

# Converting $3 \times 2D$ wire hits to 3D hits

larsoft coordination meeting

Christopher Backhouse

California Institute of Technology

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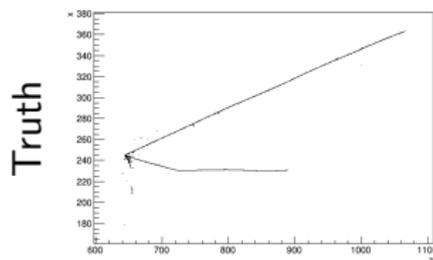
## Motivation

- ▶ Extracting reliable 3D information directly from the 2D views (“unfolding”) would be very valuable for downstream reconstruction
- ▶ We can (usually) do it by eye, believe  $3 \times$  2D reco plus view stitching can work, so the information must be there
  
- ▶ Problem is formally underdetermined ( $3N$  inputs for  $N^3$  outputs) but external physical knowledge (solution should be sparse) helps
- ▶ Nice collab mtg talk from Chao Zhang on Compressed Sensing
- ▶ Usually discuss random transfer matrix from truth to observations
- ▶ Our problem has lots of correlations (e.g. isochronous tracks)
  
- ▶ This work related to WireCell, but independent, somewhat different, and I think simpler (though I’m no WireCell expert)

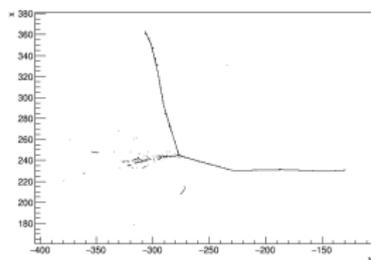
# Algorithm I

- ▶ For each collection wire hit gaushit, search for pair of induction hits close in time where the wire crossings are all close in space
- ▶ Define coincidence as within  $10\mu\text{s}$  and 5mm
- ▶ Arbitrary: tried to derive from truth, but having BackTracker troubles

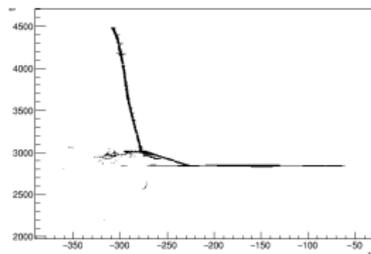
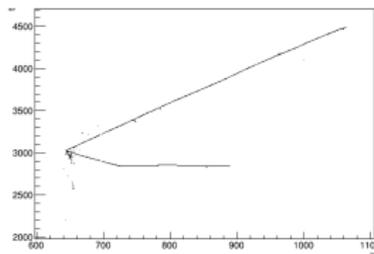
T vs Z



T vs Y



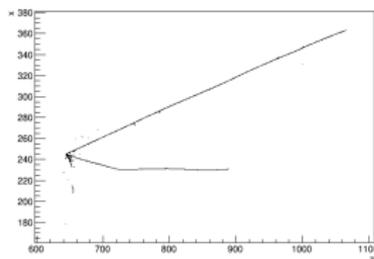
Coincidence



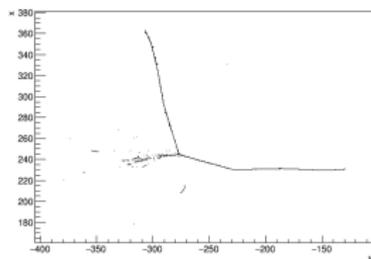
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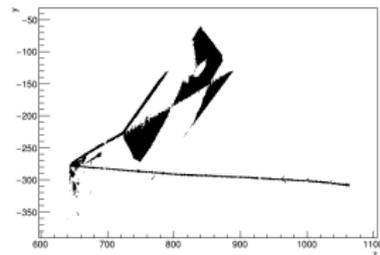
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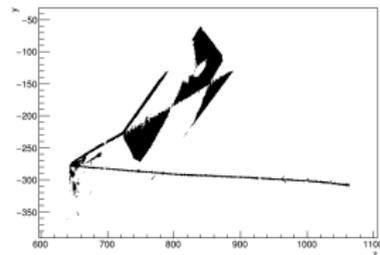
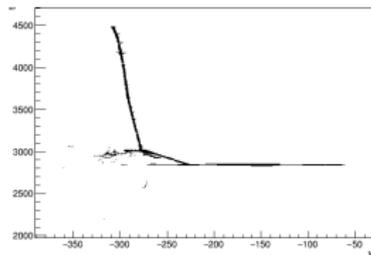
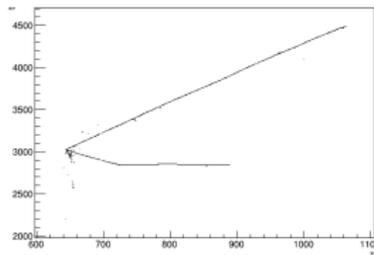


Y vs X



Truth

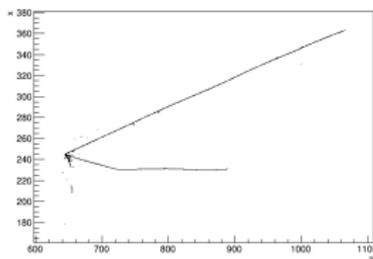
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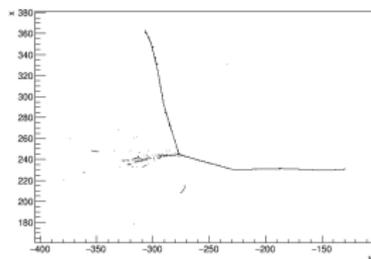
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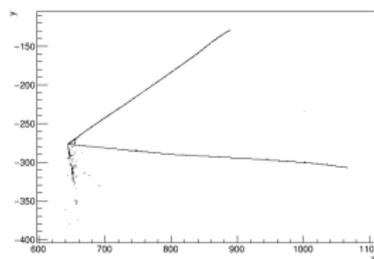
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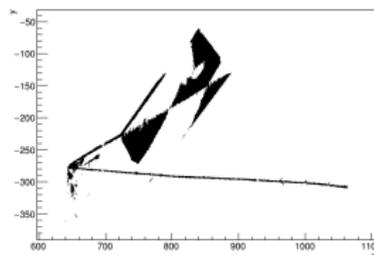
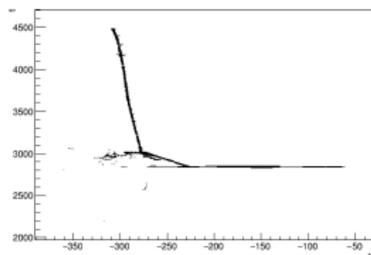
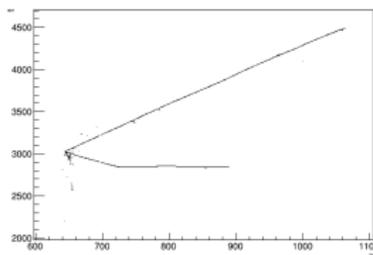


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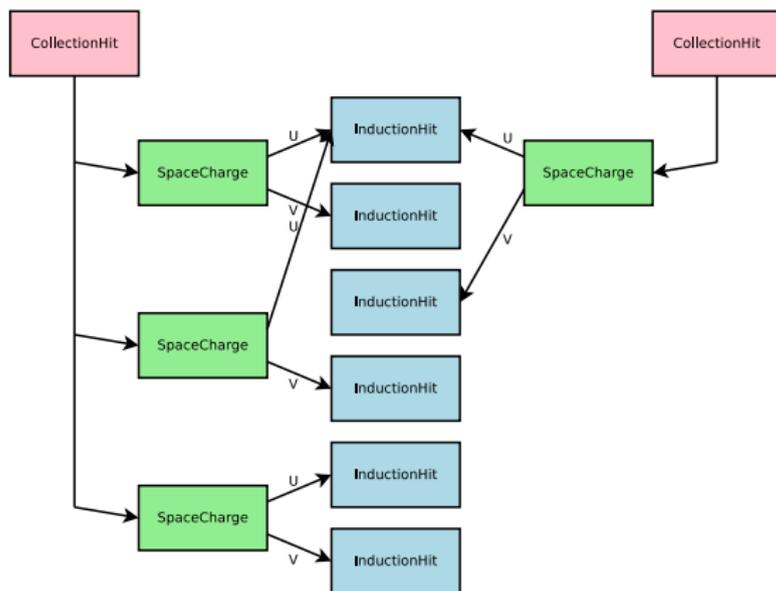
Truth

Coincidence



## Algorithm II

- ▶ Assume collection hits have the true deposition at that Z&T
- ▶ Problem is to distribute that charge over the coincident induction wires to minimize errors on induction wire predictions



## Algorithm II

$$\text{minimize } \chi^2 = \sum_i^{\text{iwires}} \left( q_i - \sum_j^{\text{sites}} T_{ij} p_j \right)^2$$

$q_i$  = charge observed in the  $i^{\text{th}}$  induction hit

$T_{ij} = 0$  or  $1$ , does site  $j$  contribute to hit  $i$ ?

$p_j$  = charge predicted at site  $j$

$$\text{subject to } p_j > 0 \text{ for all } j \text{ and } \sum_j^{\text{sites}} U_{jk} p_j = Q_k \text{ for all } k$$

$U_{jk} = 0$  or  $1$  – does site  $j$  contribute to collection wire  $k$ ?

$Q_k$  = total charge in the  $k^{\text{th}}$  collection hit to be distributed

## Algorithm II

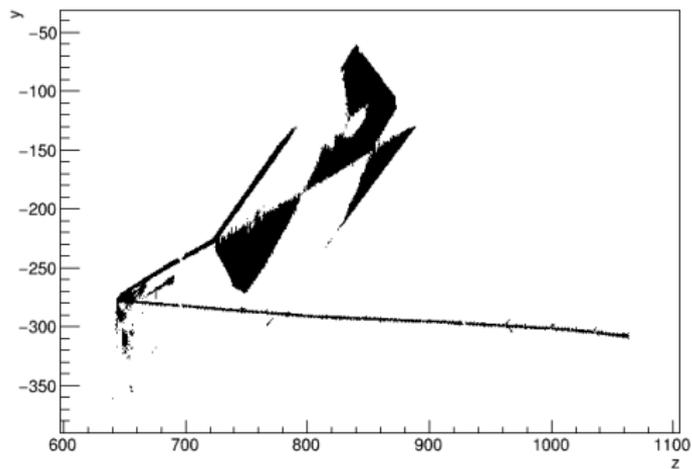
$$\text{minimize } \chi^2 = \sum_i^{\text{iwires}} \left( q_i - \sum_j^{\text{sites}} T_{ij} p_j \right)^2$$

subject to  $p_j > 0$  for all  $j$  and  $\sum_j^{\text{sites}} U_{jk} p_j = Q_k$  for all  $k$

- ▶ Convex problem – unique minimum
- ▶ Fancy techniques exist, but implement simple coordinate-descent
- ▶ Seed with every collection hit shared equally over its sites
- ▶ For each pair of sites sharing a collection wire
- ▶ Solve  $p_\alpha \rightarrow p_\alpha + x$ ,  $p_\beta \rightarrow p_\beta - x$  analytically, iterate
  
- ▶ No hit is allowed negative, total charge fixed at  $\sum_k Q_k$
- ▶ Effectively implementing L1 norm regularization

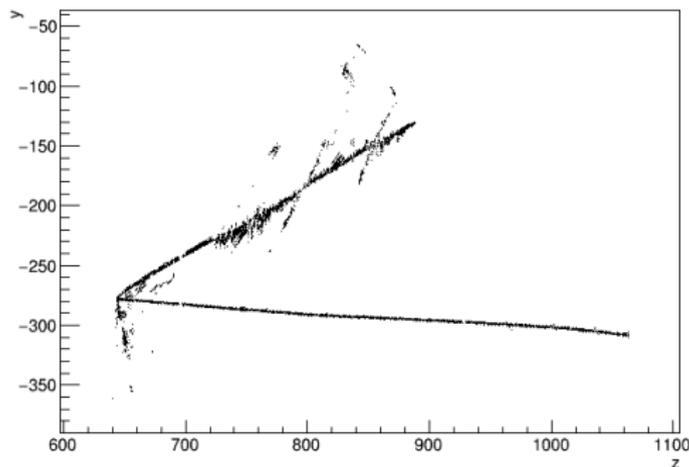
## Algorithm II

All coincidences



## Algorithm II

### Minimum



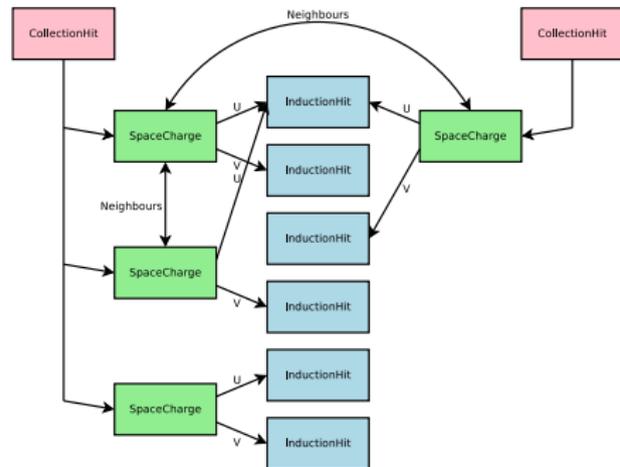
- ▶ Resolves large degenerate regions correctly
- ▶ Knows solution should be sparse, doesn't know about connectivity

## Algorithm III

- ▶ Remaining freedom while maintaining a convex problem, add terms

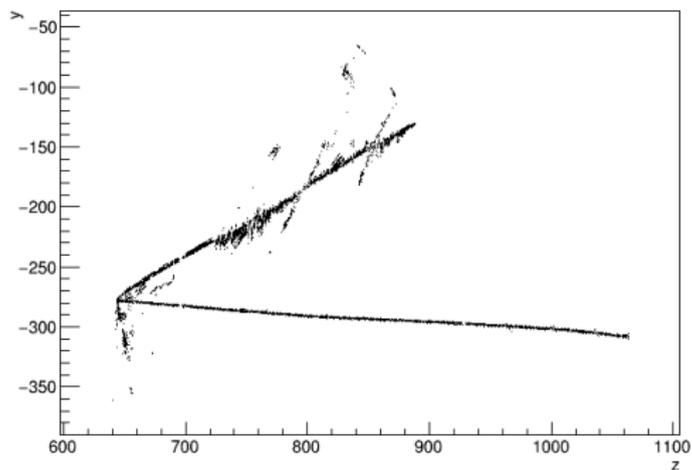
$$\chi^2 \rightarrow \chi^2 - \sum_{ij}^{\text{sites}} V_{ij} p_i p_j$$

- ▶ A term like  $\sum_i p_i$  has no effect due to overall charge conservation
  - ▶  $V_{ij}$  terms amount to L2 regularization – prefer one large hit to two small ones
- 
- ▶ Pick  $V_{ij} = 0.15e^{-r_{ij}/2\text{cm}}$  arbitrarily
  - ▶ Rewards proximity of charges
  - ▶ Overall strength set by trial and error



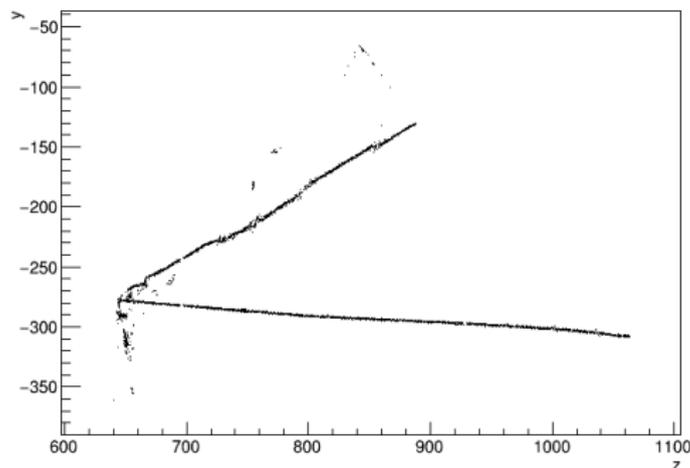
# Algorithm III

Unregularized



## Algorithm III

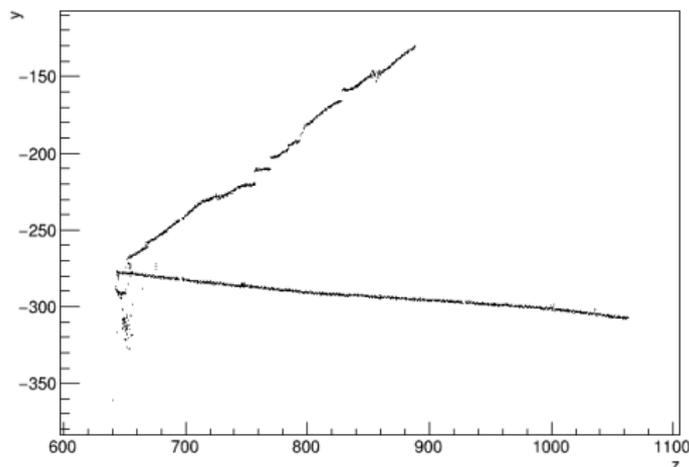
### Regularized



- ▶ Regularization removes almost all the stray hits
- ▶ Distortions in track as penalty weighted more than observations

## Algorithm III

### Over-regularized



- ▶ Regularization removes almost all the stray hits
- ▶ Distortions in track as penalty weighted more than observations
- ▶ Extremes when you increase coefficient to 1 – balancing act

## Performance

- ▶ Ran every event in `prodgenie_nu_dune10kt_1x2x6_63_20160811T171439_merged.root` from dataset `prodgenie_nu_dune10kt_1x2x6_mcc7.0`
- ▶  $\mathcal{O}(10\text{s})$ /event – many are fast, some showery are slow
- ▶  $\sim 1.5\text{GB}$  memory usage – reported higher for MicroBooNE
- ▶ Full set of evds in appendix

```
83 Solver.h
277 Solver.cxx      # Core algorithm
43 QuadExpr.h
76 QuadExpr.cxx   # Keep track of quadratic expressions
679 Reco3D_module.cc # Wire geometry, art interface
```

- ▶ Many reconstruct unambiguously even without these techniques
- ▶ Some look like my example event here
- ▶ A few have errors (part of a track missing absorbed into a shower)

## Status & Future work

- ▶ Available in 1arrec0 branch feature/bckhouse\_reco3d
- ▶ Some nice help from Tingjun on various clean ups
  
- ▶ Come up with a better name
  
- ▶ Try different regularization expressions
  - ▶ Attempting to derive from  $\partial\chi^2/\partial x = 0$  for truth
  
- ▶ ~~Proper handling of  $t_0$  / multiple TPCs (straightforward)~~
  
- ▶ Output formatted for WireCell's Bee event display (looks simple)
  
- ▶ Explore “top-down” reco algorithms (e.g. NOvA's FuzzyK prongs)
  
- ▶ Handling of dead wires / planes

## 3D animation (requires Adobe Acrobat)

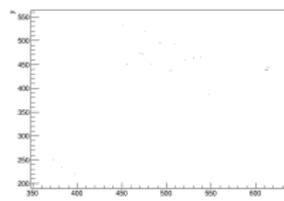
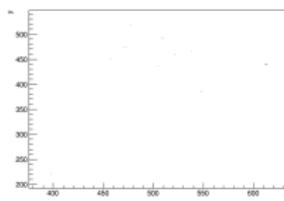
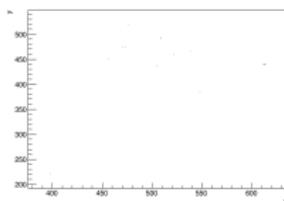
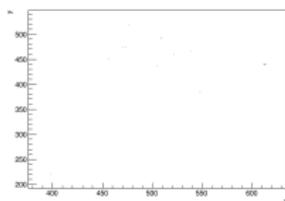
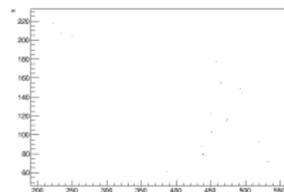
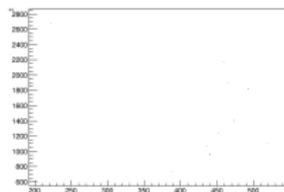
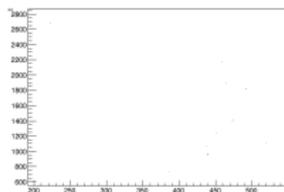
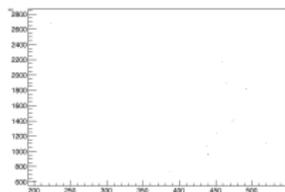
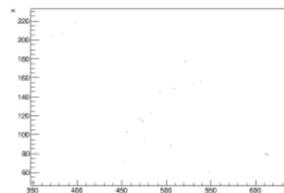
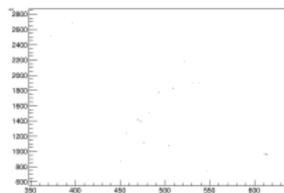
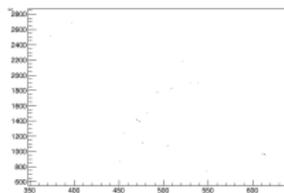
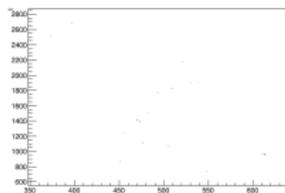
# Appendix

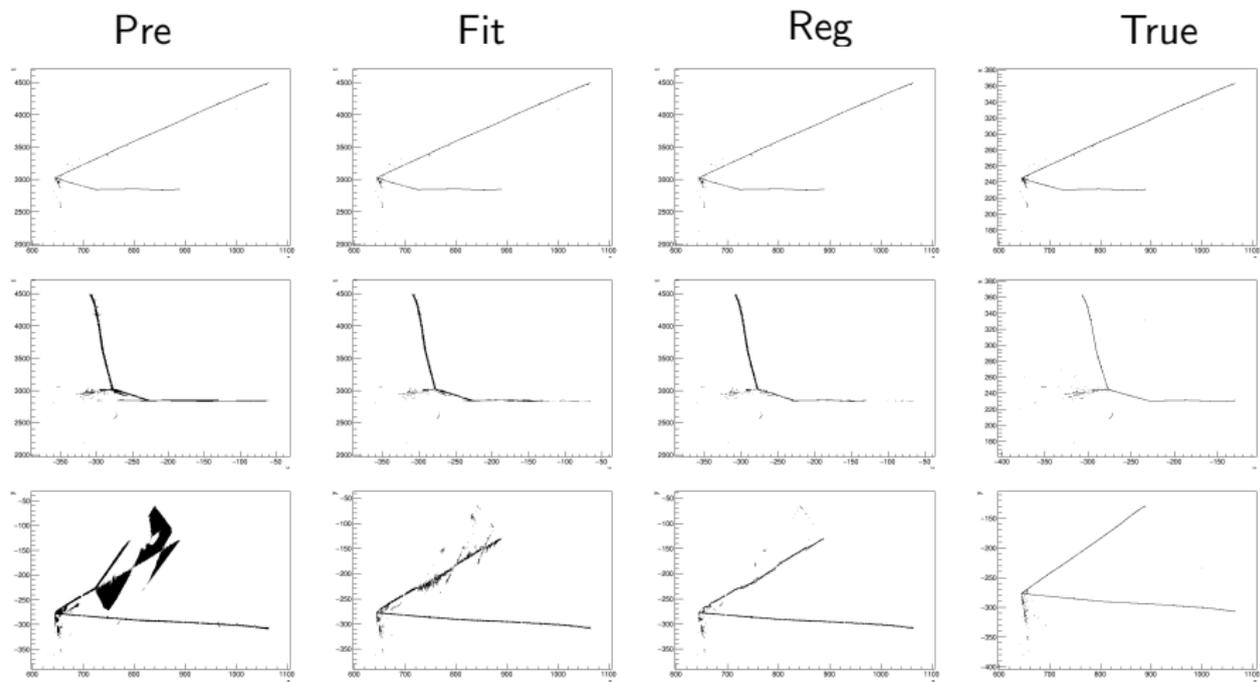
Pre

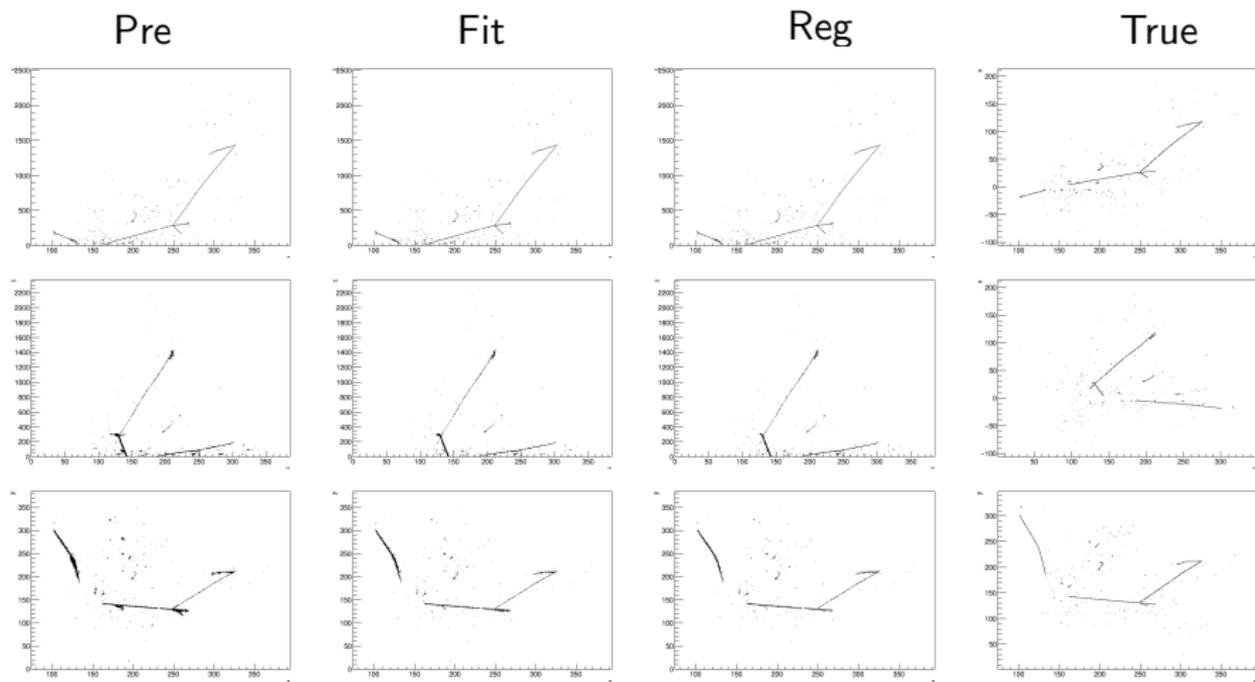
Fit

Reg

True





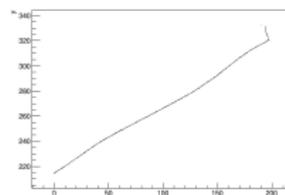
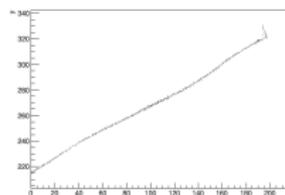
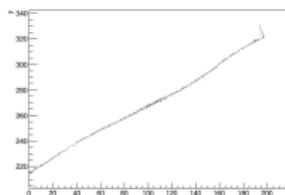
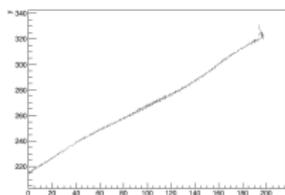
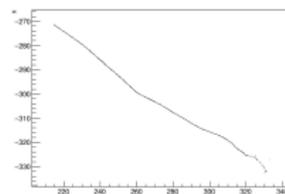
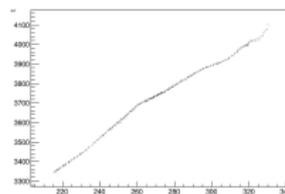
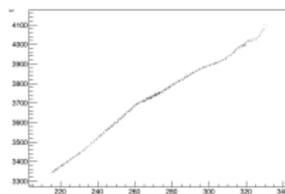
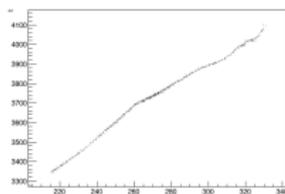
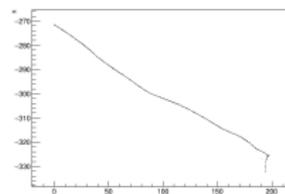
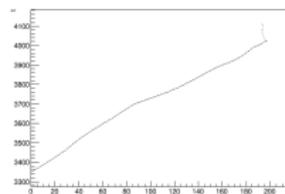
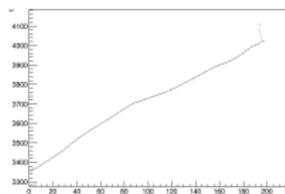
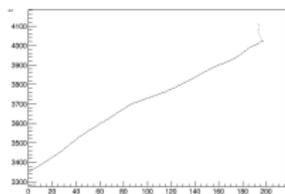


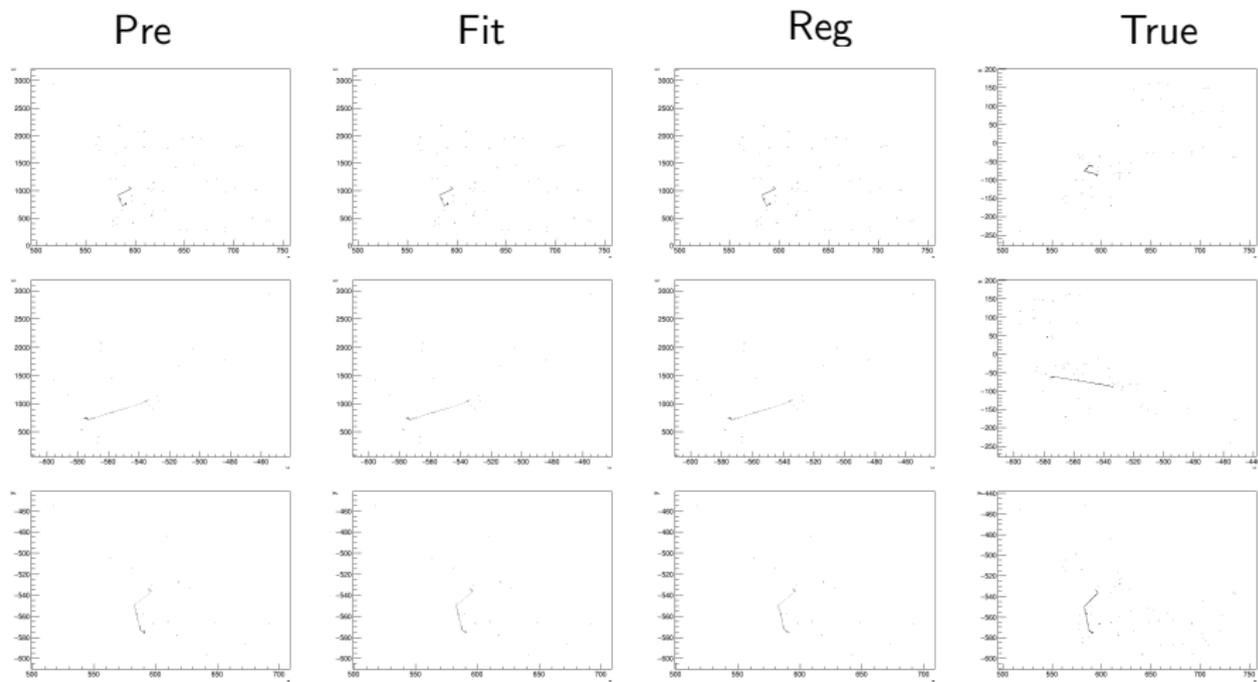
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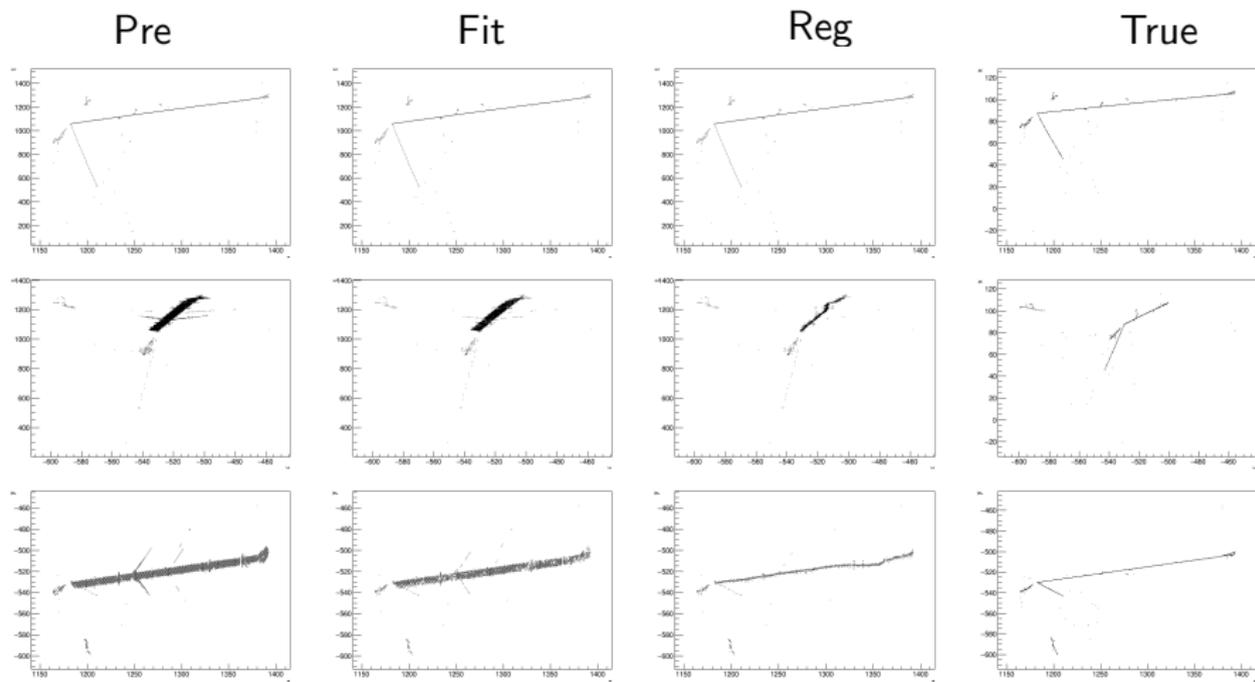
Fit

Reg

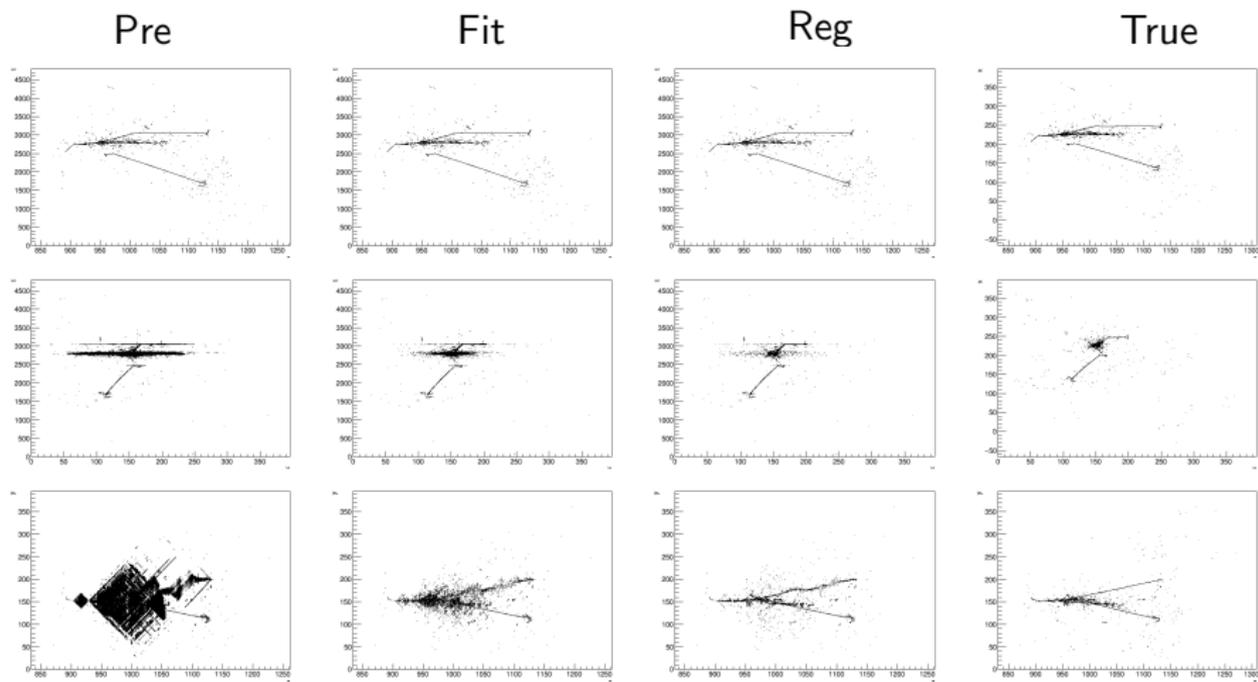
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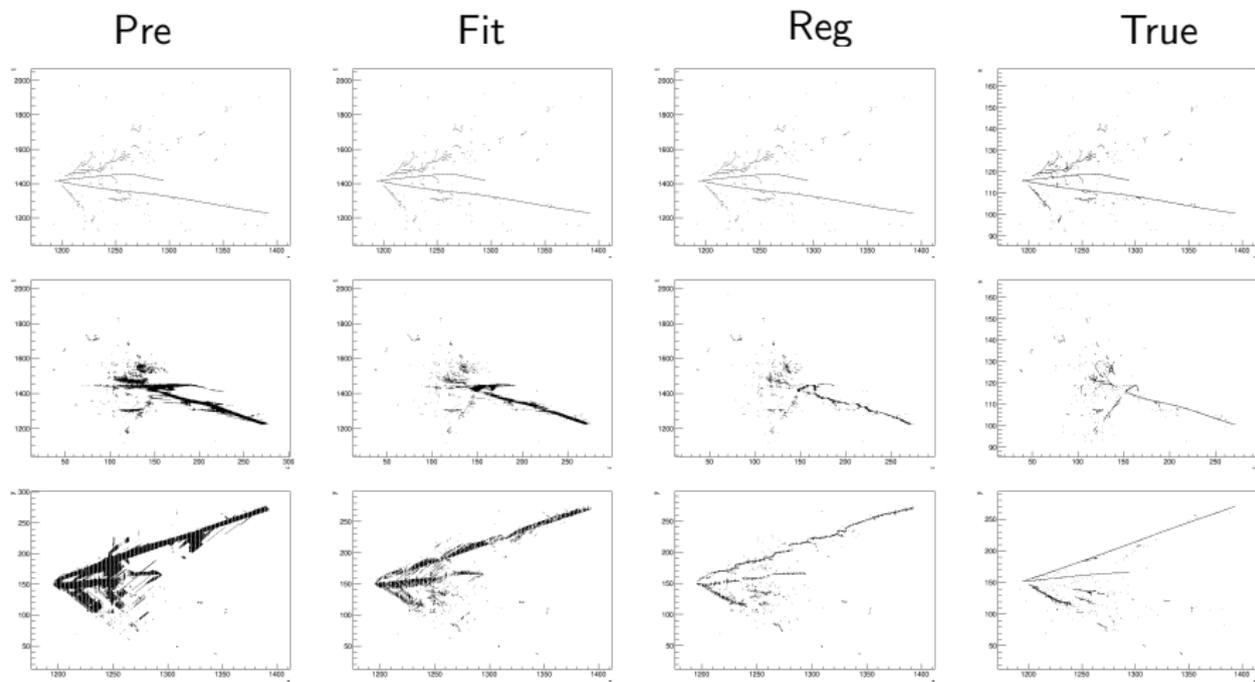






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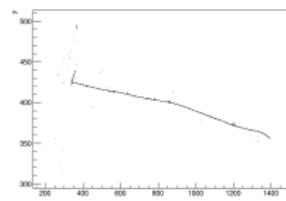
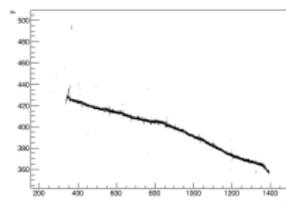
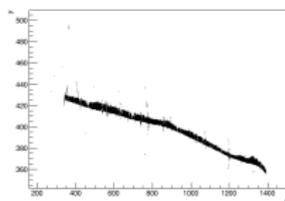
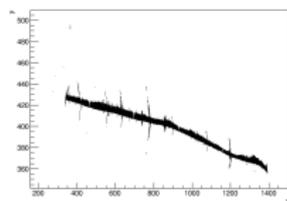
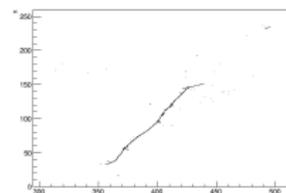
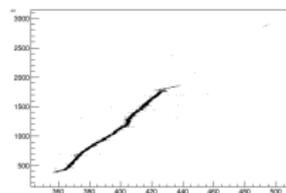
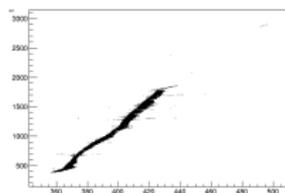
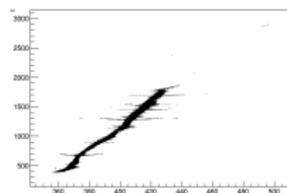
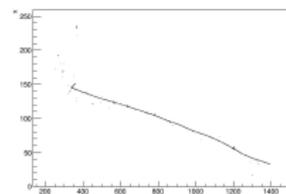
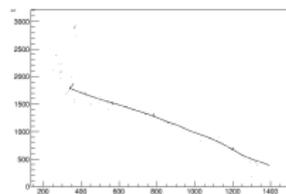
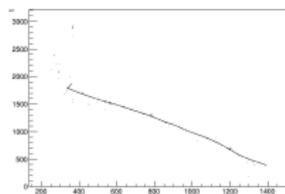
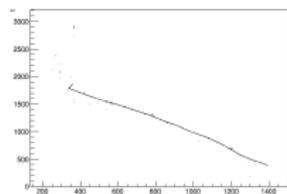


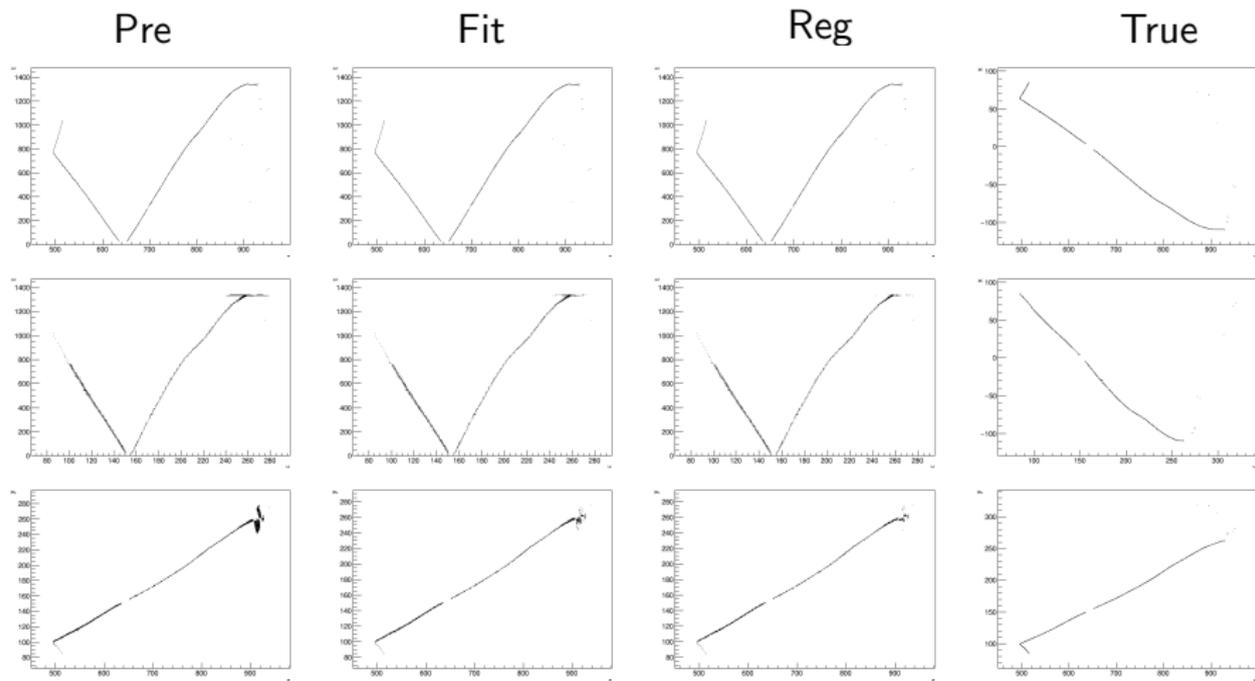
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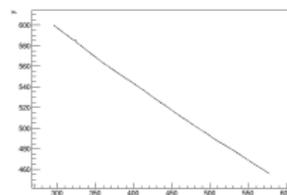
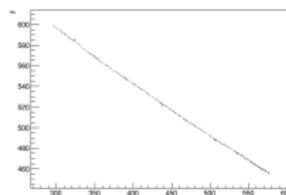
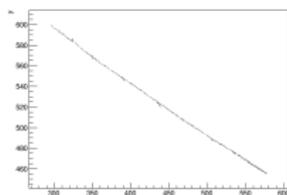
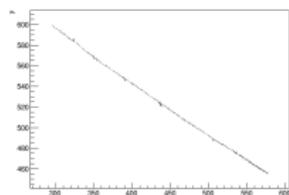
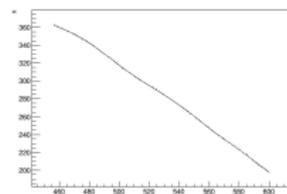
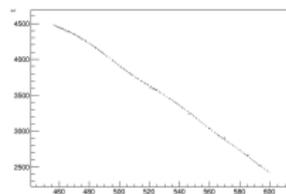
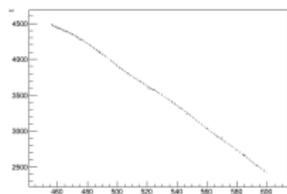
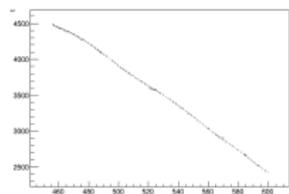
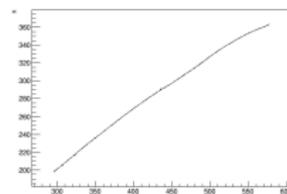
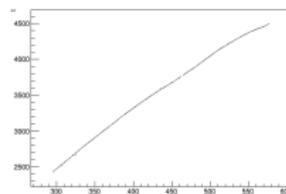
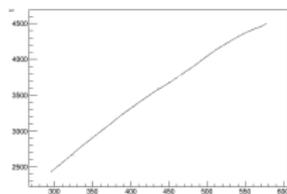
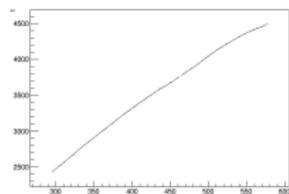


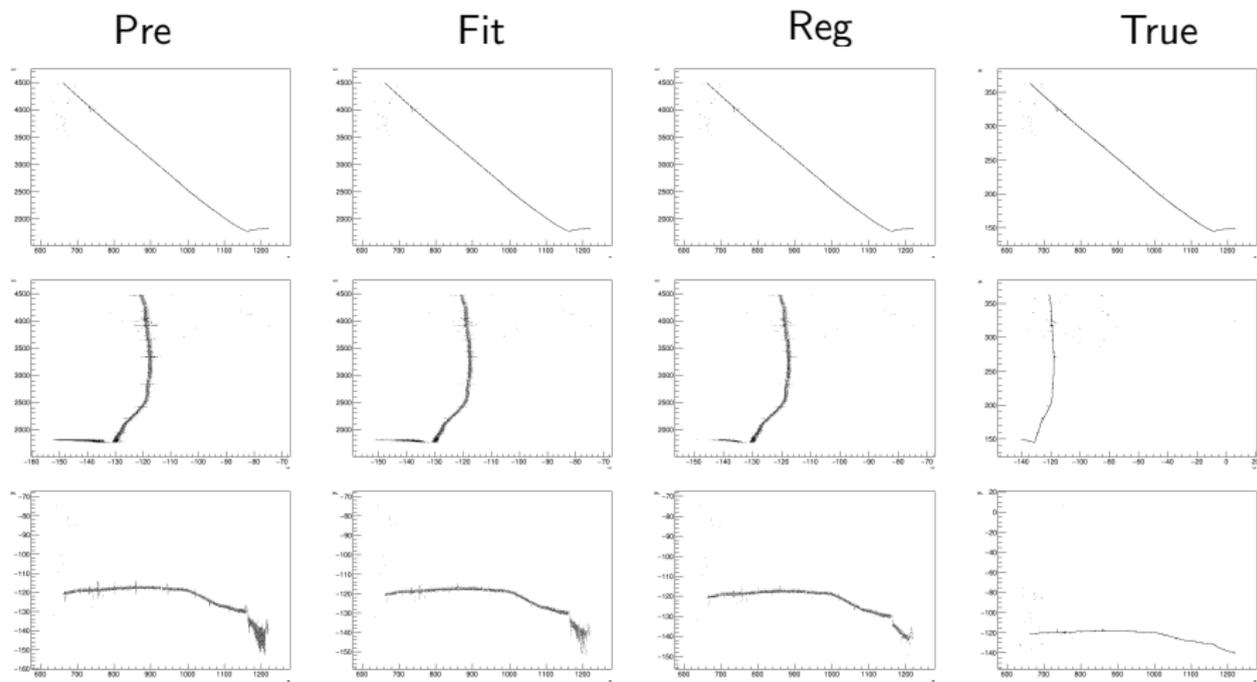
Pre

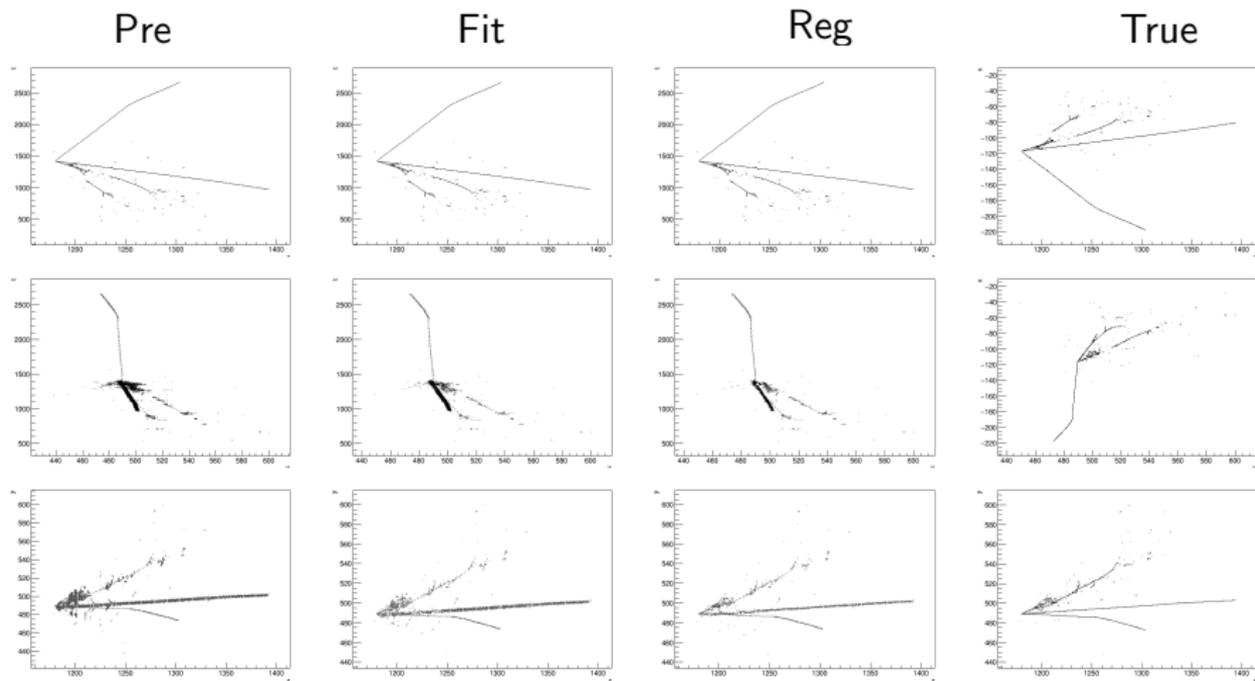
Fit

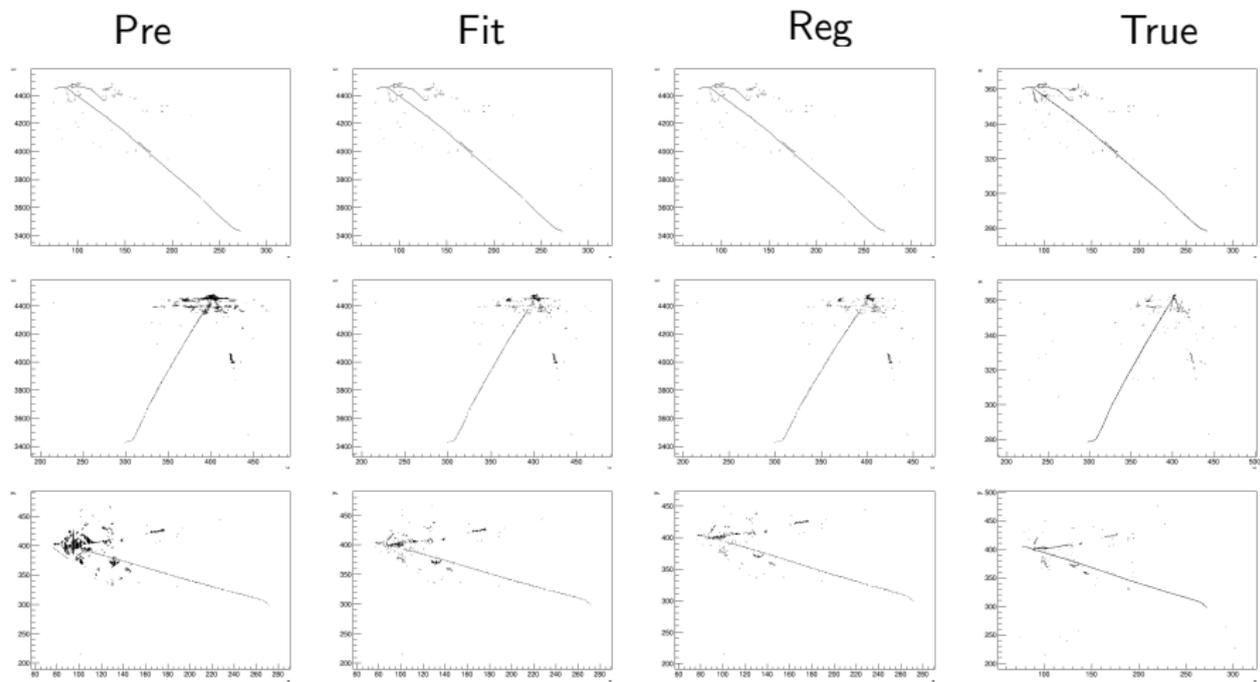
Reg

True







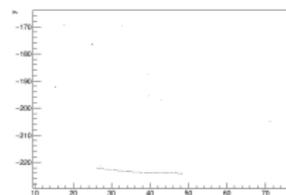
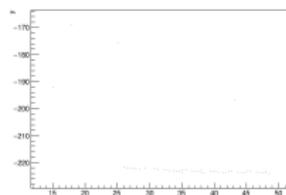
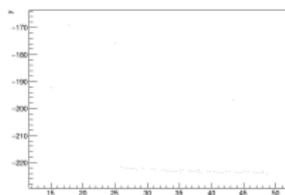
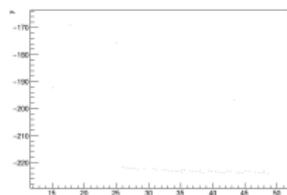
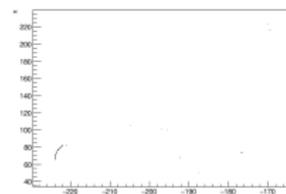
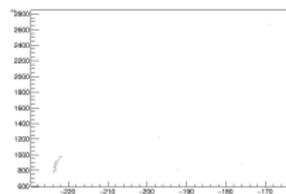
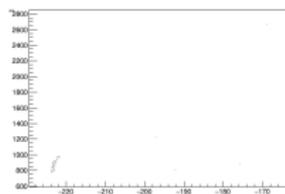
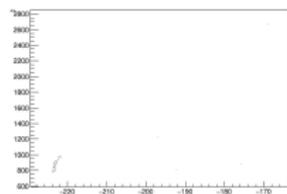
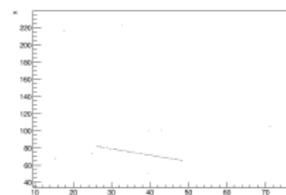
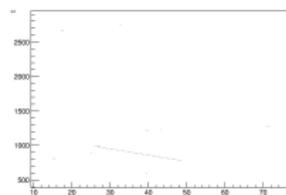
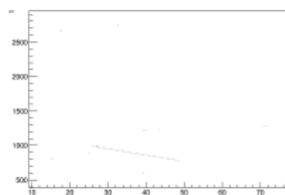
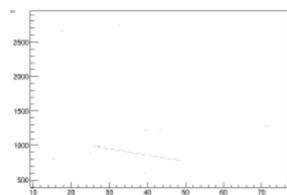


Pre

Fit

Reg

True



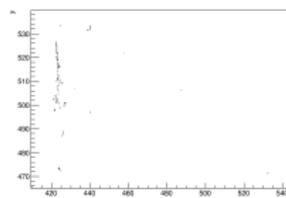
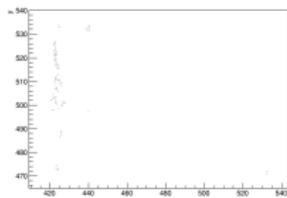
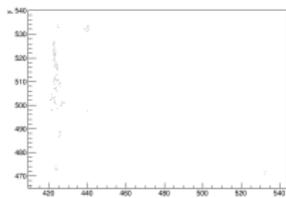
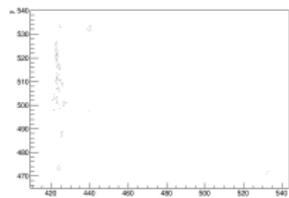
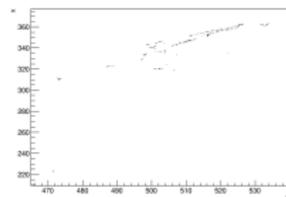
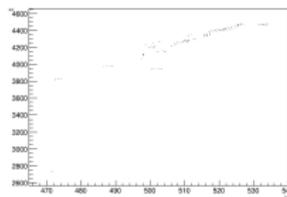
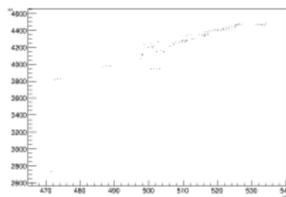
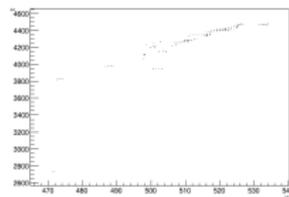
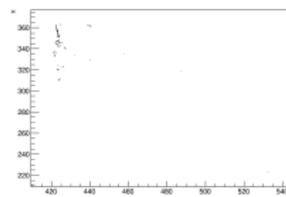
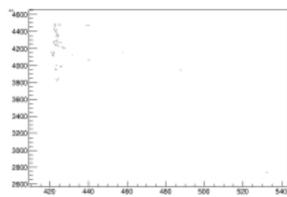
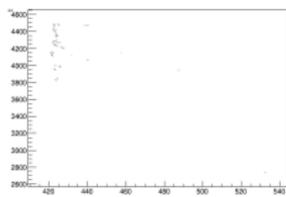
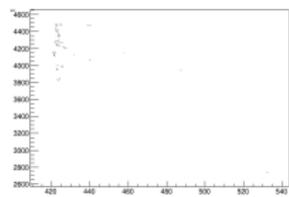
2317

Pre

Fit

Reg

True

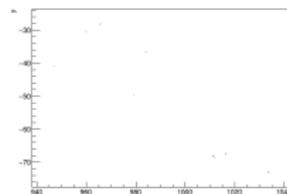
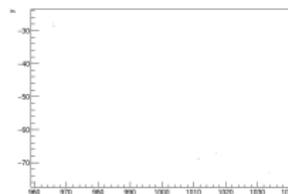
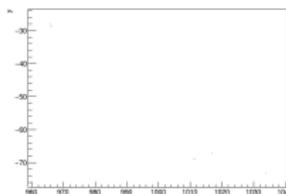
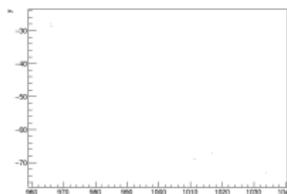
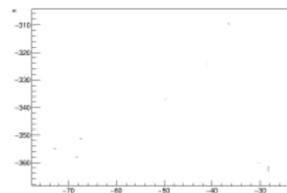
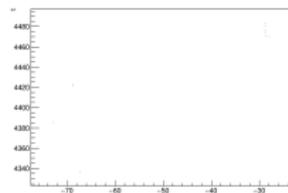
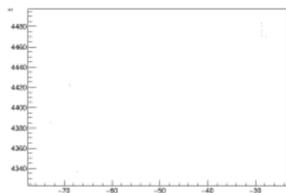
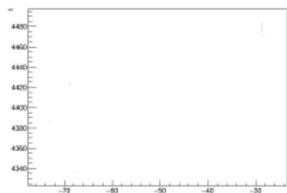
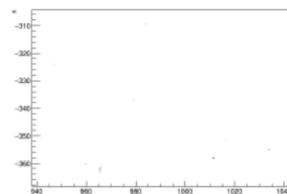
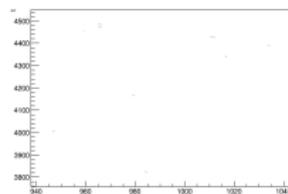
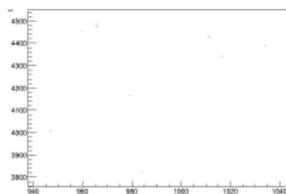
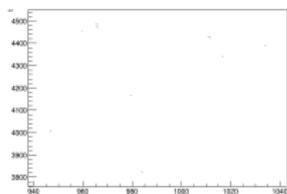


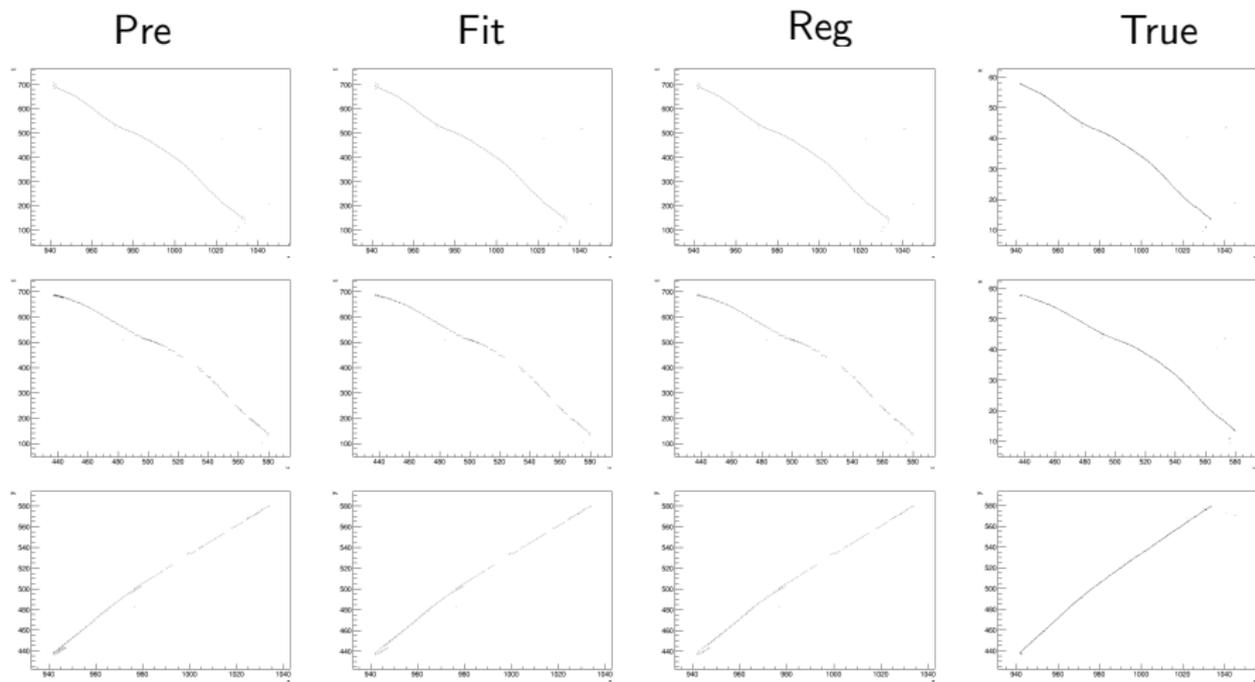
Pre

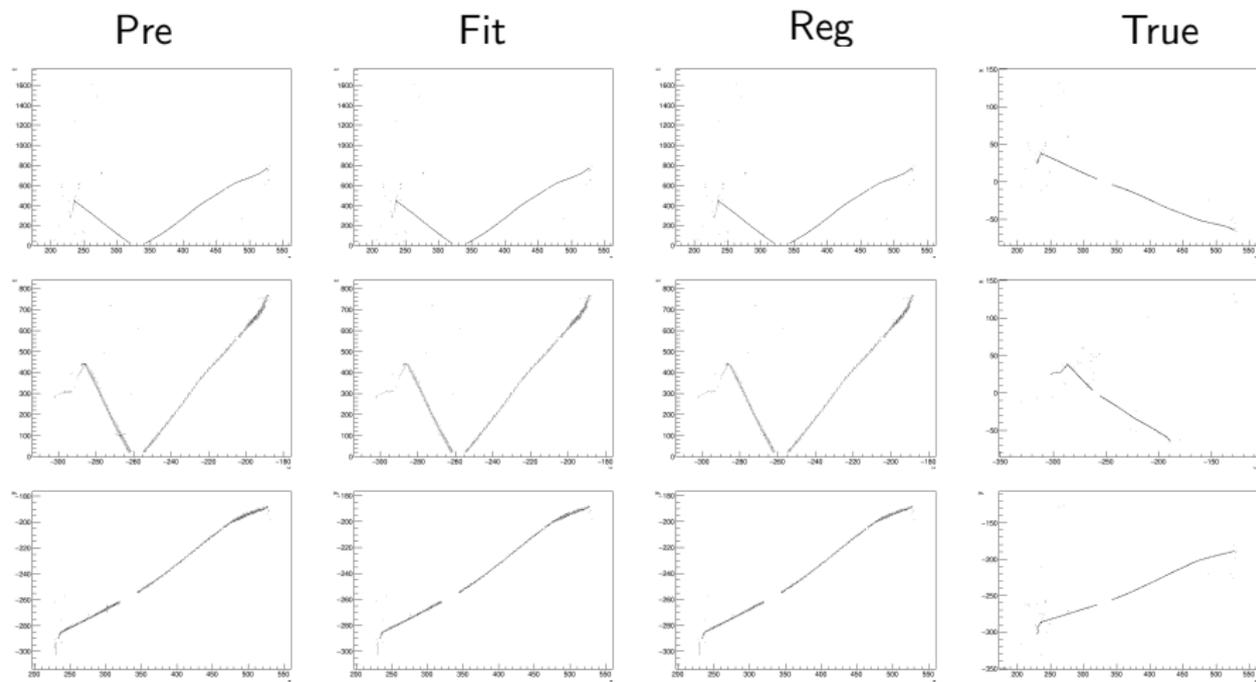
Fit

Reg

True





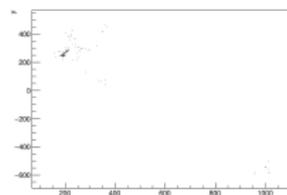
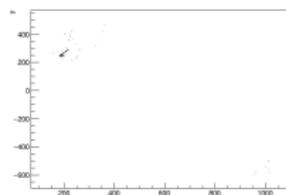
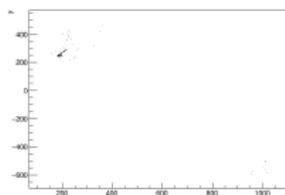
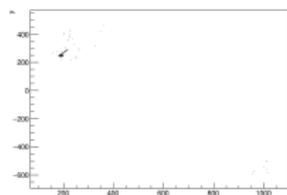
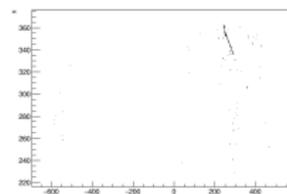
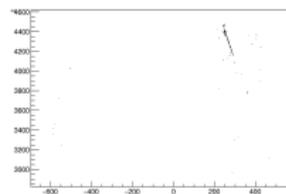
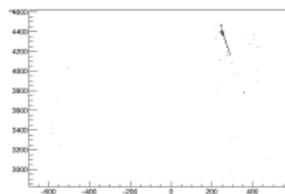
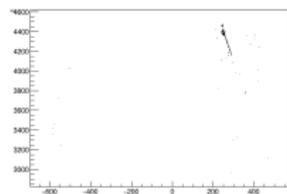
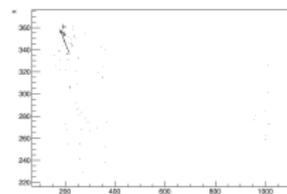
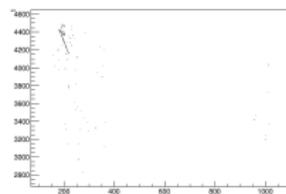
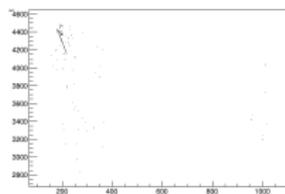
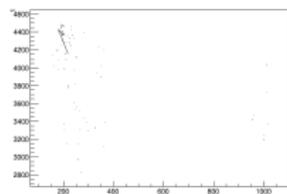


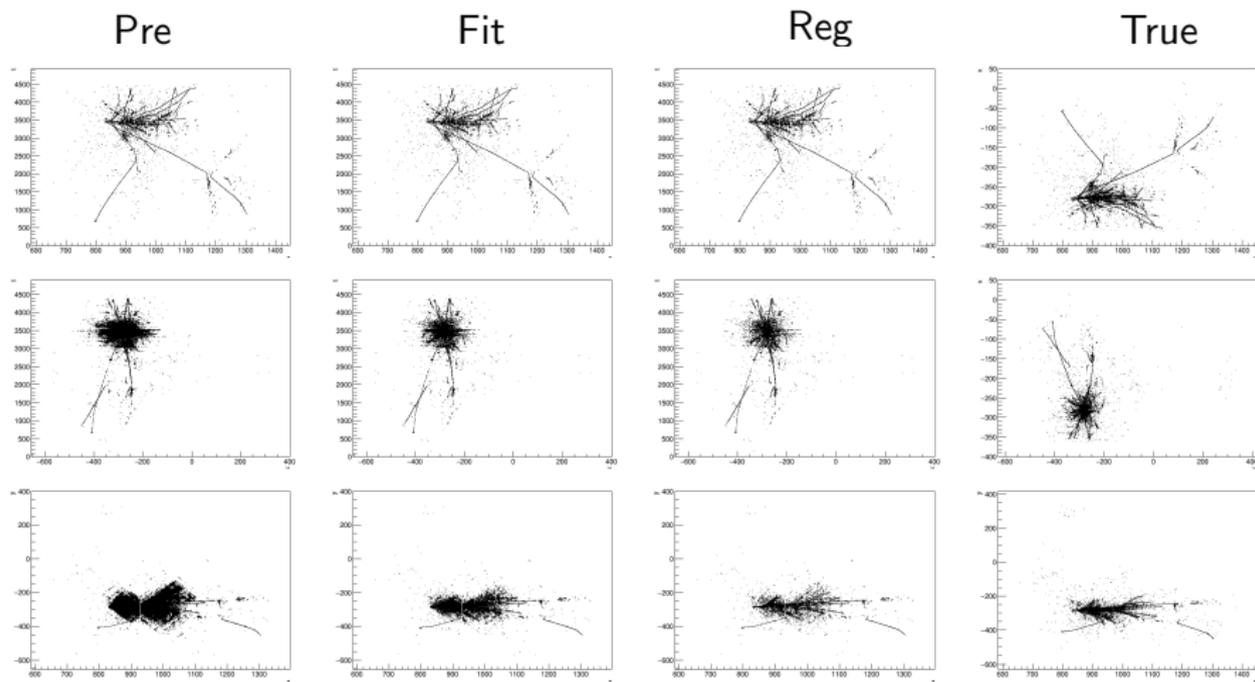
Pre

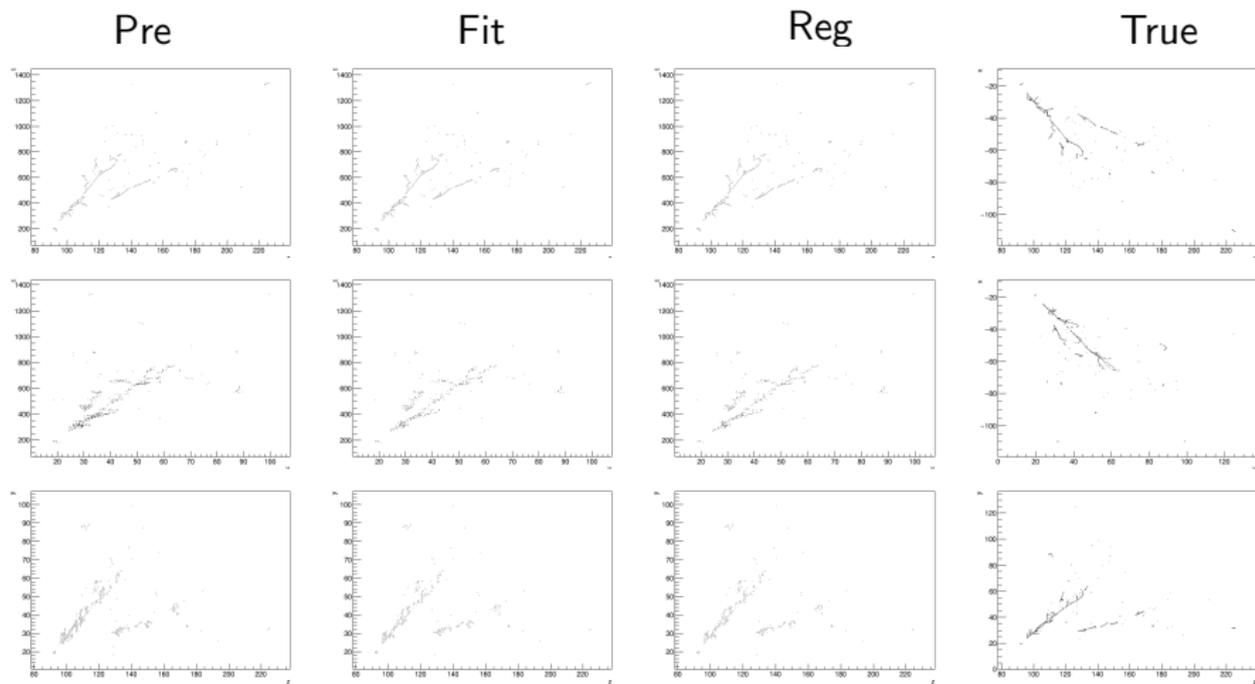
Fit

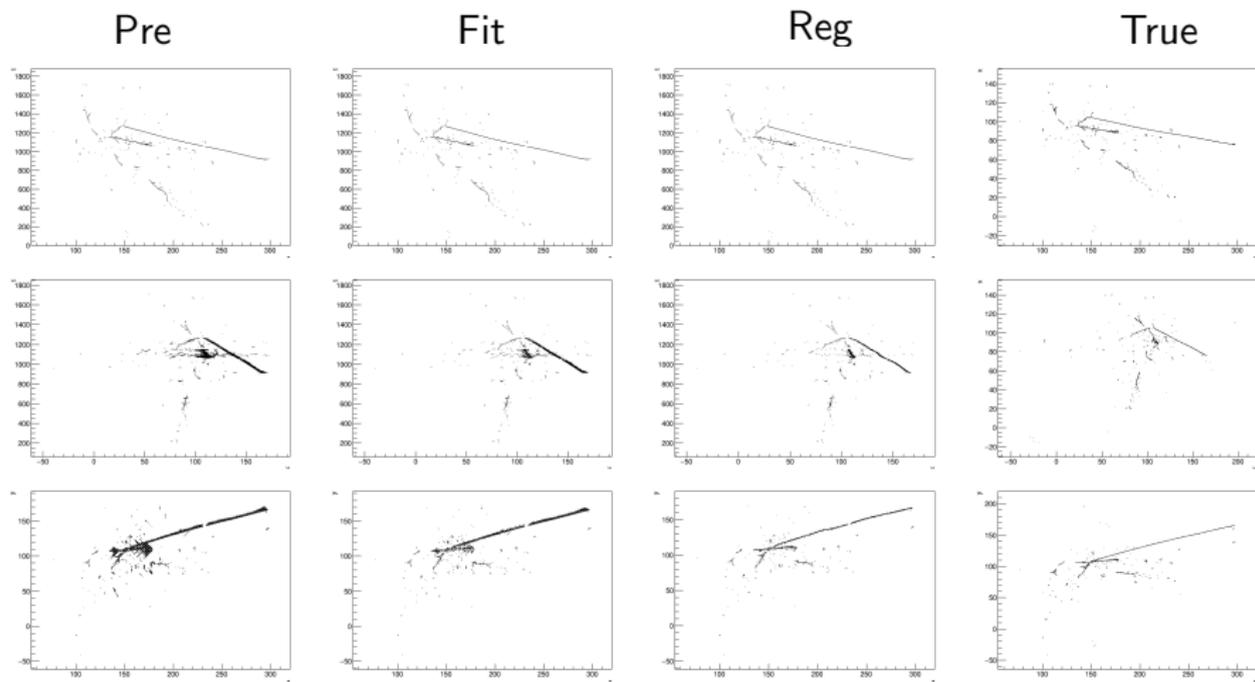
Reg

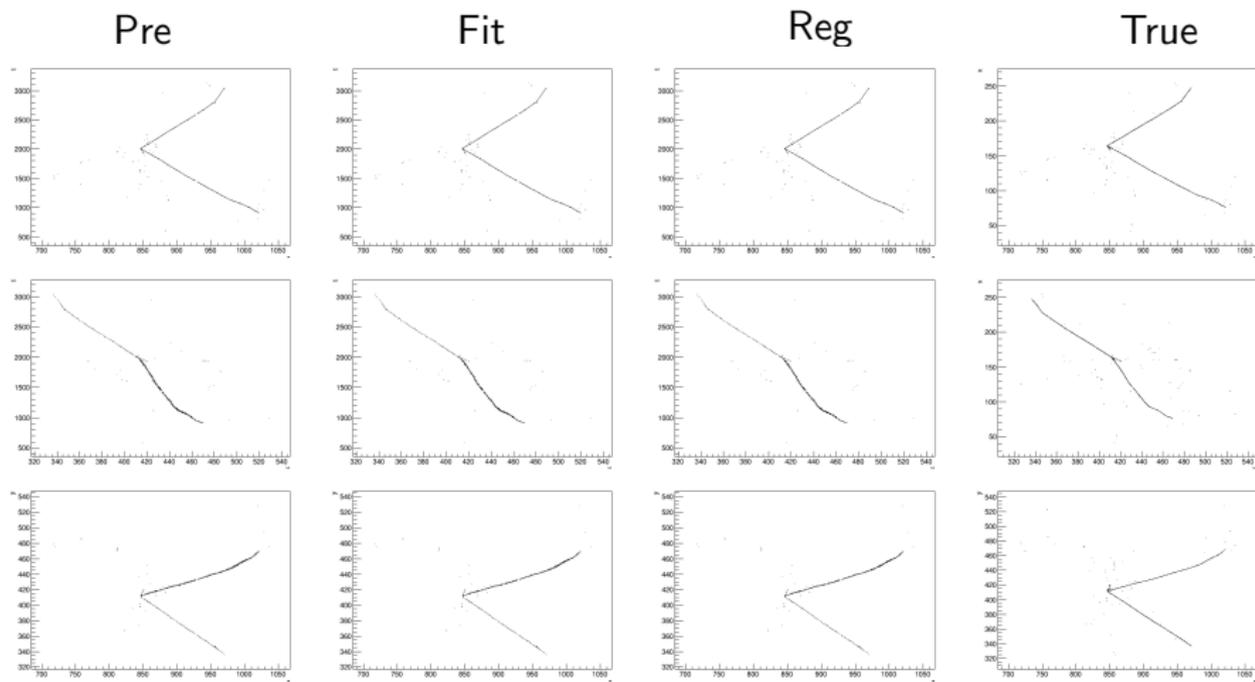
True









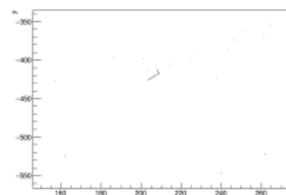
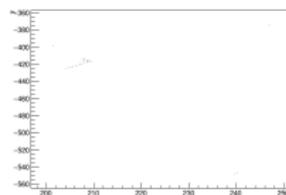
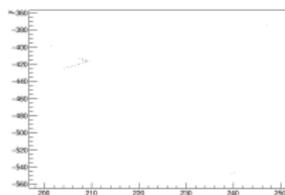
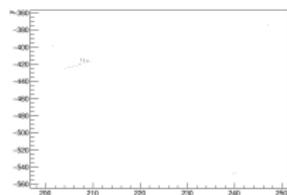
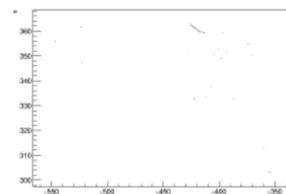
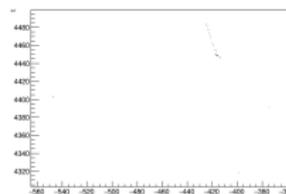
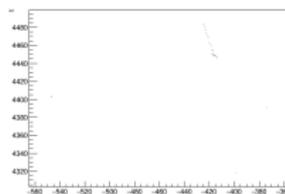
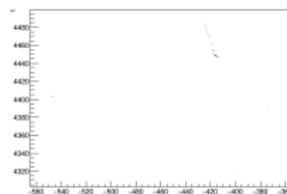
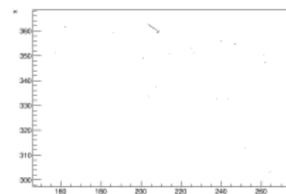
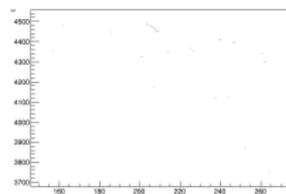
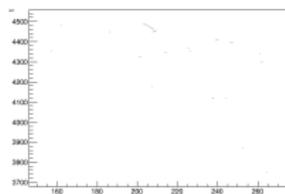
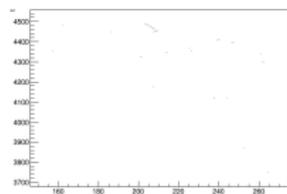


Pre

Fit

Reg

True

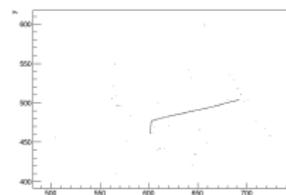
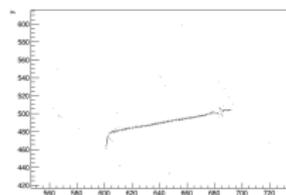
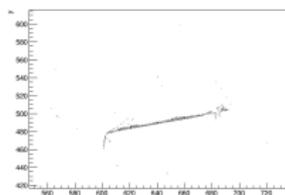
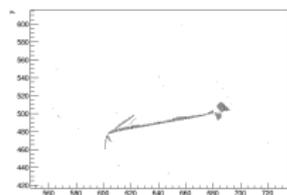
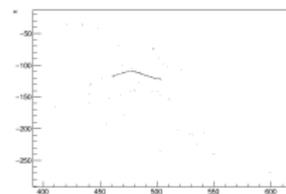
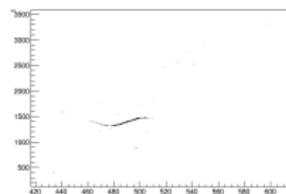
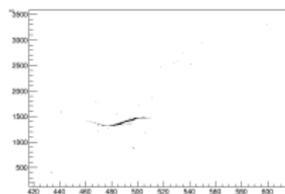
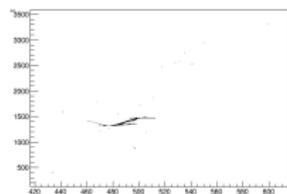
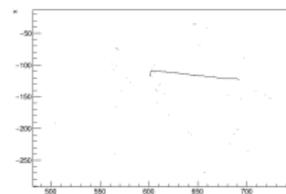
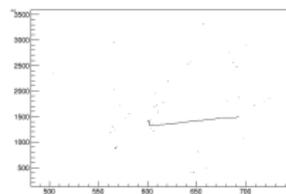
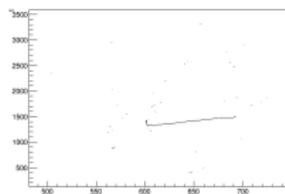
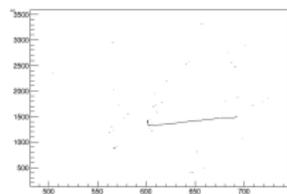


Pre

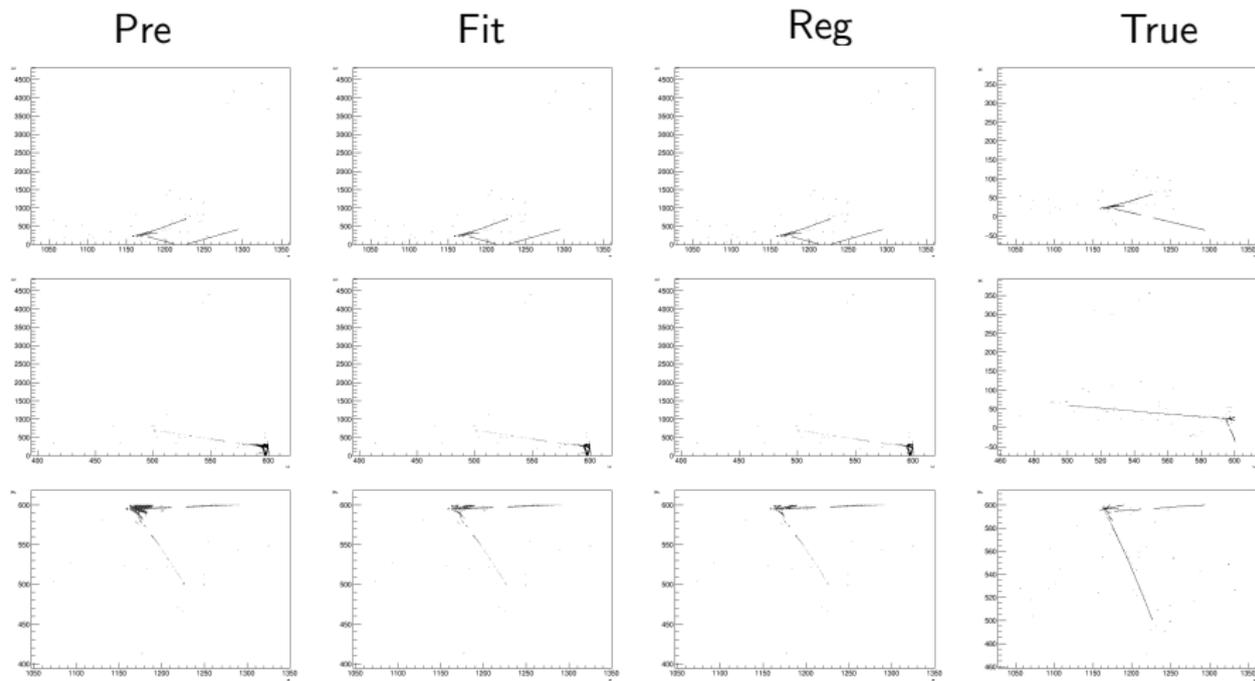
Fit

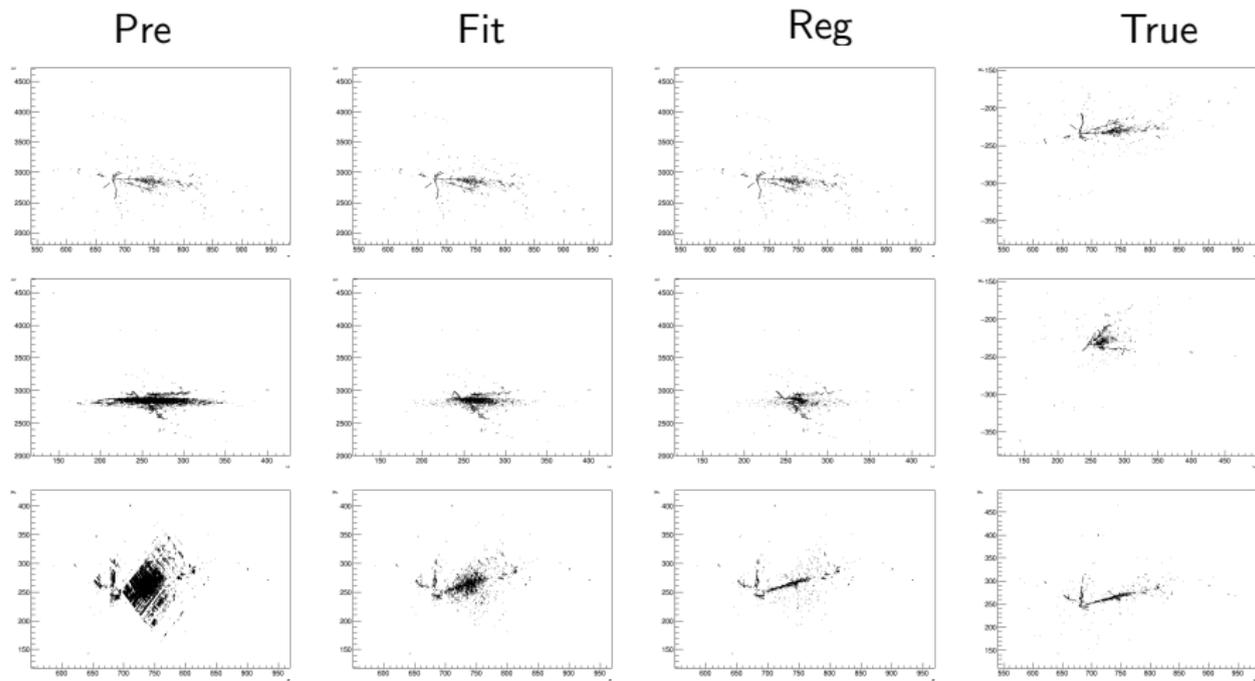
Reg

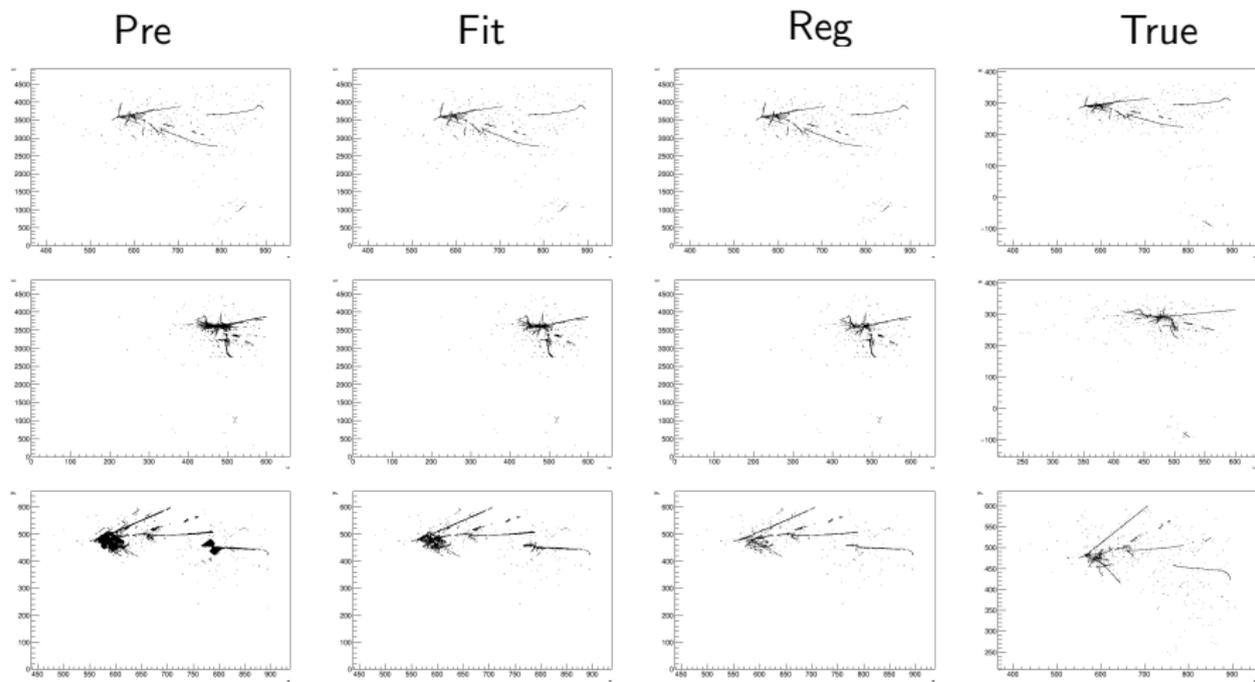
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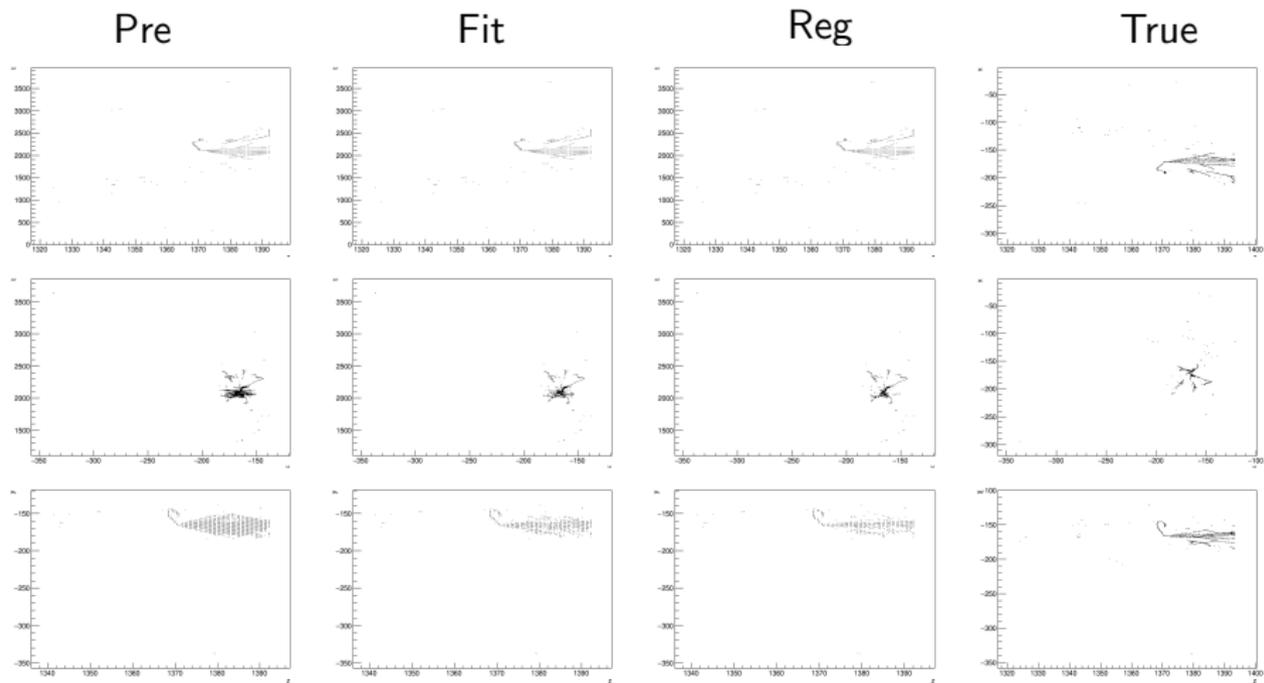


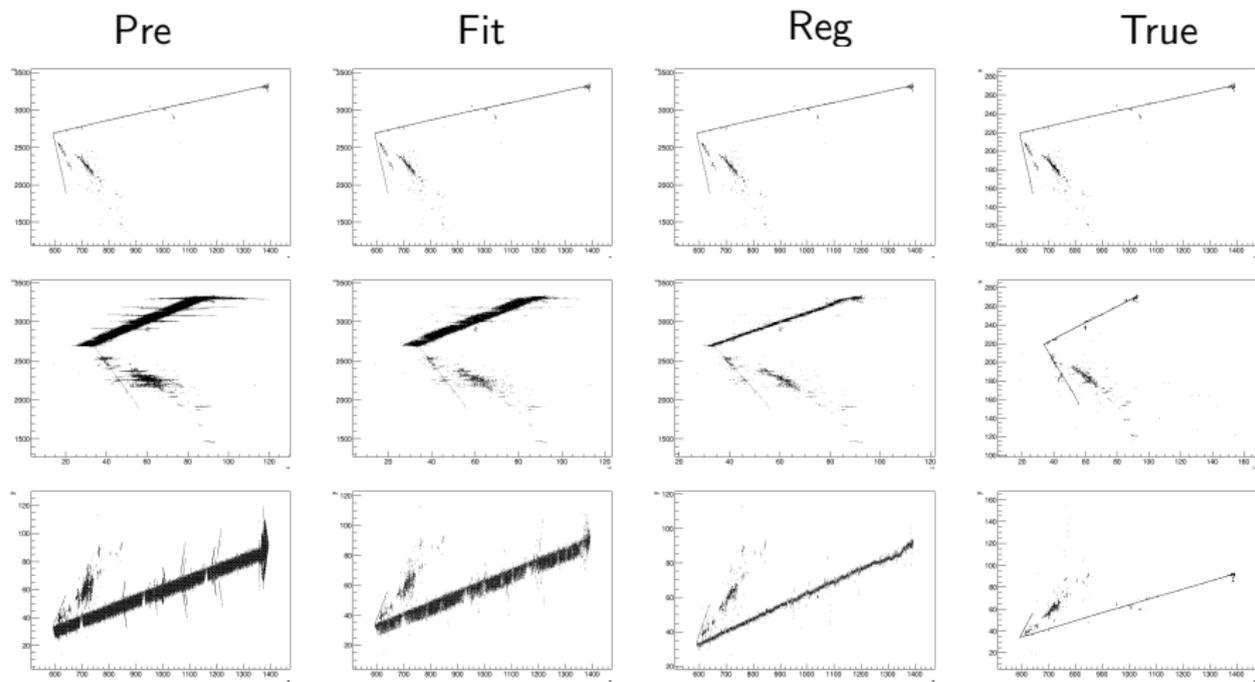
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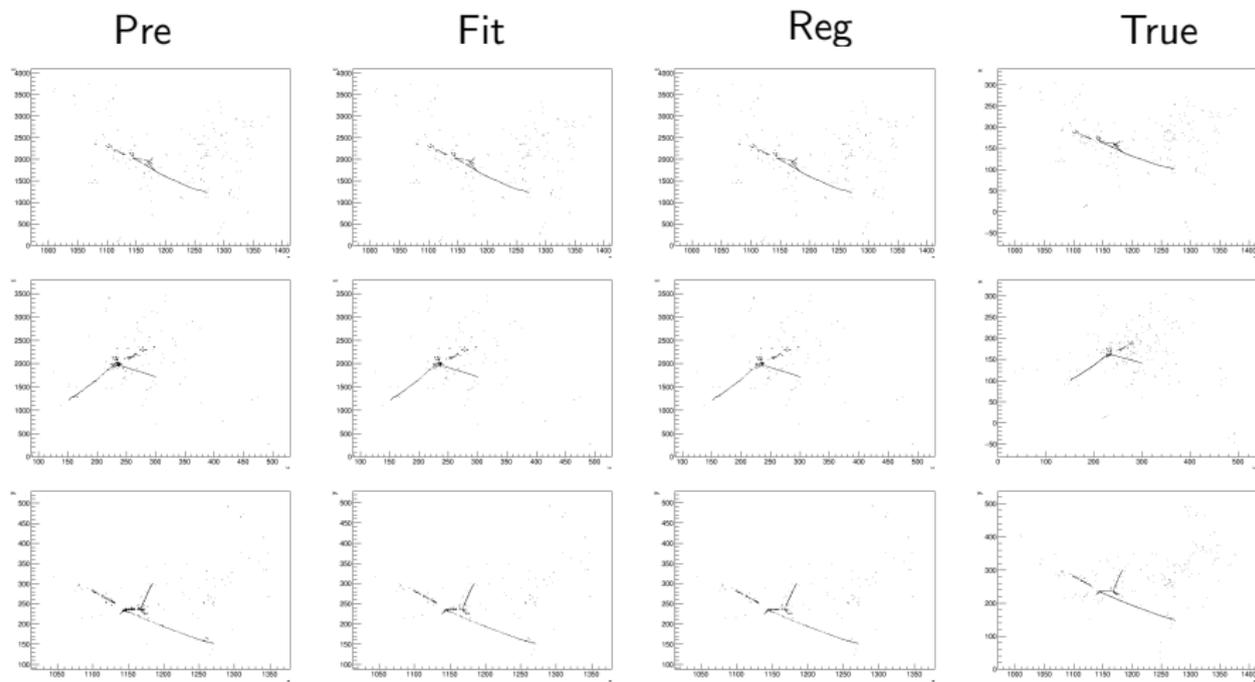




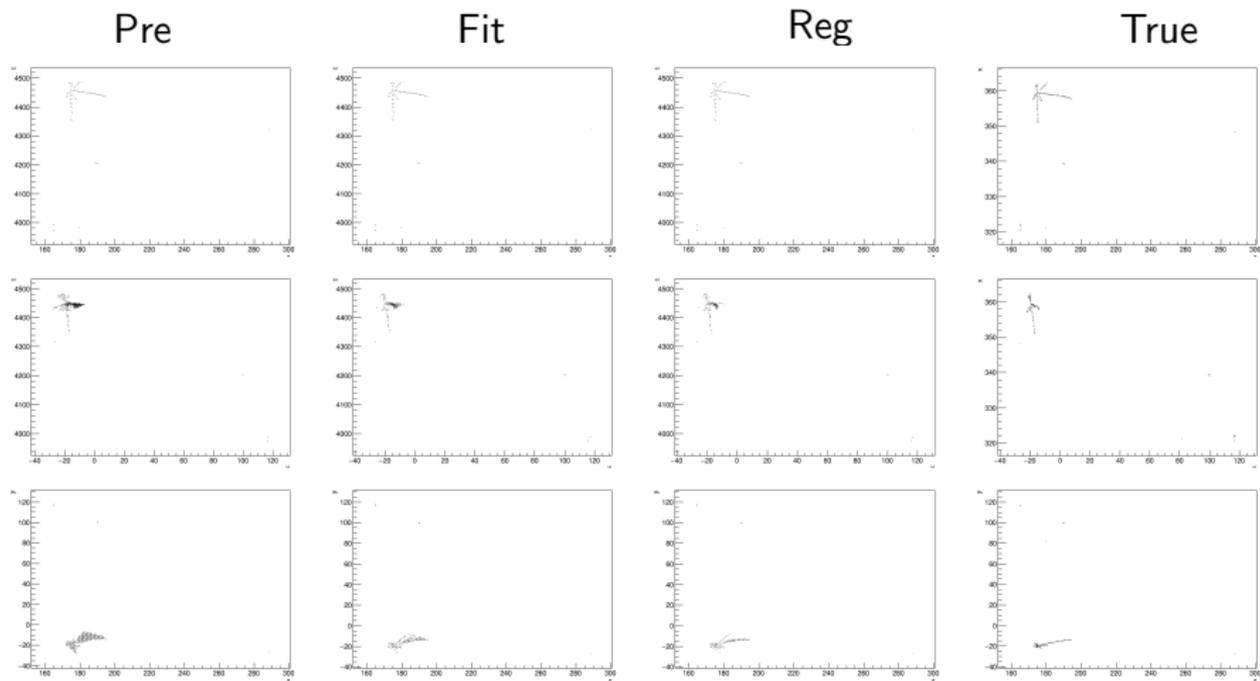


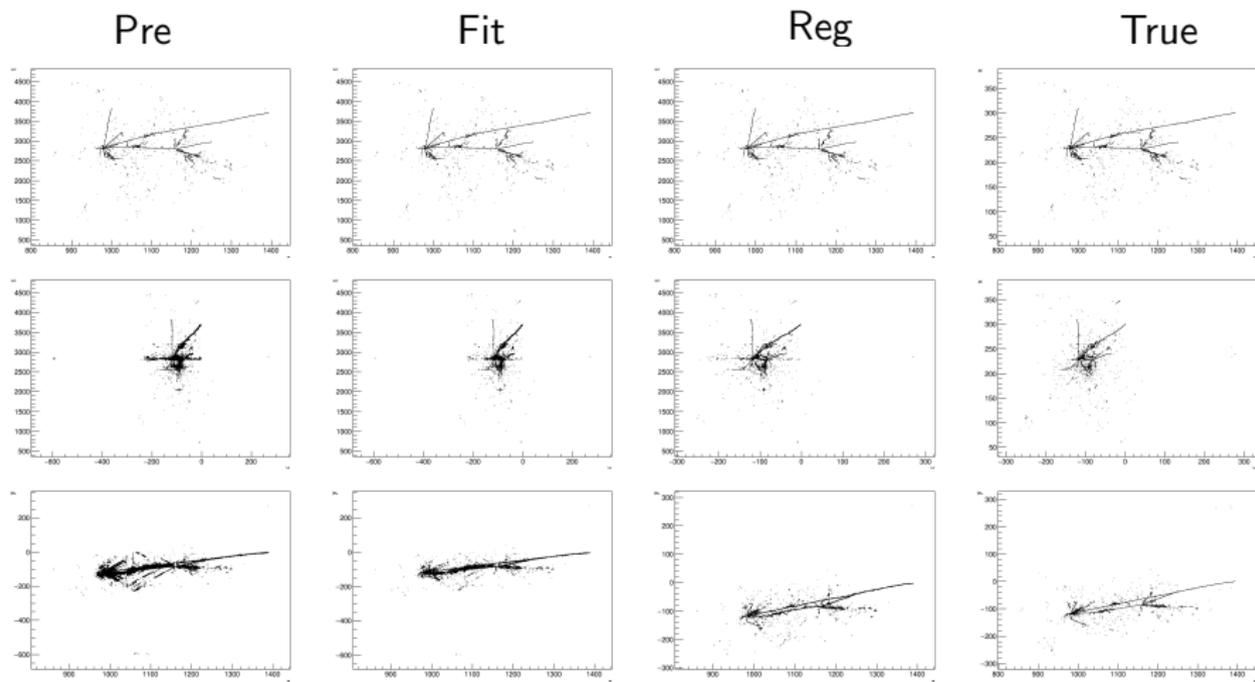


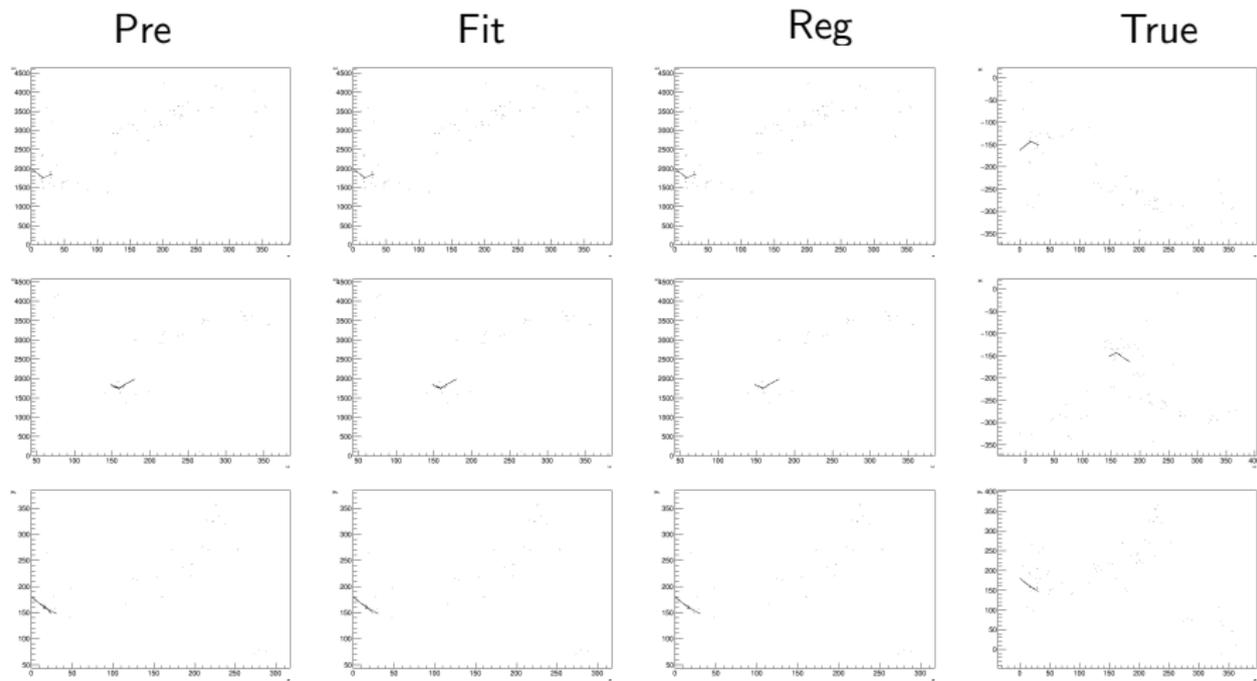


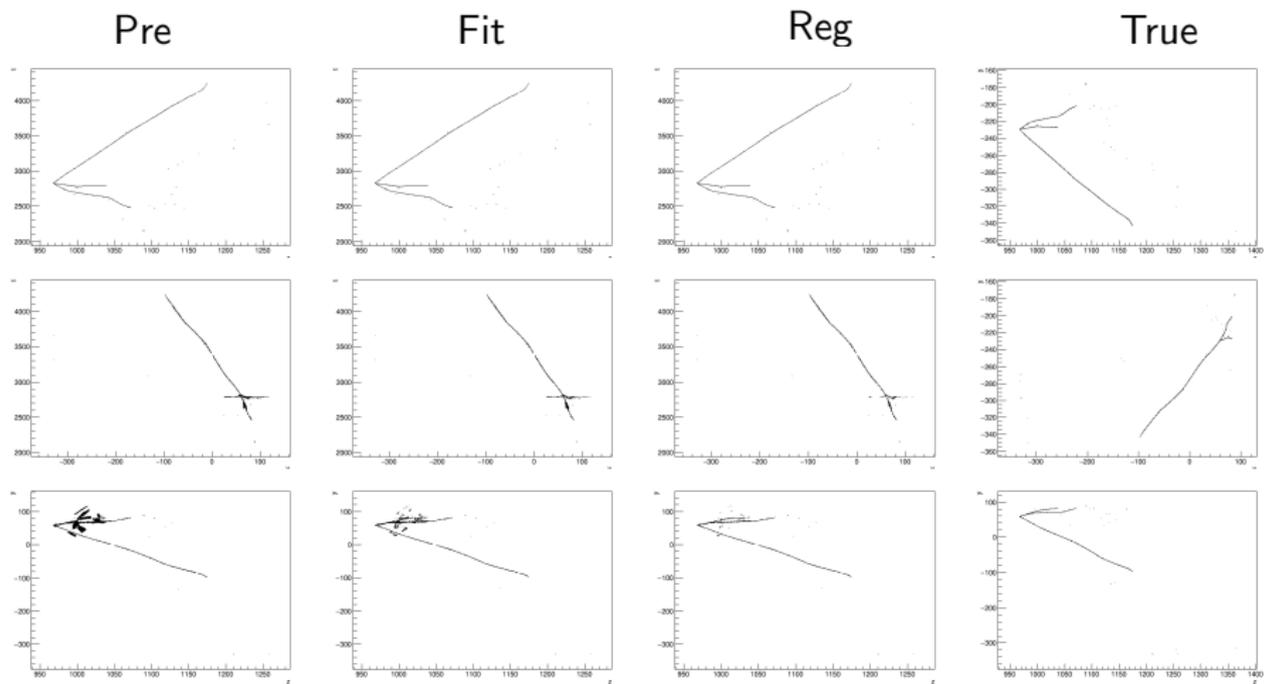


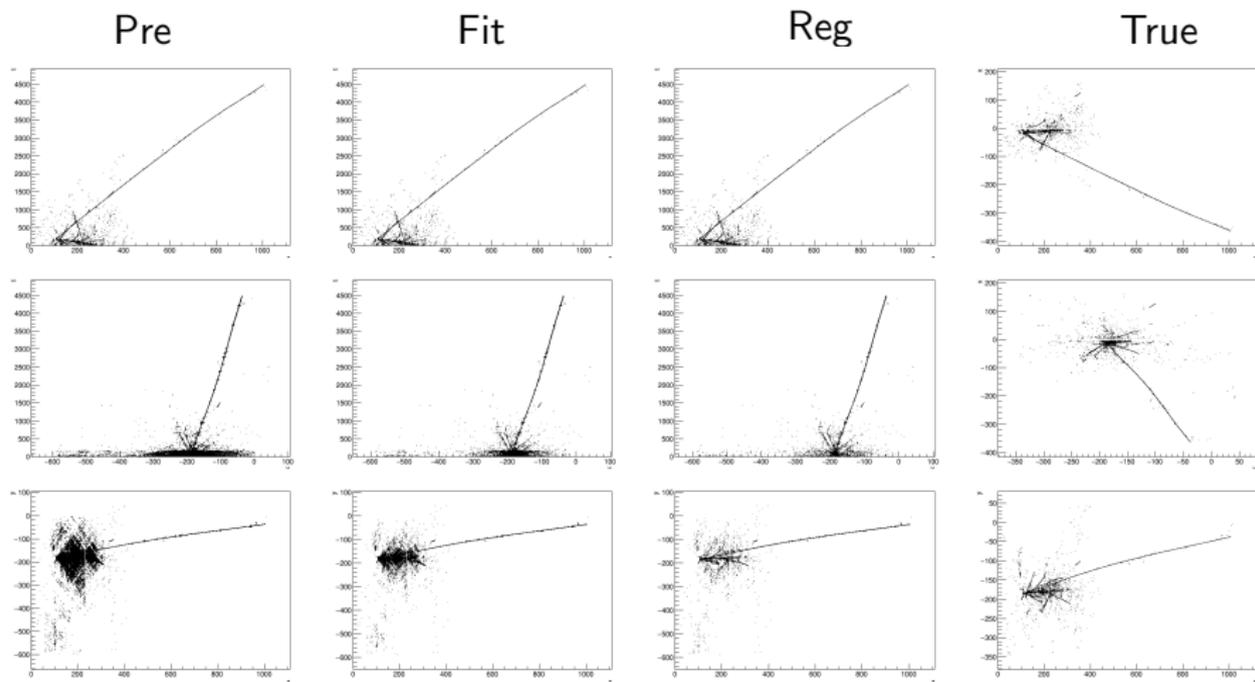
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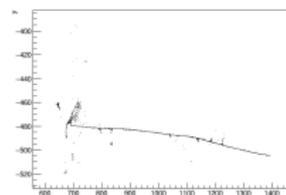
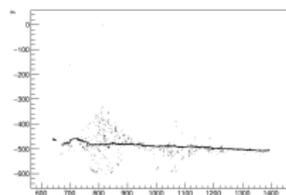
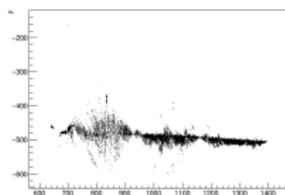
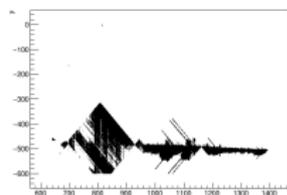
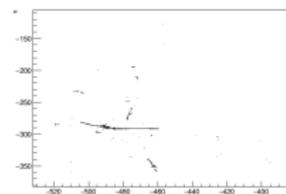
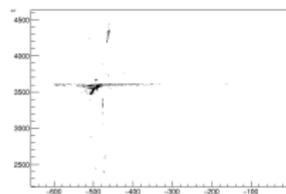
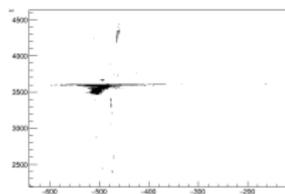
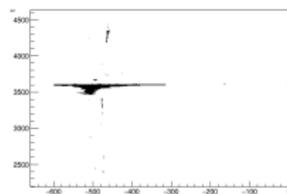
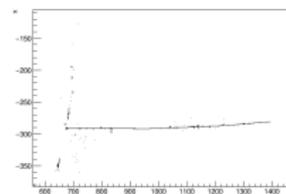
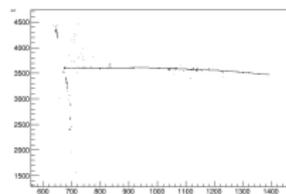
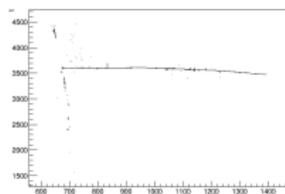
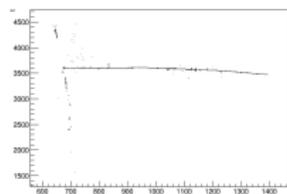


Pre

Fit

Reg

True



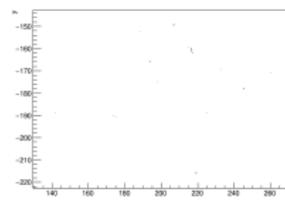
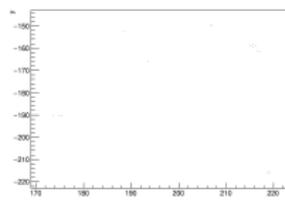
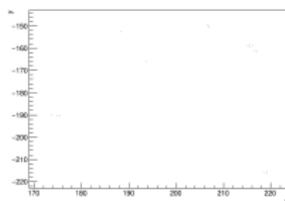
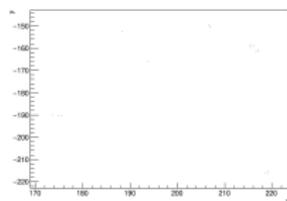
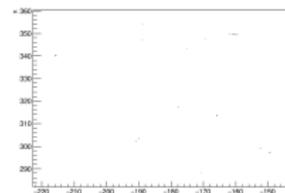
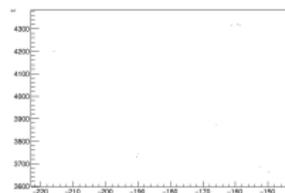
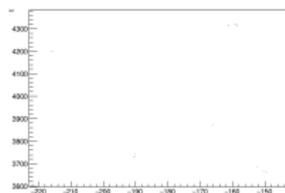
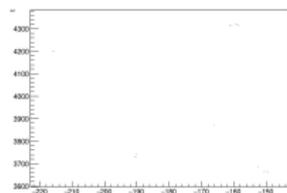
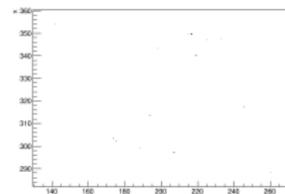
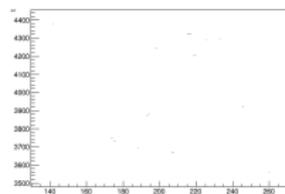
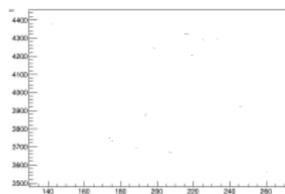
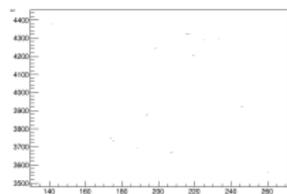
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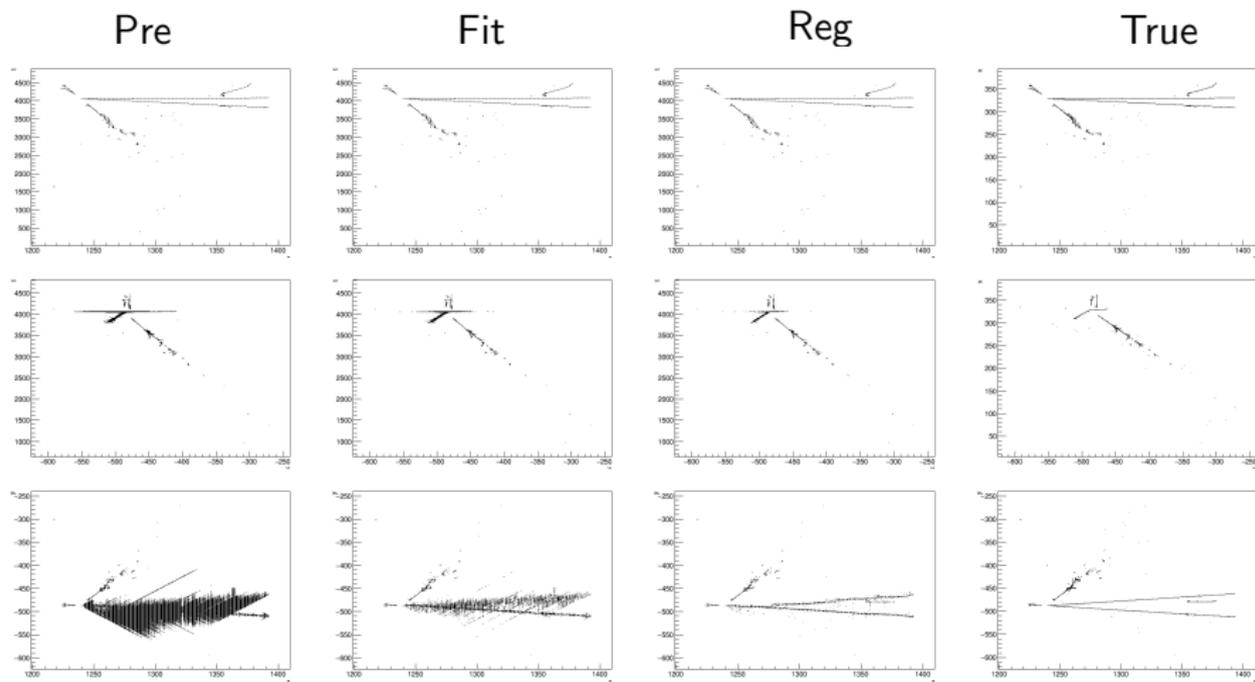
Pre

Fit

Reg

True



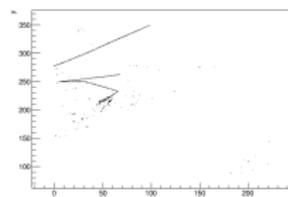
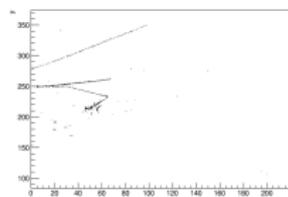
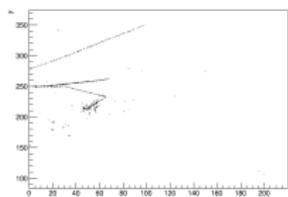
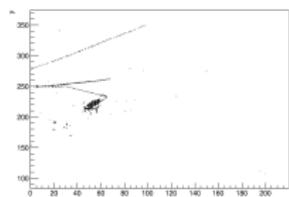
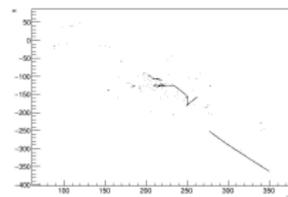
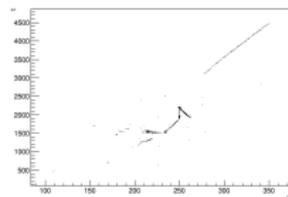
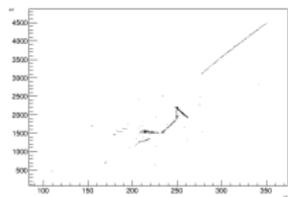
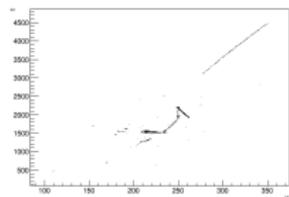
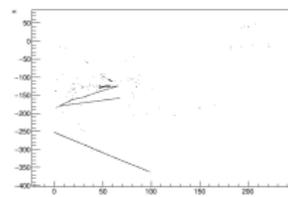
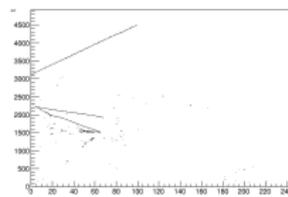
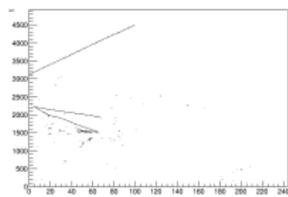
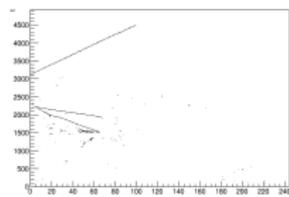


Pre

Fit

Reg

True



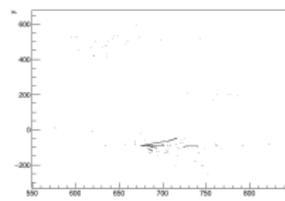
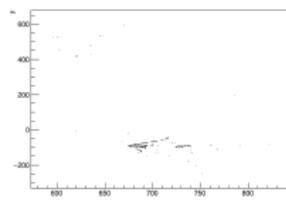
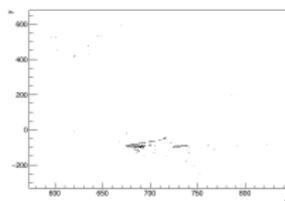
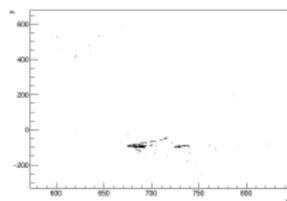
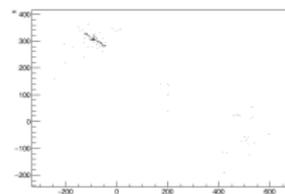
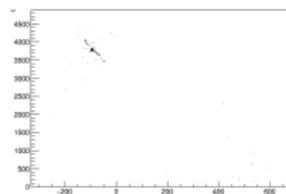
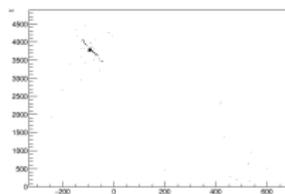
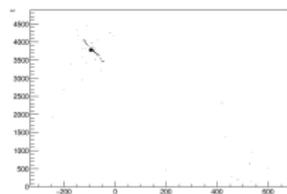
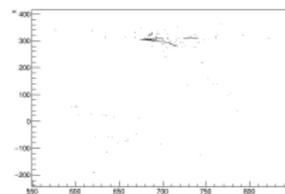
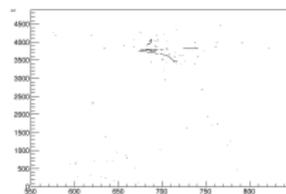
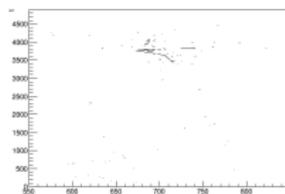
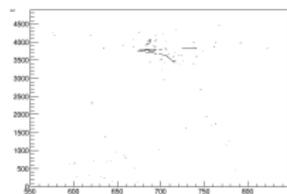
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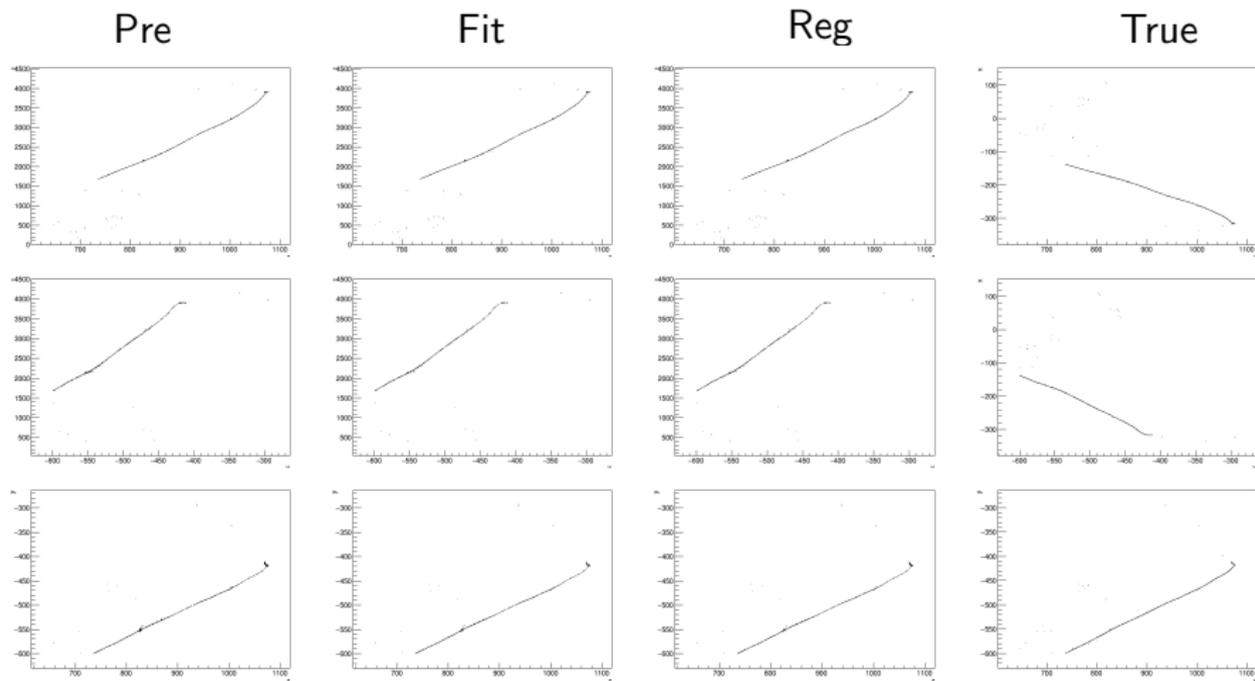
Pre

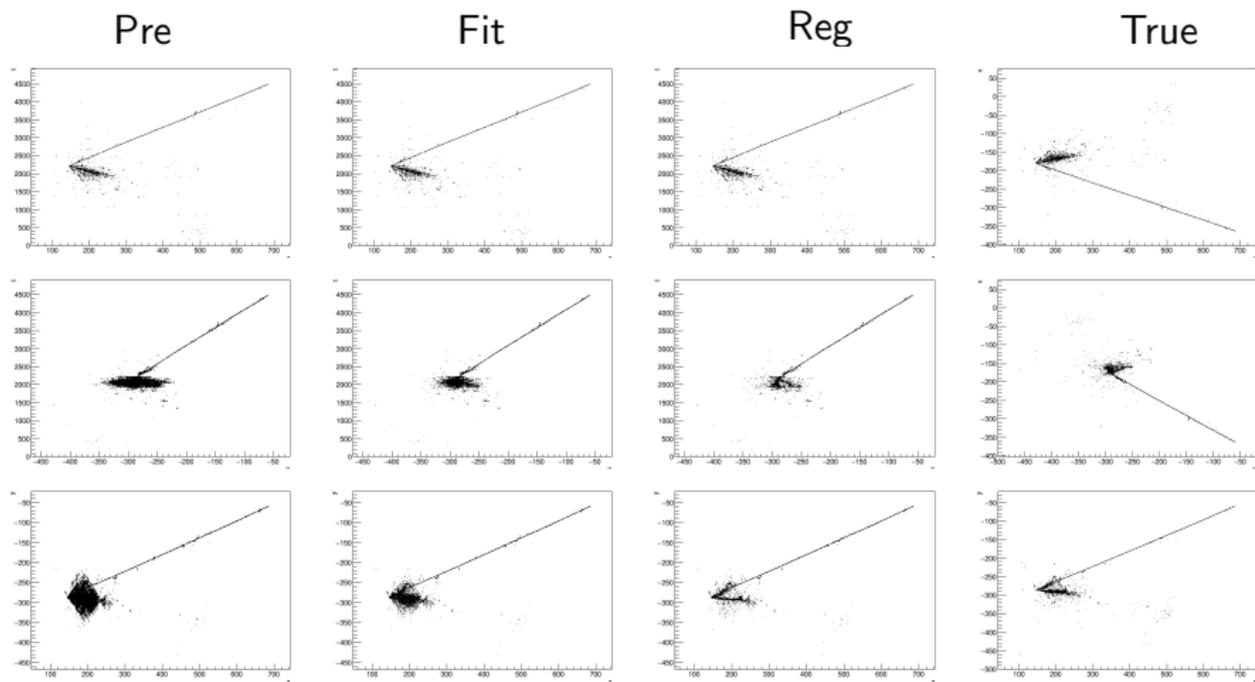
Fit

Reg

True







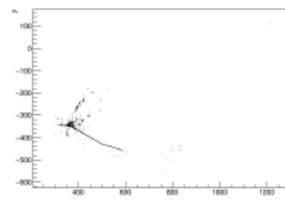
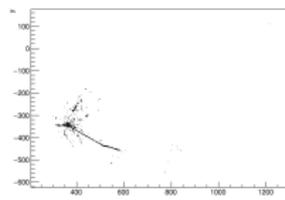
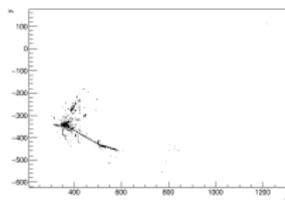
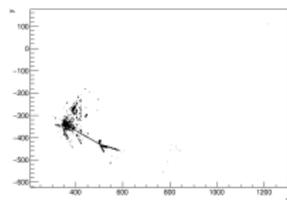
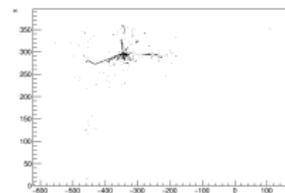
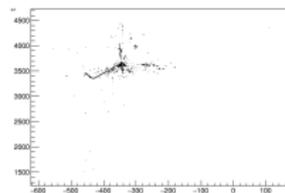
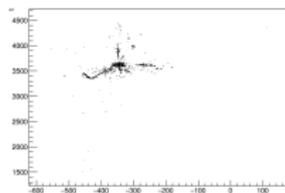
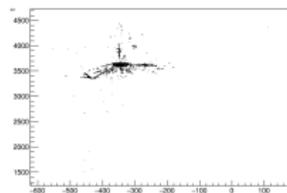
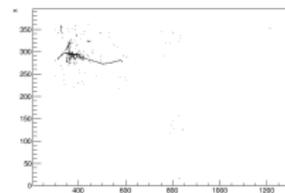
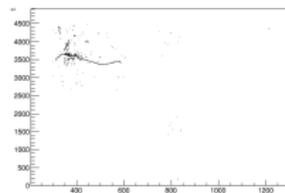
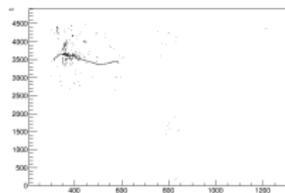
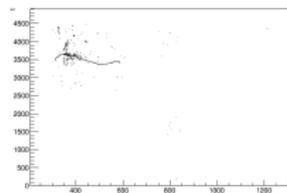
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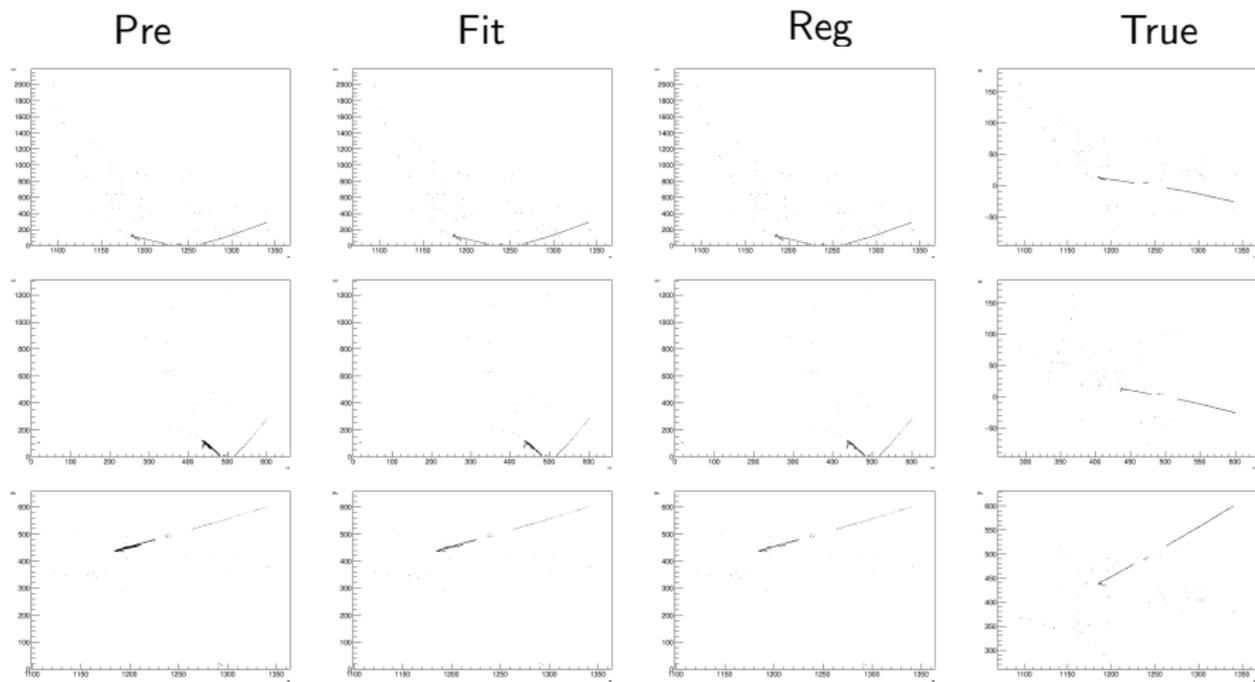
Pre

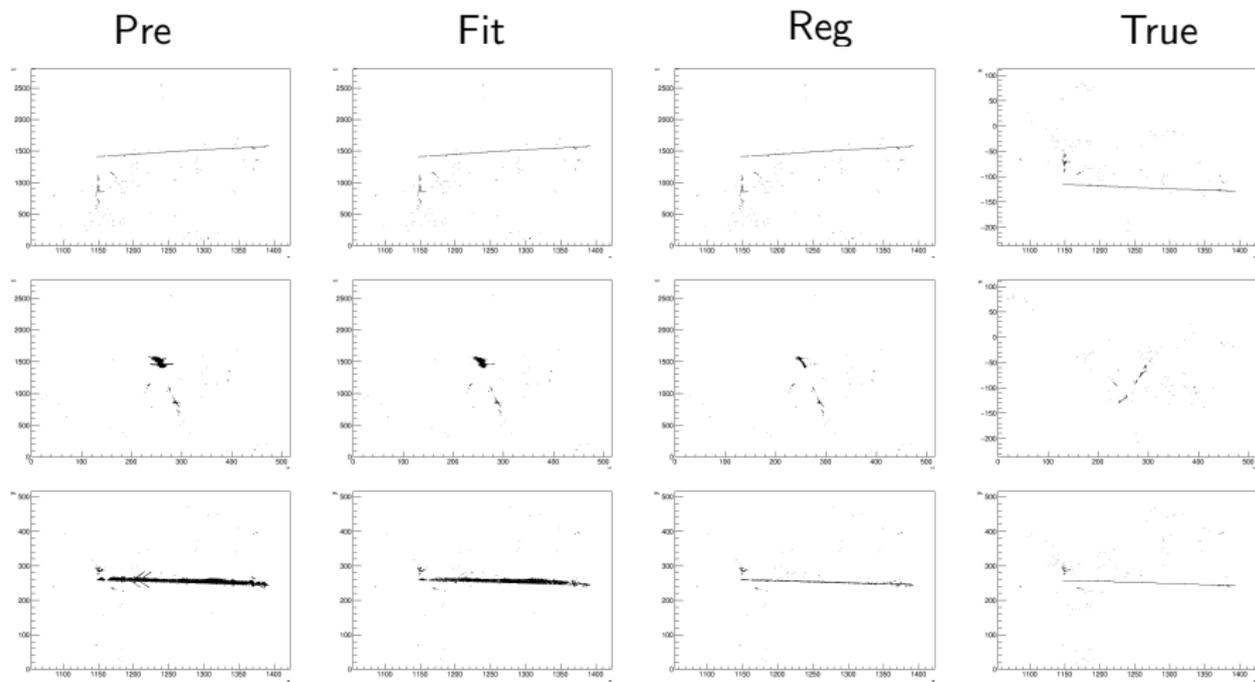
Fit

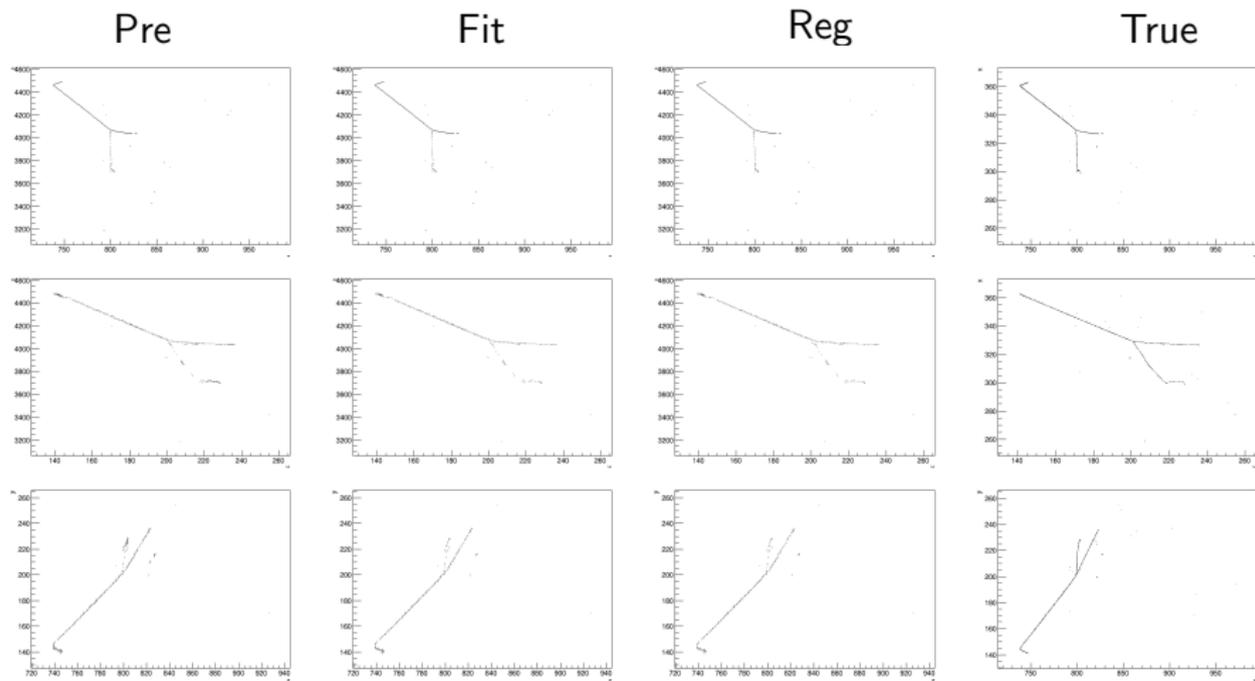
Reg

True









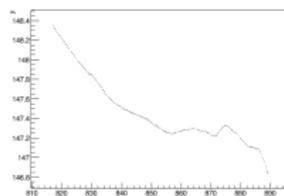
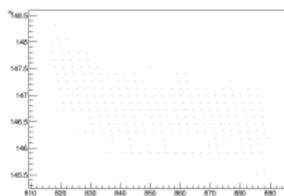
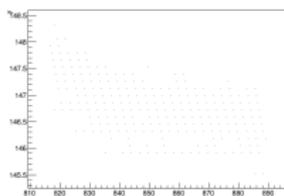
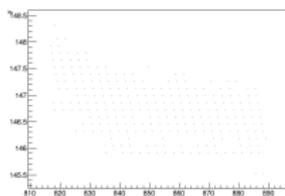
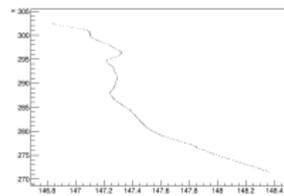
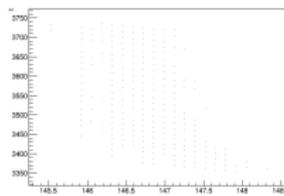
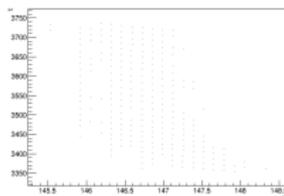
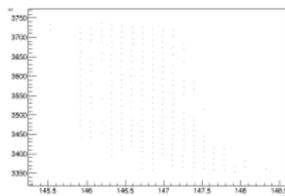
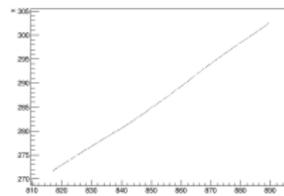
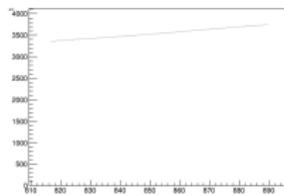
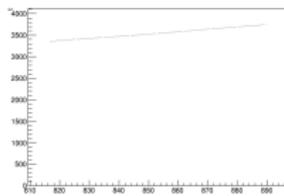
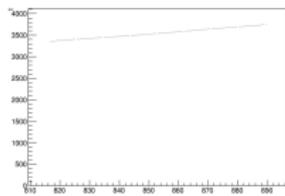
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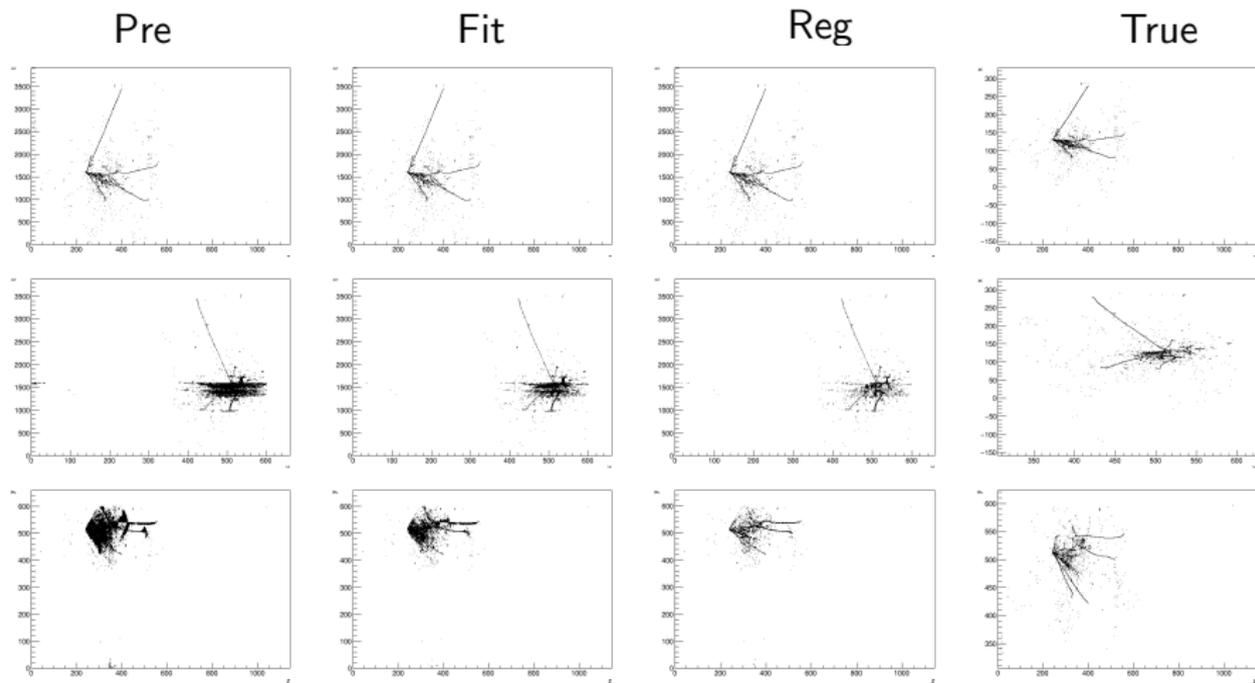
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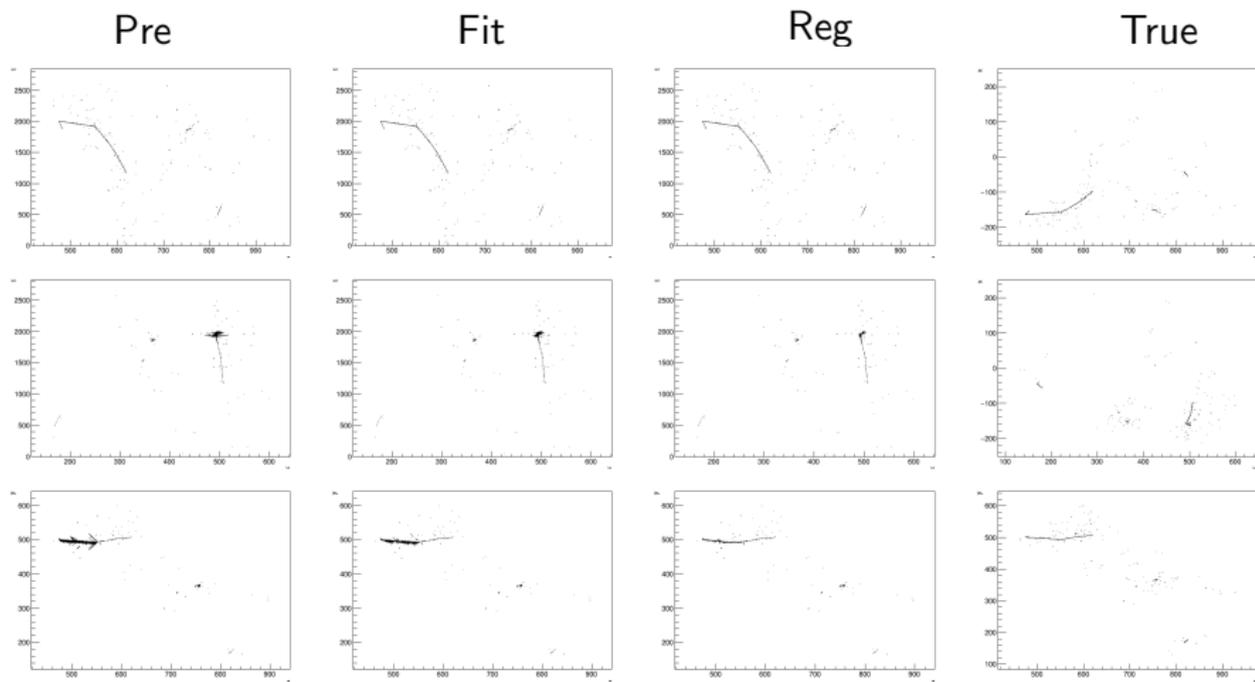
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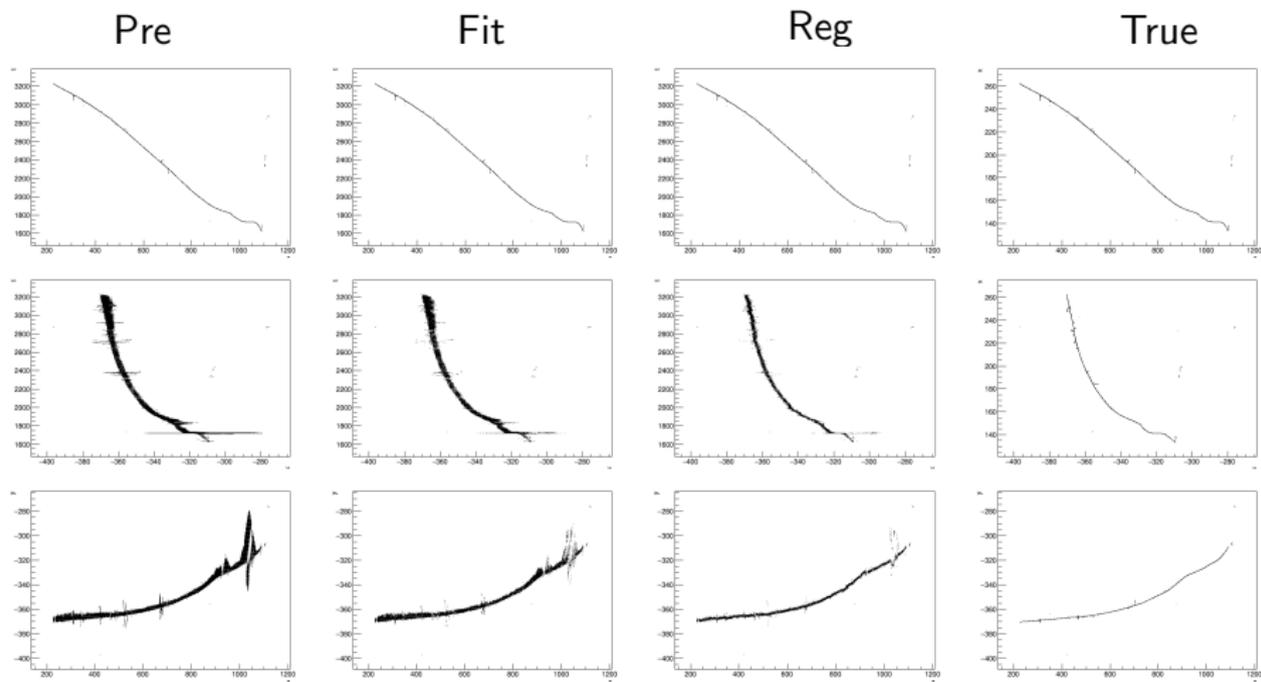
Reg

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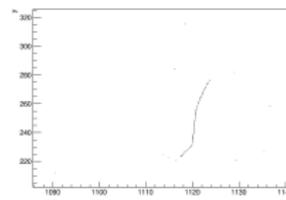
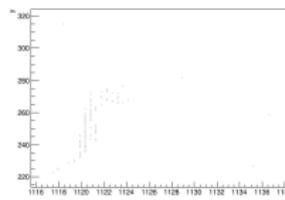
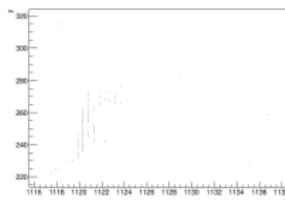
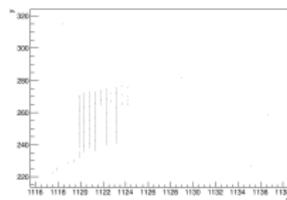
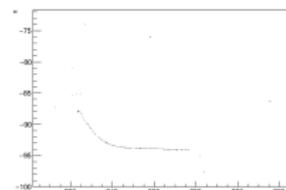
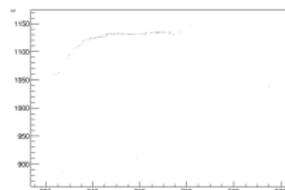
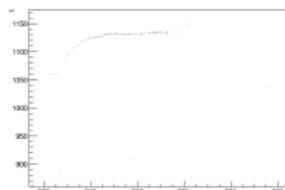
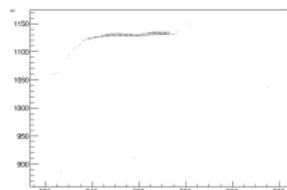
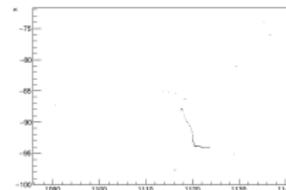
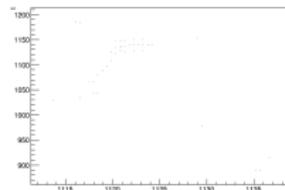
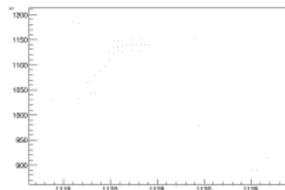
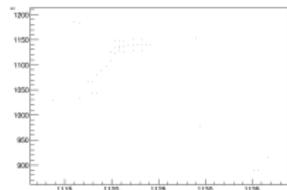


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Fit

Reg

True

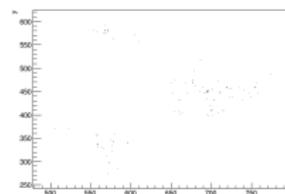
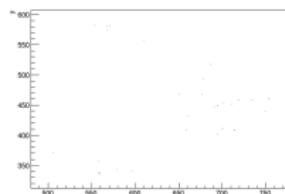
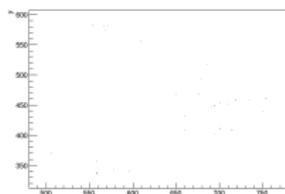
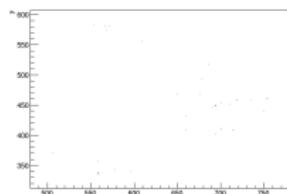
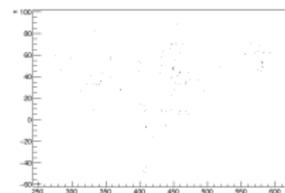
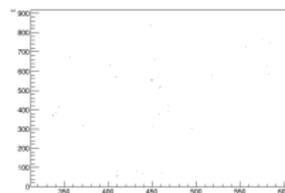
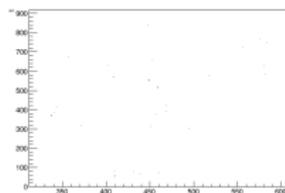
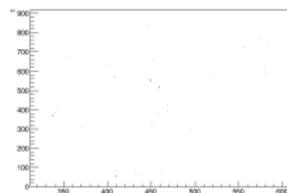
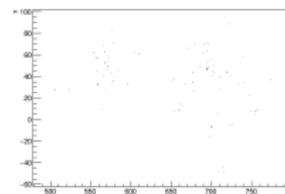
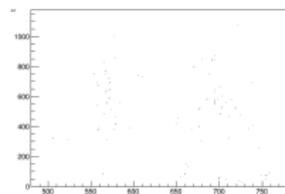
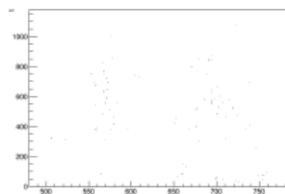
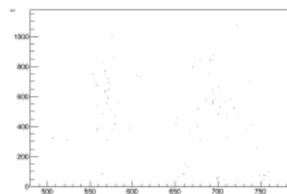


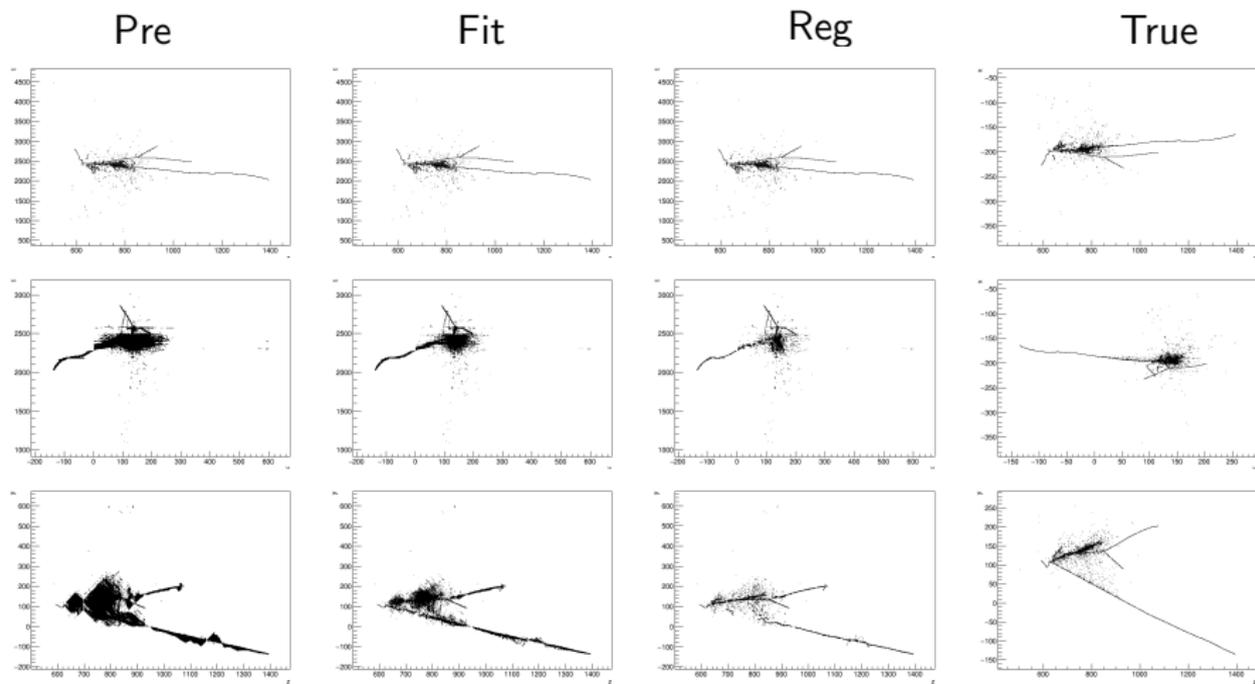
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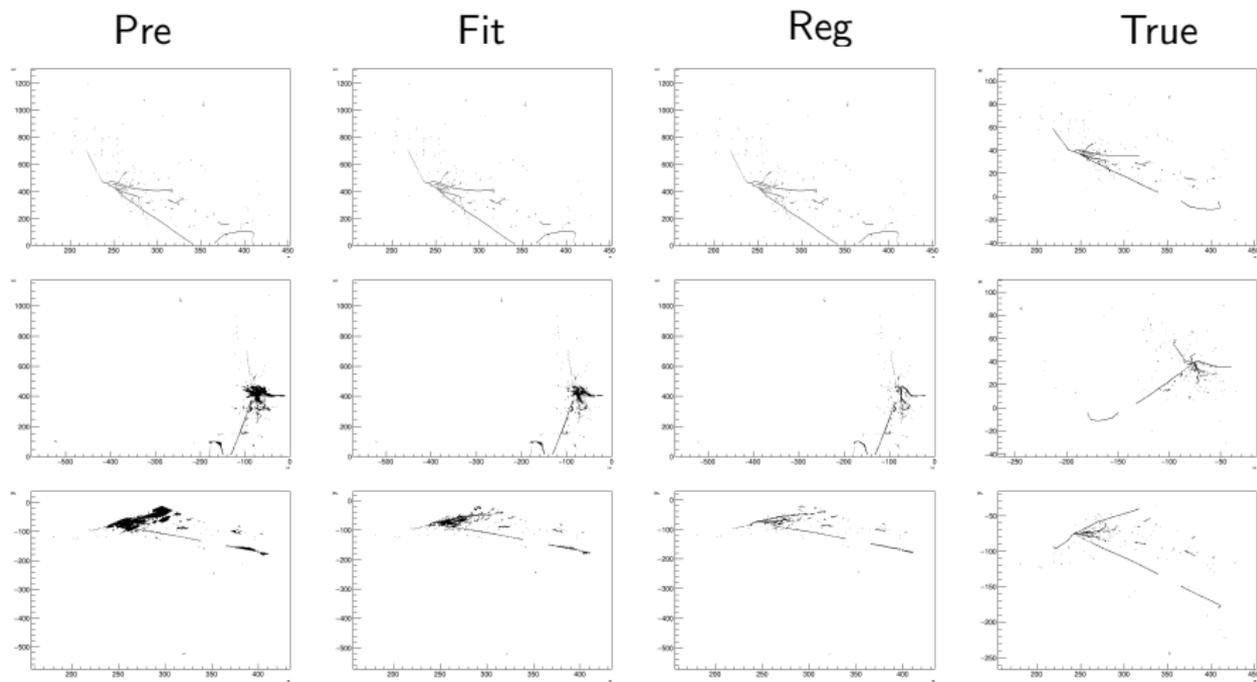
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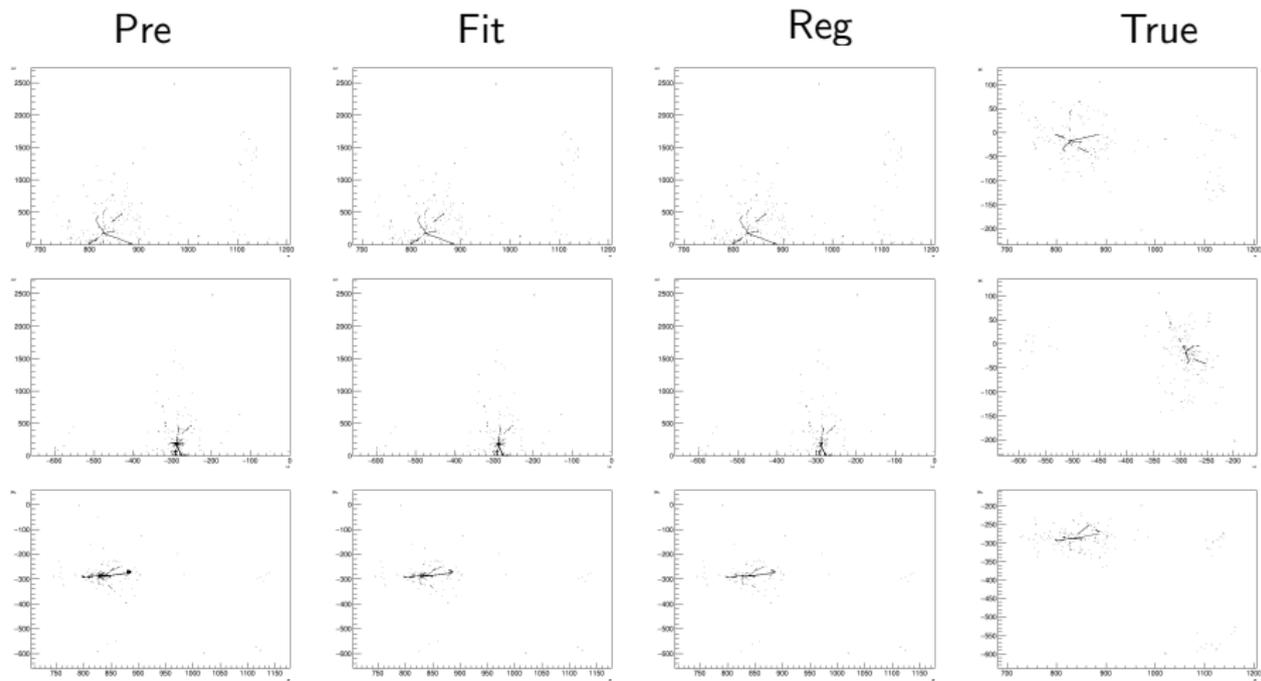
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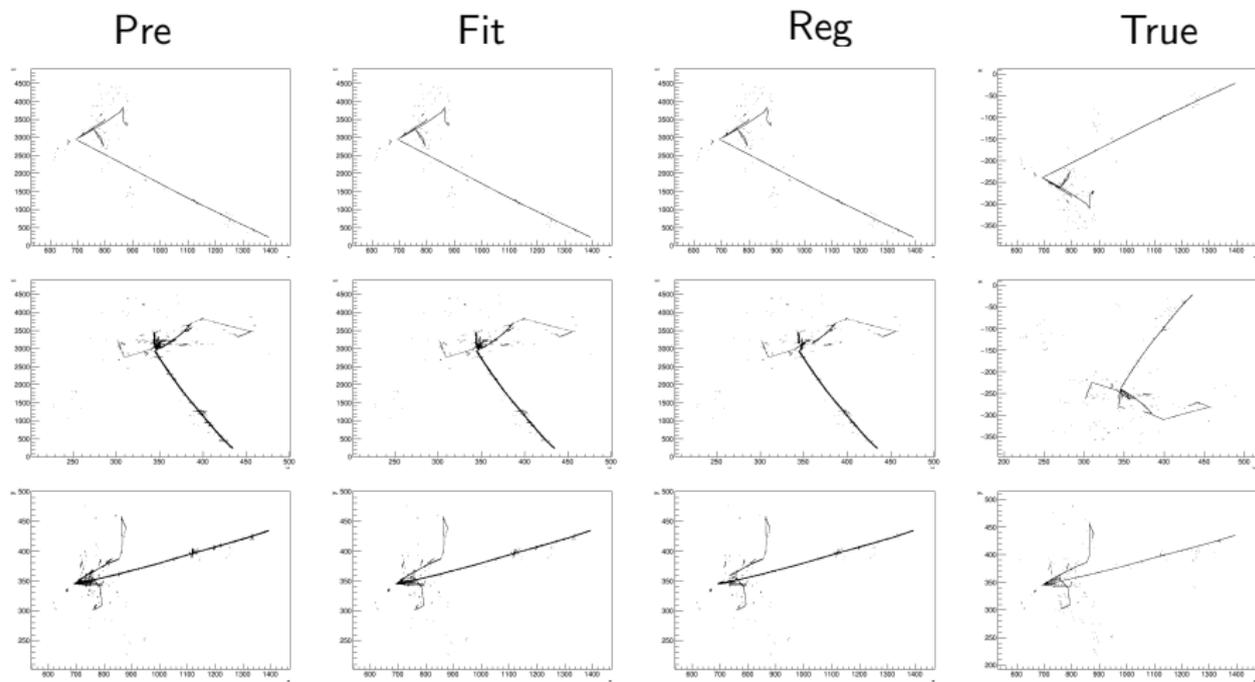
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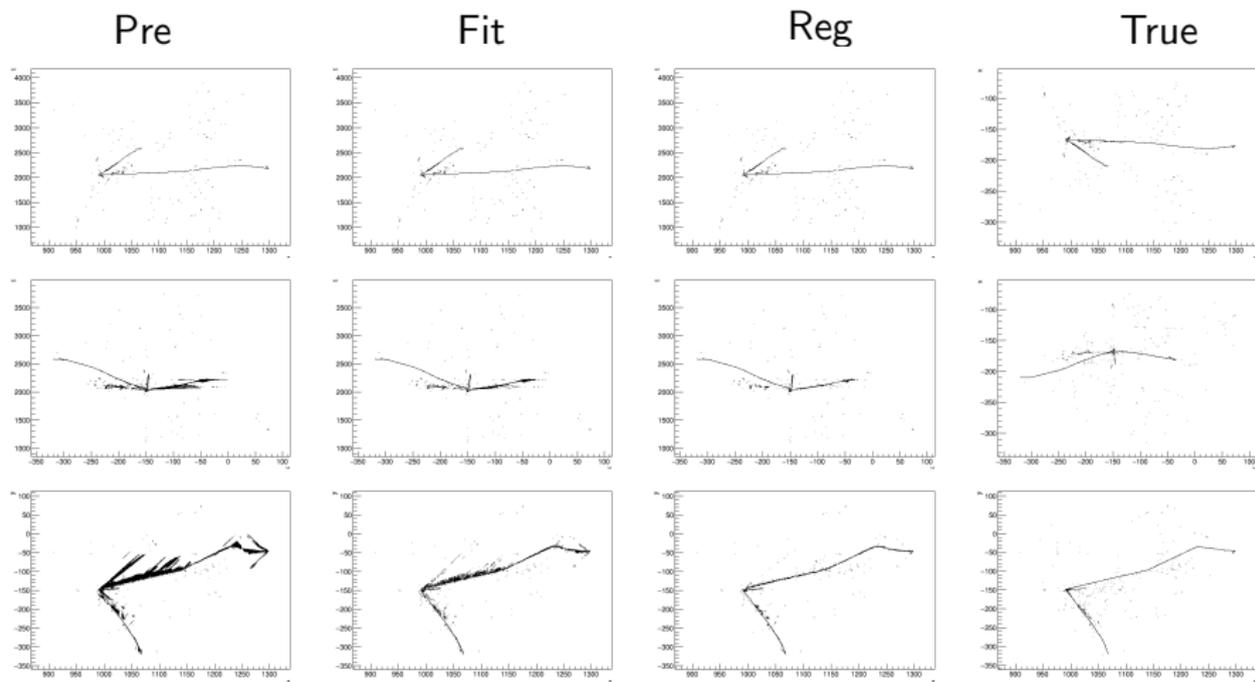


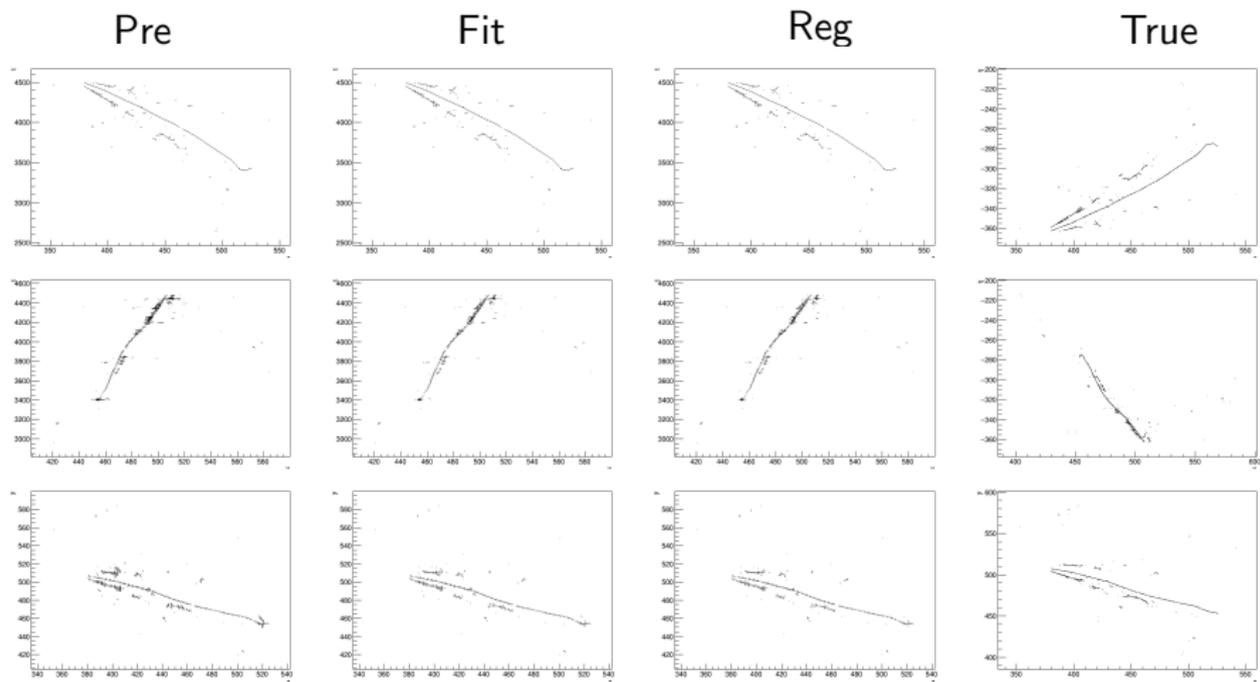










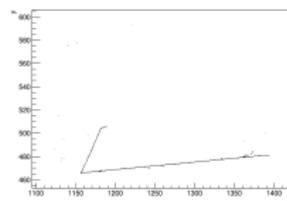
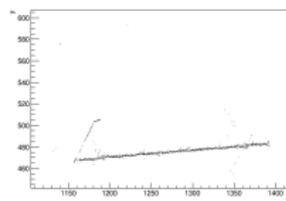
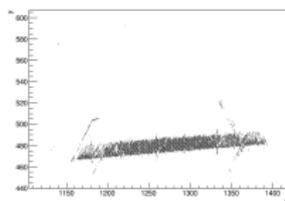
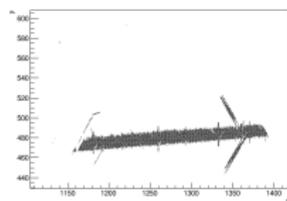
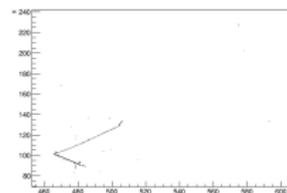
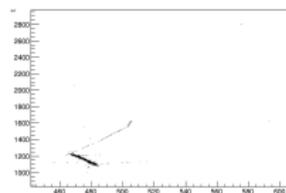
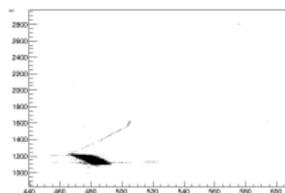
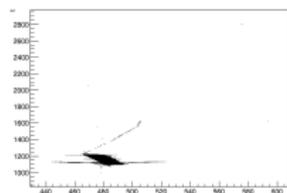
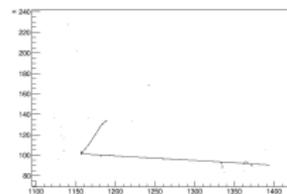
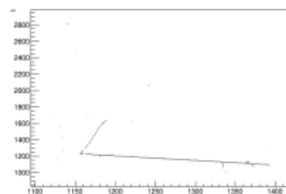
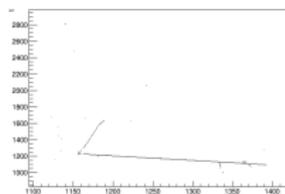
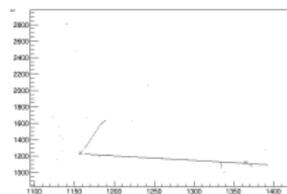


Pre

Fit

Reg

True

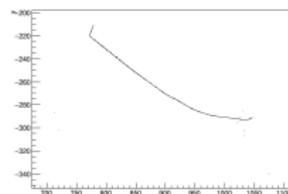
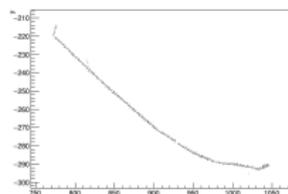
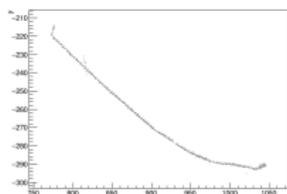
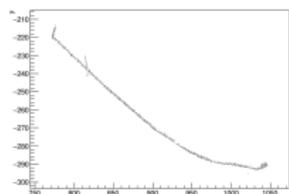
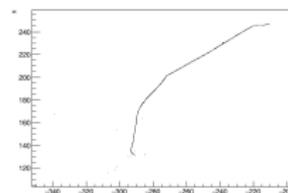
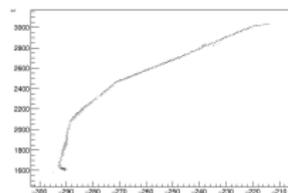
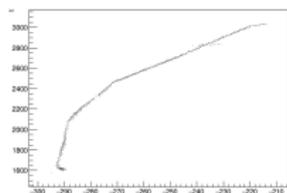
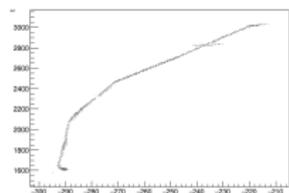
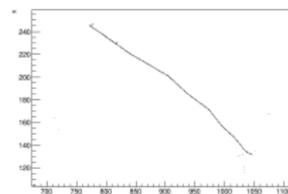
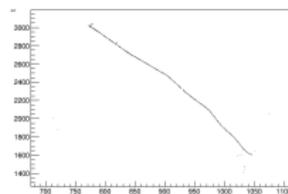
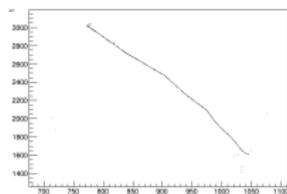
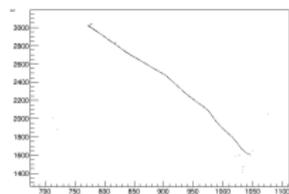


Pre

Fit

Reg

True

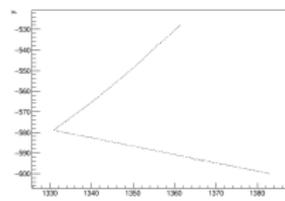
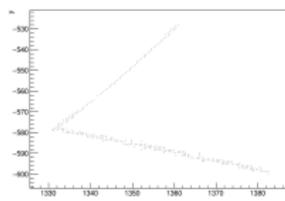
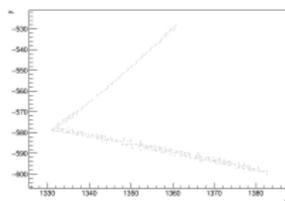
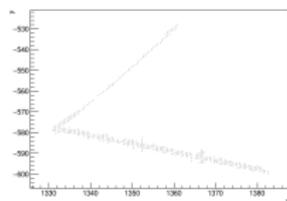
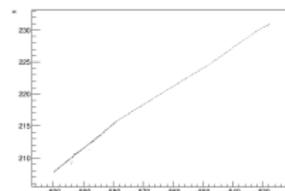
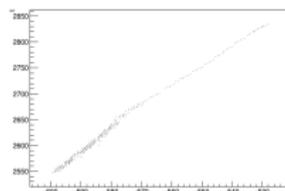
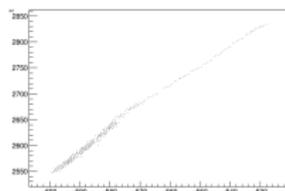
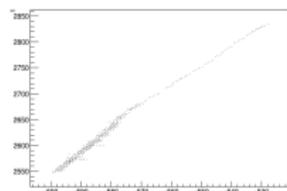
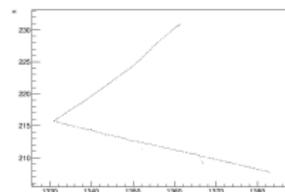
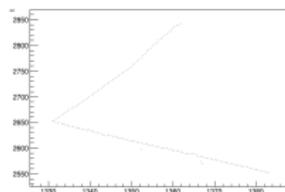
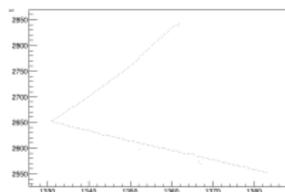
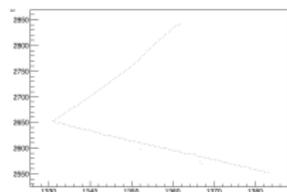


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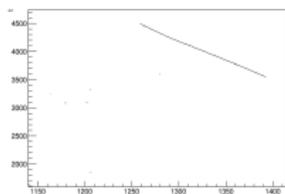
Fit

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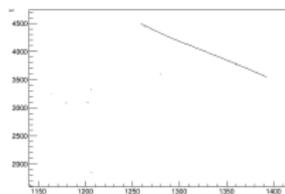
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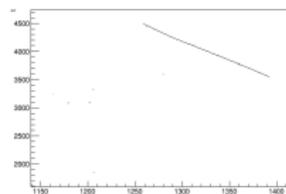
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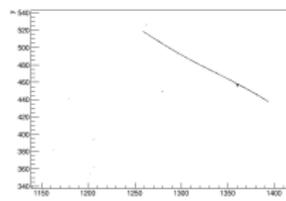
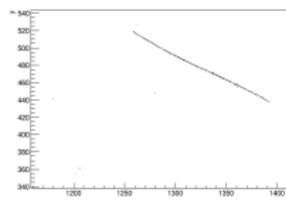
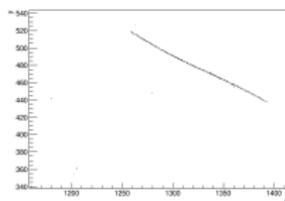
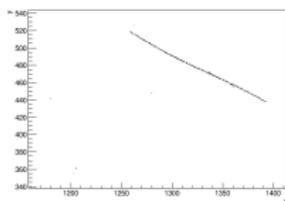
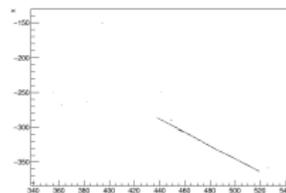
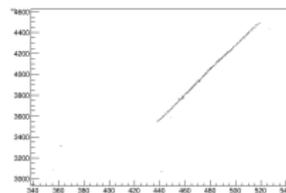
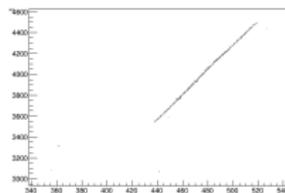
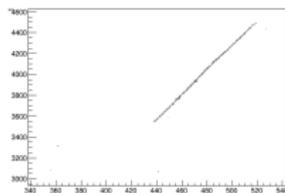
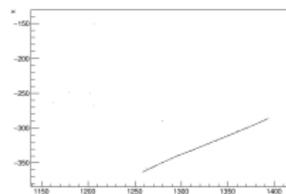
Fit



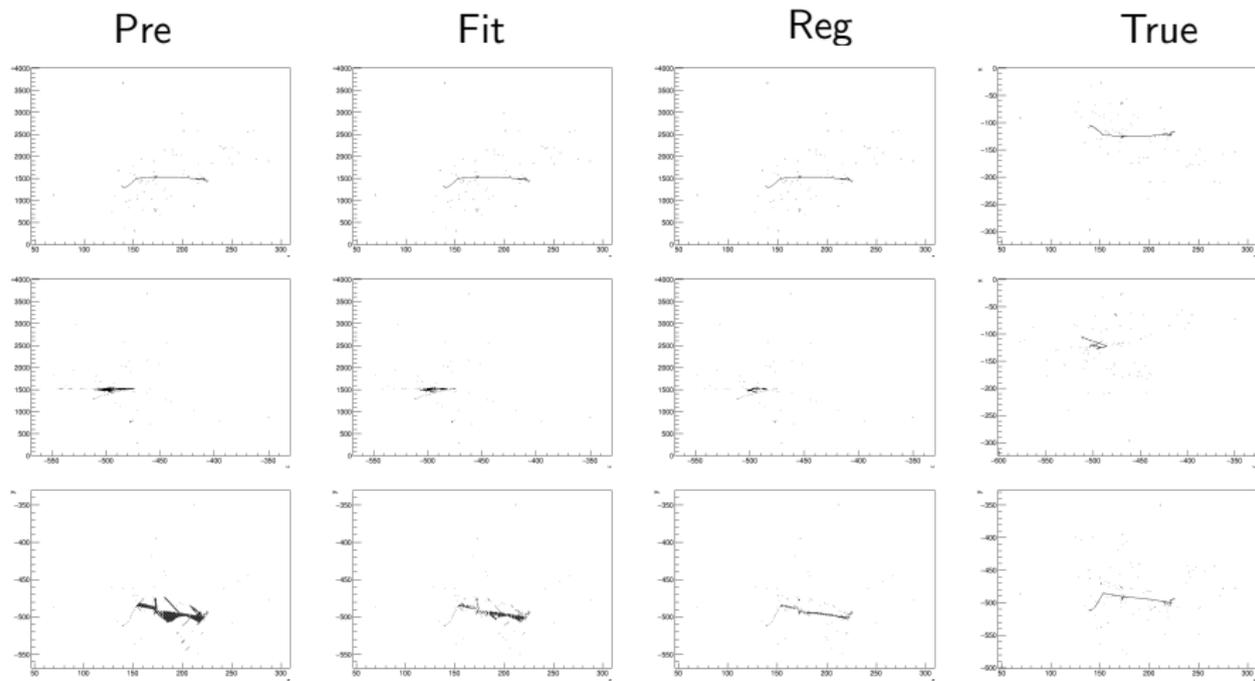
Reg



True



2374



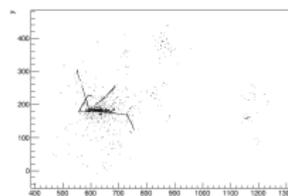
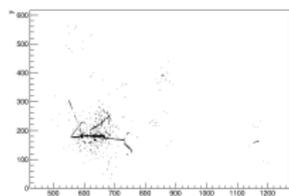
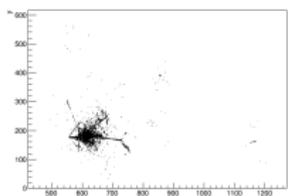
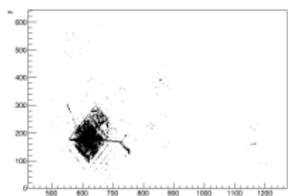
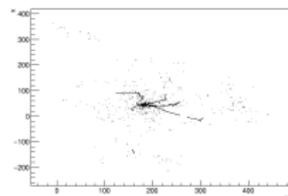
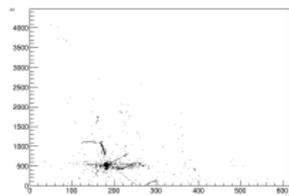
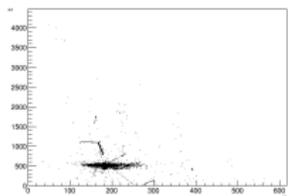
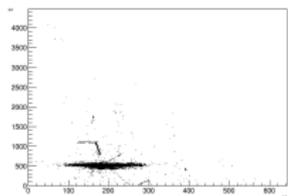
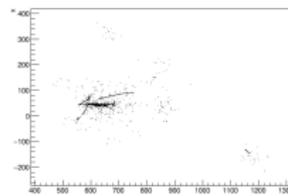
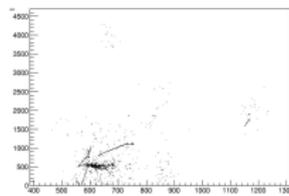
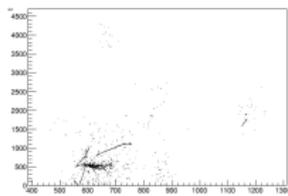
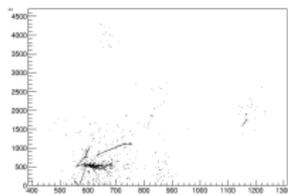
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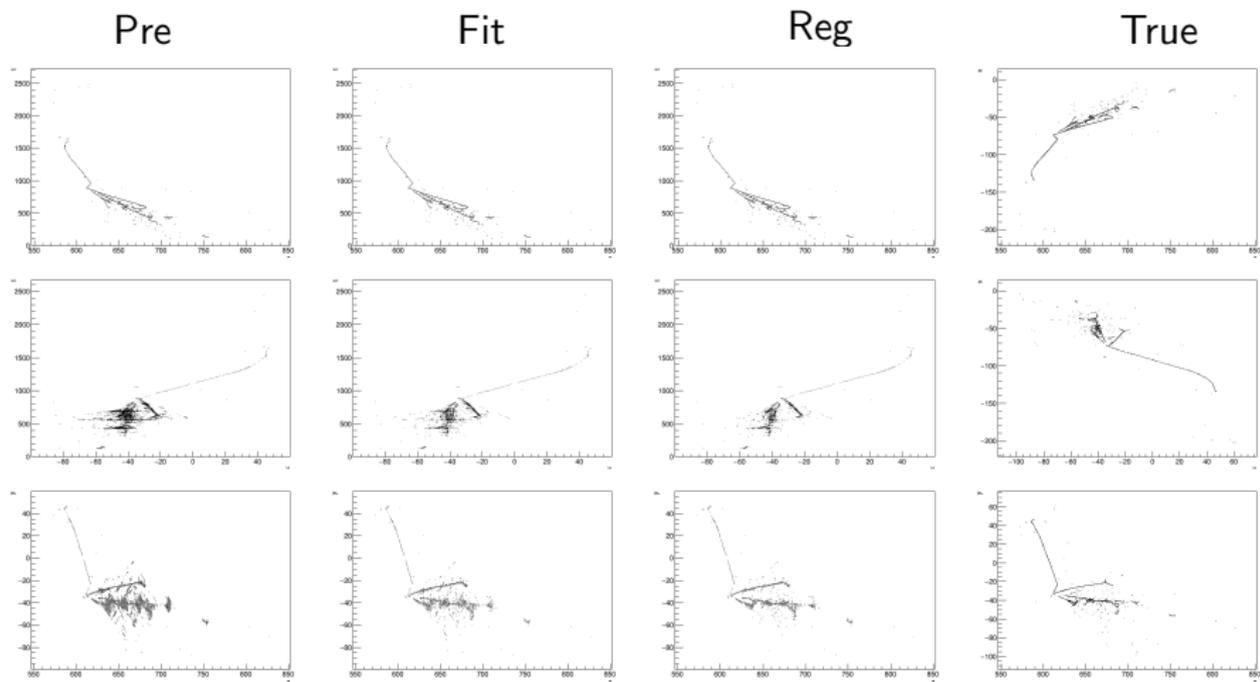
Pre

Fit

Reg

True





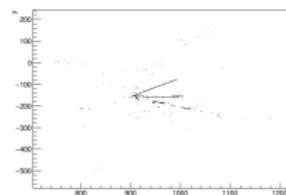
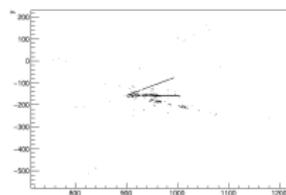
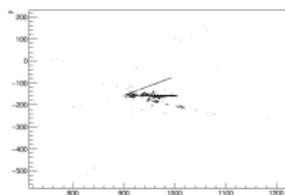
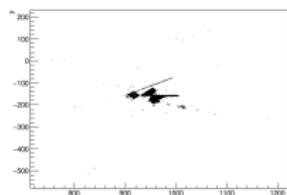
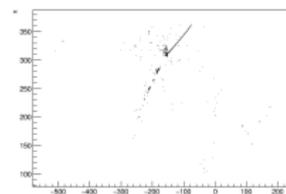
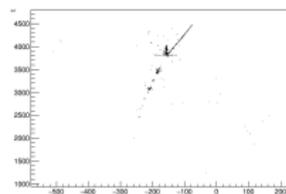
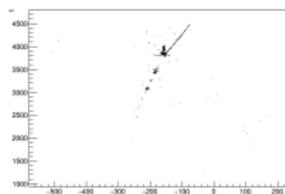
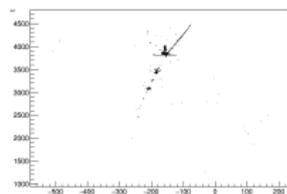
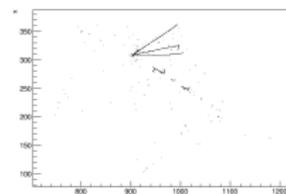
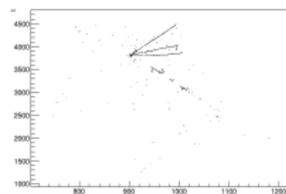
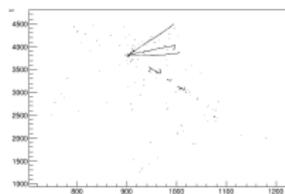
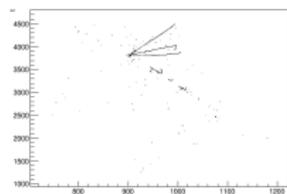
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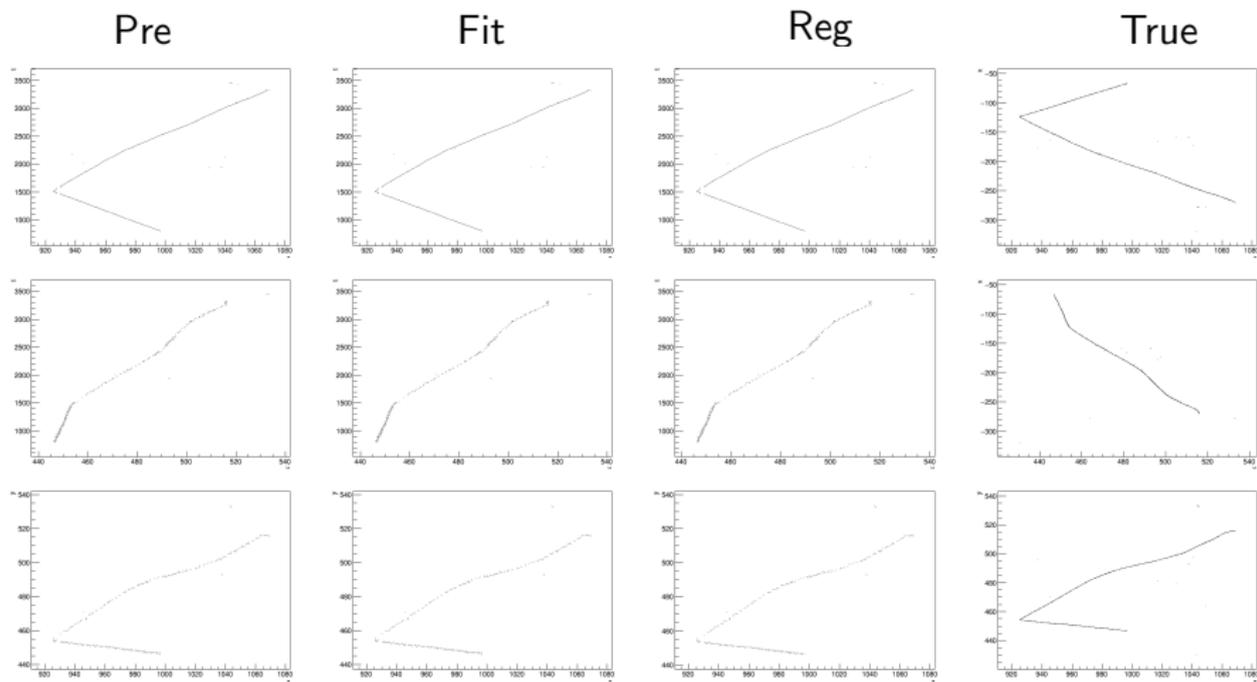
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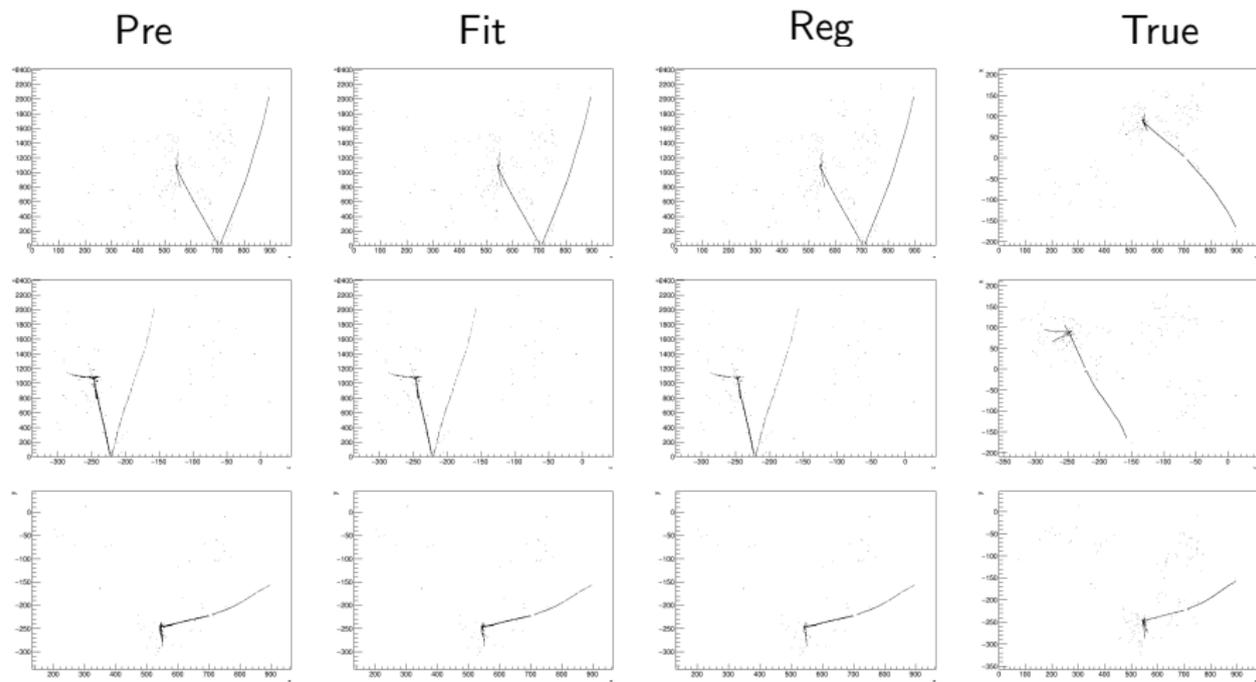
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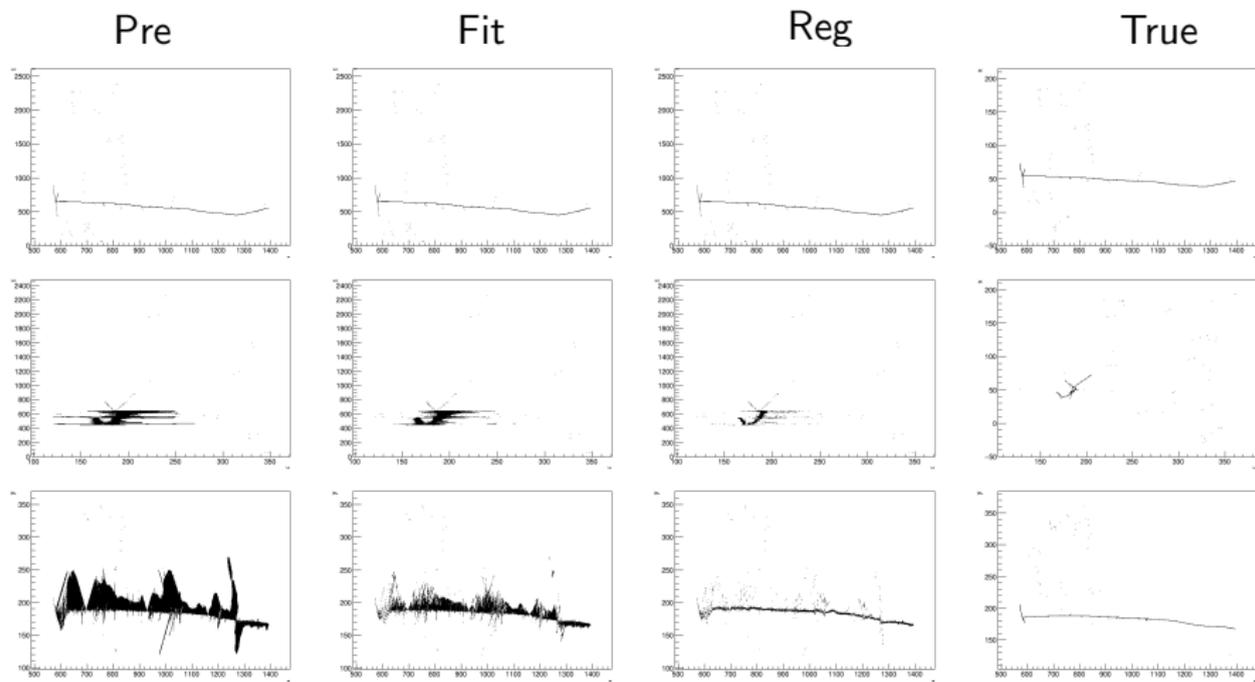
Reg

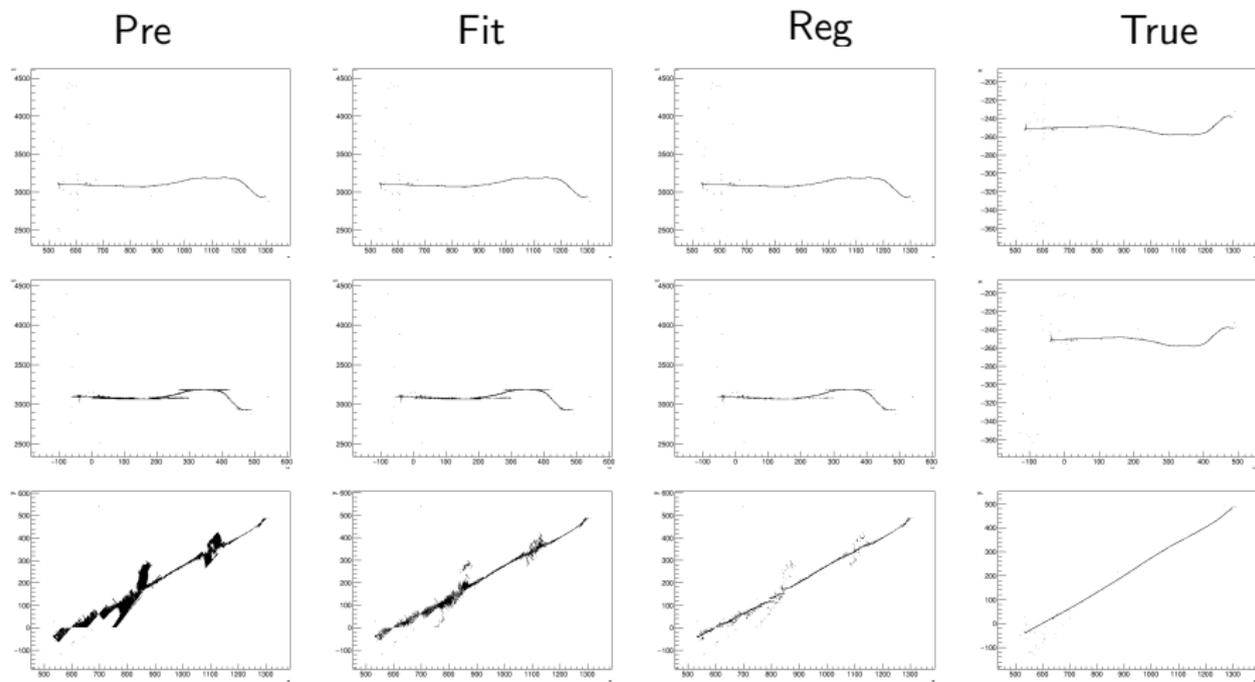
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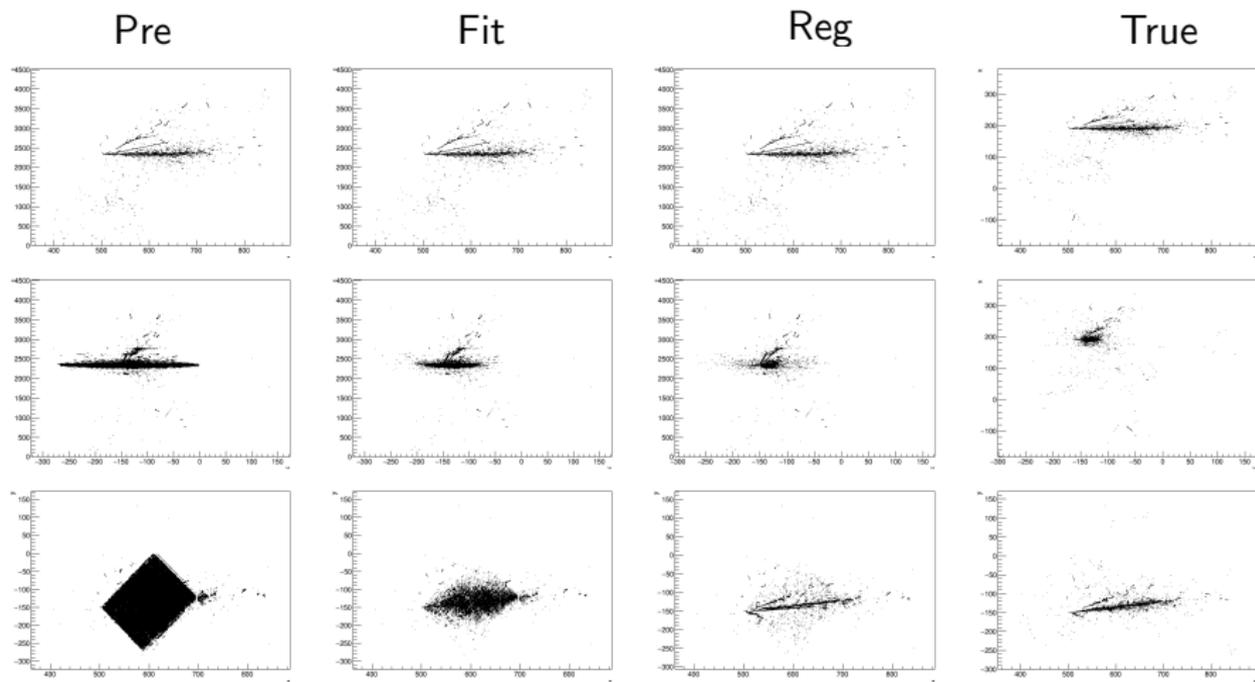










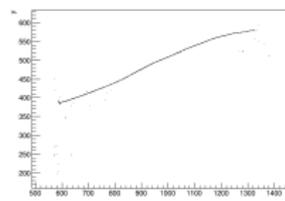
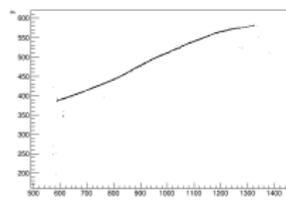
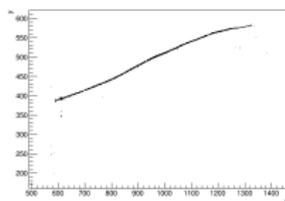
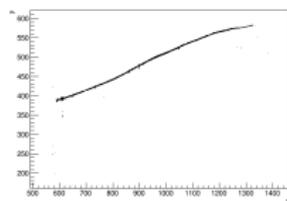
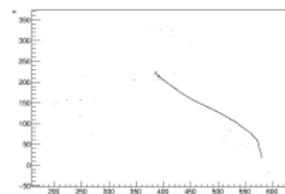
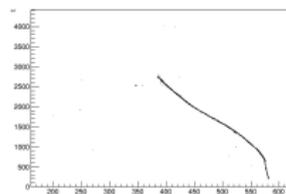
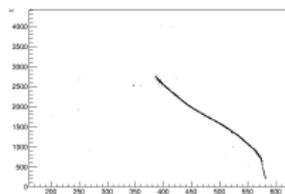
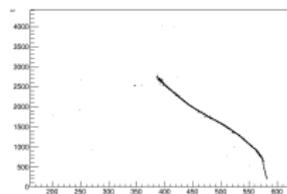
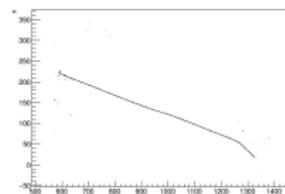
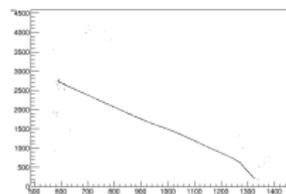
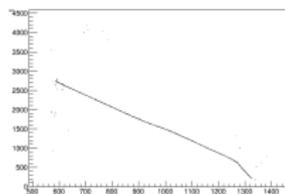
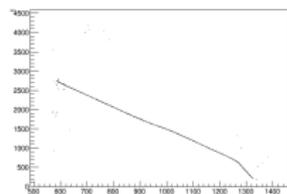


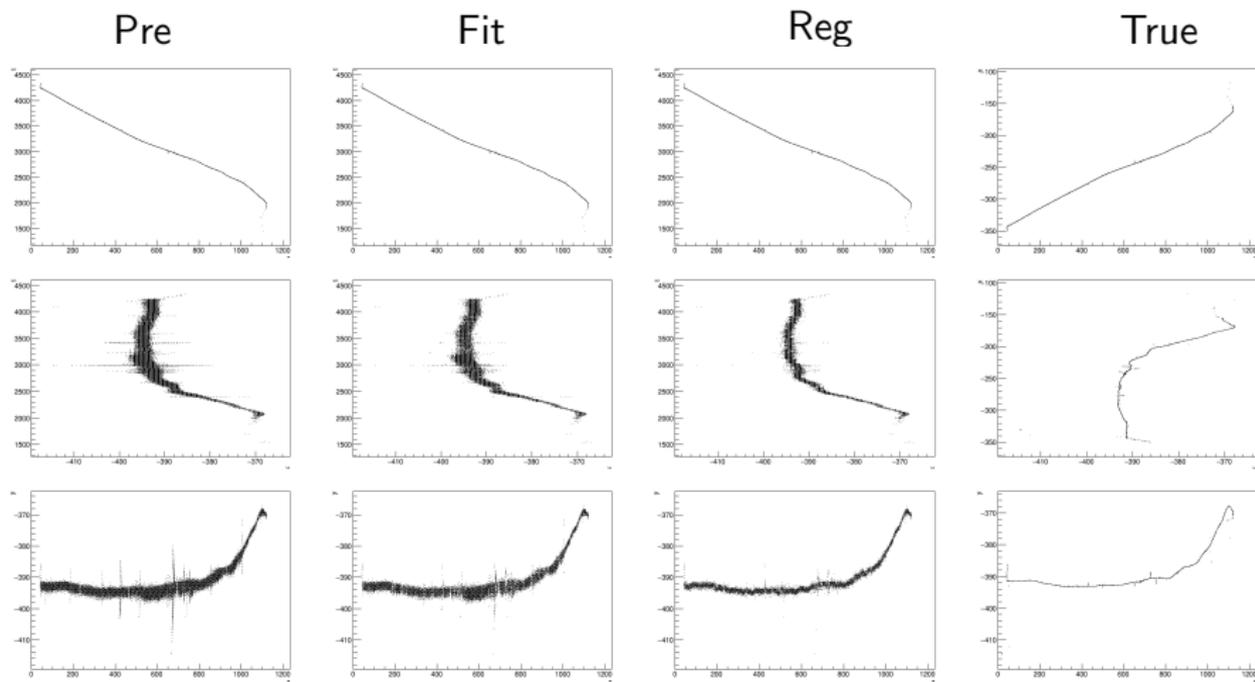
Pre

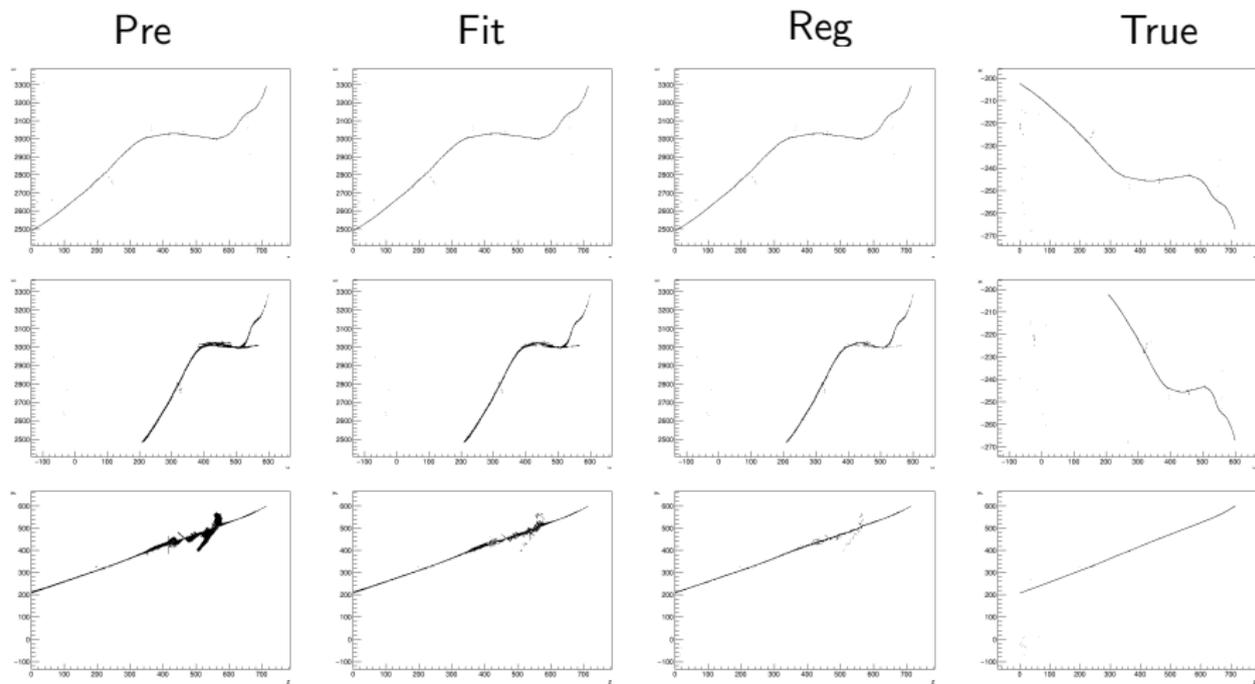
Fit

Reg

True





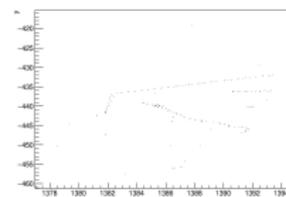
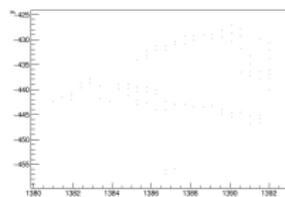
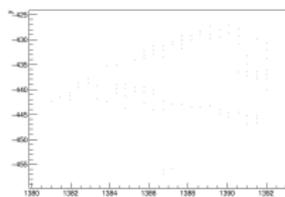
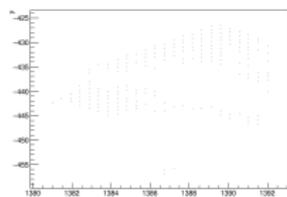
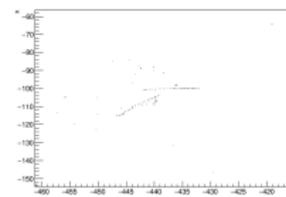
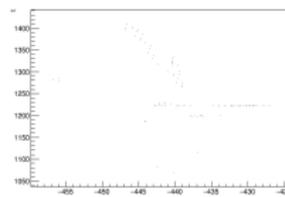
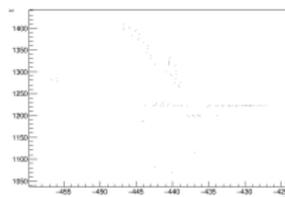
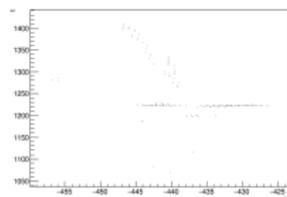
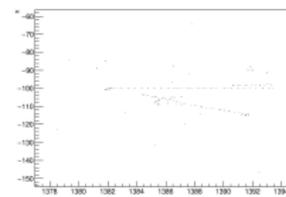
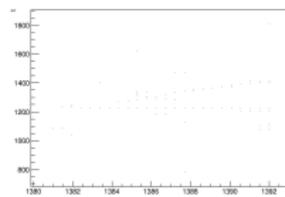
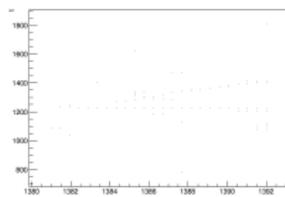
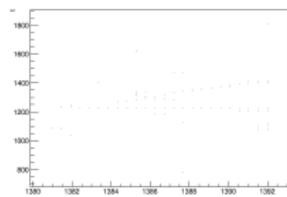


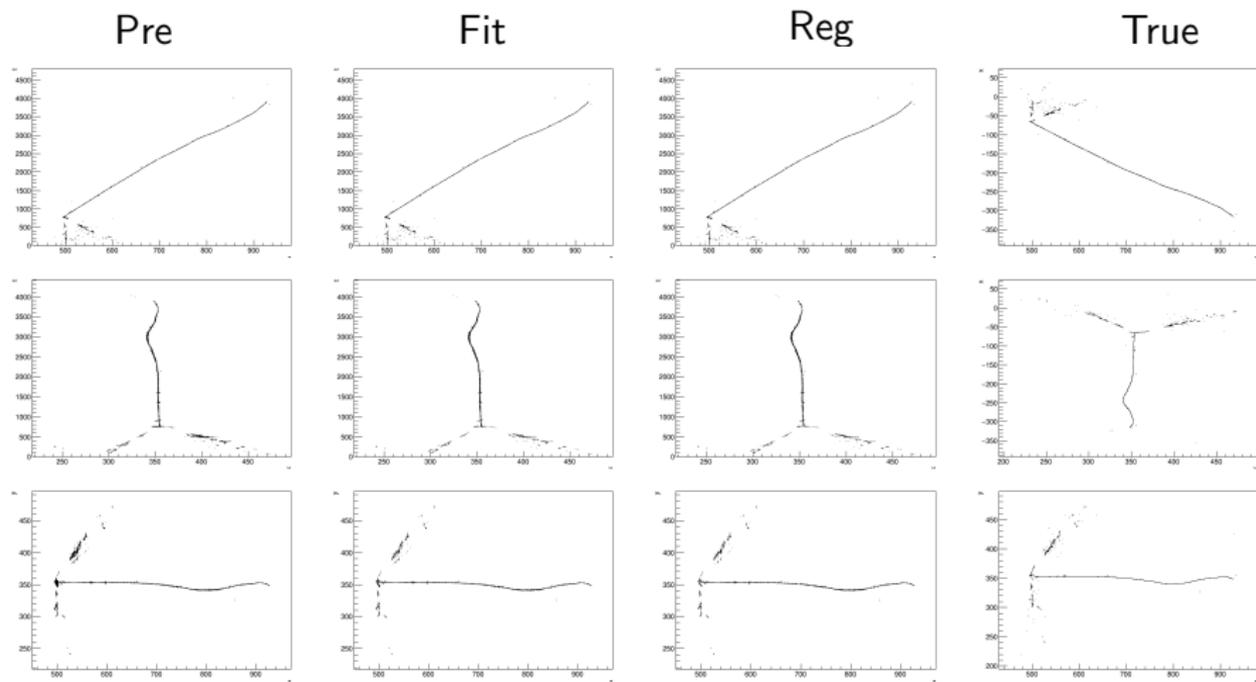
Pre

Fit

Reg

True



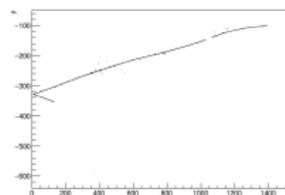
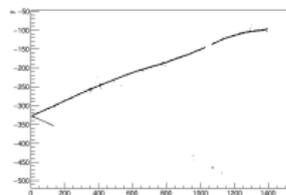
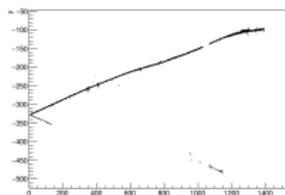
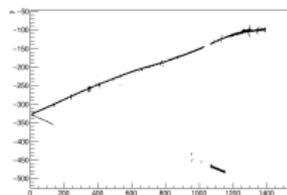
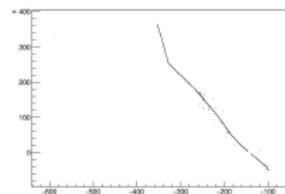
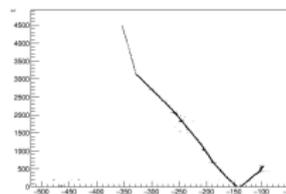
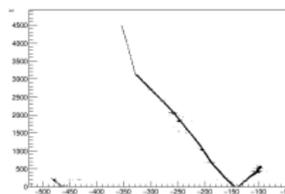
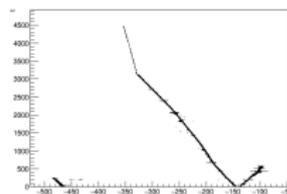
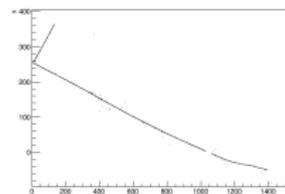
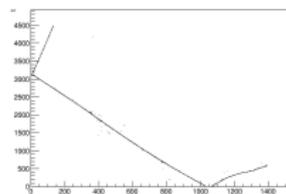
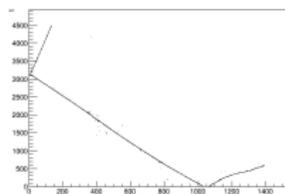
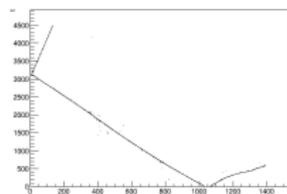


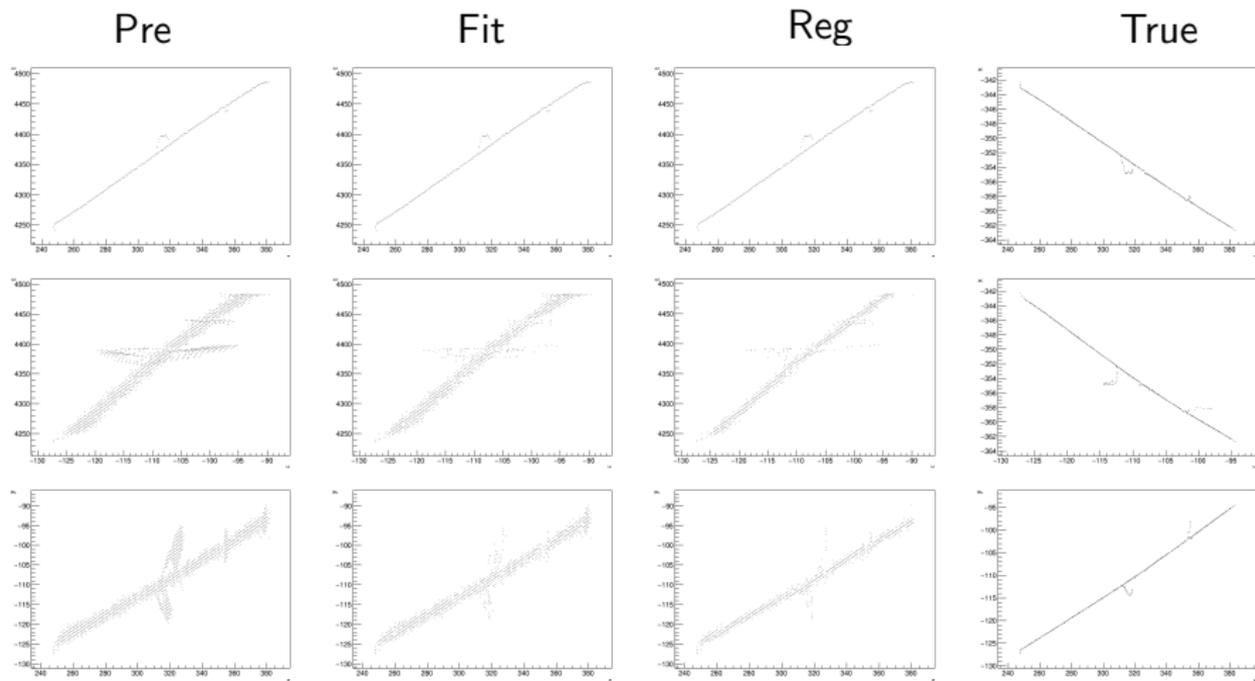
Pre

Fit

Reg

True



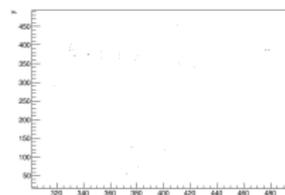
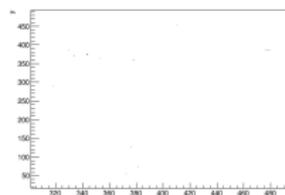
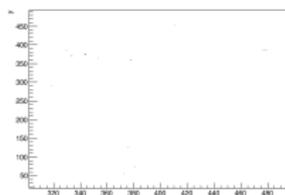
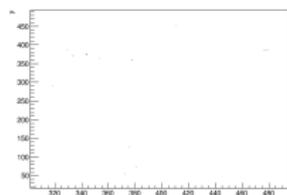
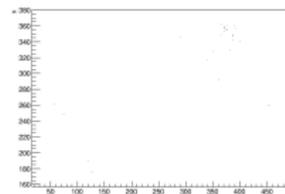
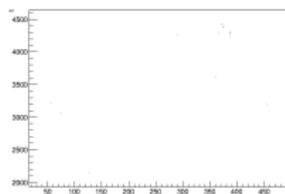
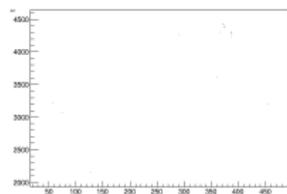
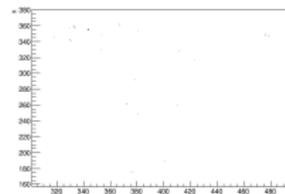
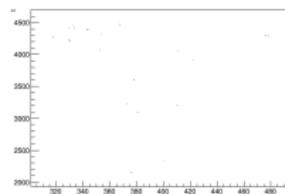
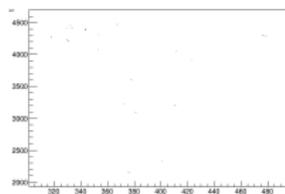
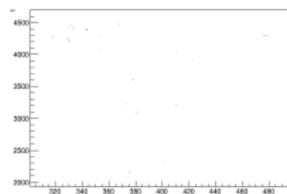


Pre

Fit

Reg

True



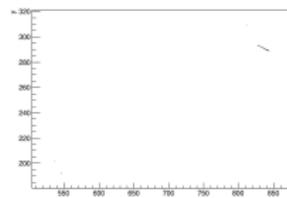
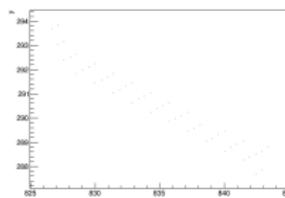
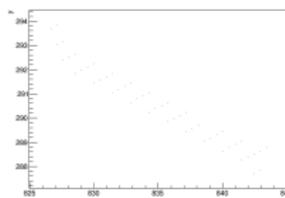
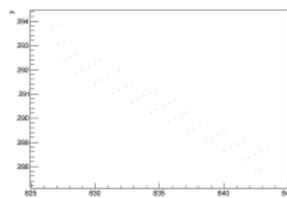
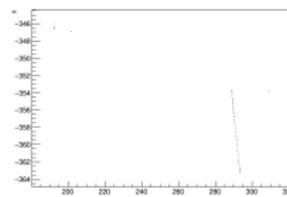
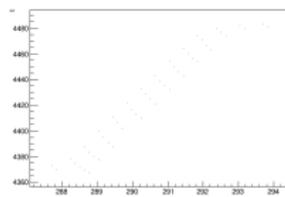
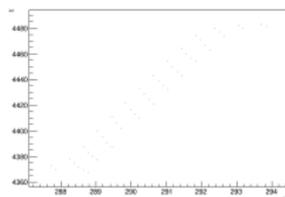
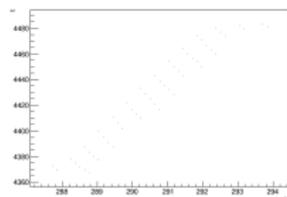
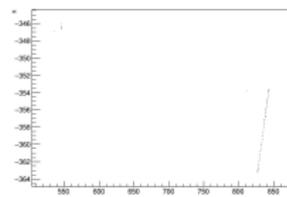
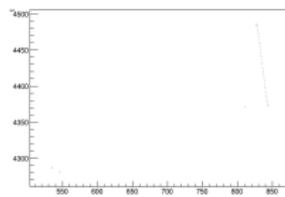
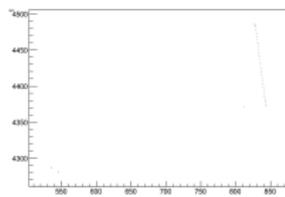
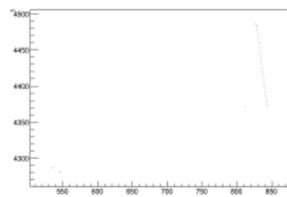
2394

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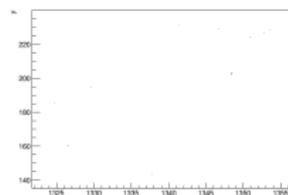
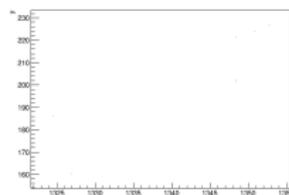
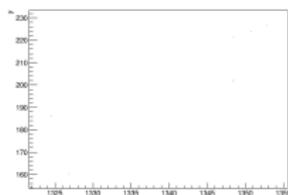
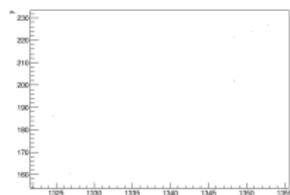
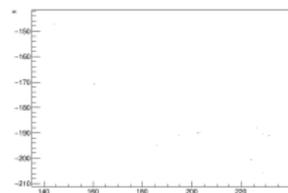
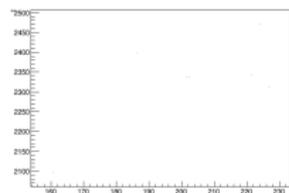
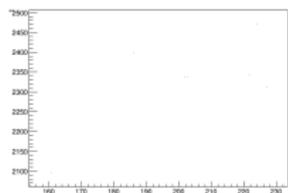
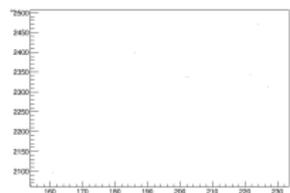
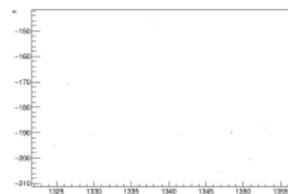
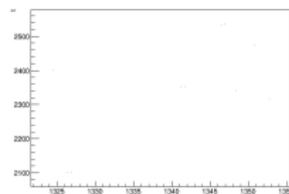
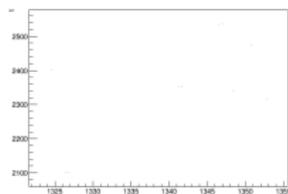
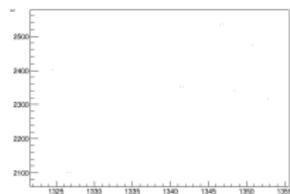


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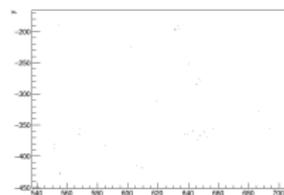
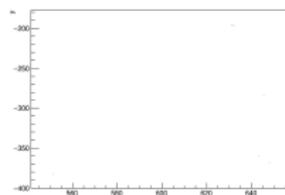
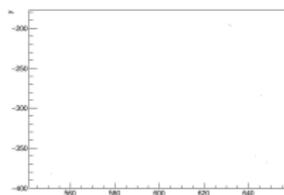
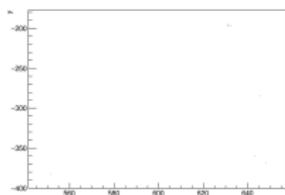
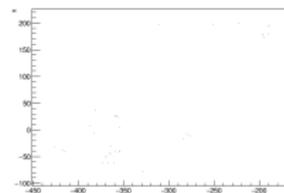
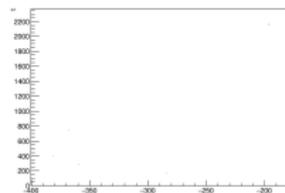
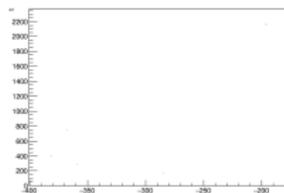
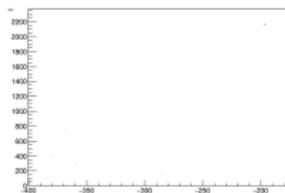
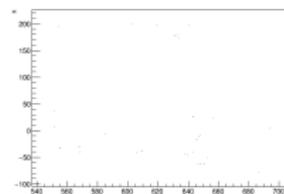
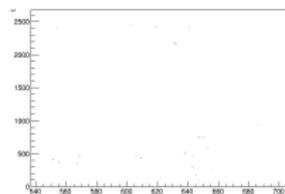
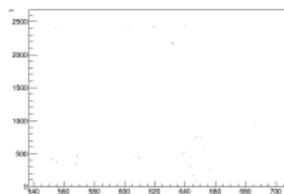
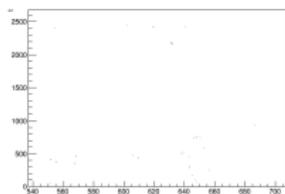
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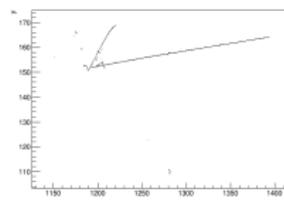
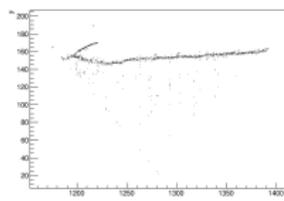
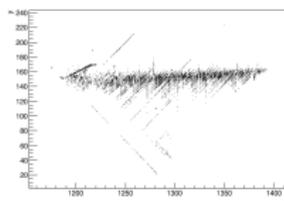
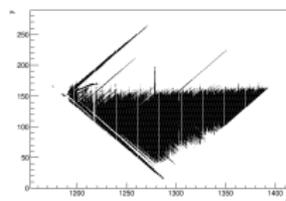
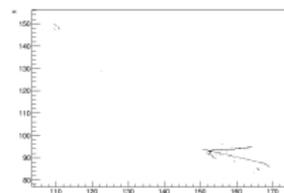
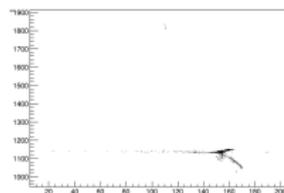
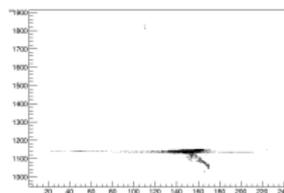
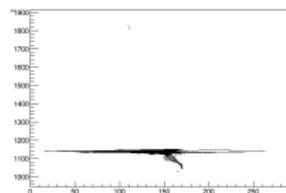
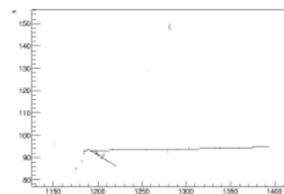
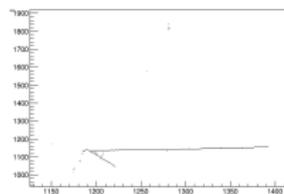
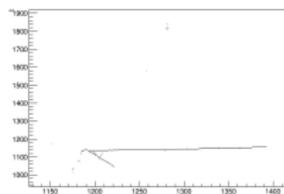
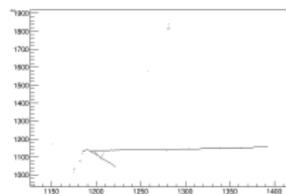


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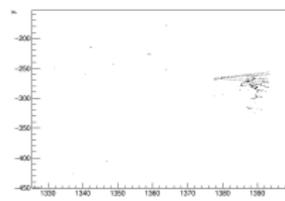
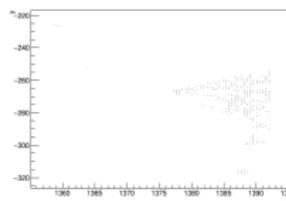
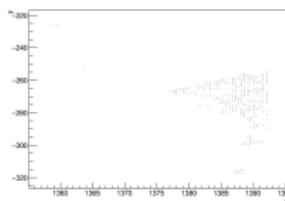
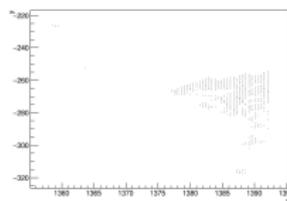
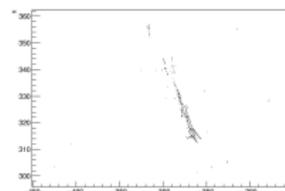
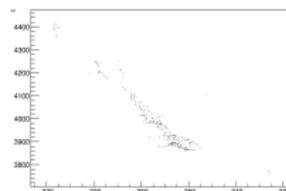
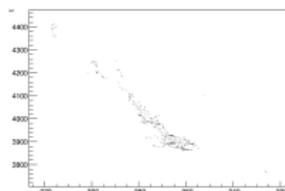
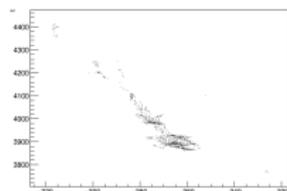
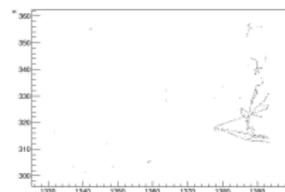
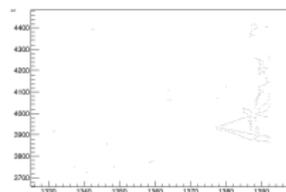
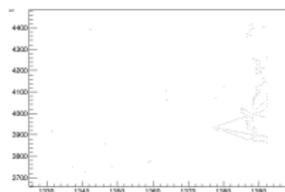
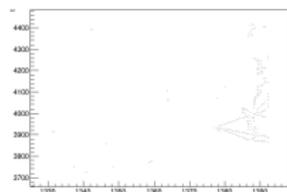


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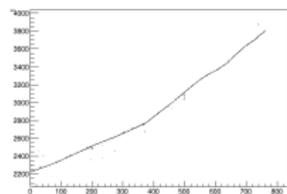
Fit

Reg

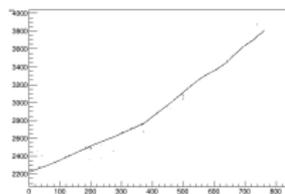
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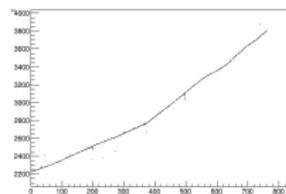
Pre



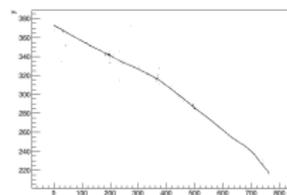
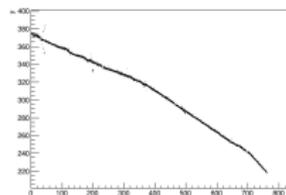
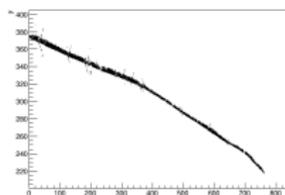
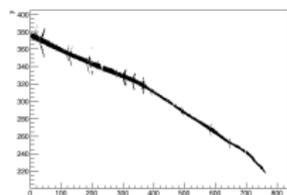
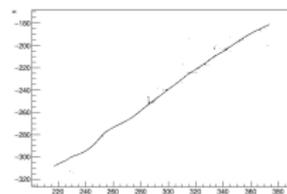
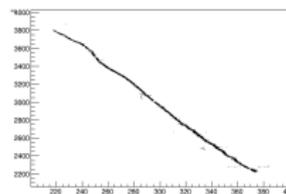
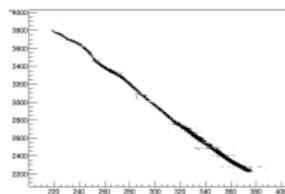
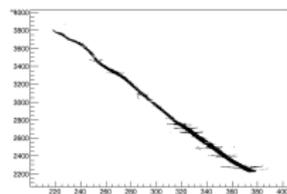
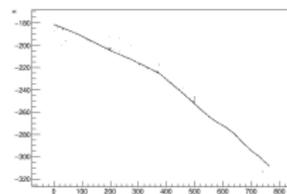
Fit



Reg



True



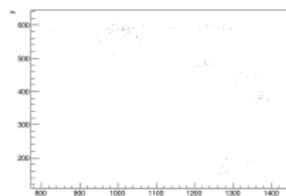
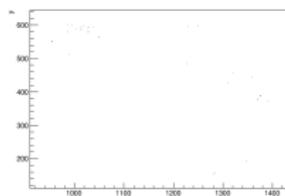
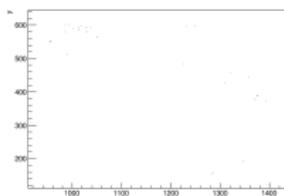
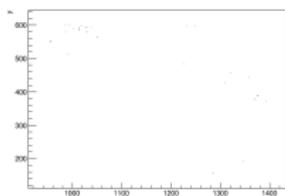
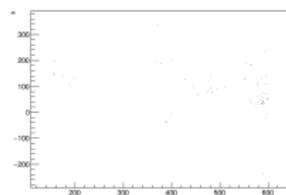
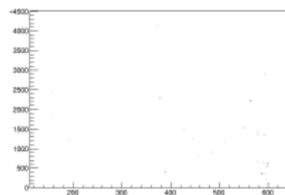
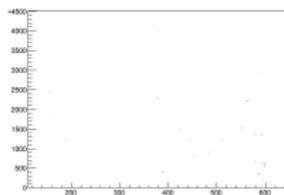
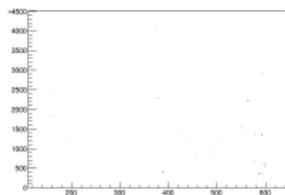
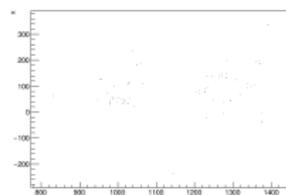
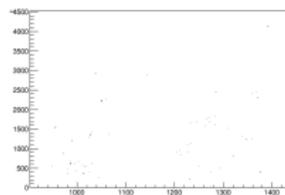
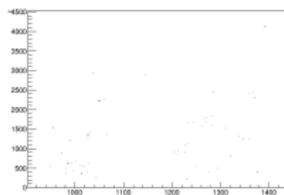
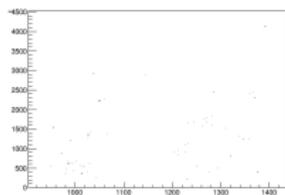
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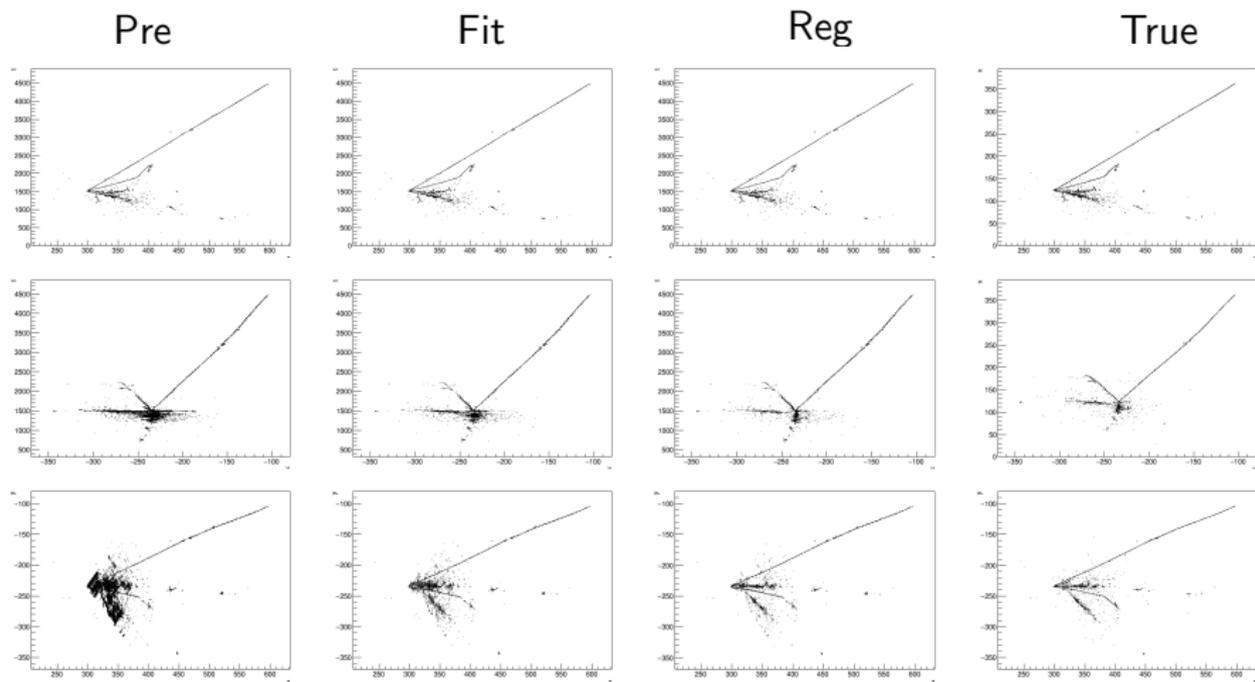
Pre

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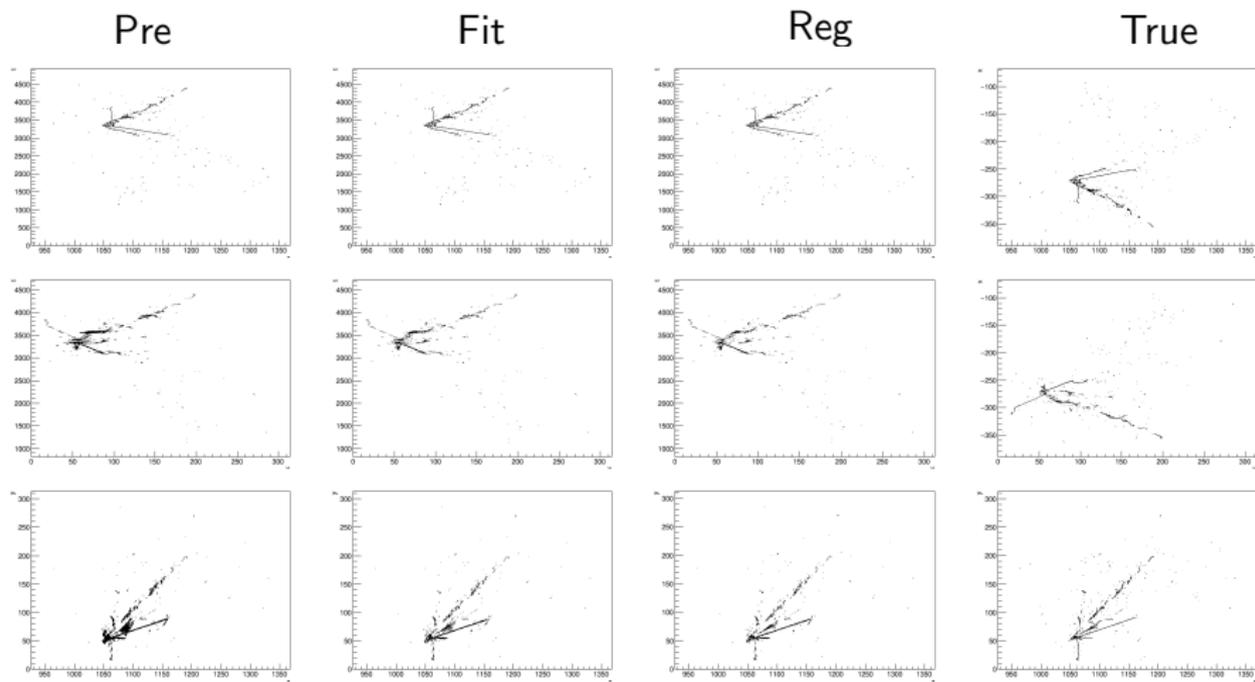
Reg

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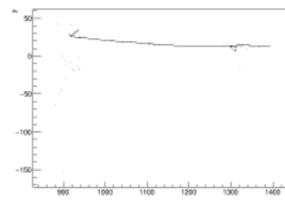
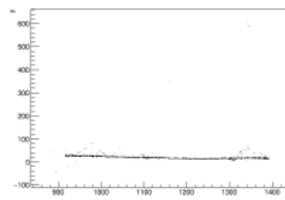
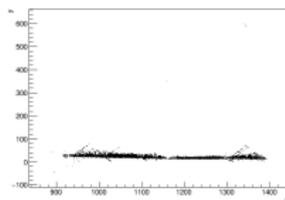
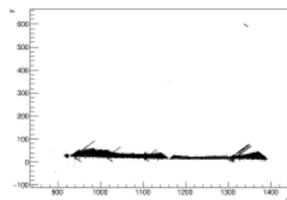
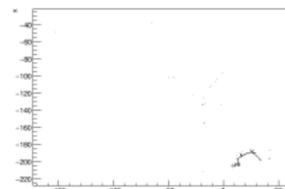
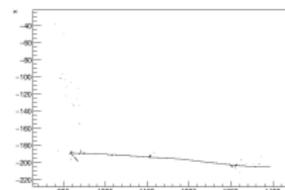
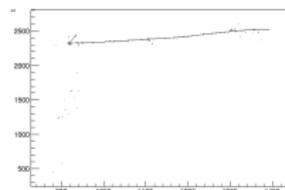
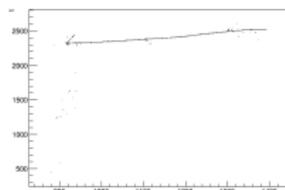
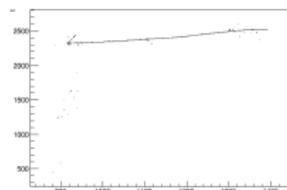


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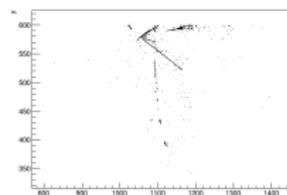
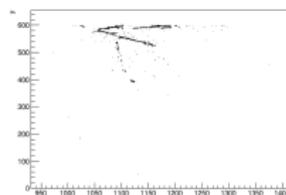
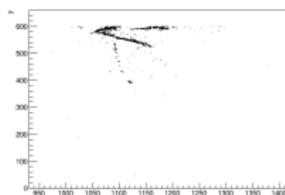
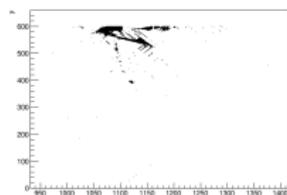
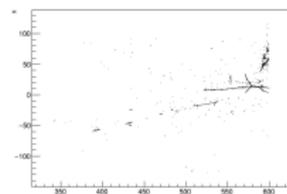
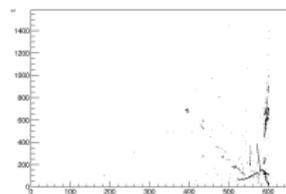
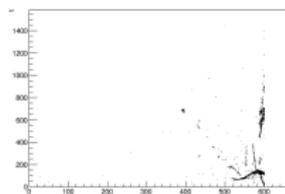
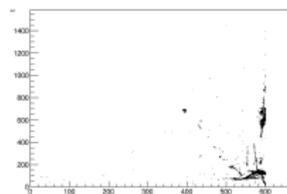
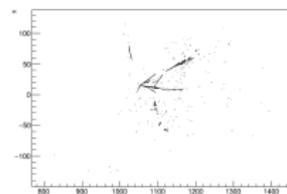
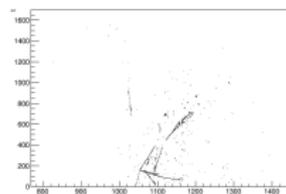
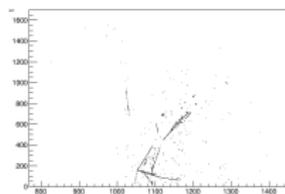
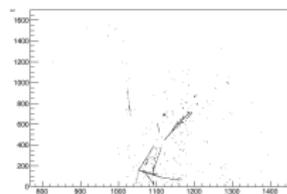
3404

Pre

Fit

Reg

True

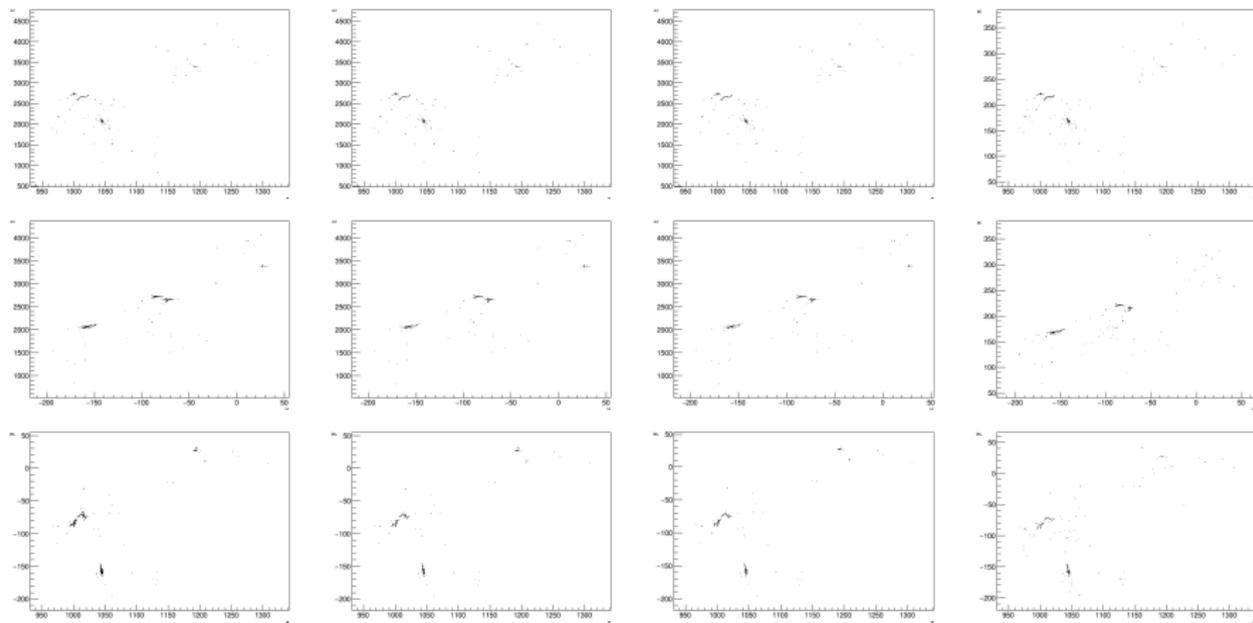


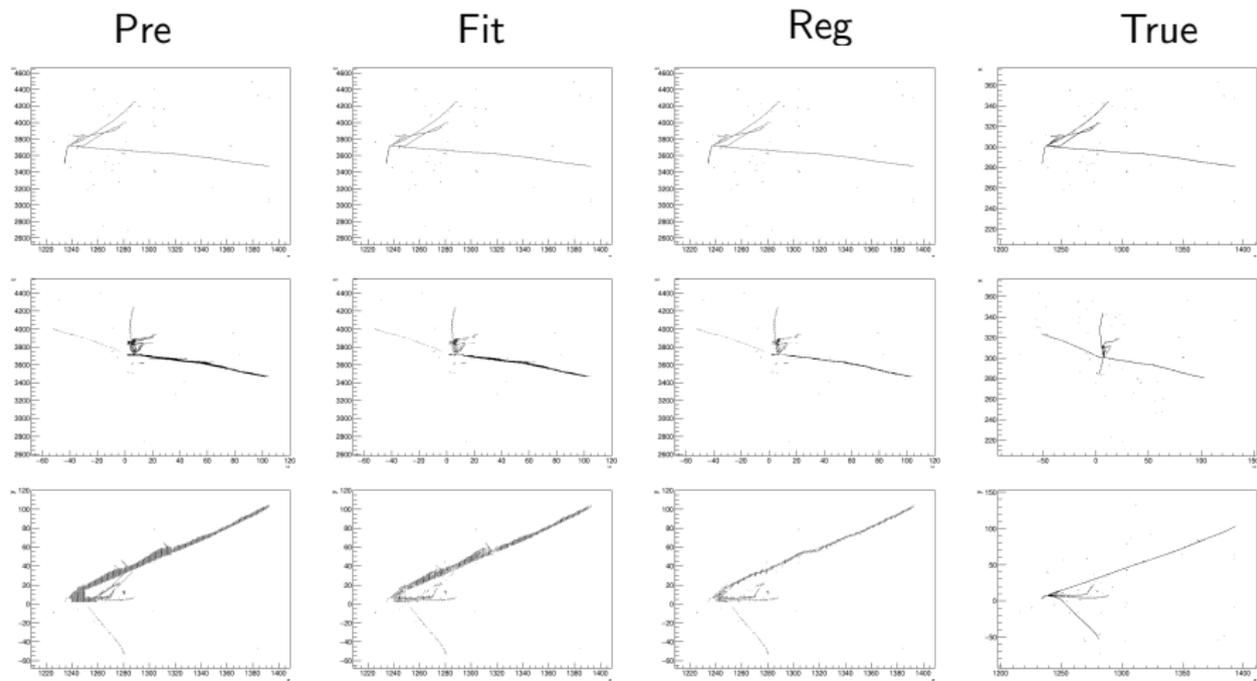
Pre

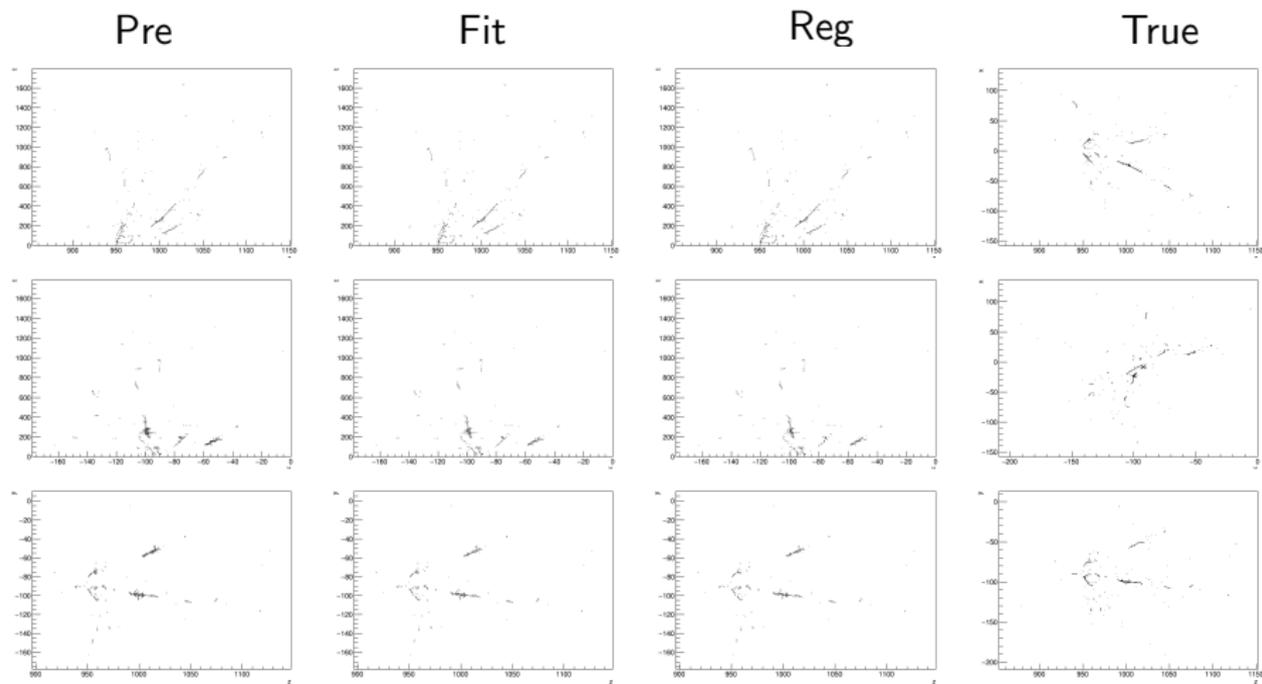
Fit

Reg

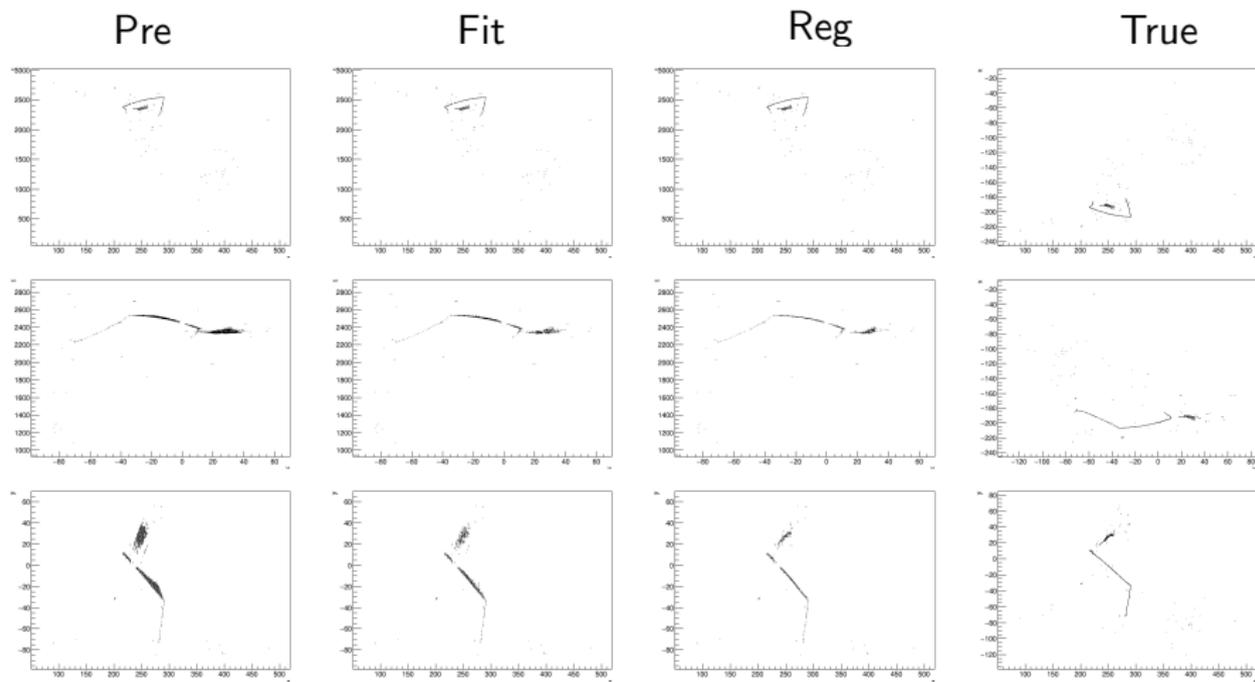
True







3408



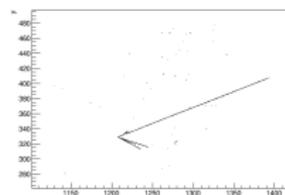
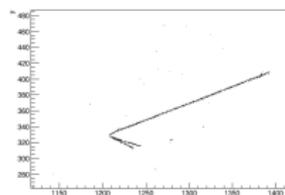
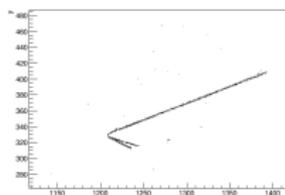
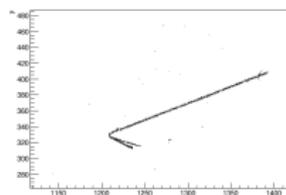
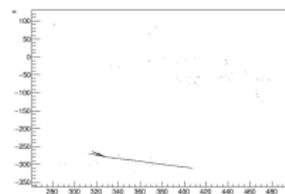
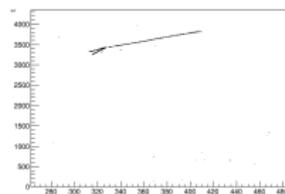
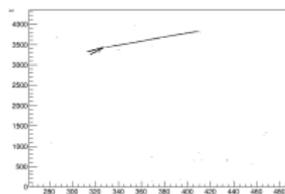
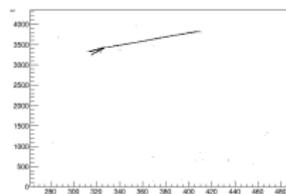
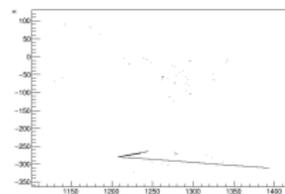
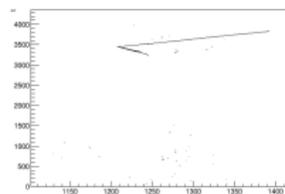
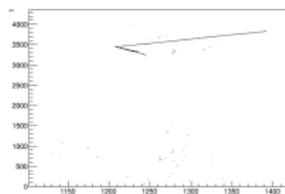
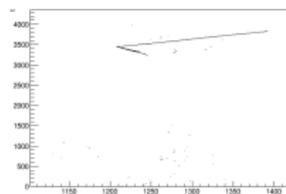
3409

Pre

Fit

Reg

True



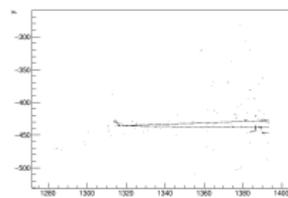
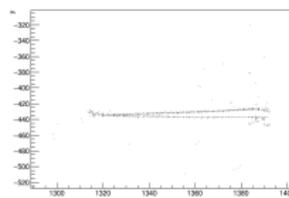
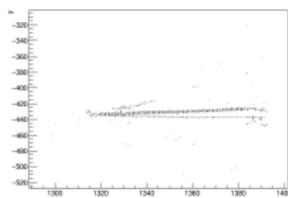
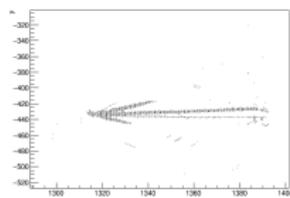
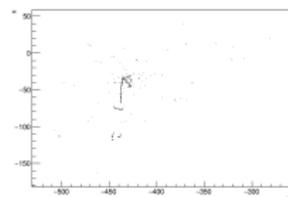
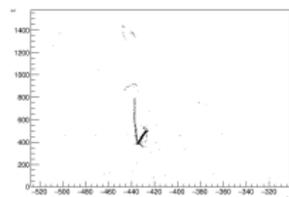
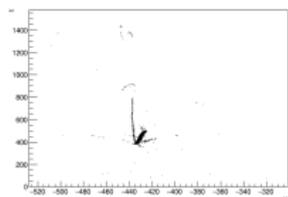
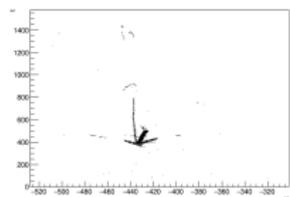
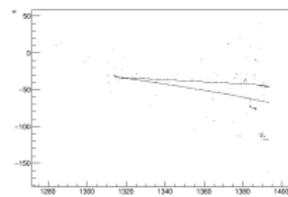
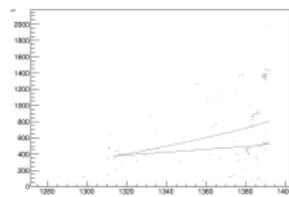
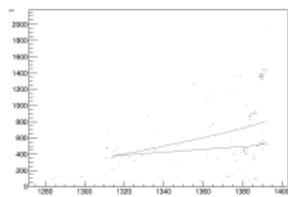
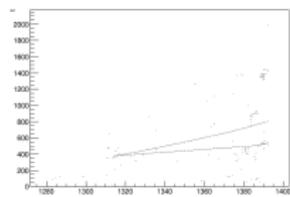
3410

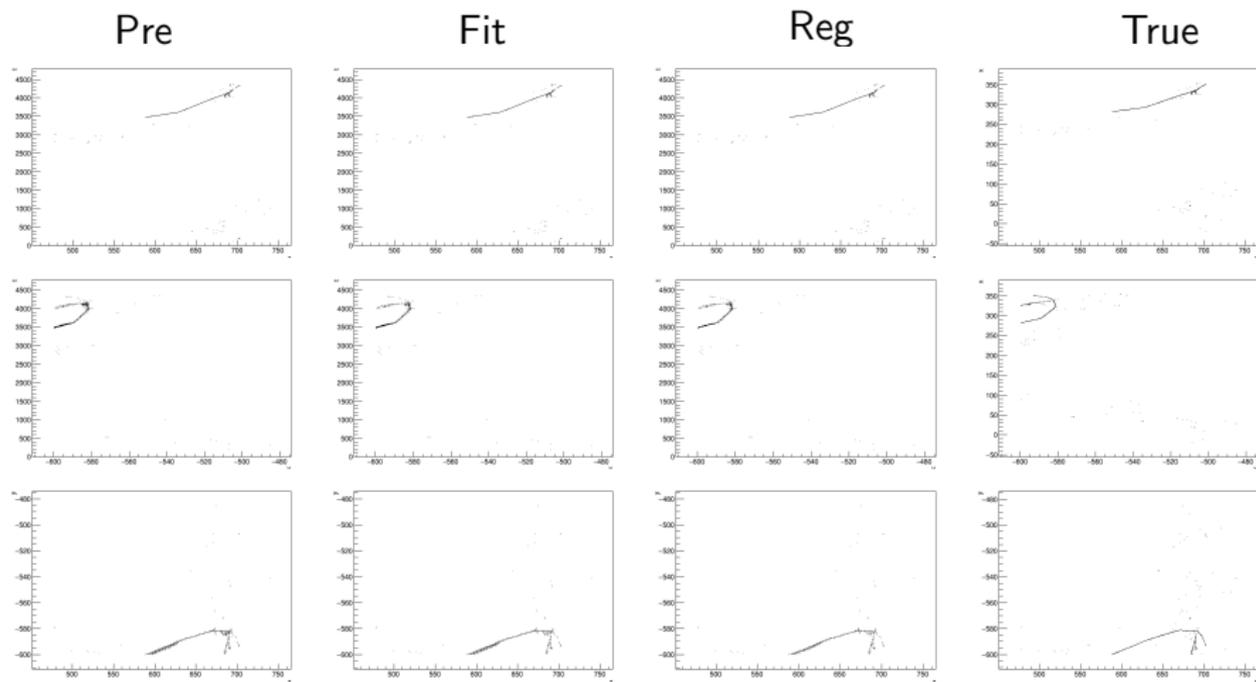
Pre

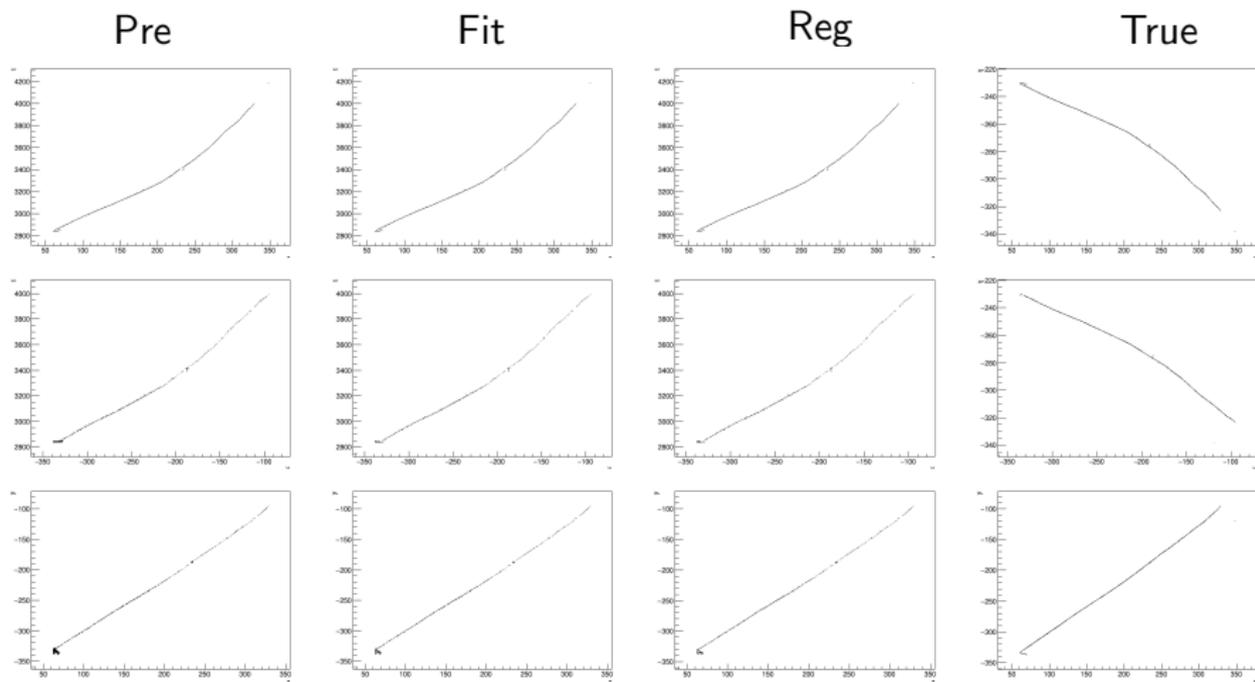
Fit

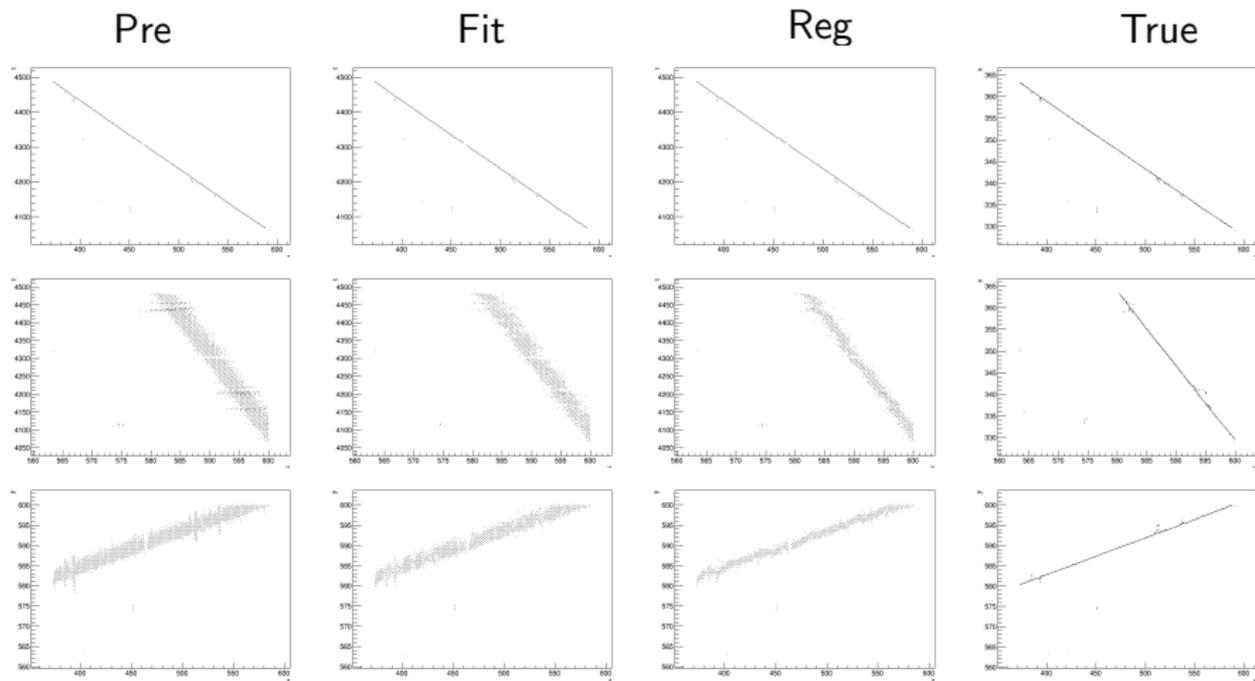
Reg

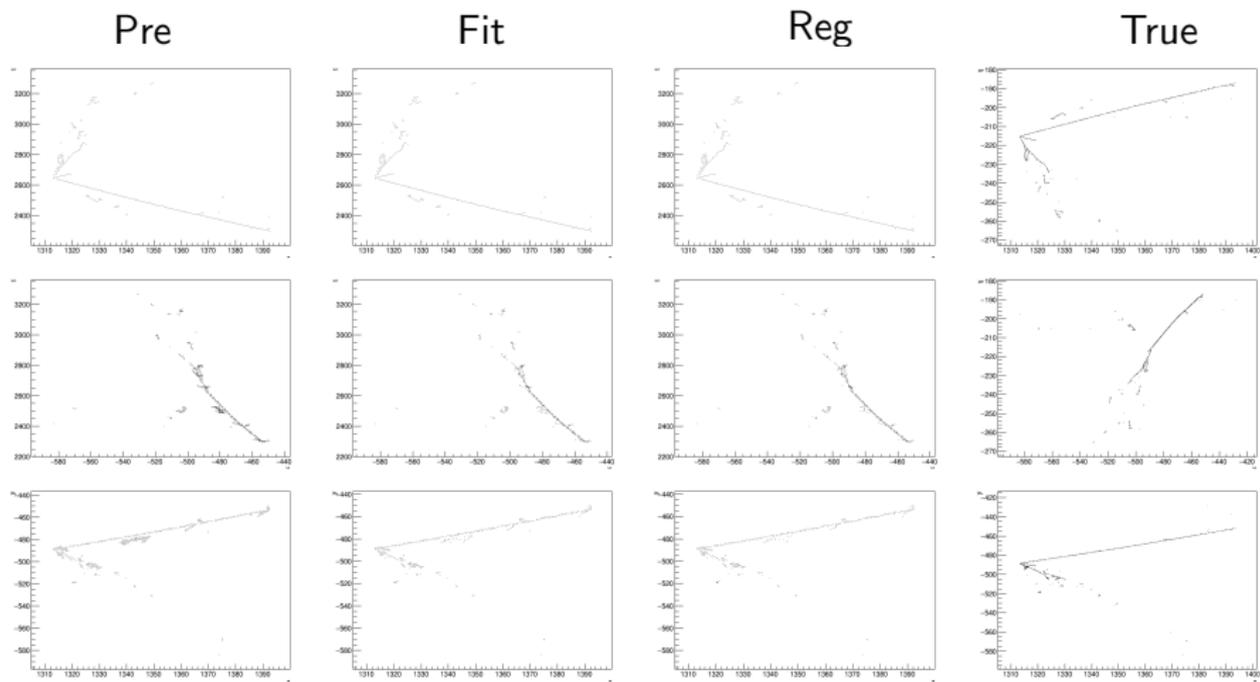
True

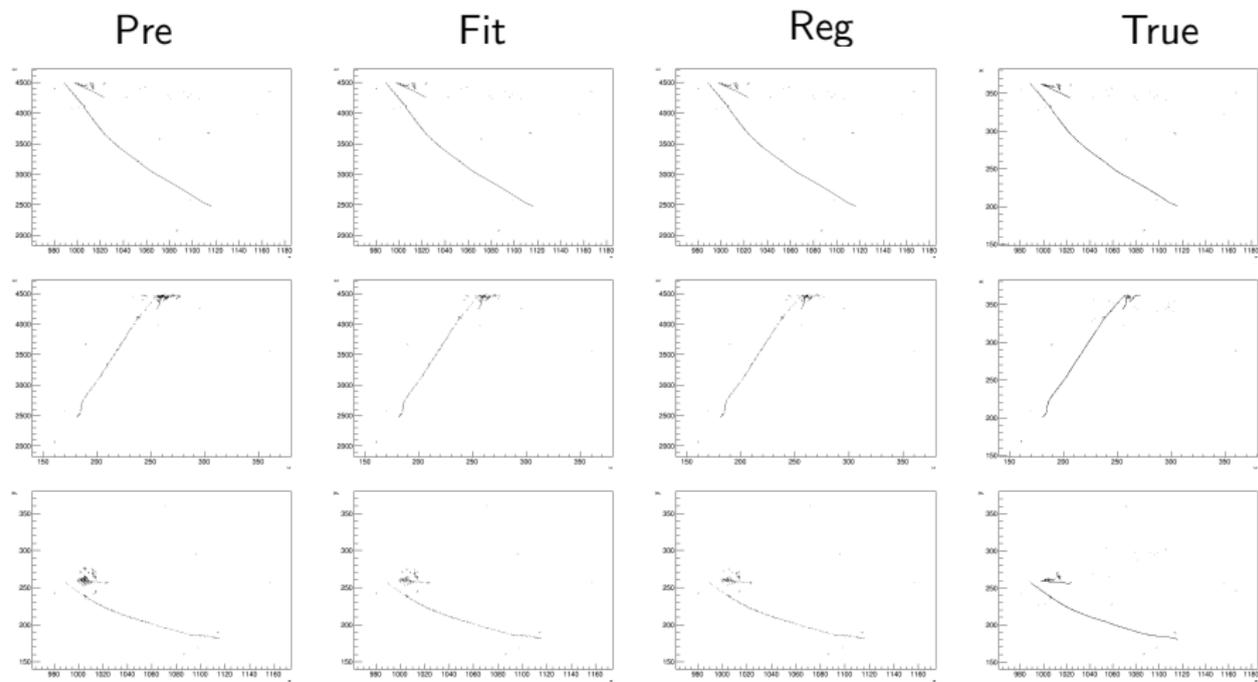












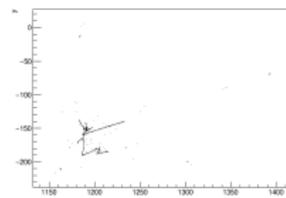
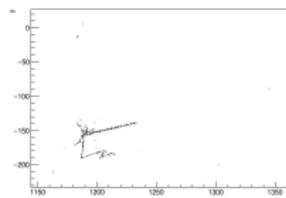
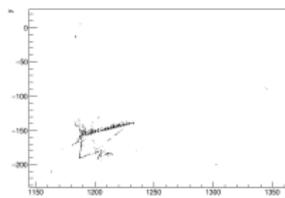
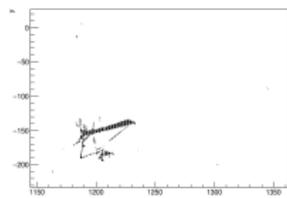
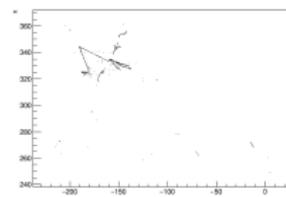
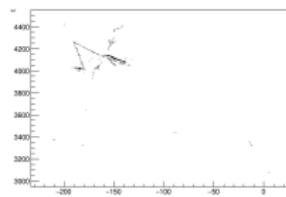
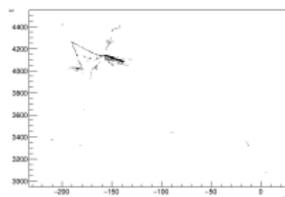
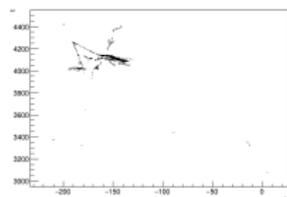
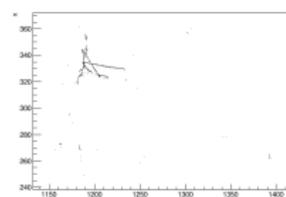
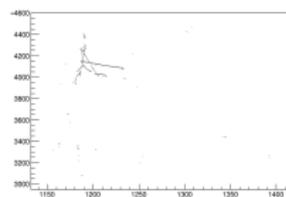
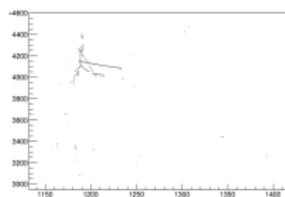
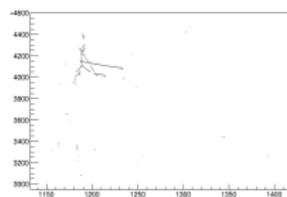
3416

Pre

Fit

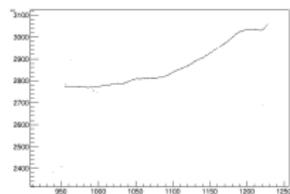
Reg

True

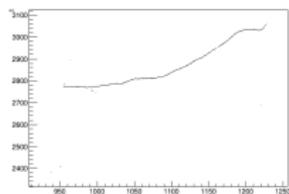


3417

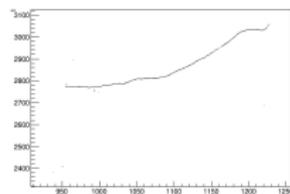
Pre



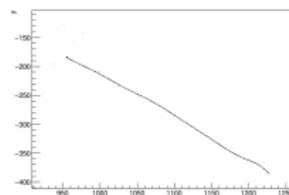
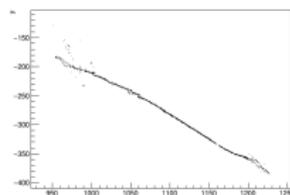
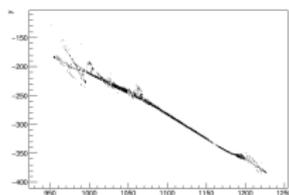
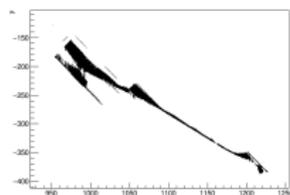
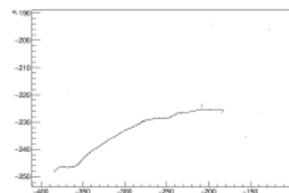
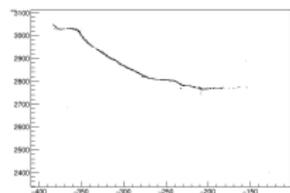
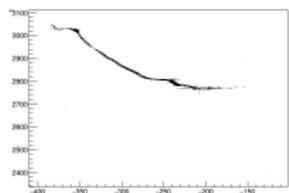
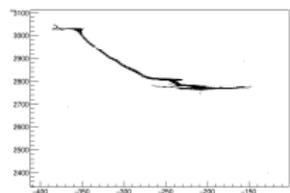
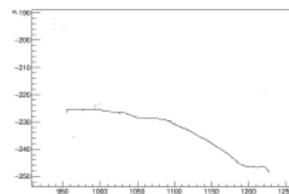
Fit



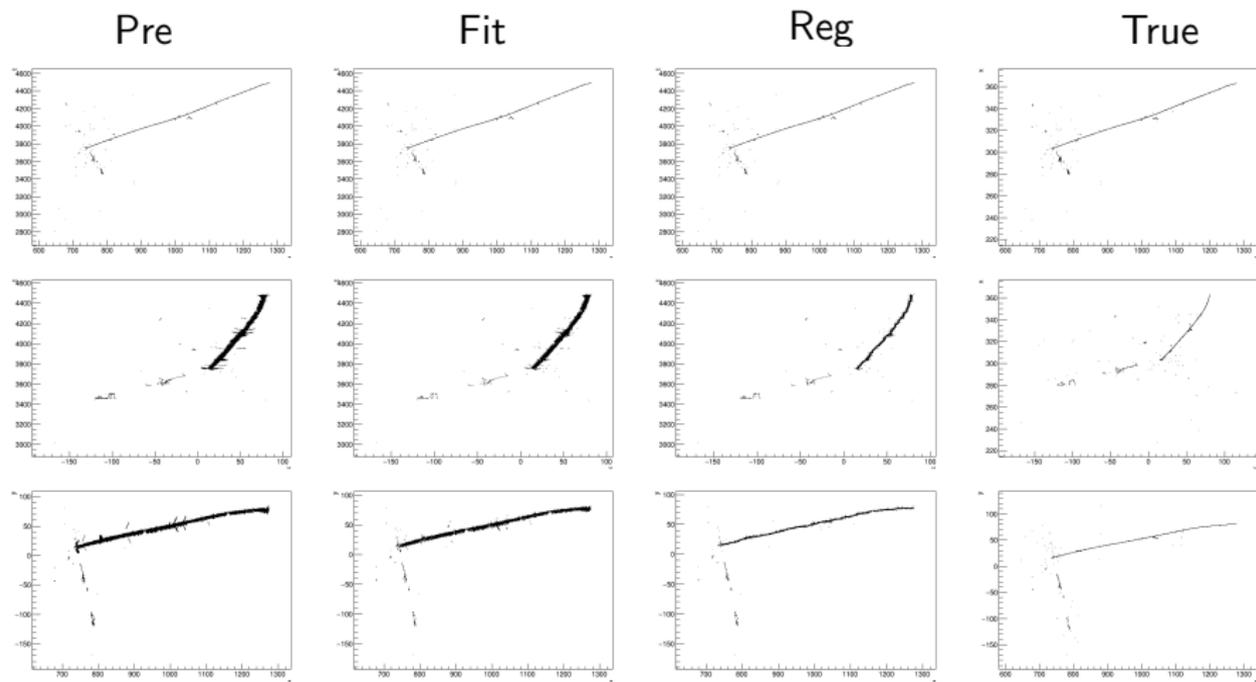
Reg



True



3418



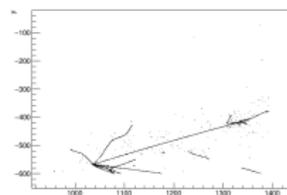
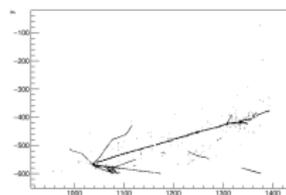
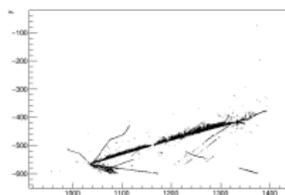
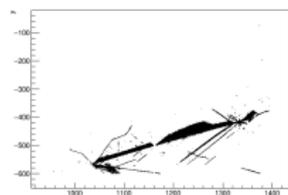
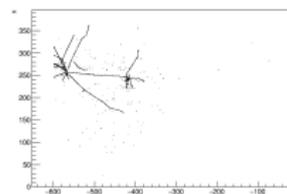
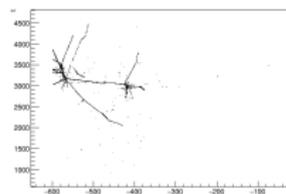
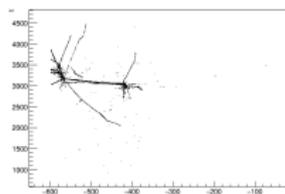
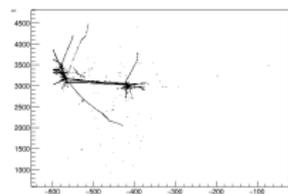
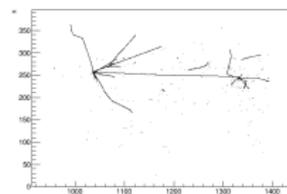
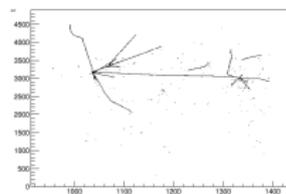
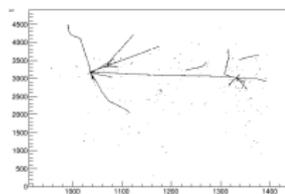
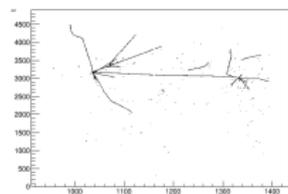
3419

Pre

Fit

Reg

True



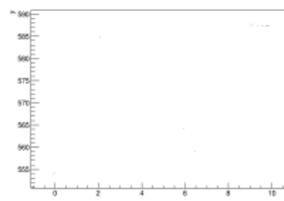
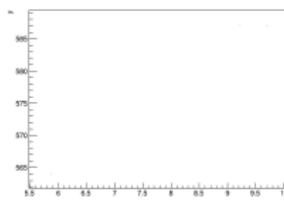
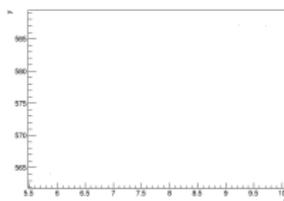
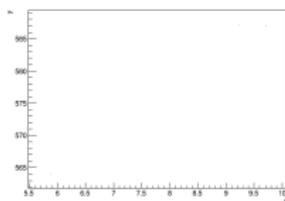
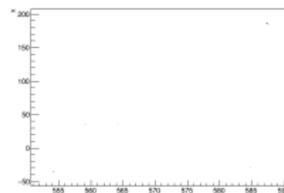
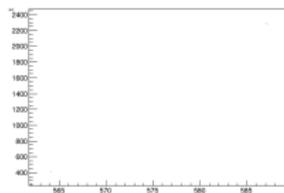
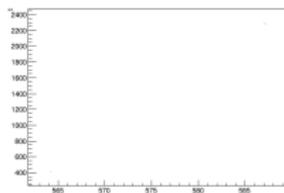
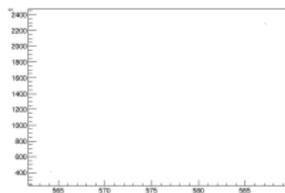
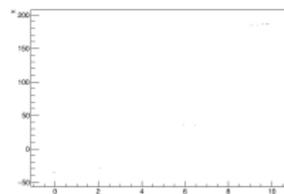
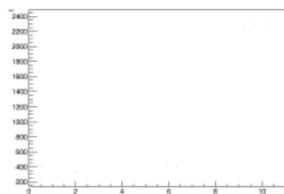
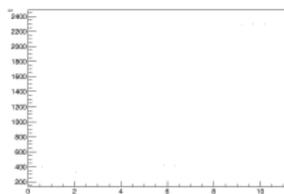
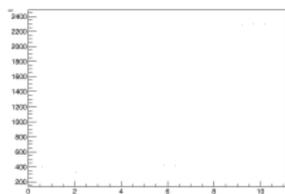
3420

Pre

Fit

Reg

True

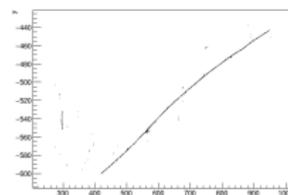
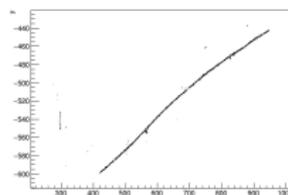
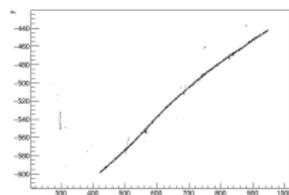
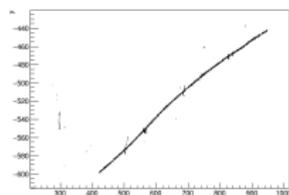
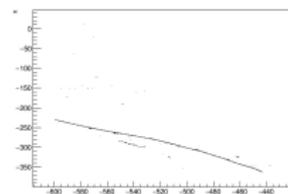
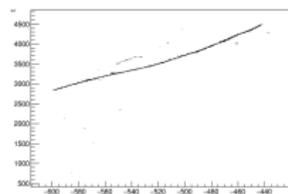
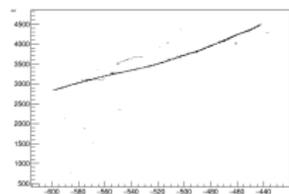
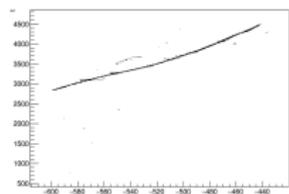
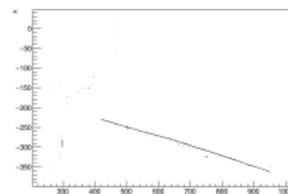
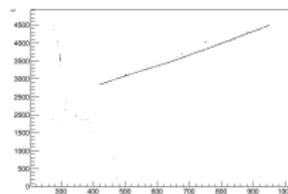
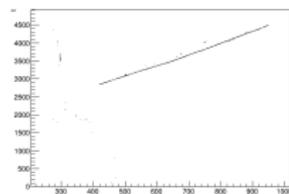
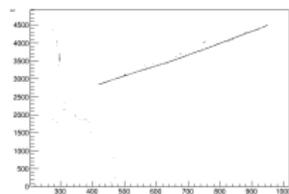


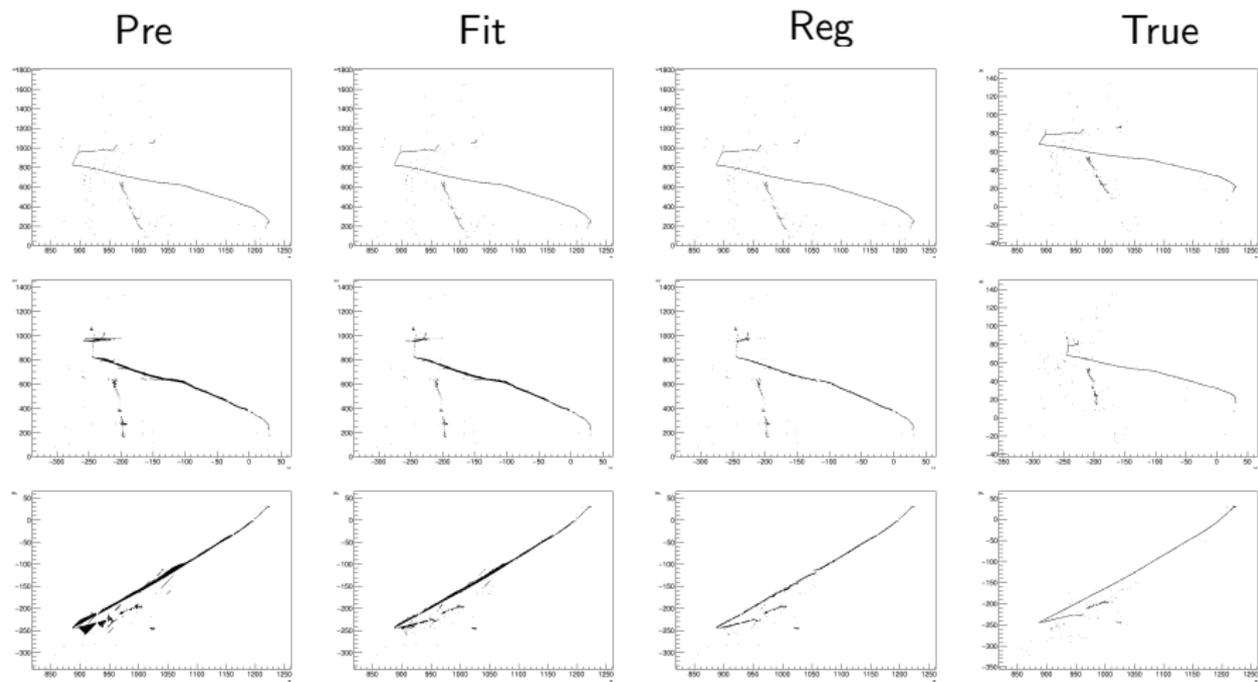
Pre

Fit

Reg

True



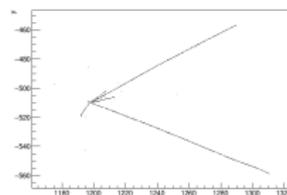
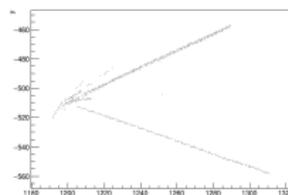
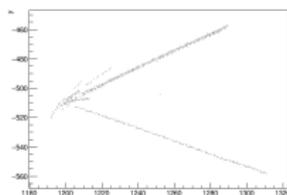
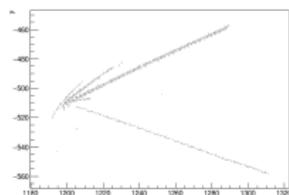
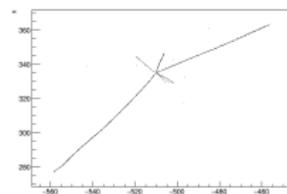
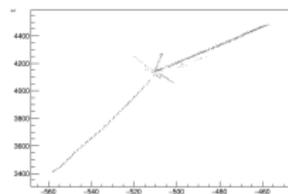
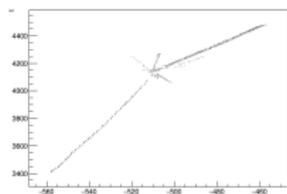
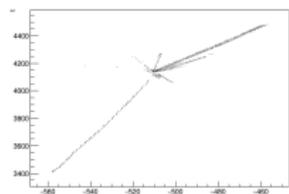
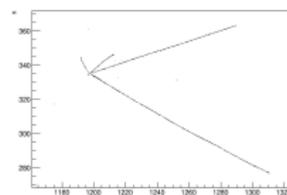
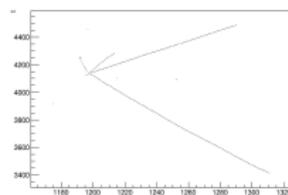
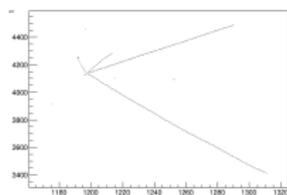
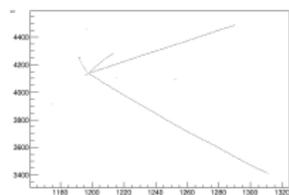


Pre

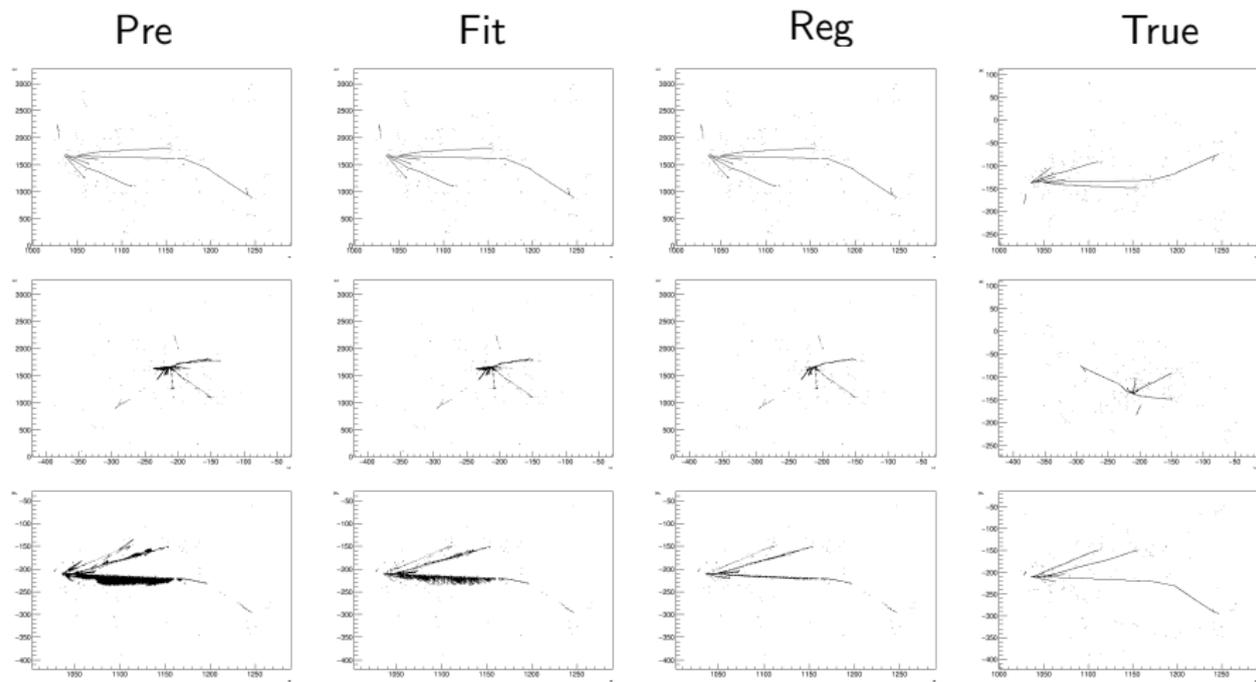
Fit

Reg

True



3424



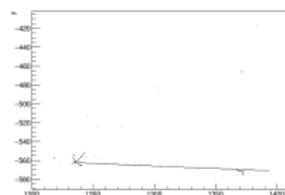
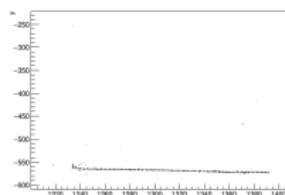
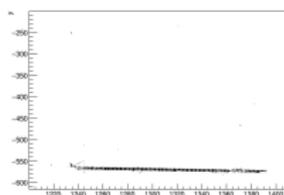
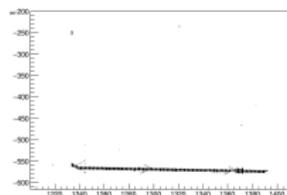
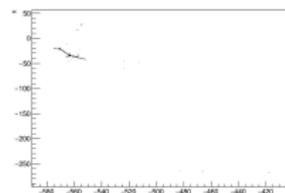
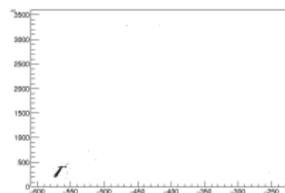
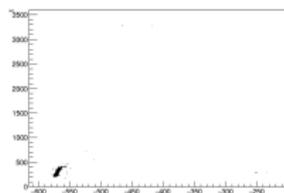
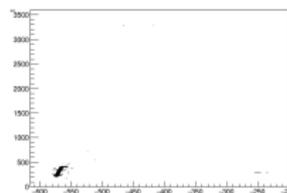
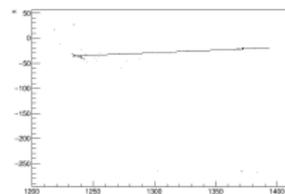
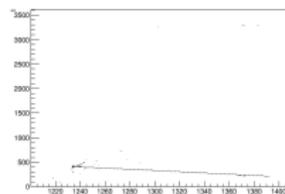
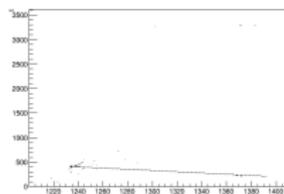
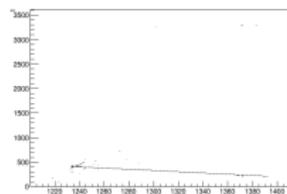
3425

Pre

Fit

Reg

True



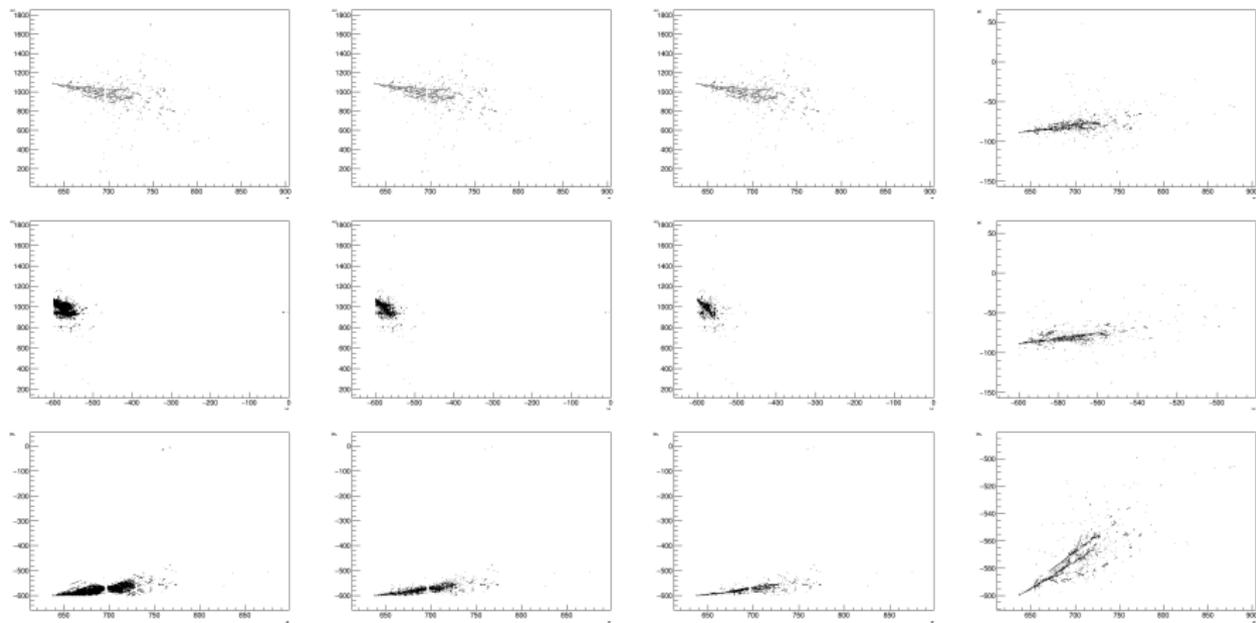
3426

Pre

Fit

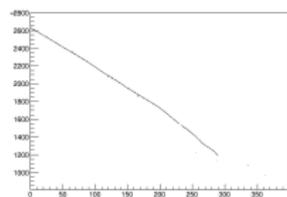
Reg

True

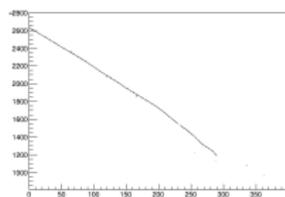


3427

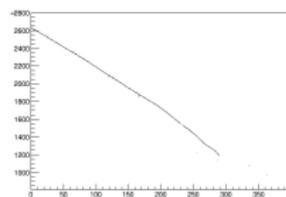
Pre



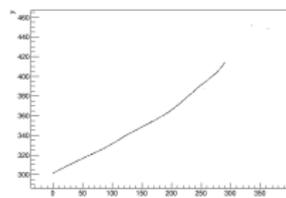
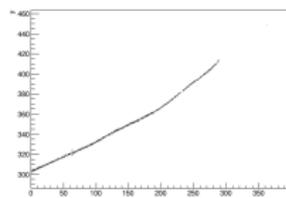
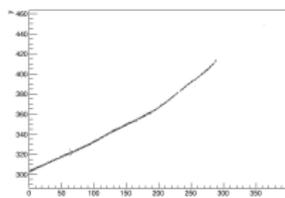
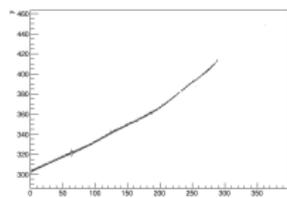
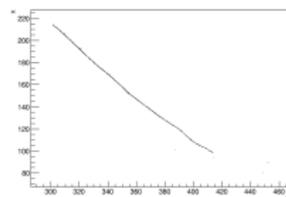
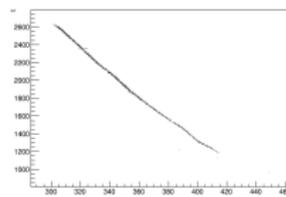
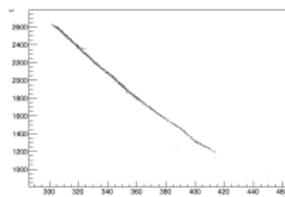
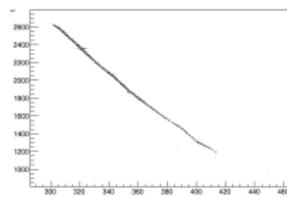
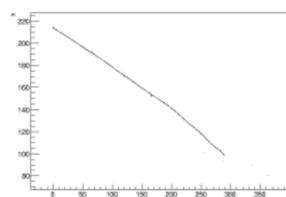
Fit



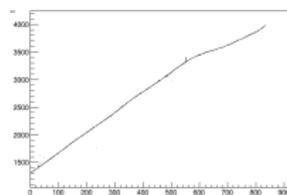
Reg



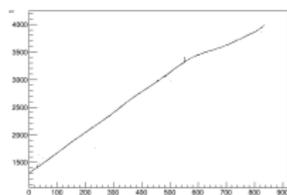
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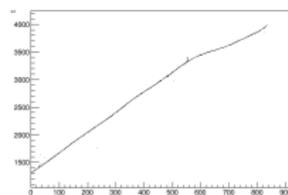
Pre



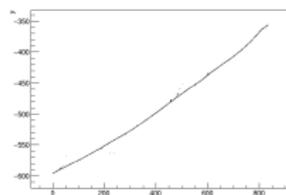
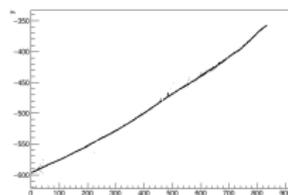
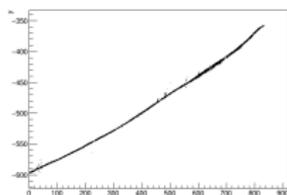
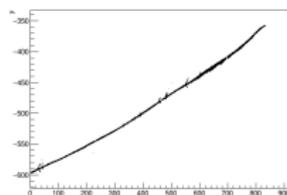
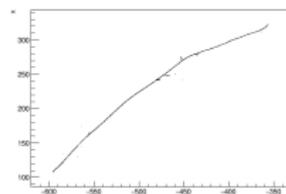
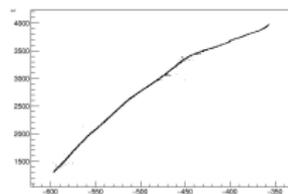
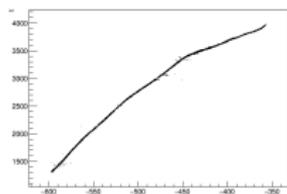
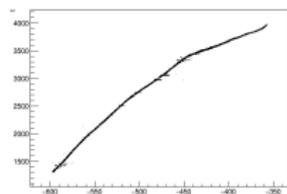
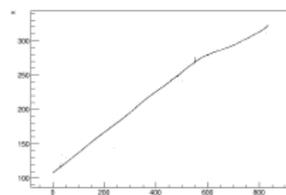
Fit



Reg



True

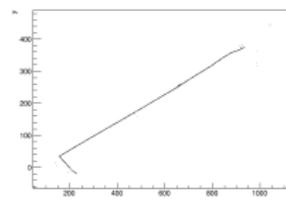
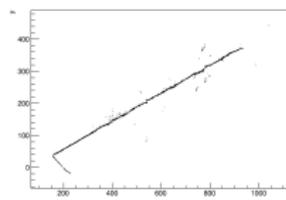
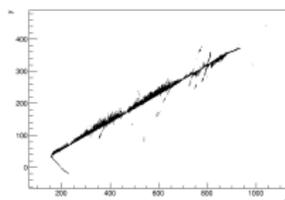
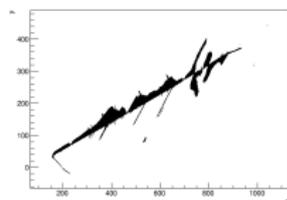
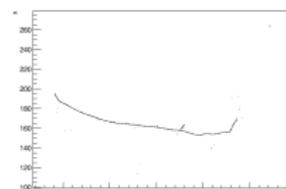
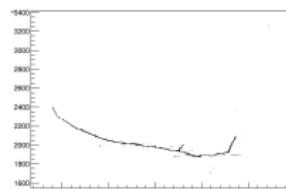
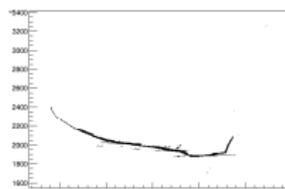
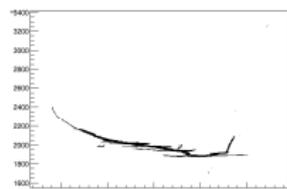
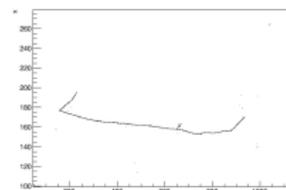
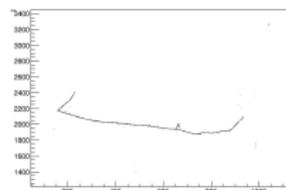
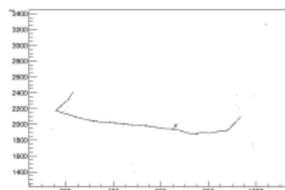
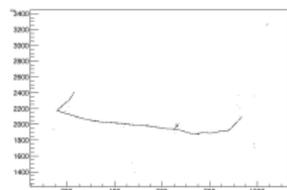


Pre

Fit

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True



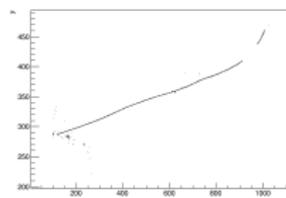
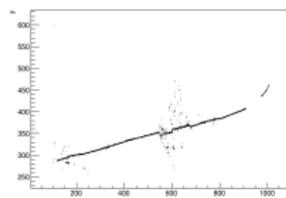
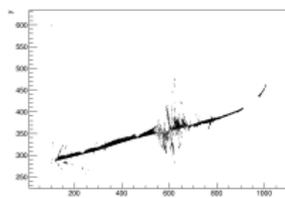
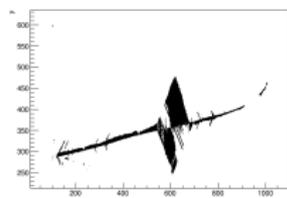
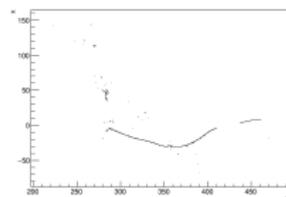
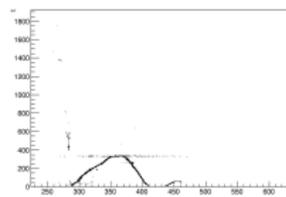
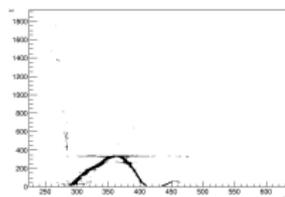
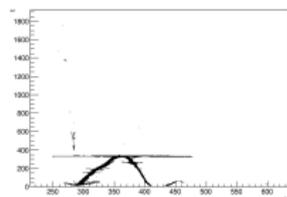
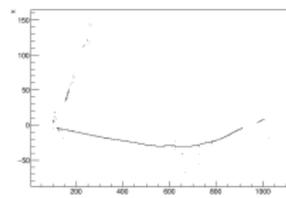
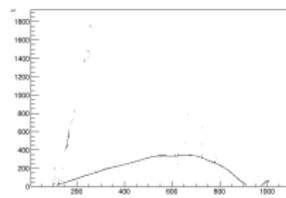
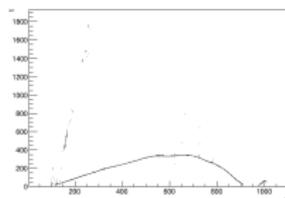
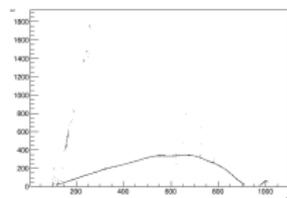
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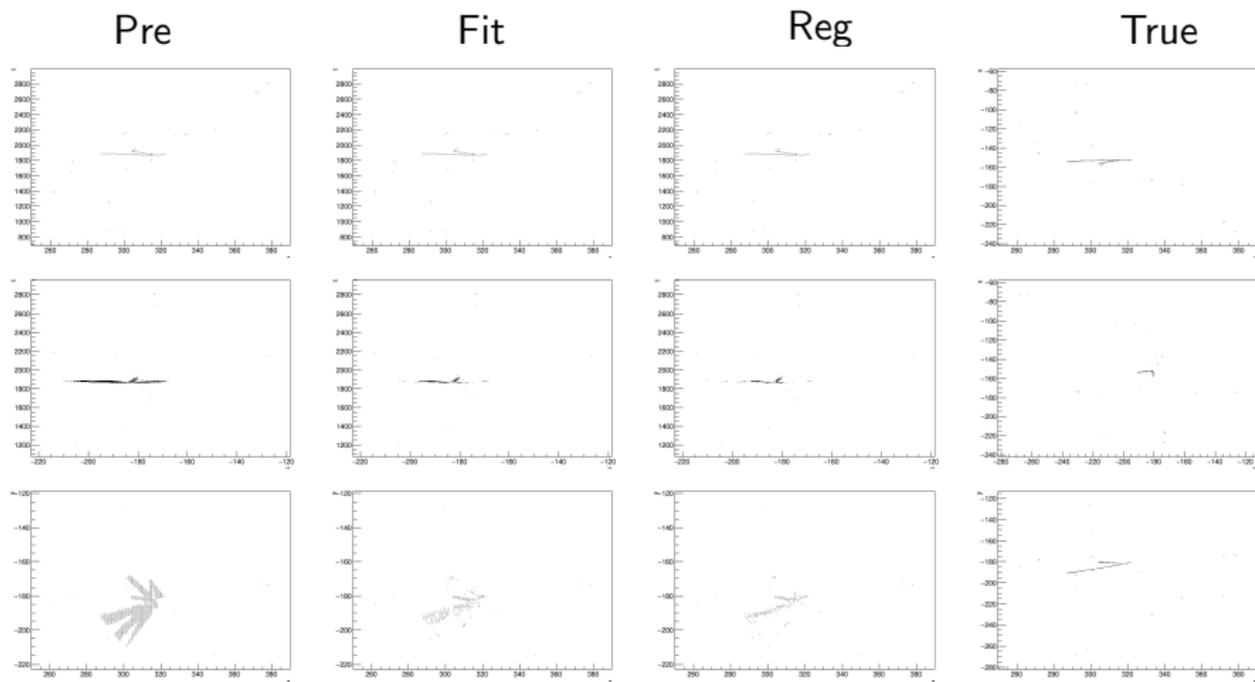
Pre

Fit

Reg

True





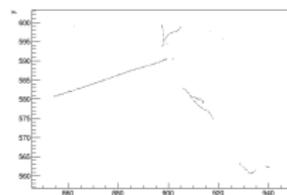
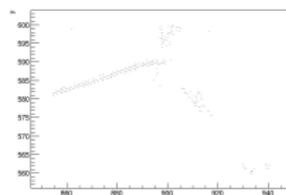
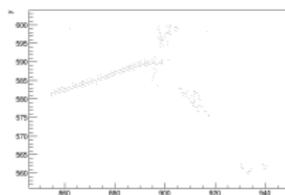
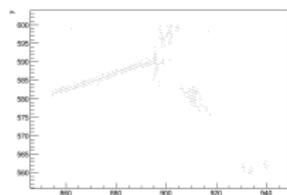
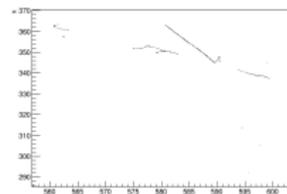
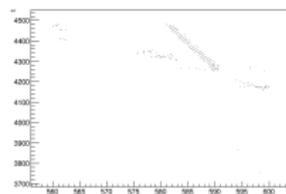
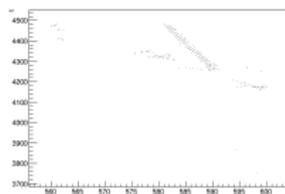
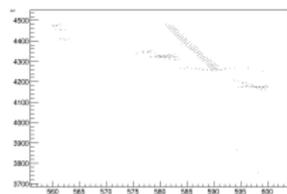
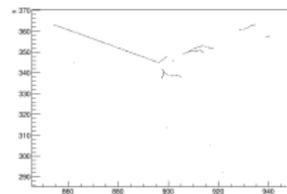
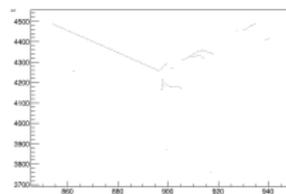
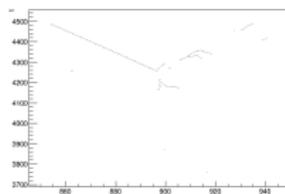
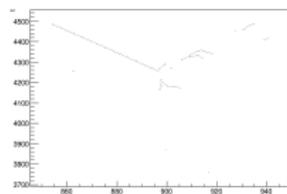
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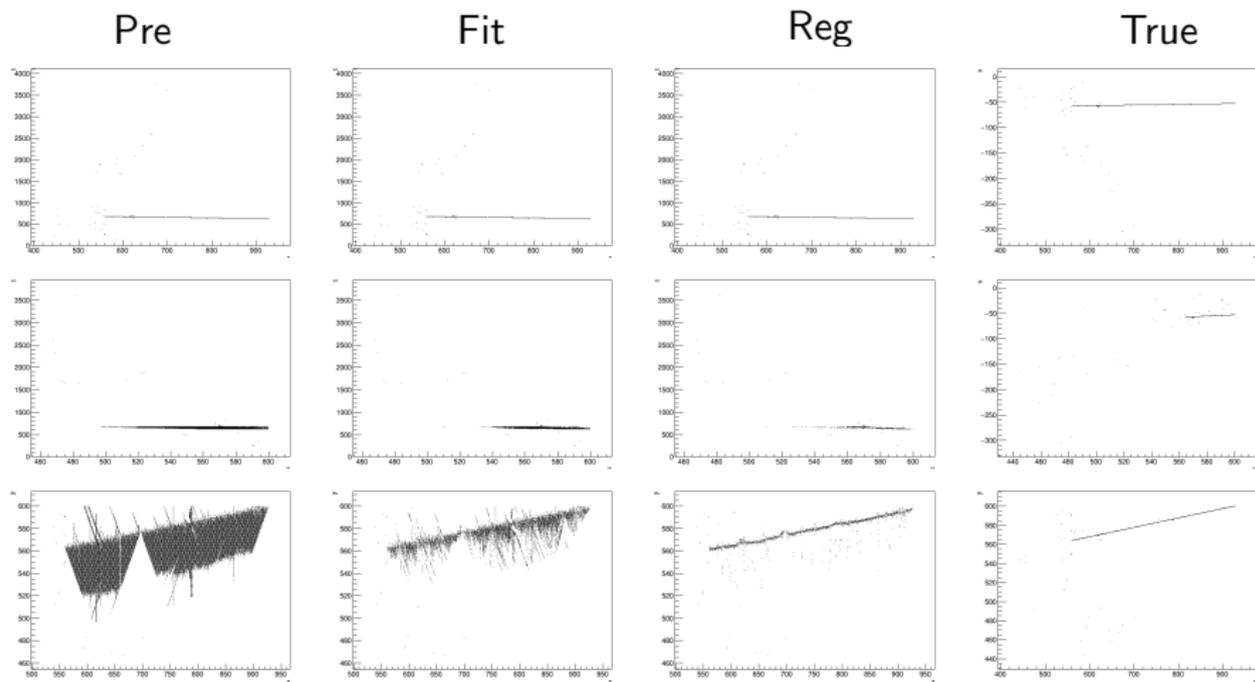
Fit

Reg

True



3433

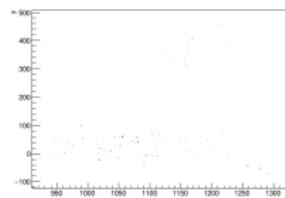
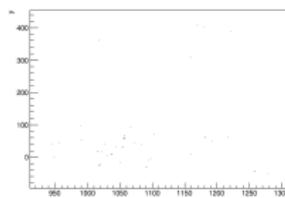
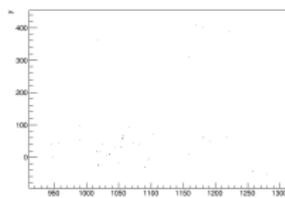
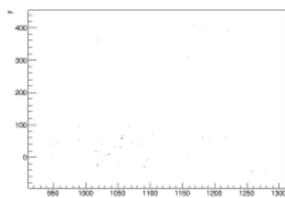
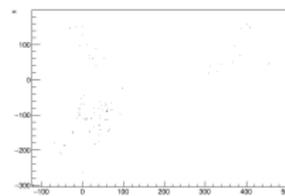
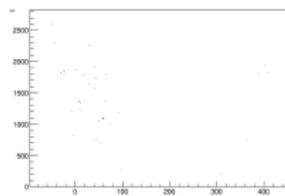
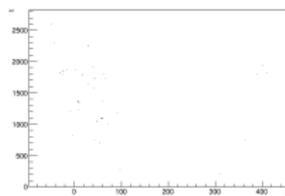
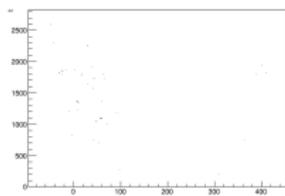
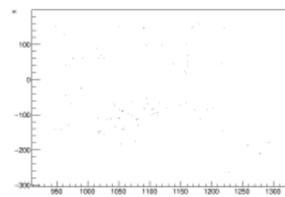
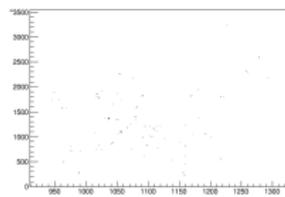
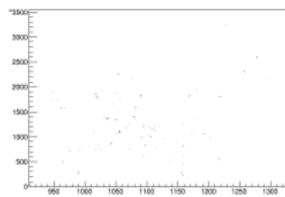
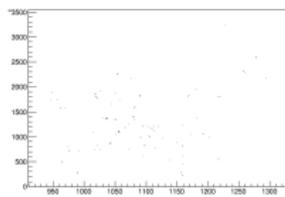


Pre

Fit

Reg

True



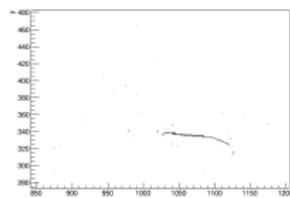
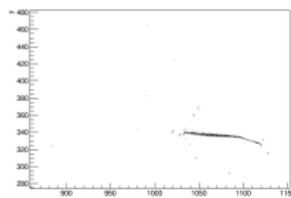
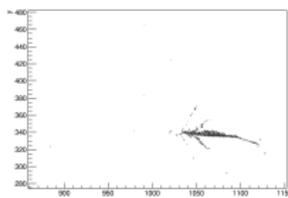
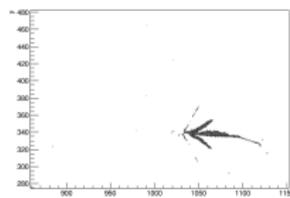
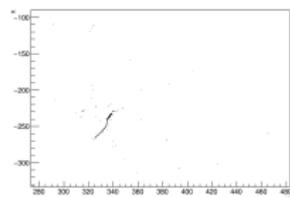
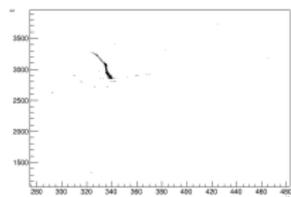
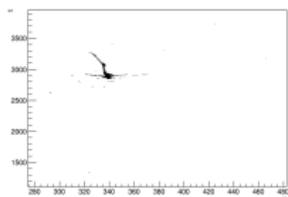
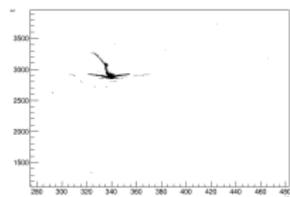
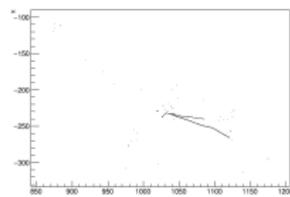
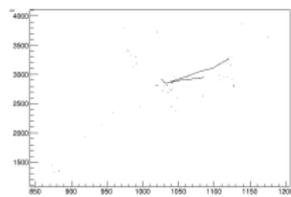
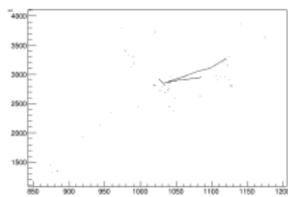
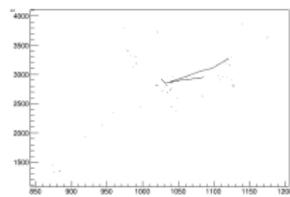
3435

Pre

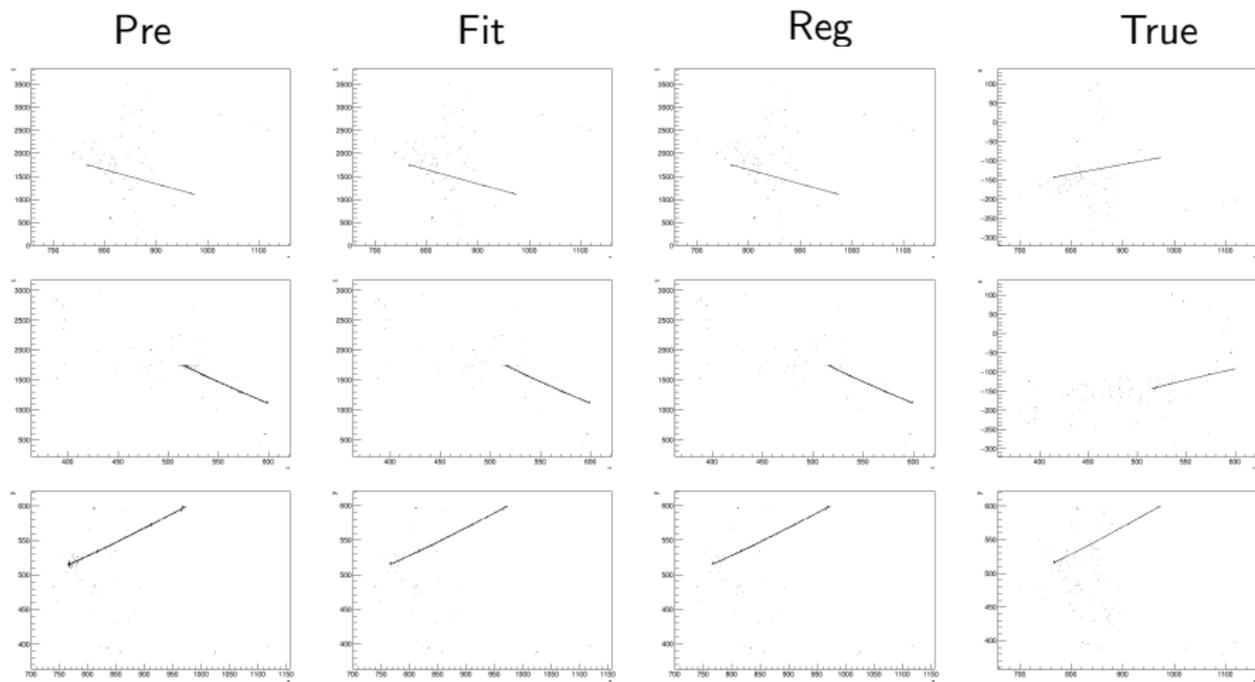
Fit

Reg

True



3436



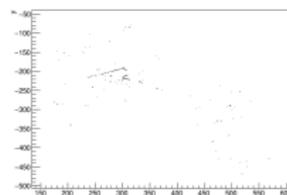
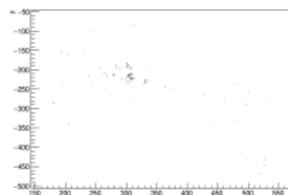
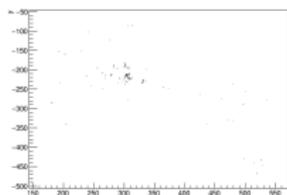
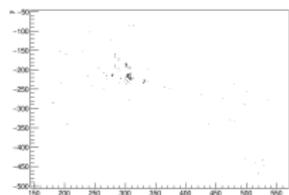
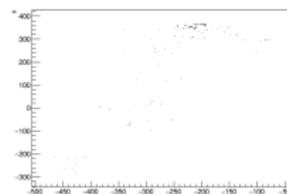
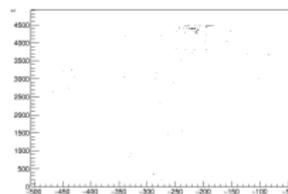
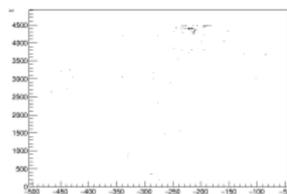
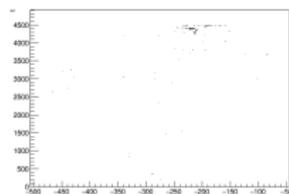
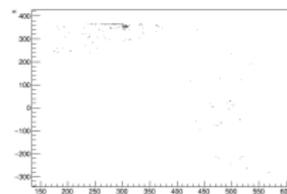
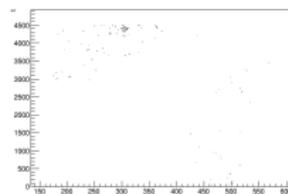
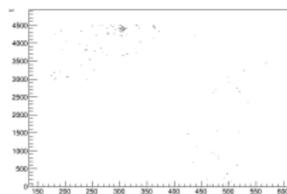
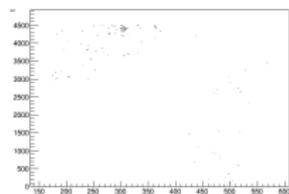
3437

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True

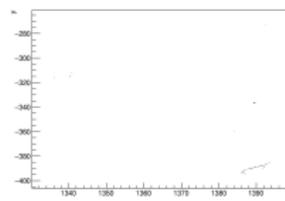
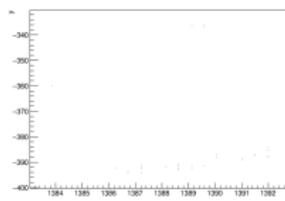
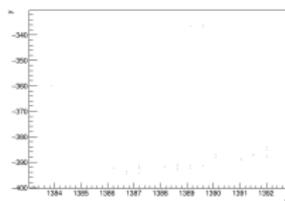
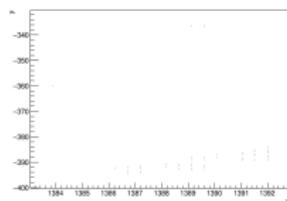
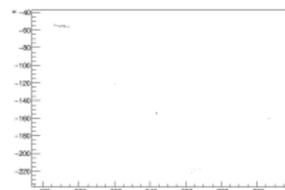
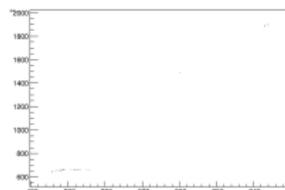
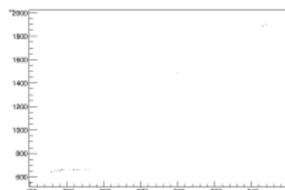
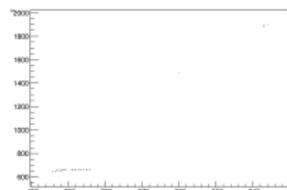
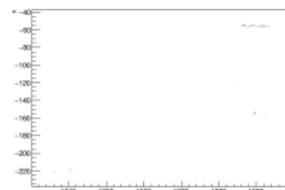
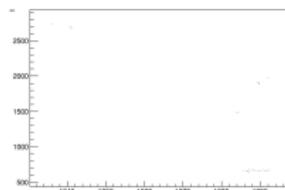
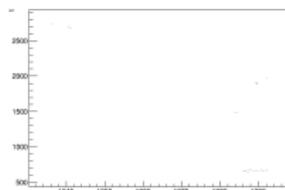
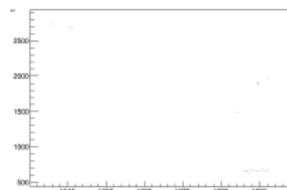


Pre

Fit

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True

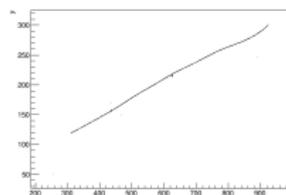
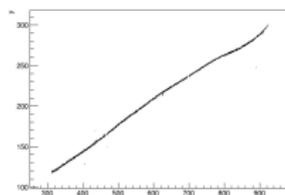
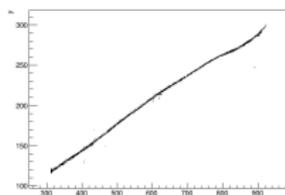
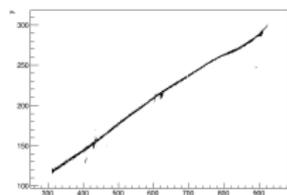
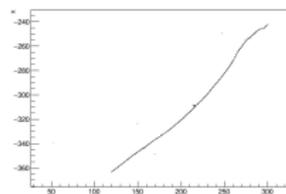
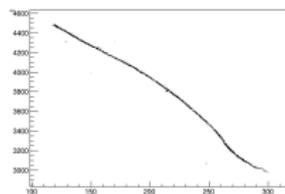
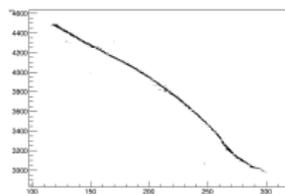
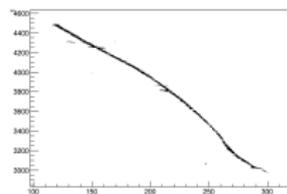
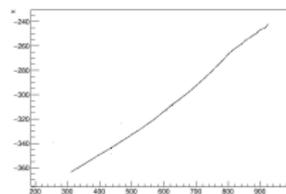
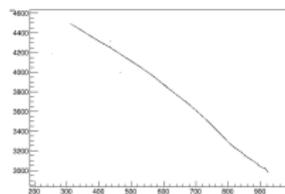
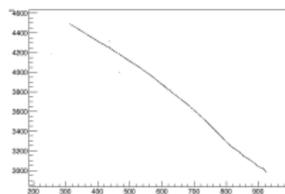
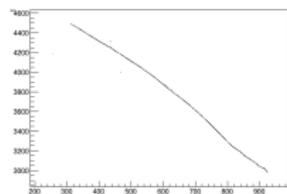


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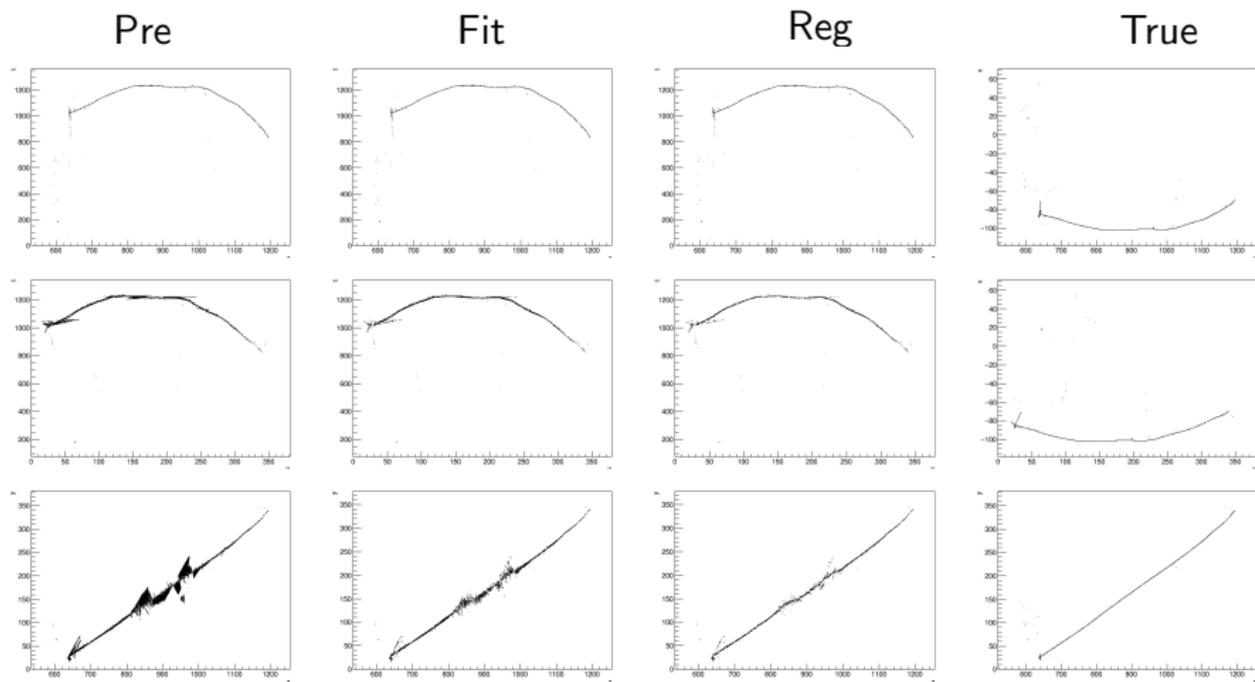
Fit

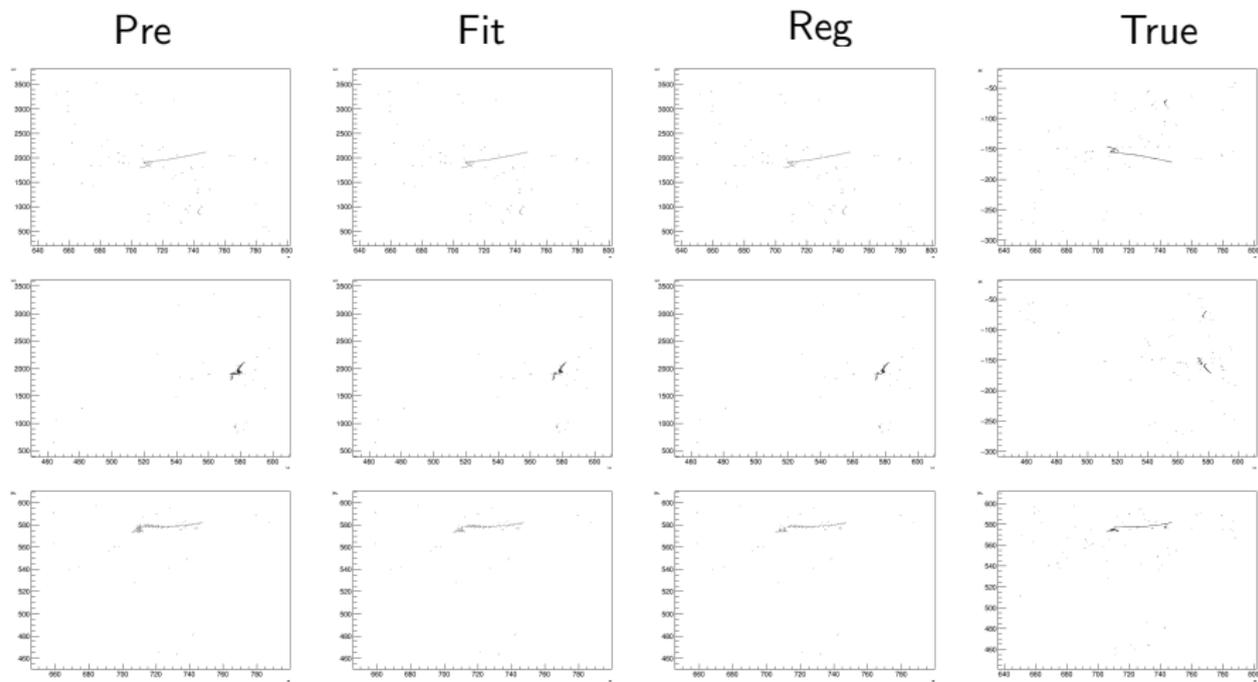
Reg

True



3440





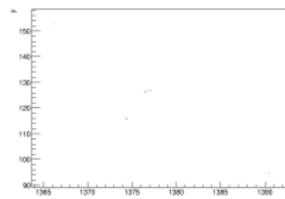
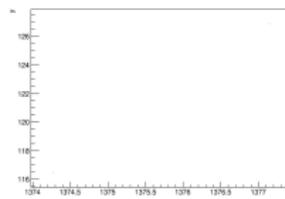
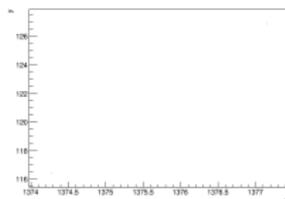
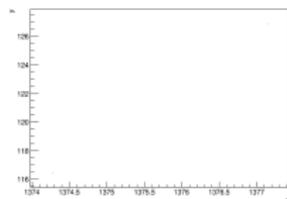
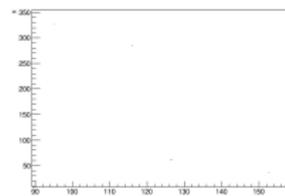
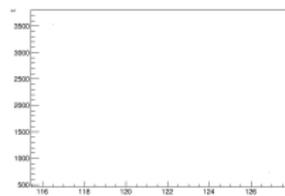
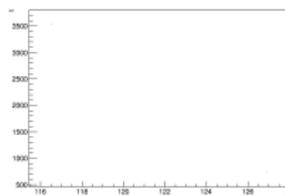
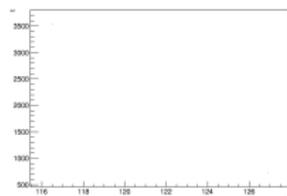
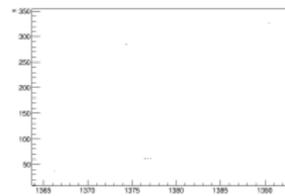
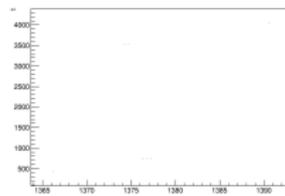
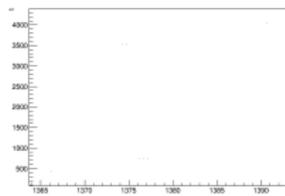
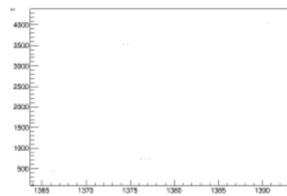
3443

Pre

Fit

Reg

True



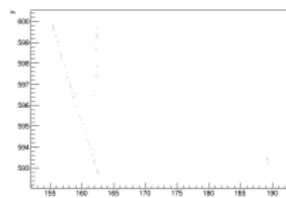
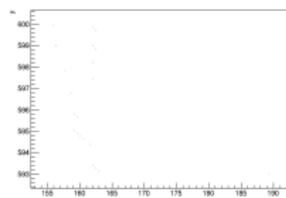
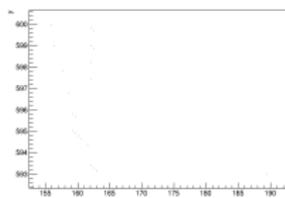
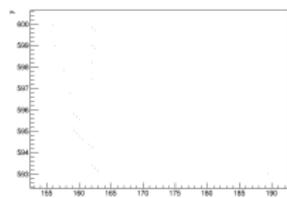
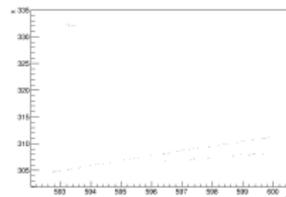
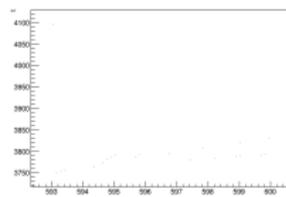
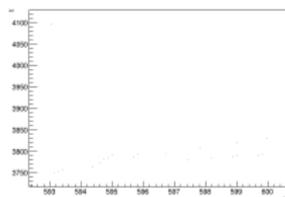
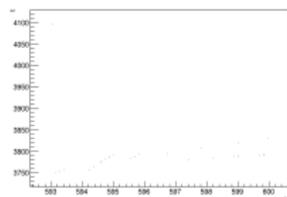
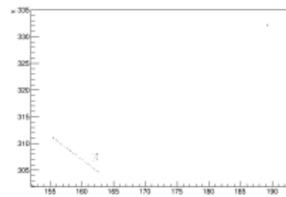
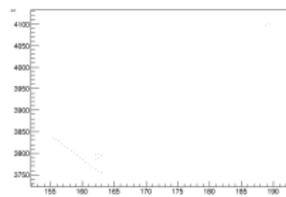
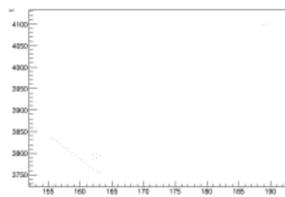
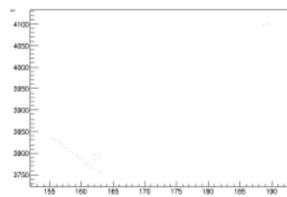
3444

Pre

Fit

Reg

True



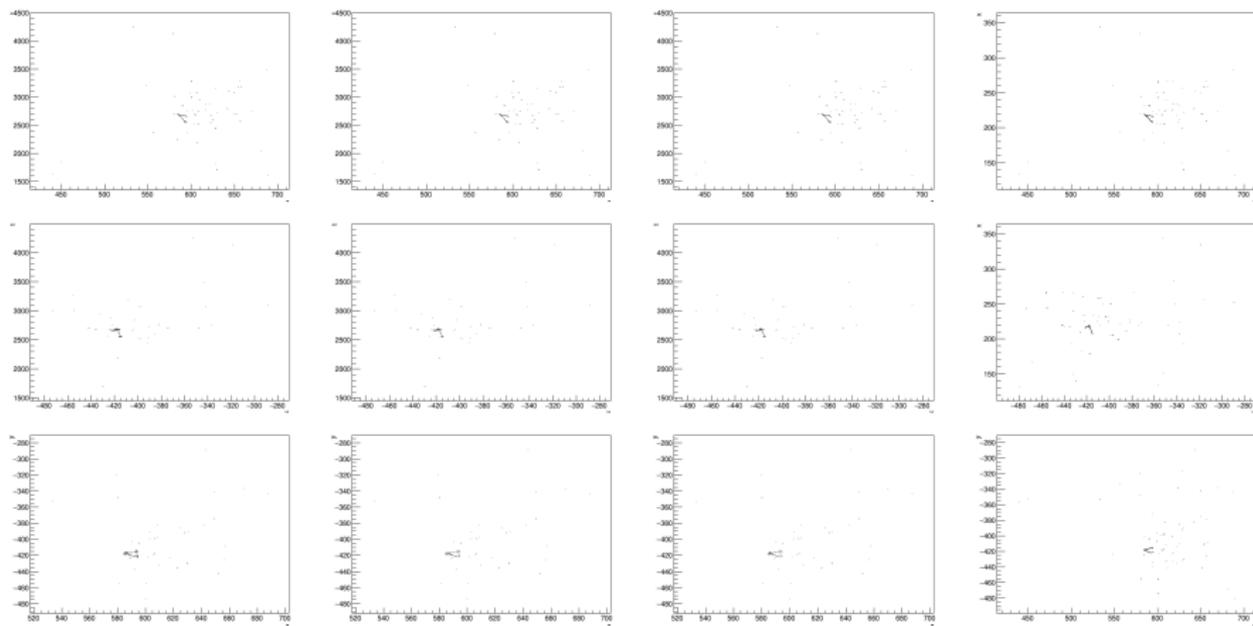
3446

Pre

Fit

Reg

True

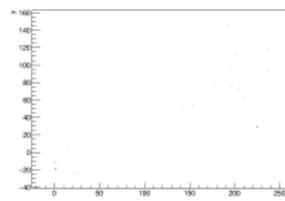
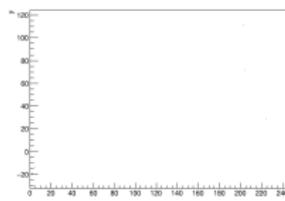
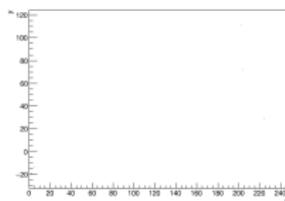
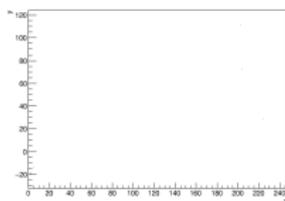
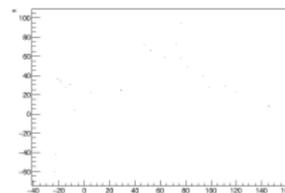
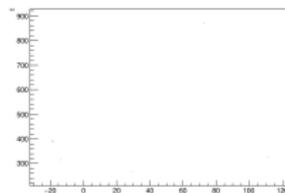
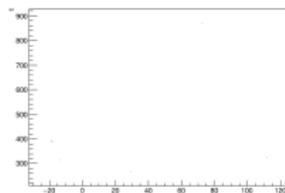
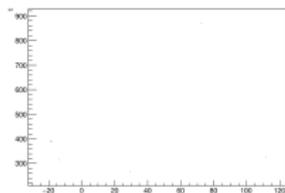
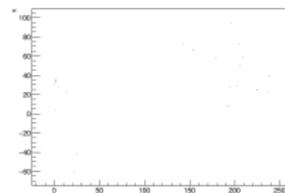
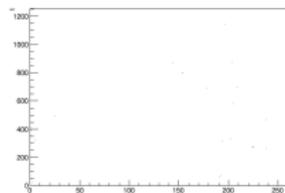
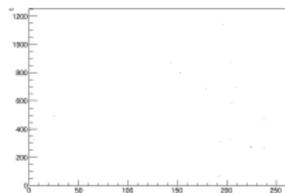
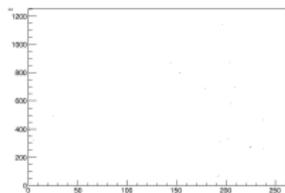


Pre

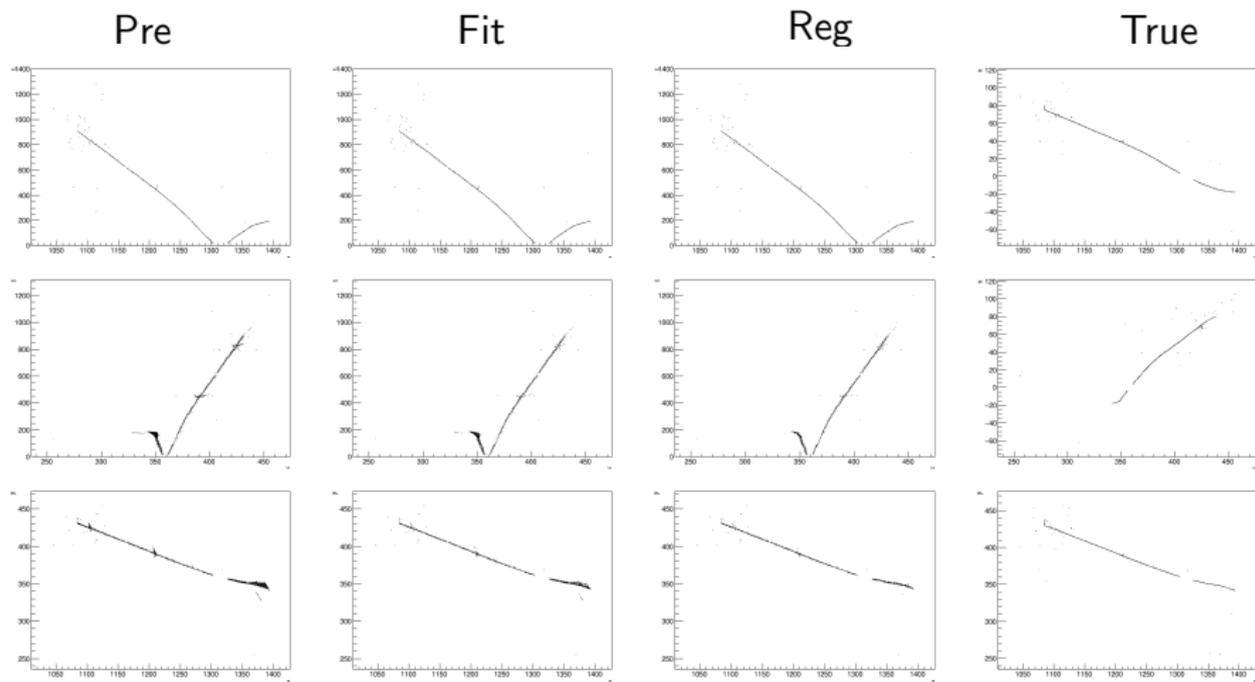
Fit

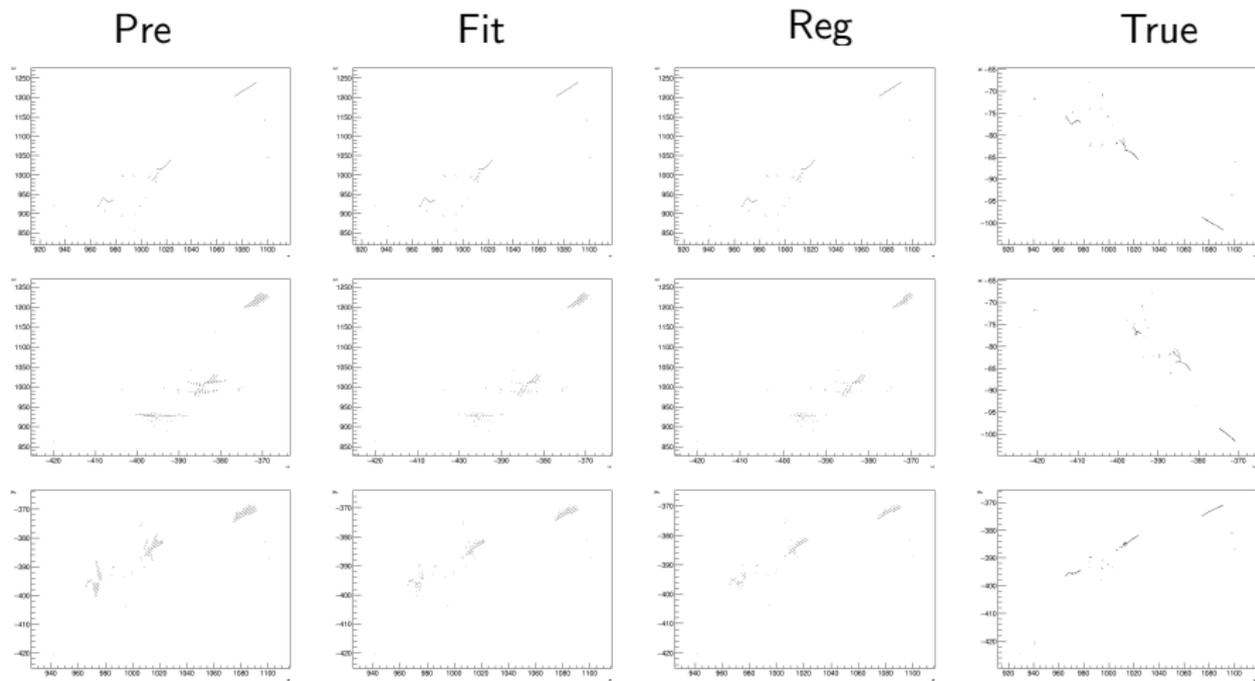
Reg

True



3448



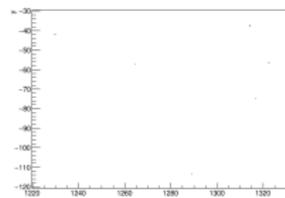
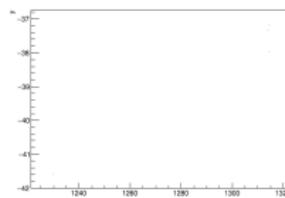
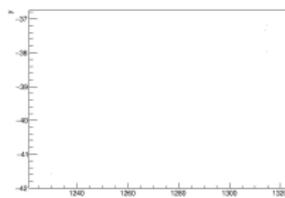
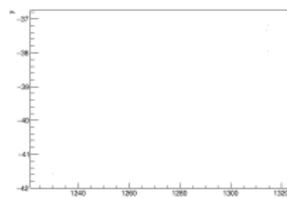
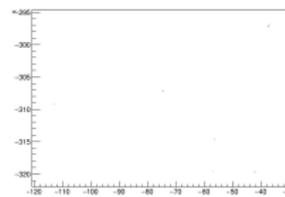
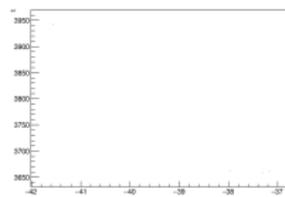
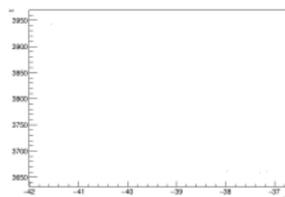
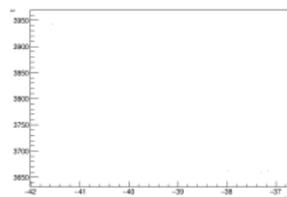
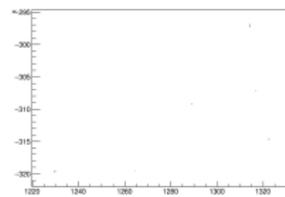
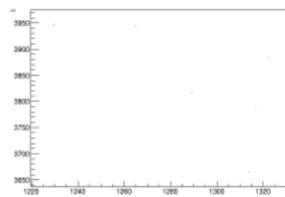
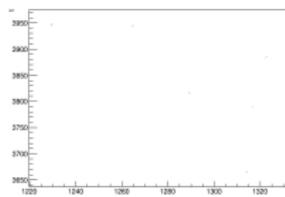
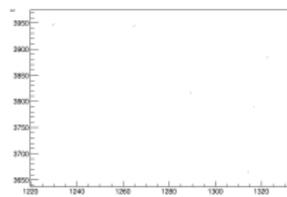


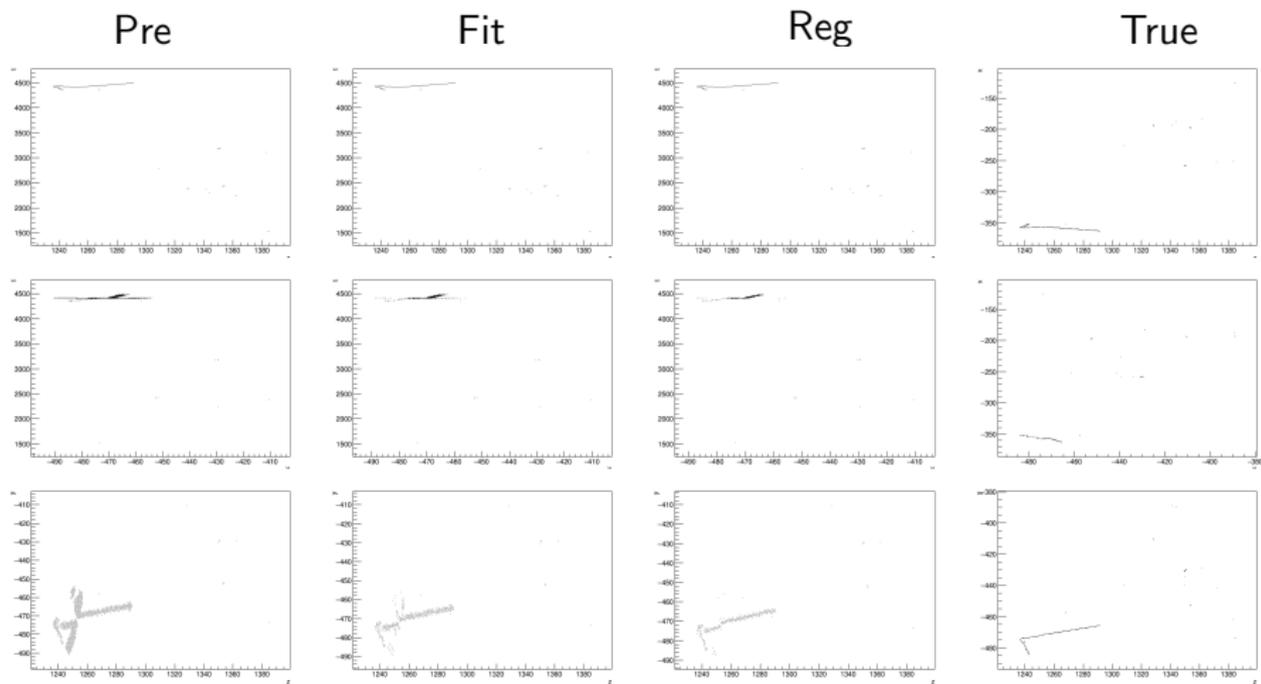
Pre

Fit

Reg

True





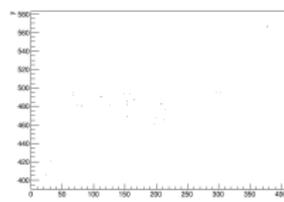
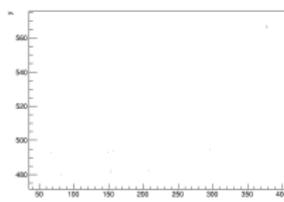
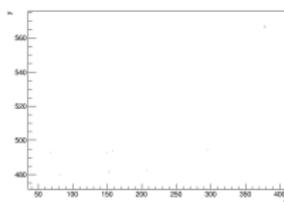
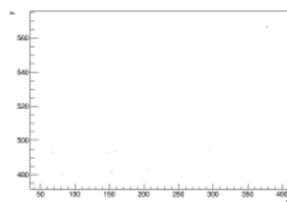
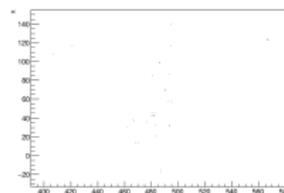
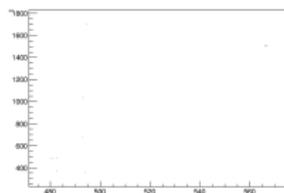
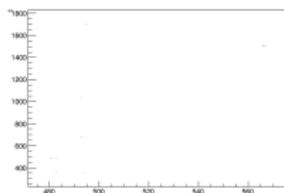
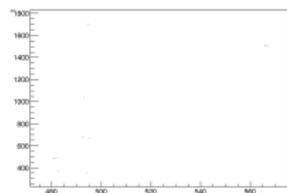
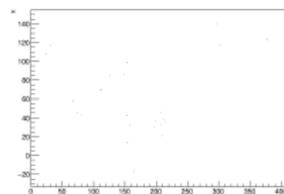
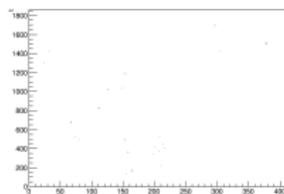
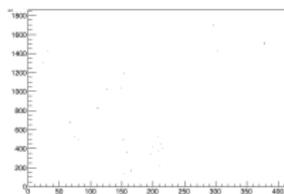
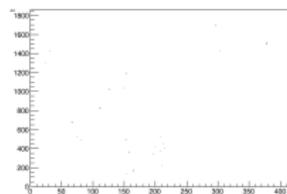
3453

Pre

Fit

Reg

True



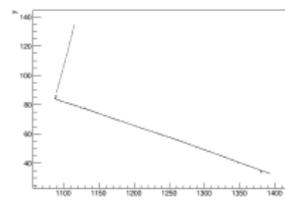
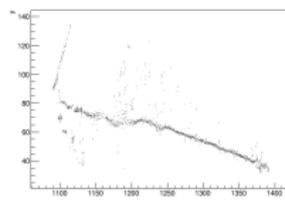
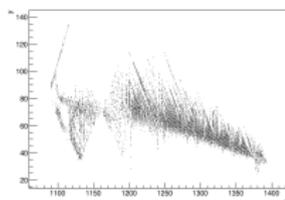
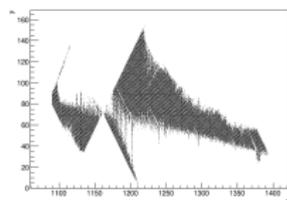
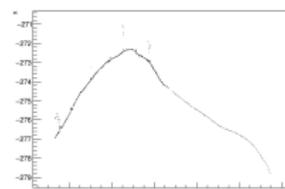
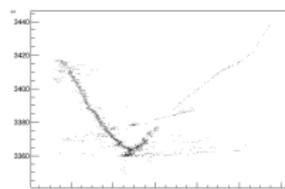
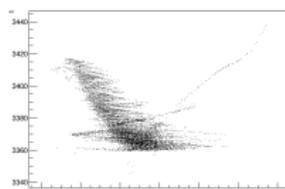
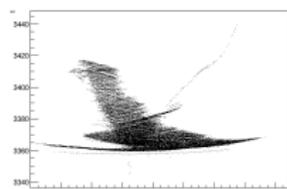
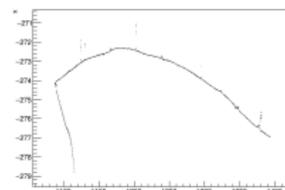
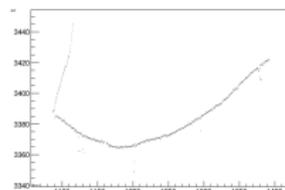
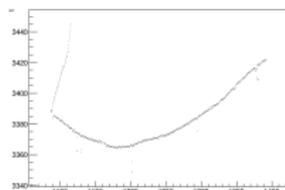
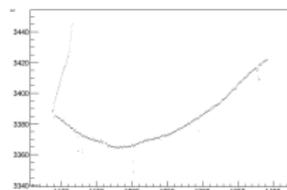
3454

Pre

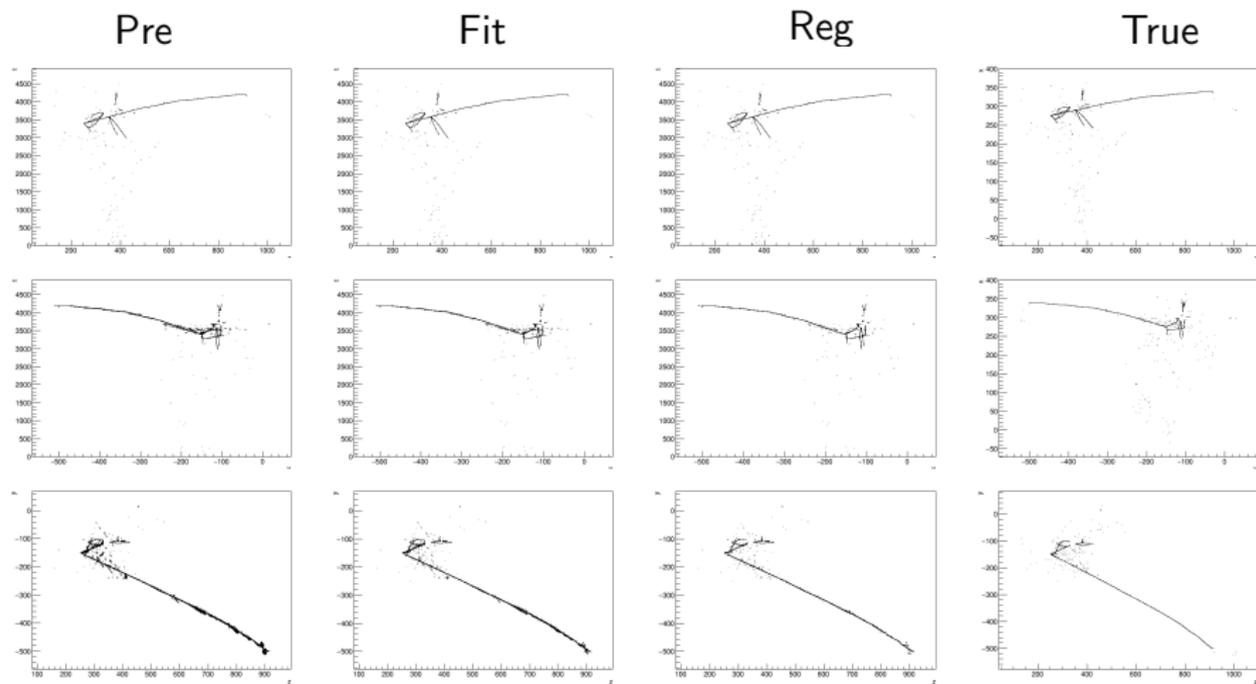
Fit

Reg

True



3455



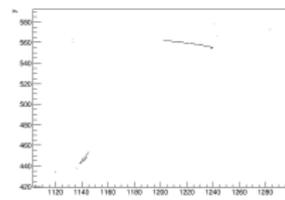
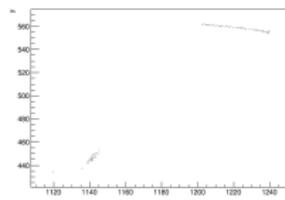
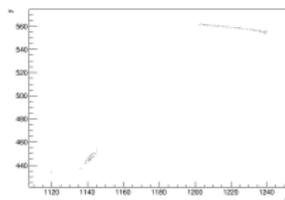
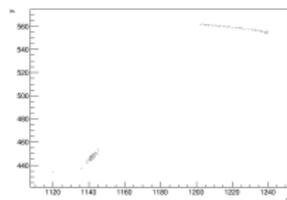
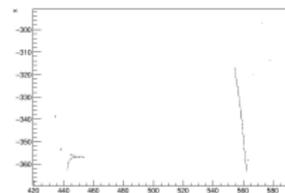
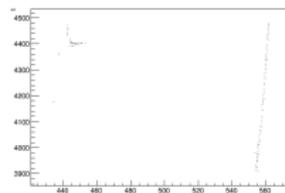
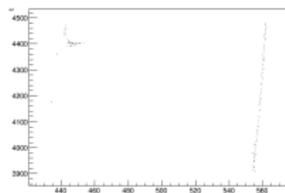
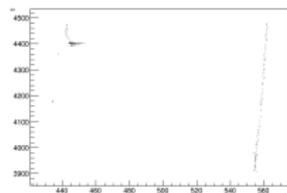
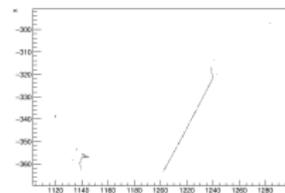
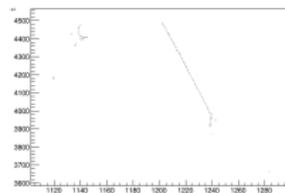
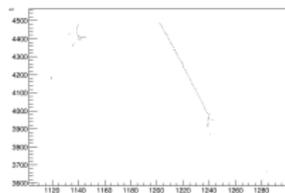
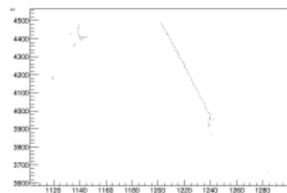
3456

Pre

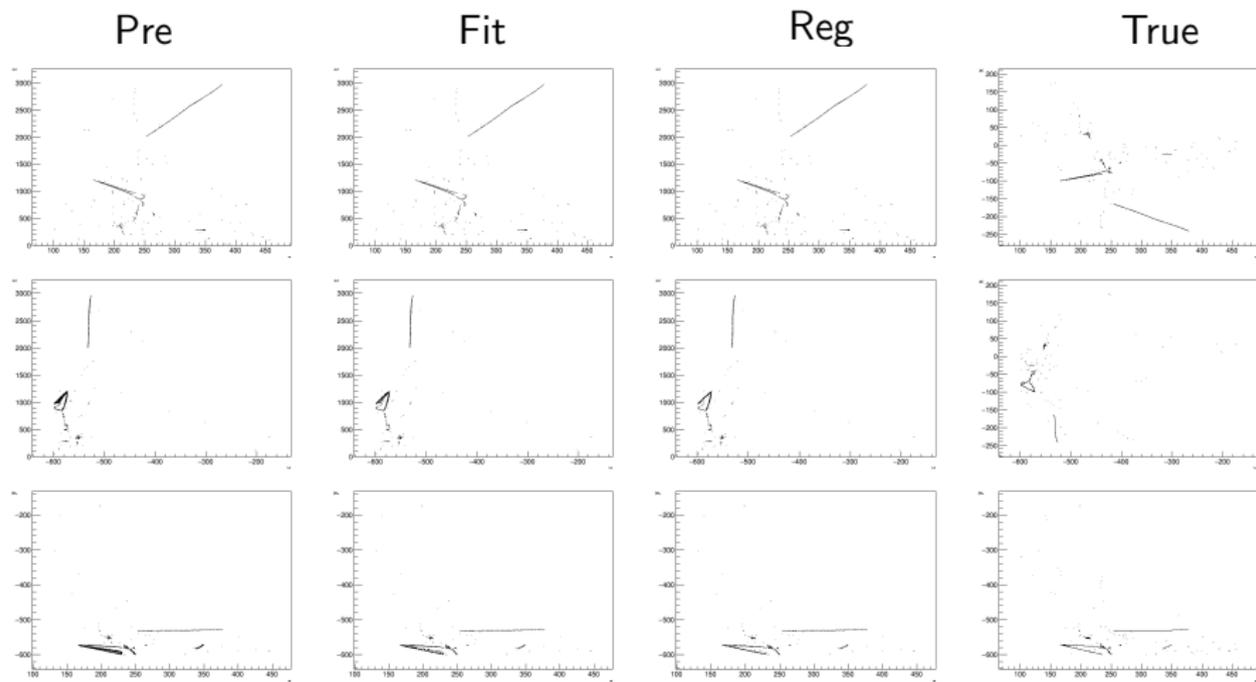
Fit

Reg

True



3457



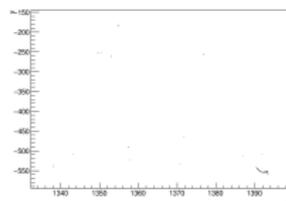
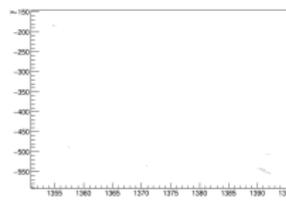
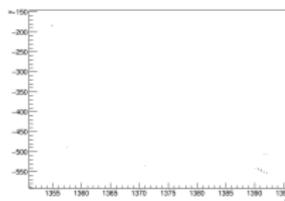
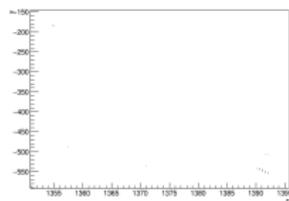
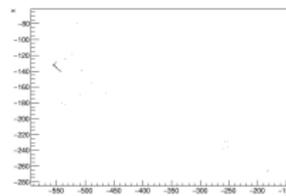
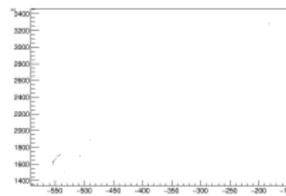
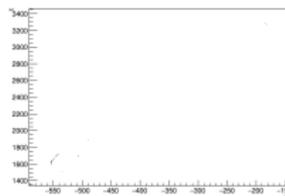
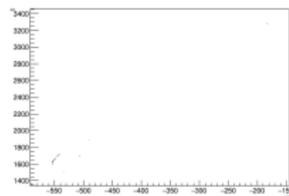
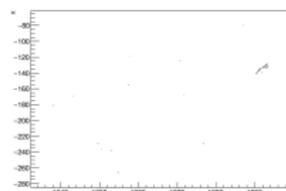
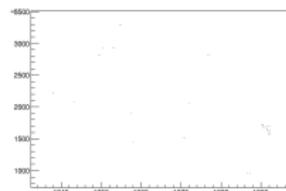
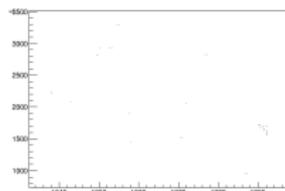
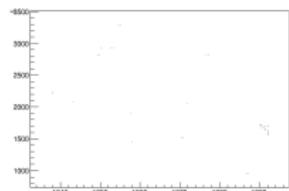
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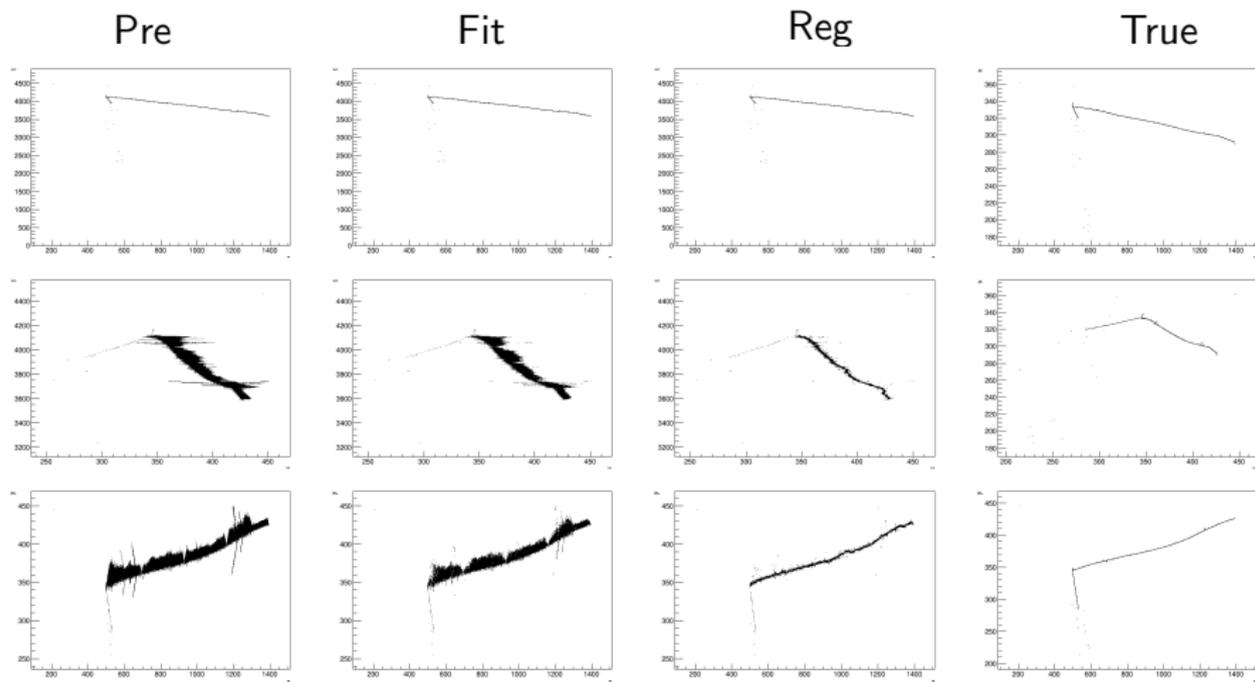
Pre

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True



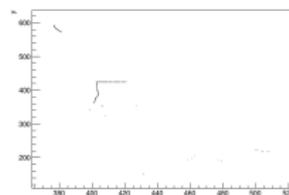
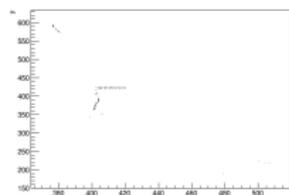
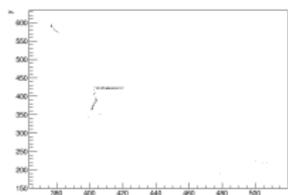
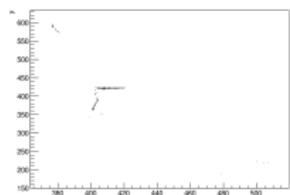
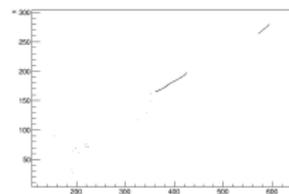
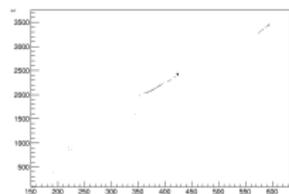
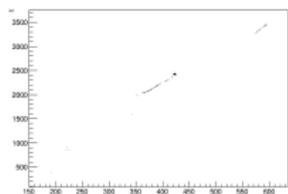
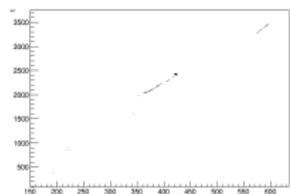
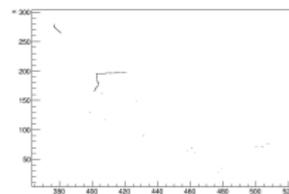
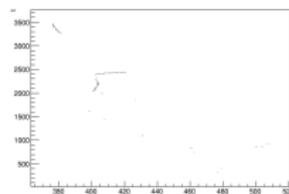
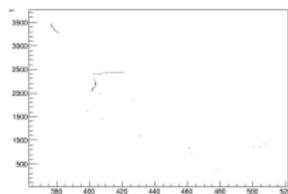
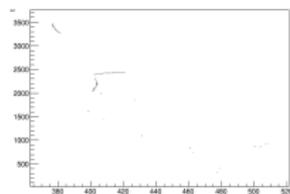


Pre

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True

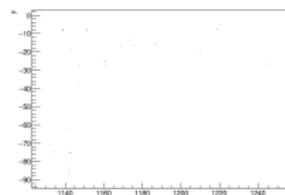
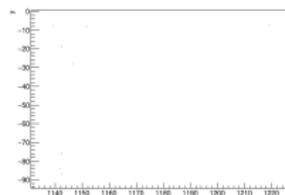
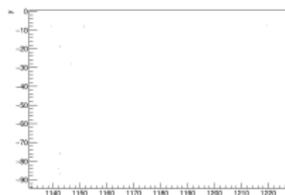
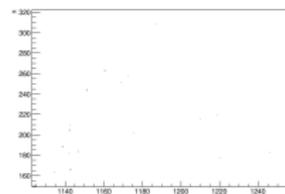
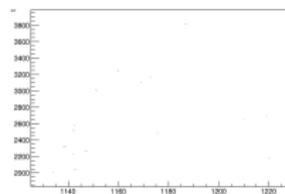
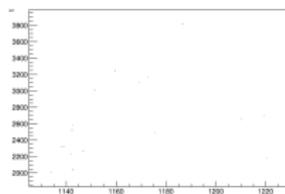
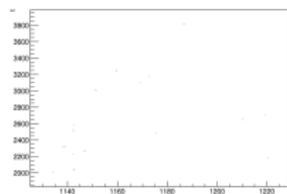


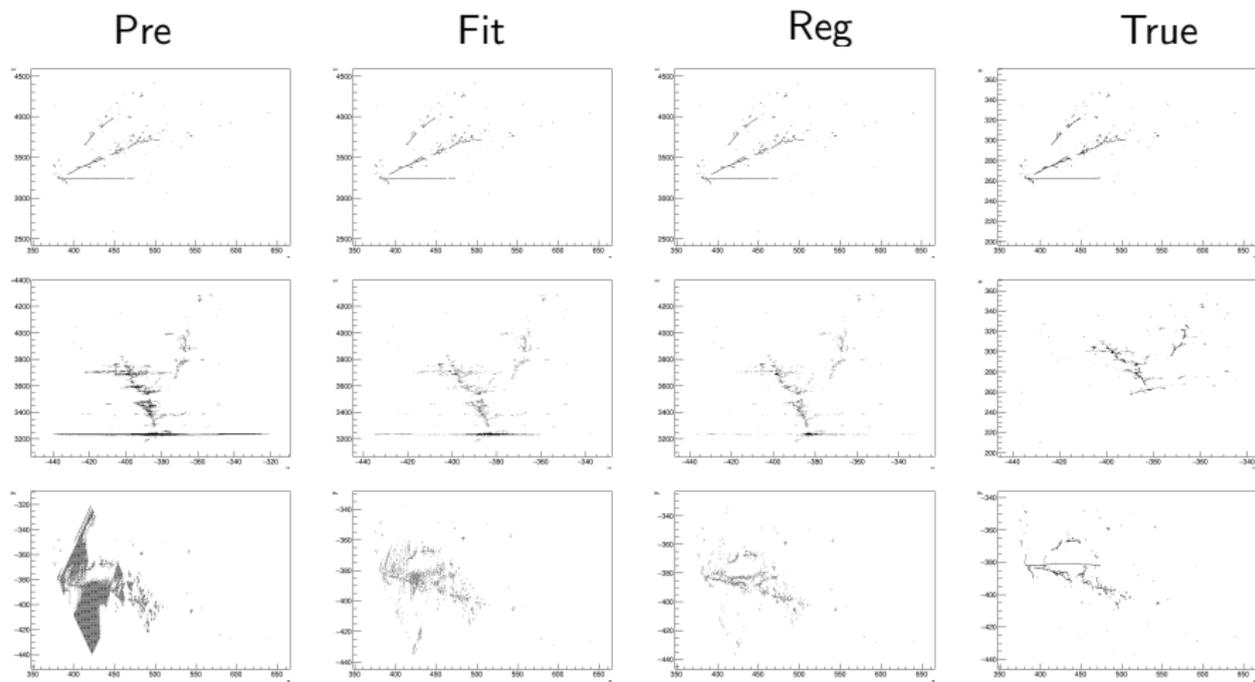
Pre

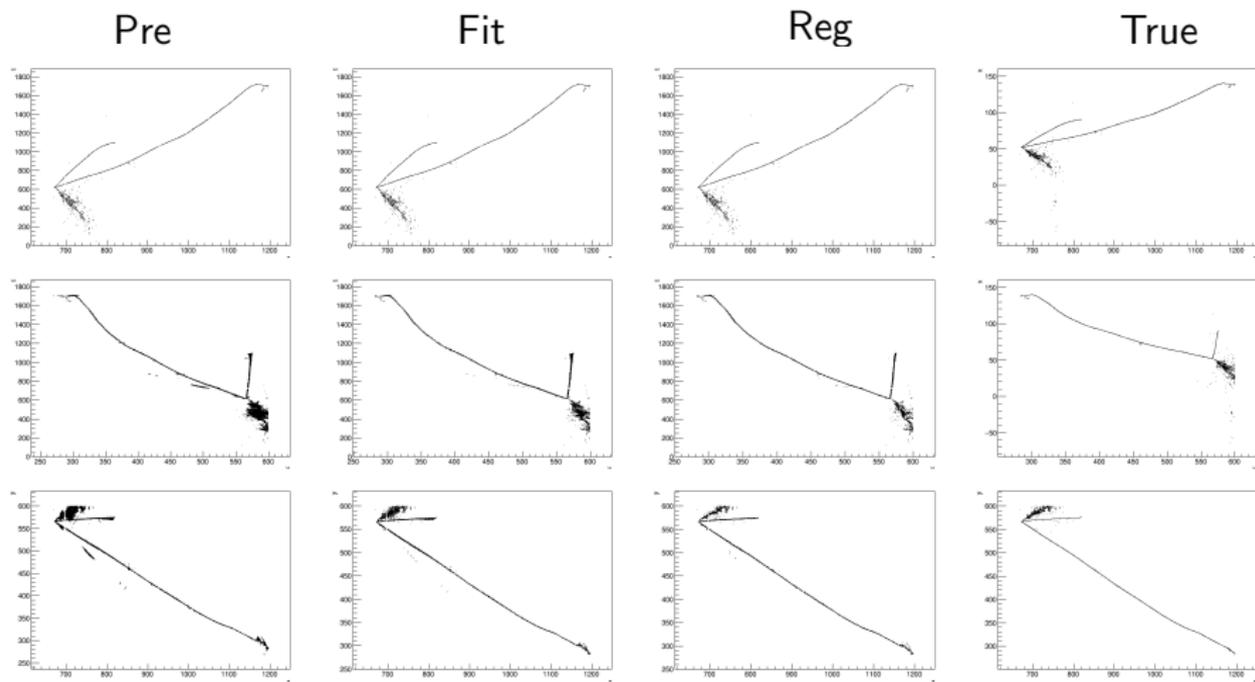
Fit

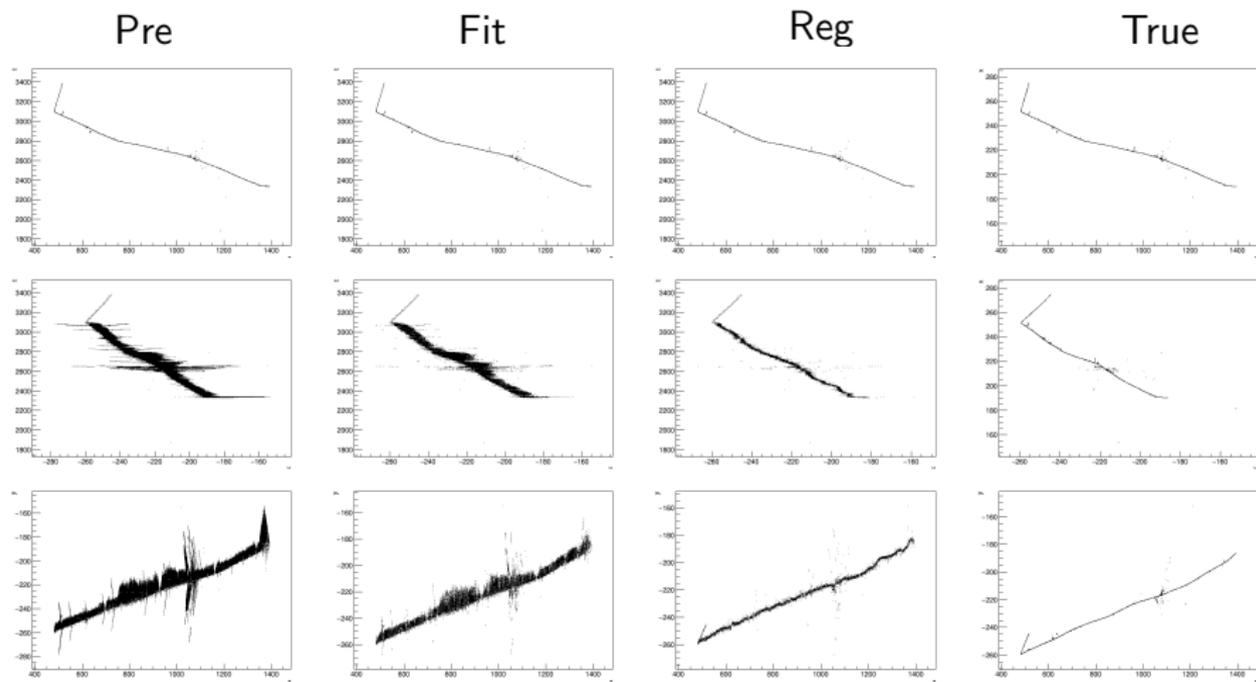
Reg

True









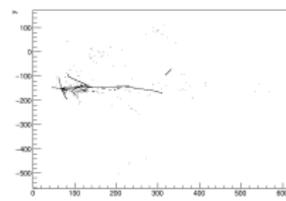
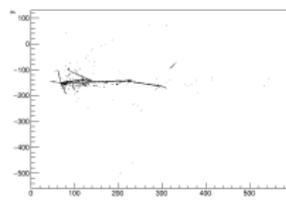
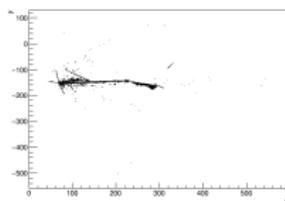
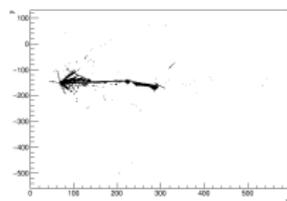
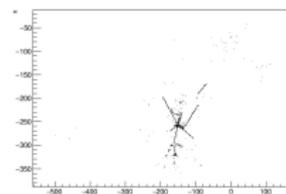
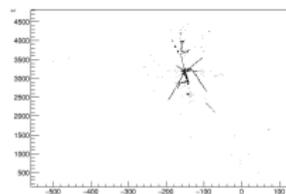
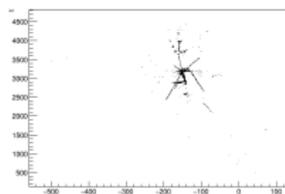
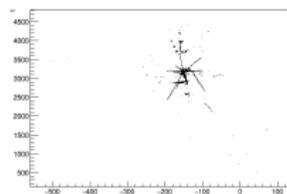
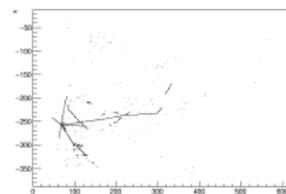
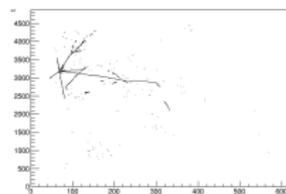
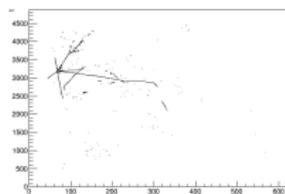
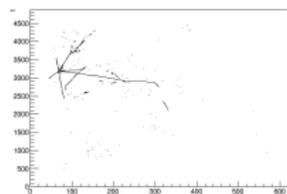
3466

Pre

Fit

Reg

True

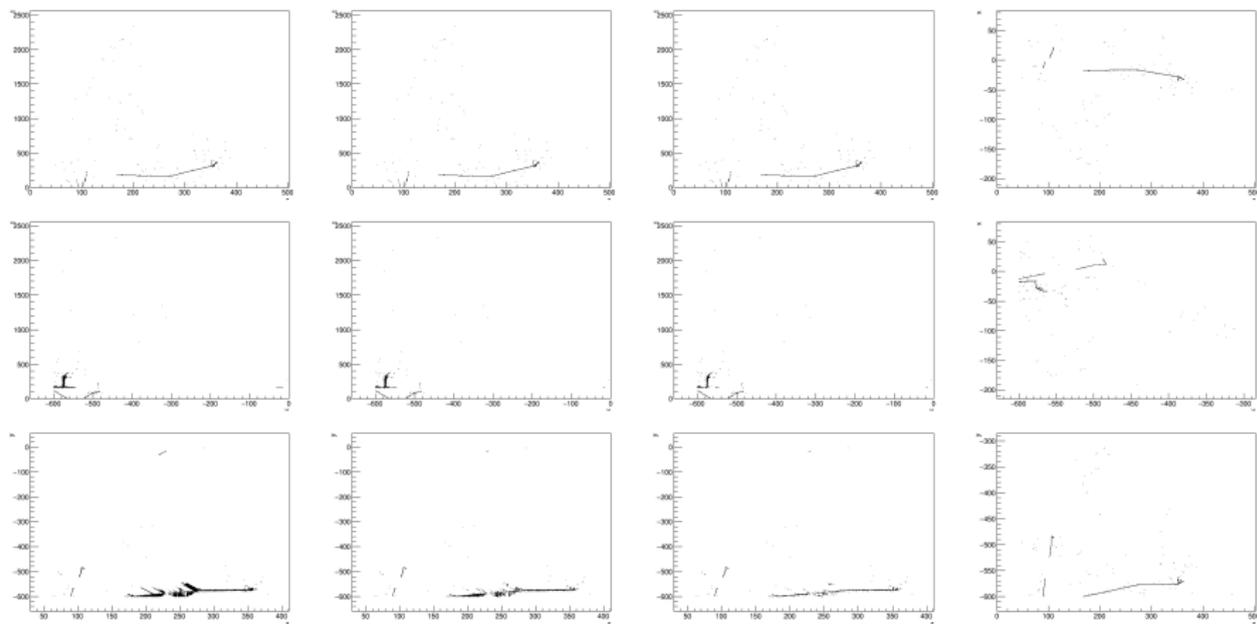


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Reg

True



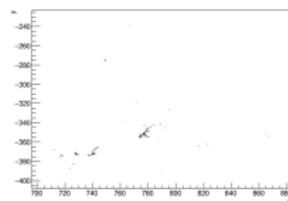
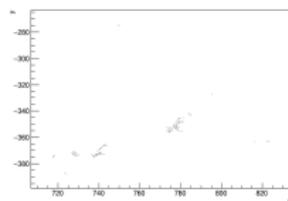
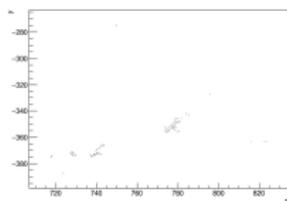
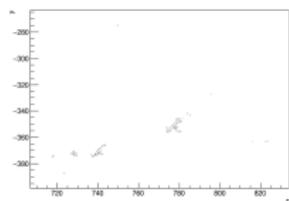
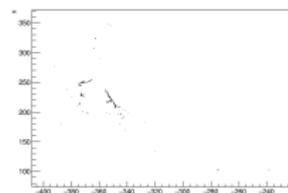
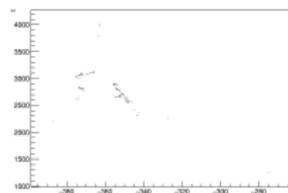
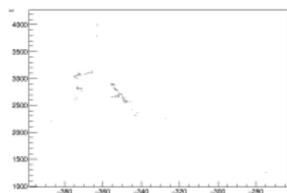
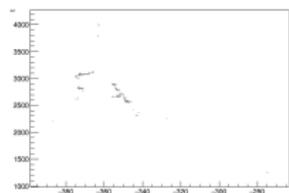
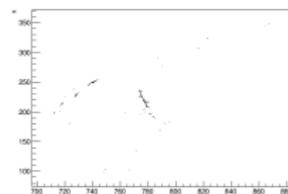
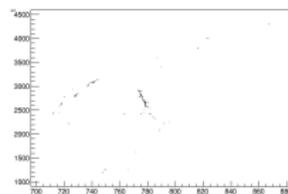
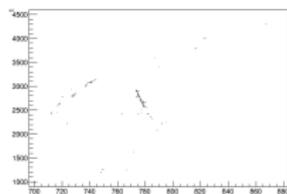
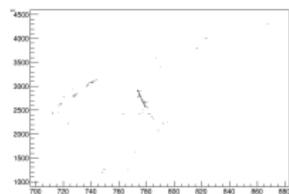
3468

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True

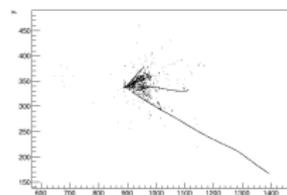
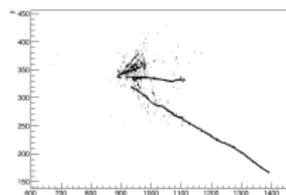
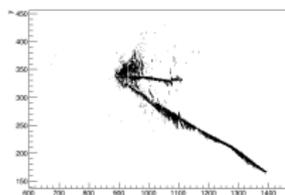
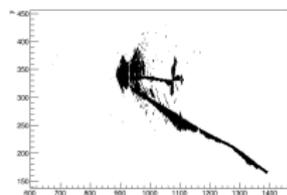
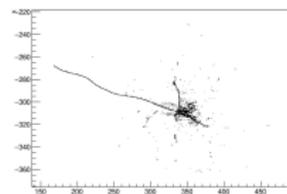
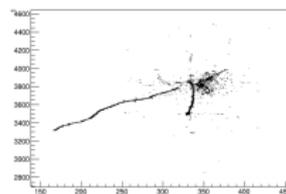
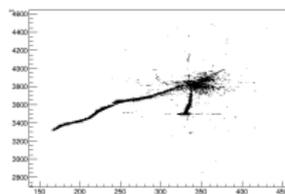
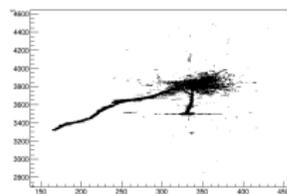
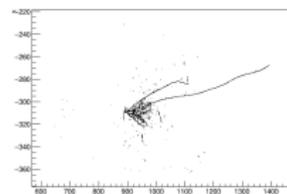
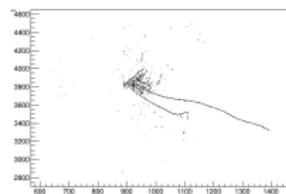
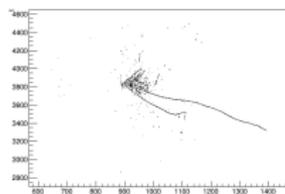
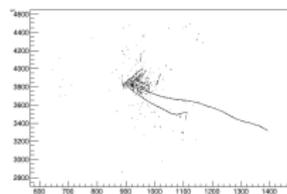


Pre

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True



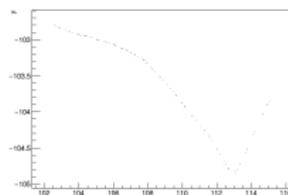
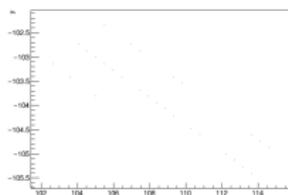
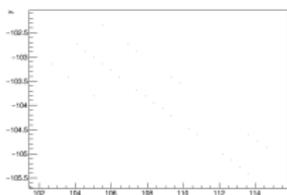
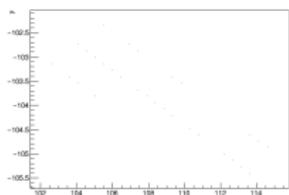
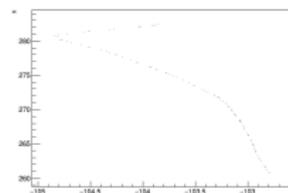
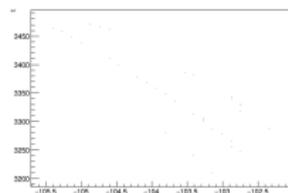
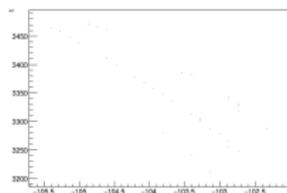
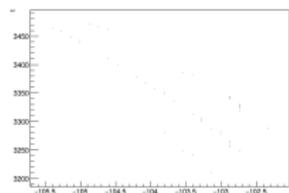
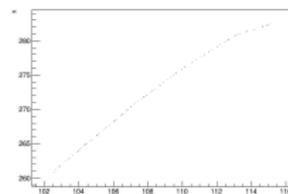
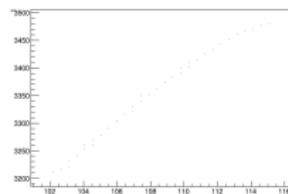
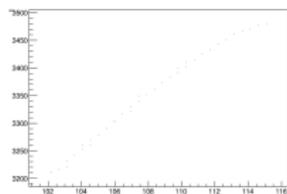
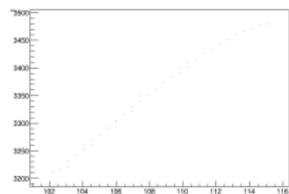
3470

Pre

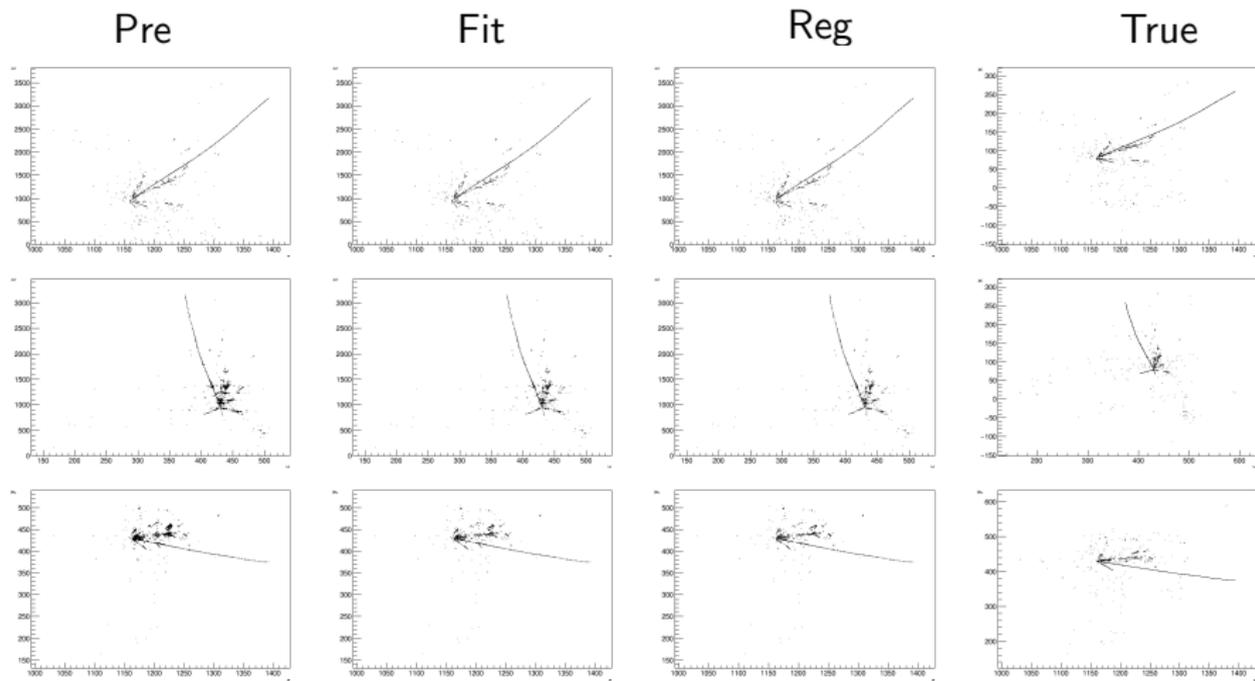
Fit

Reg

True



3472



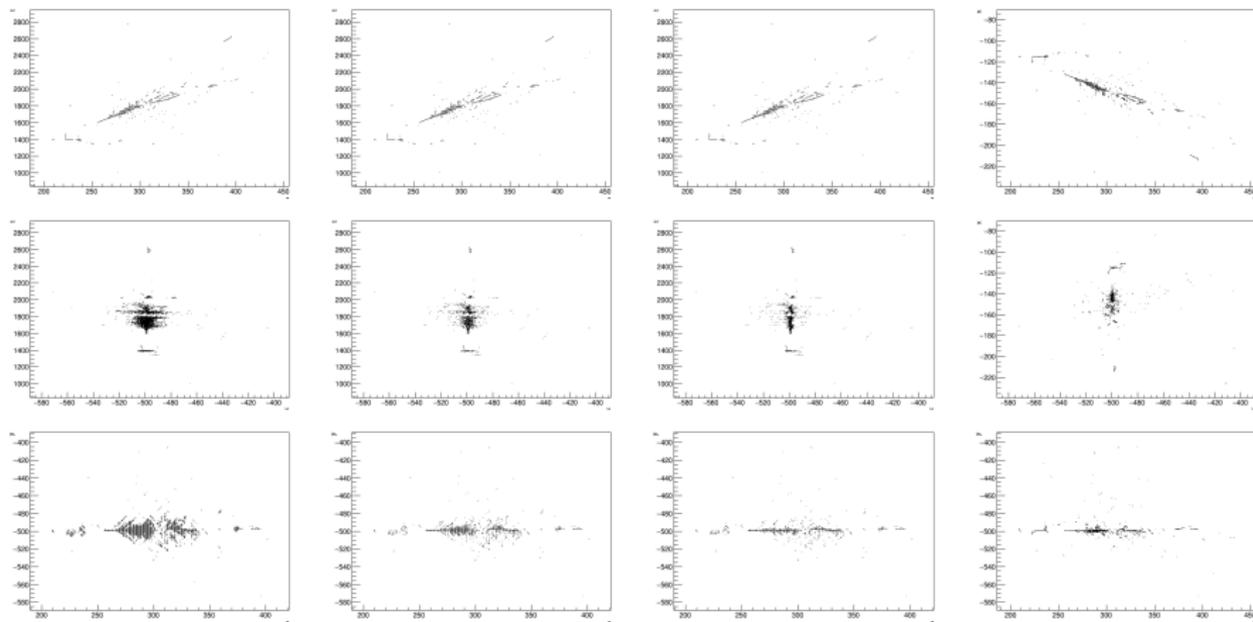
3473

Pre

Fit

Reg

True



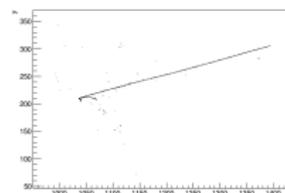
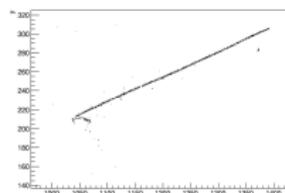
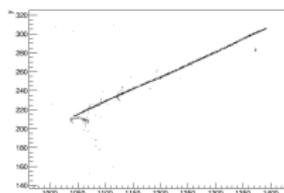
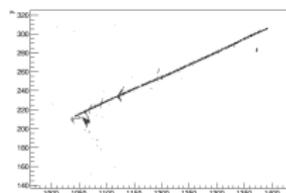
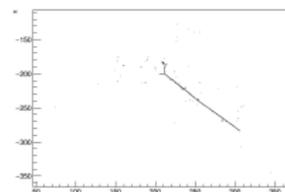
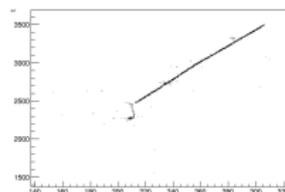
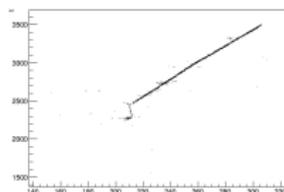
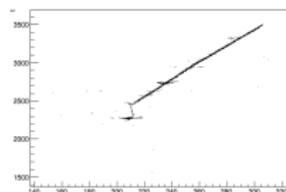
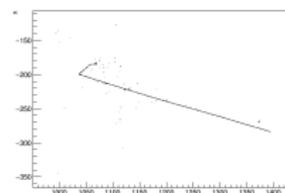
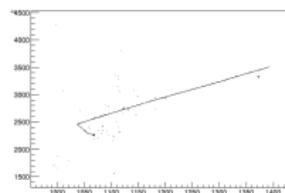
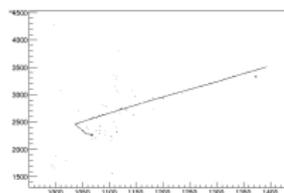
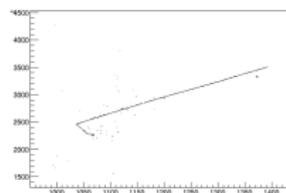
3474

Pre

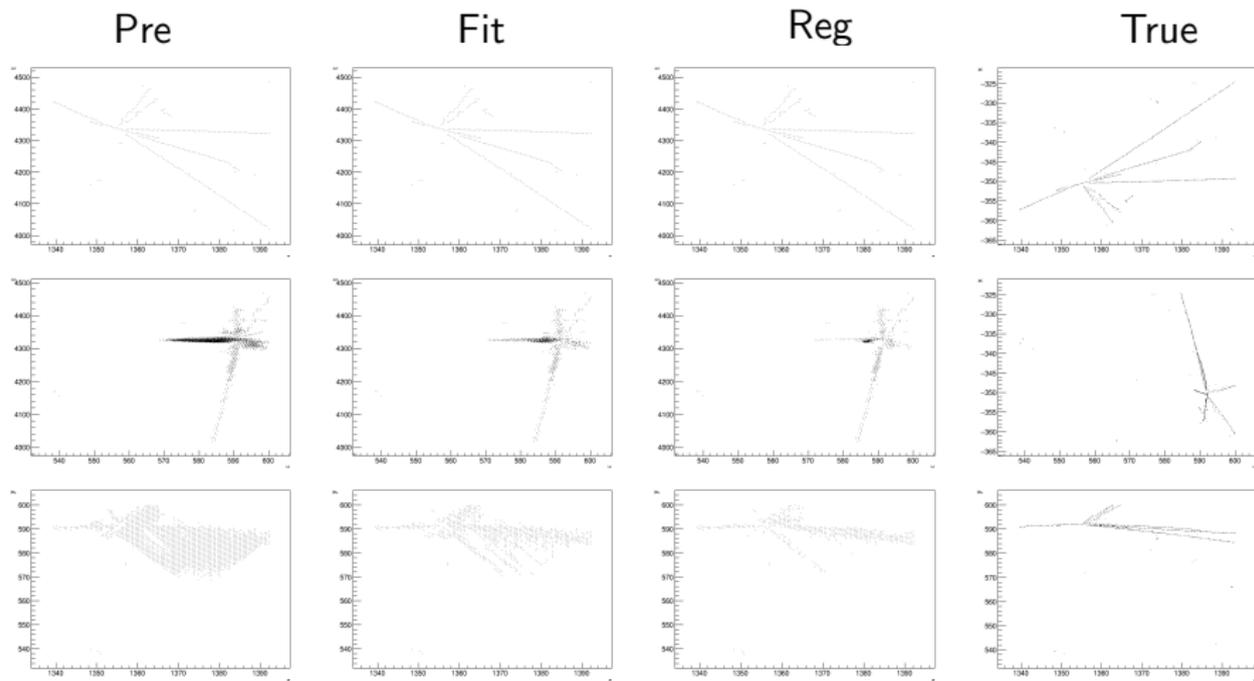
Fit

Reg

True



3475



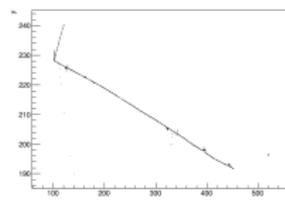
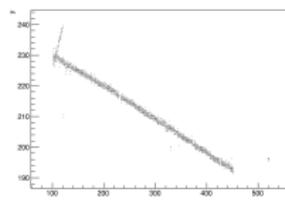
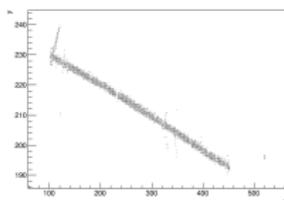
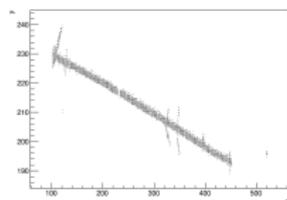
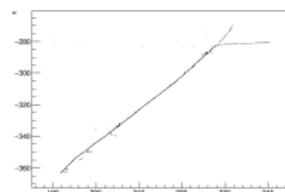
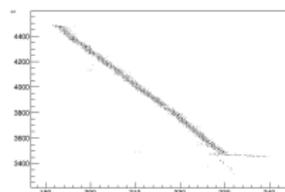
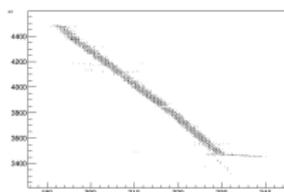
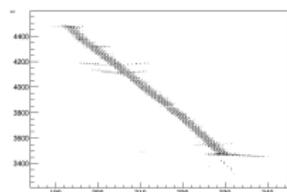
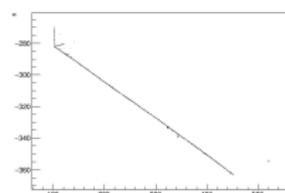
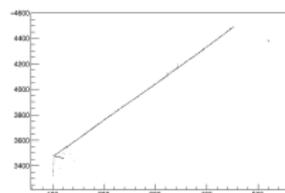
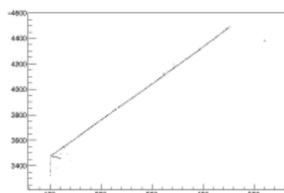
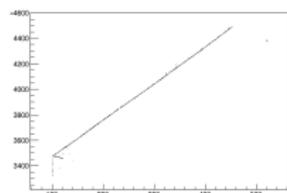
3476

Pre

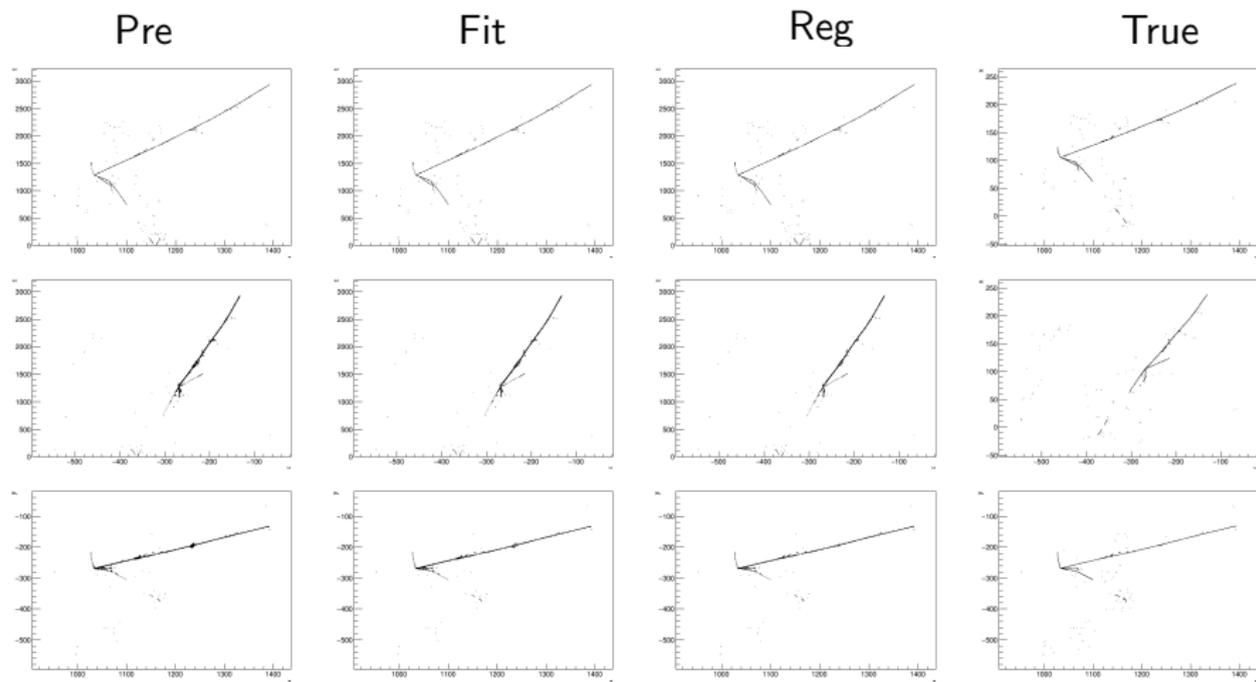
Fit

Reg

True



3477

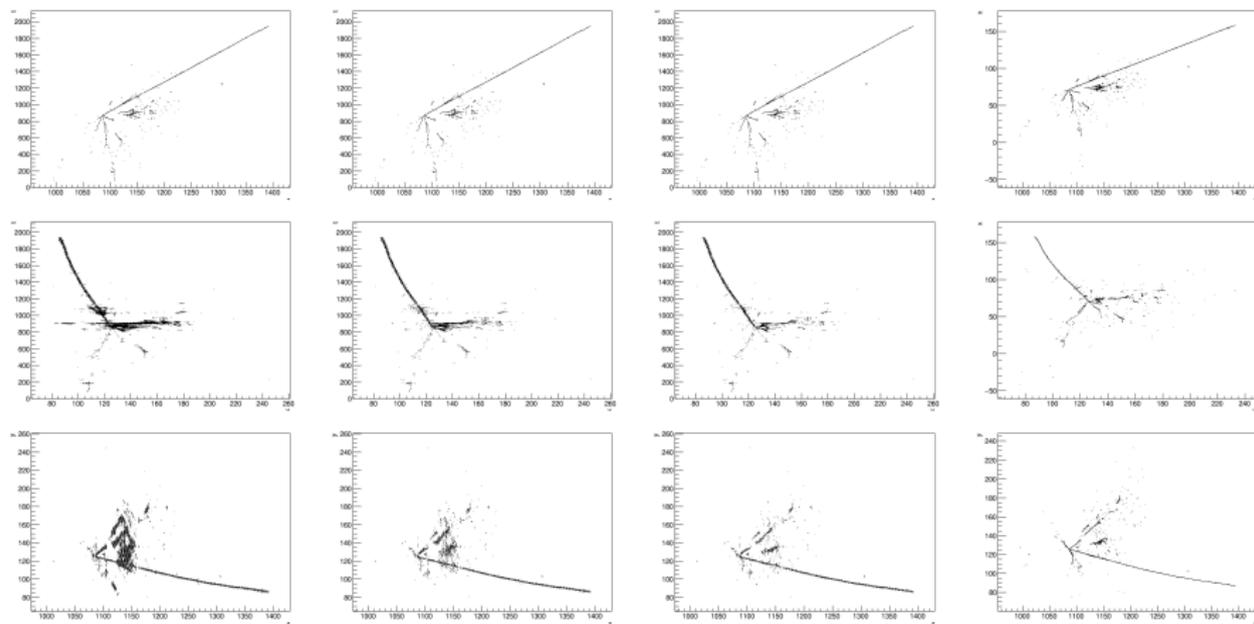


Pre

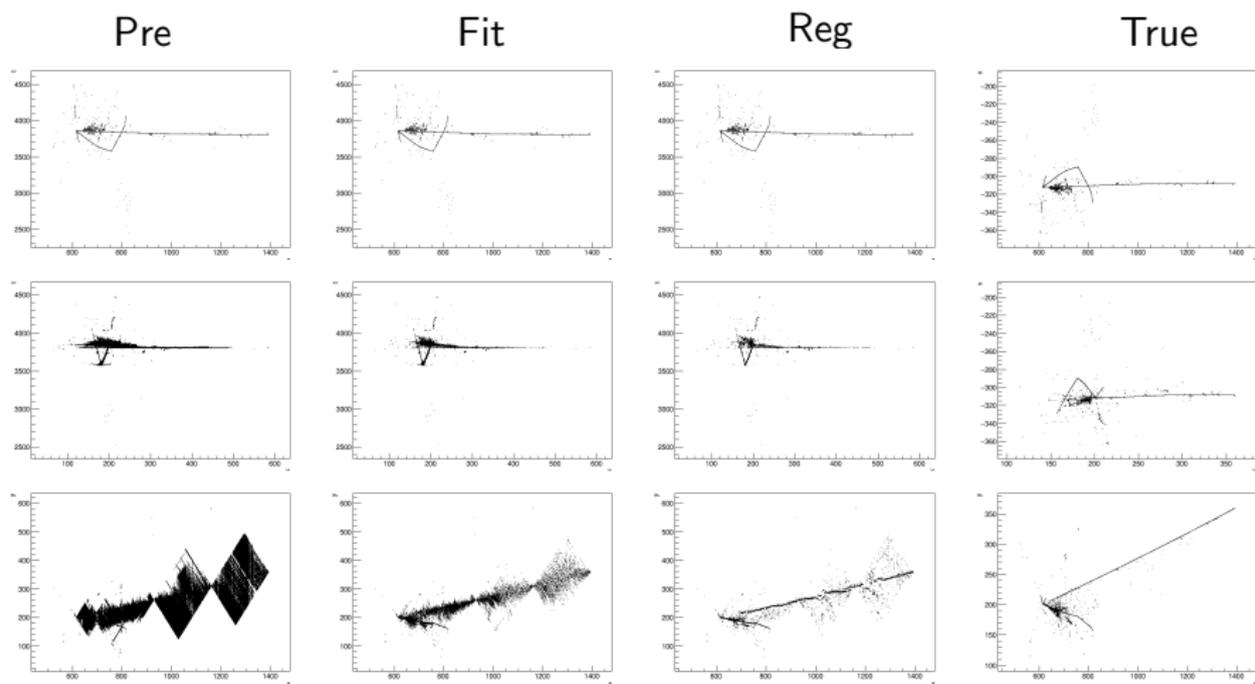
Fit

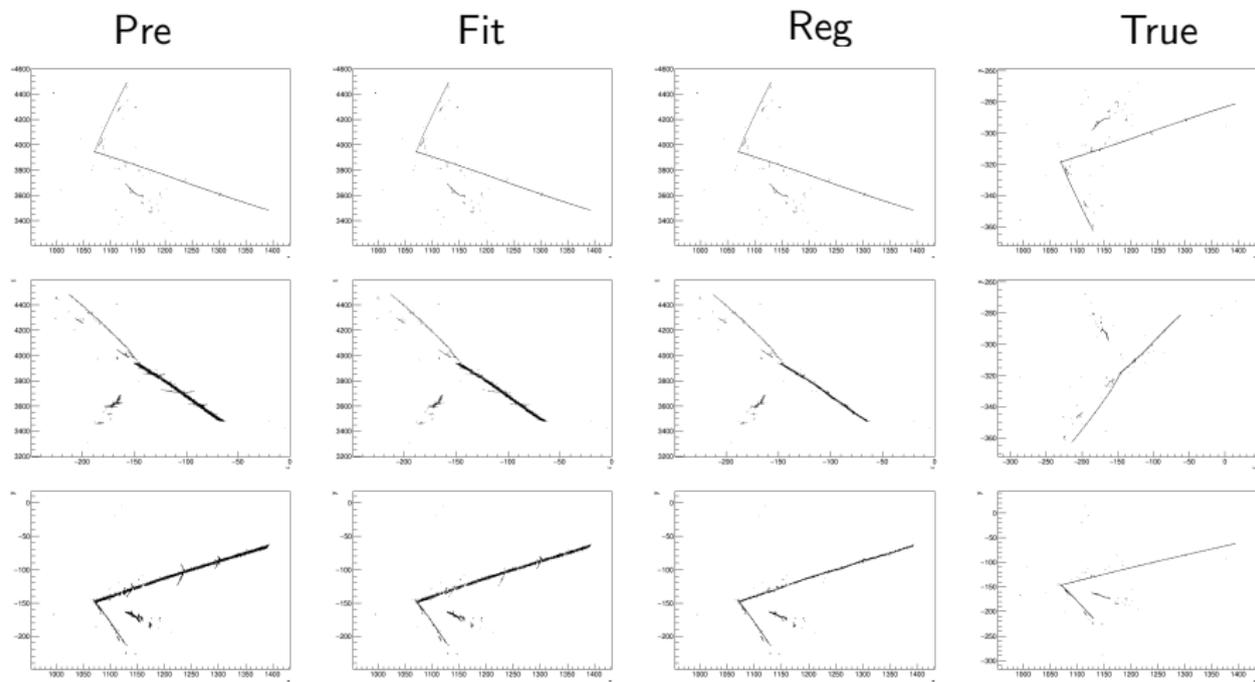
Reg

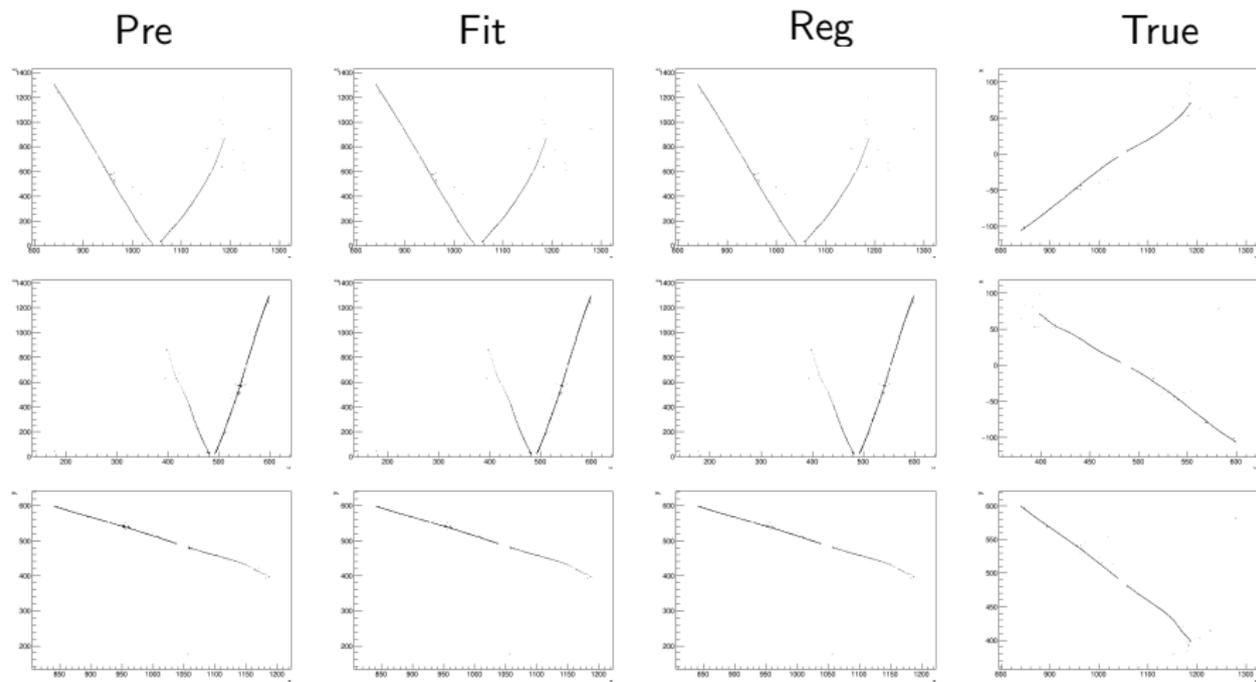
True

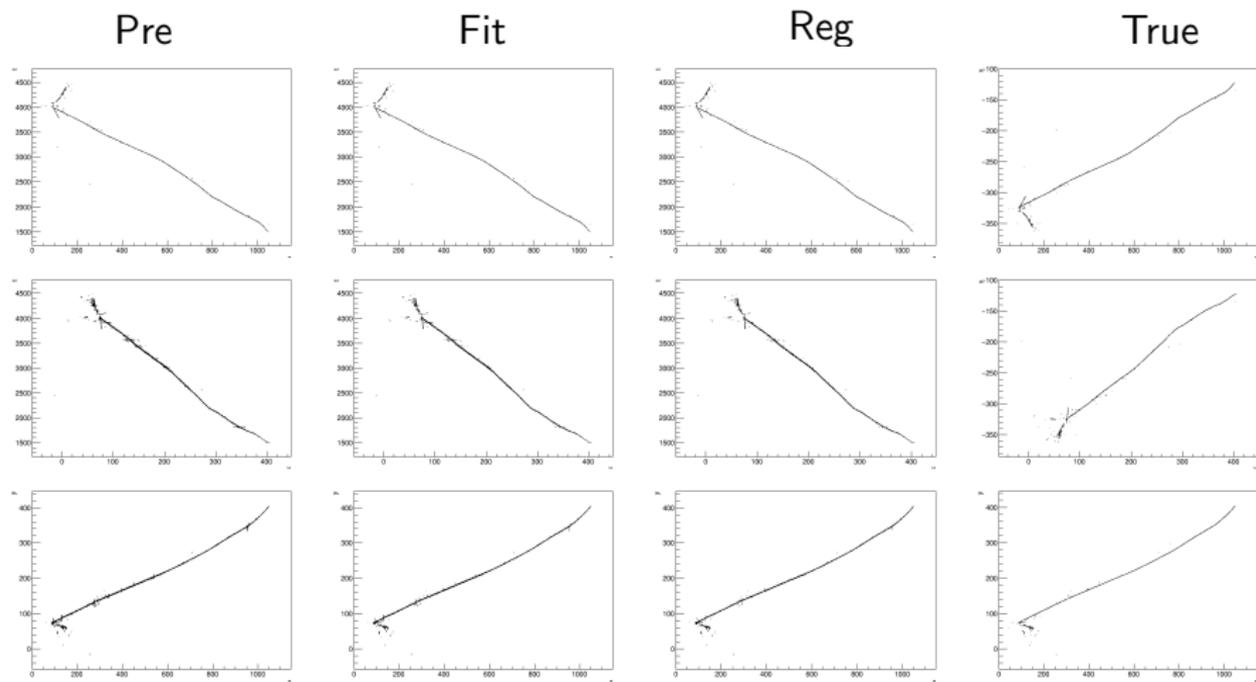


3479







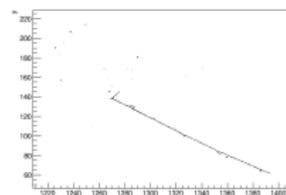
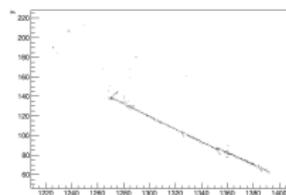
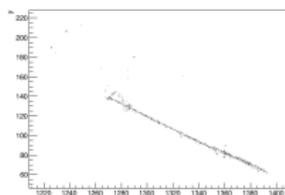
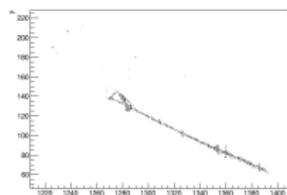
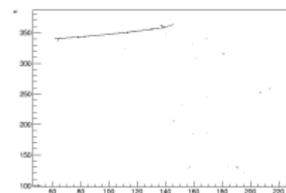
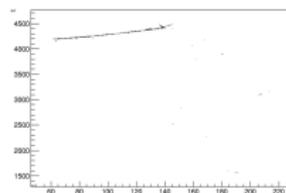
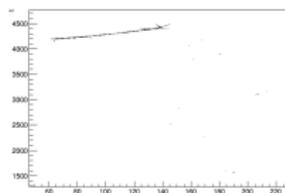
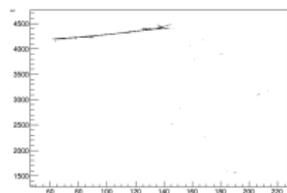
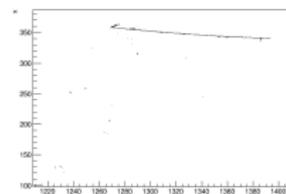
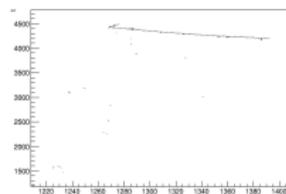
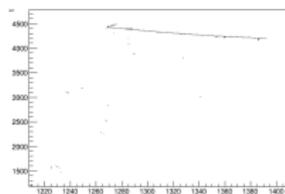
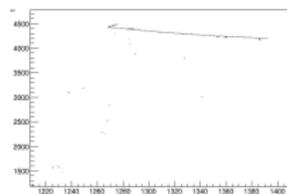


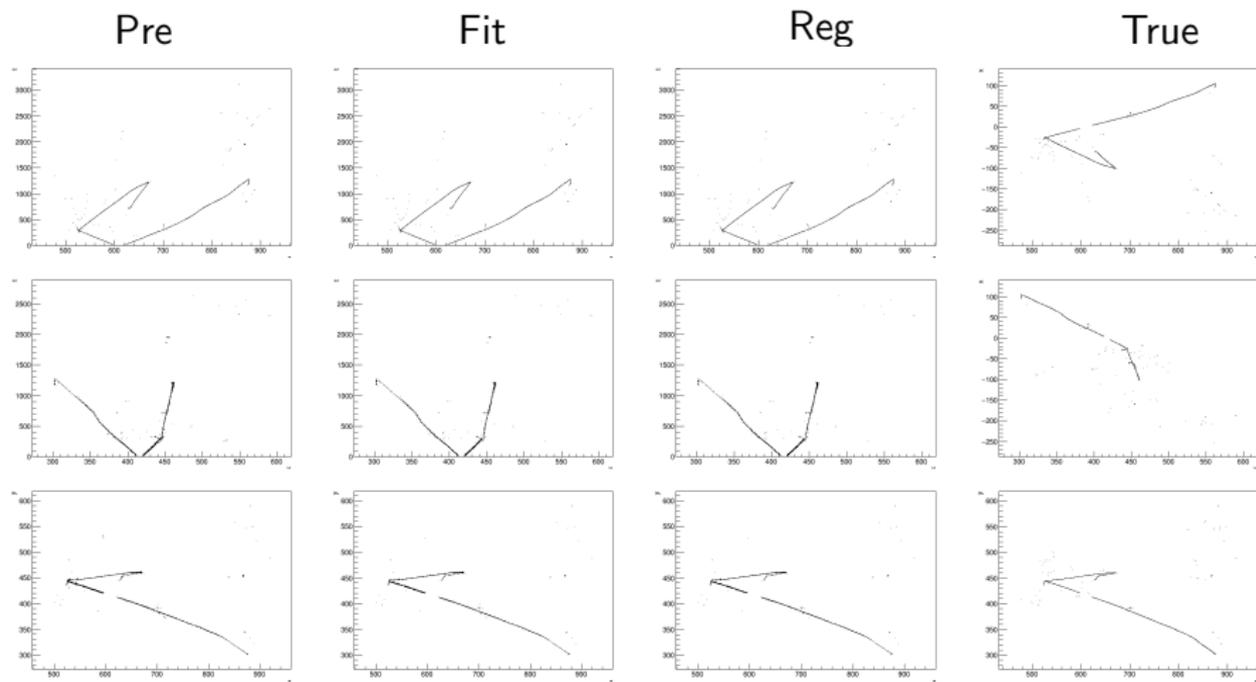
Pre

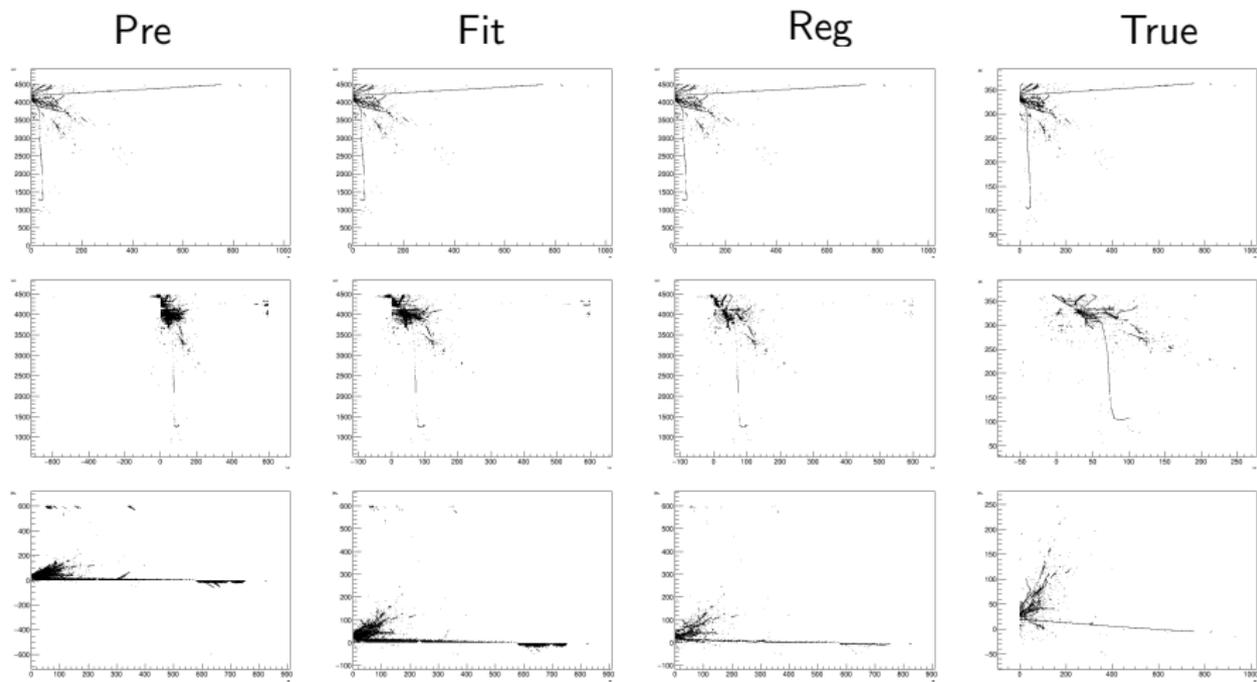
Fit

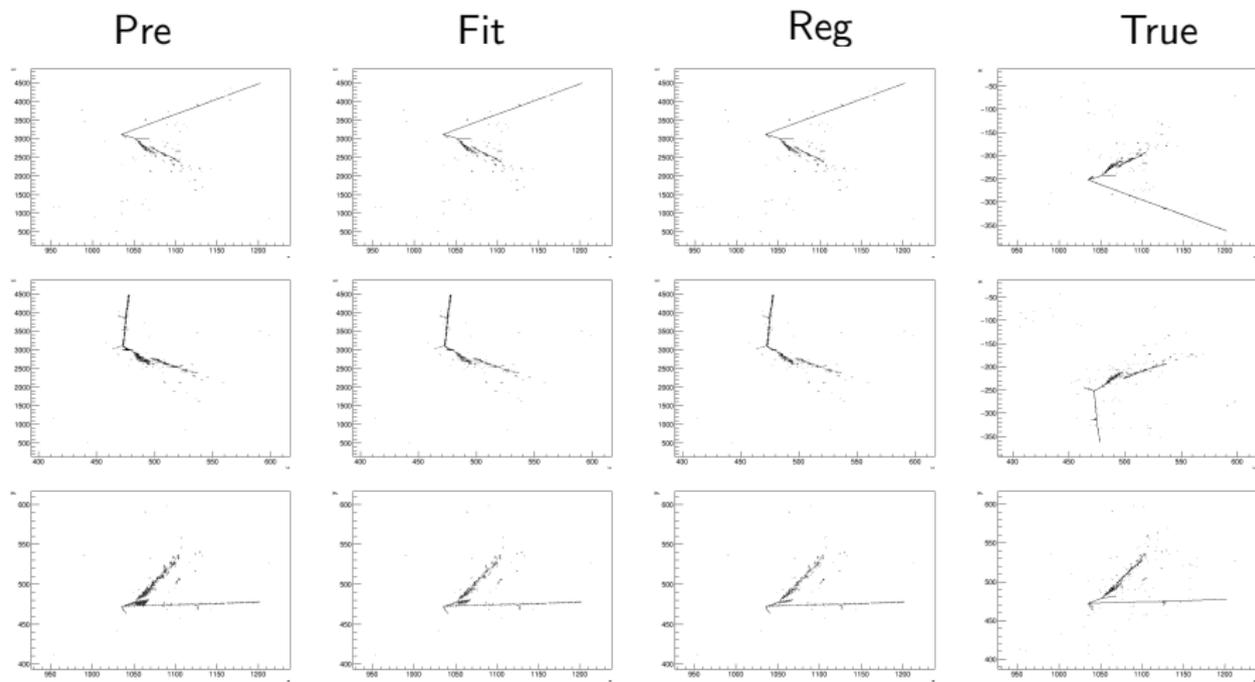
Reg

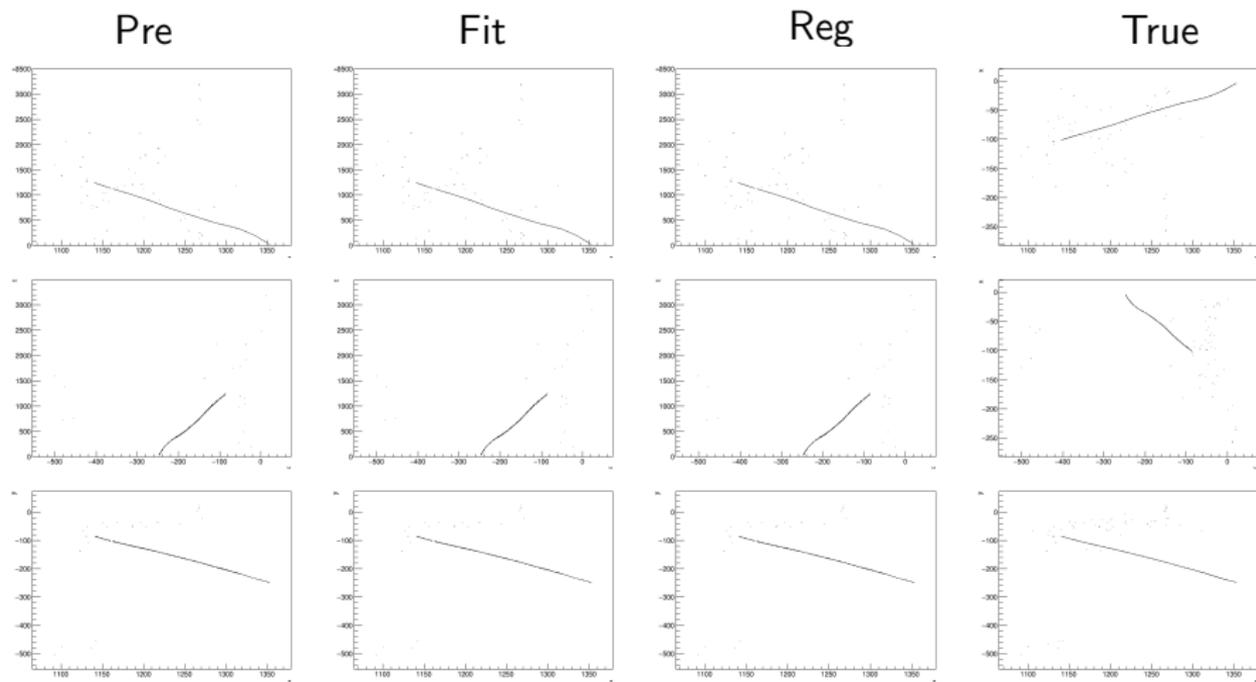
True

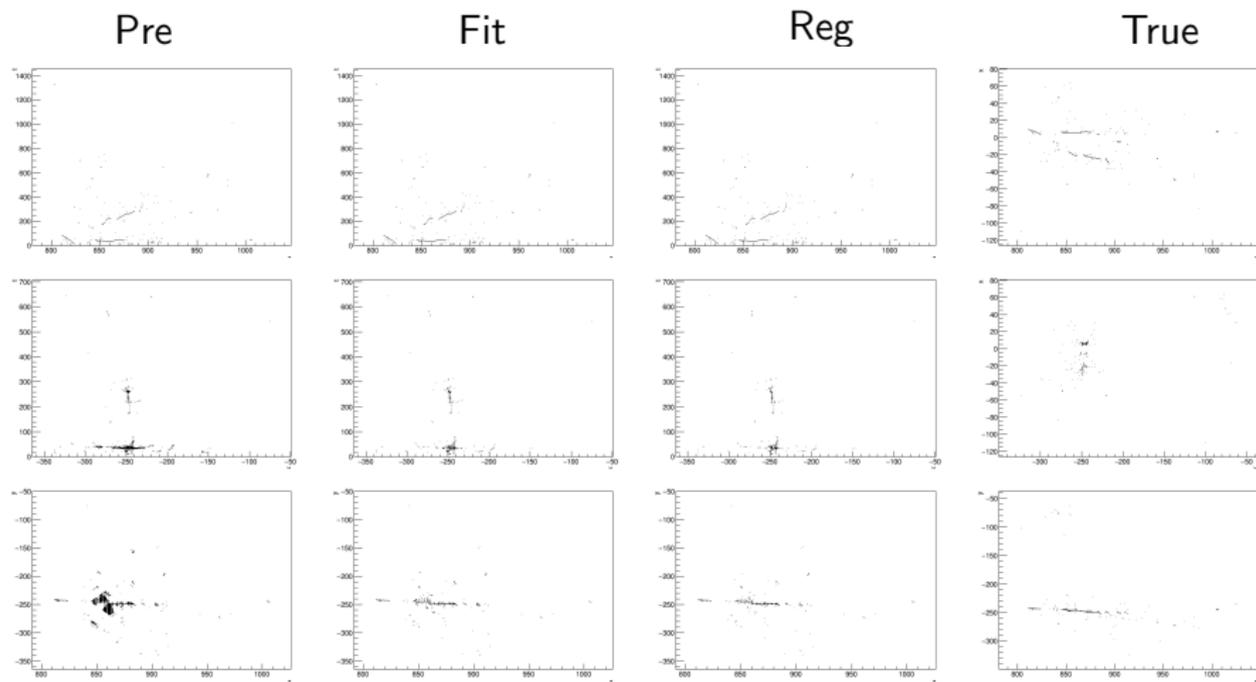










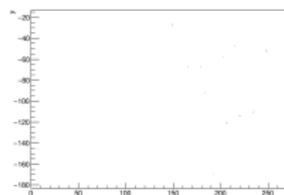
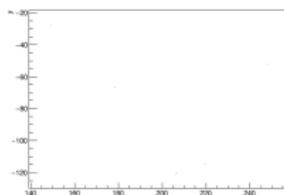
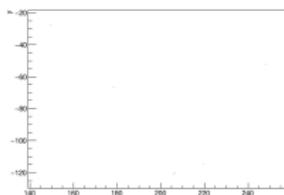
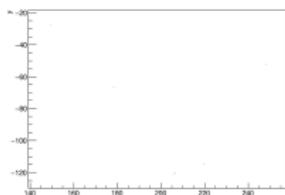
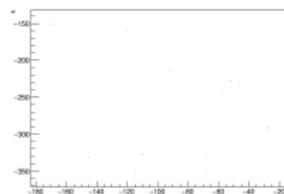
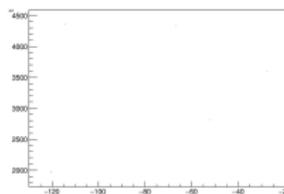
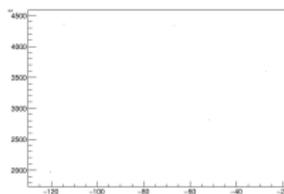
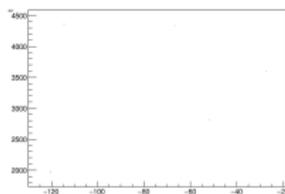
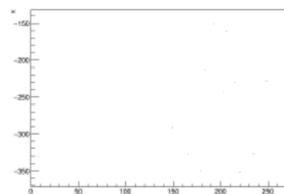
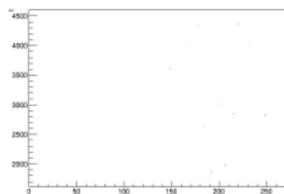
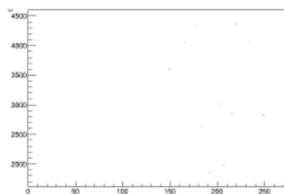
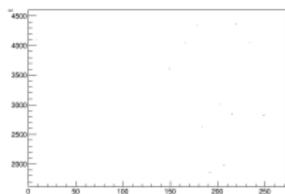


Pre

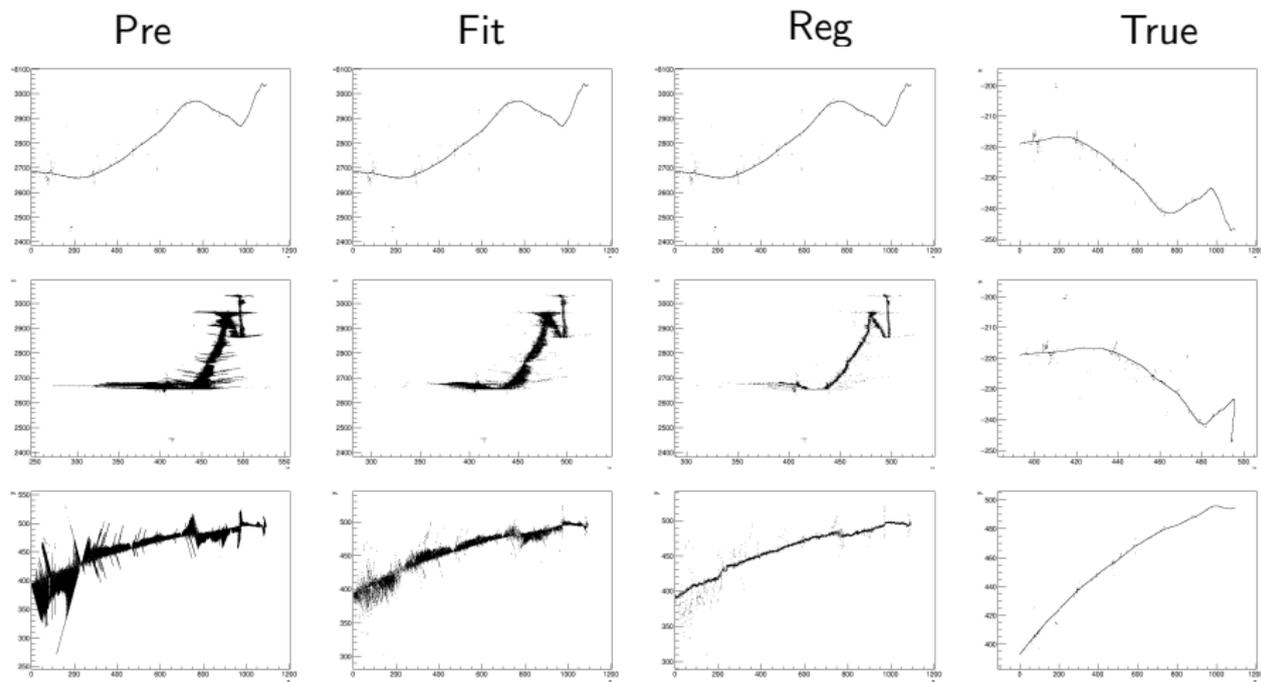
Fit

Reg

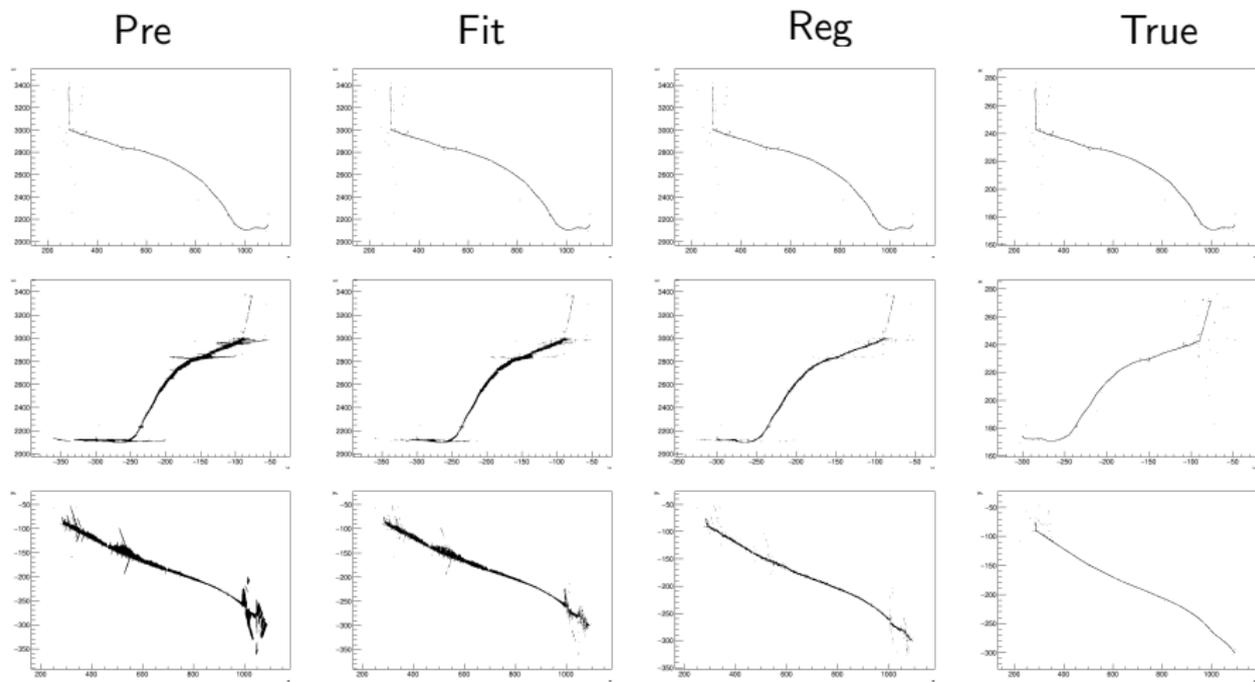
True



3491



3492



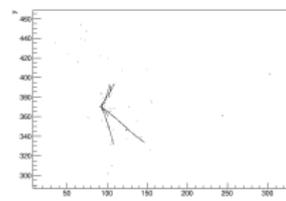
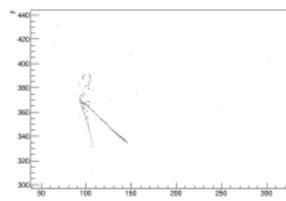
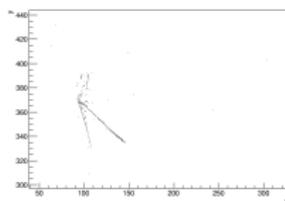
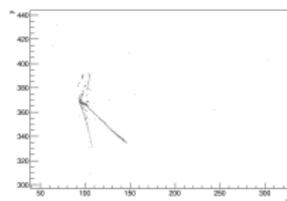
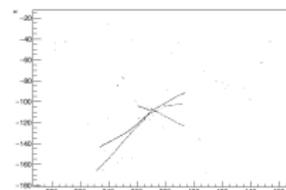
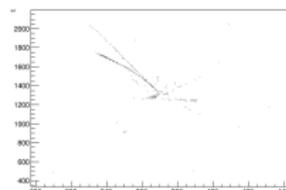
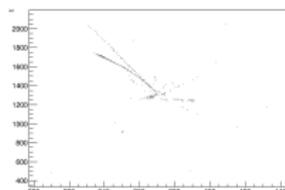
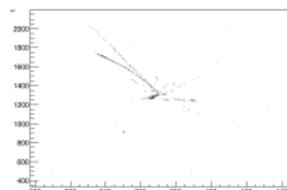
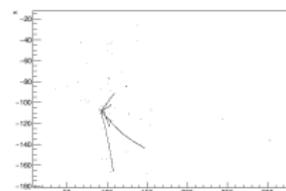
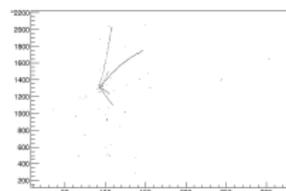
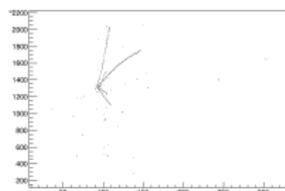
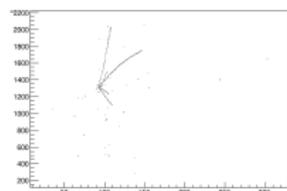
3493

Pre

Fit

Reg

True



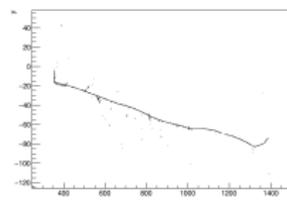
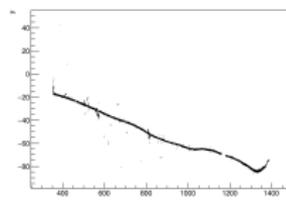
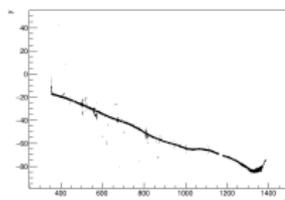
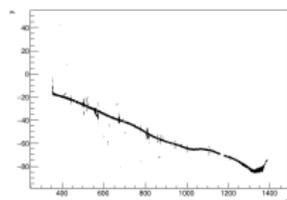
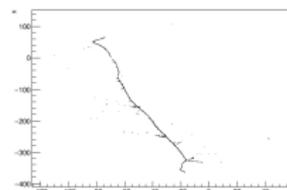
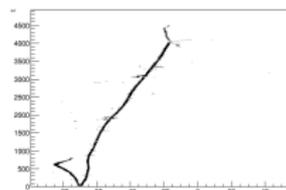
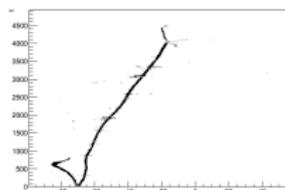
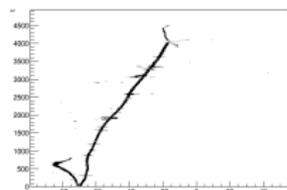
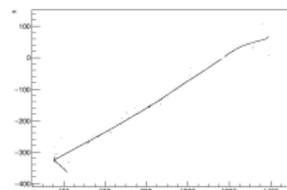
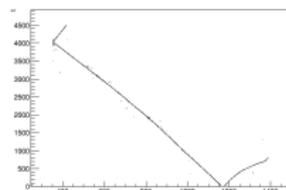
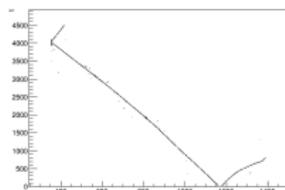
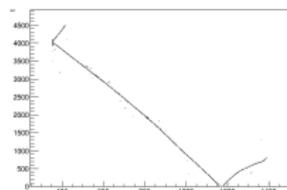
3494

Pre

Fit

Reg

True



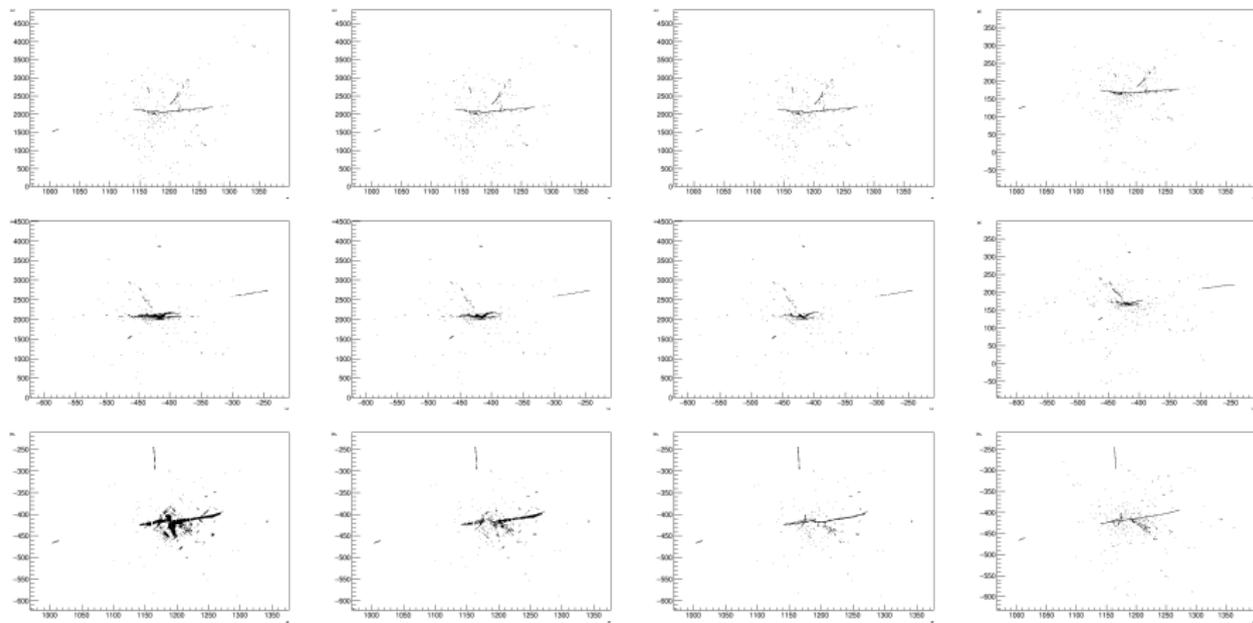
3495

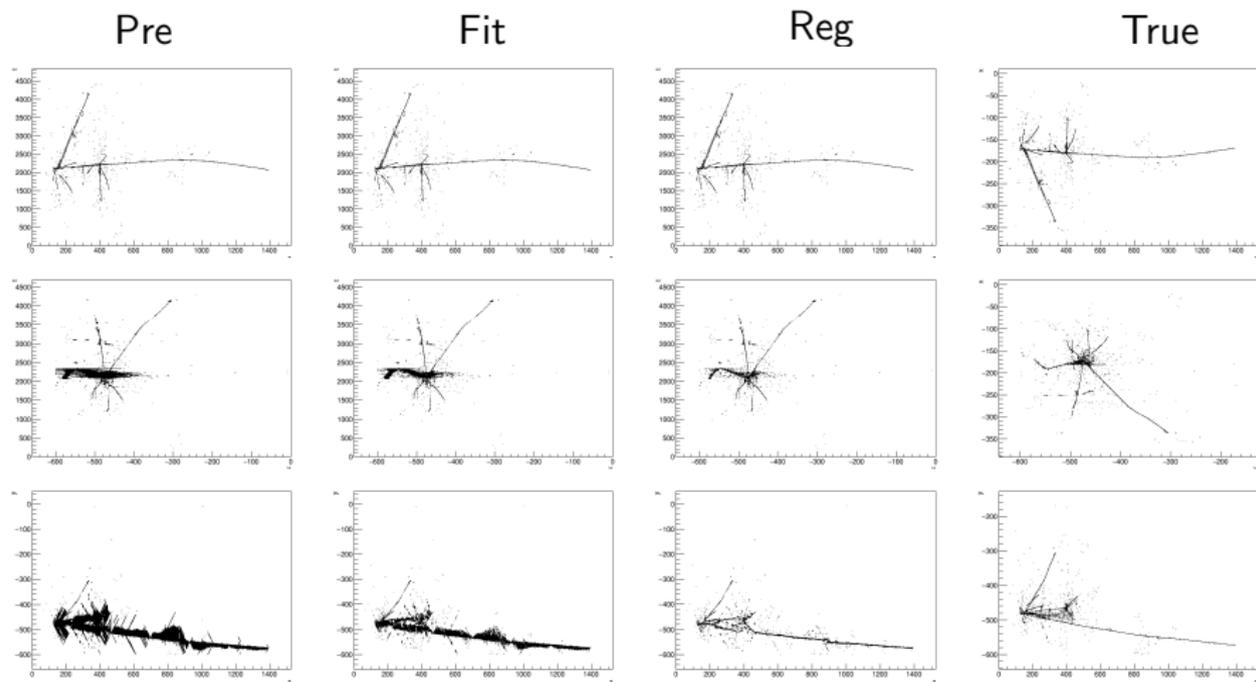
Pre

Fit

Reg

True





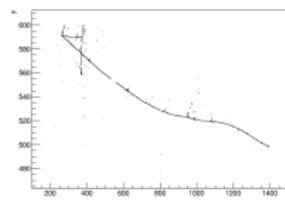
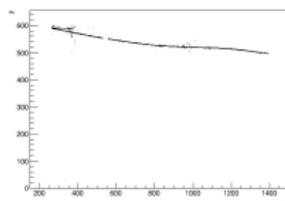
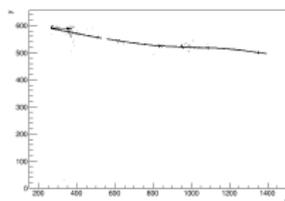
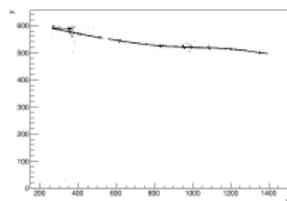
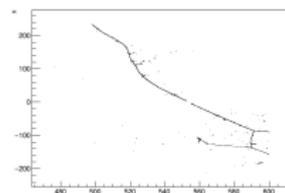
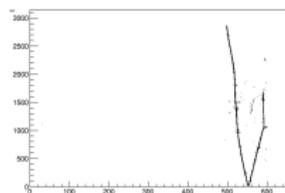
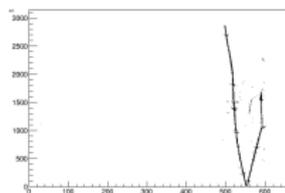
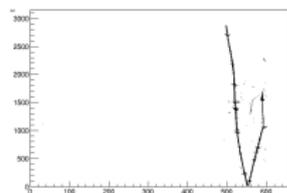
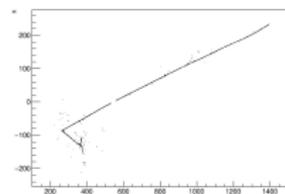
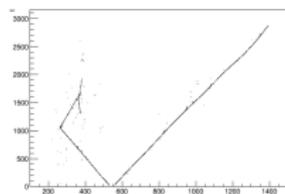
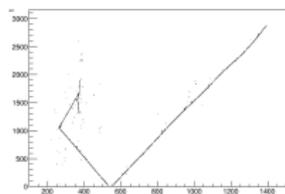
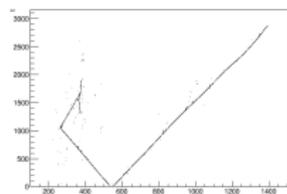
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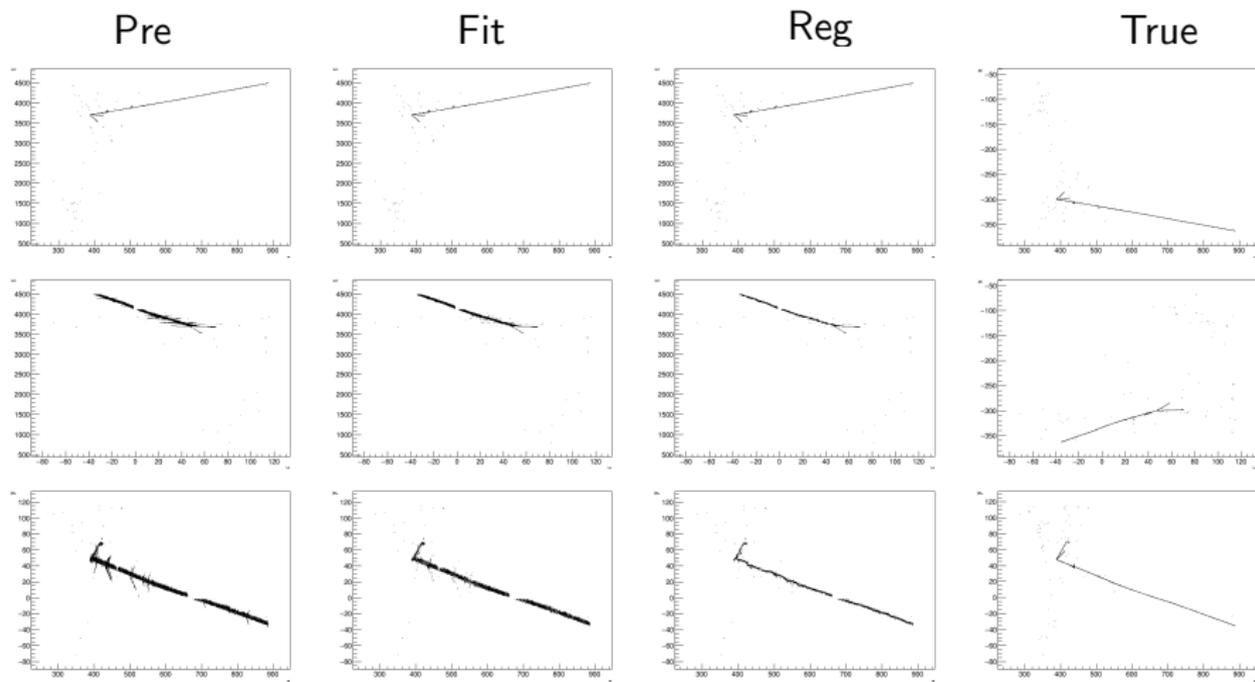
Pre

Fit

Reg

True





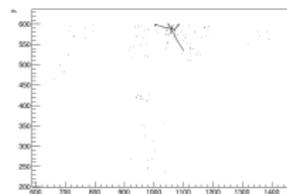
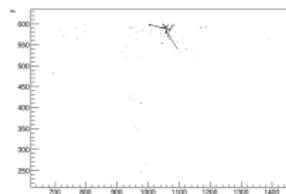
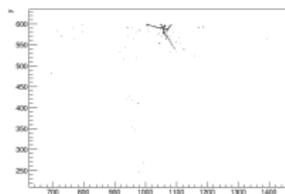
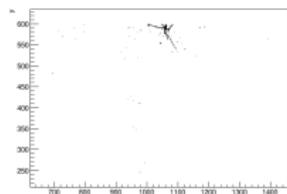
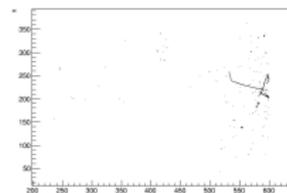
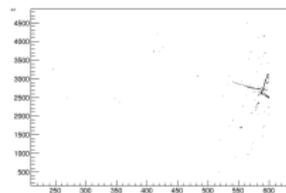
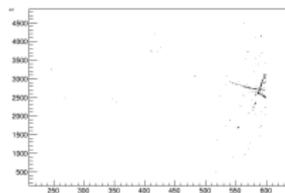
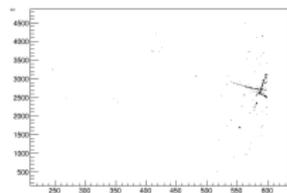
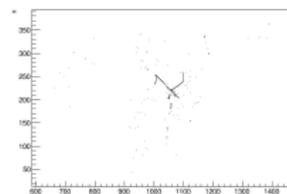
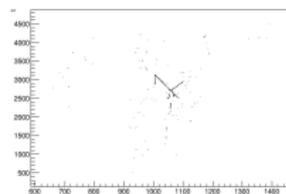
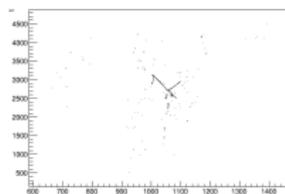
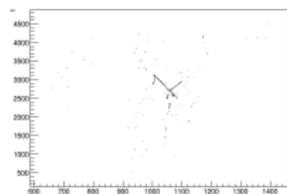
3499

Pre

Fit

Reg

True



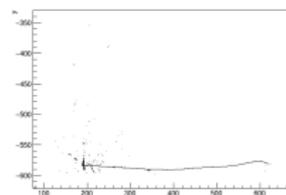
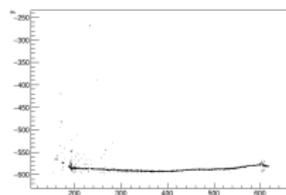
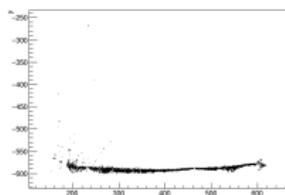
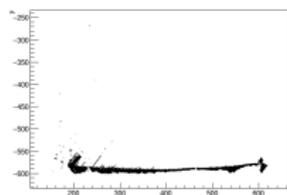
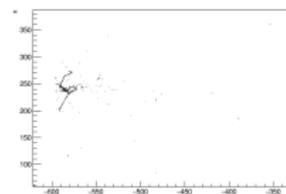
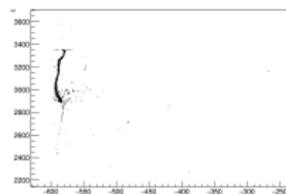
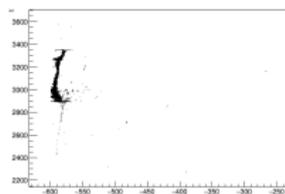
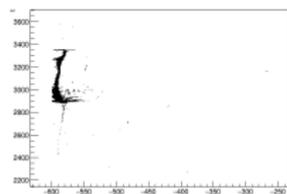
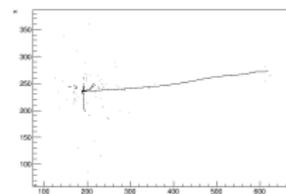
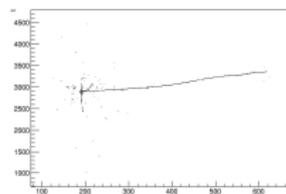
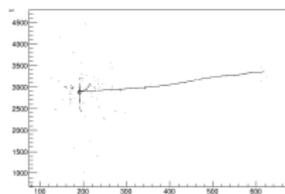
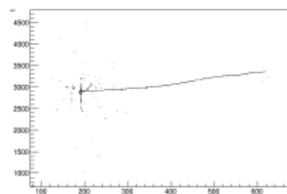
# 3500

## Pre

## Fit

## Reg

## True

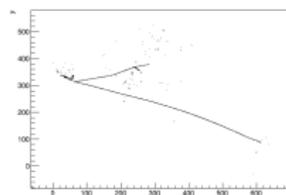
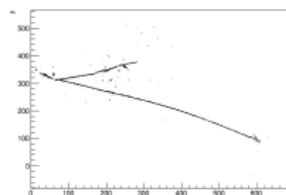
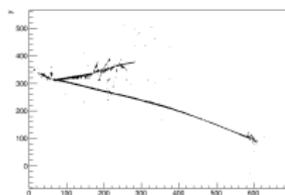
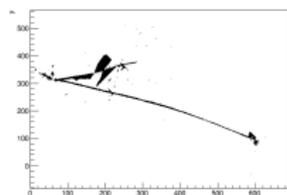
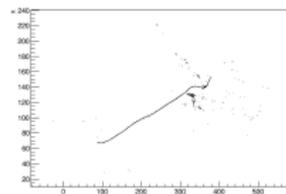
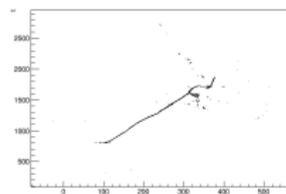
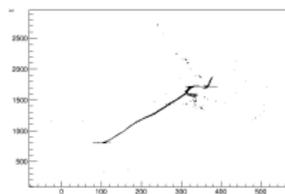
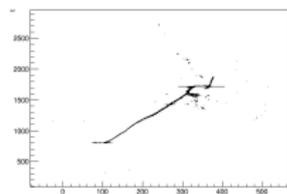
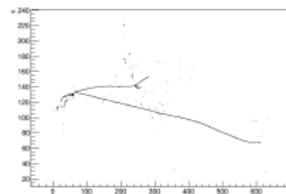
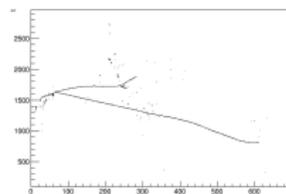
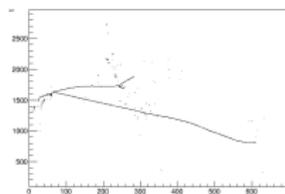
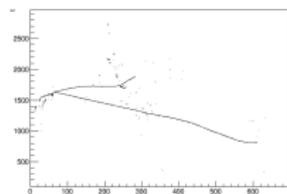


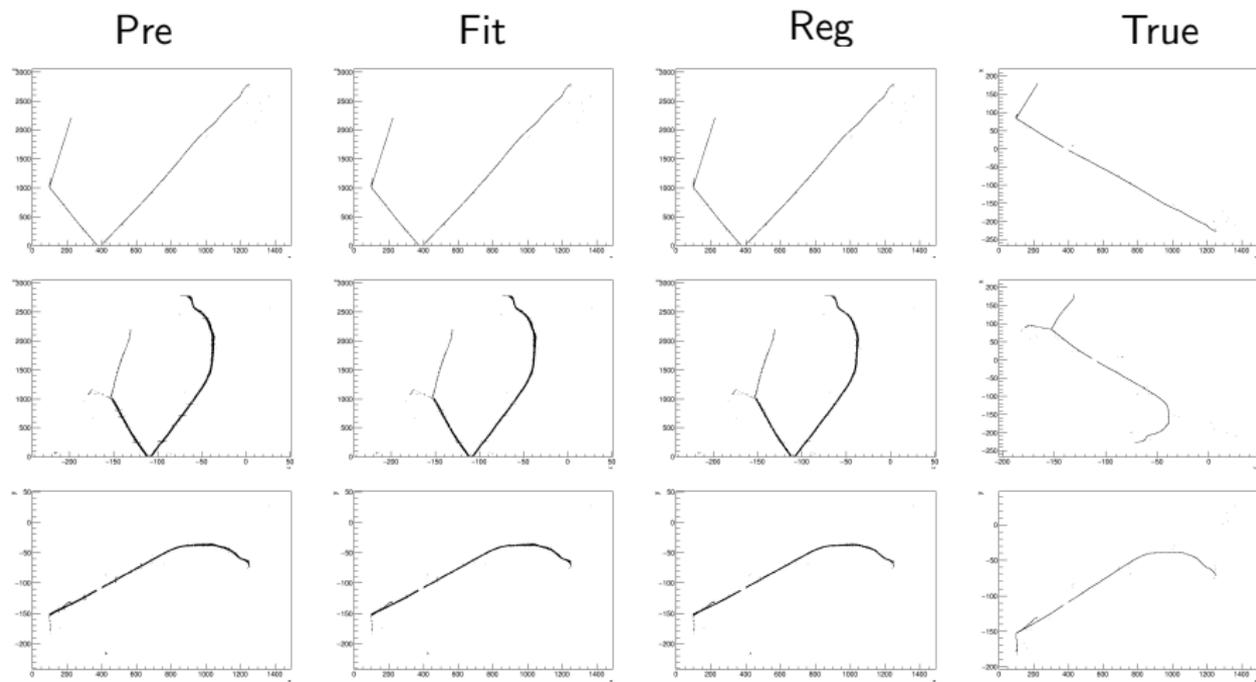
Pre

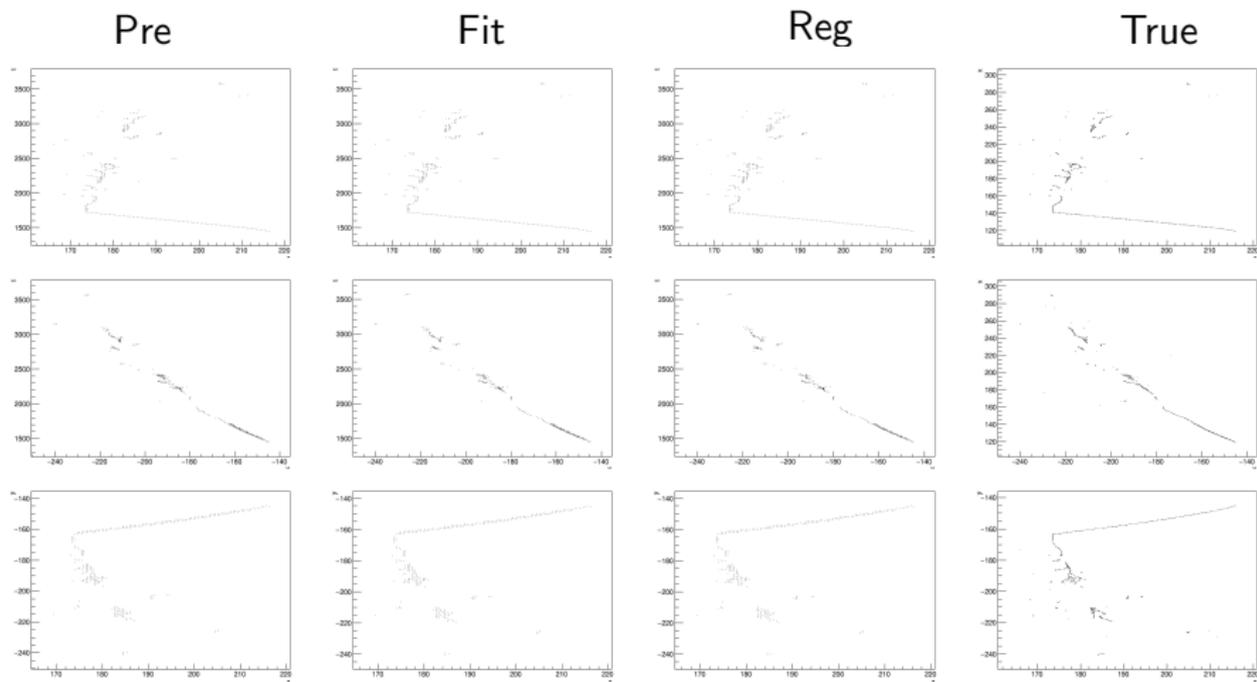
Fit

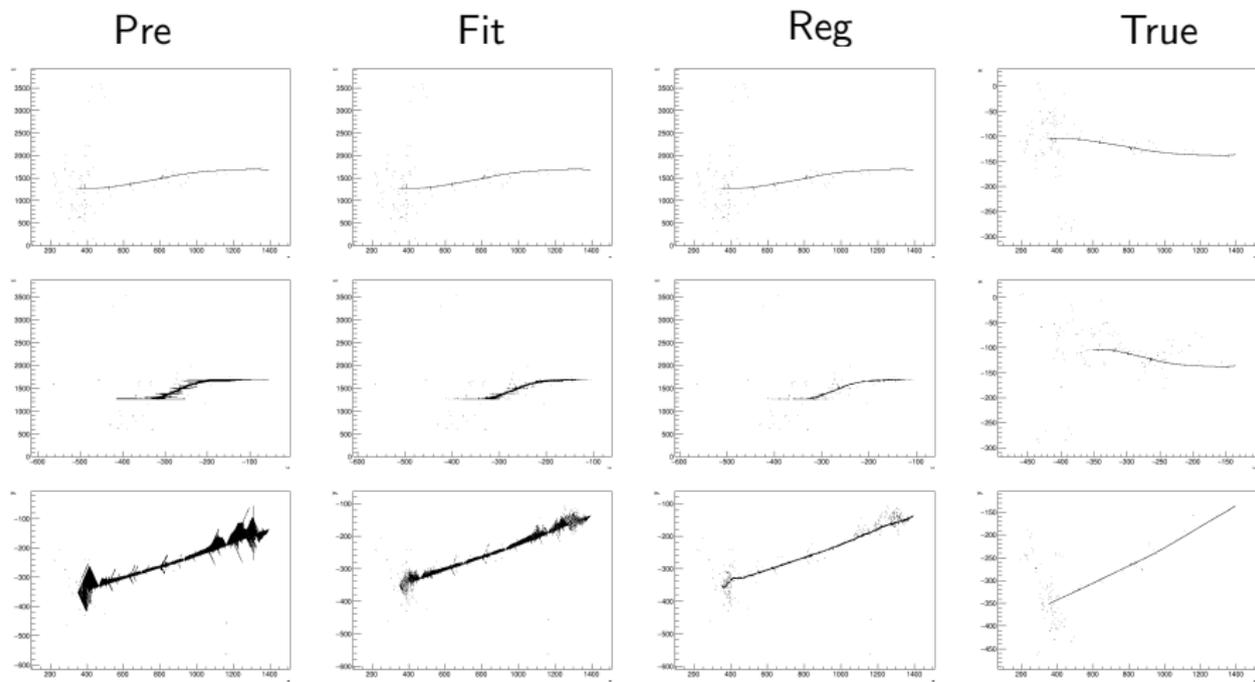
Reg

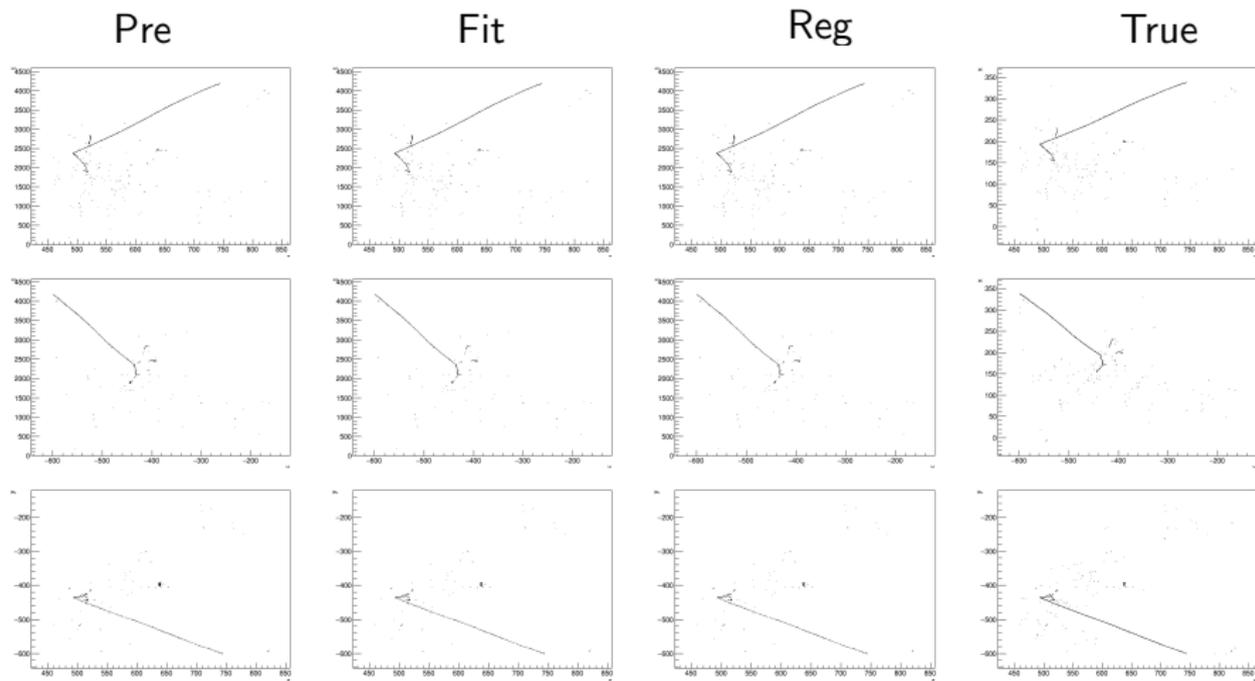
True

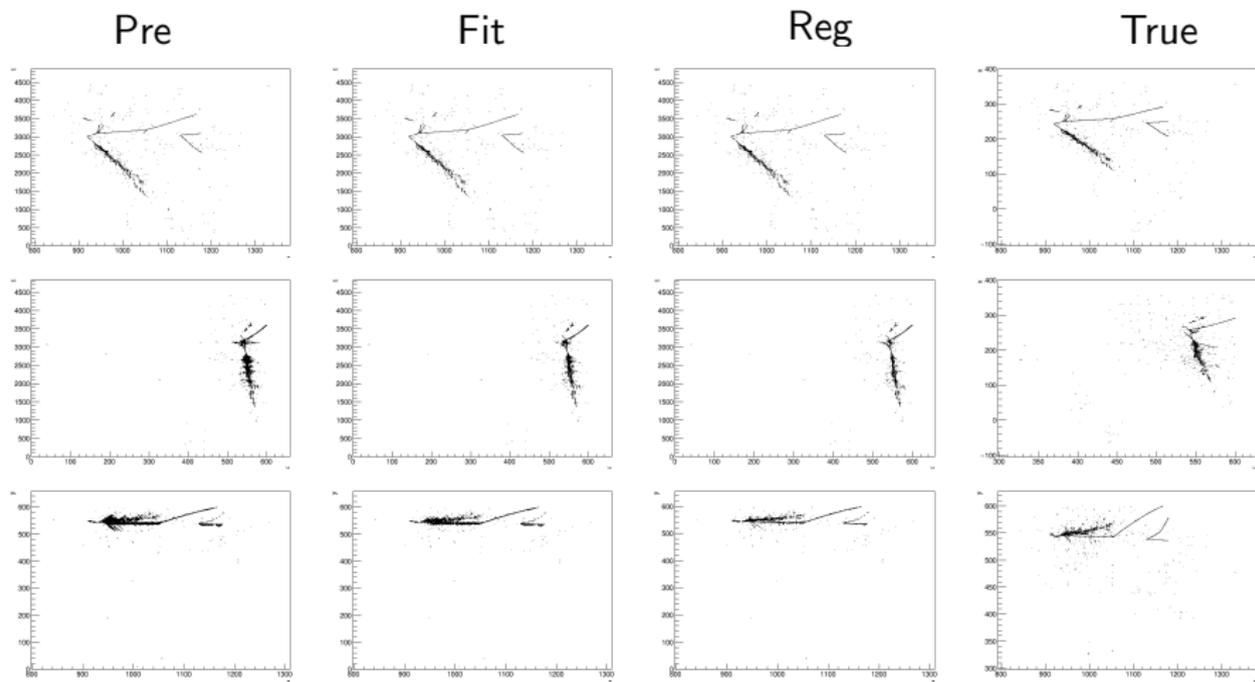




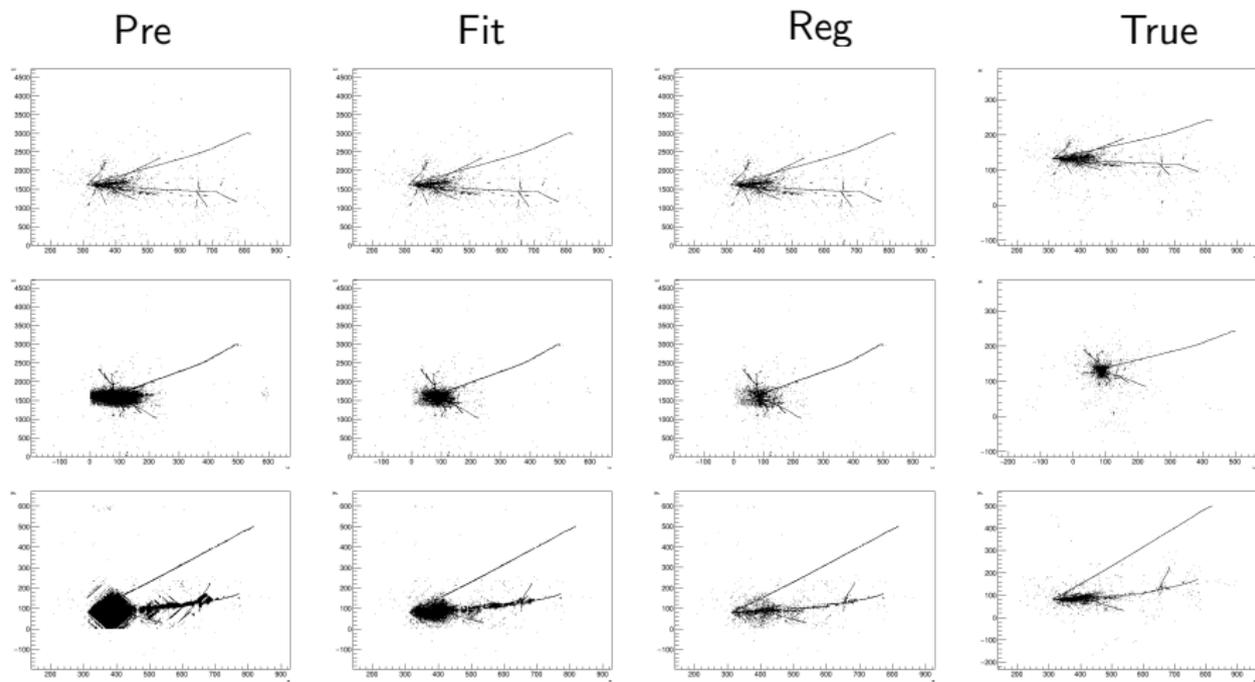








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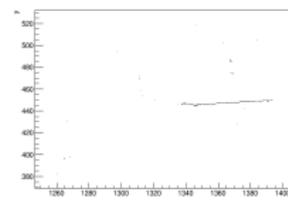
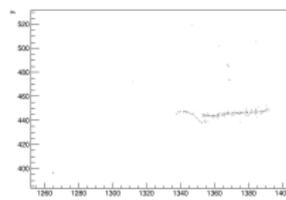
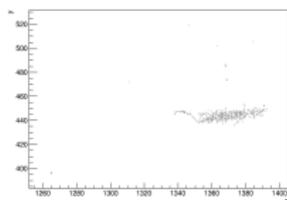
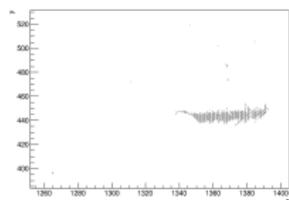
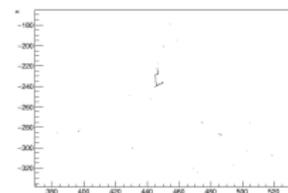
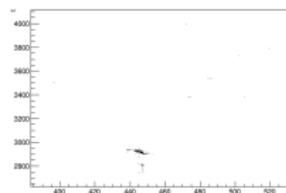
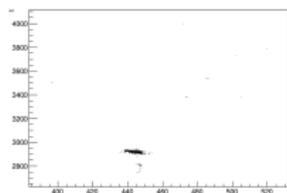
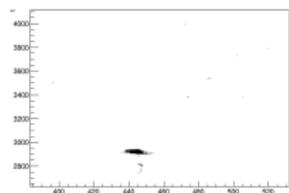
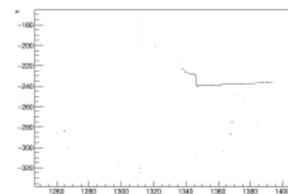
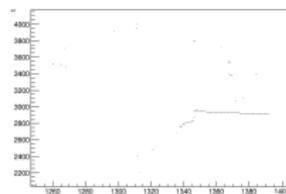
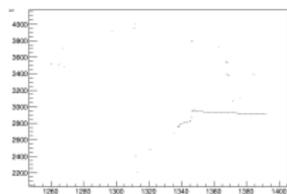
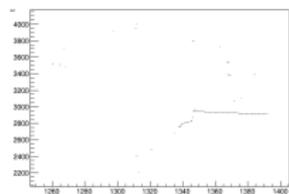


Pre

Fit

Reg

True

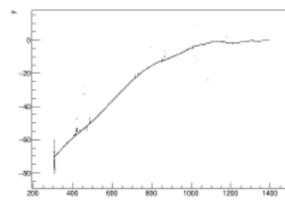
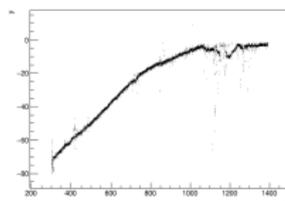
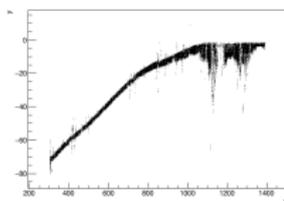
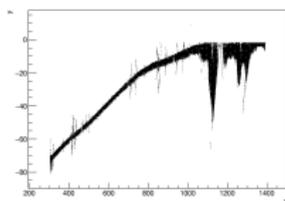
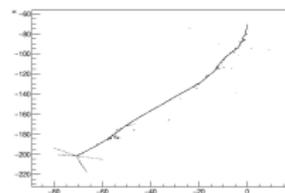
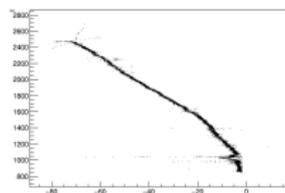
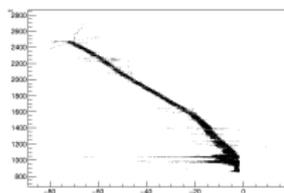
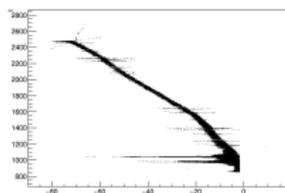
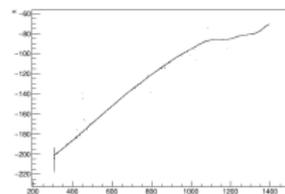
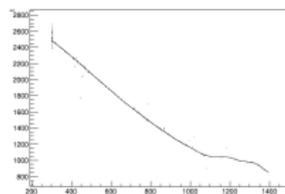
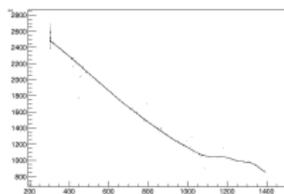
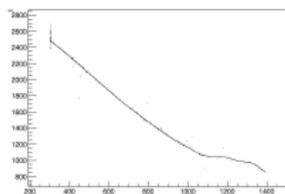


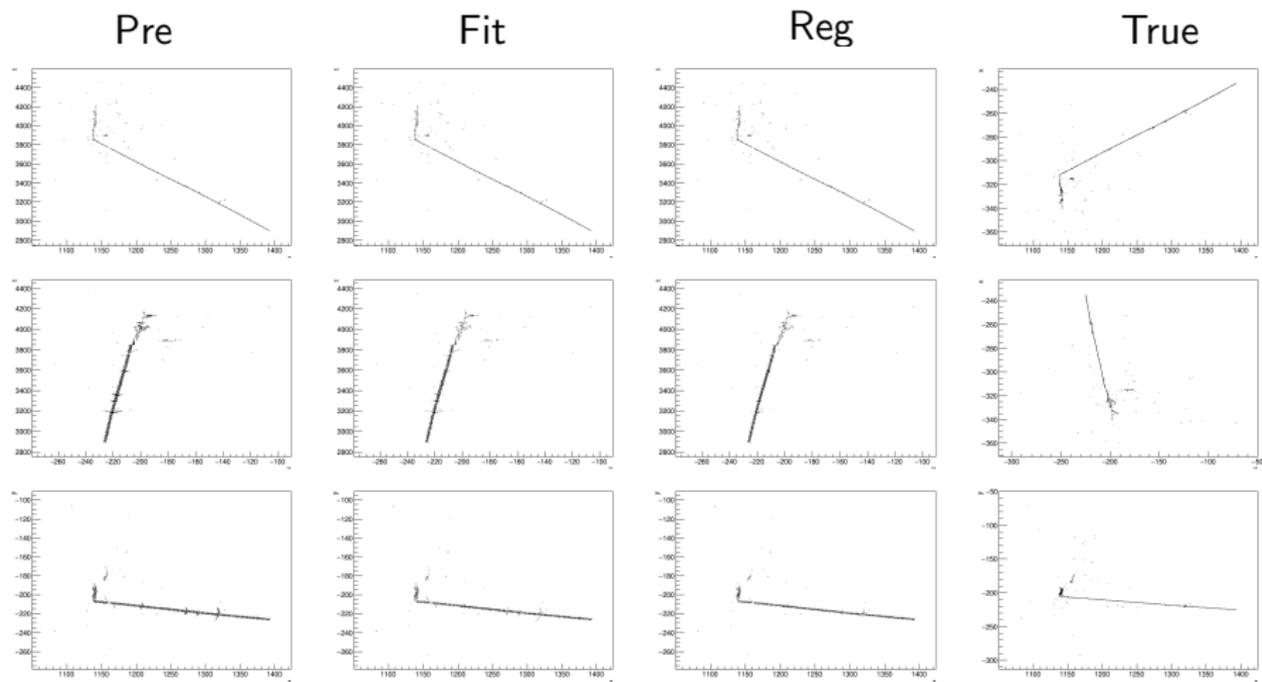
Pre

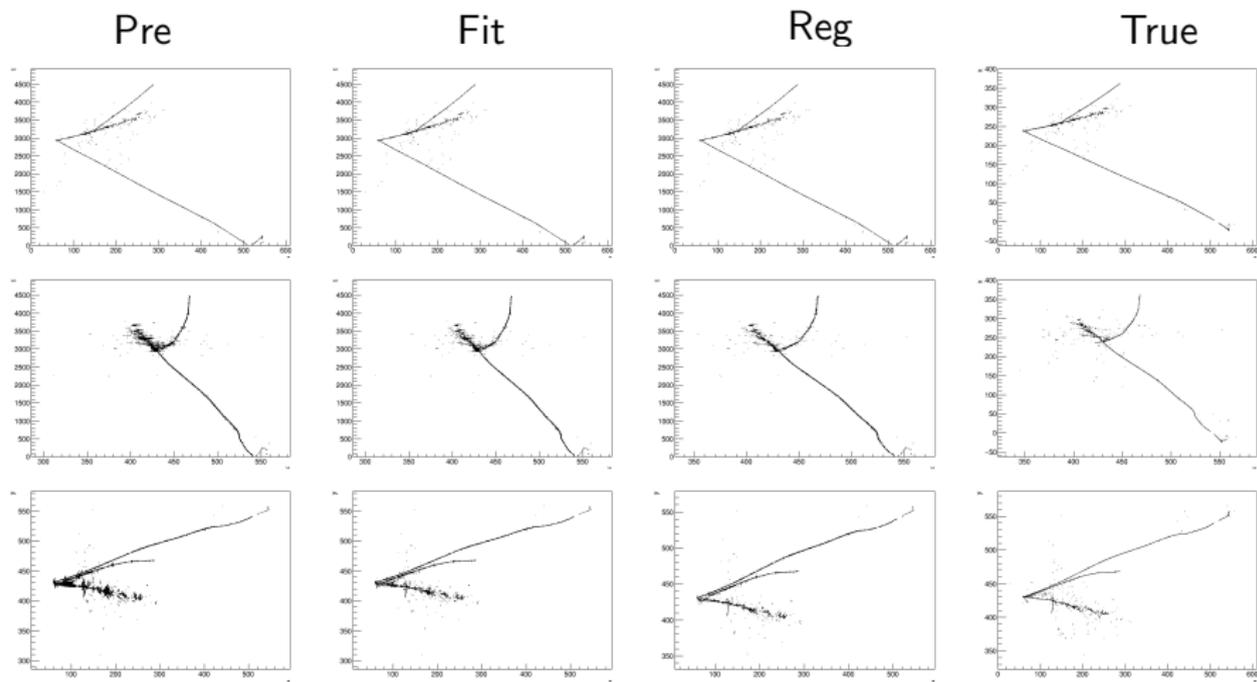
Fit

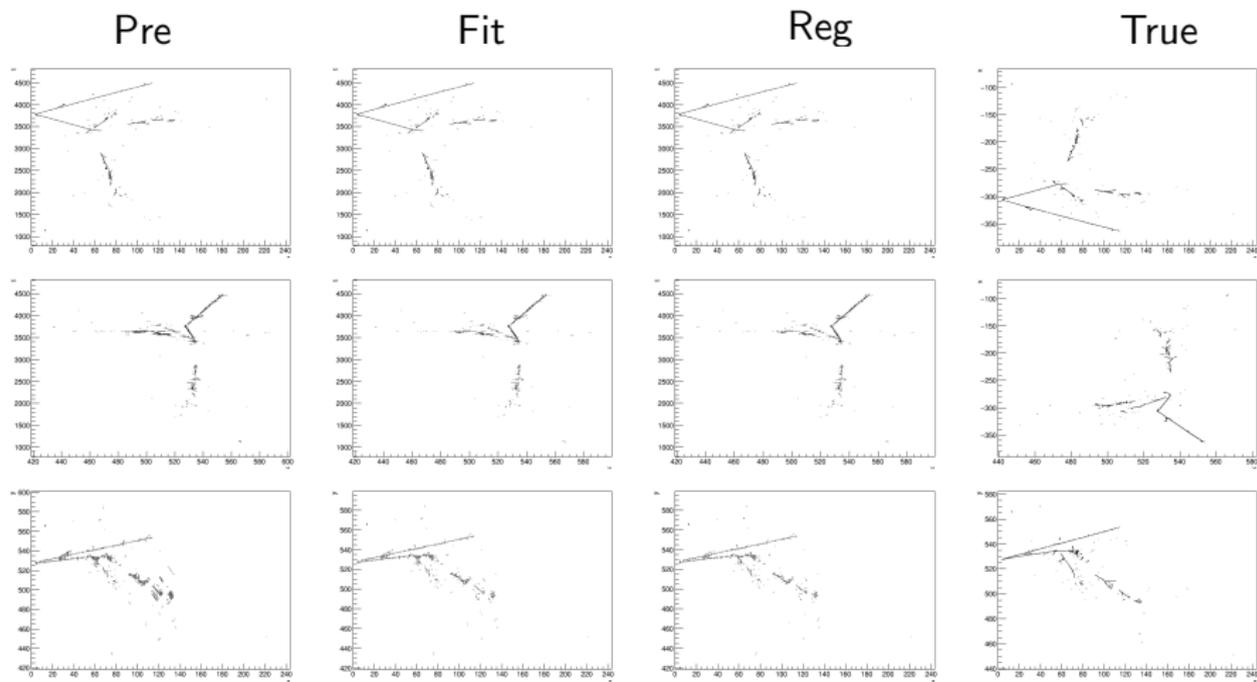
Reg

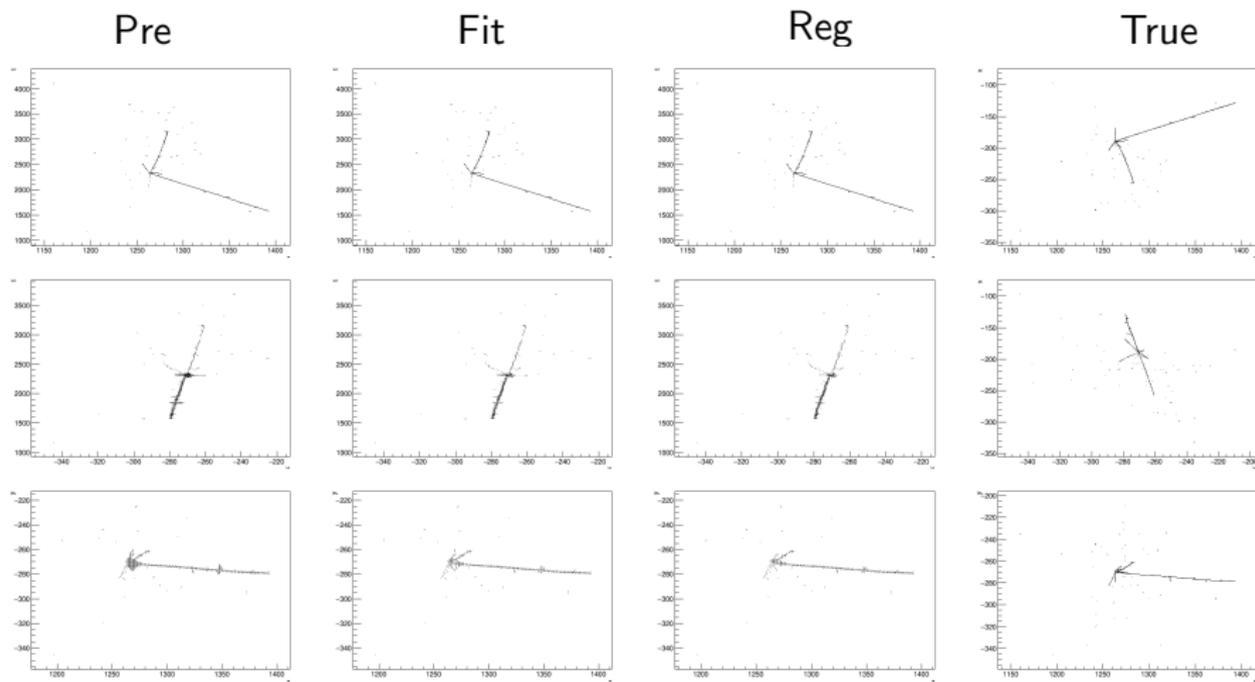
True









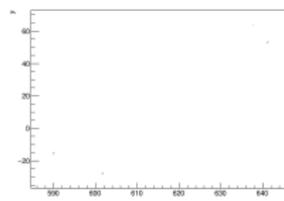
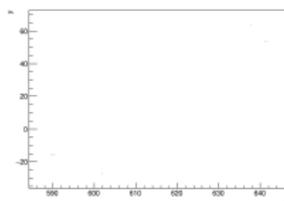
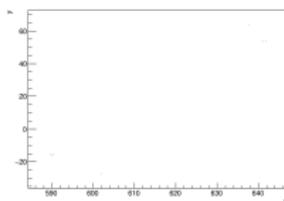
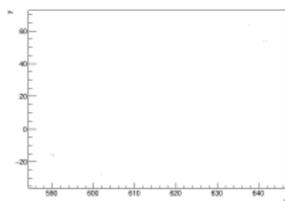
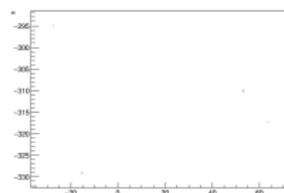
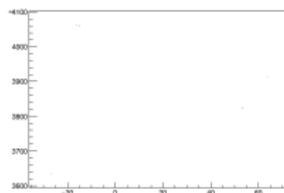
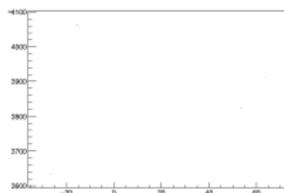
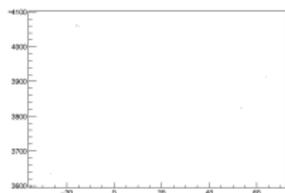
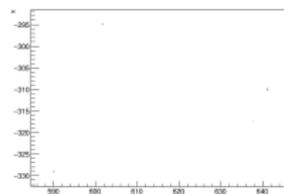
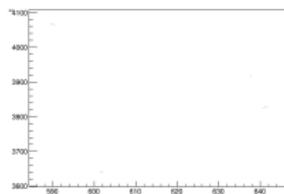
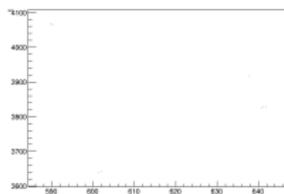
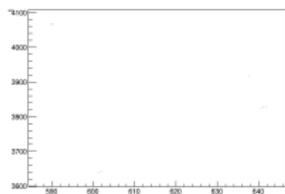


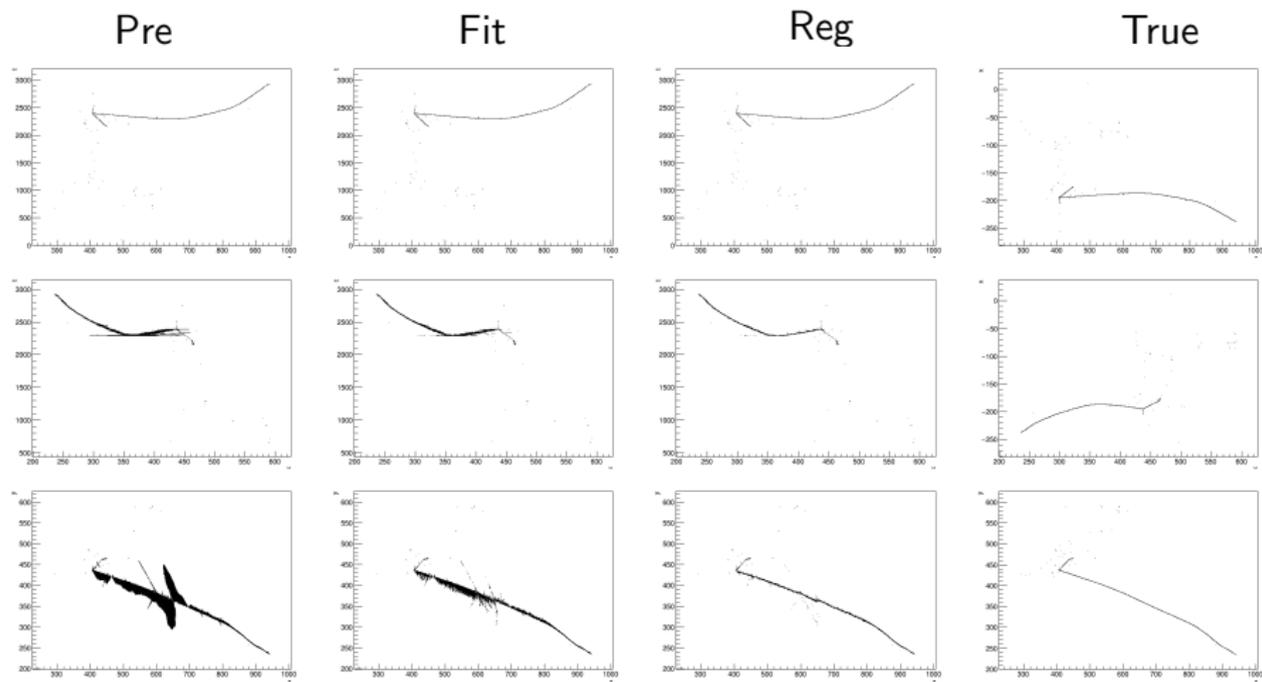
Pre

Fit

Reg

True



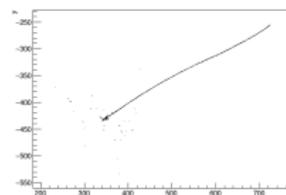
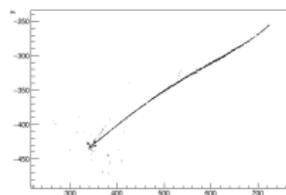
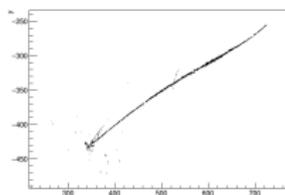
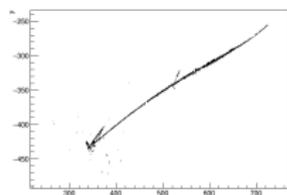
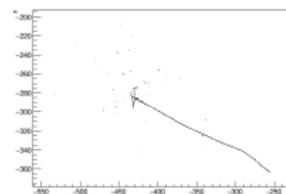
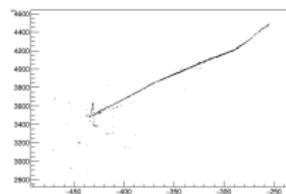
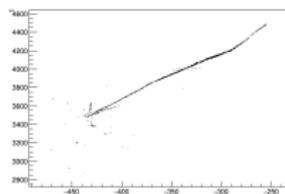
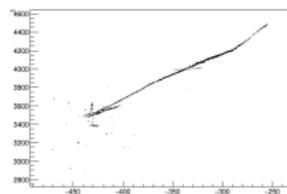
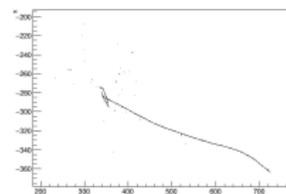
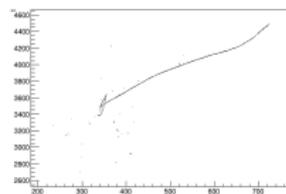
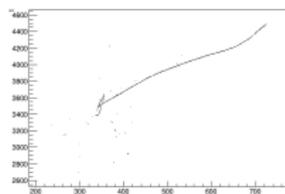
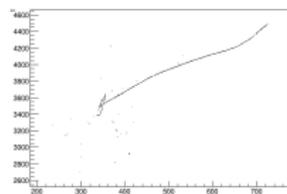


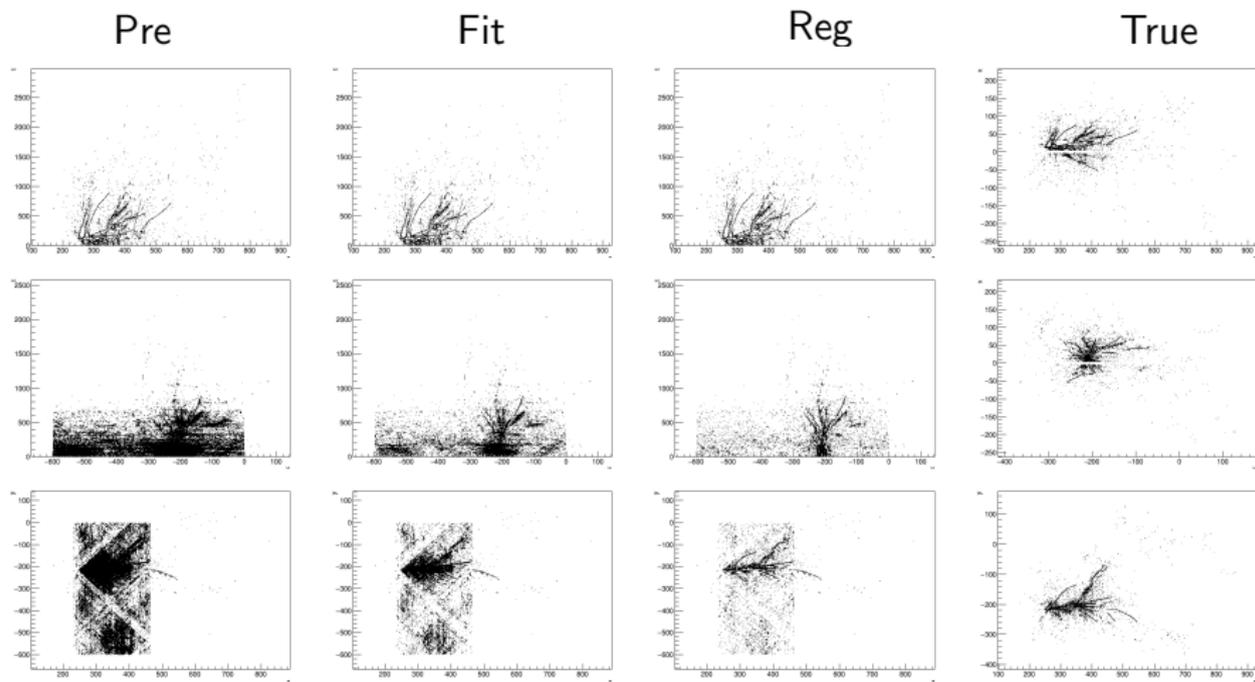
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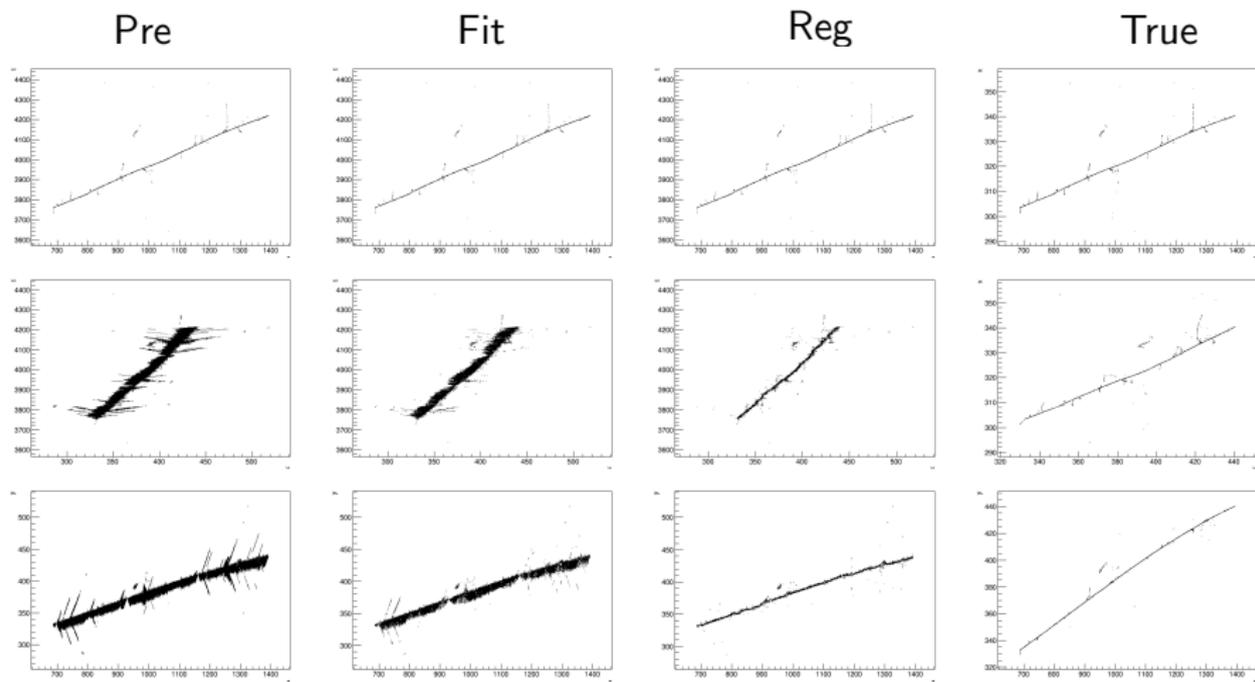
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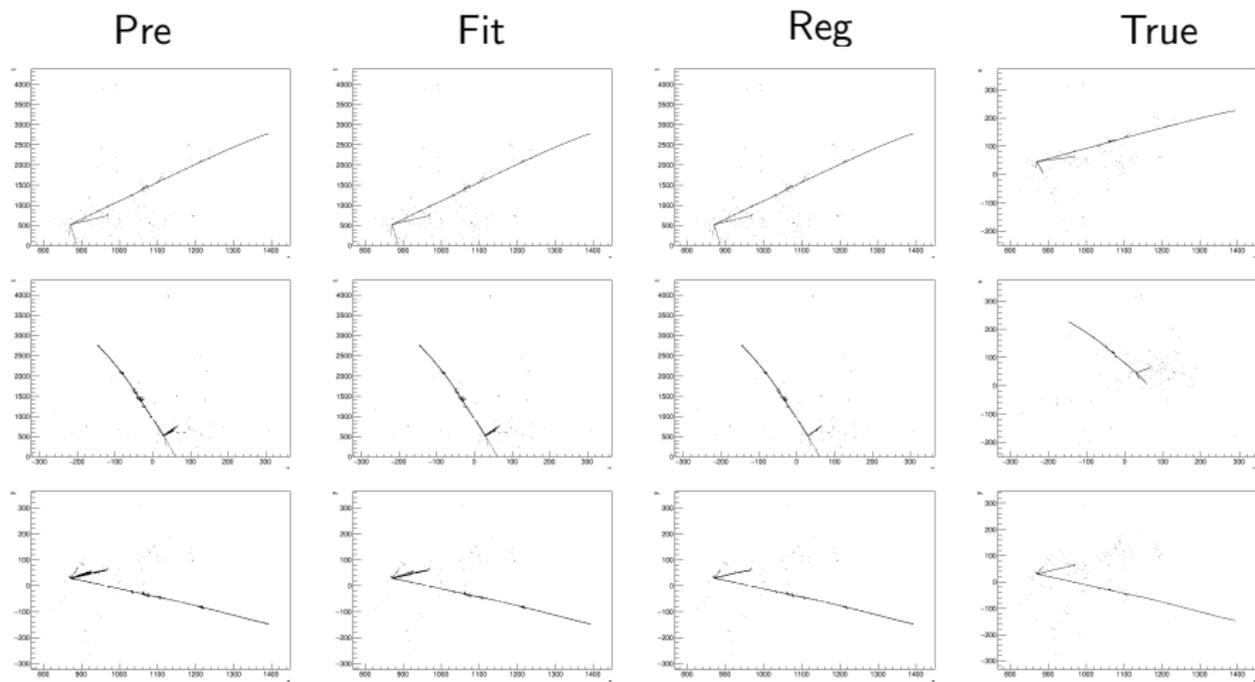
Reg

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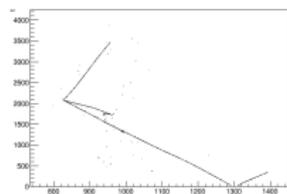




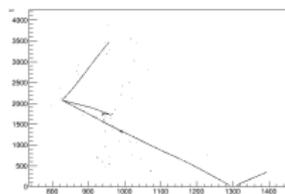




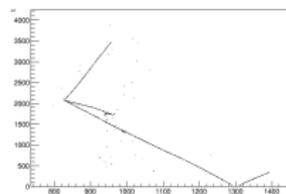
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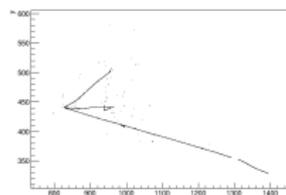
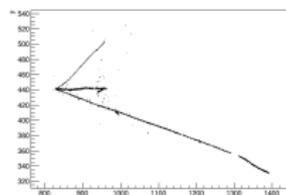
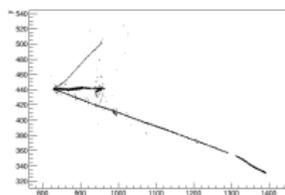
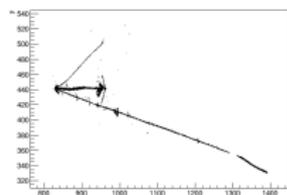
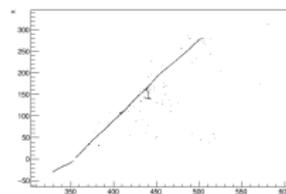
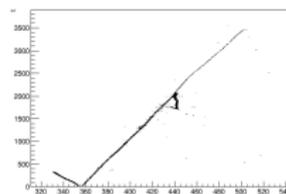
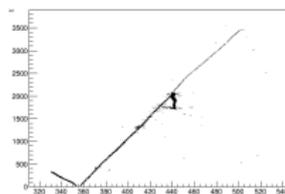
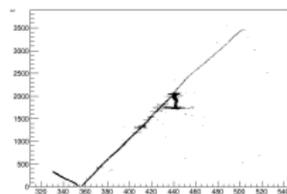
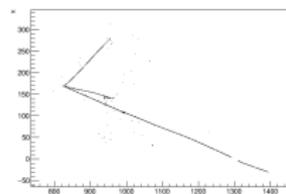
Fit

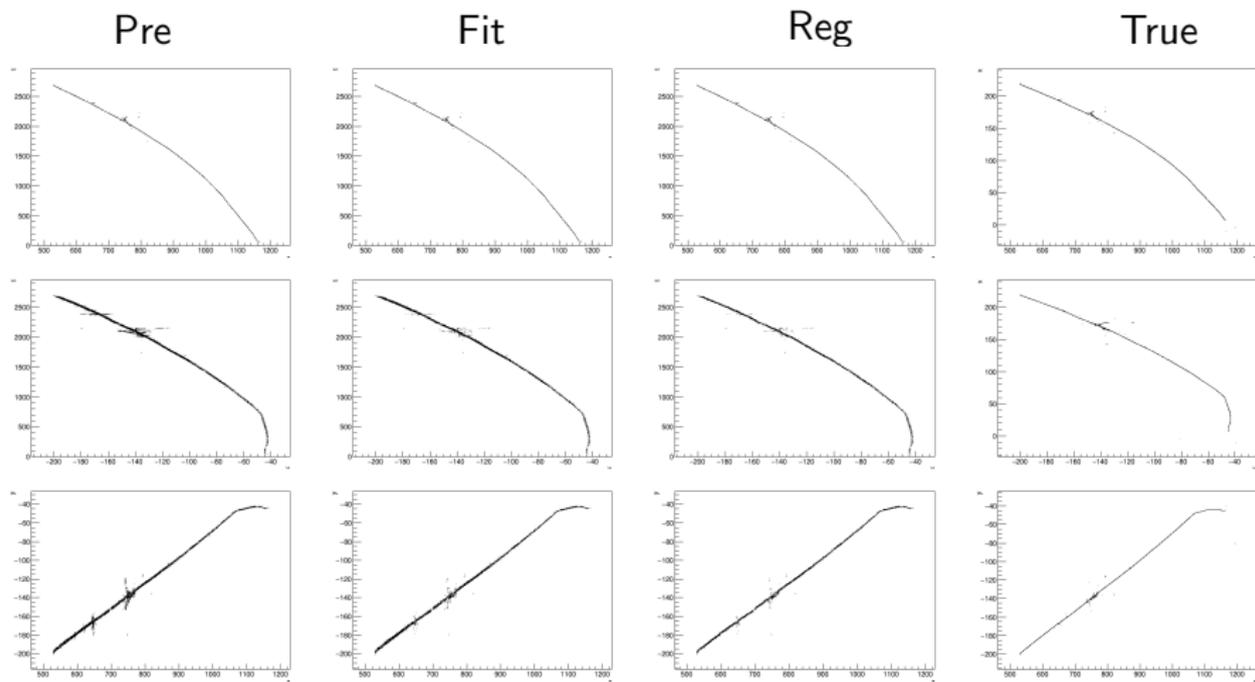


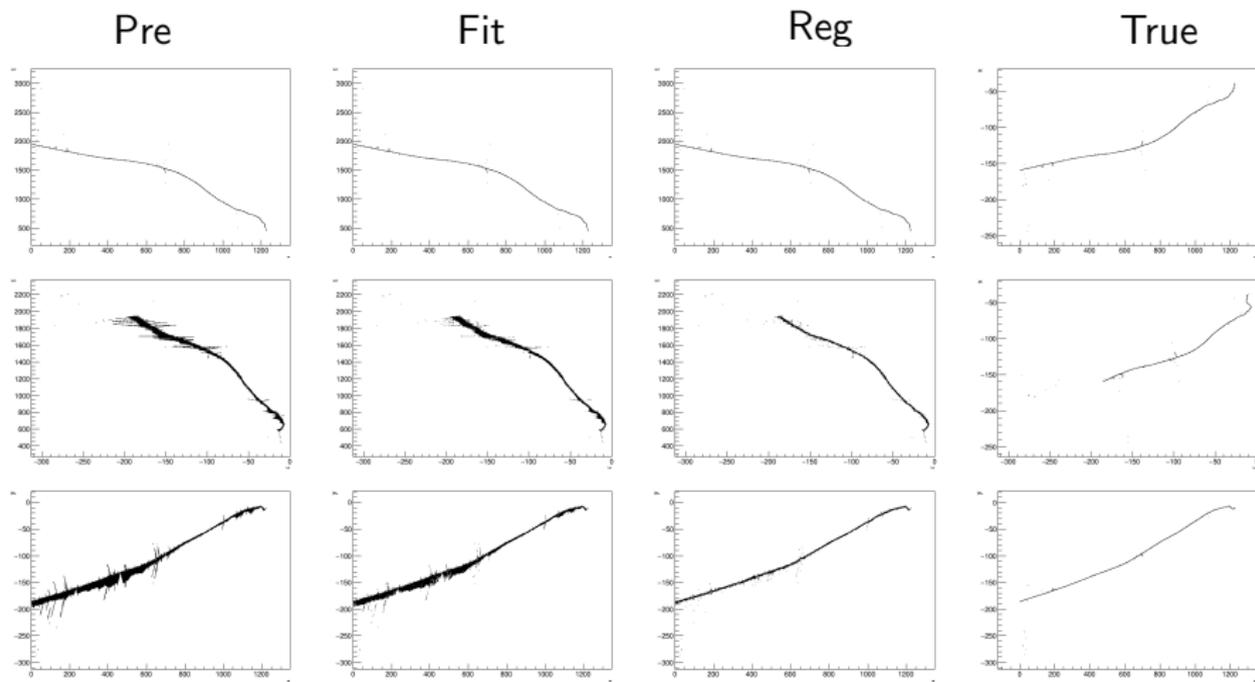
Reg



True





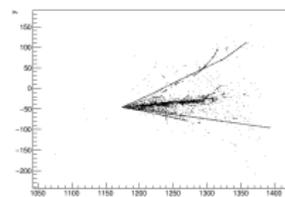
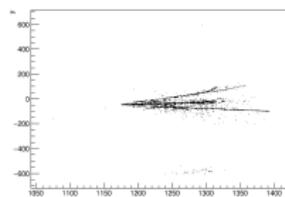
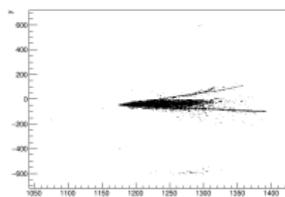
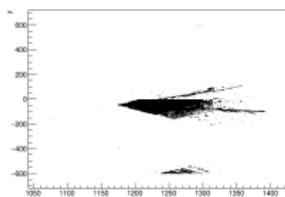
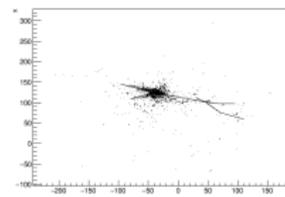
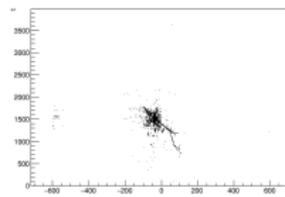
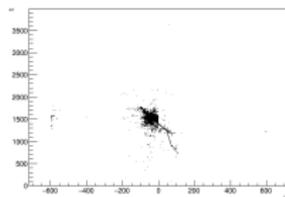
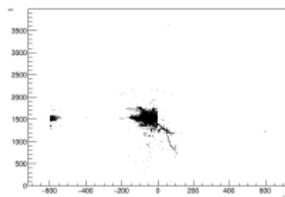
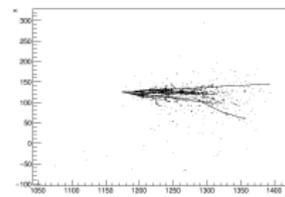
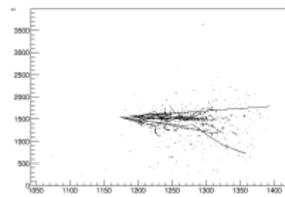
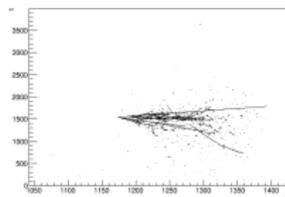
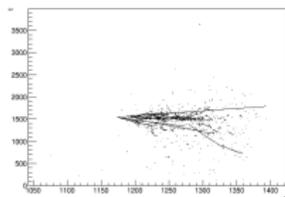


Pre

Fit

Reg

True

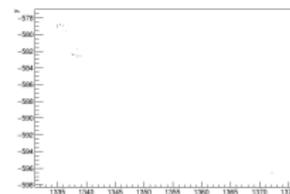
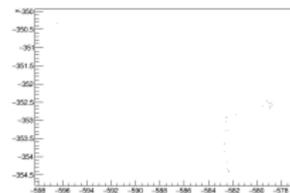
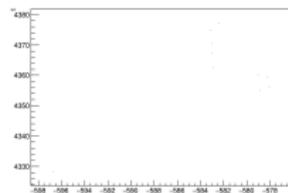
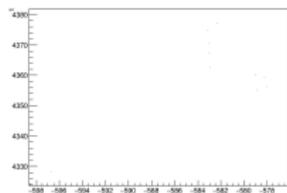
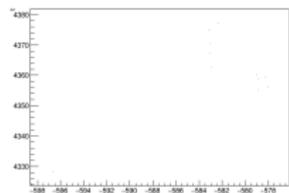
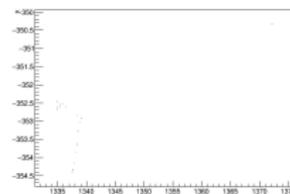
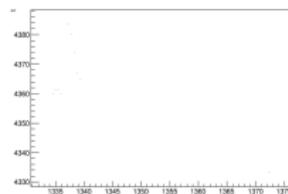
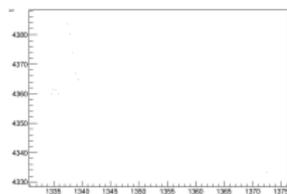
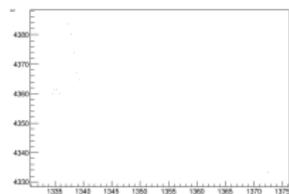


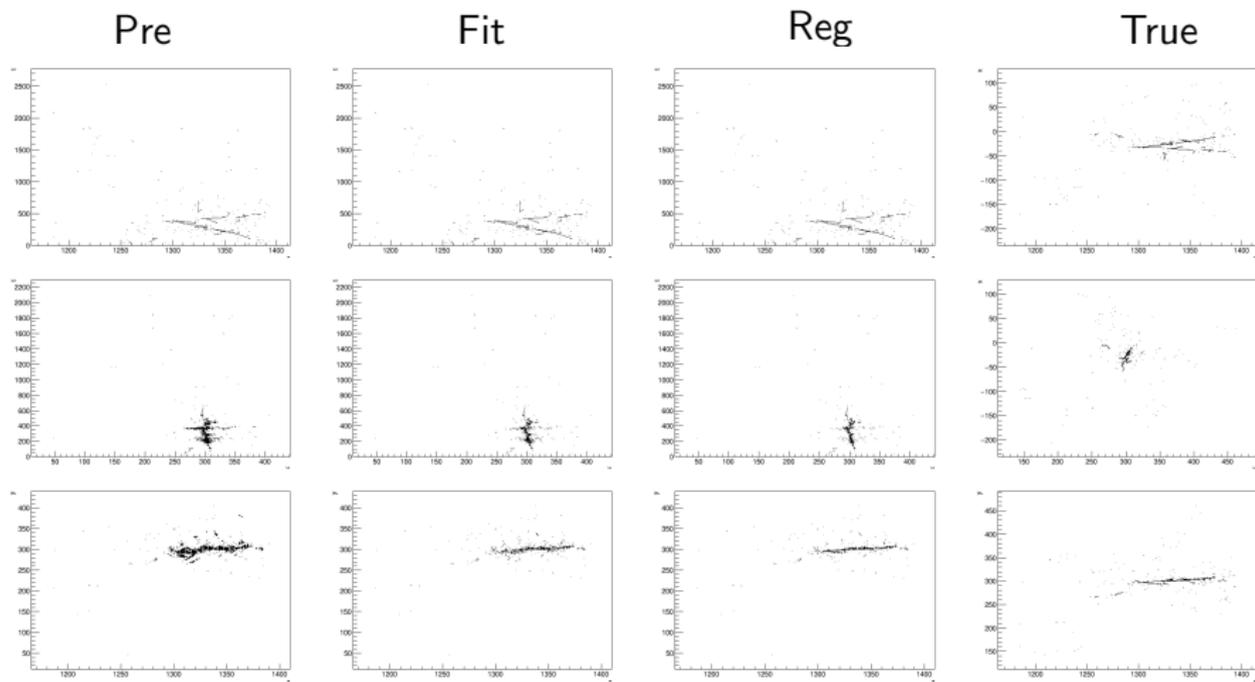
Pre

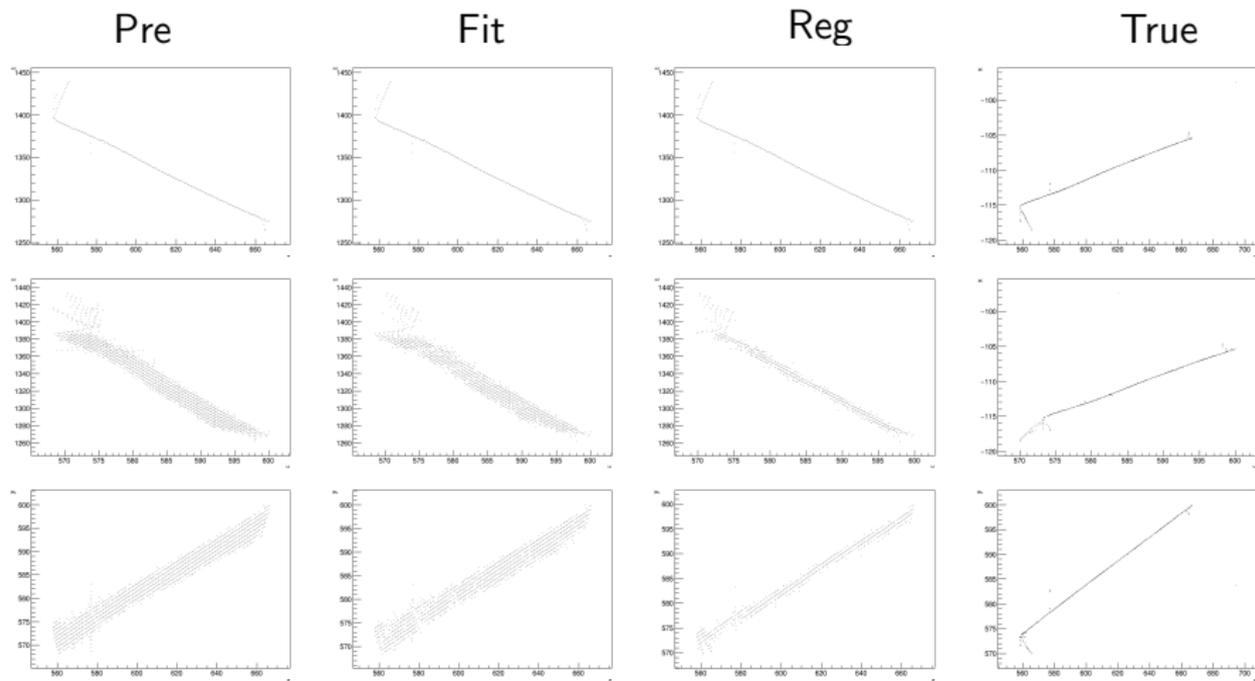
Fit

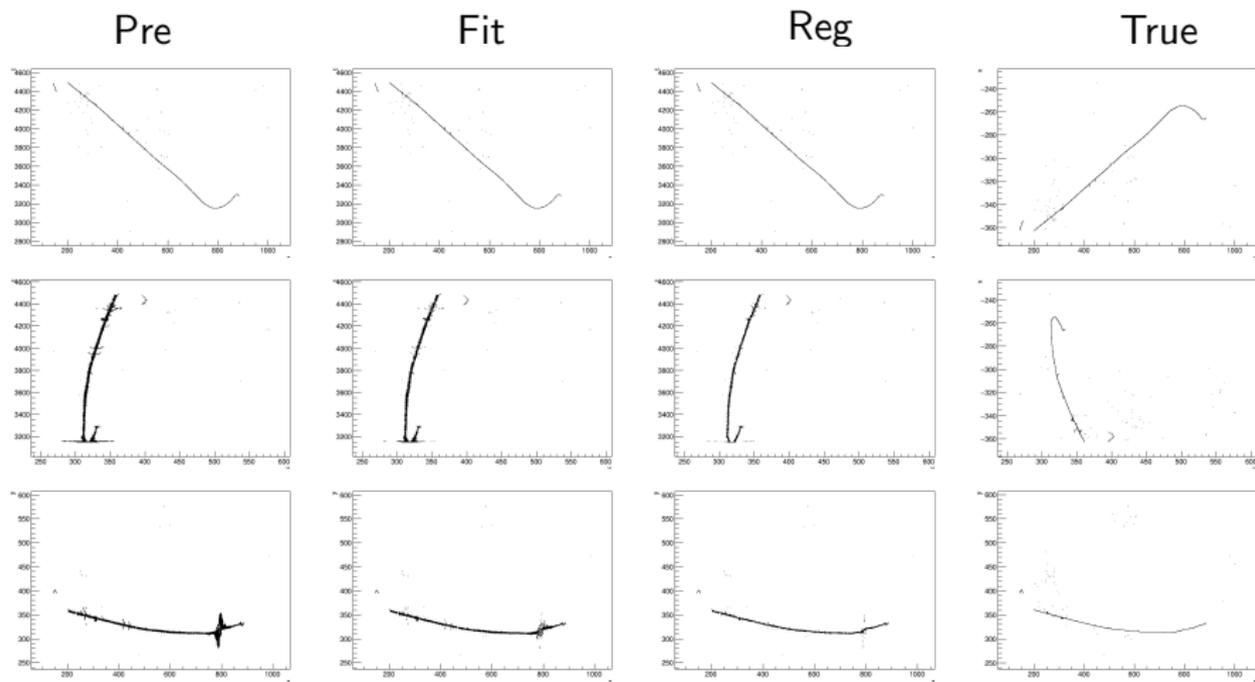
Reg

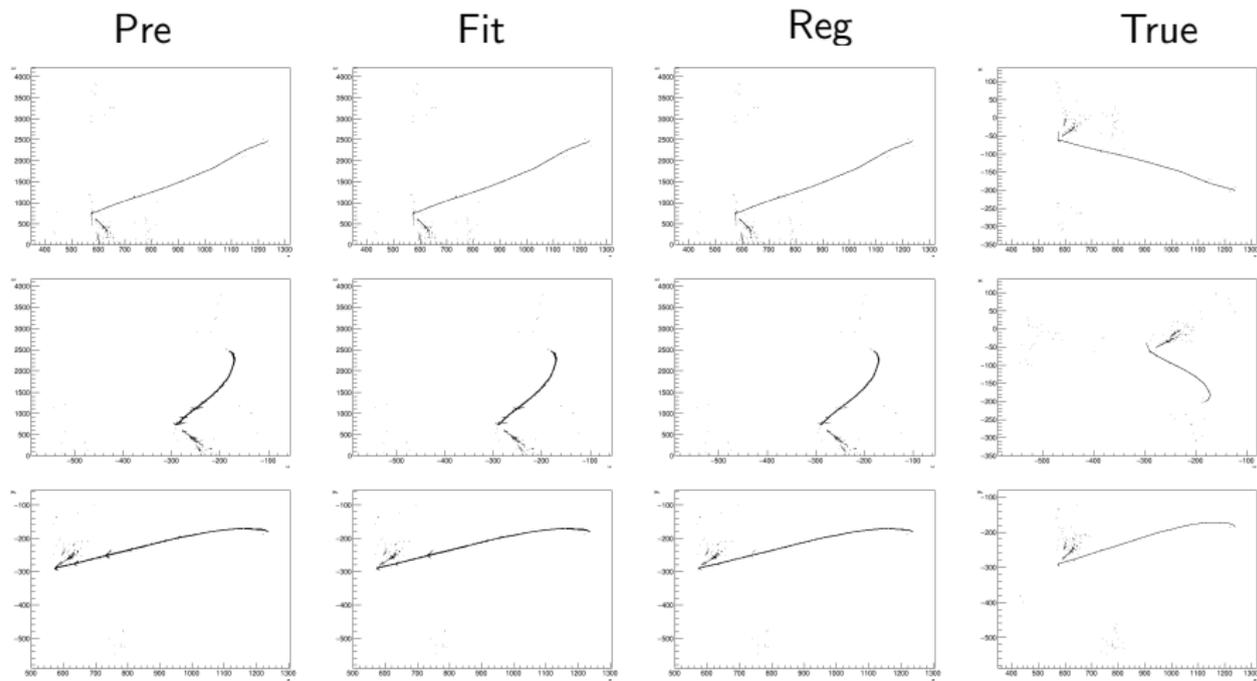
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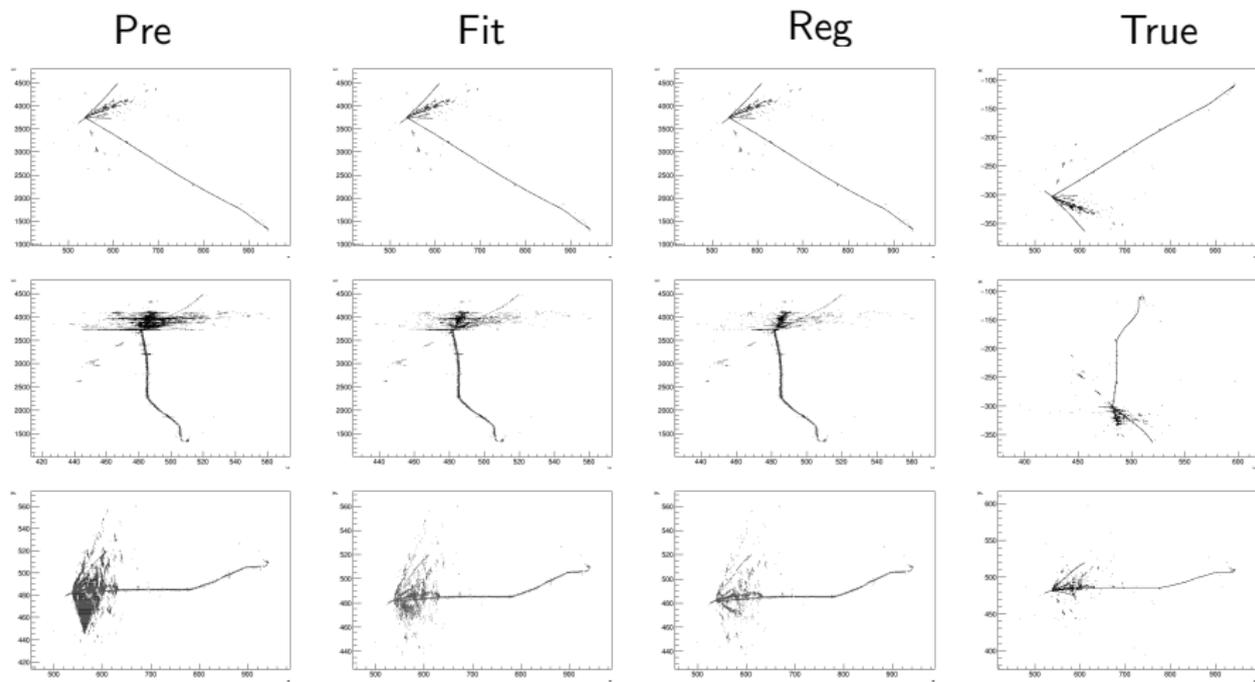


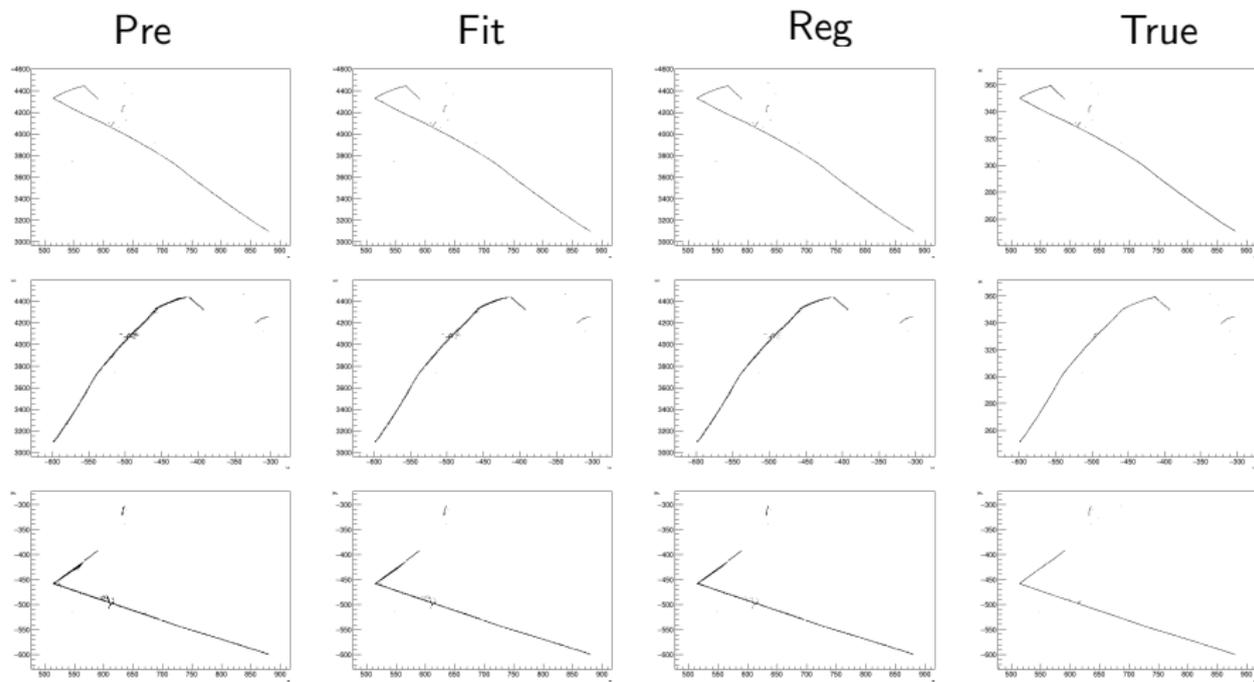


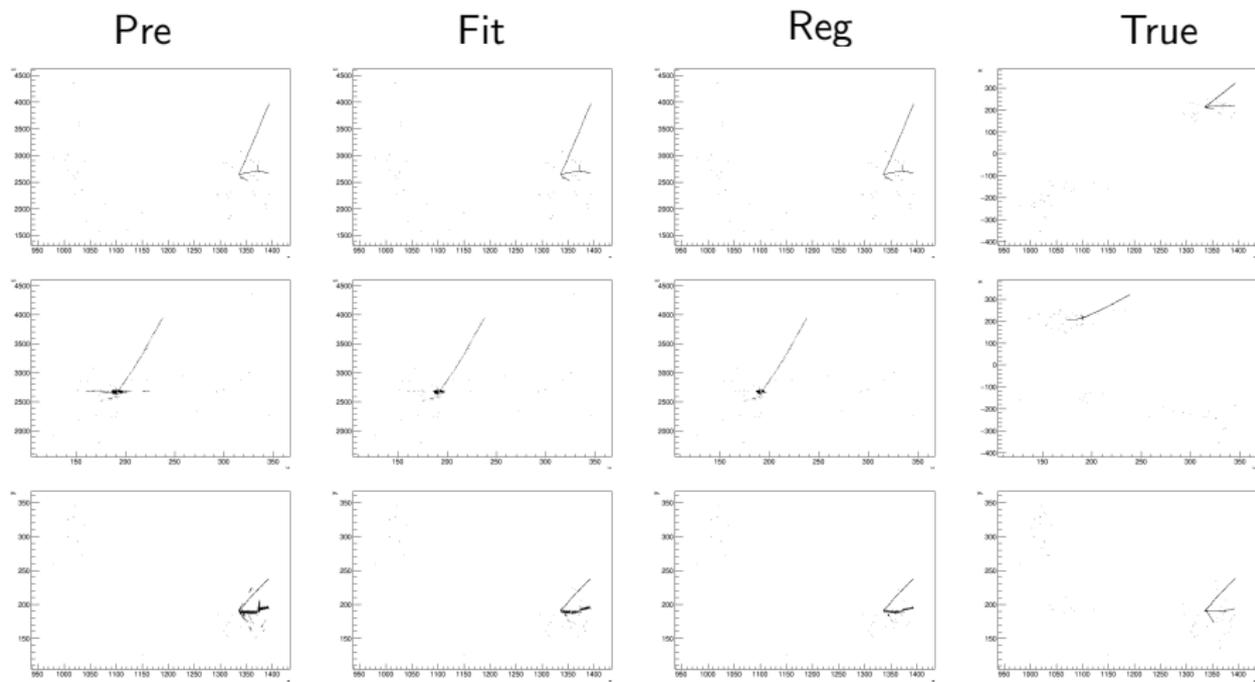










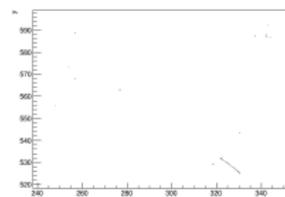
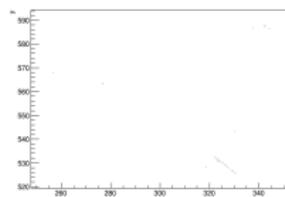
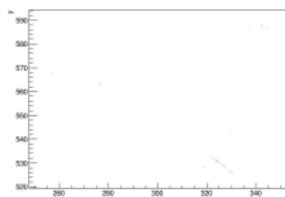
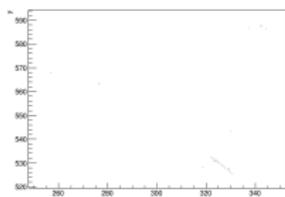
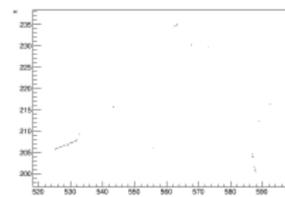
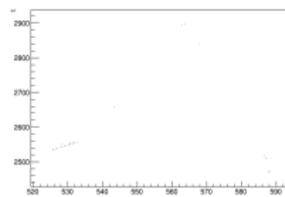
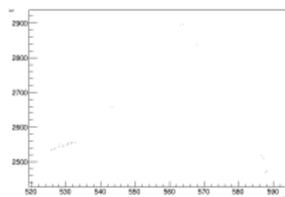
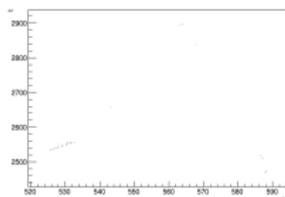
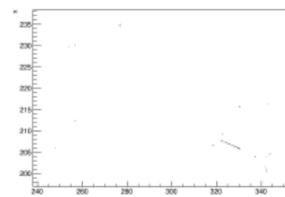
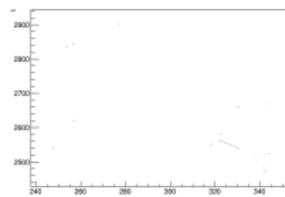
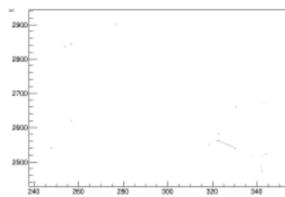
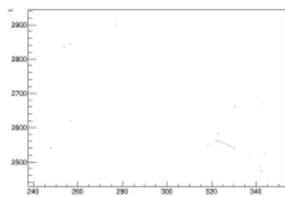


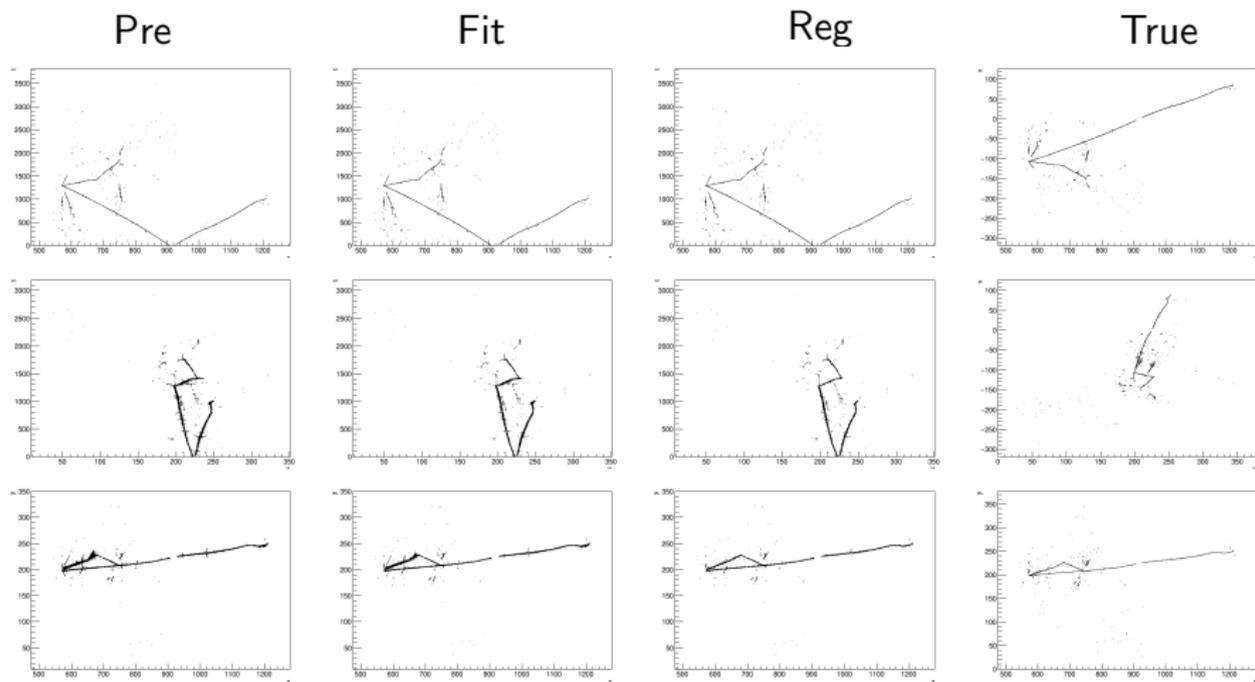
Pre

Fit

Reg

True



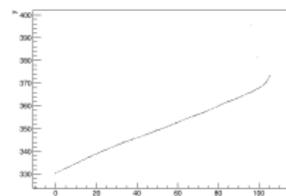
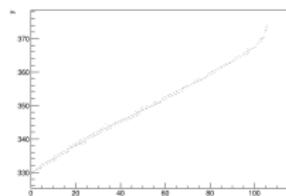
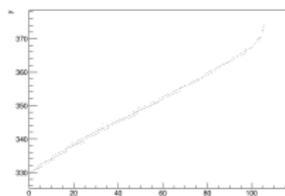
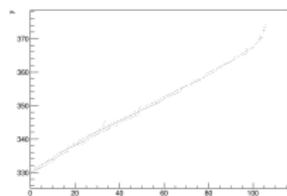
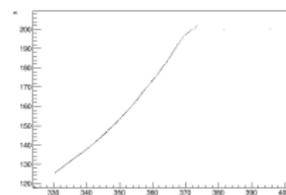
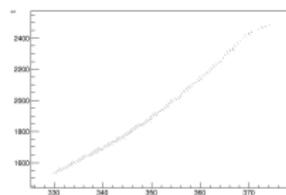
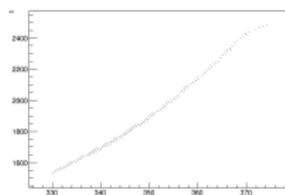
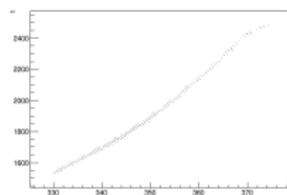
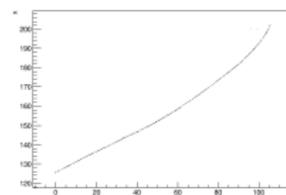
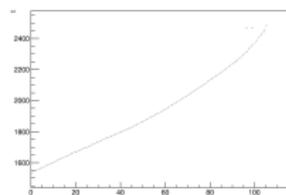
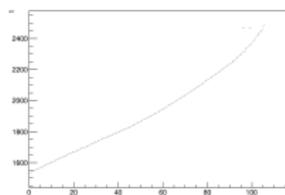
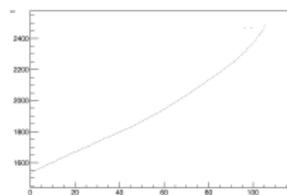


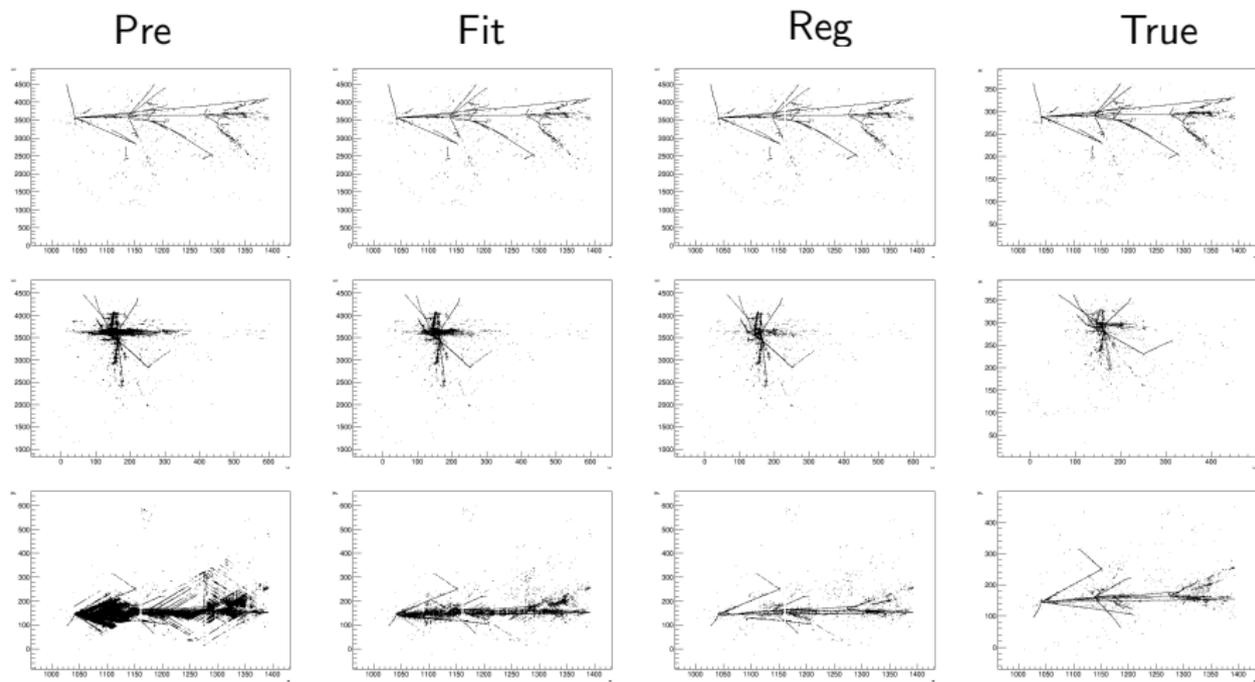
Pre

Fit

Reg

True



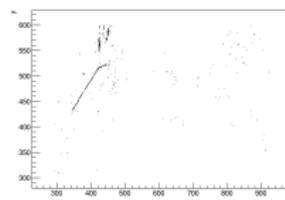
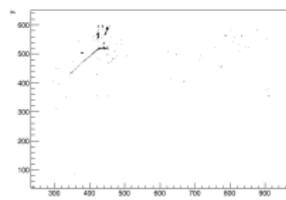
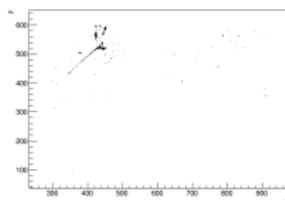
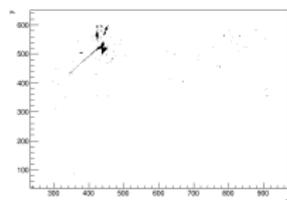
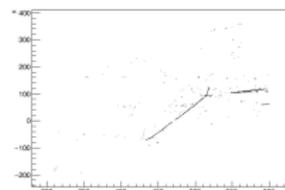
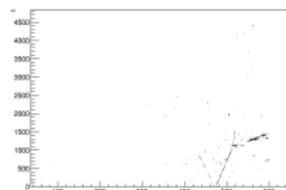
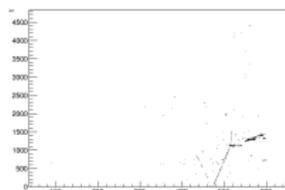
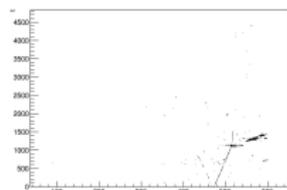
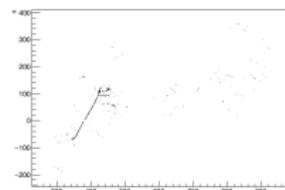
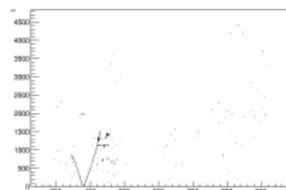
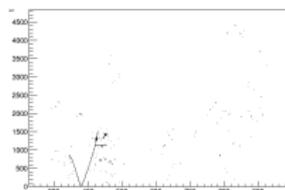
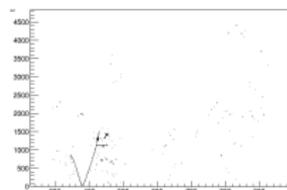


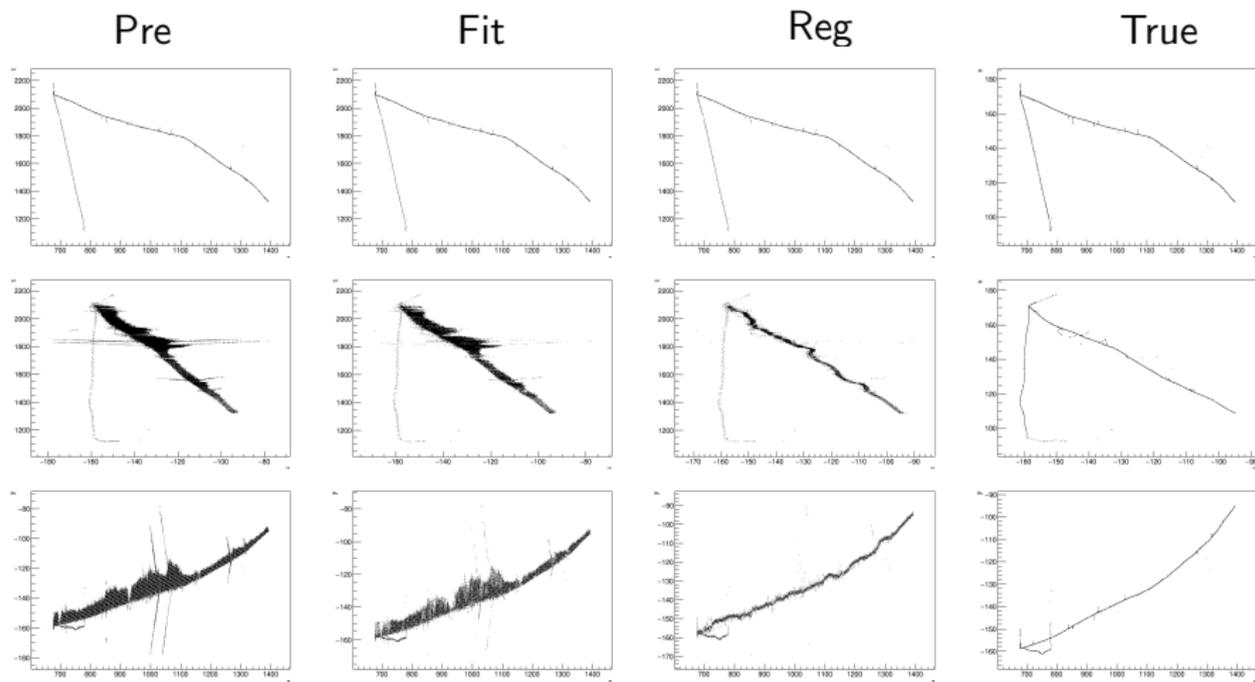
Pre

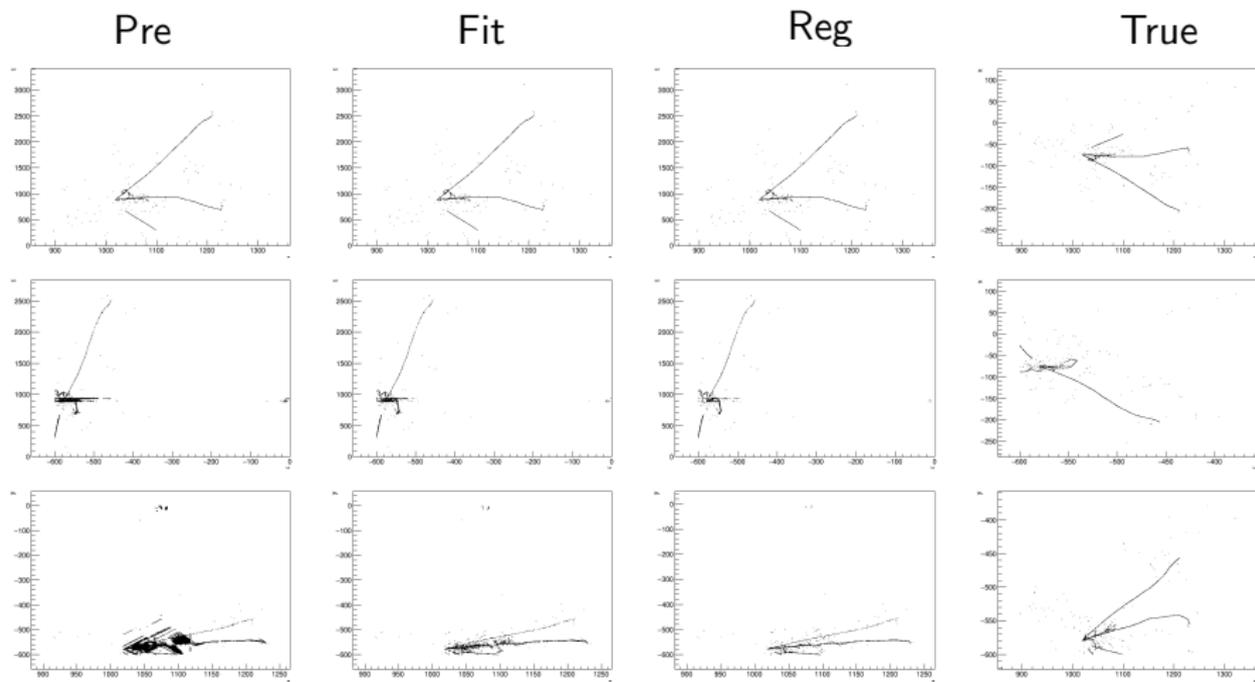
Fit

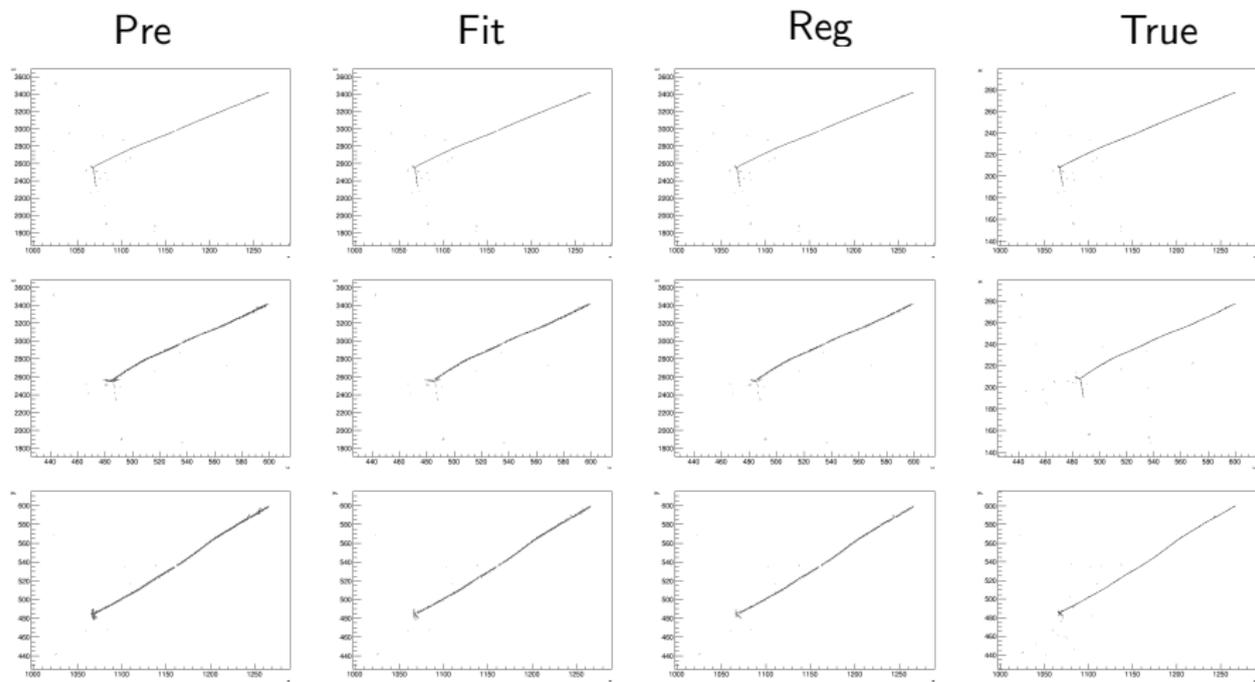
Reg

True









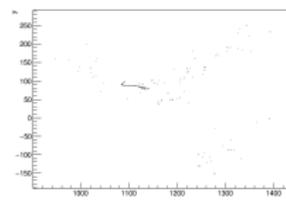
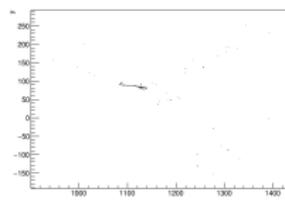
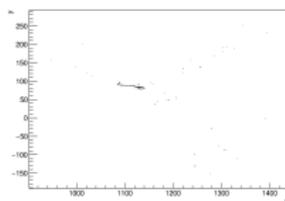
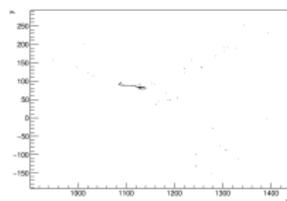
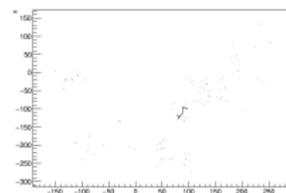
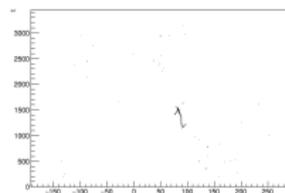
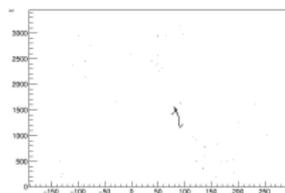
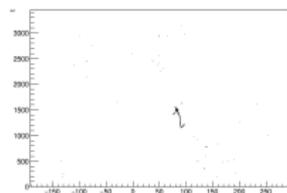
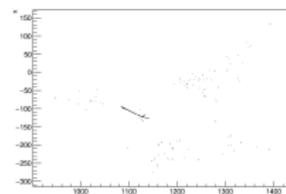
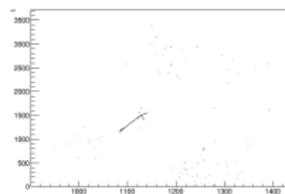
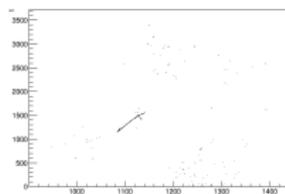
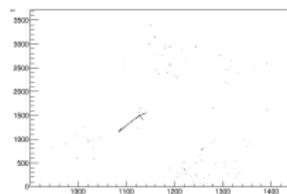
9244

Pre

Fit

Reg

True



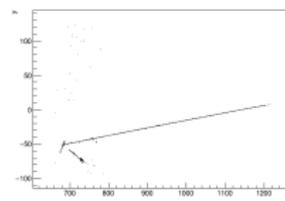
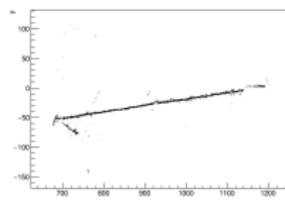
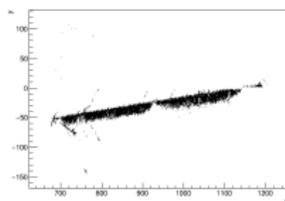
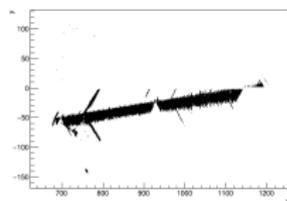
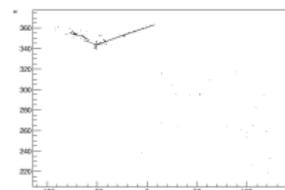
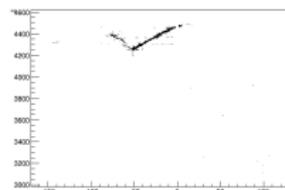
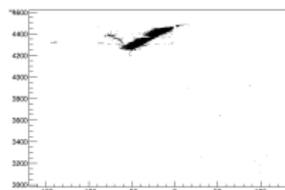
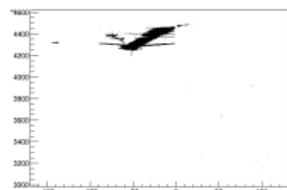
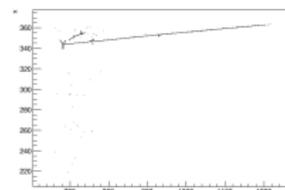
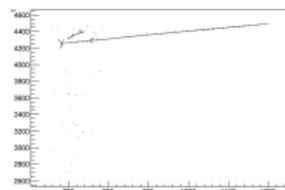
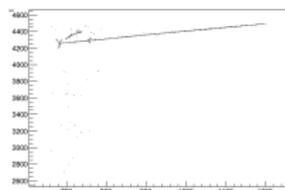
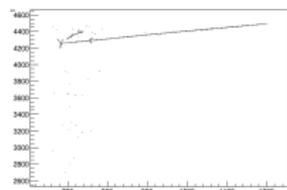
9245

Pre

Fit

Reg

True



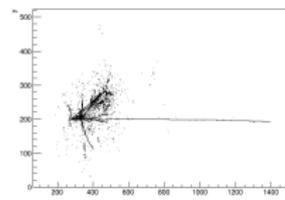
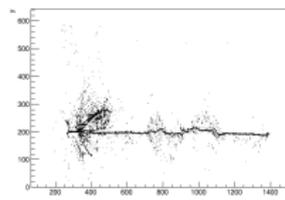
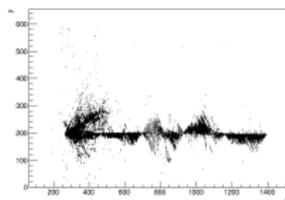
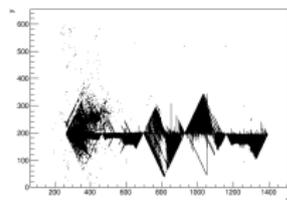
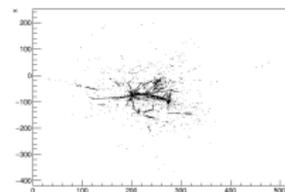
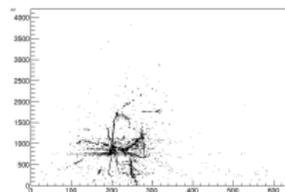
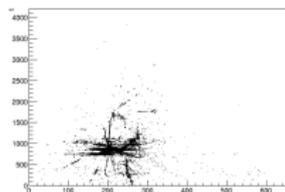
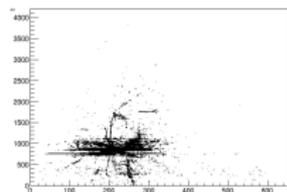
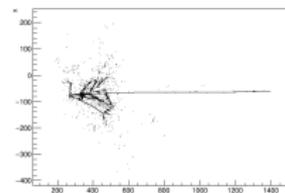
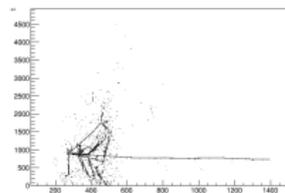
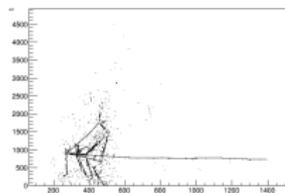
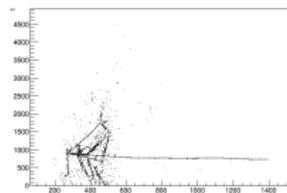
9246

Pre

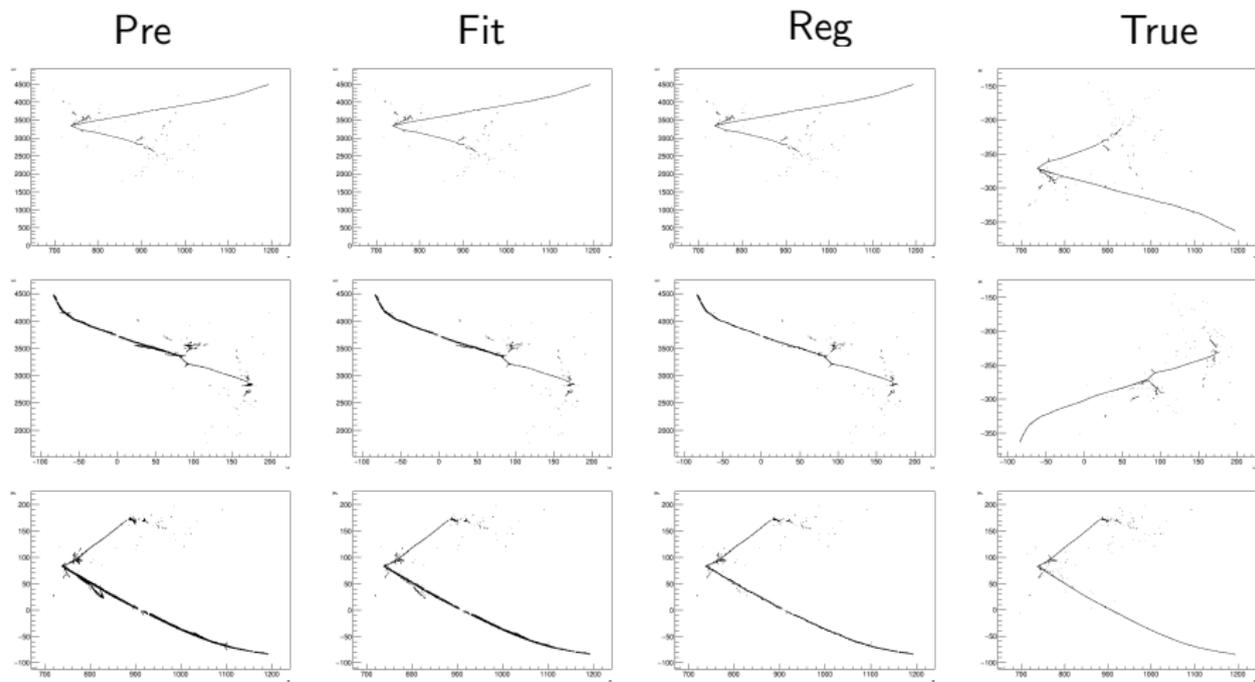
Fit

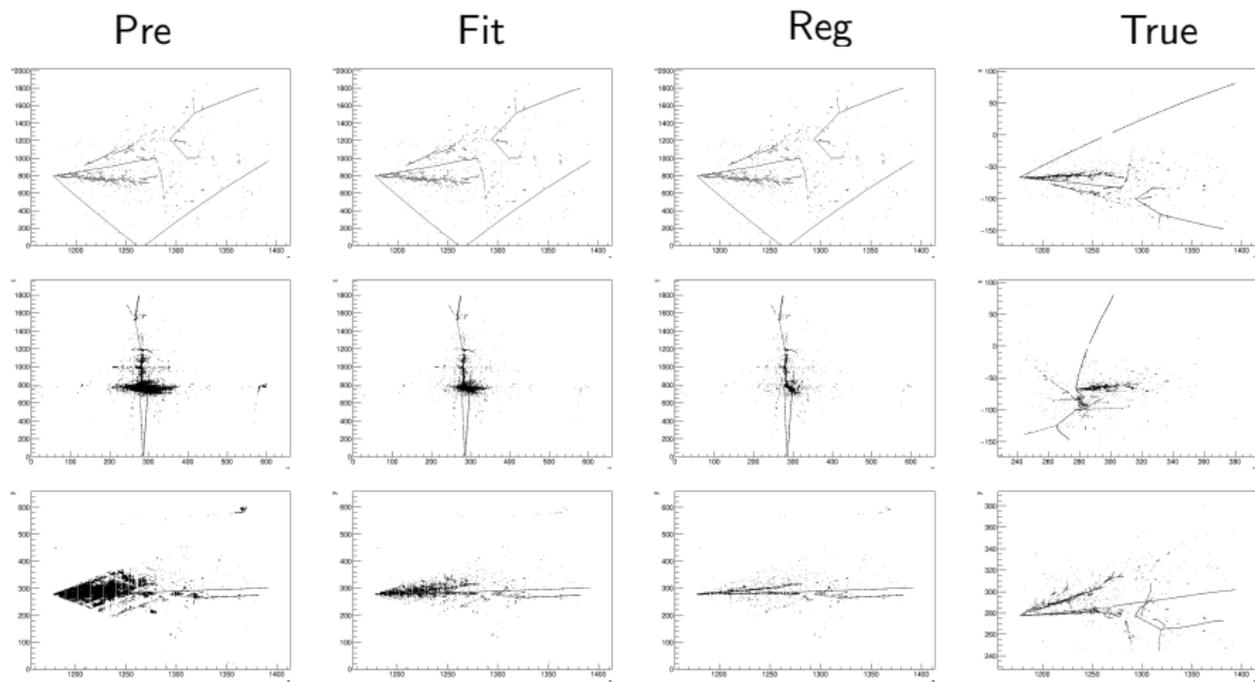
Reg

True

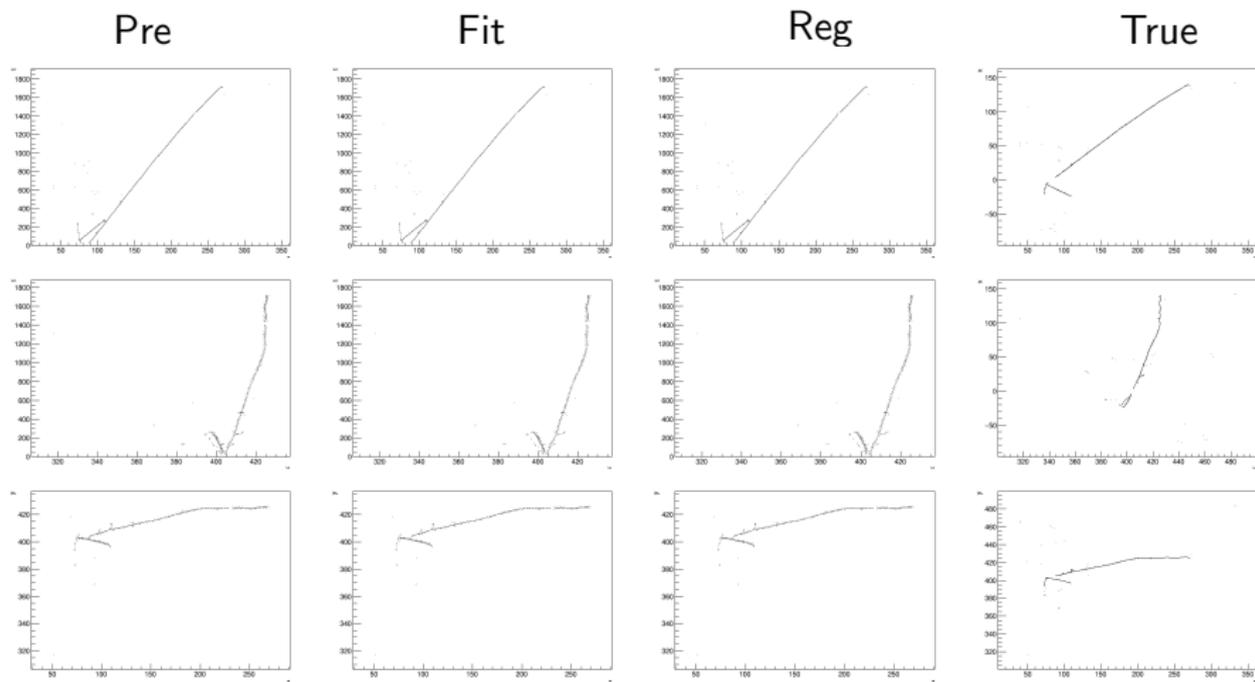


9247





9250

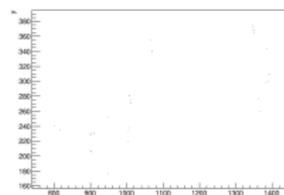
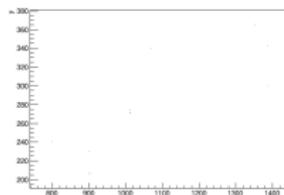
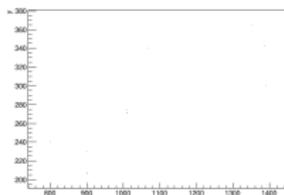
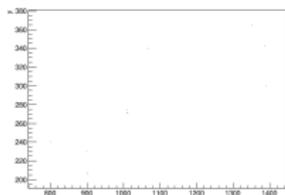
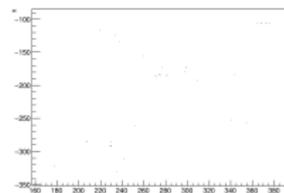
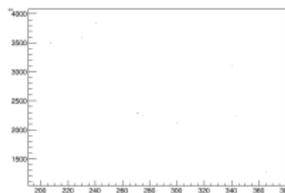
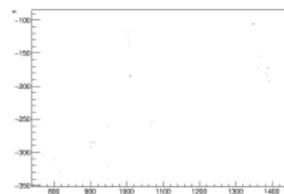
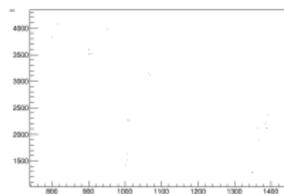
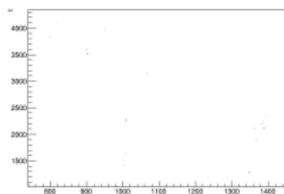
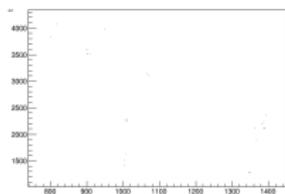


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True

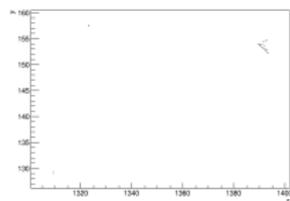
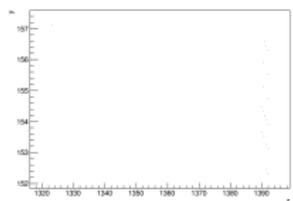
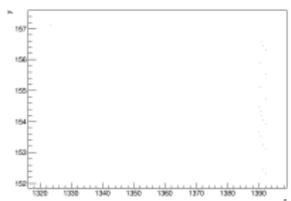
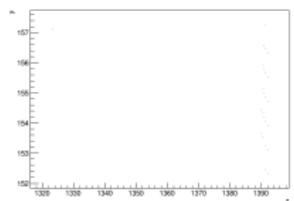
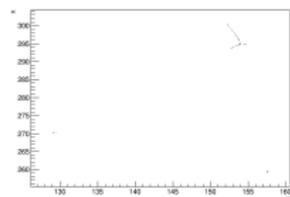
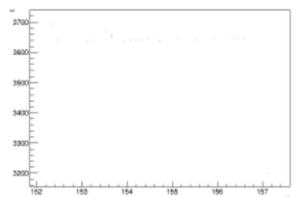
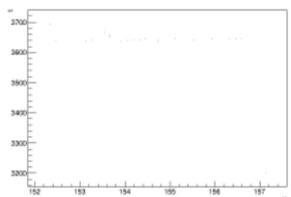
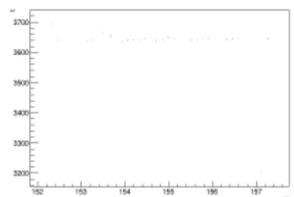
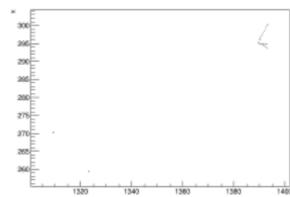
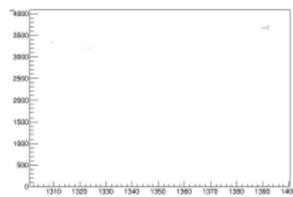
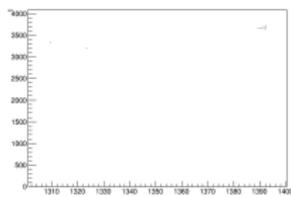
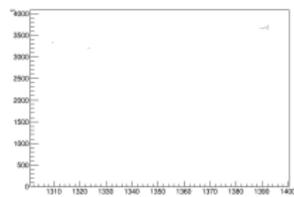


Pre

Fit

Reg

True

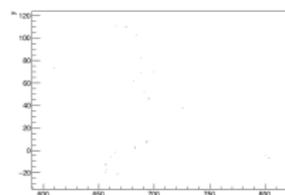
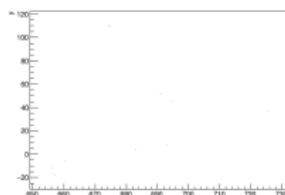
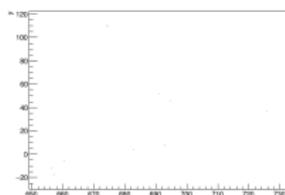
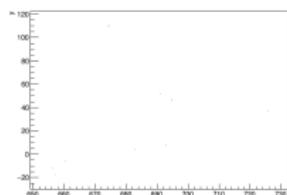
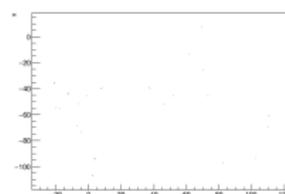
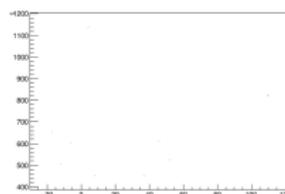
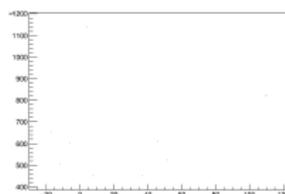
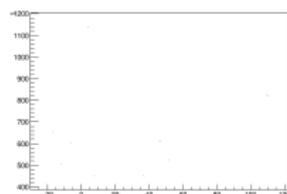
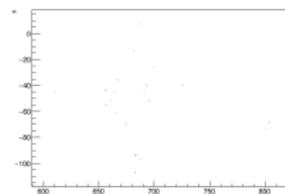
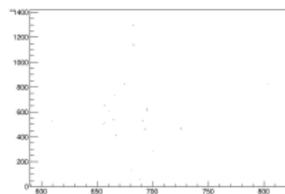
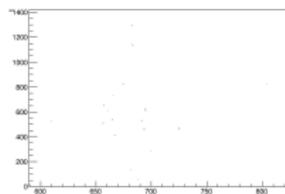
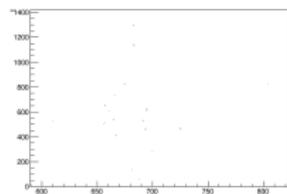


Pre

Fit

Reg

True

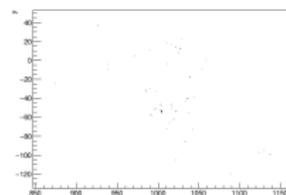
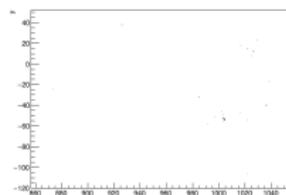
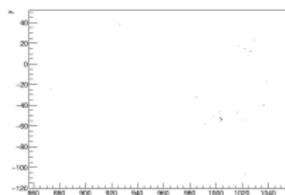
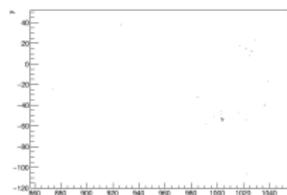
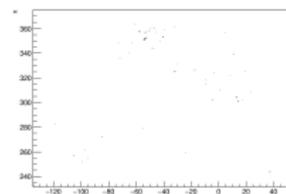
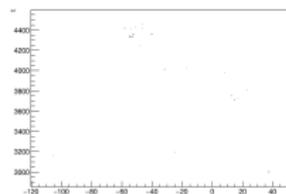
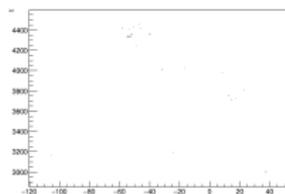
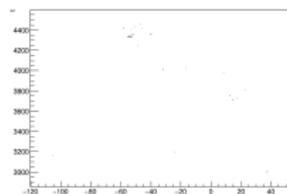
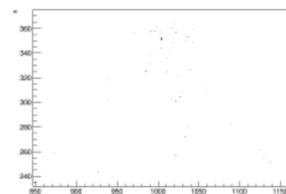
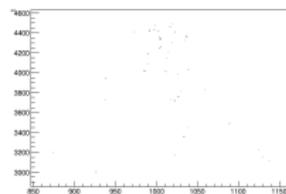
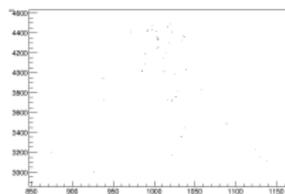
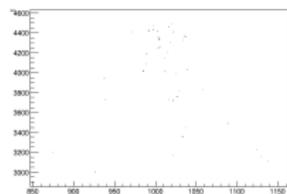


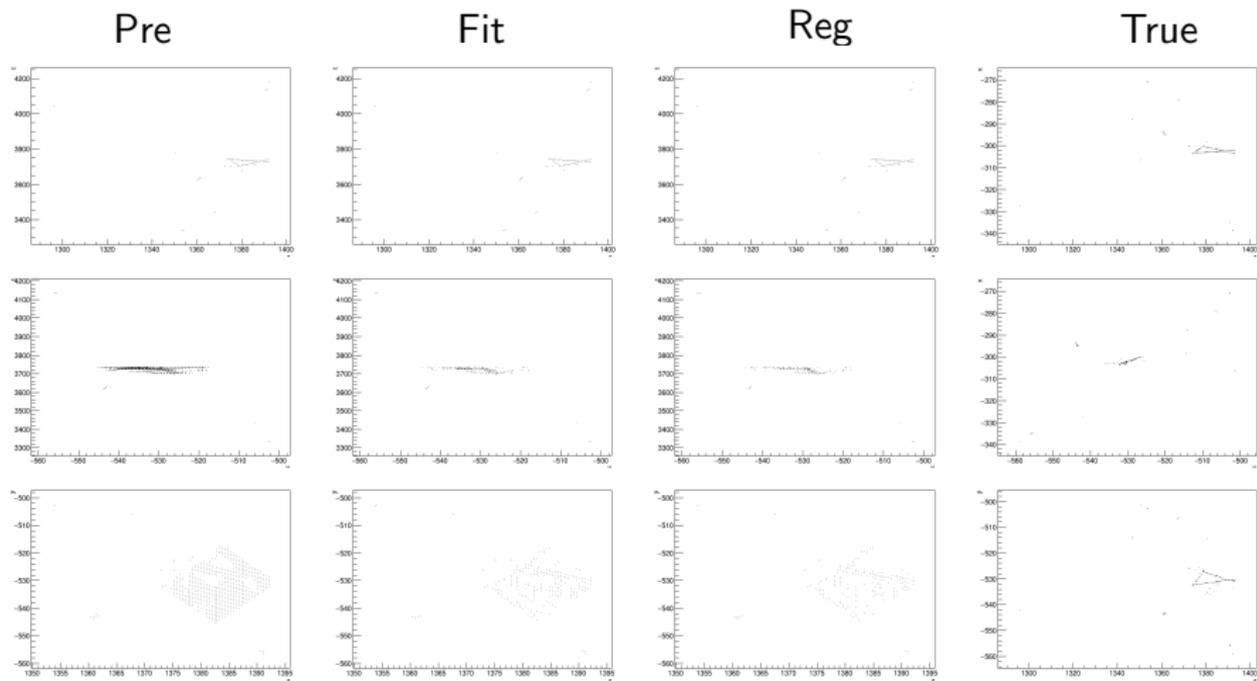
Pre

Fit

Reg

True





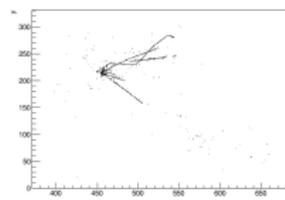
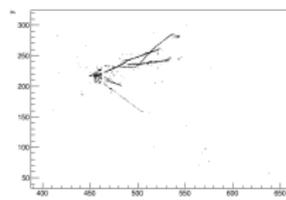
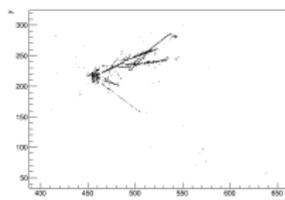
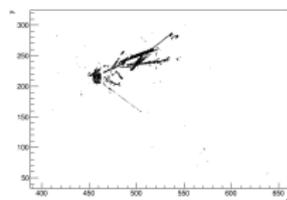
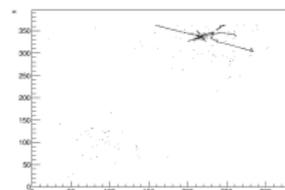
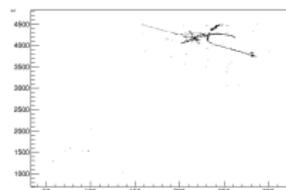
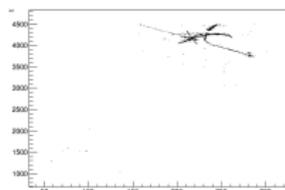
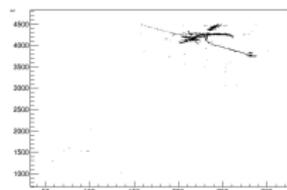
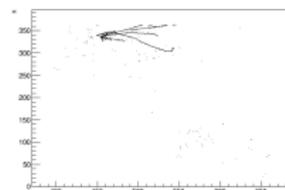
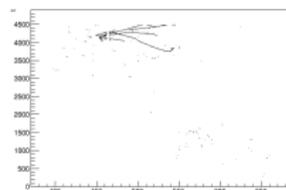
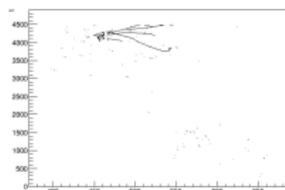
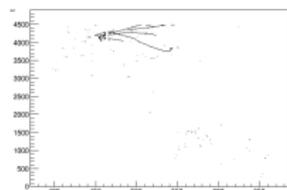
9256

Pre

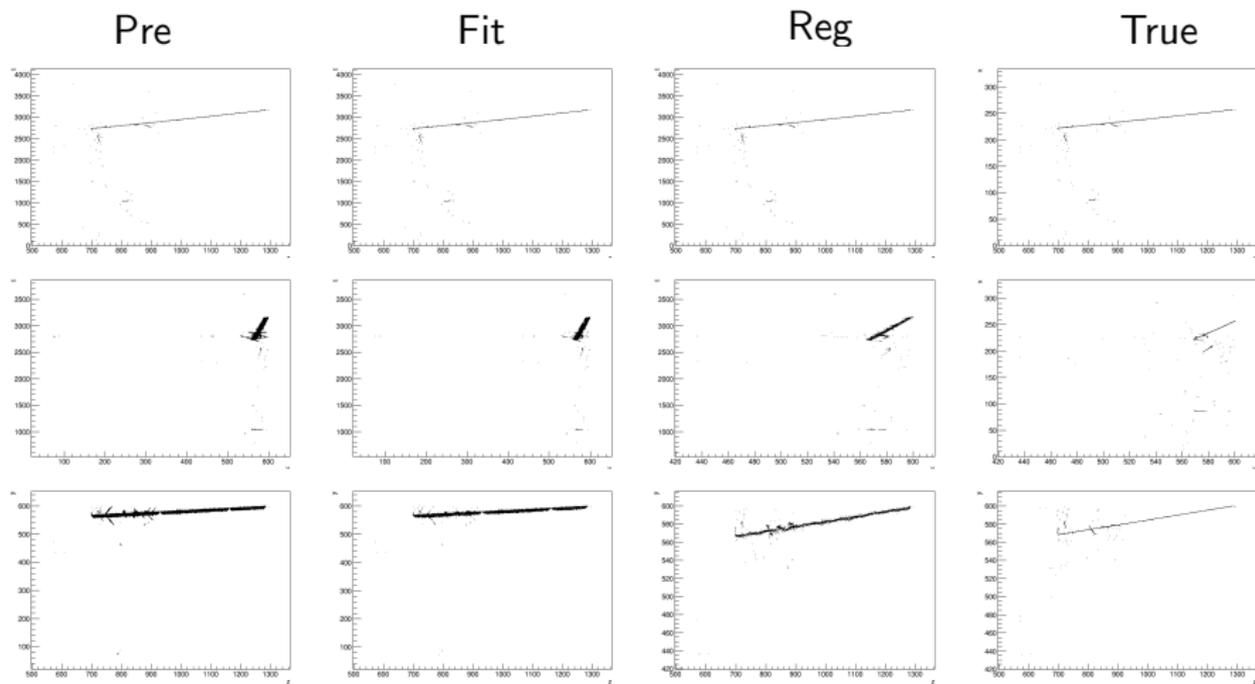
Fit

Reg

True



9257

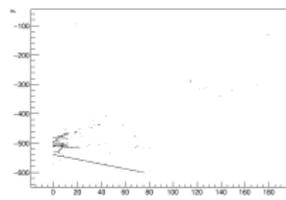
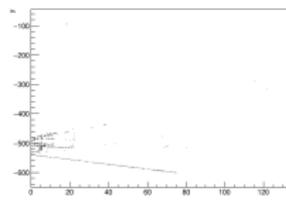
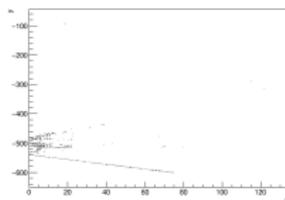
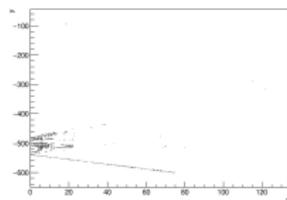
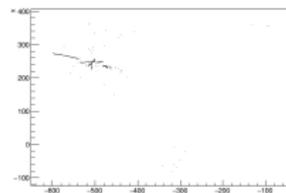
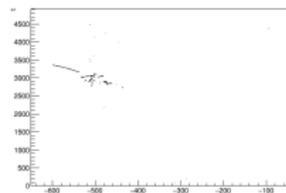
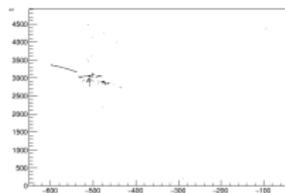
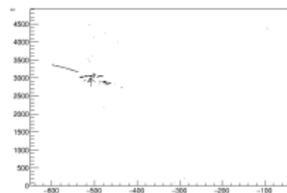
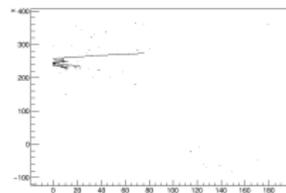
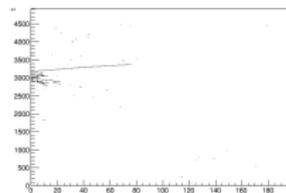
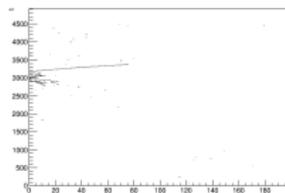
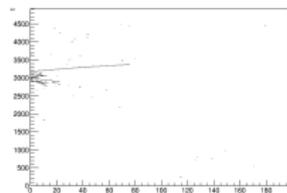


Pre

Fit

Reg

True

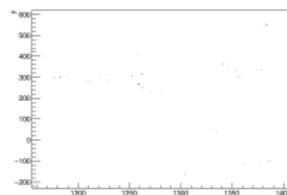
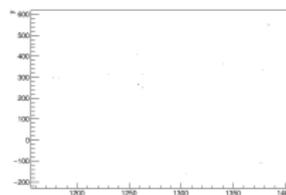
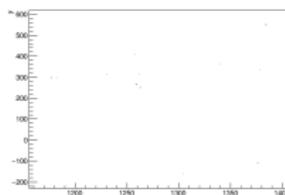
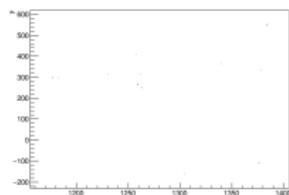
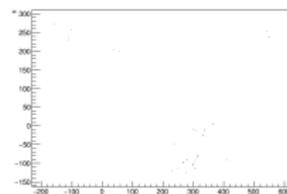
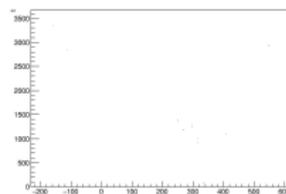
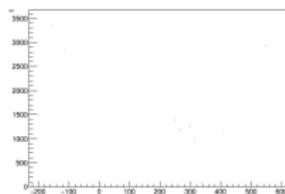
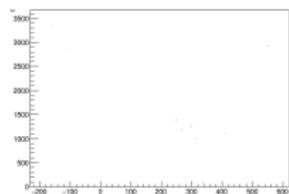
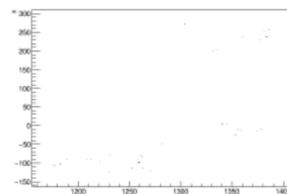
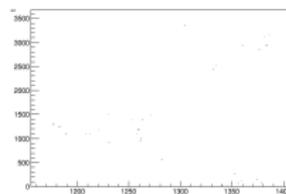
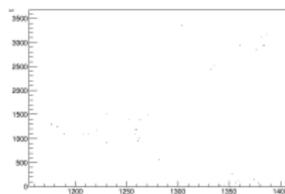
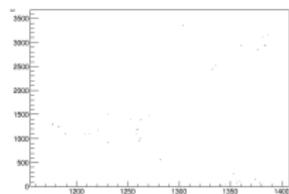


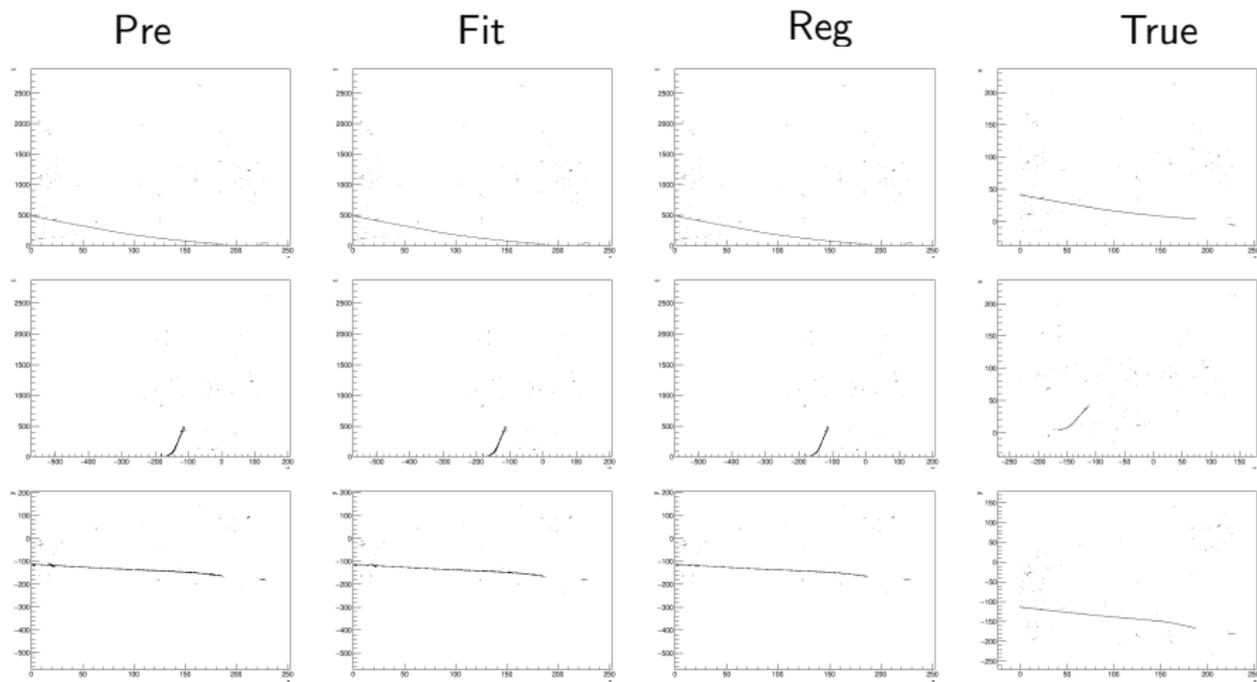
Pre

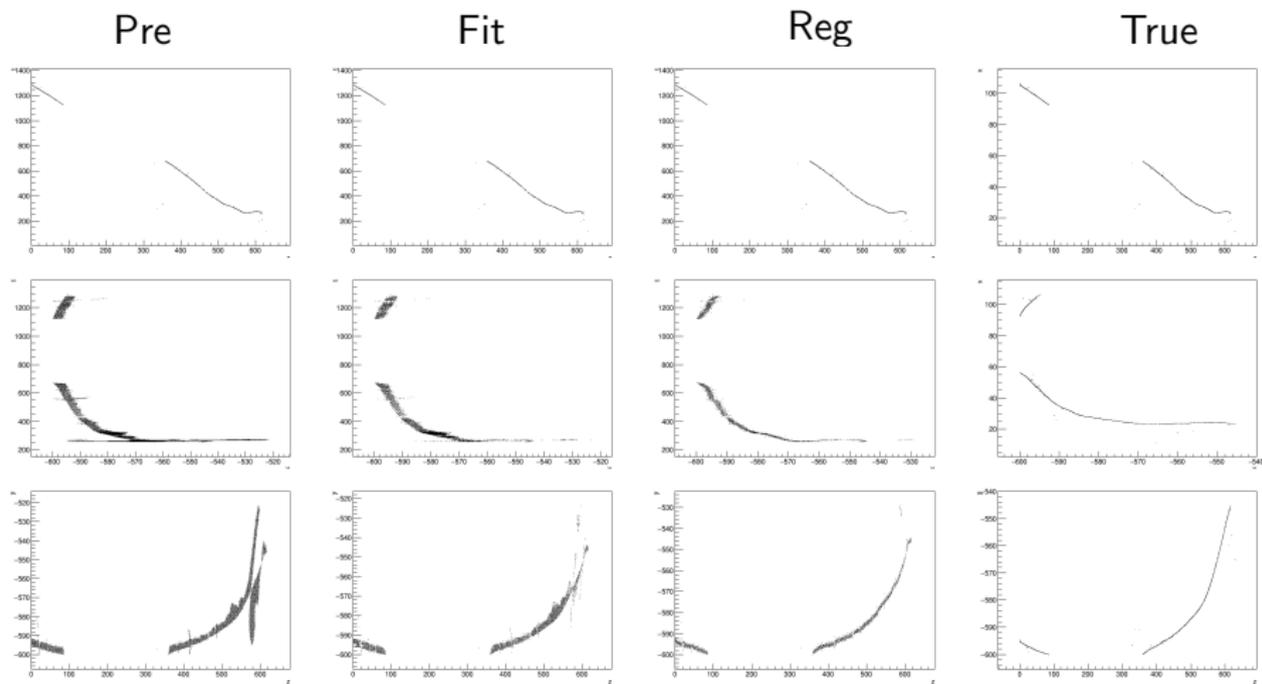
Fit

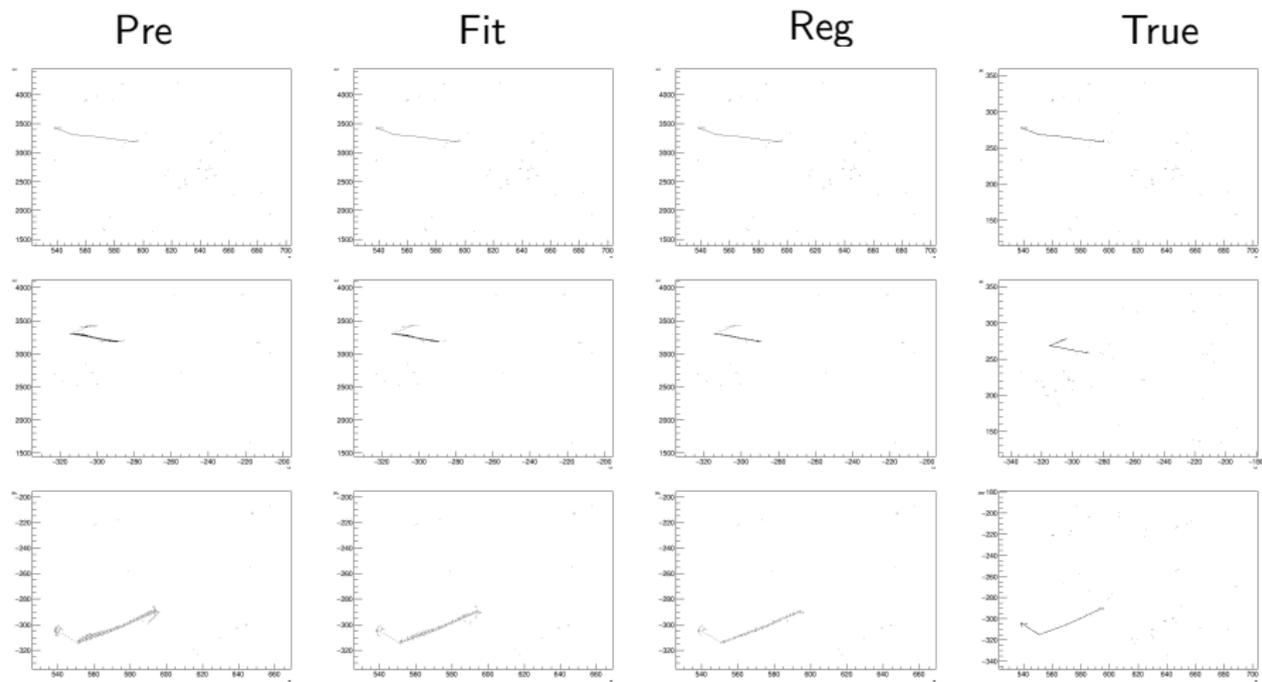
Reg

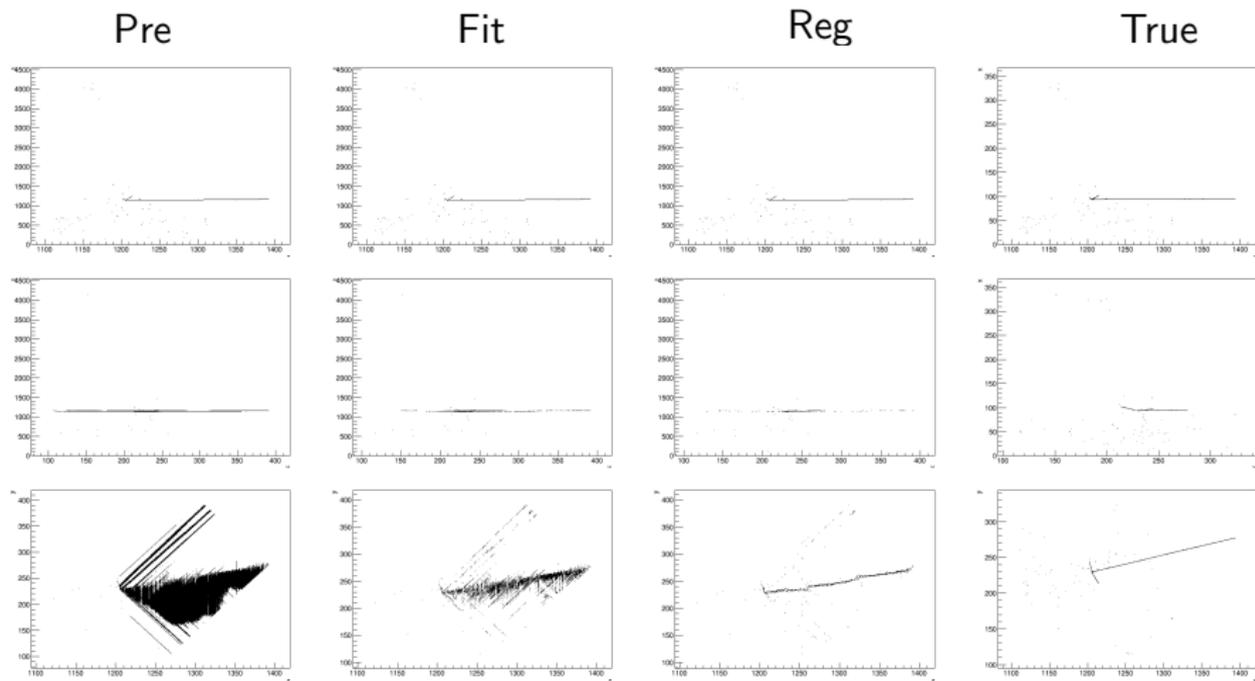
True











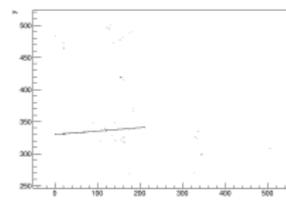
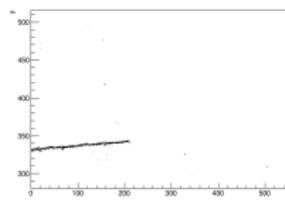
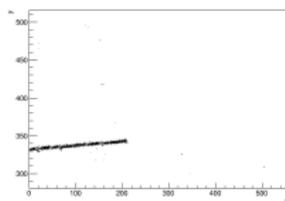
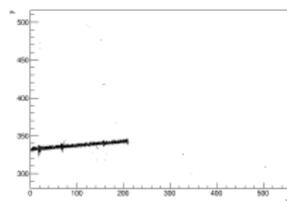
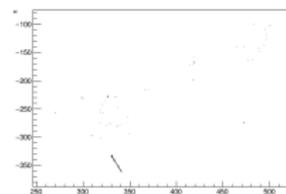
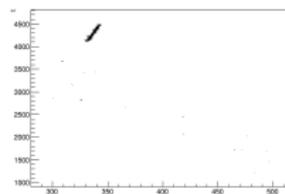
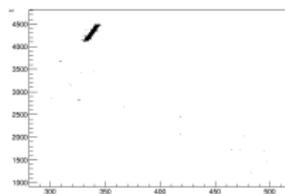
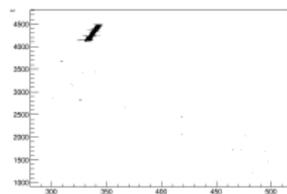
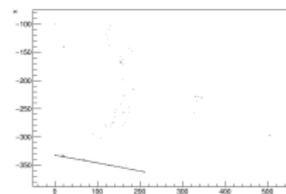
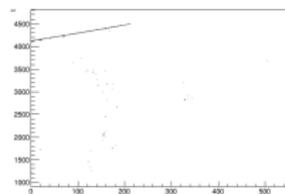
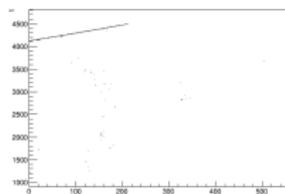
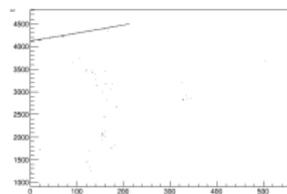
9265

Pre

Fit

Reg

True

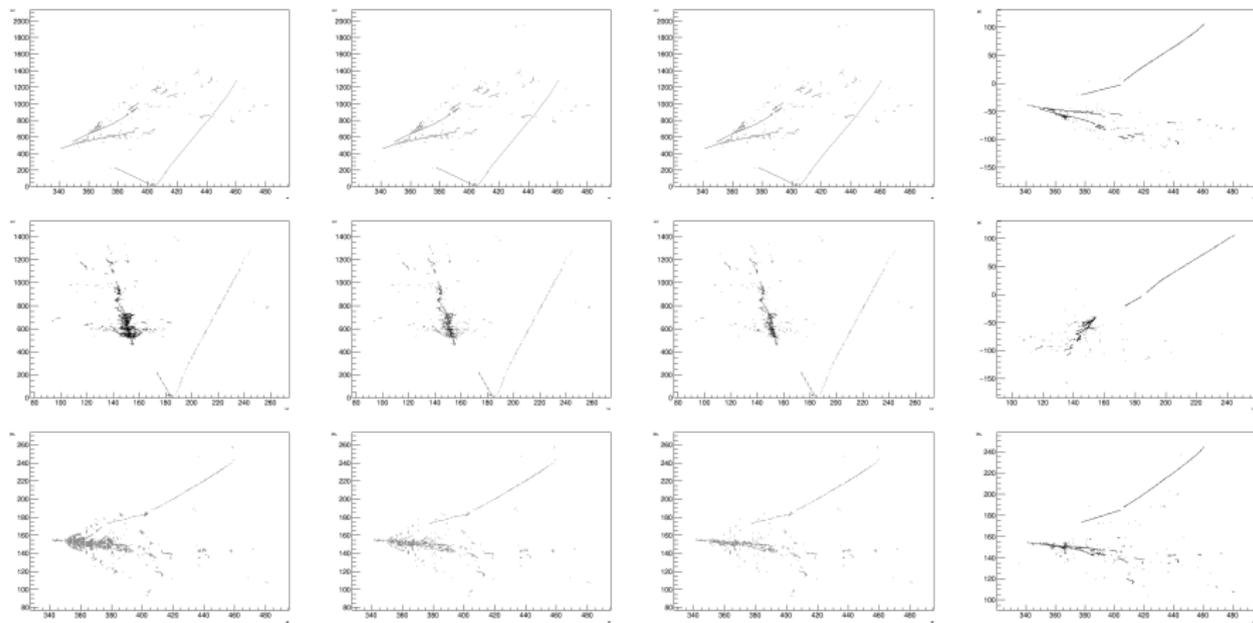


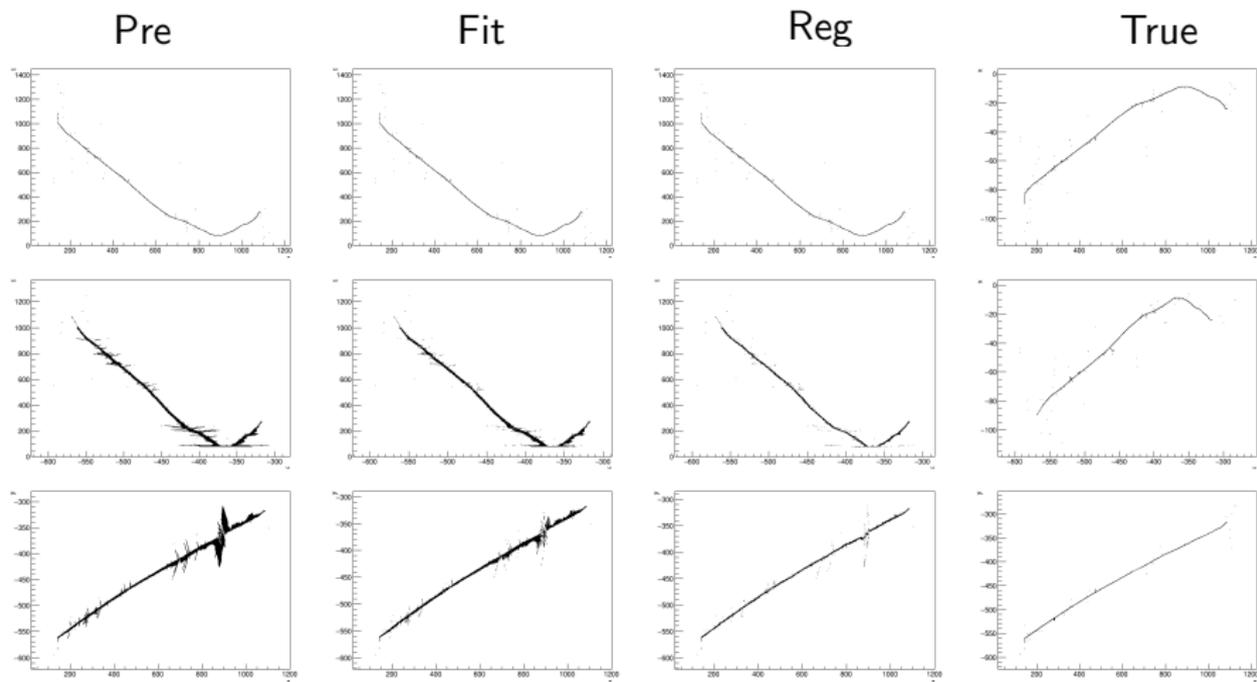
Pre

Fit

Reg

True



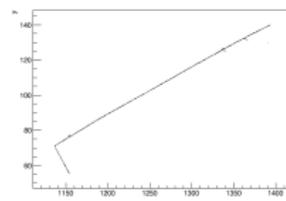
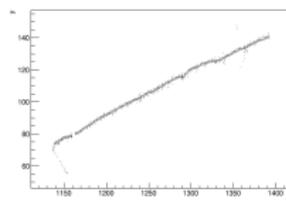
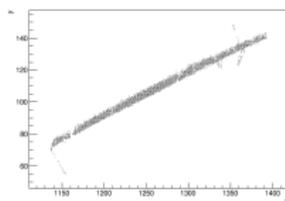
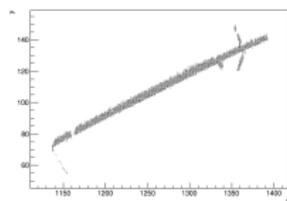
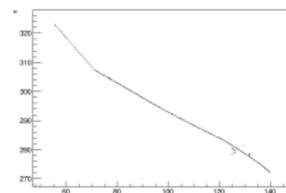
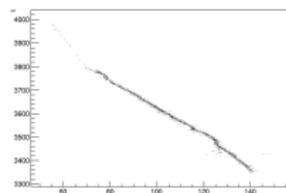
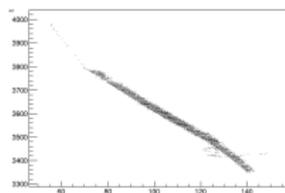
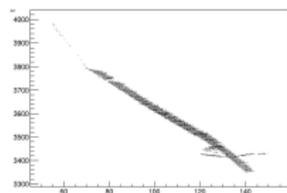
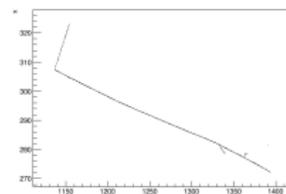
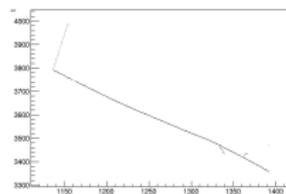
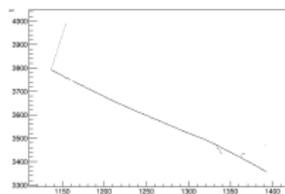
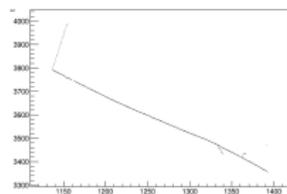


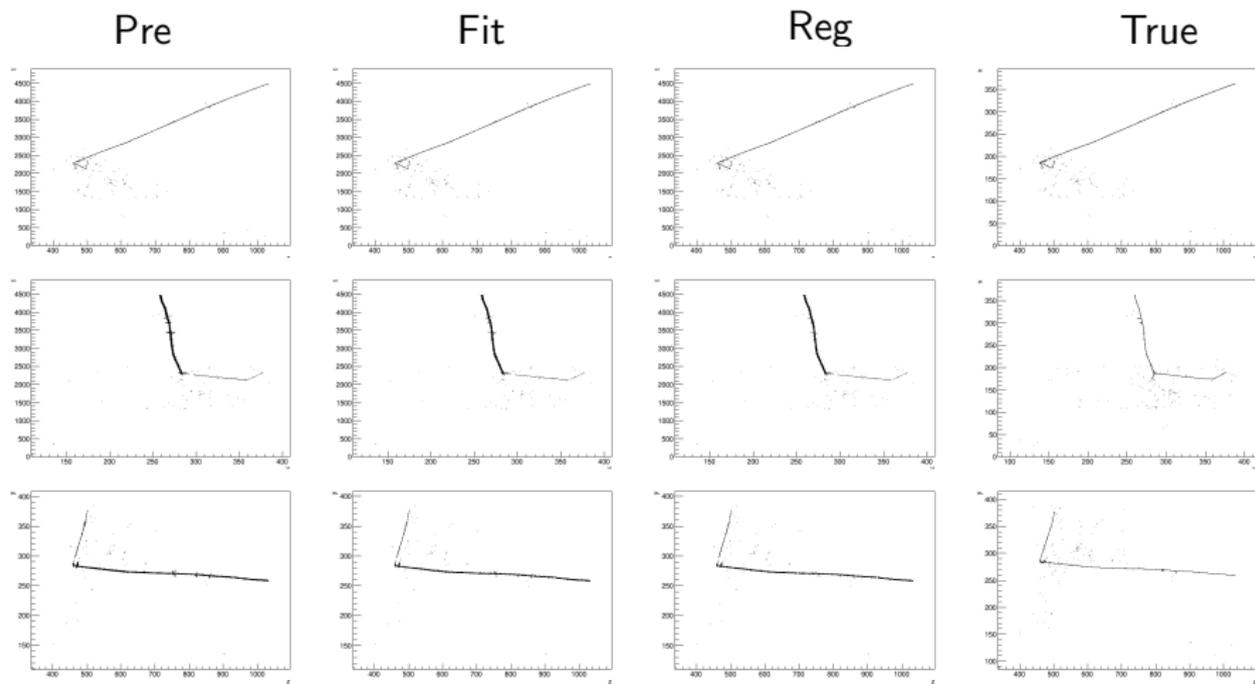
Pre

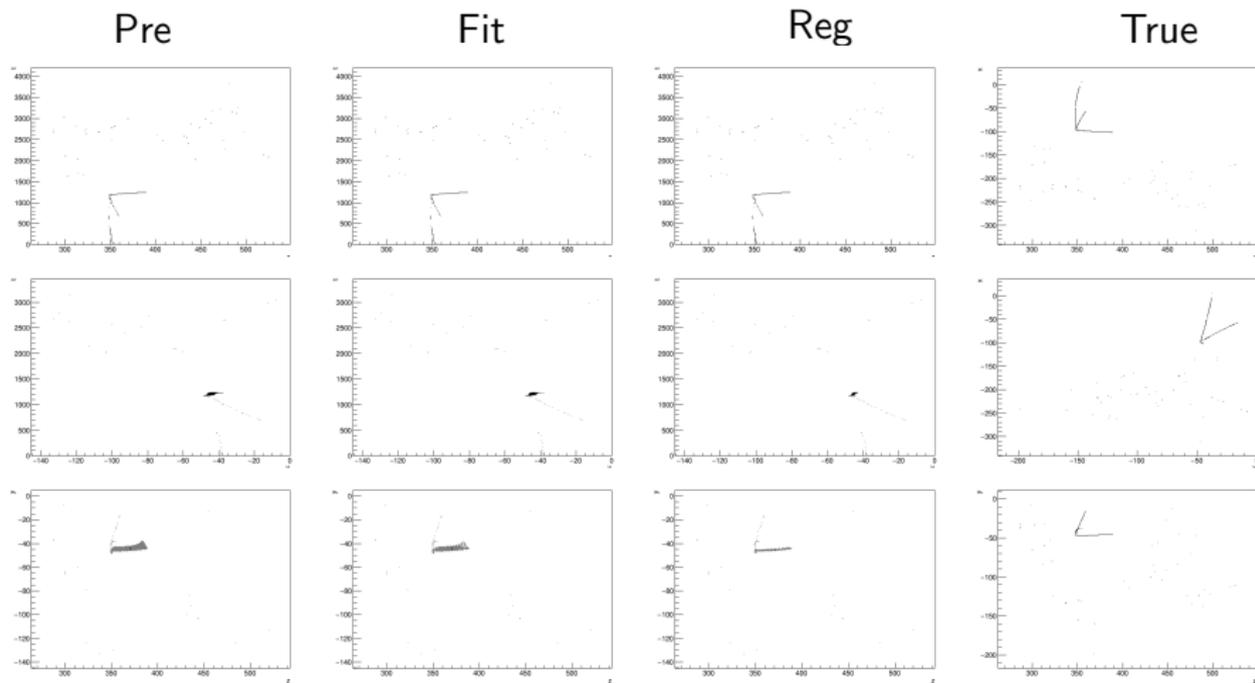
Fit

Reg

True





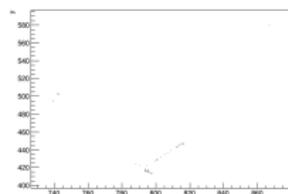
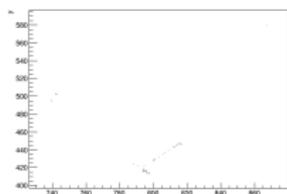
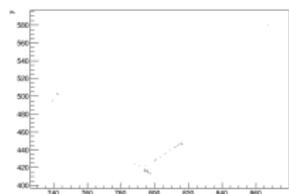
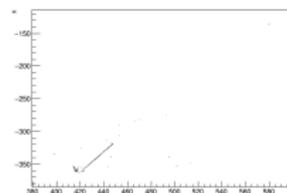
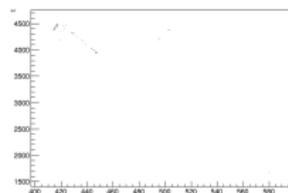
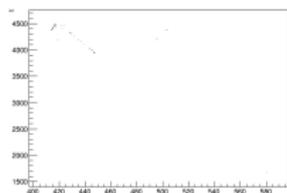
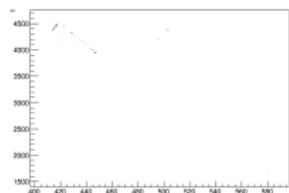
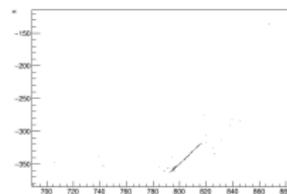
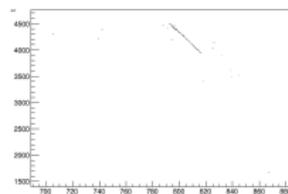
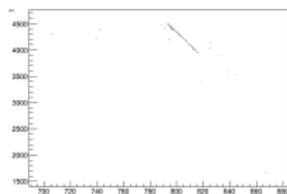
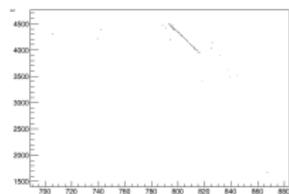


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True



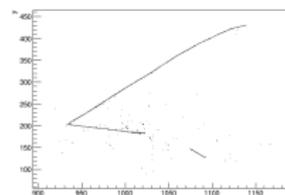
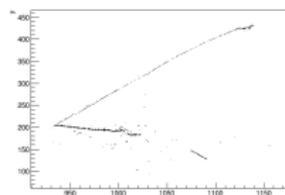
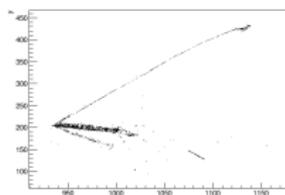
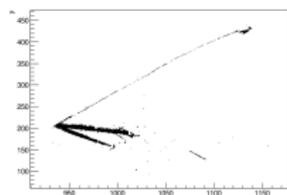
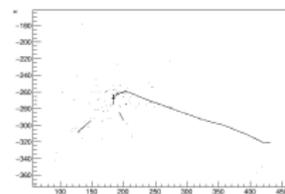
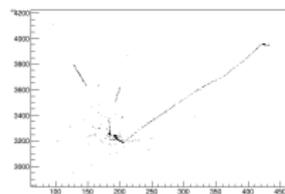
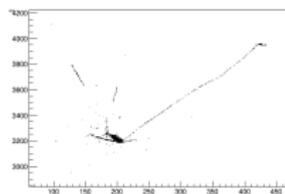
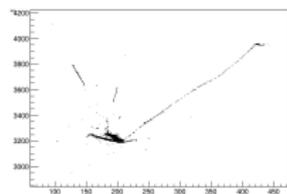
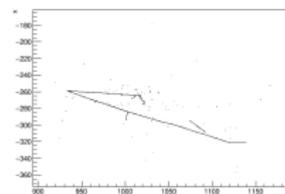
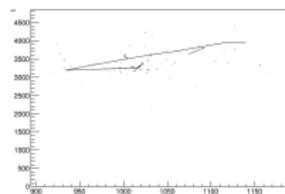
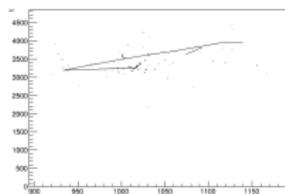
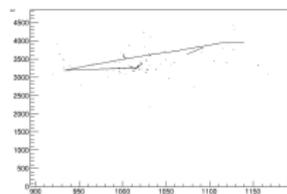
9273

Pre

Fit

Reg

True



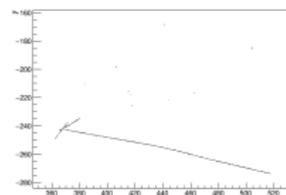
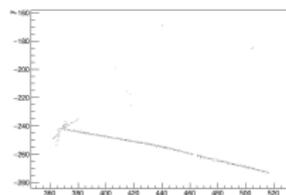
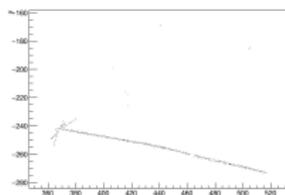
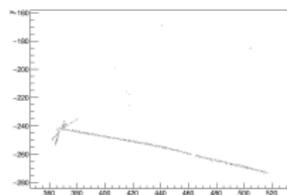
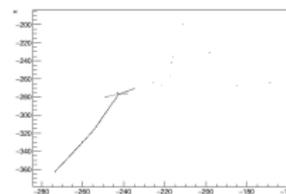
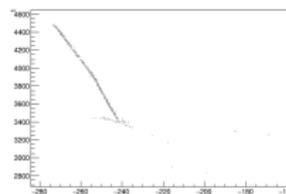
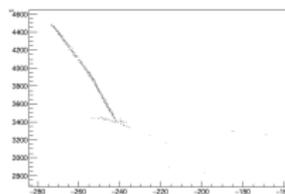
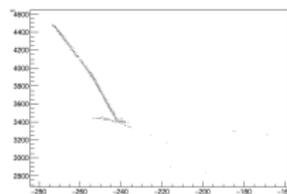
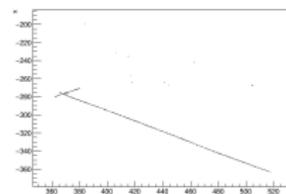
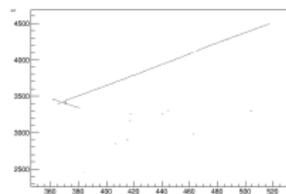
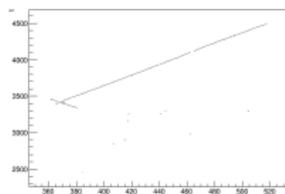
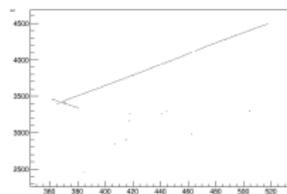
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Pre

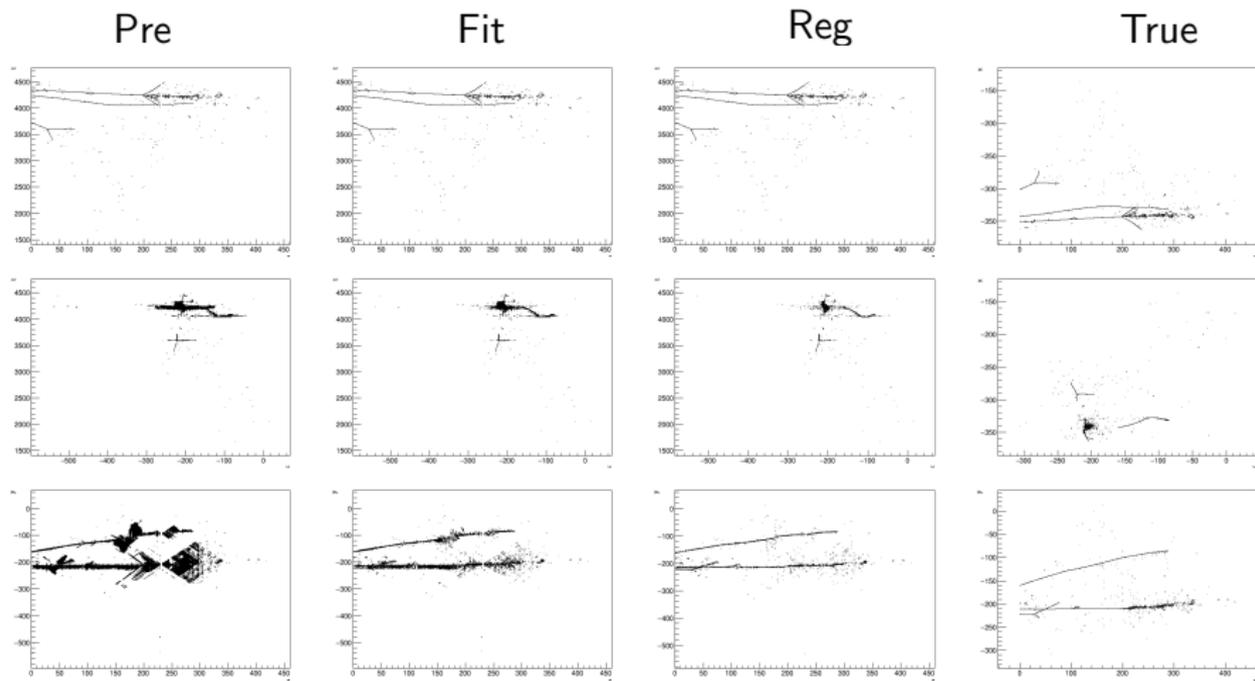
Fit

Reg

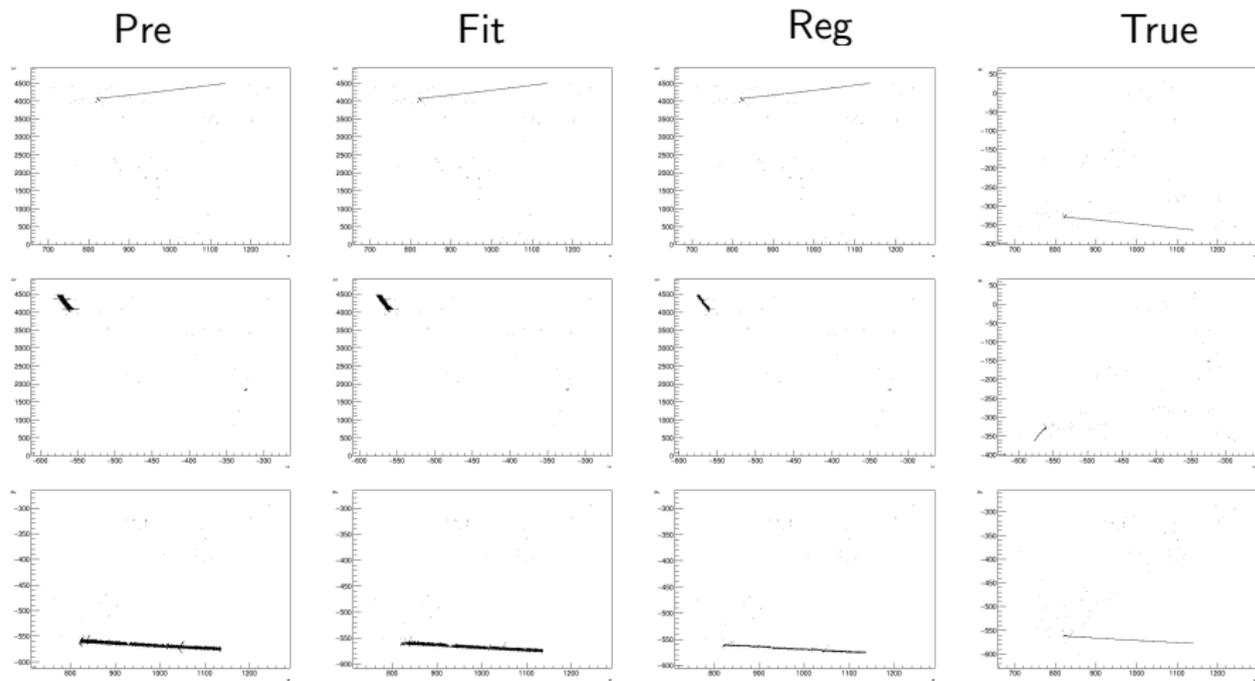
True



9275



9276



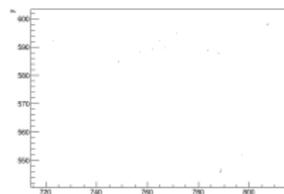
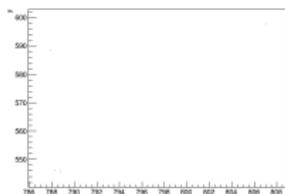
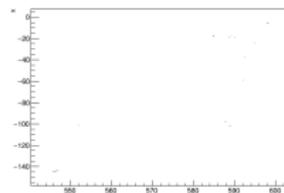
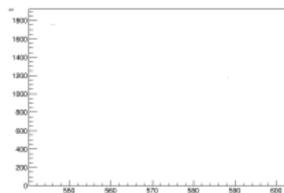
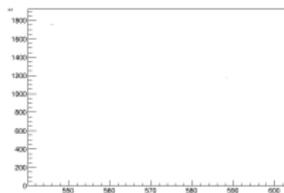
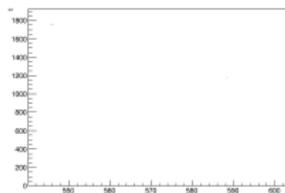
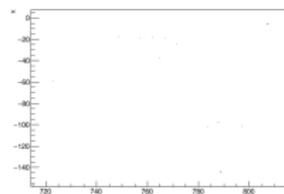
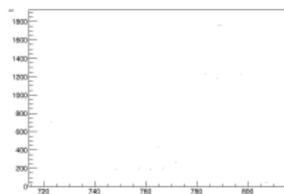
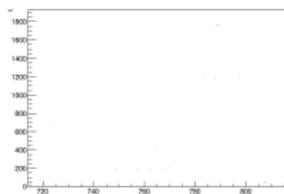
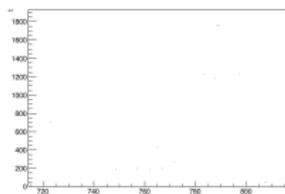
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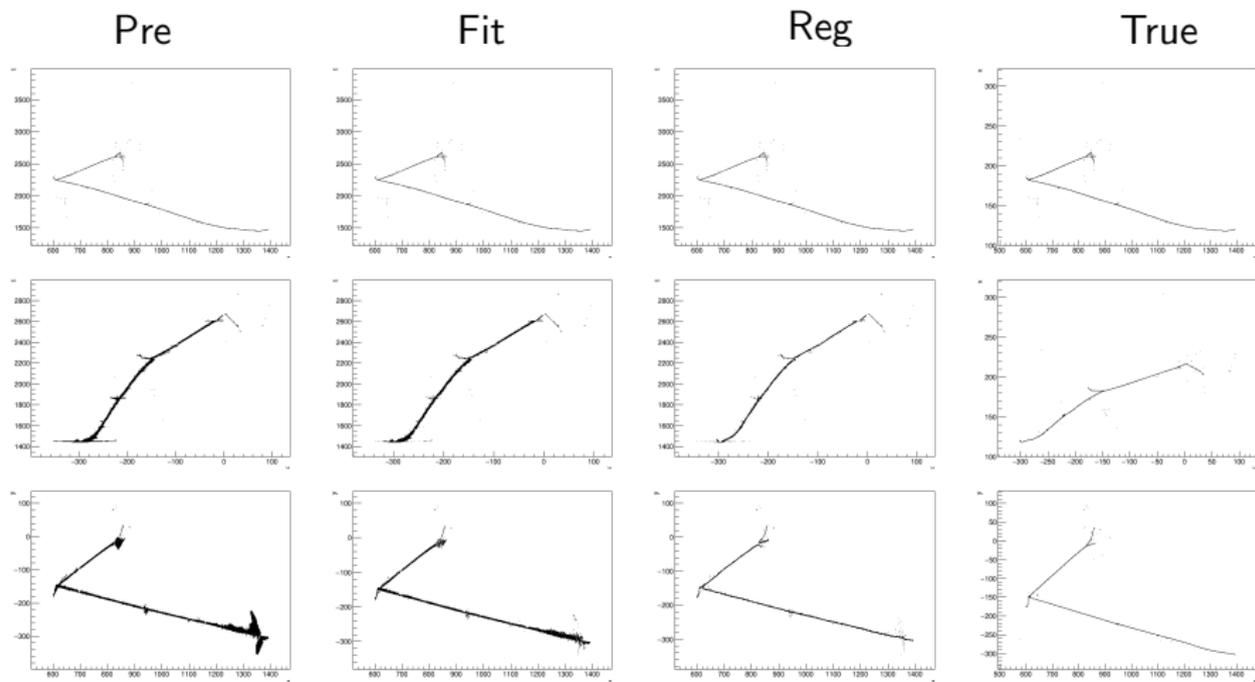
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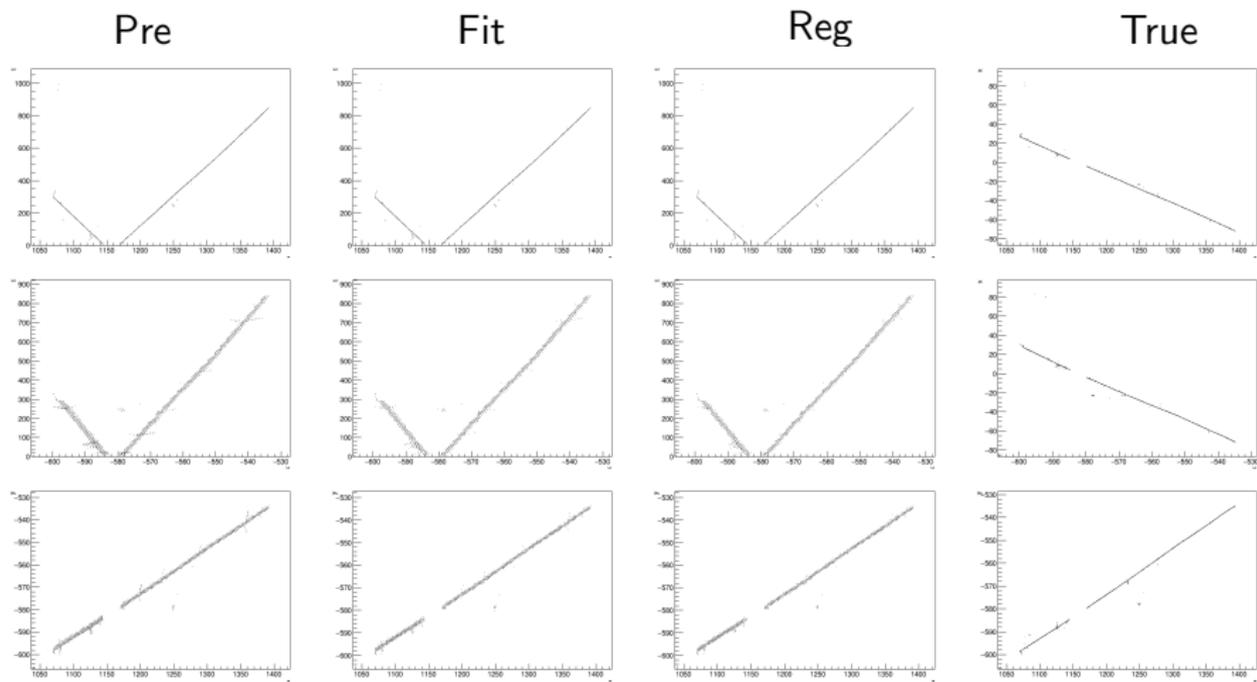
Fit

Reg

True





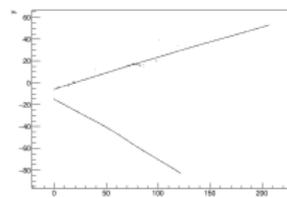
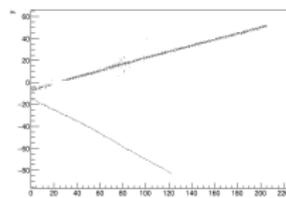
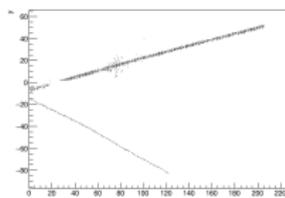
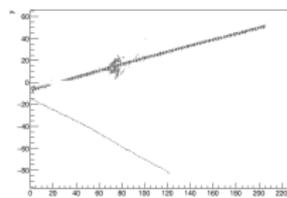
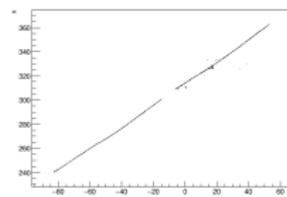
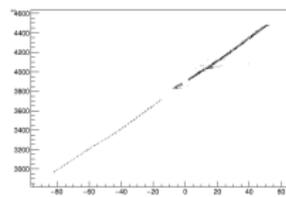
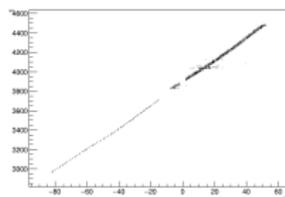
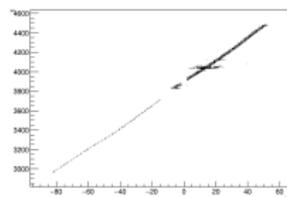
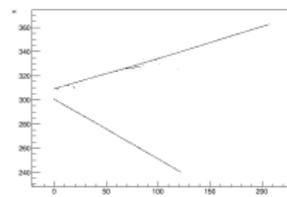
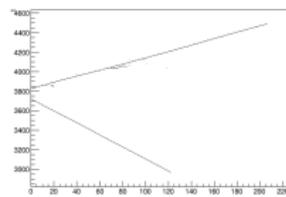
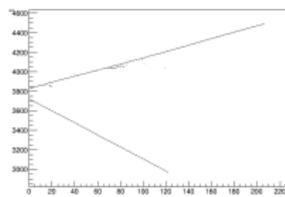
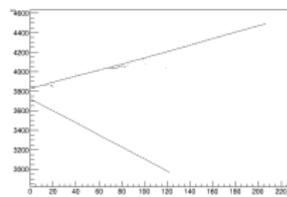


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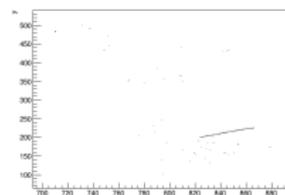
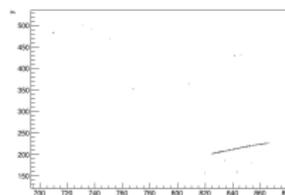
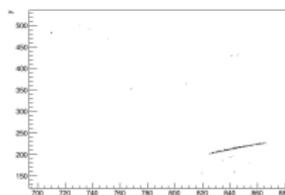
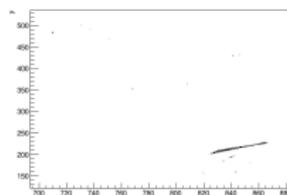
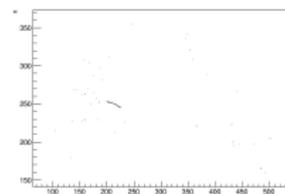
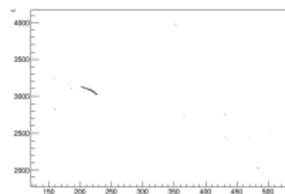
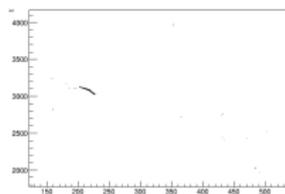
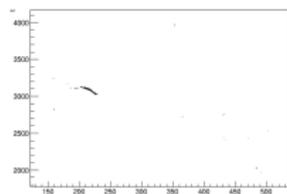
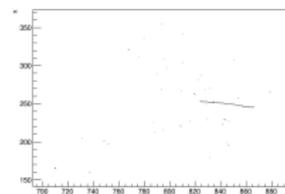
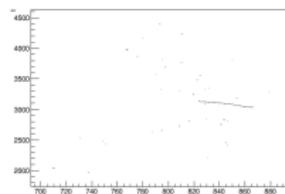
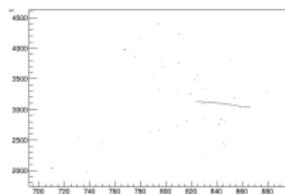
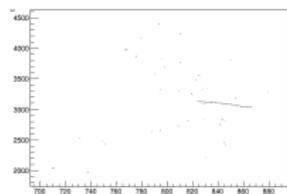


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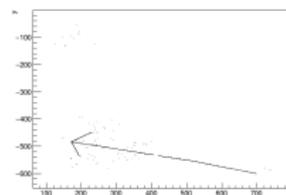
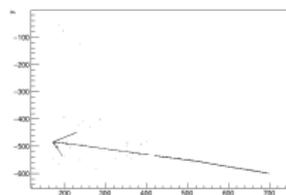
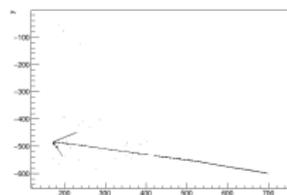
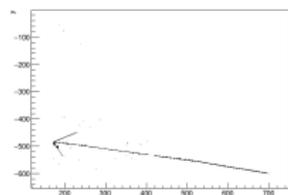
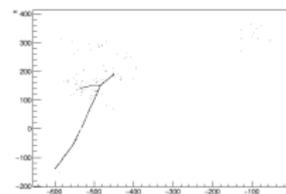
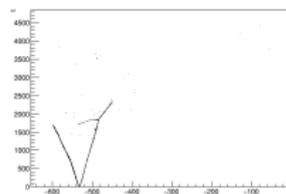
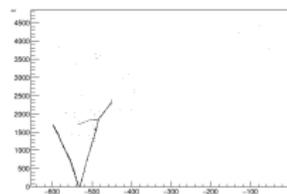
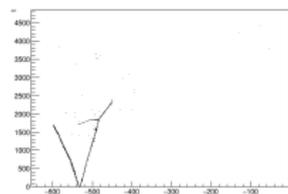
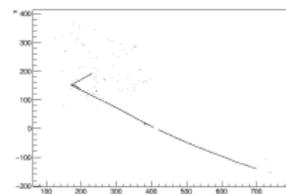
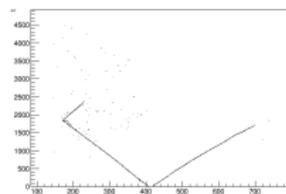
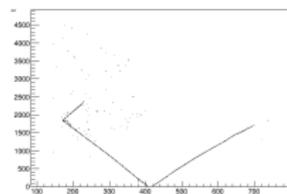
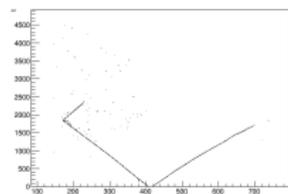


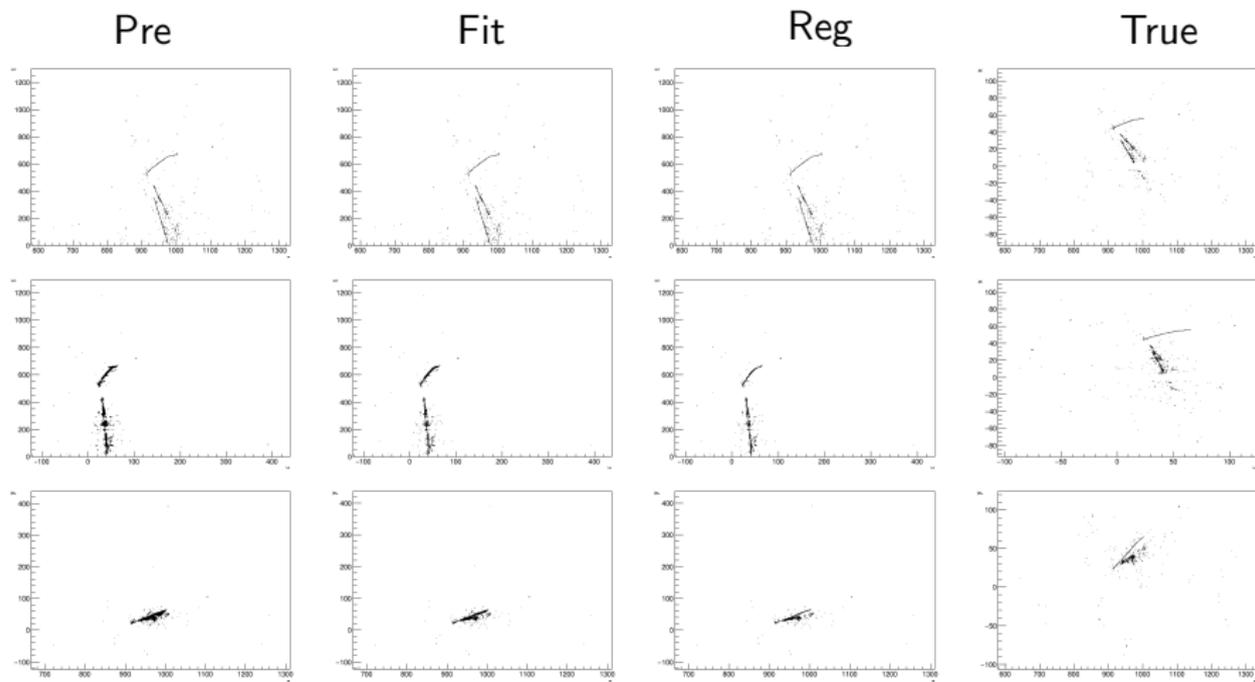
Pre

Fit

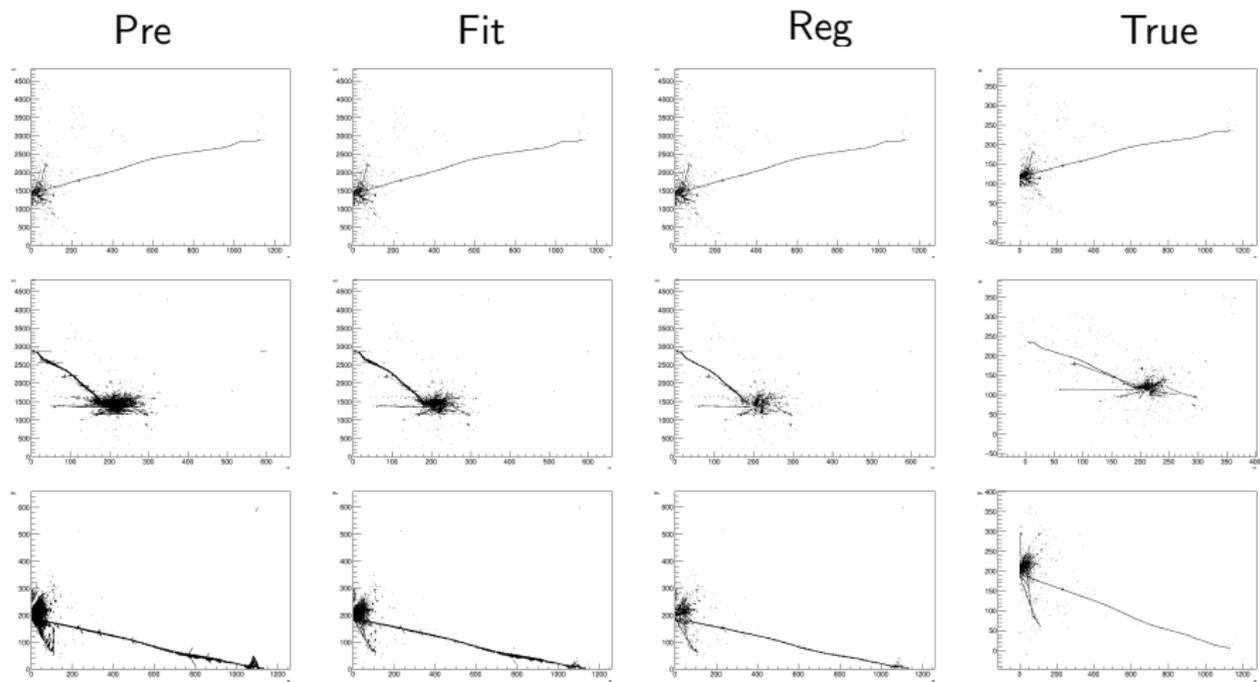
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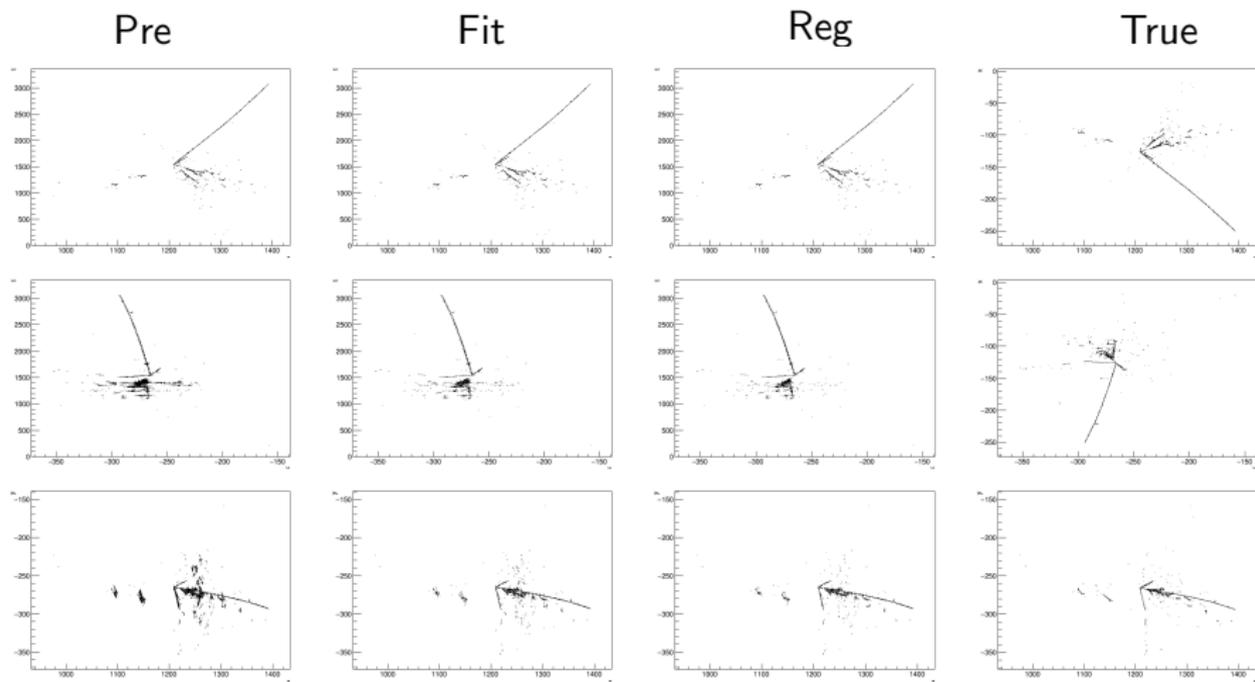
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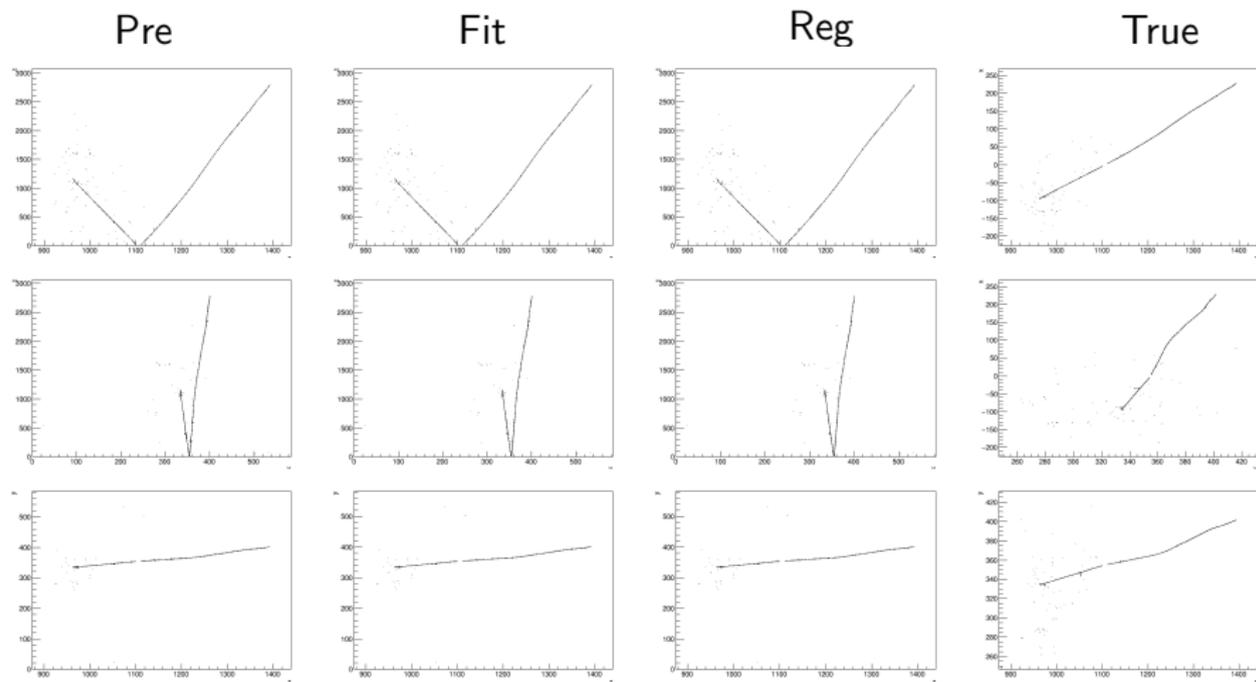




9285





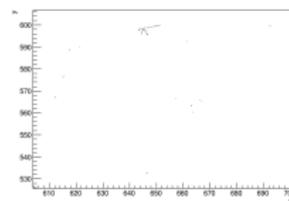
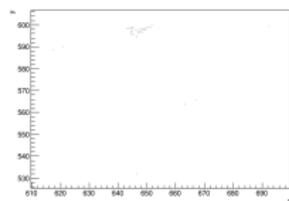
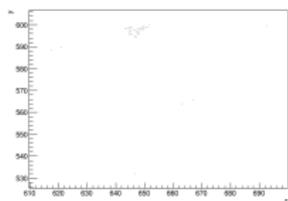
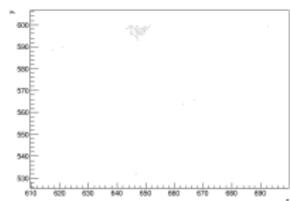
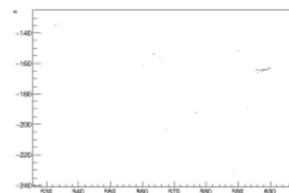
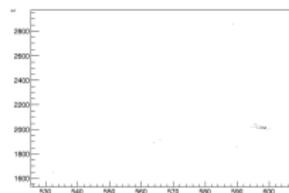
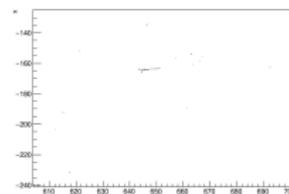
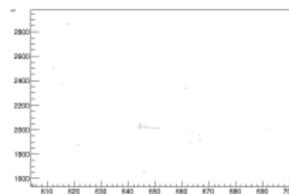
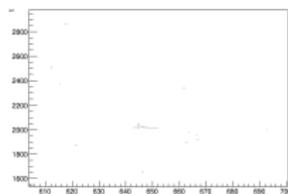
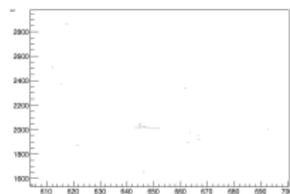


Pre

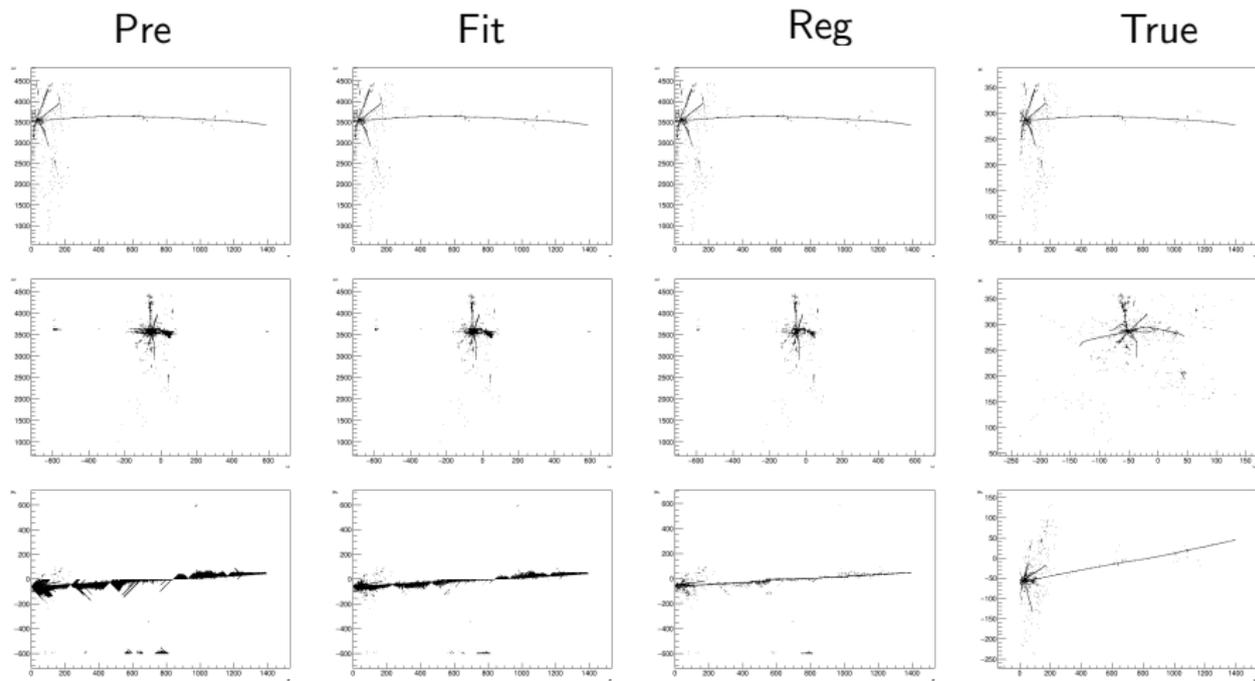
Fit

Reg

True



9290

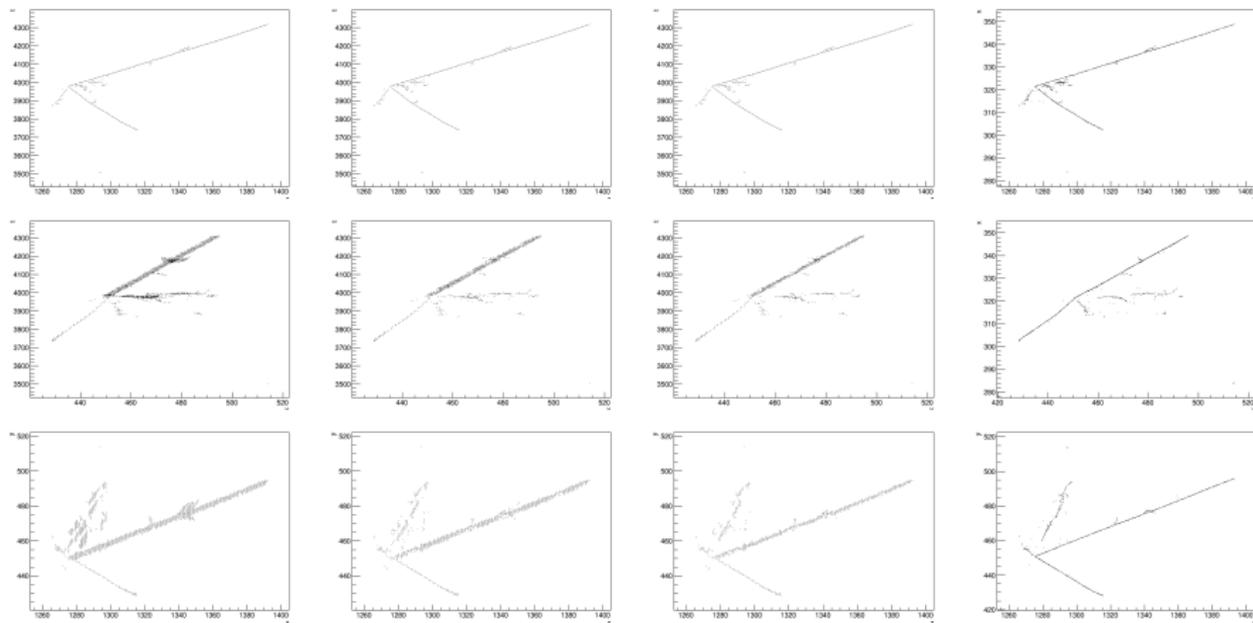


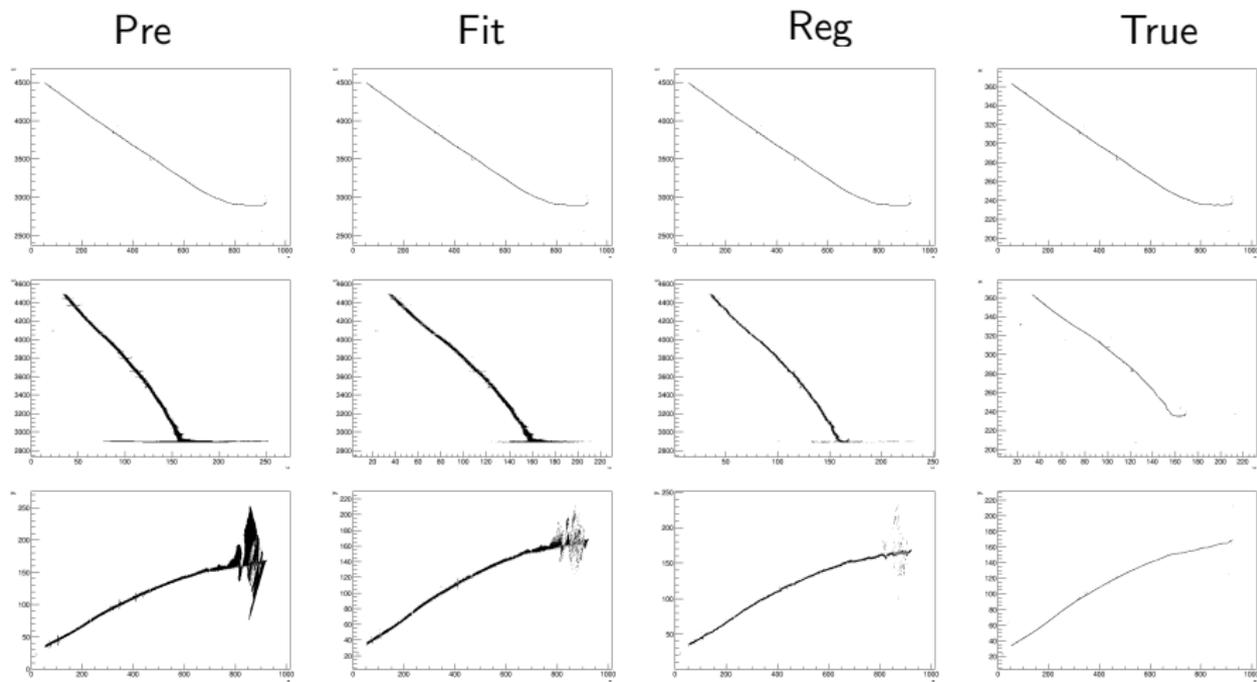
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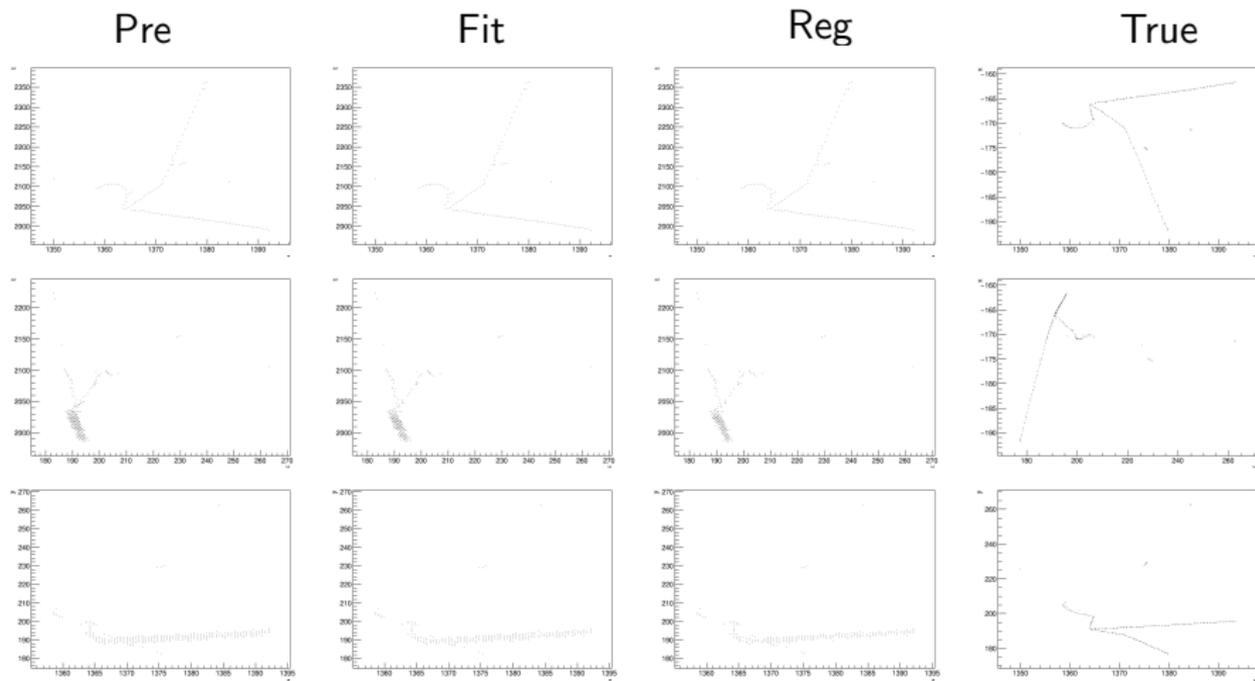
Fit

Reg

True





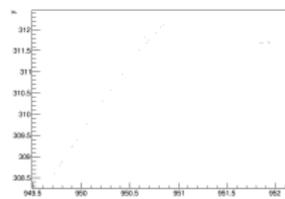
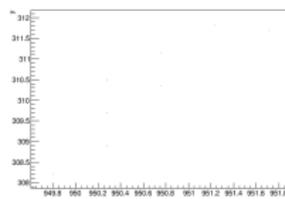
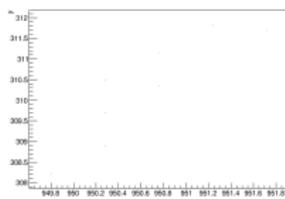
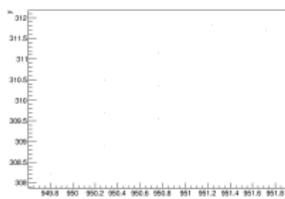
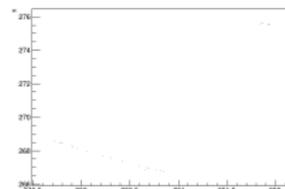
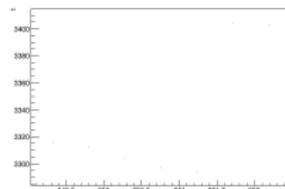
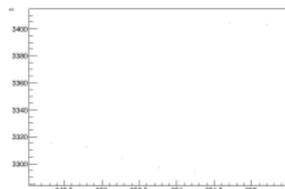
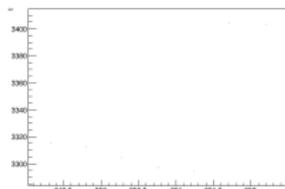


Pre

Fit

Reg

True

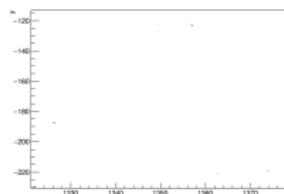
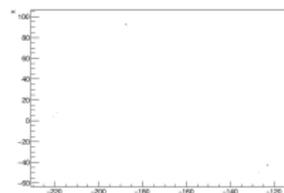
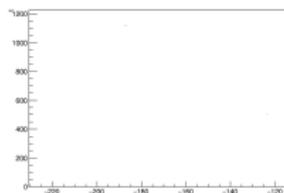
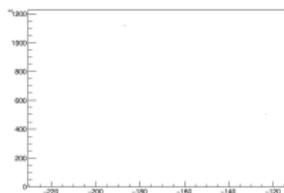
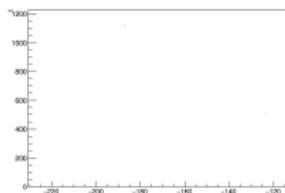
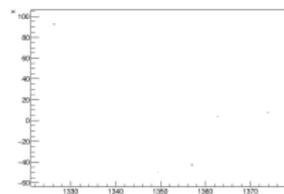
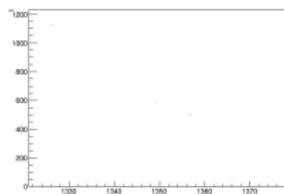
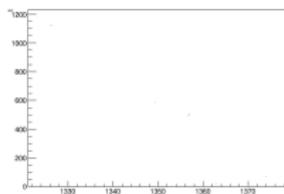
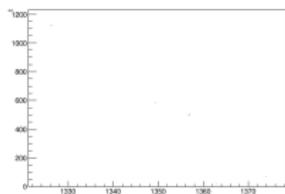


Pre

Fit

Reg

True

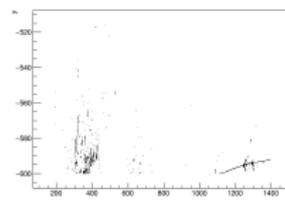
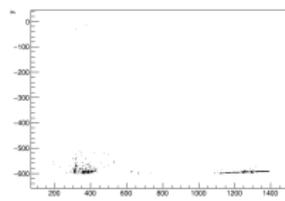
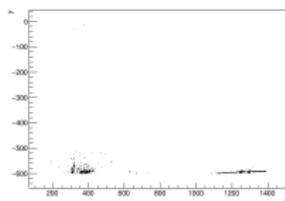
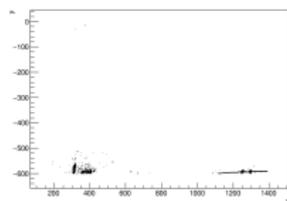
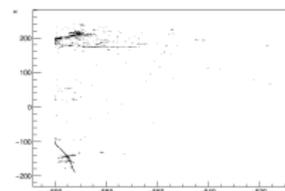
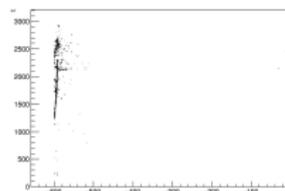
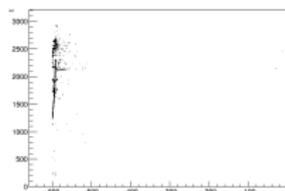
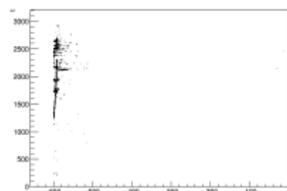
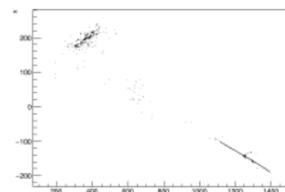
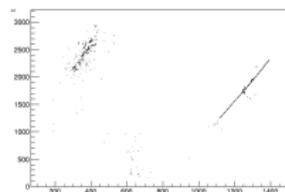
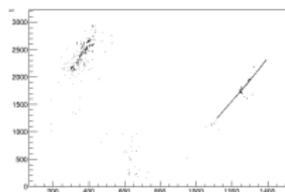
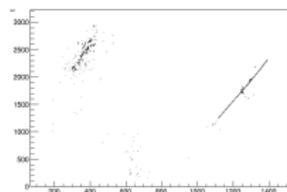


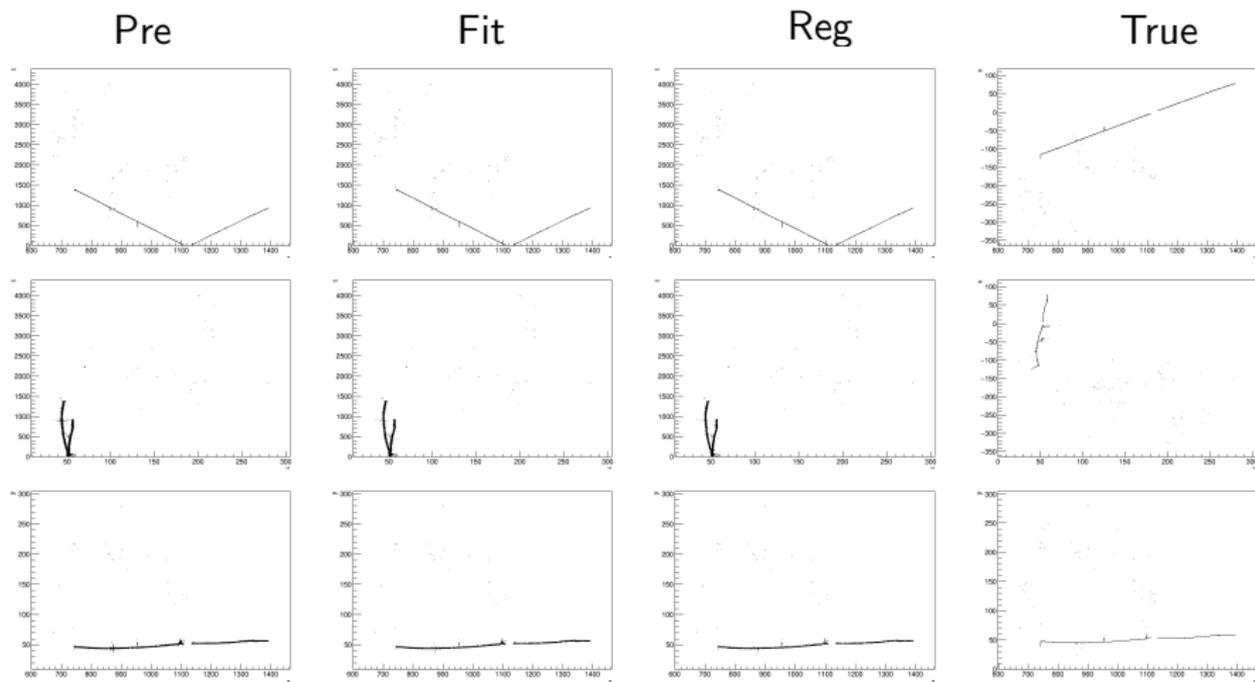
Pre

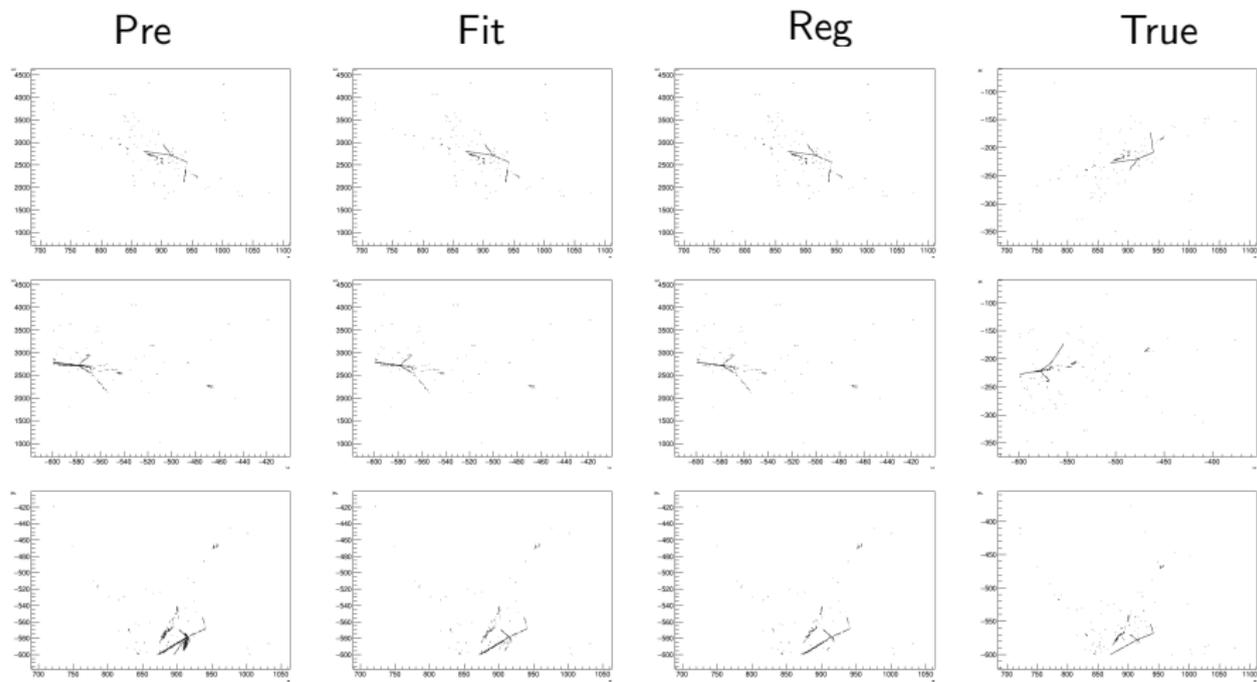
Fit

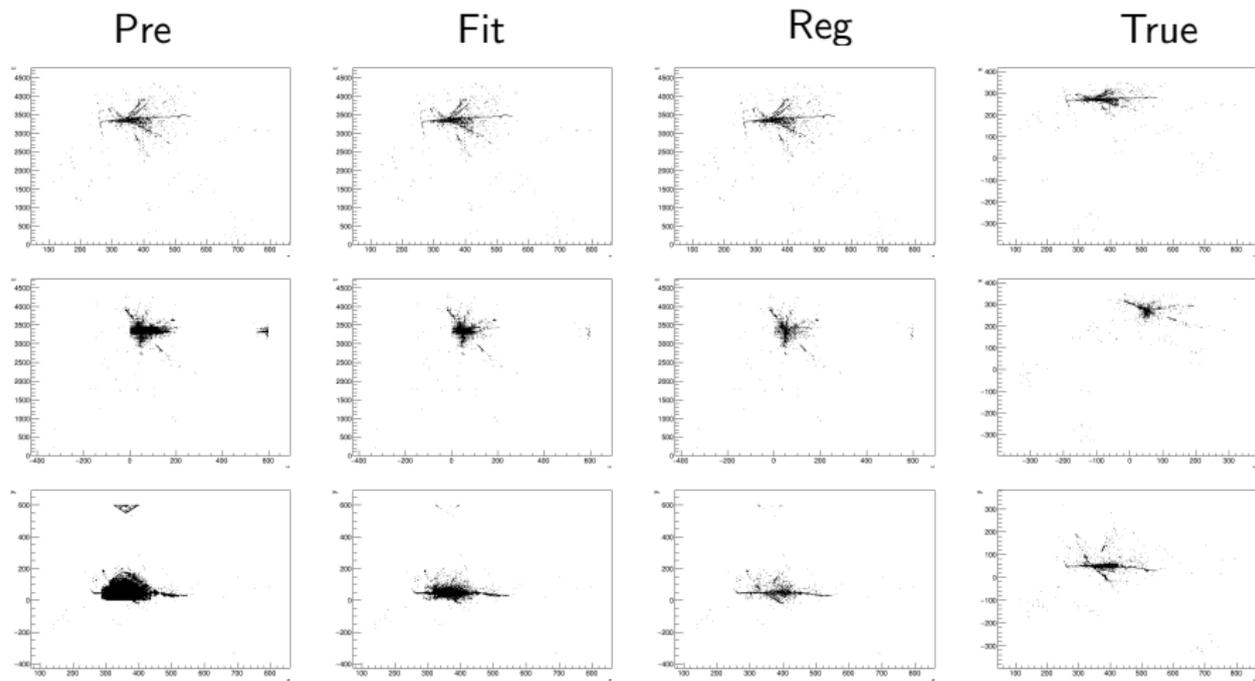
Reg

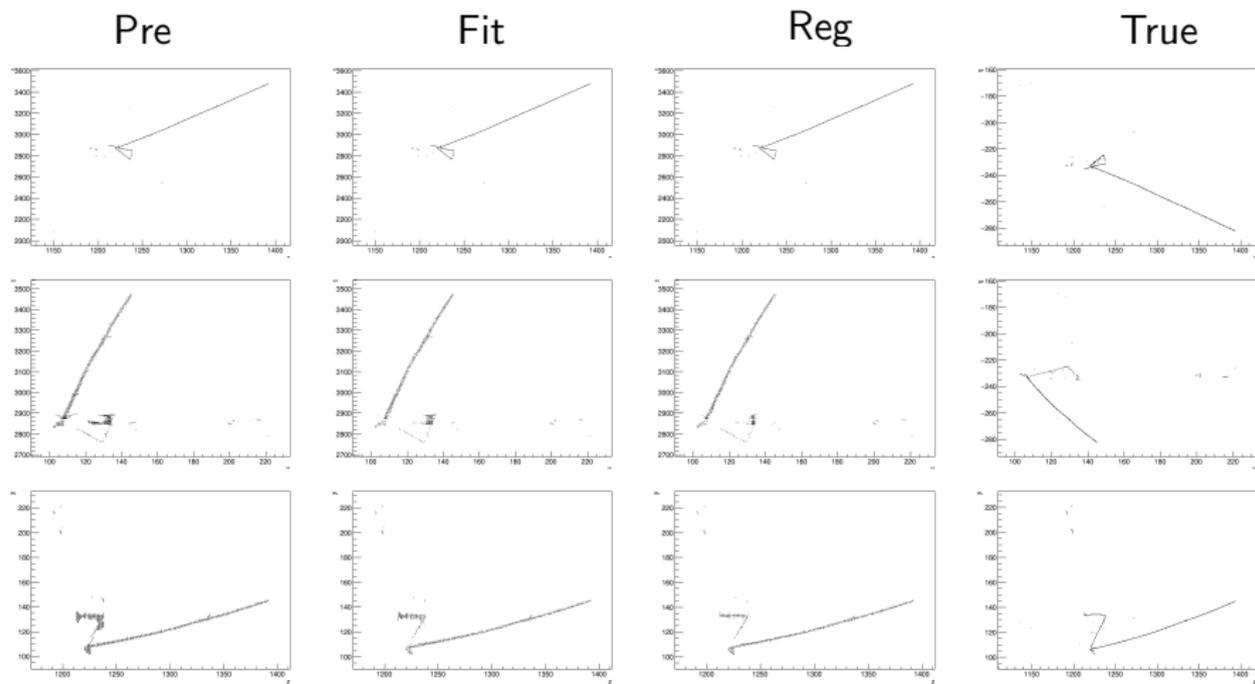
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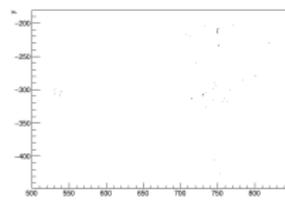
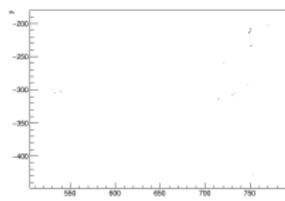
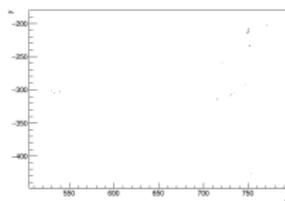
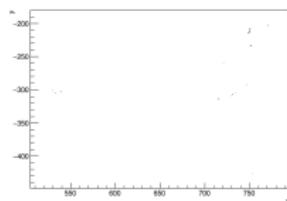
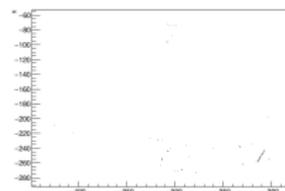
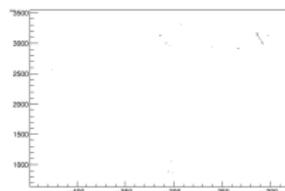
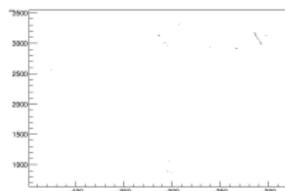
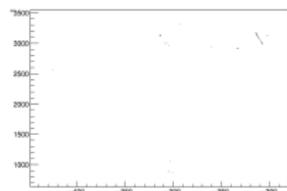
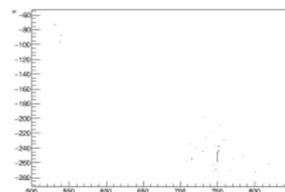
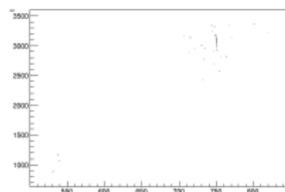
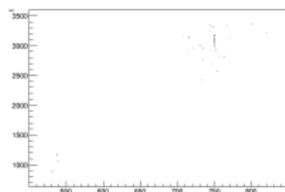
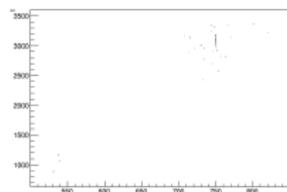


Pre

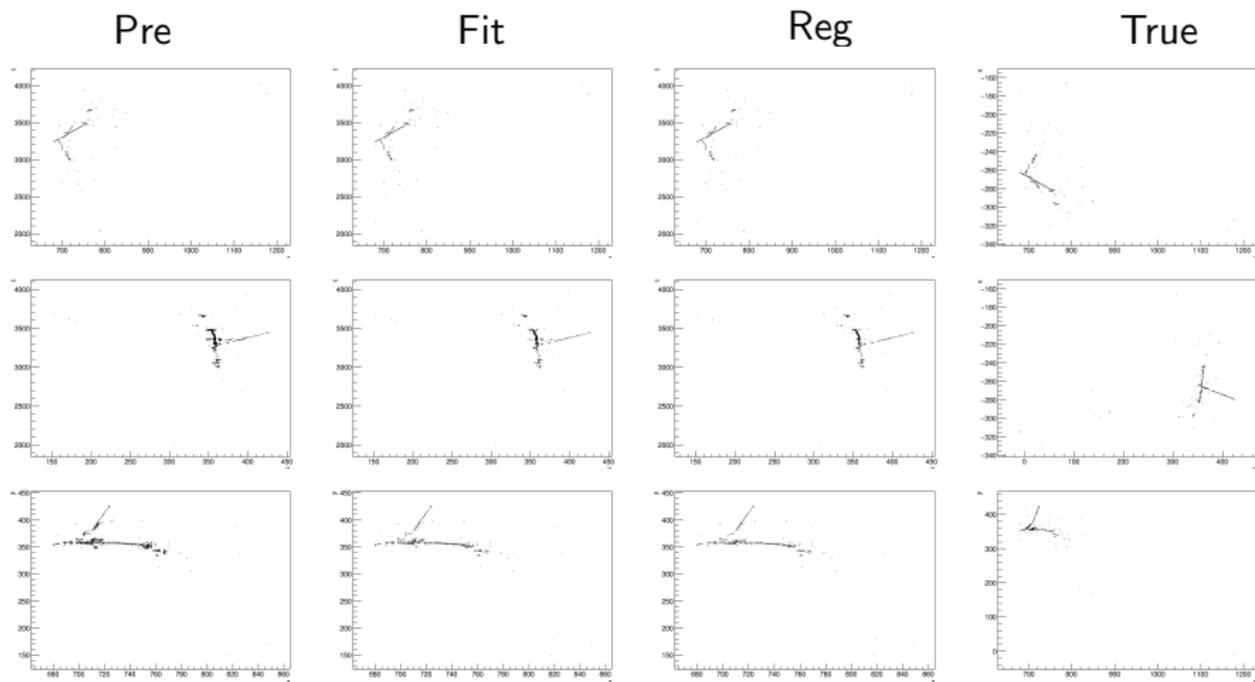
Fit

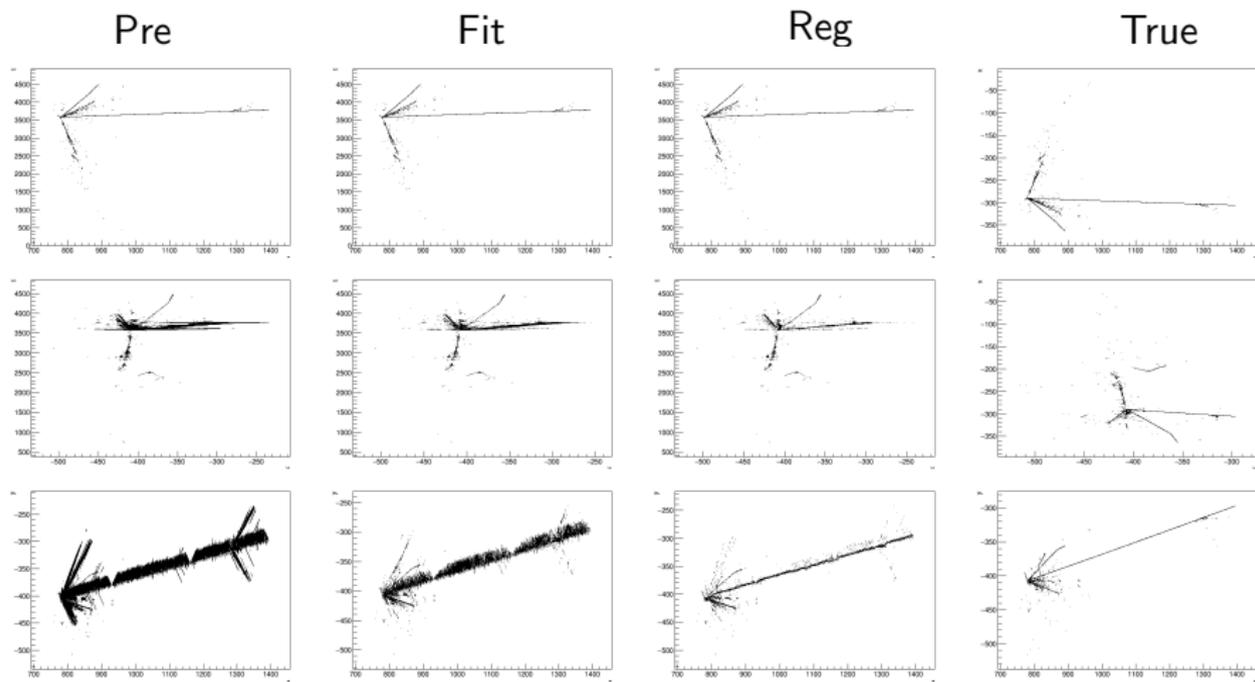
Reg

True



9304



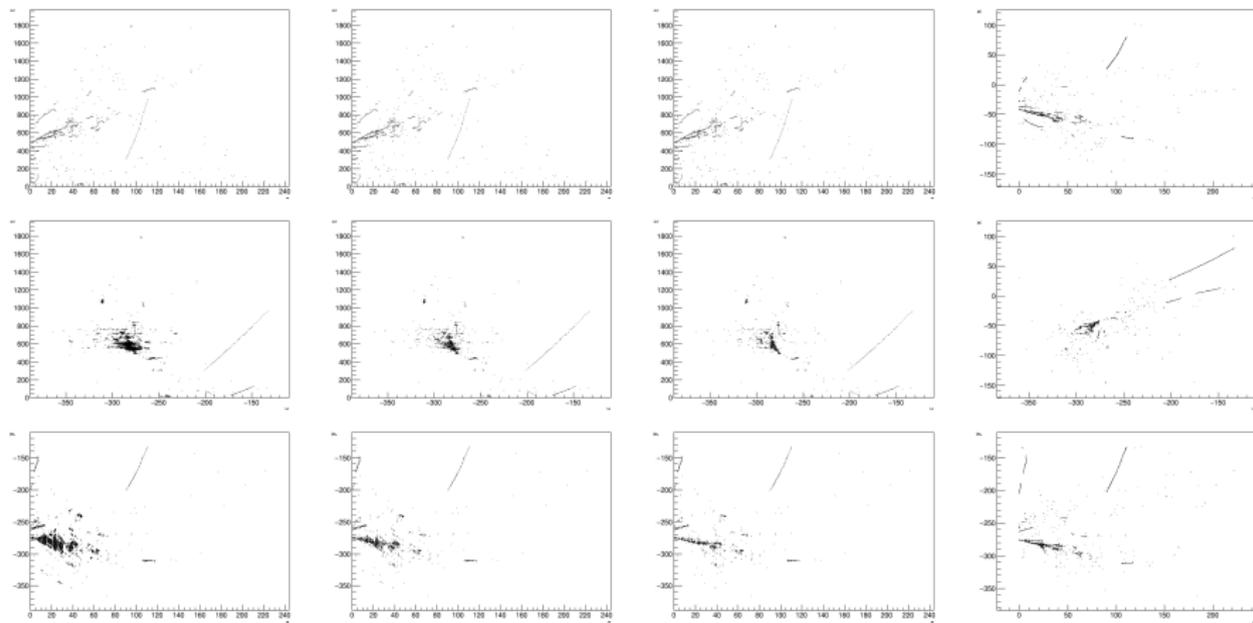


Pre

Fit

Reg

True

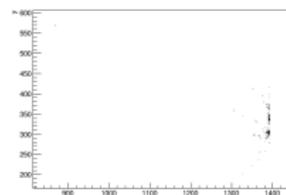
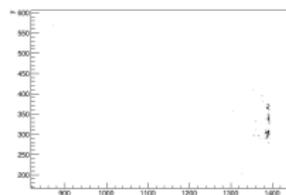
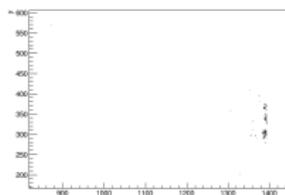
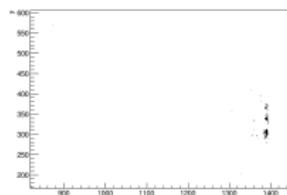
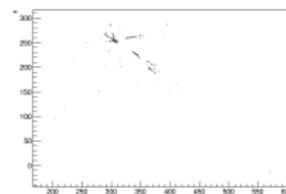
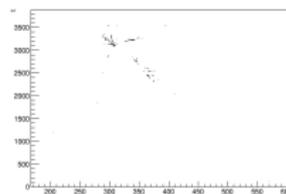
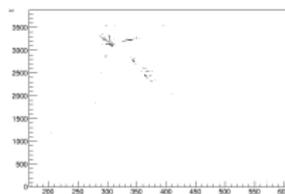
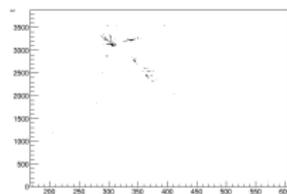
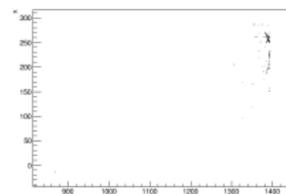
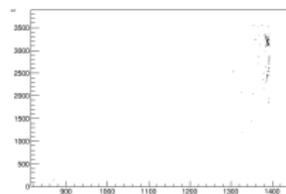
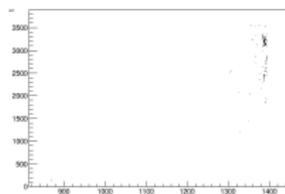
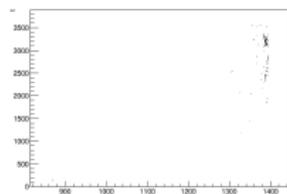


Pre

Fit

Reg

True

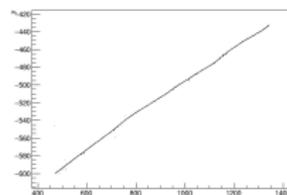
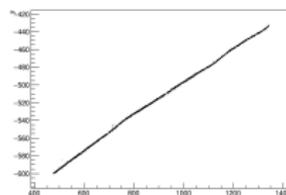
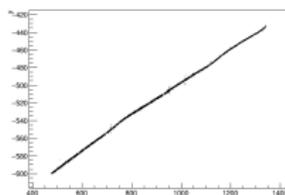
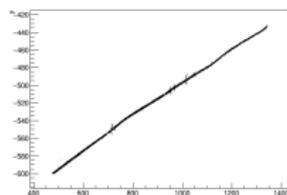
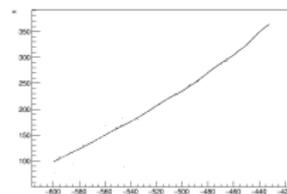
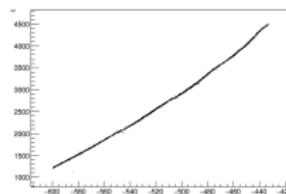
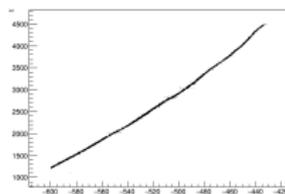
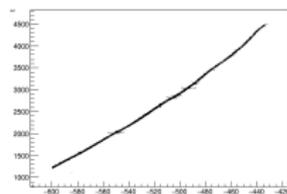
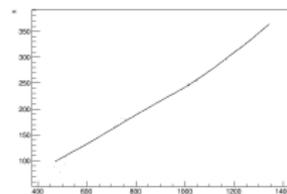
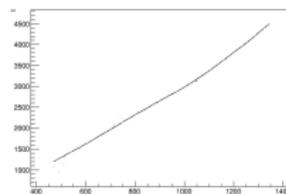
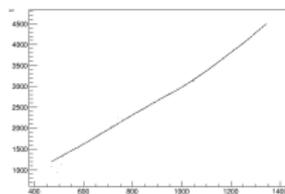
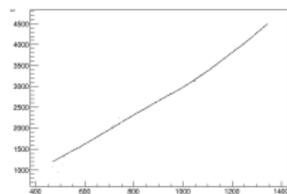


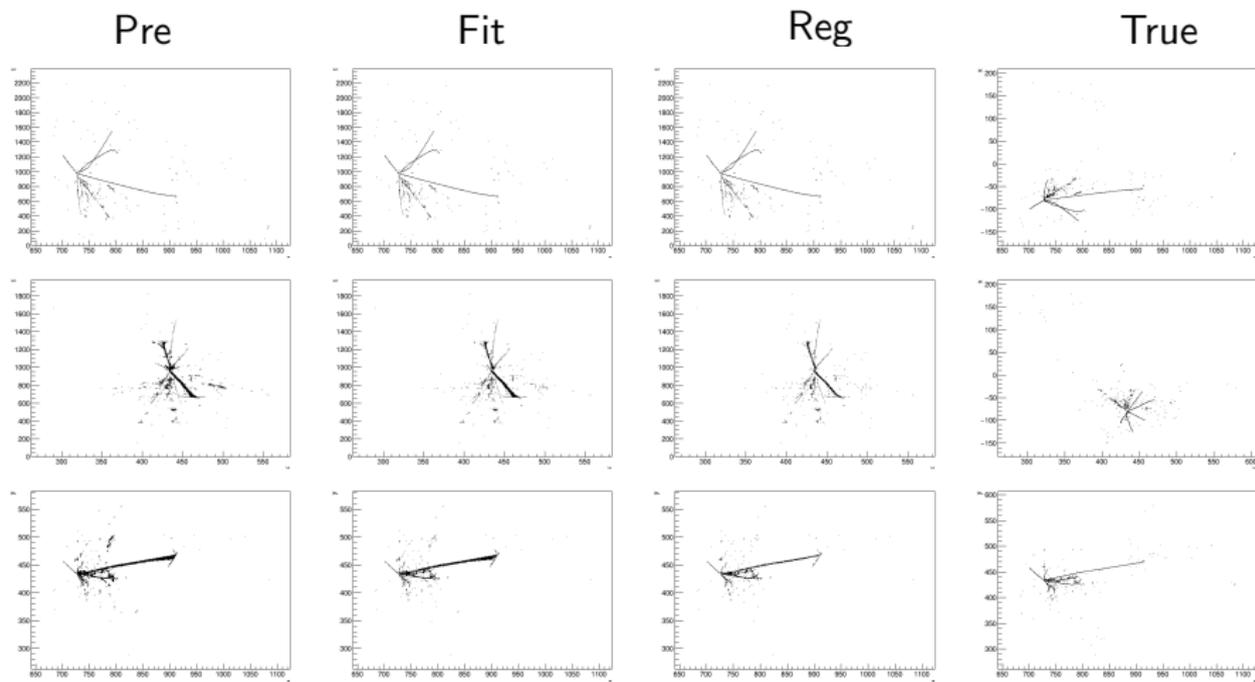
Pre

Fit

Reg

True



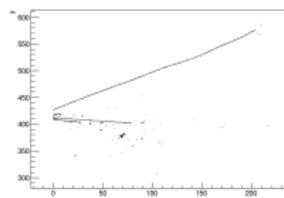
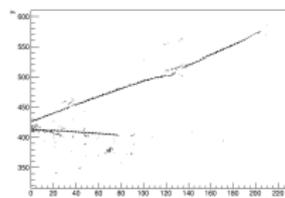
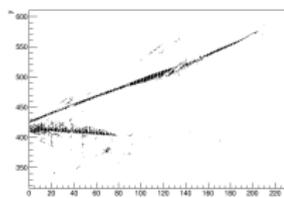
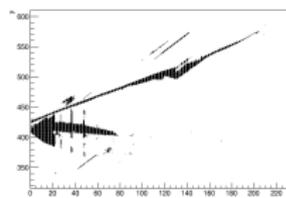
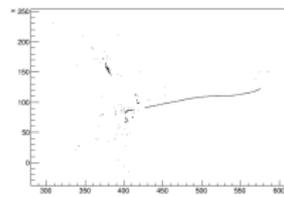
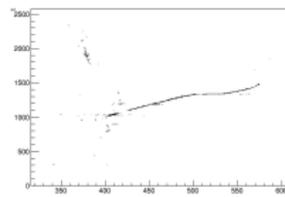
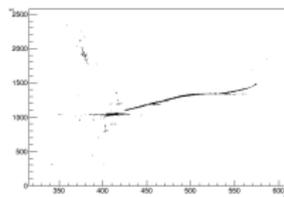
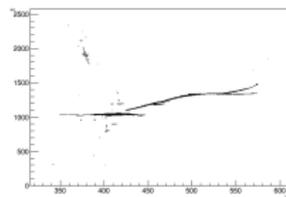
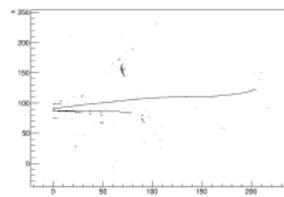
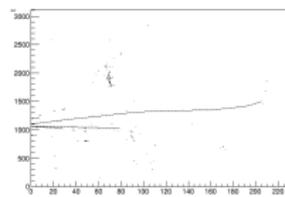
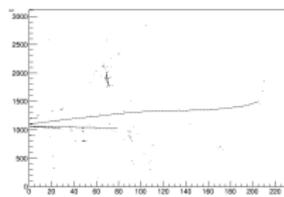
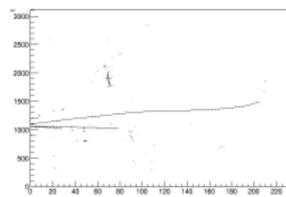


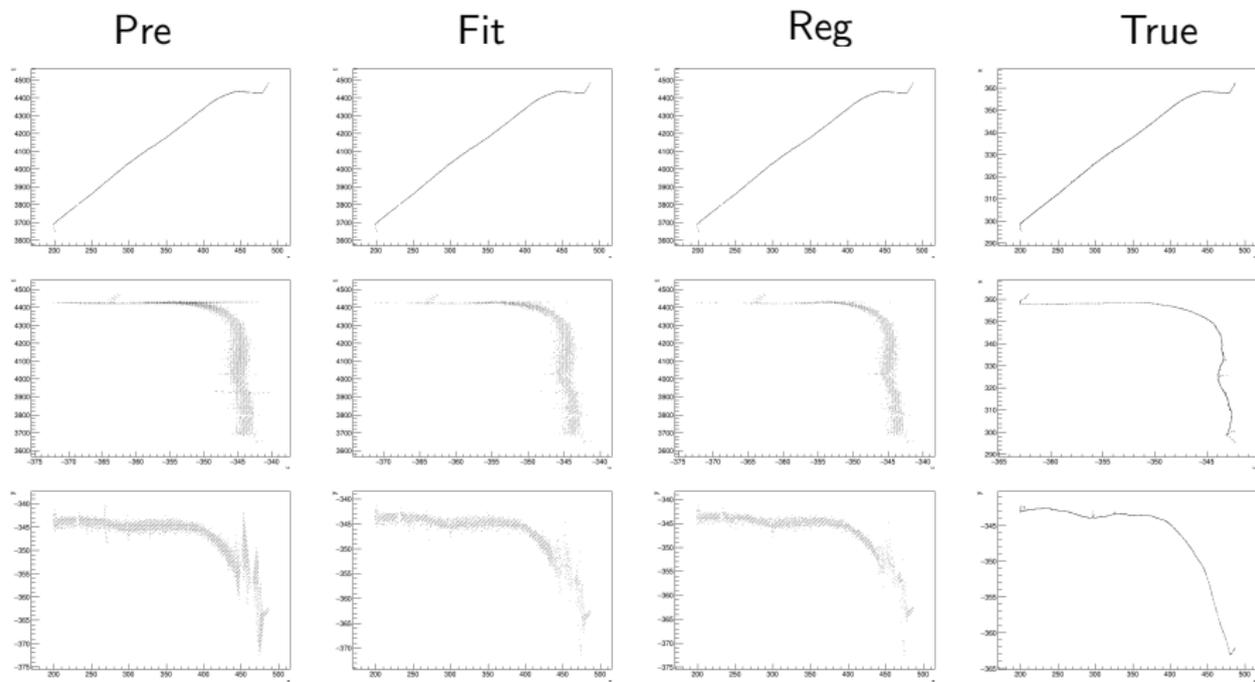
Pre

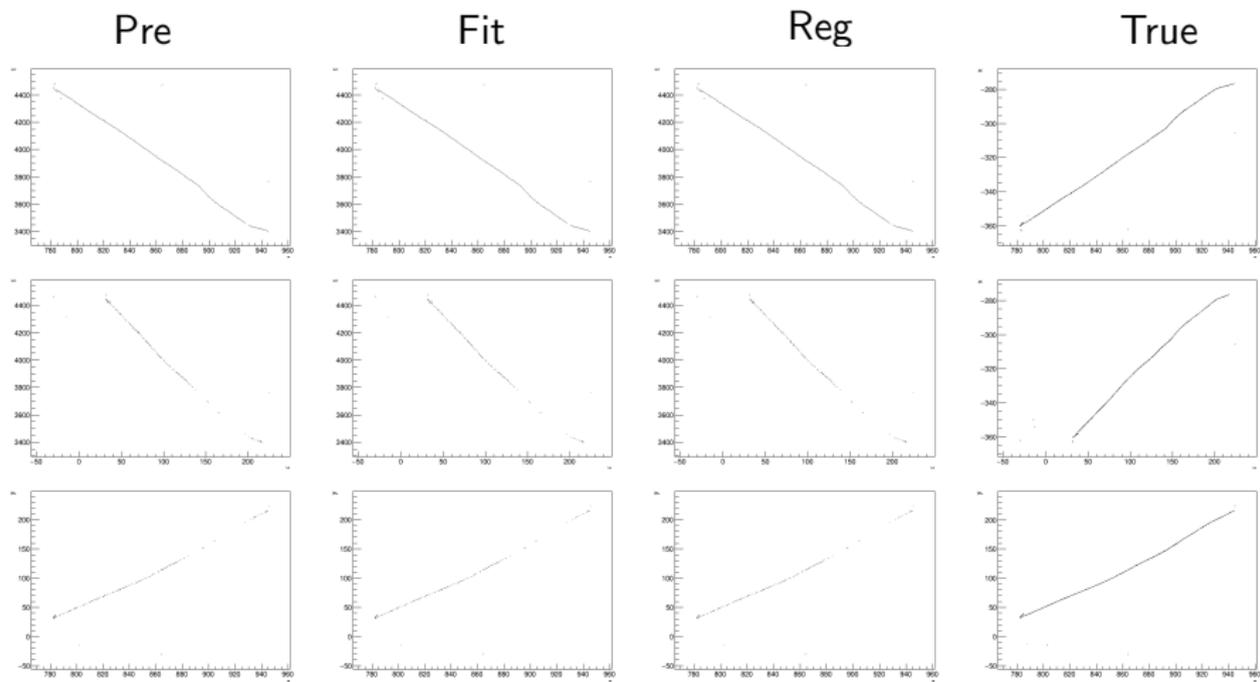
Fit

Reg

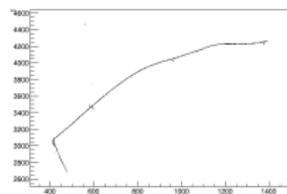
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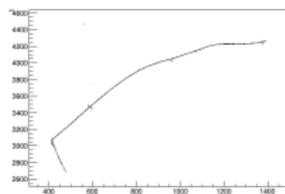




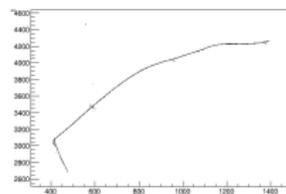
Pre



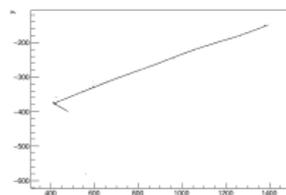
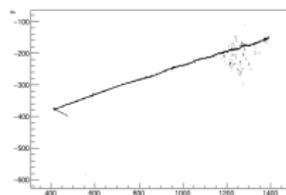
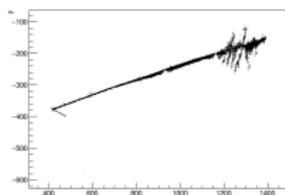
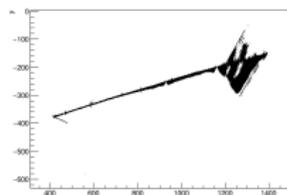
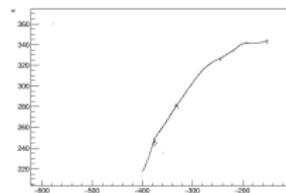
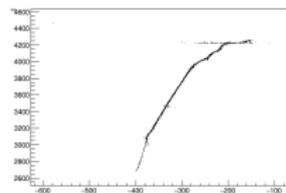
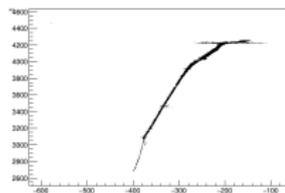
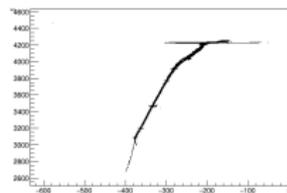
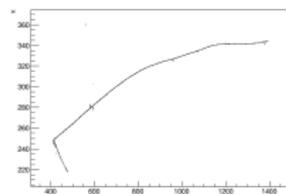
Fit



Reg



True



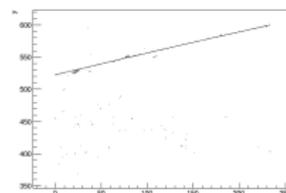
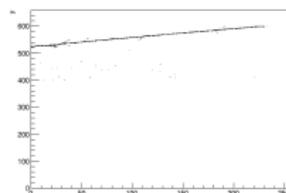
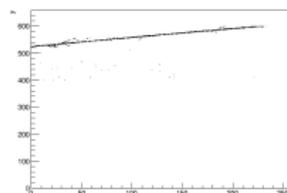
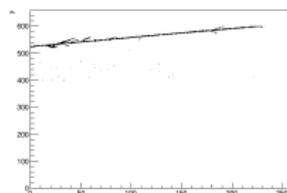
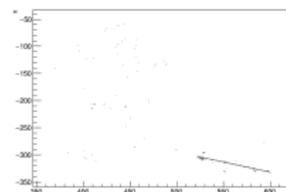
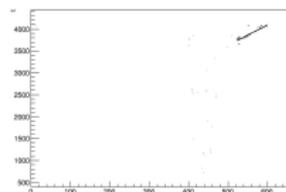
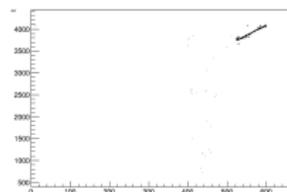
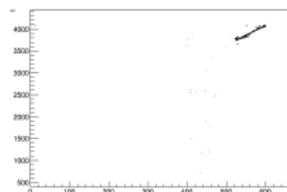
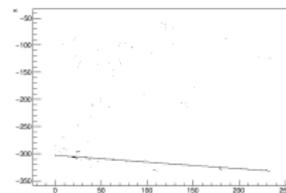
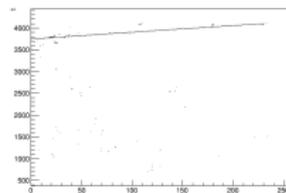
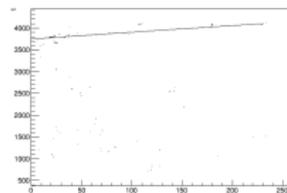
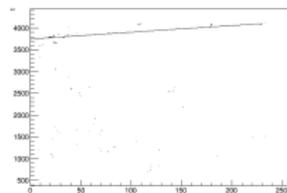
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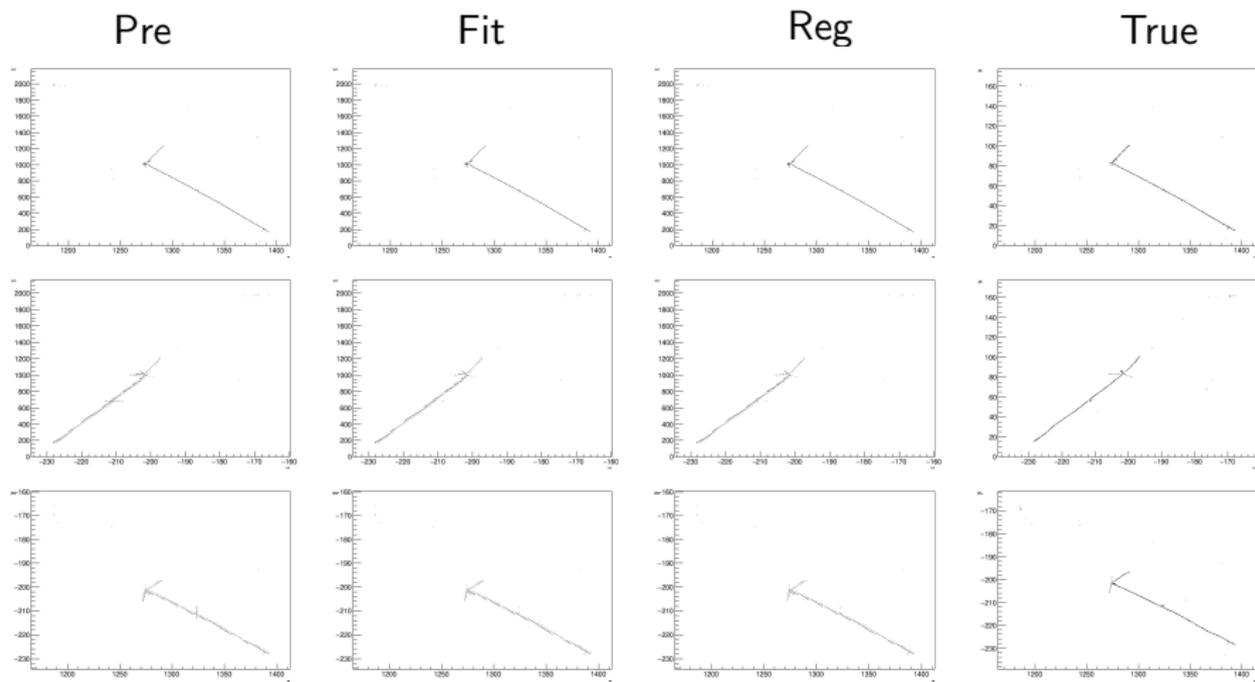
Pre

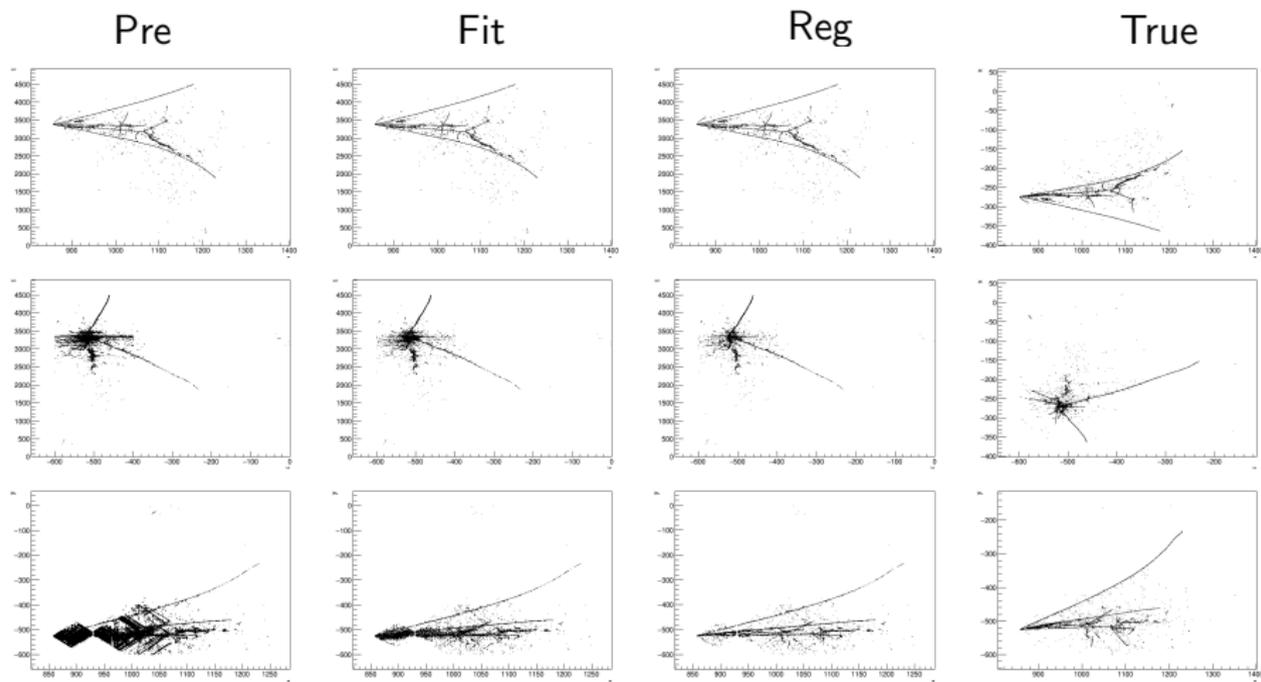
Fit

Reg

True







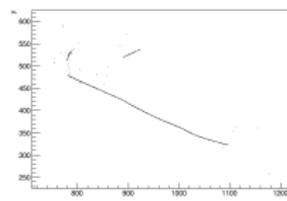
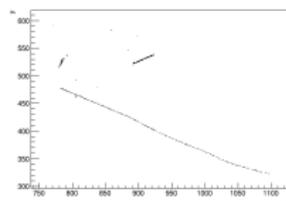
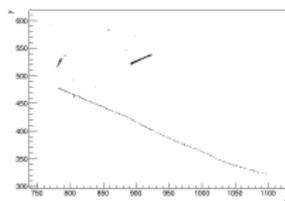
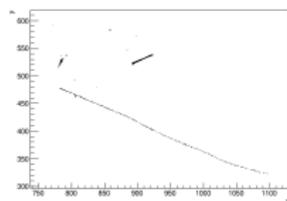
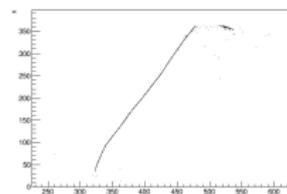
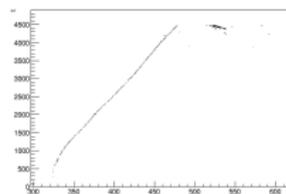
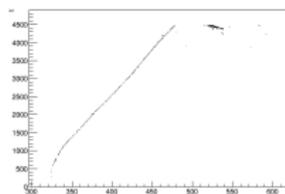
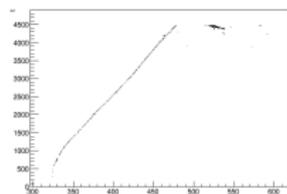
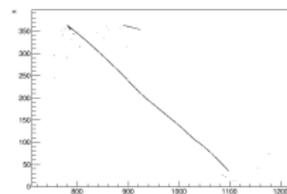
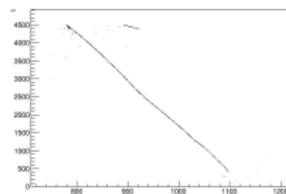
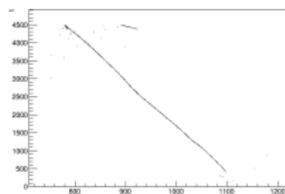
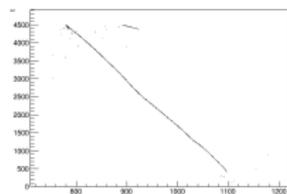
9317

Pre

Fit

Reg

True



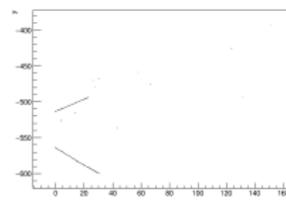
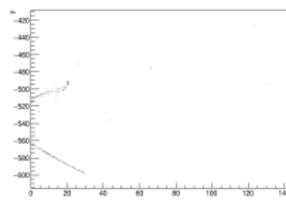
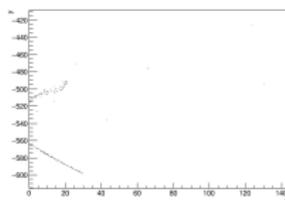
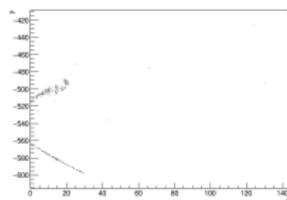
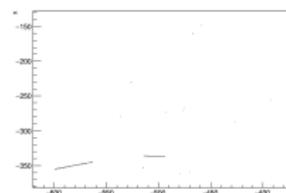
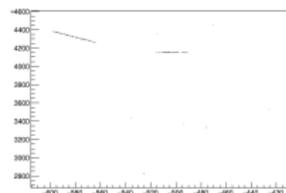
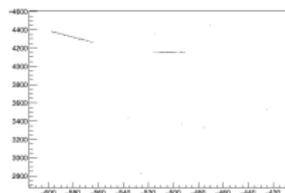
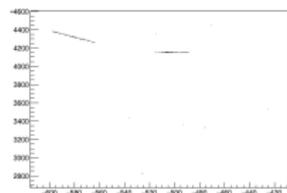
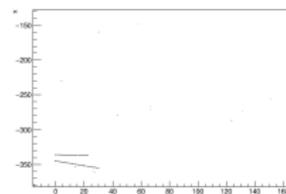
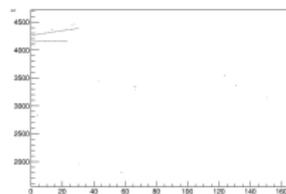
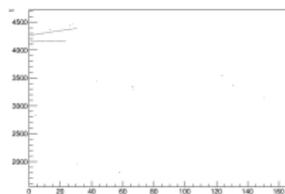
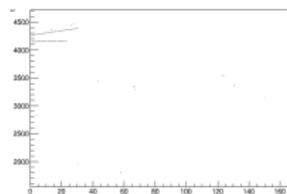
9318

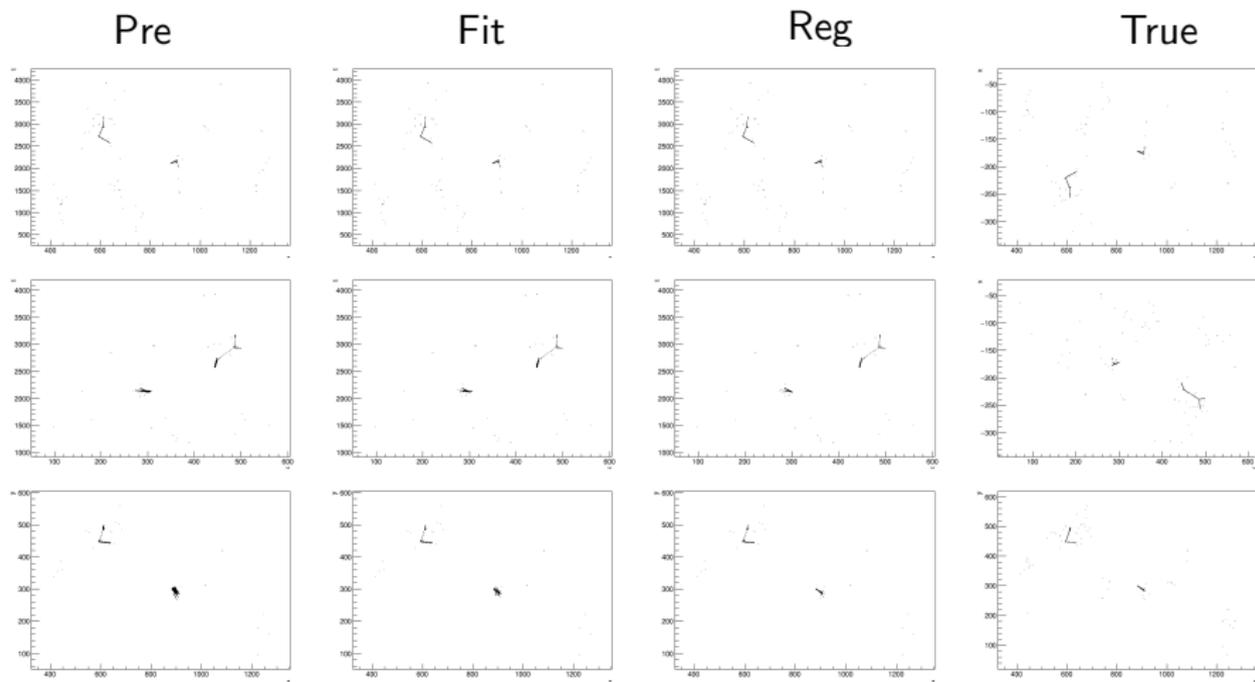
Pre

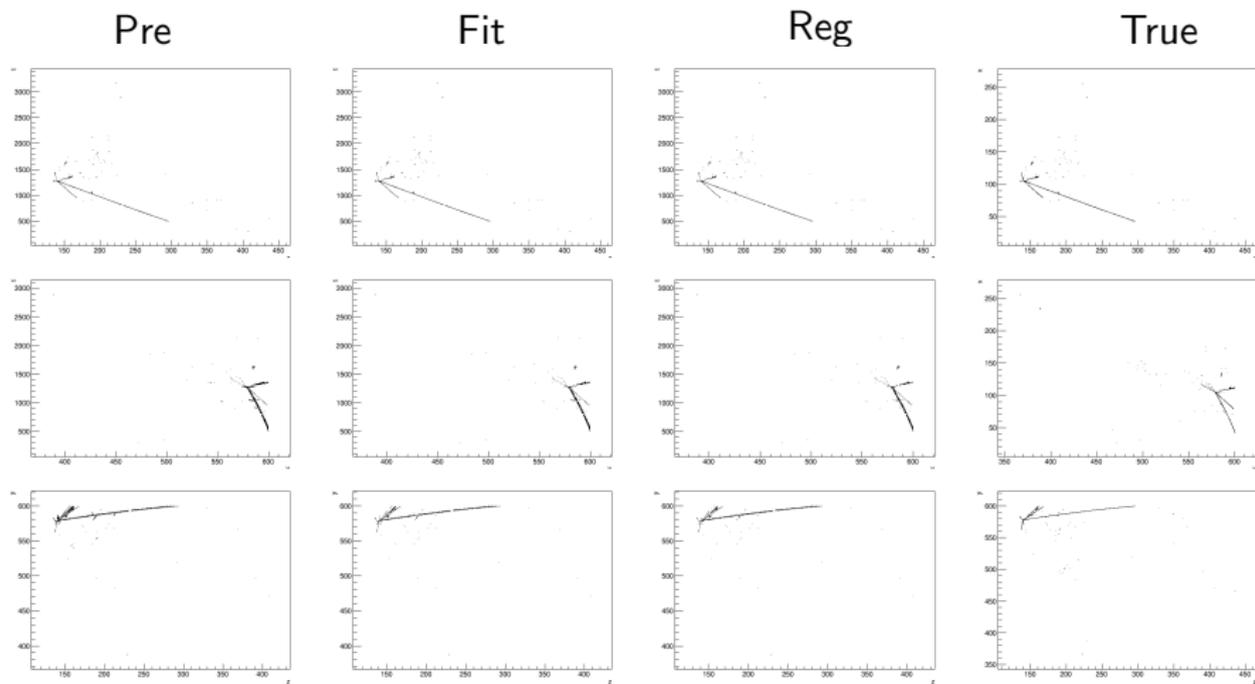
Fit

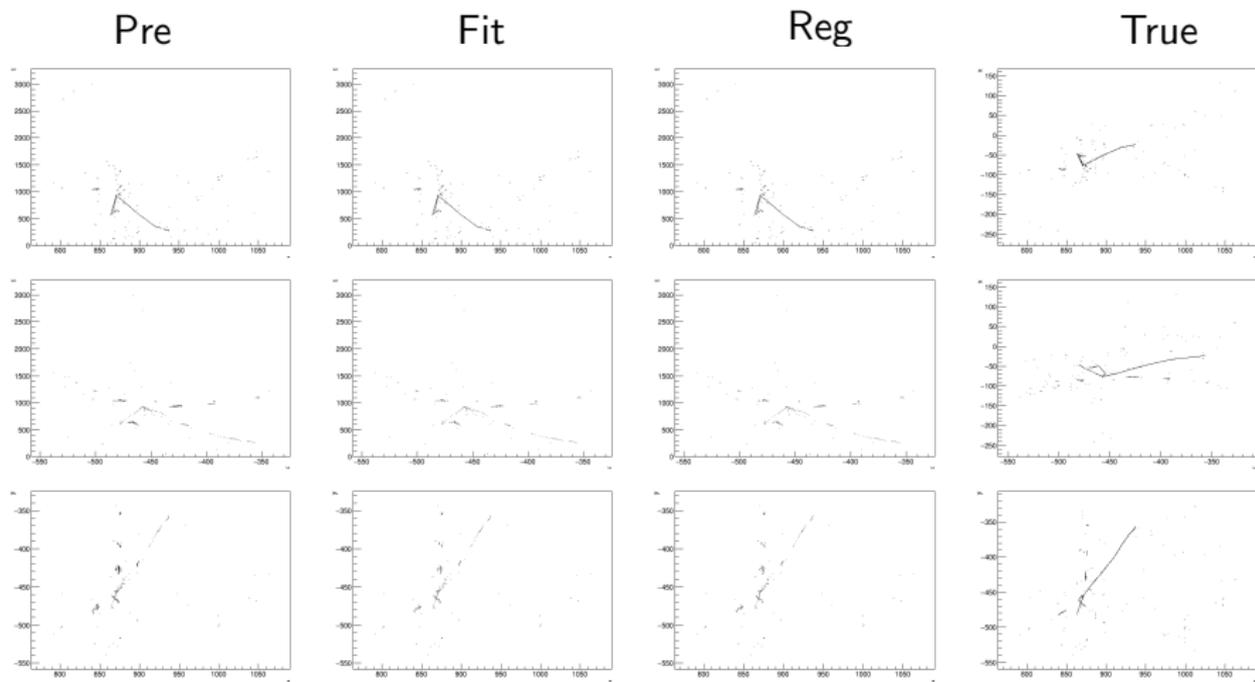
Reg

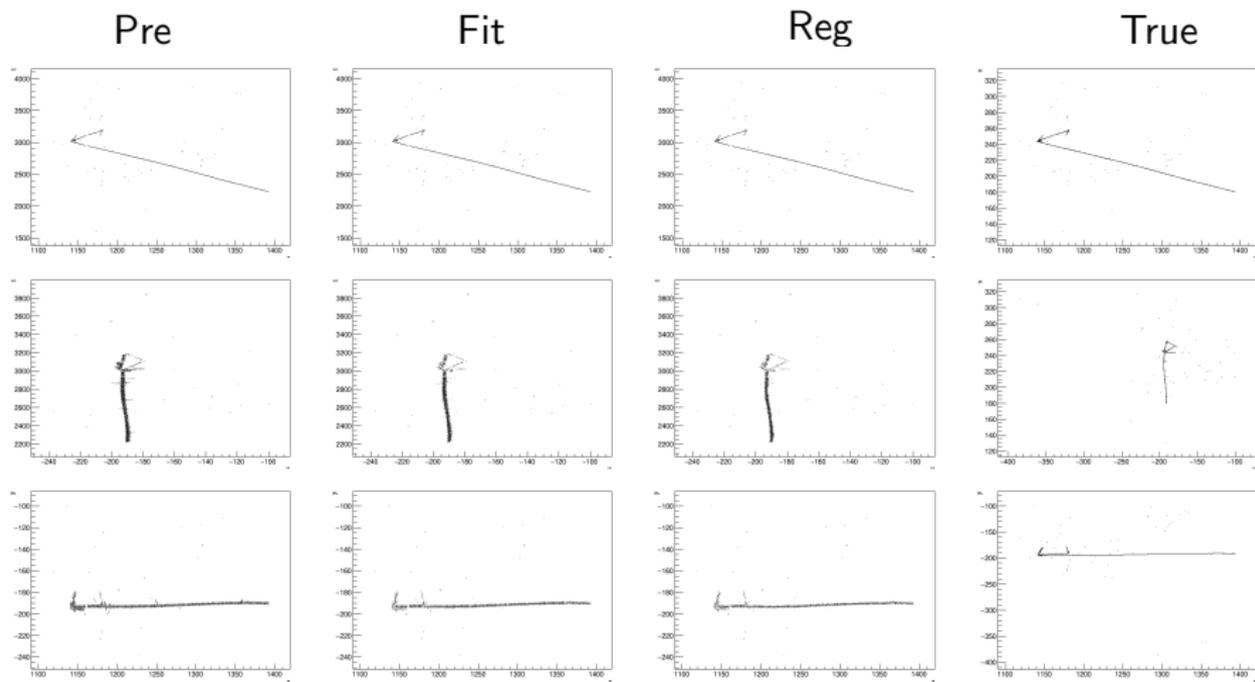
True

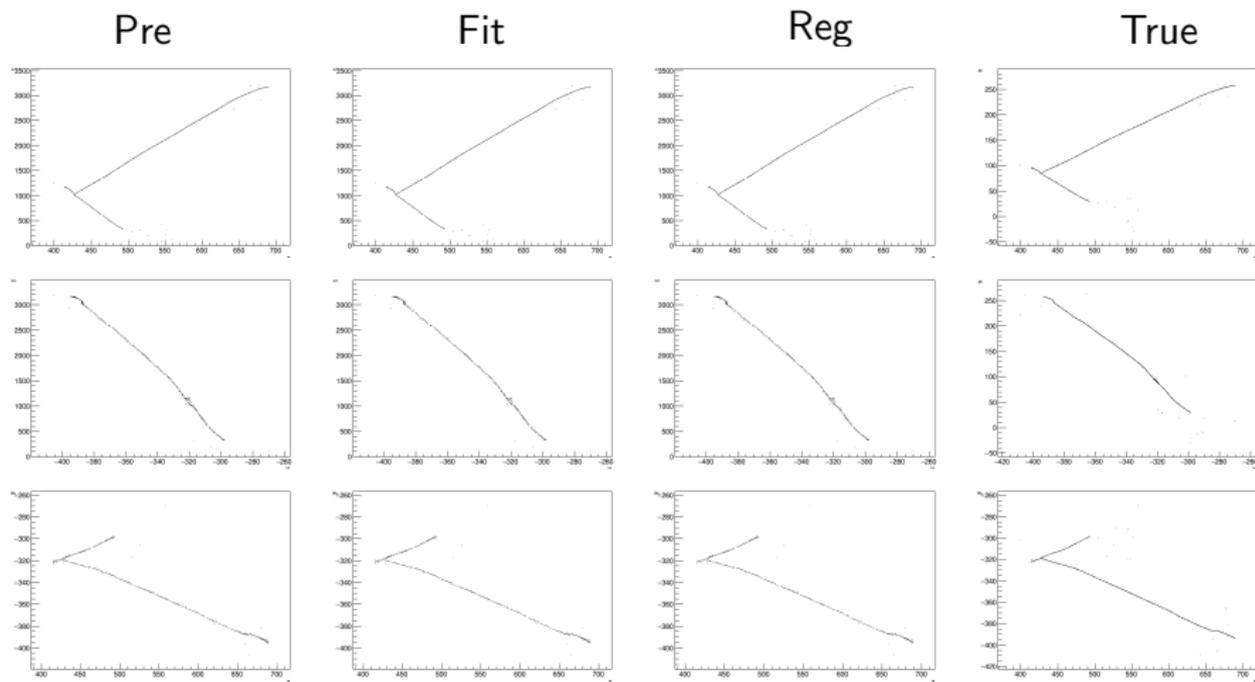


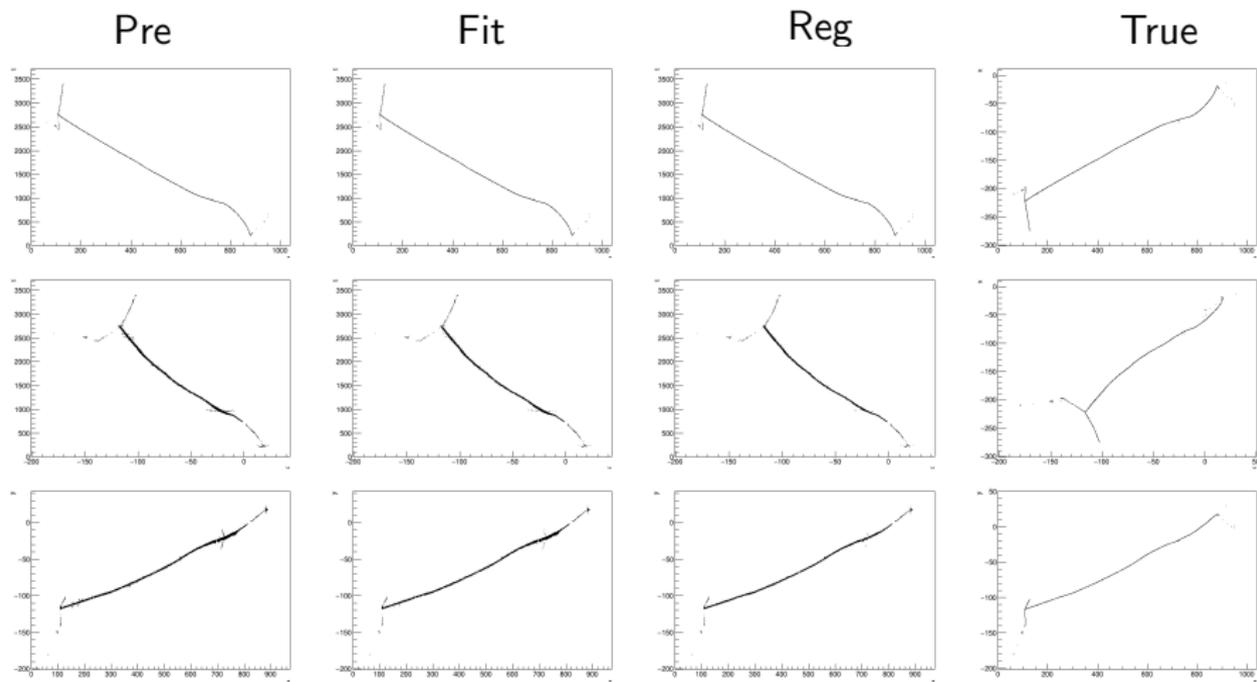


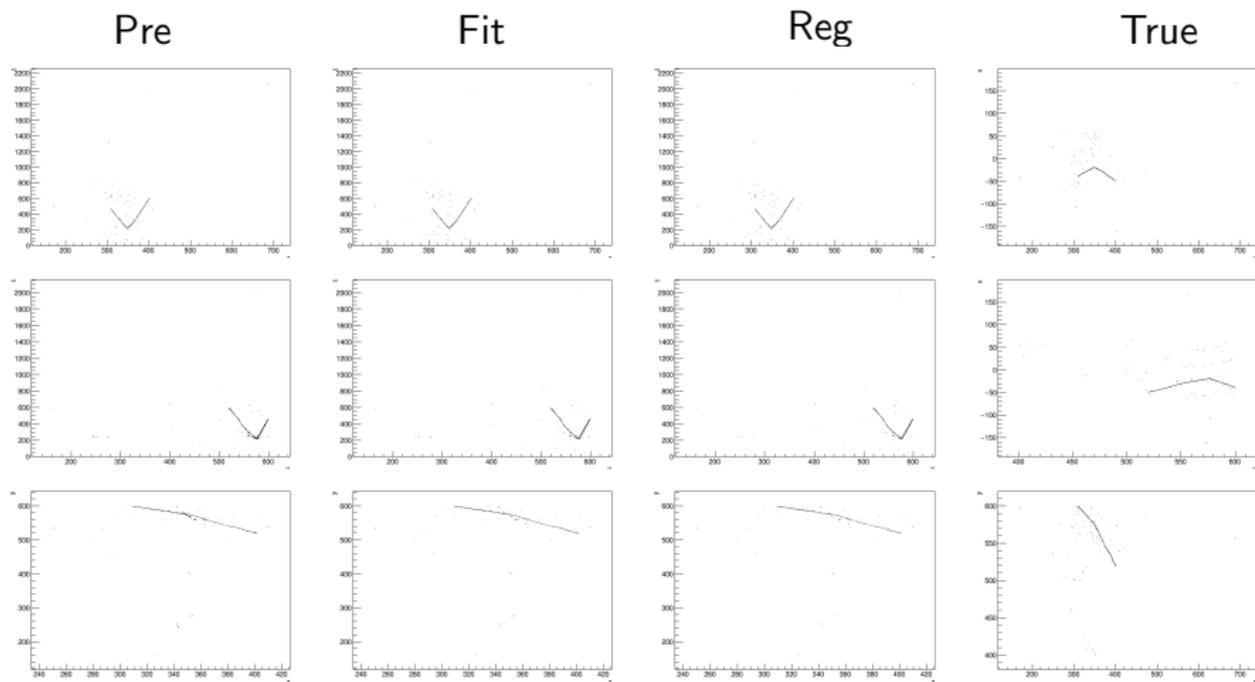


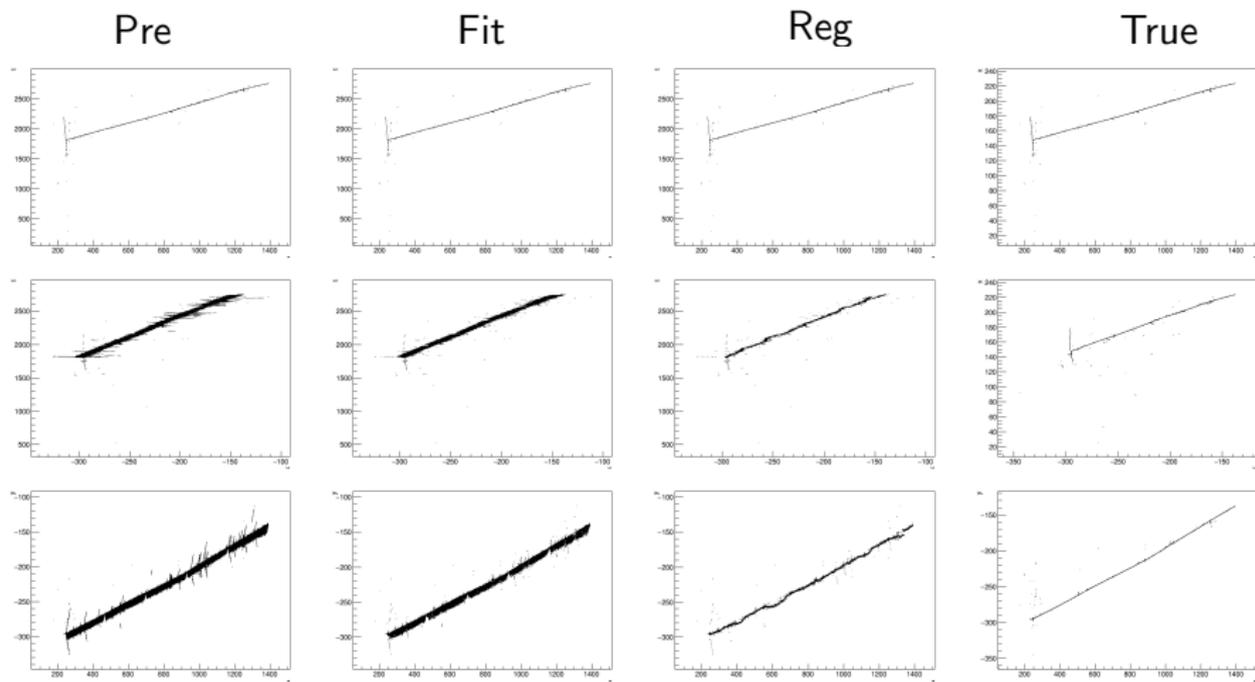




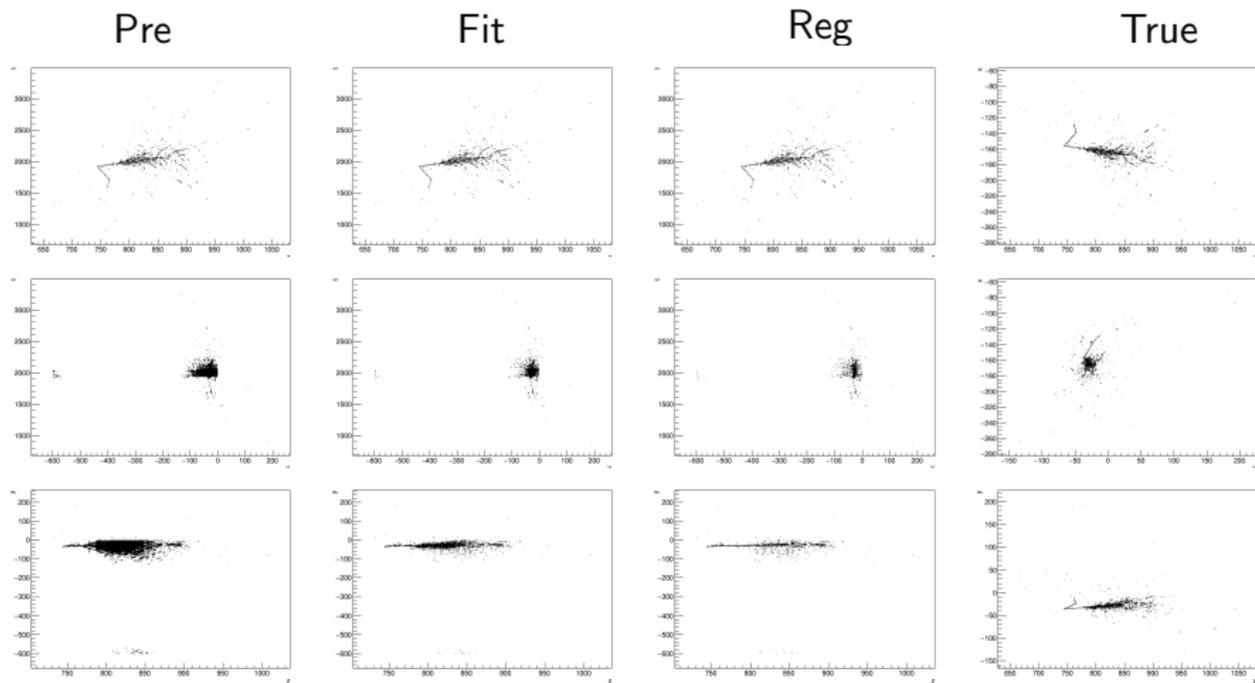


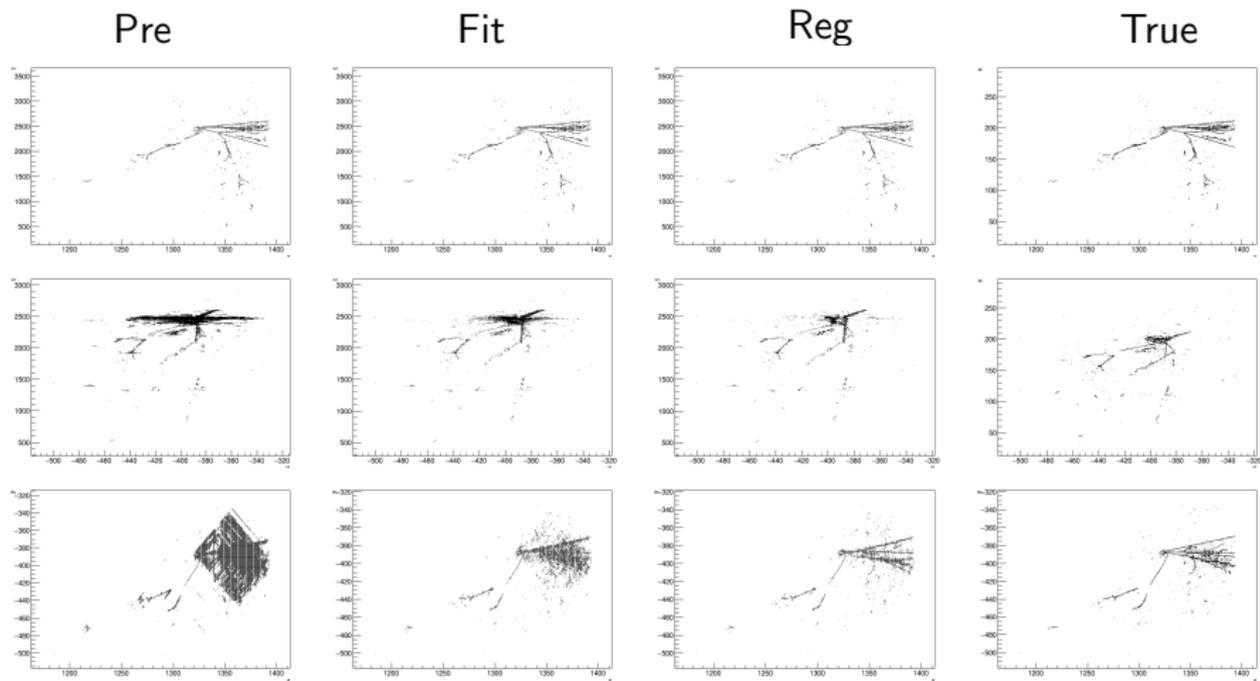


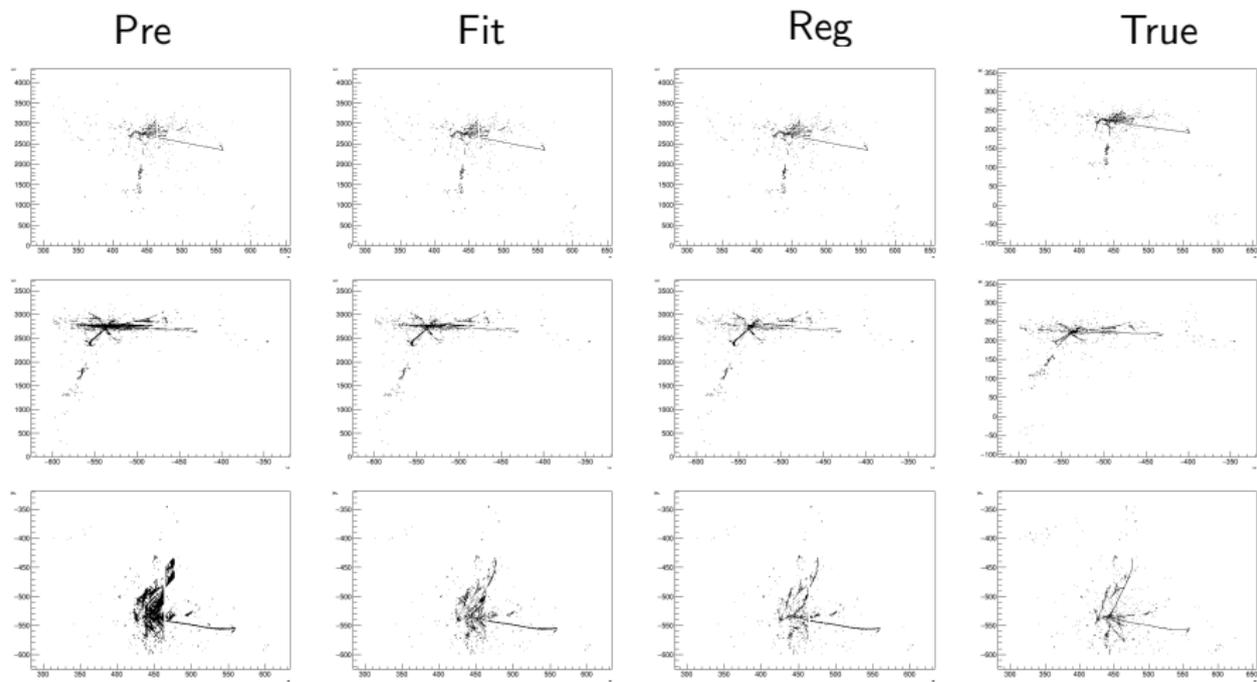


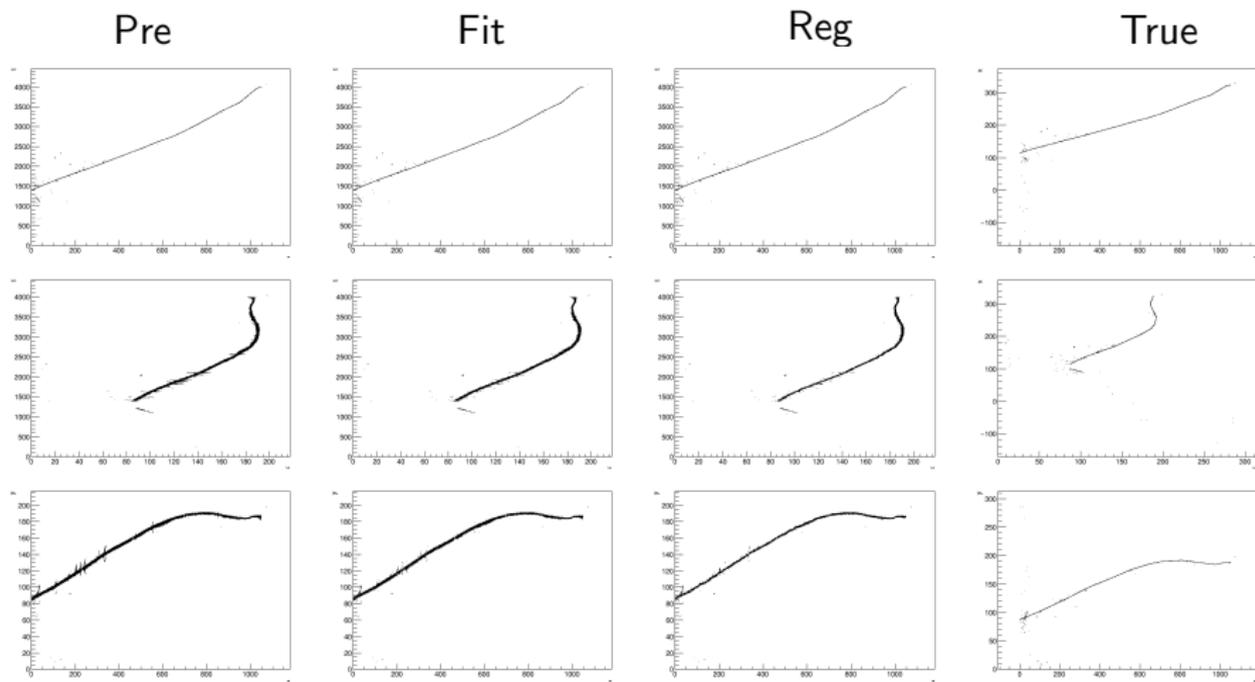


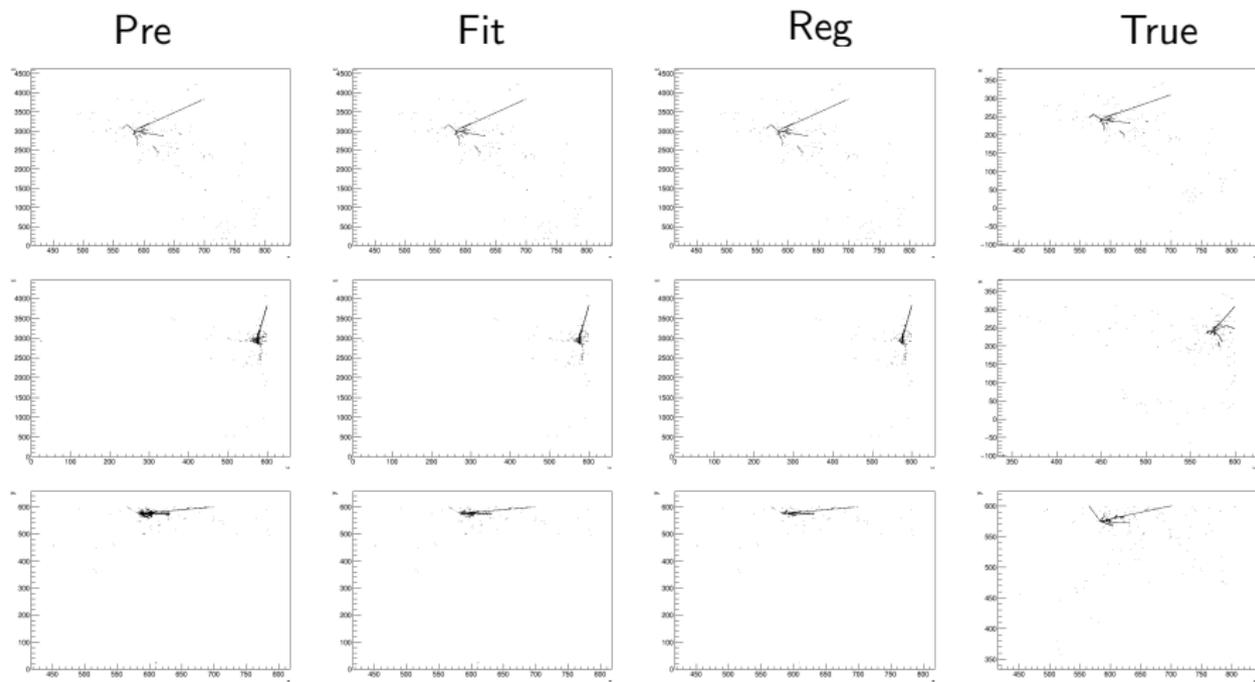
9327











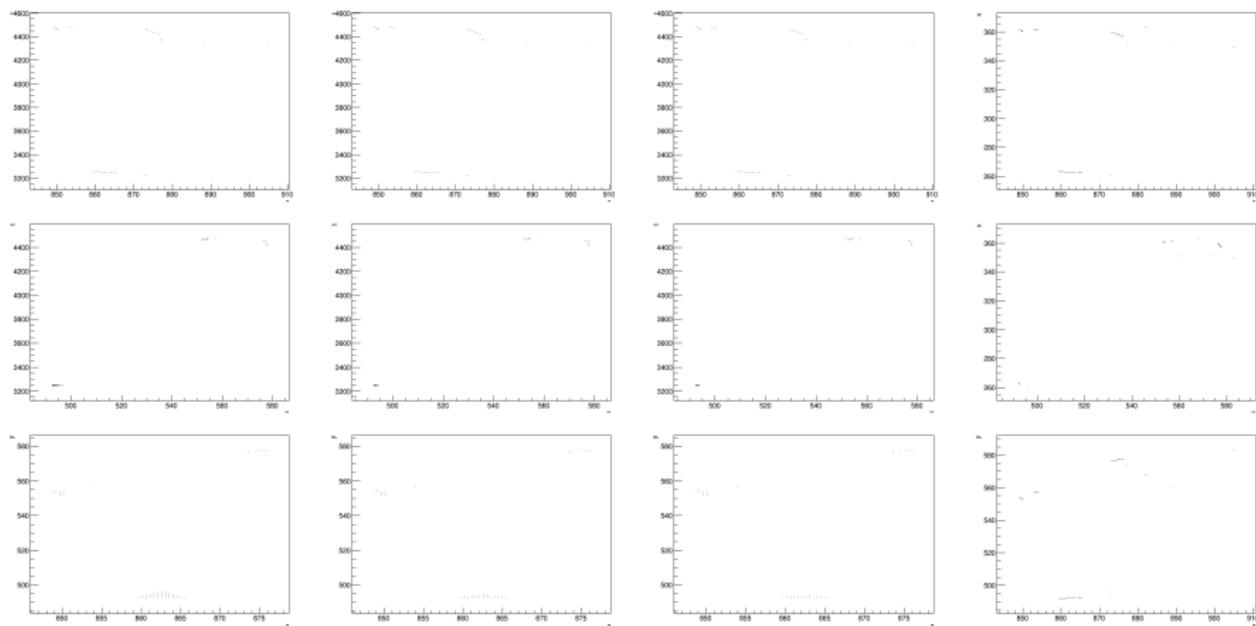
9333

Pre

Fit

Reg

True

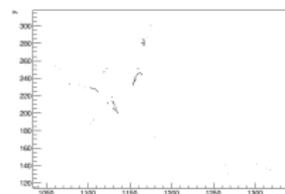
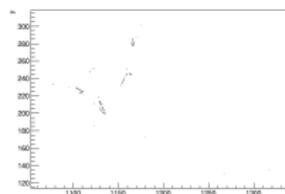
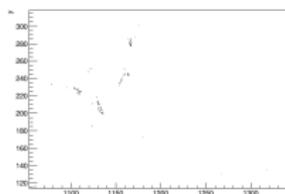
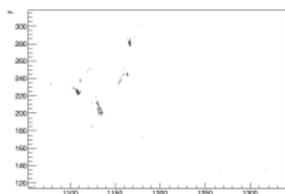
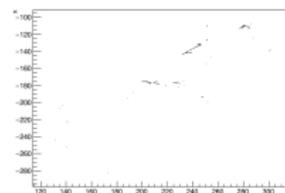
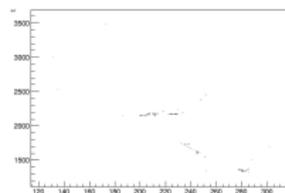
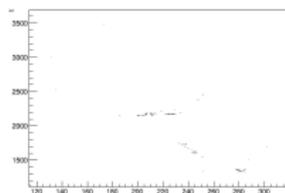
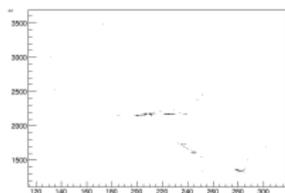
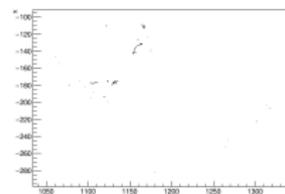
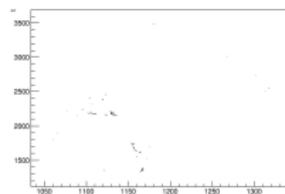
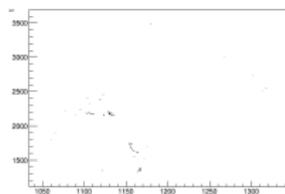
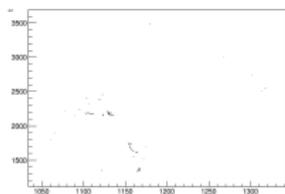


Pre

Fit

Reg

True

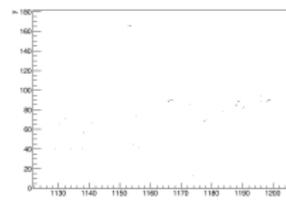
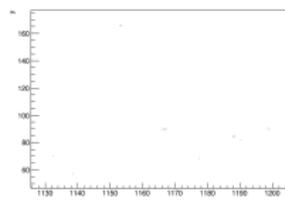
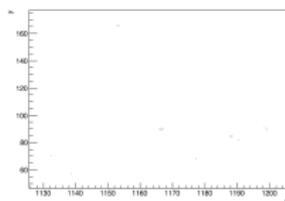
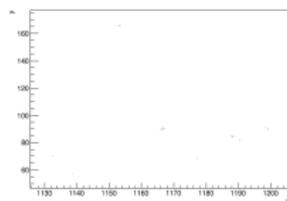
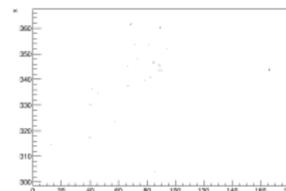
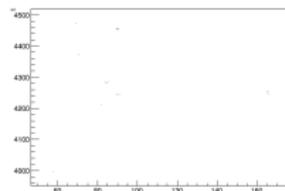
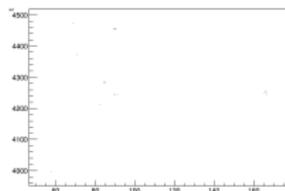
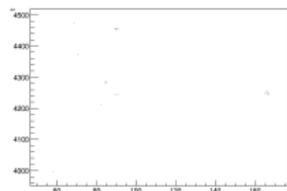
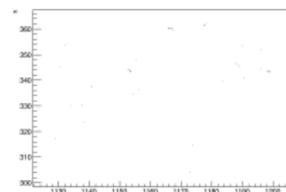
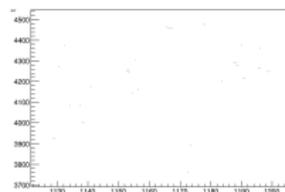
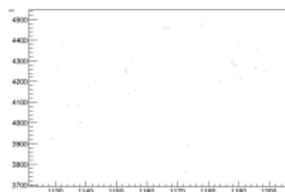
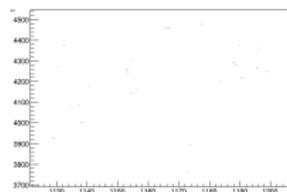


Pre

Fit

Reg

True



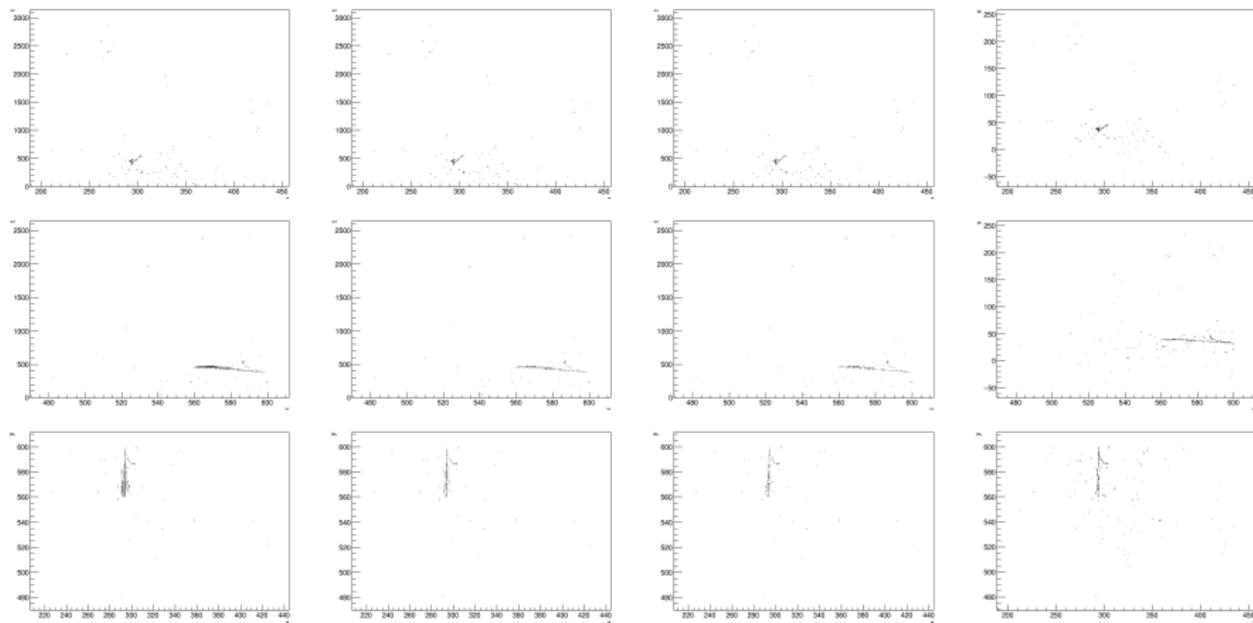
9336

Pre

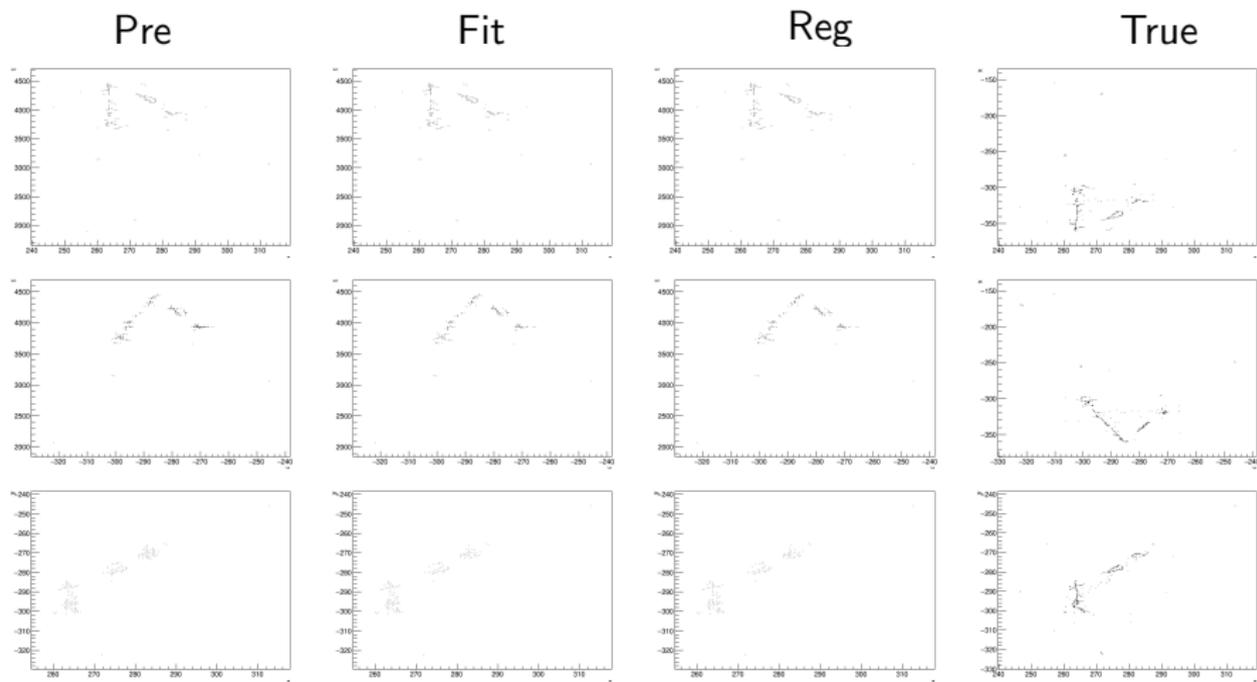
Fit

Reg

True



9337



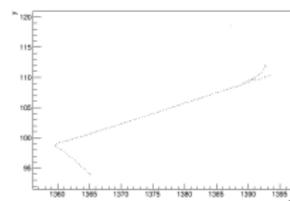
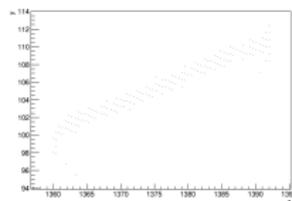
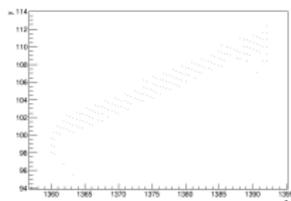
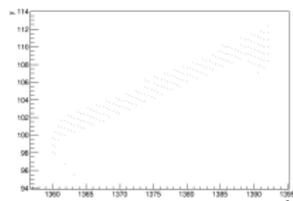
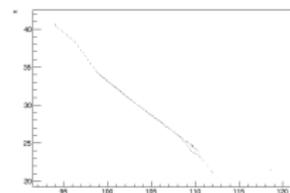
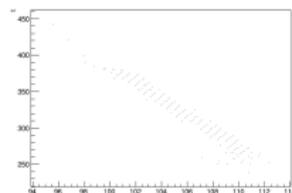
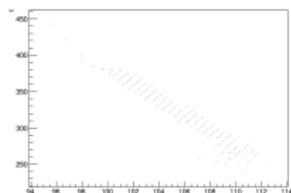
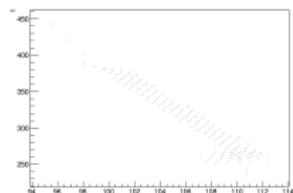
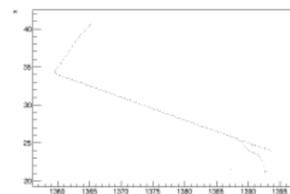
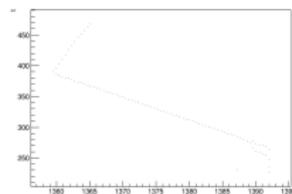
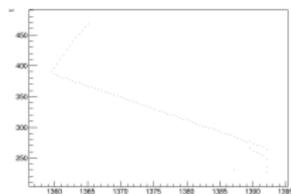
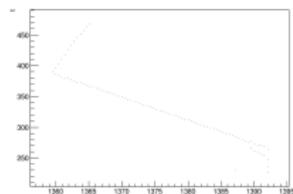
9338

Pre

Fit

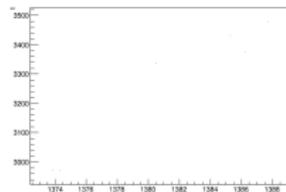
Reg

True

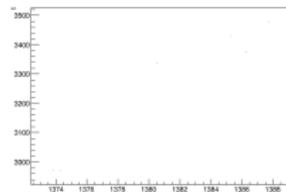


9339

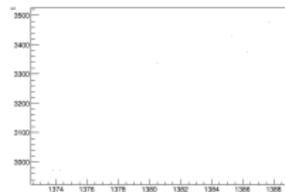
Pre



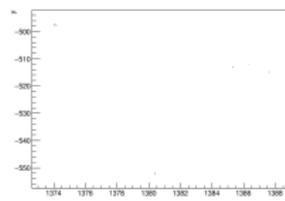
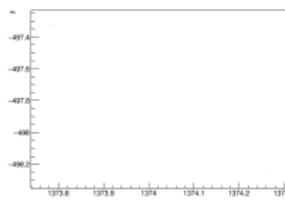
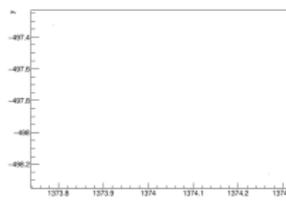
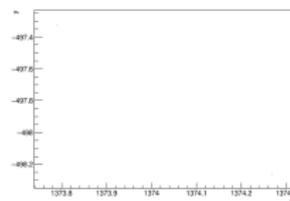
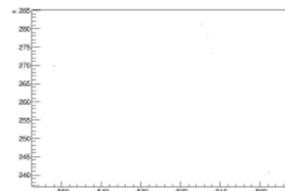
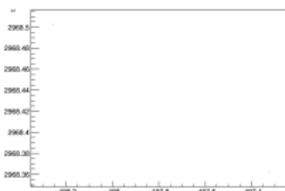
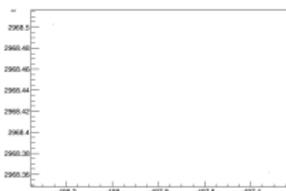
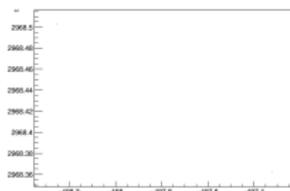
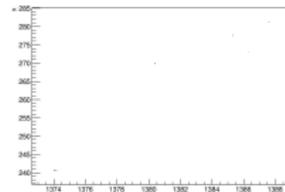
Fit



Reg



True

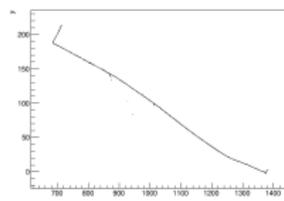
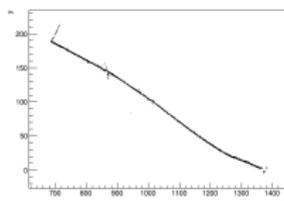
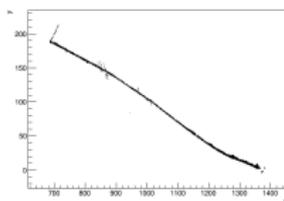
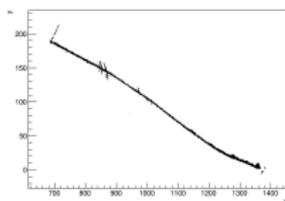
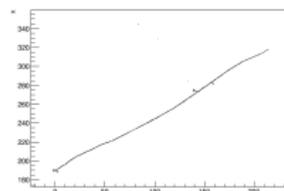
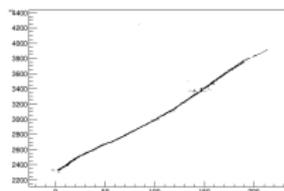
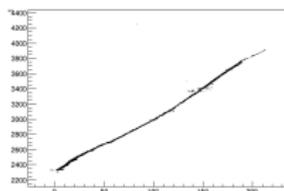
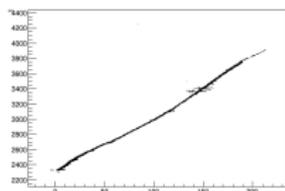
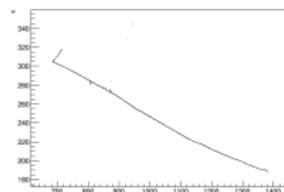
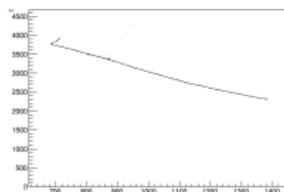
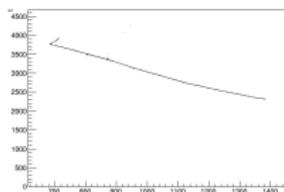
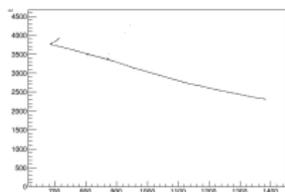


Pre

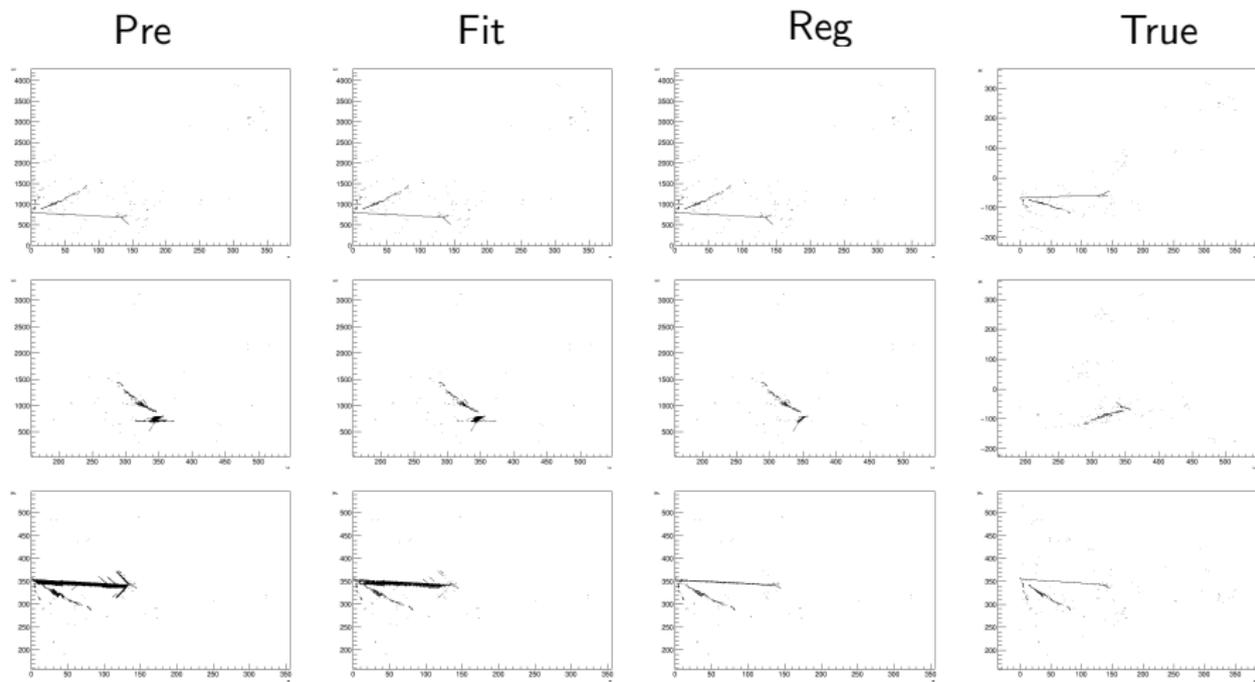
Fit

Reg

True



9344



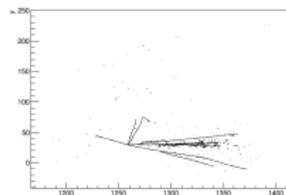
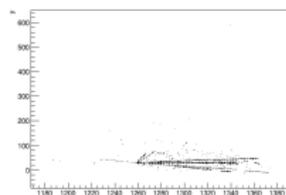
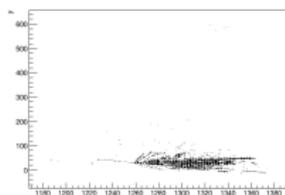
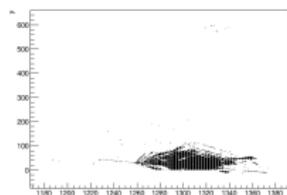
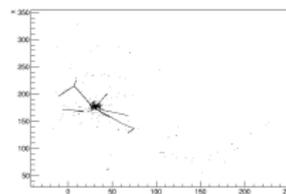
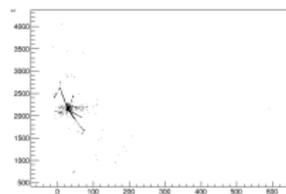
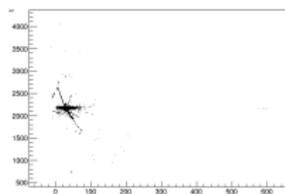
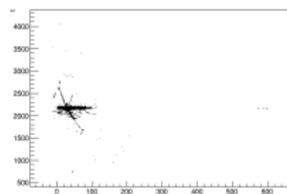
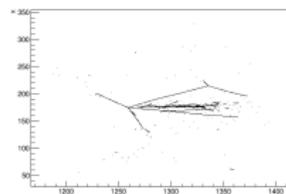
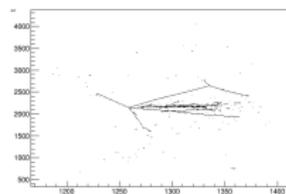
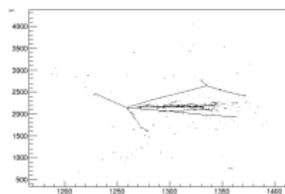
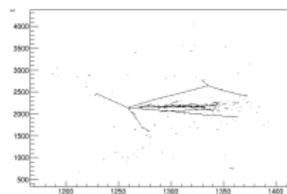
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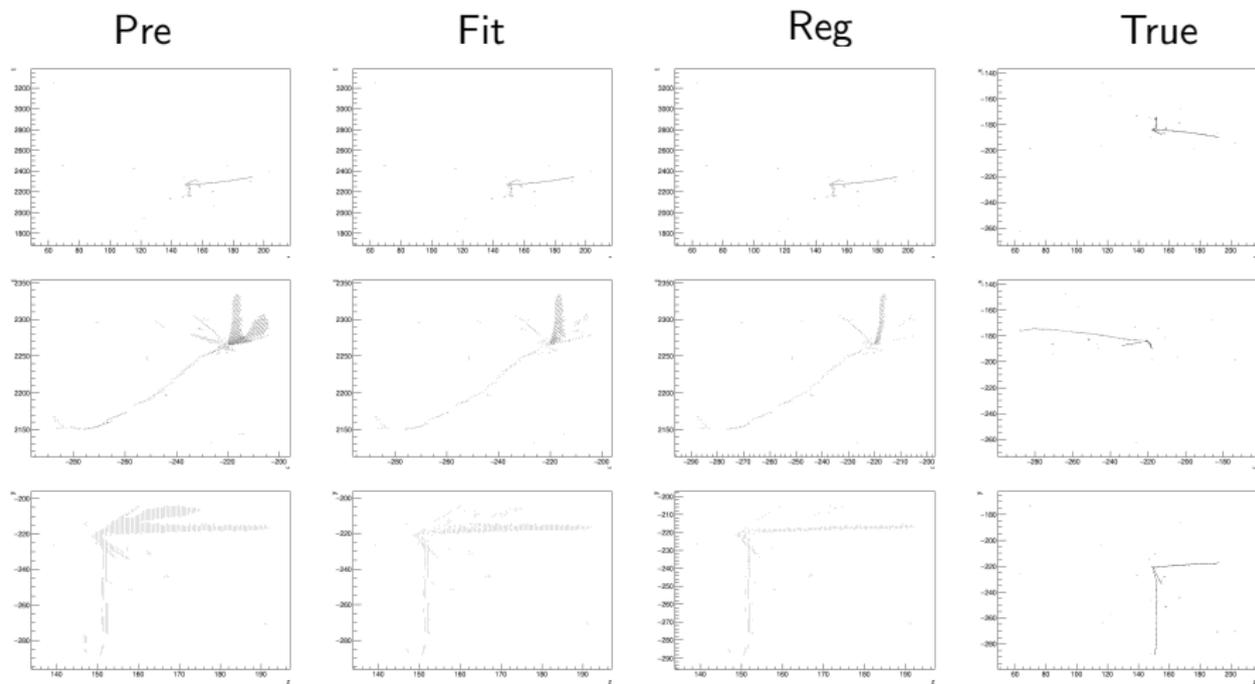
Pre

Fit

Reg

True





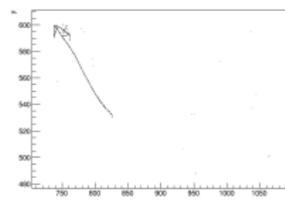
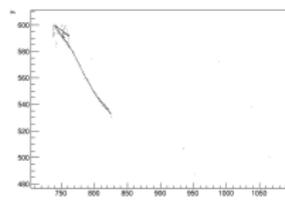
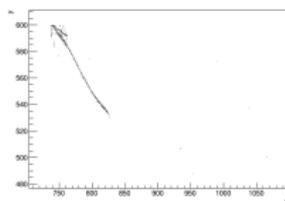
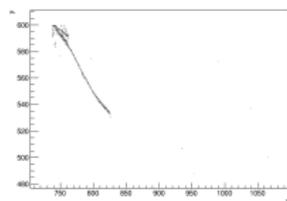
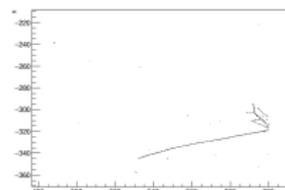
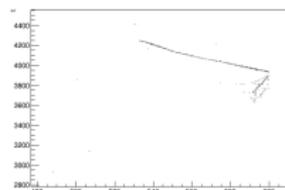
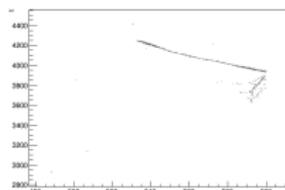
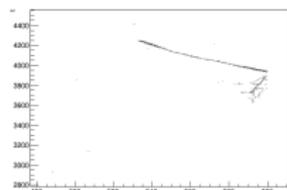
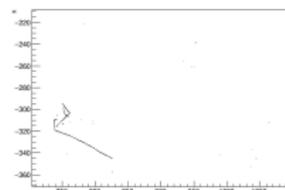
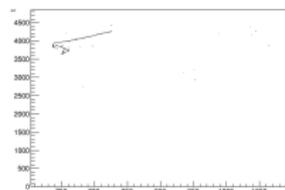
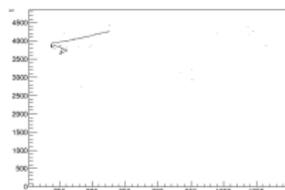
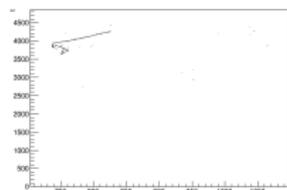
9347

Pre

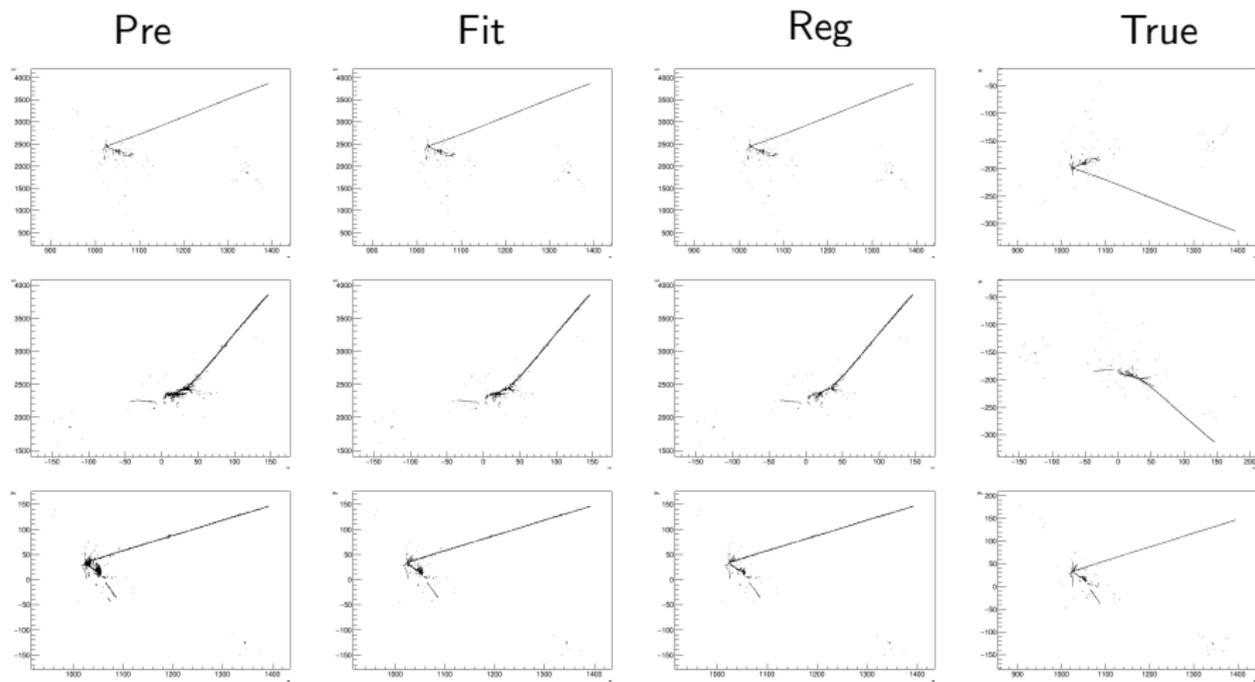
Fit

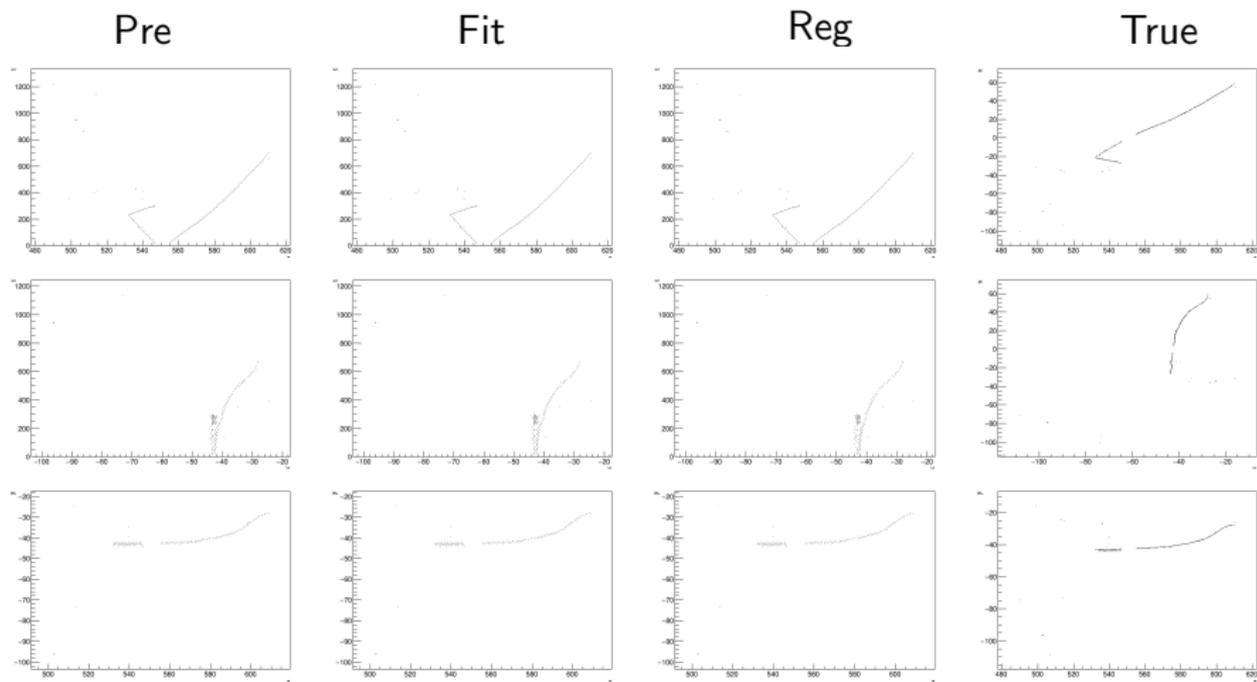
Reg

True



9348





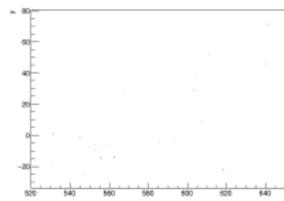
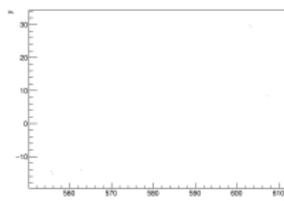
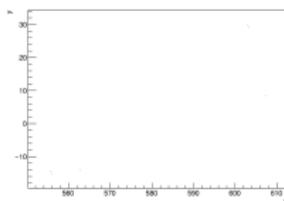
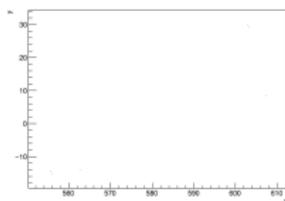
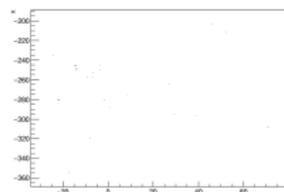
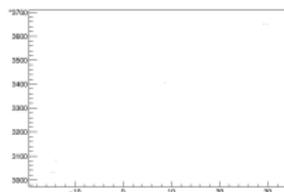
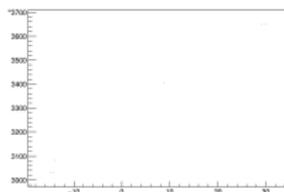
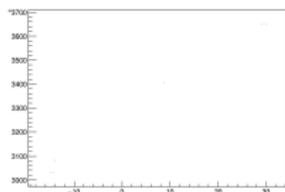
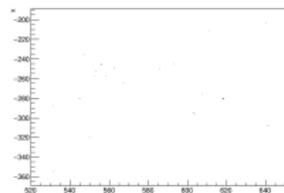
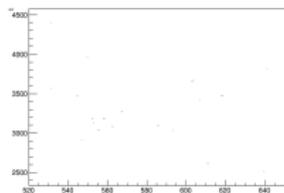
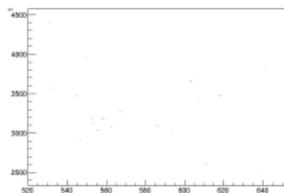
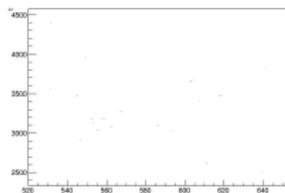
9350

Pre

Fit

Reg

True



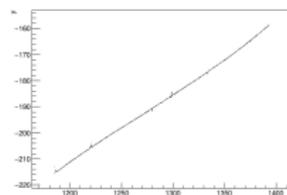
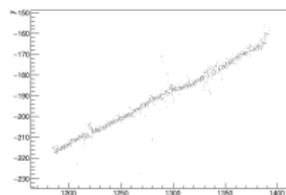
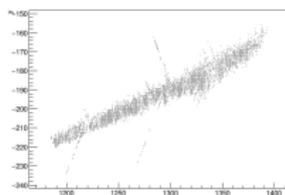
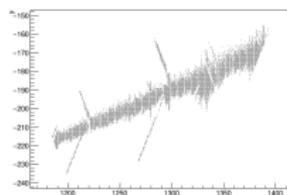
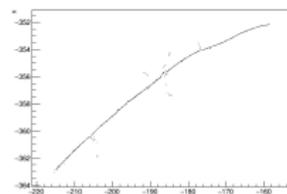
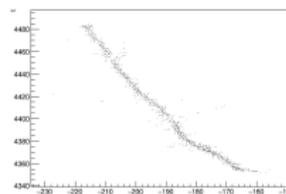
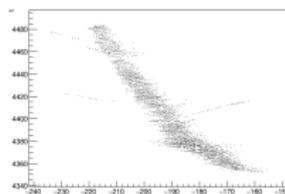
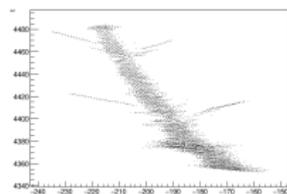
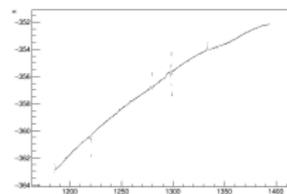
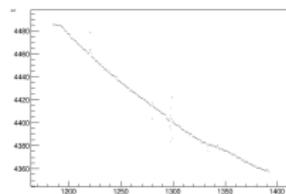
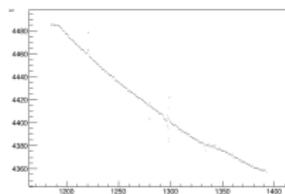
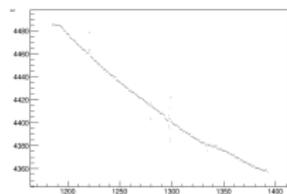
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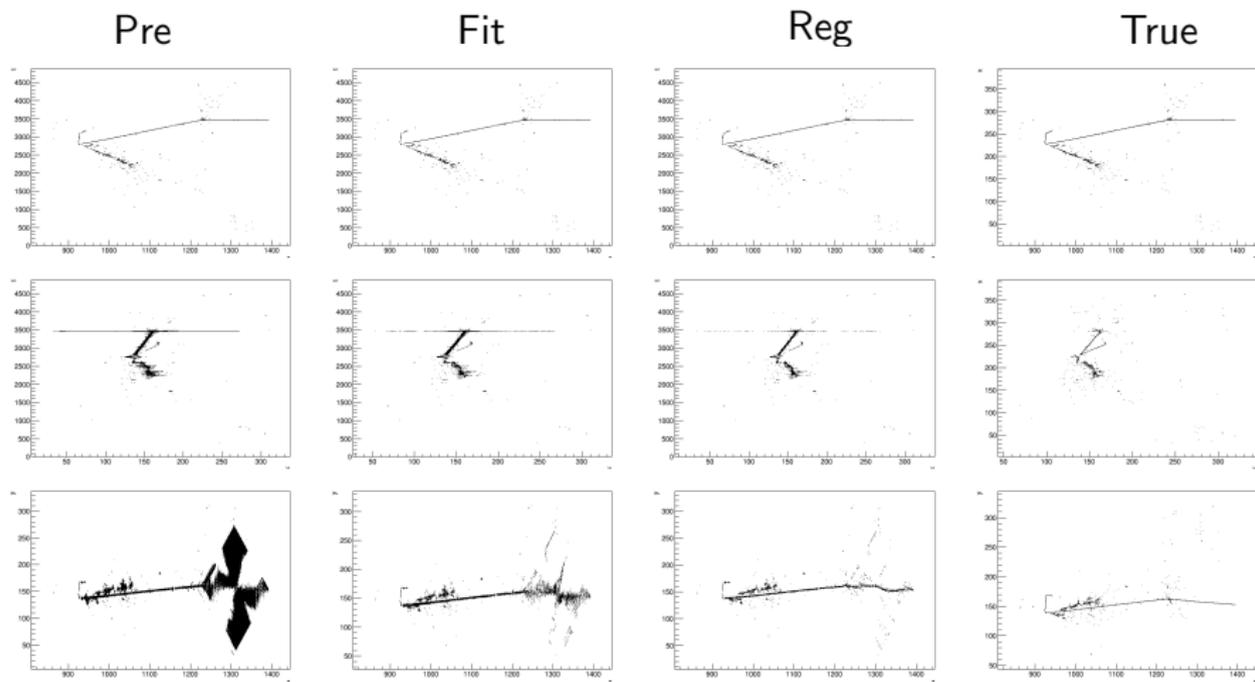
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Fit

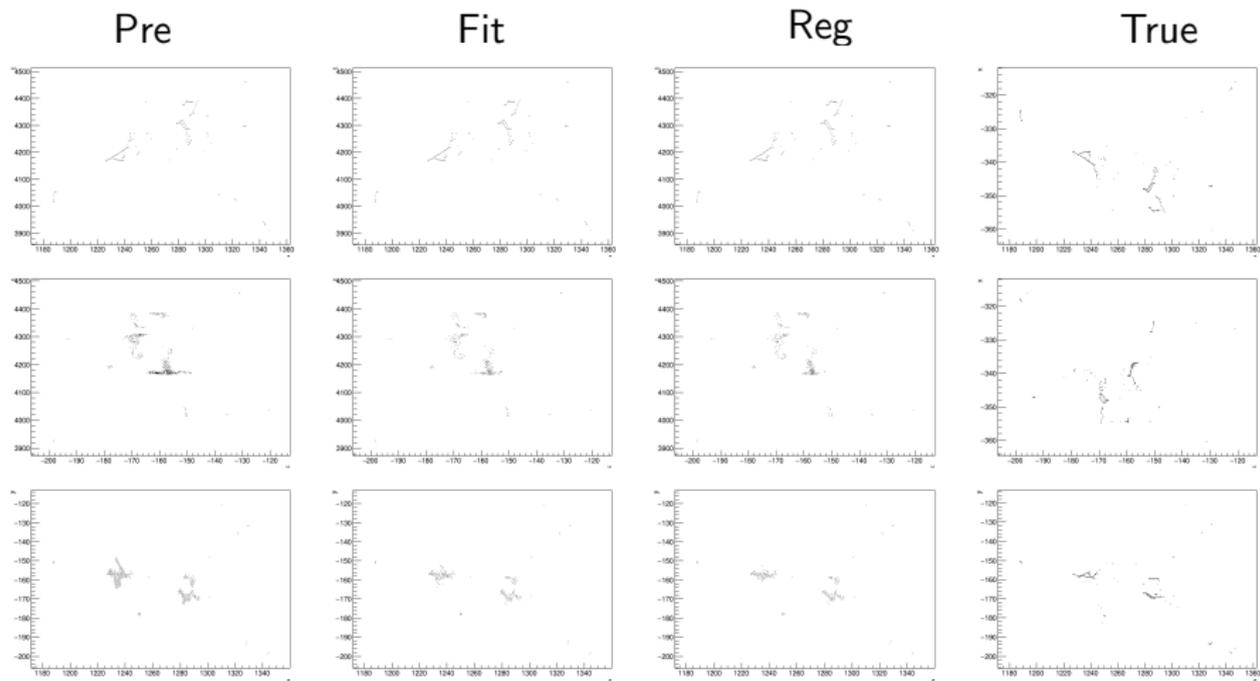
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9353

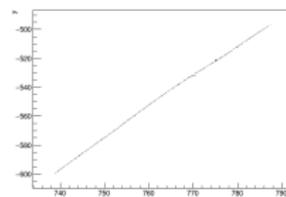
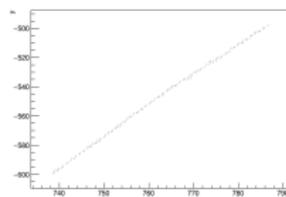
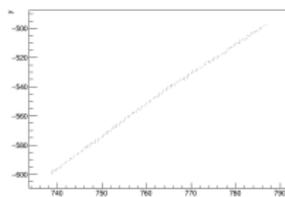
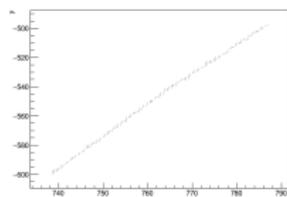
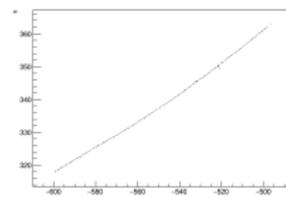
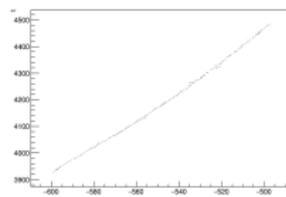
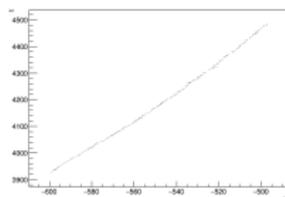
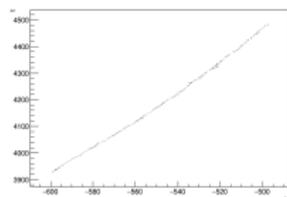
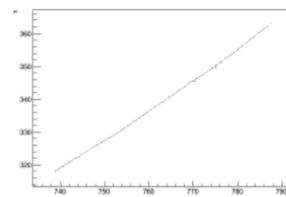
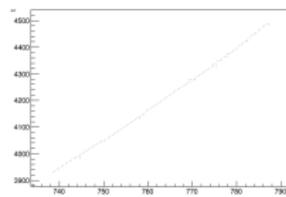
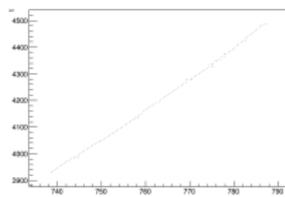
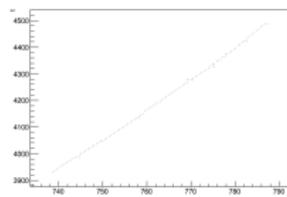


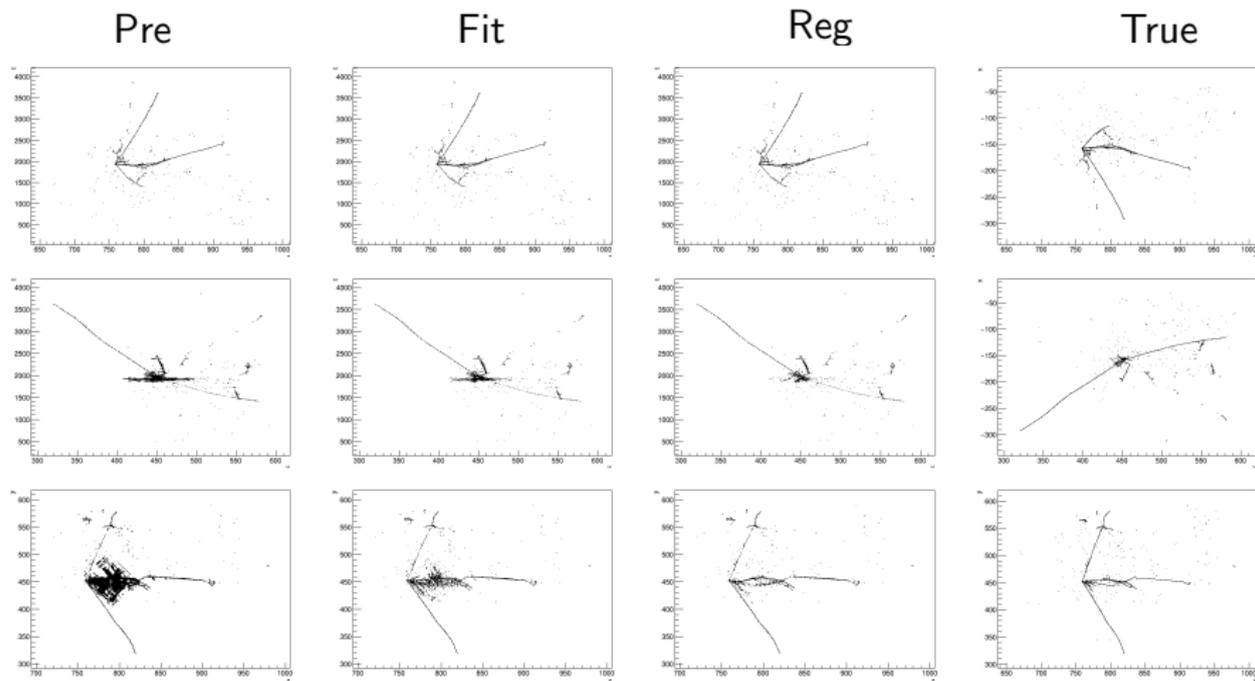
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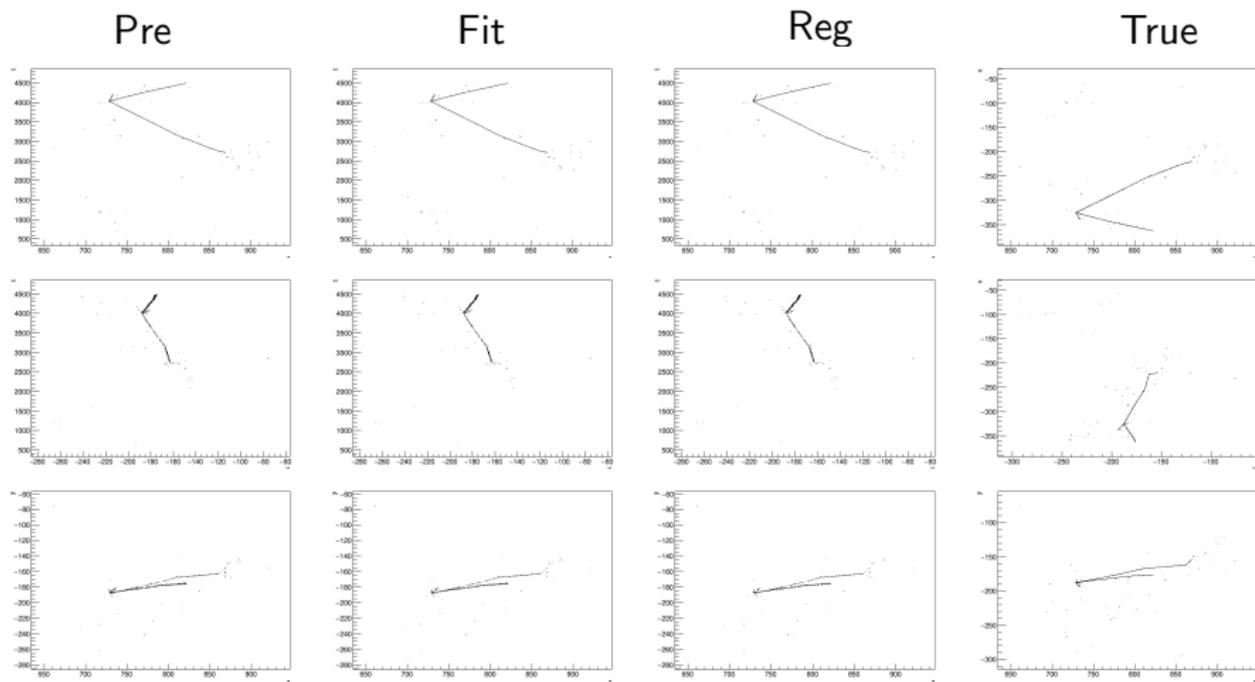
Fit

Reg

True







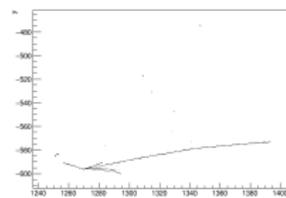
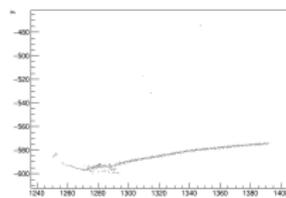
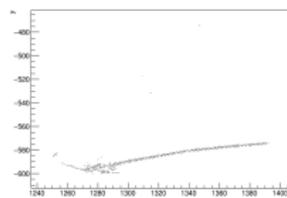
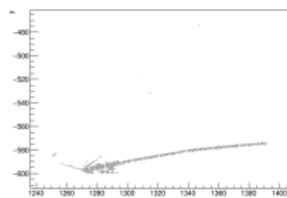
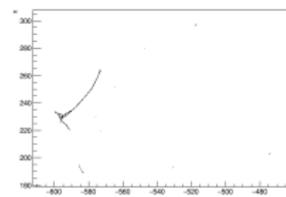
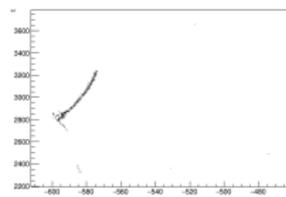
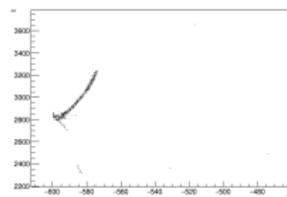
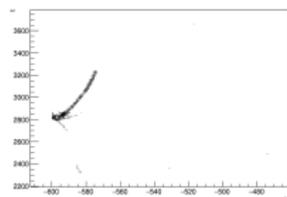
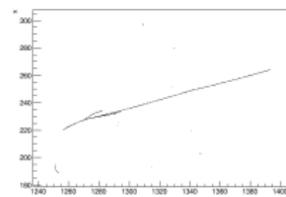
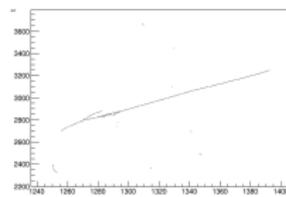
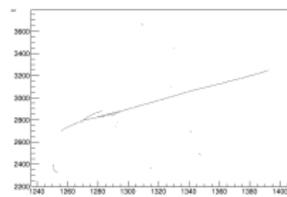
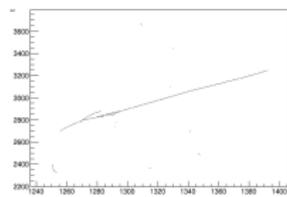
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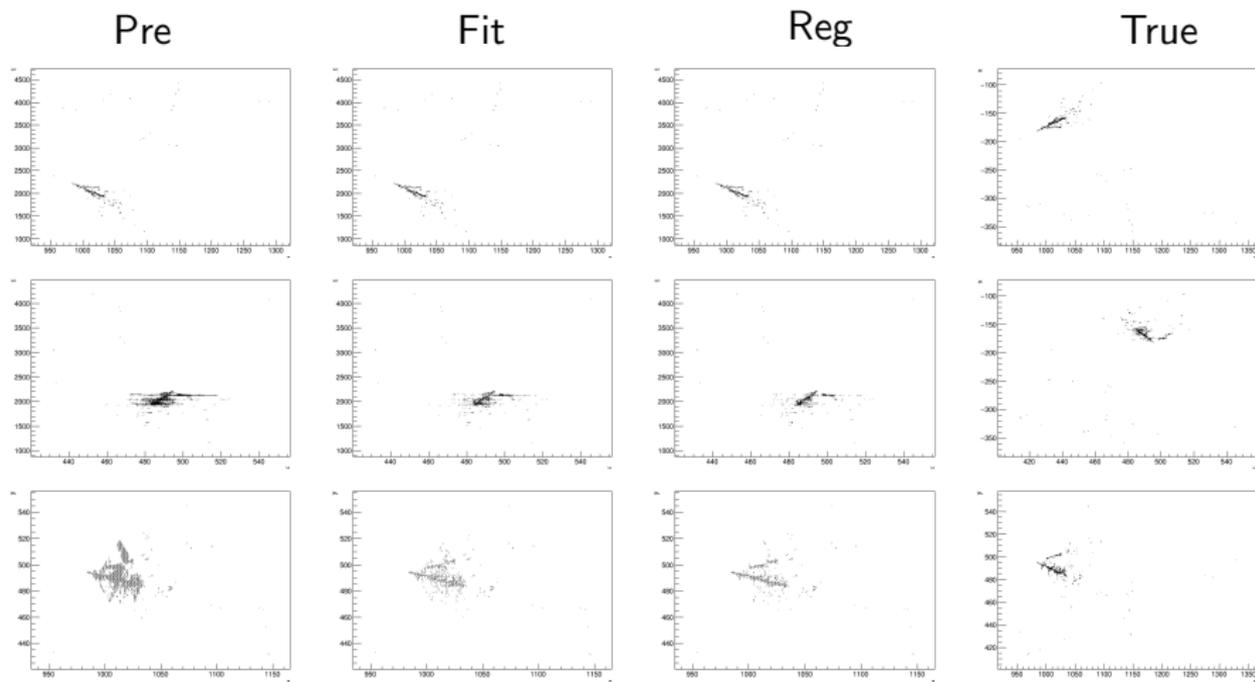
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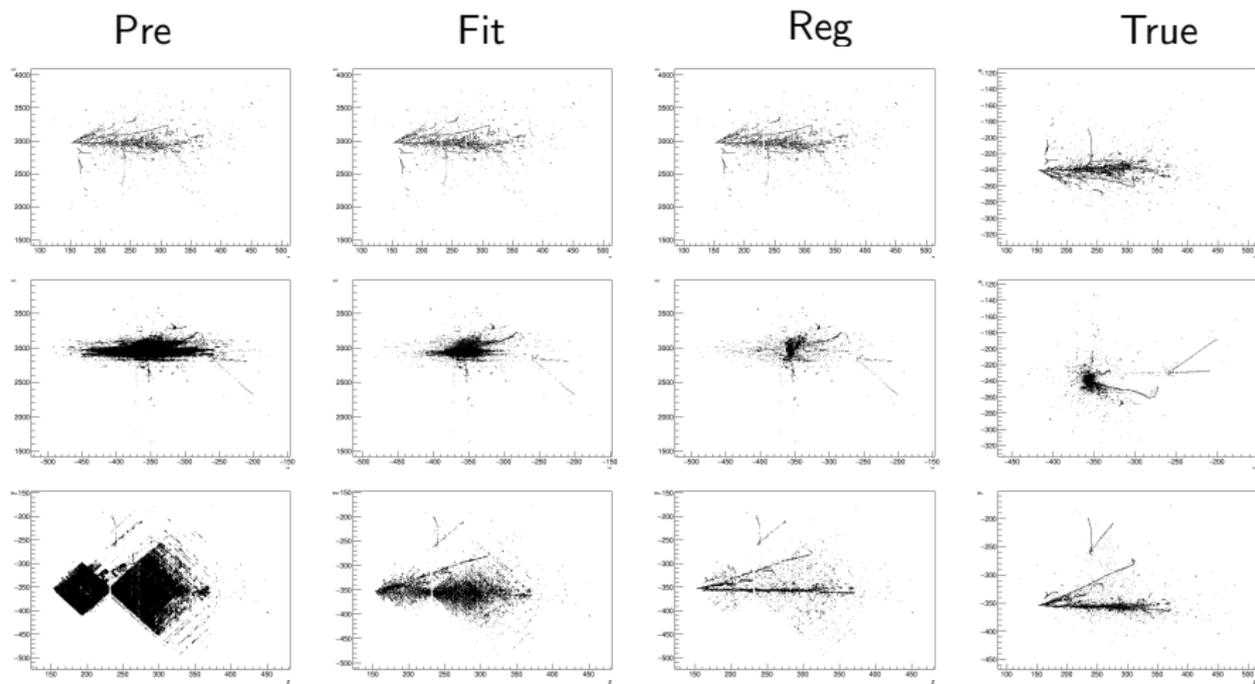
Fit

Reg

True







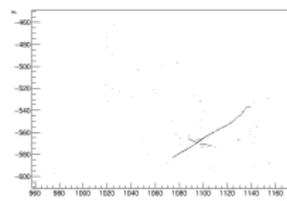
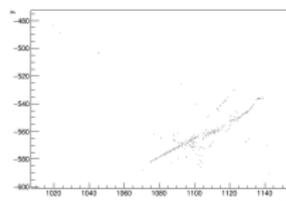
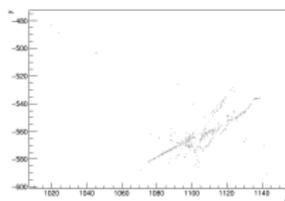
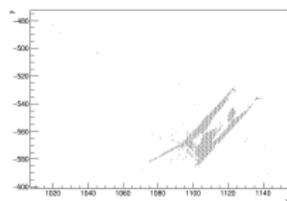
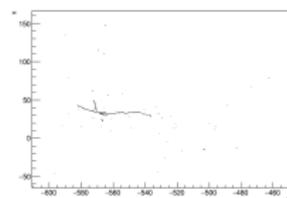
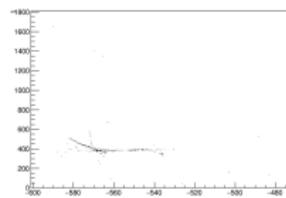
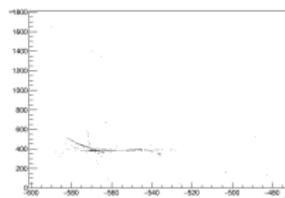
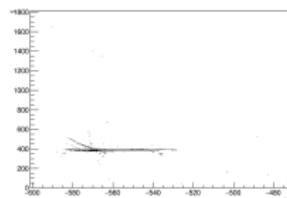
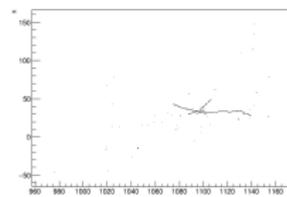
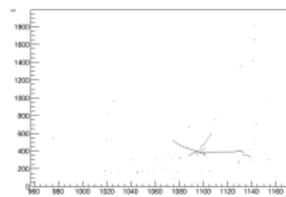
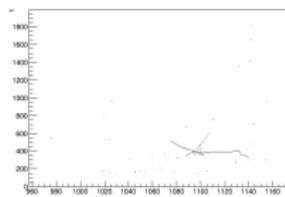
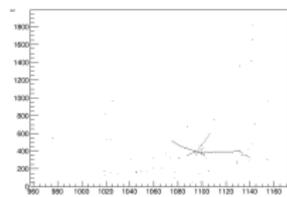
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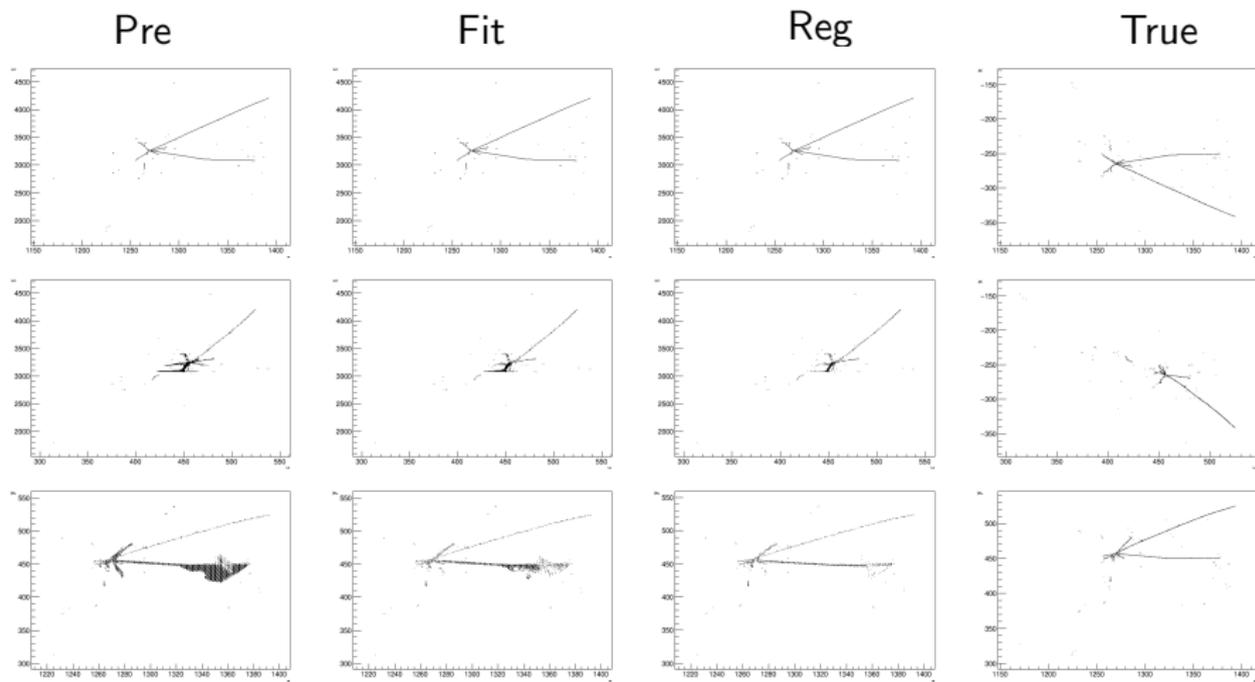
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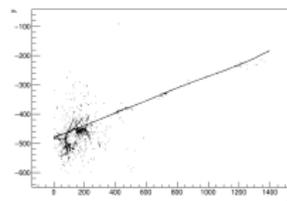
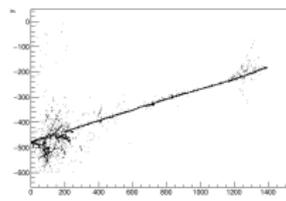
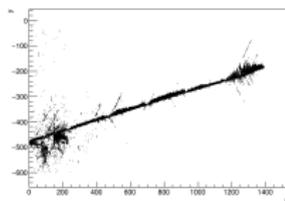
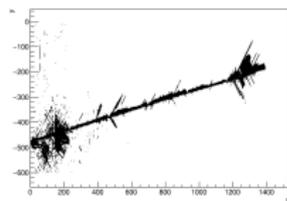
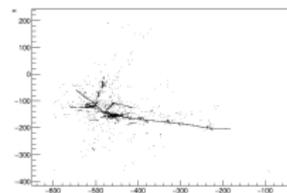
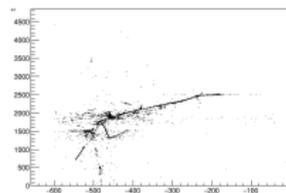
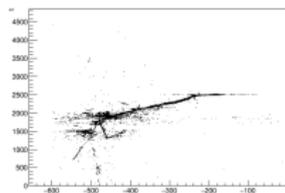
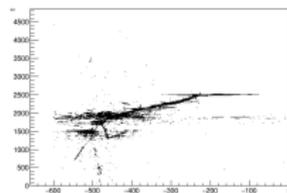
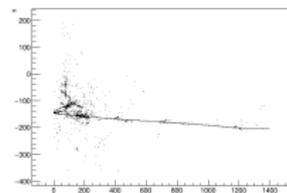
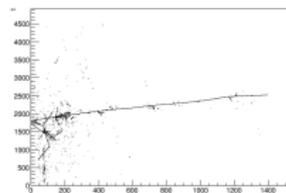
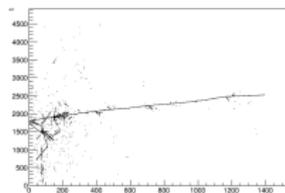
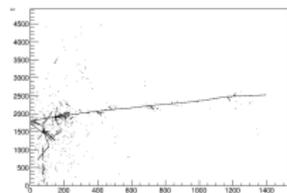


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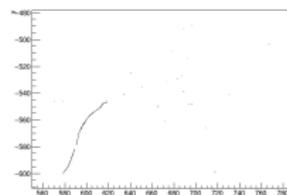
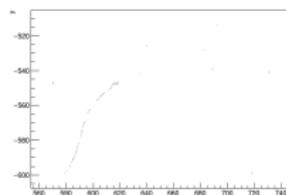
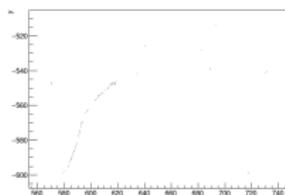
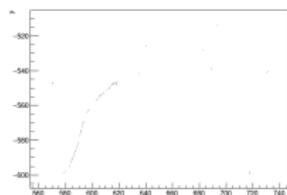
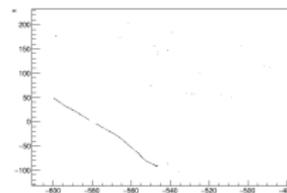
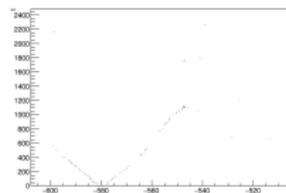
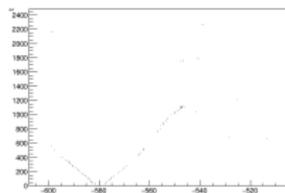
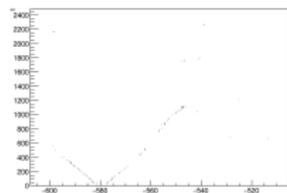
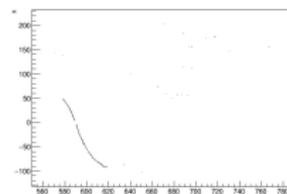
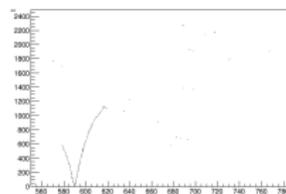
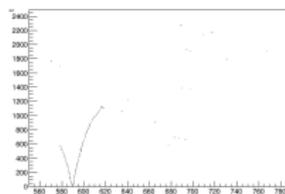
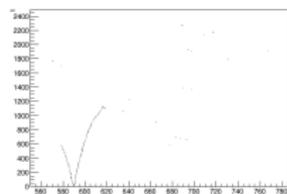


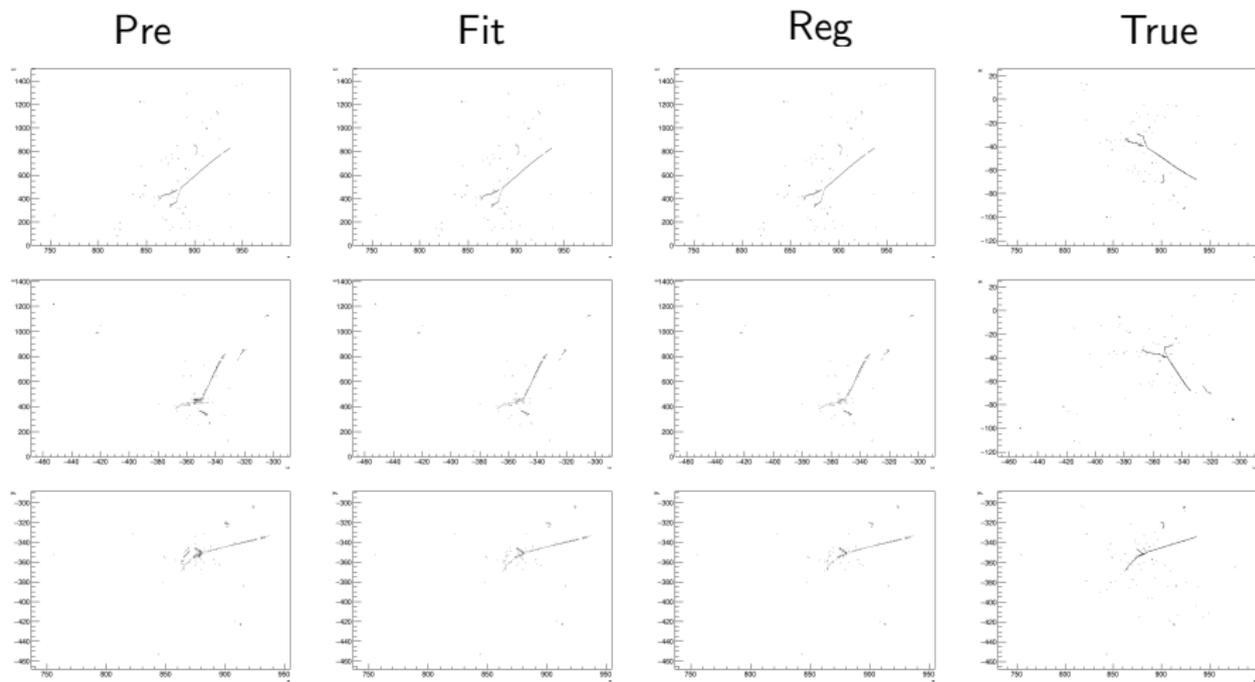
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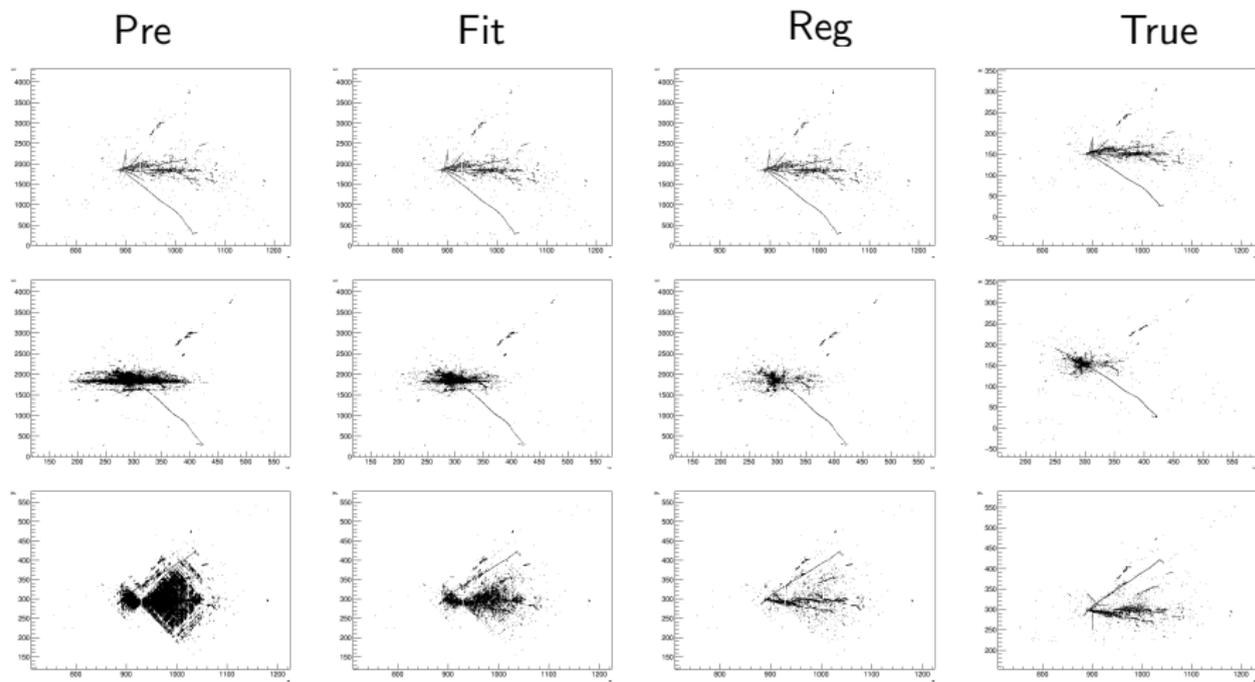
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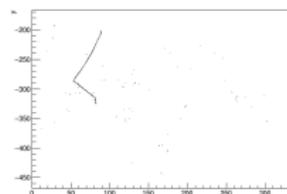
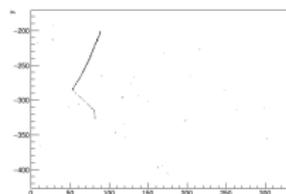
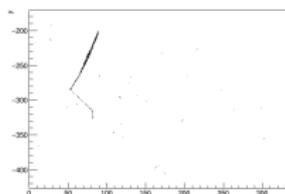
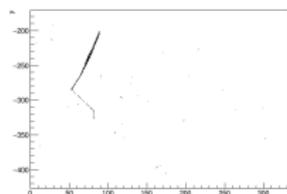
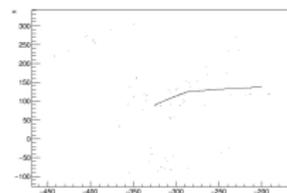
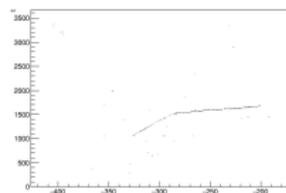
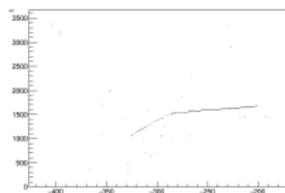
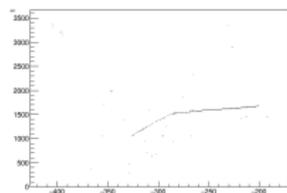
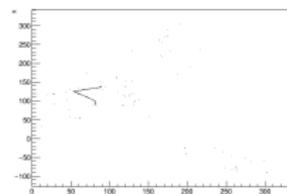
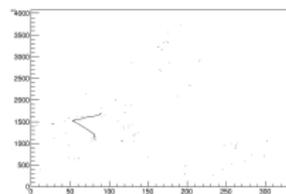
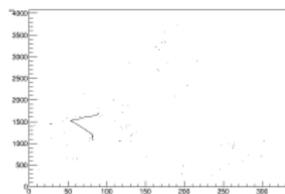
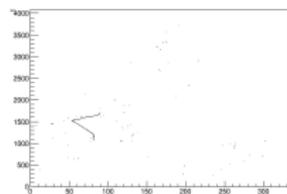


Pre

Fit

Reg

True



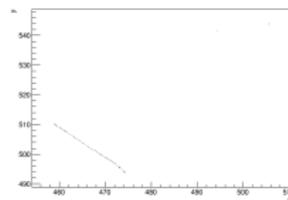
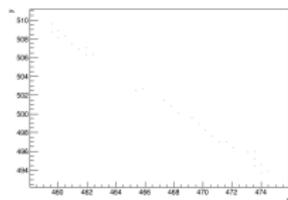
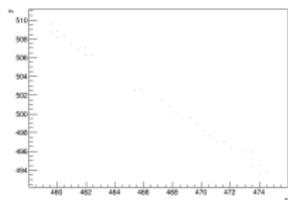
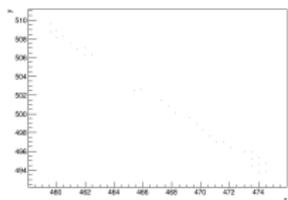
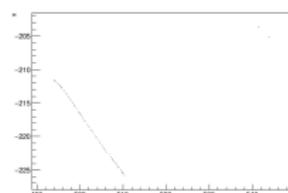
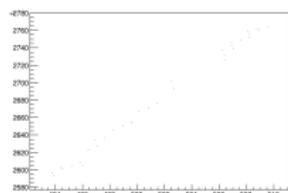
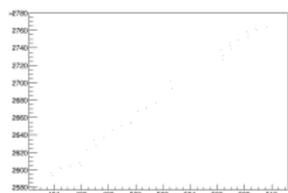
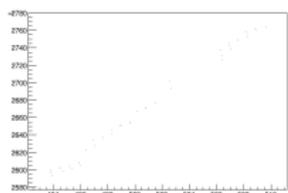
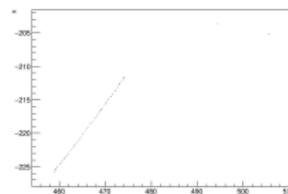
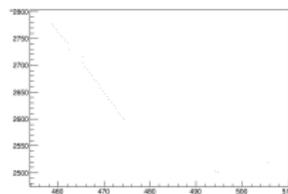
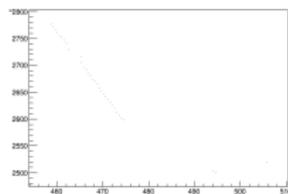
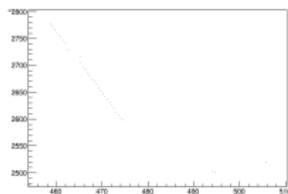
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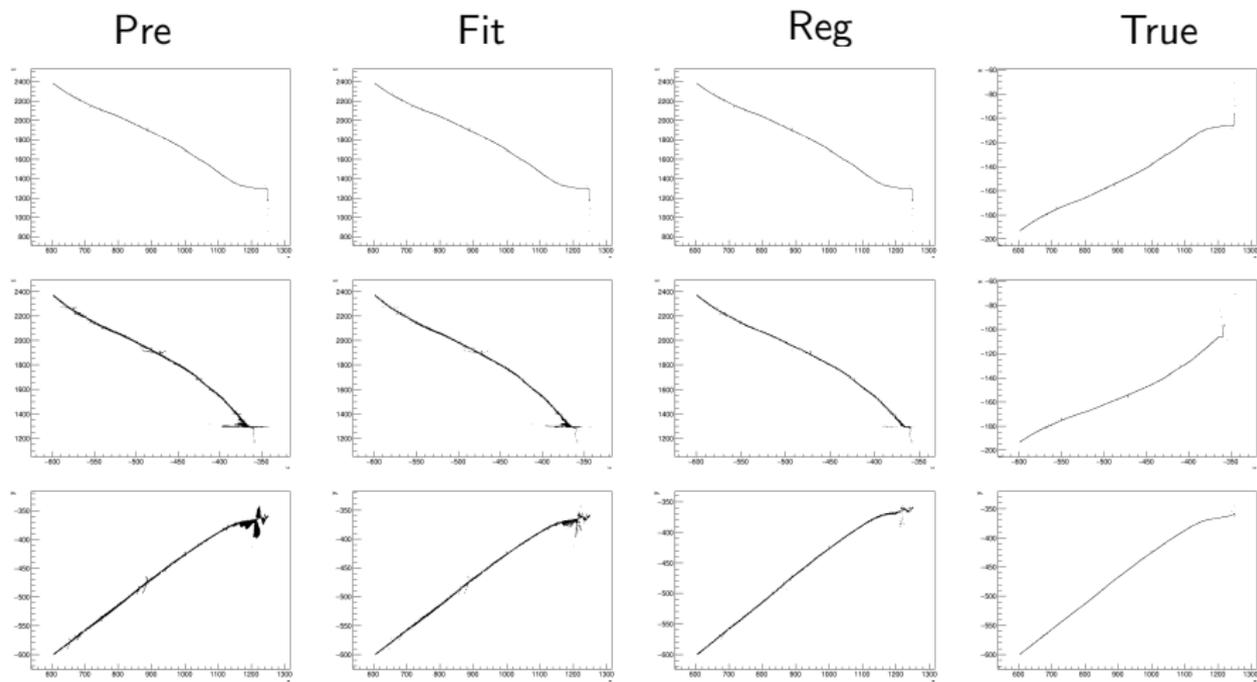
Pre

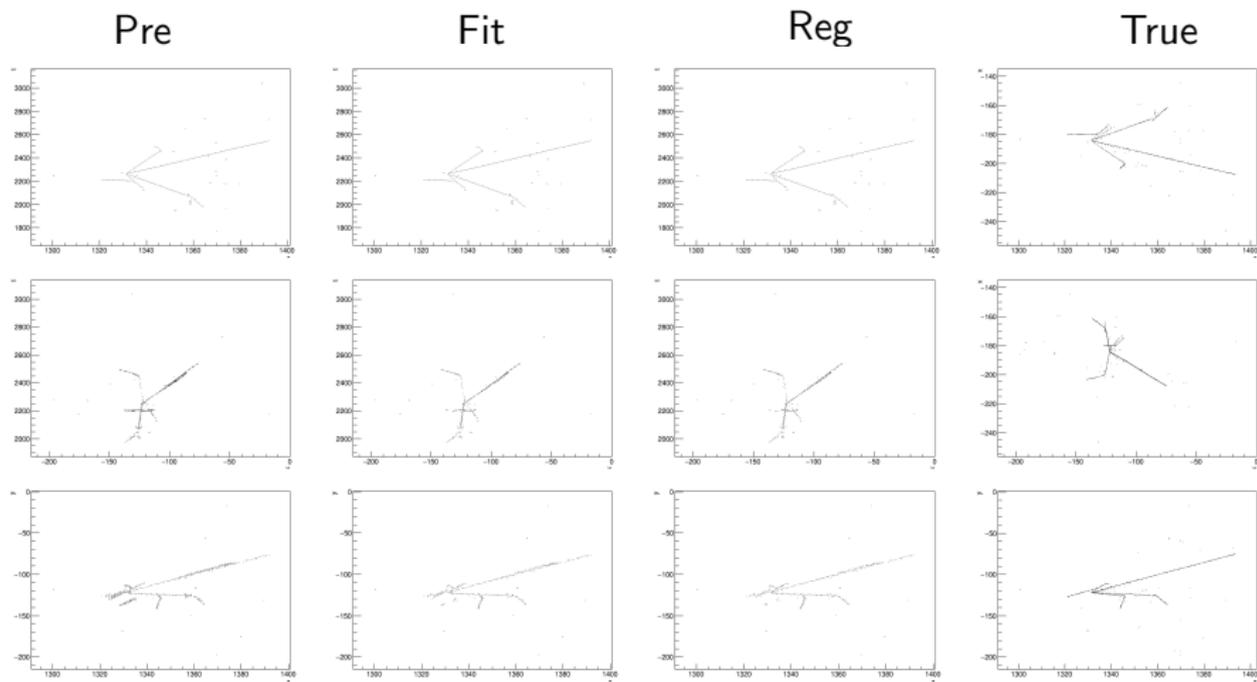
Fit

Reg

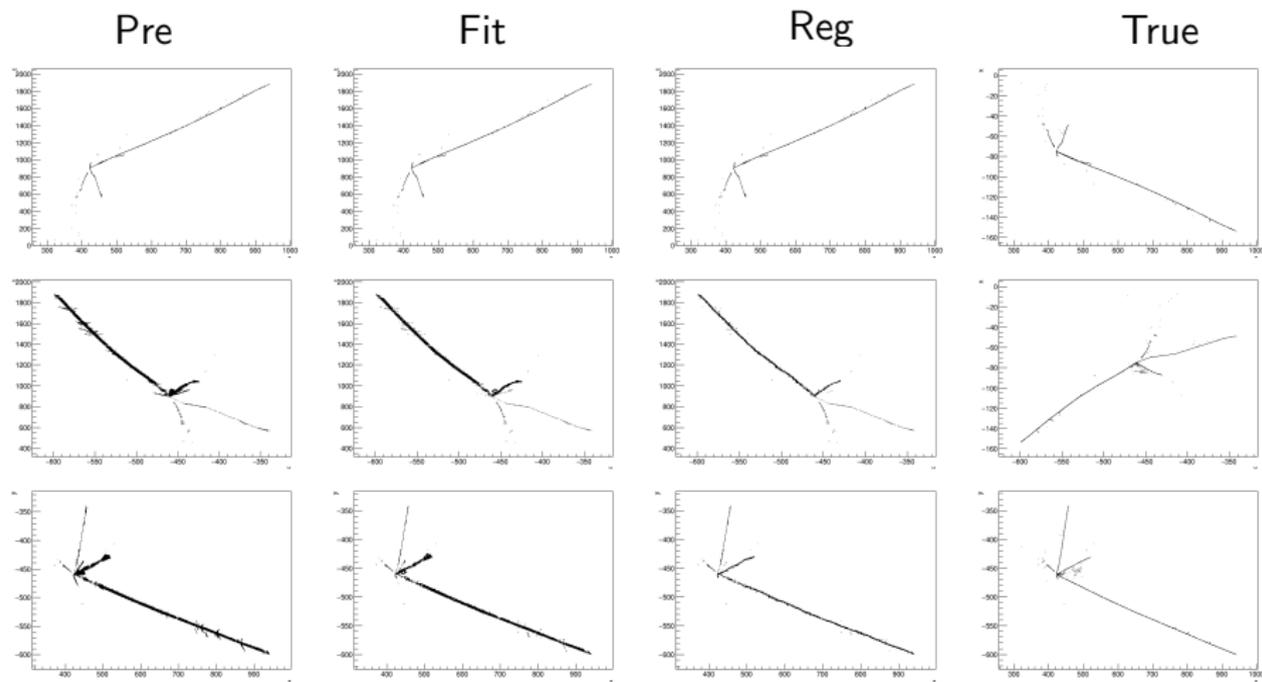
True







9370



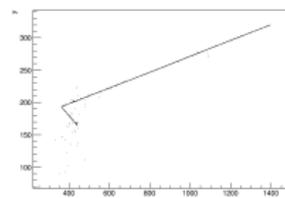
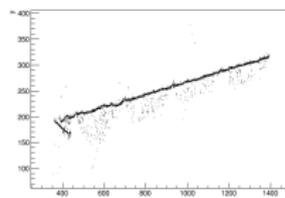
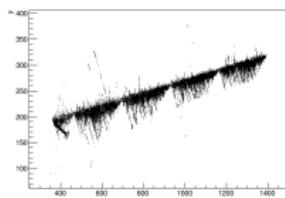
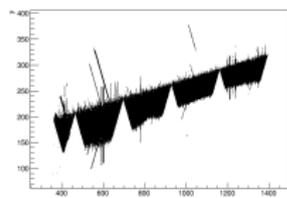
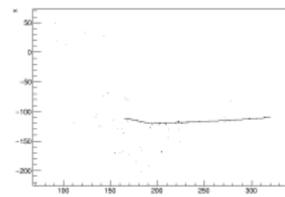
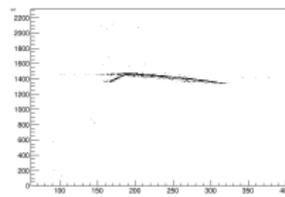
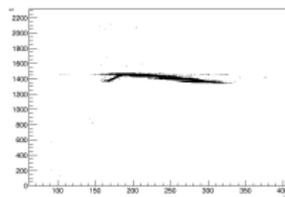
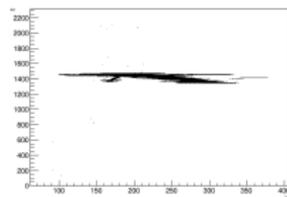
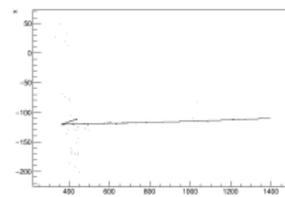
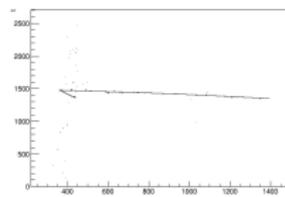
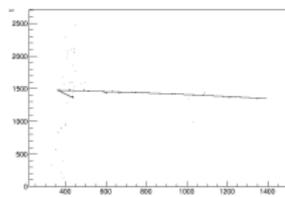
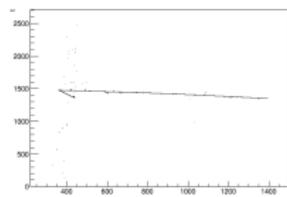
9372

Pre

Fit

Reg

True



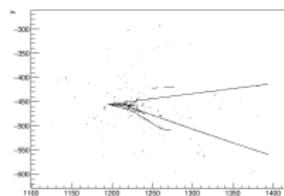
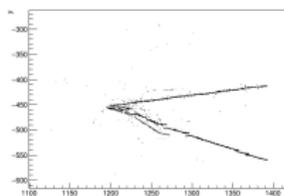
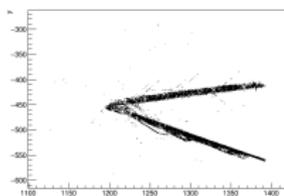
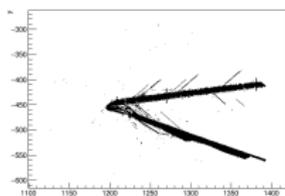
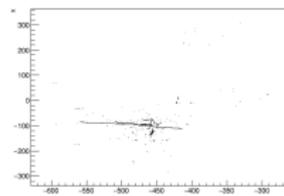
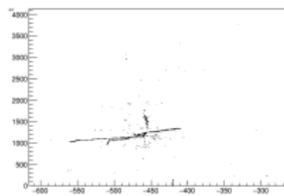
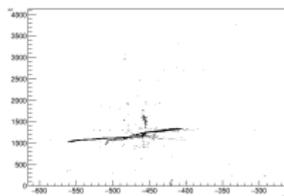
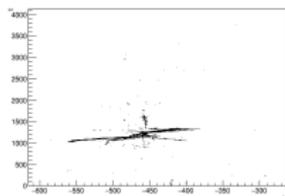
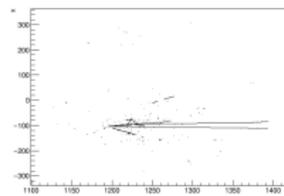
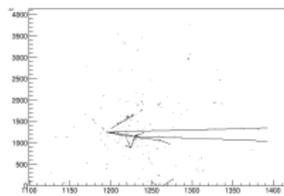
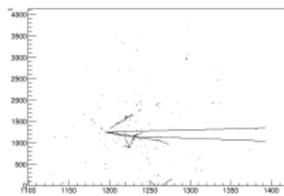
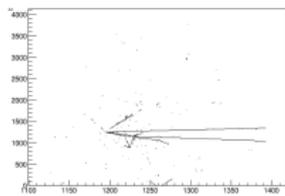
9375

Pre

Fit

Reg

True



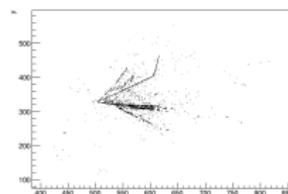
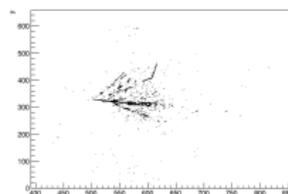
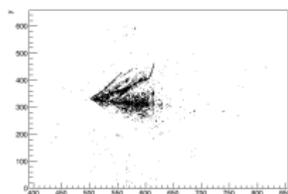
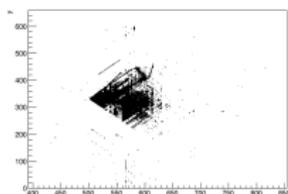
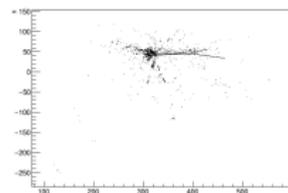
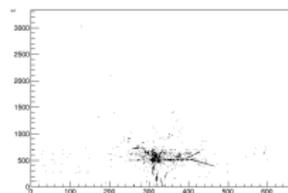
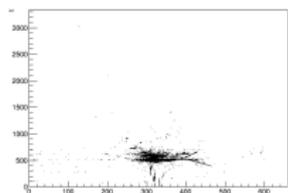
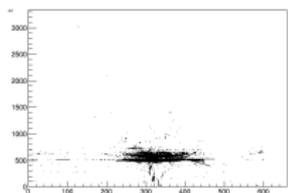
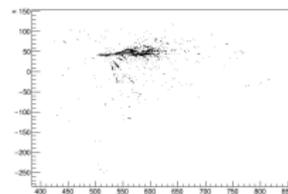
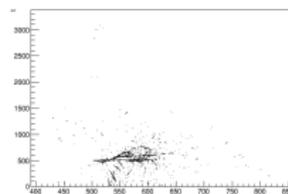
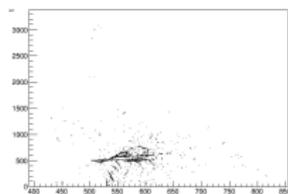
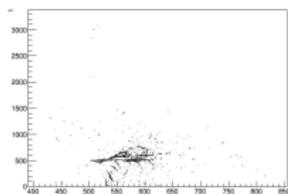
9377

Pre

Fit

Reg

True



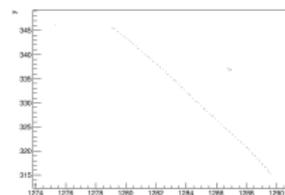
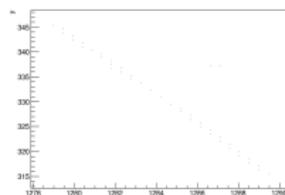
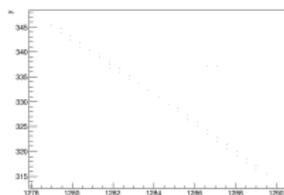
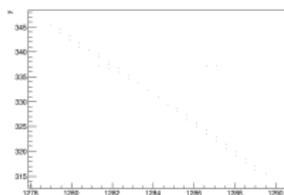
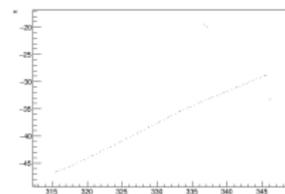
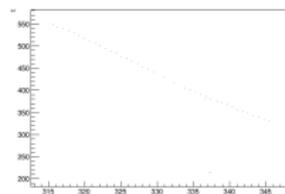
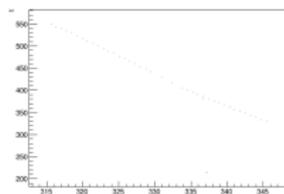
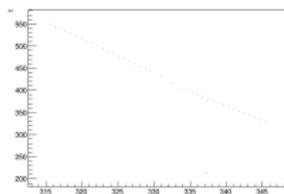
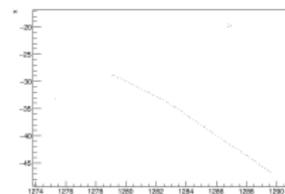
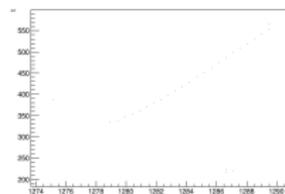
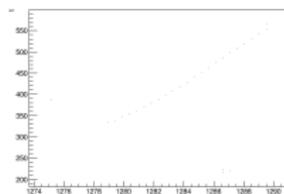
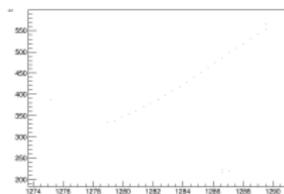
9378

Pre

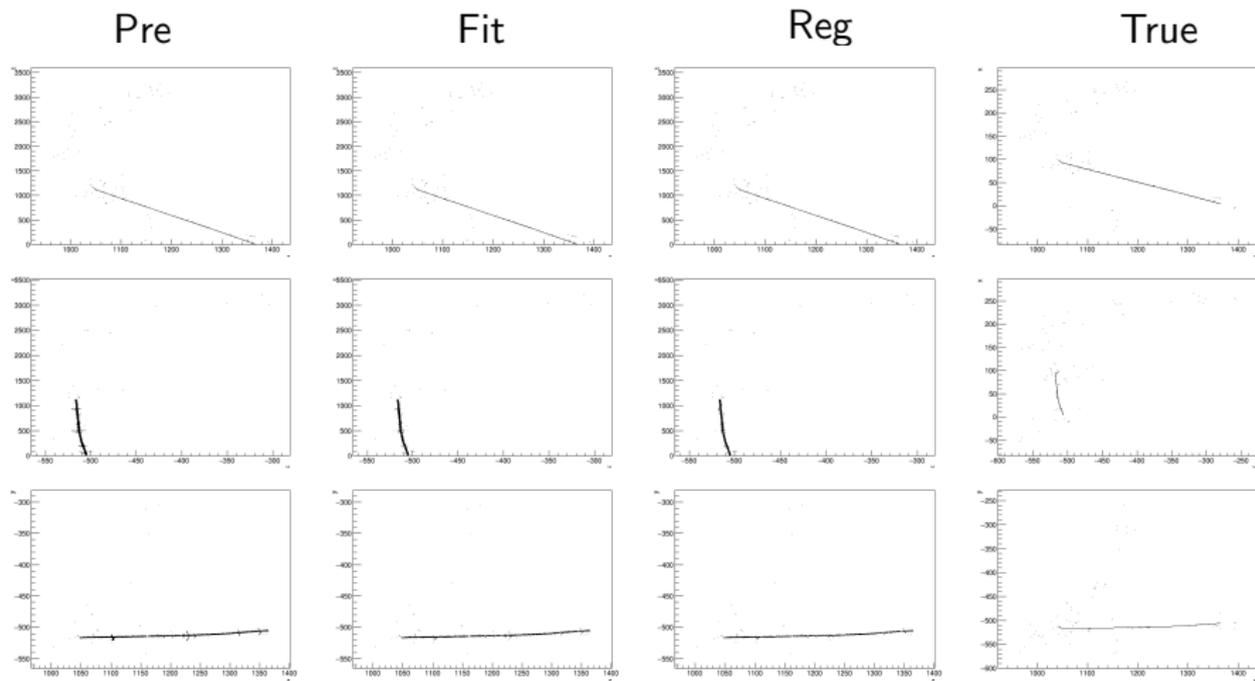
Fit

Reg

True



9379

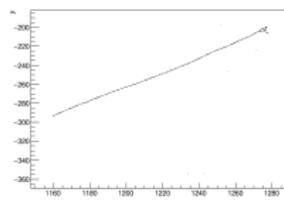
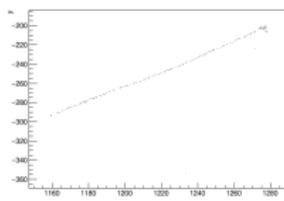
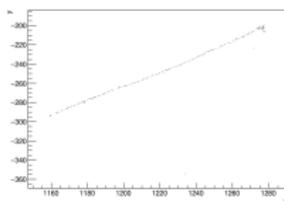
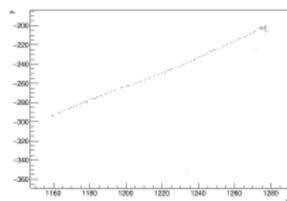
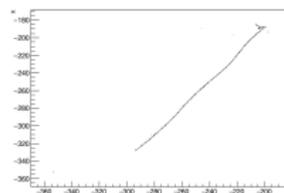
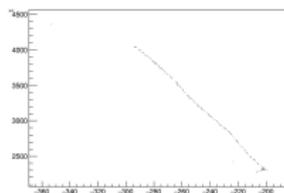
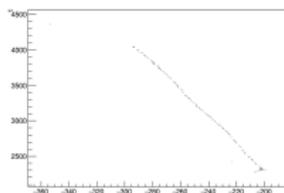
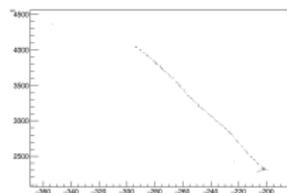
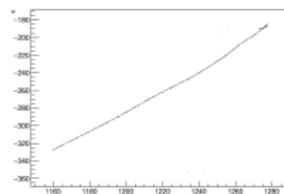
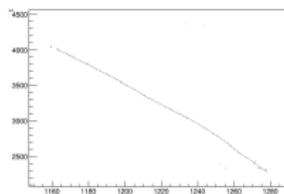
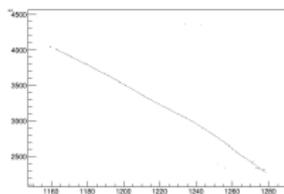
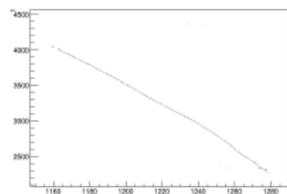


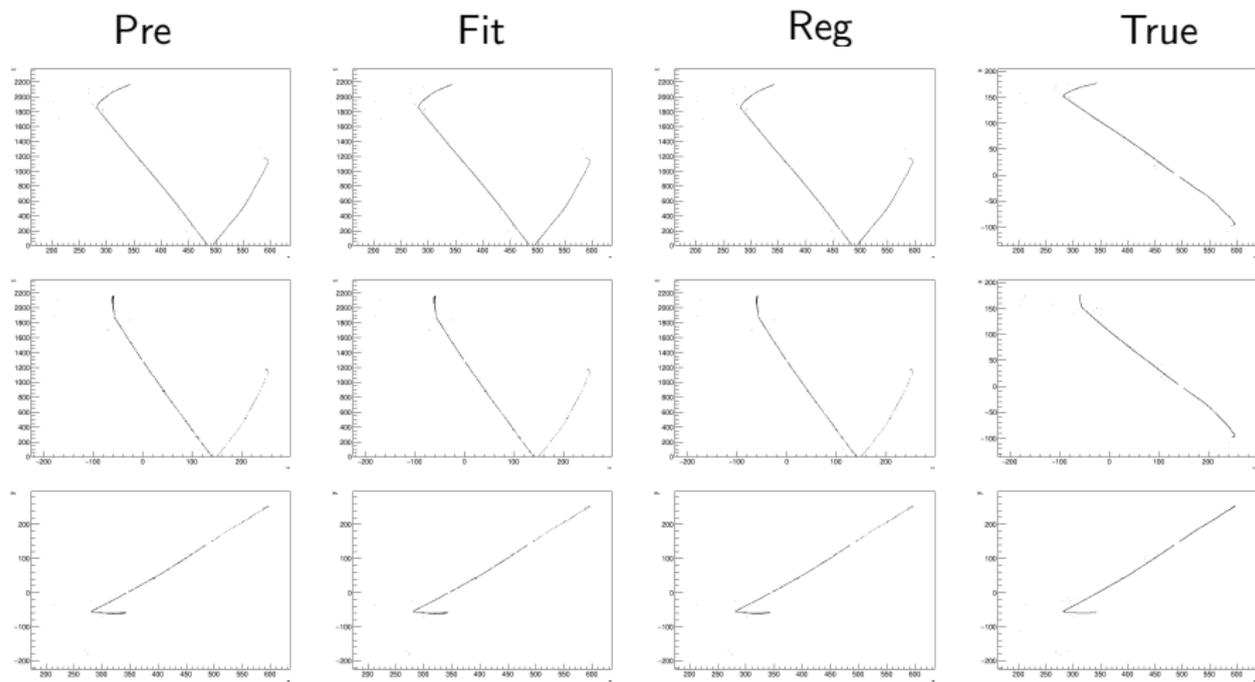
Pre

Fit

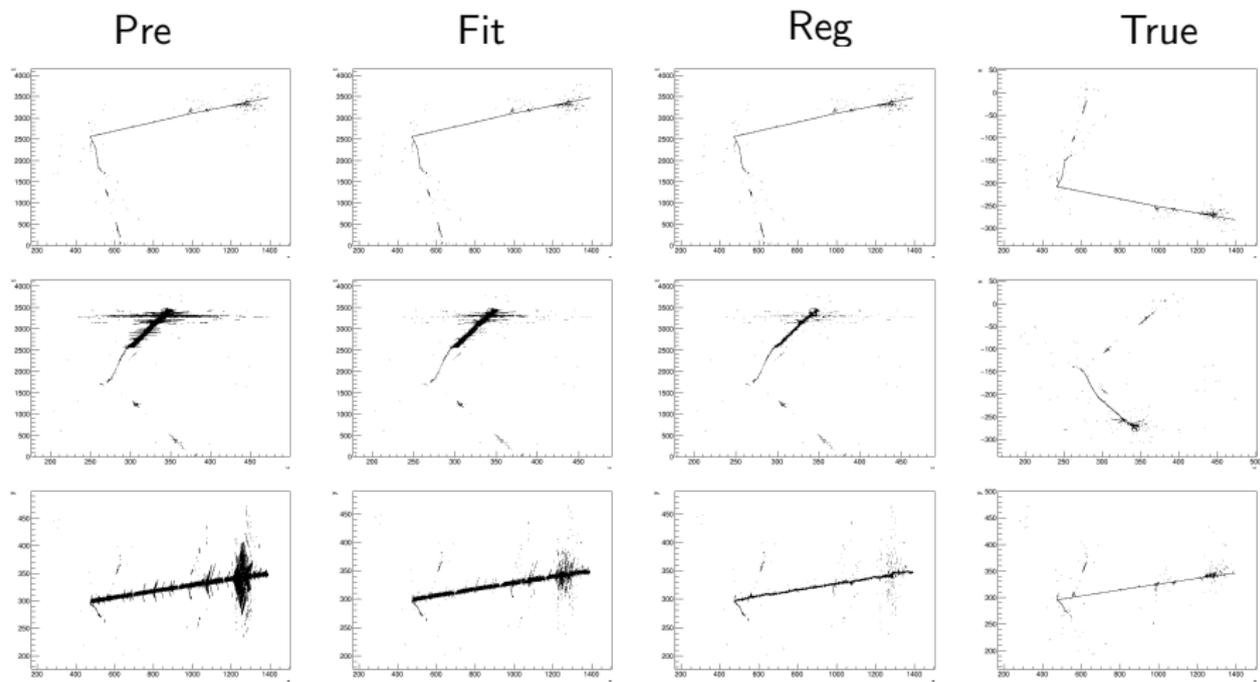
Reg

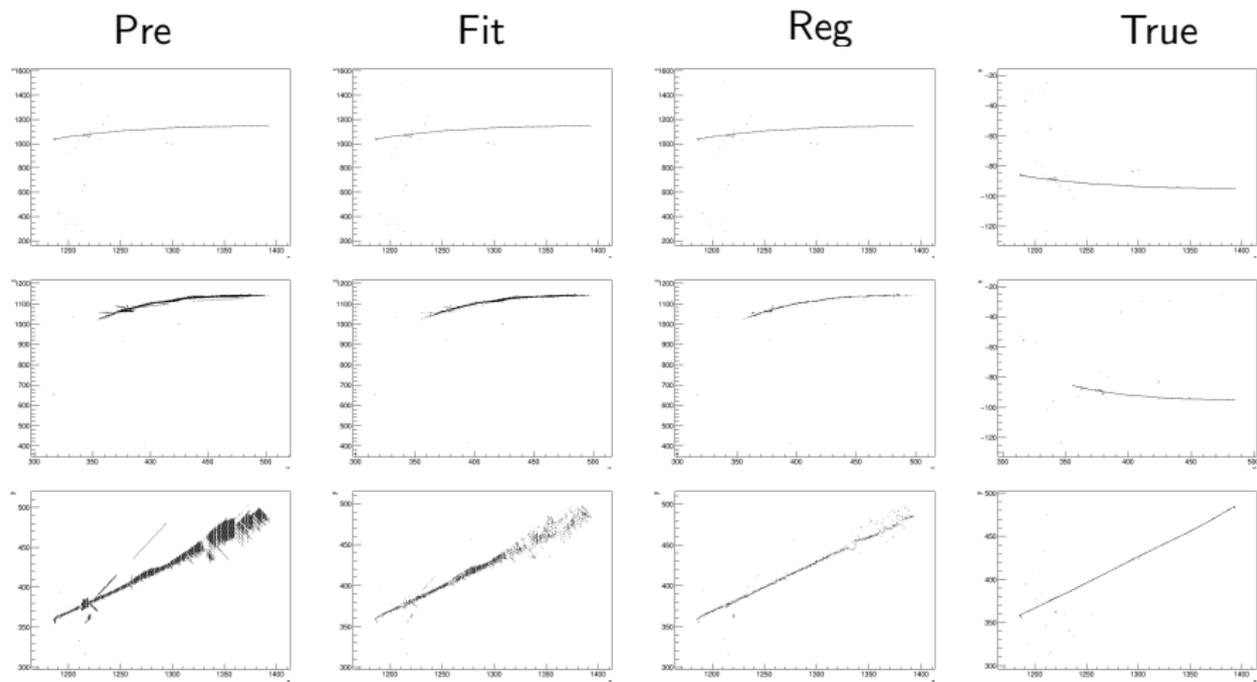
True





9382



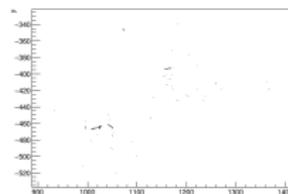
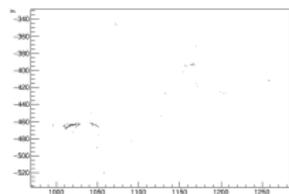
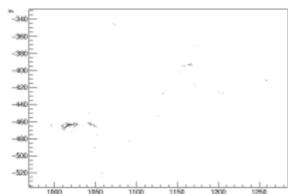
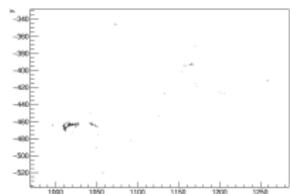
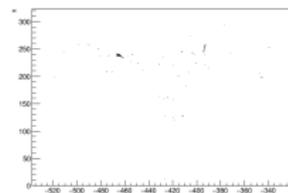
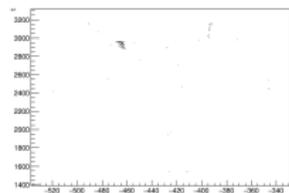
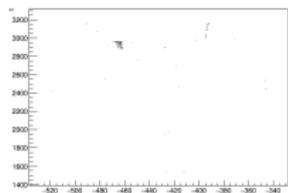
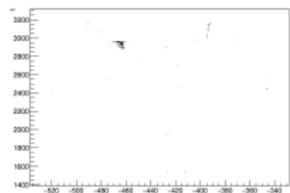
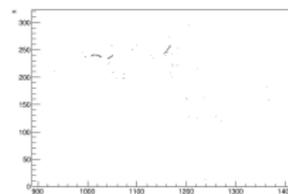
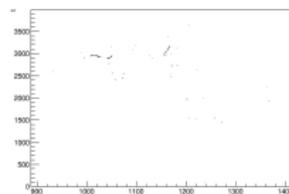
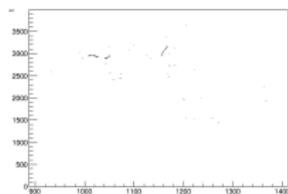
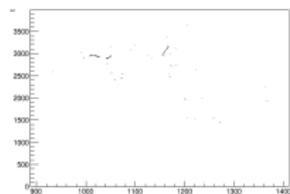


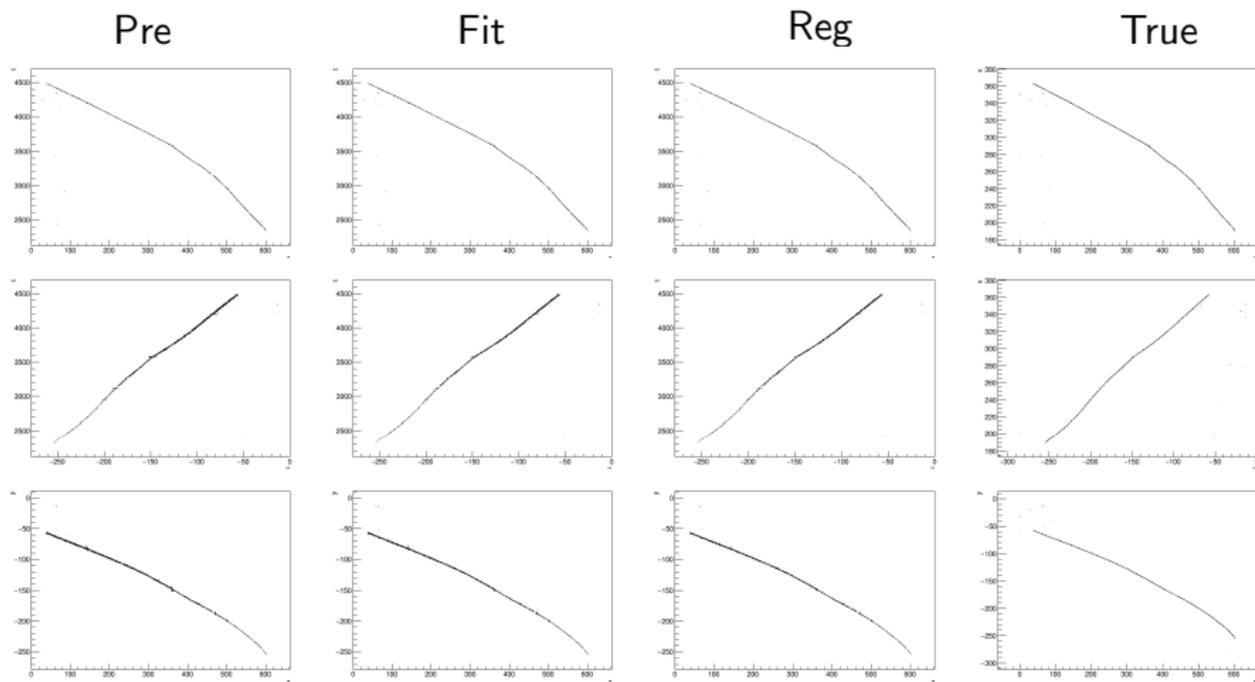
Pre

Fit

Reg

True





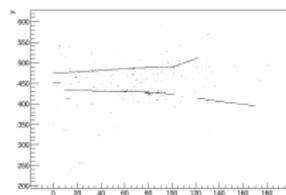
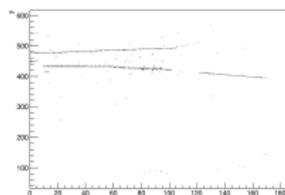
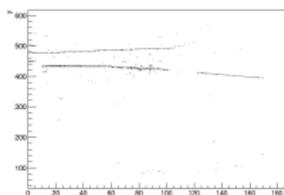
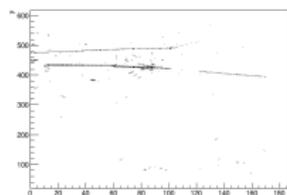
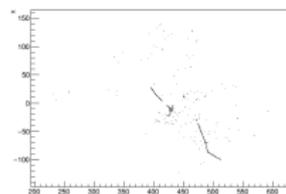
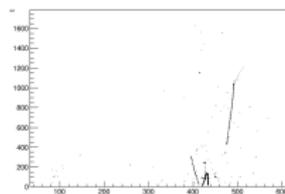
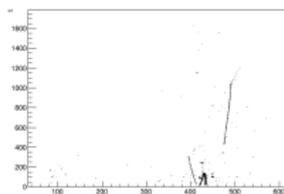
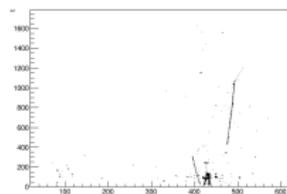
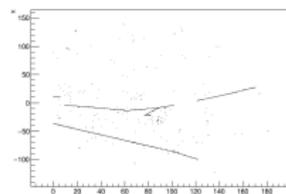
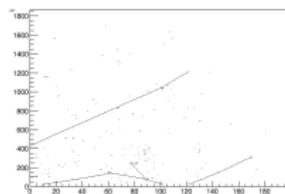
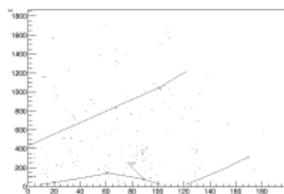
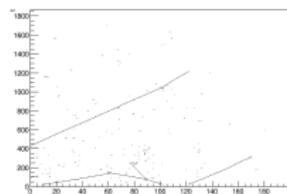
9387

Pre

Fit

Reg

True

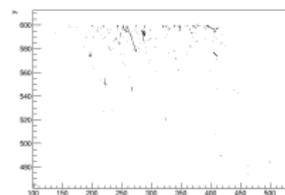
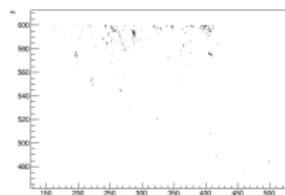
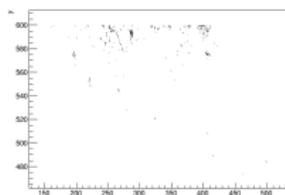
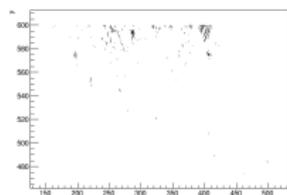
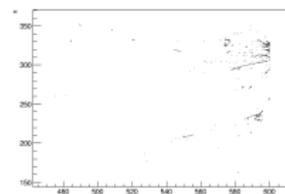
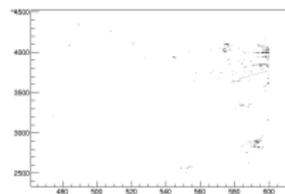
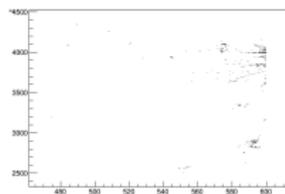
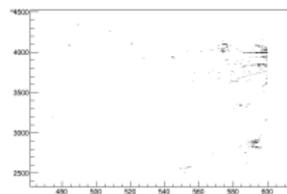
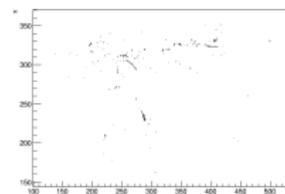
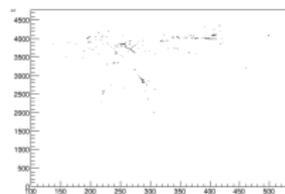
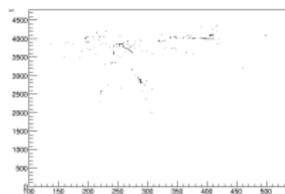
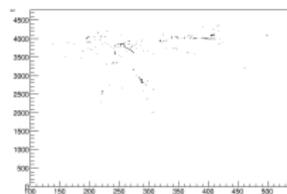


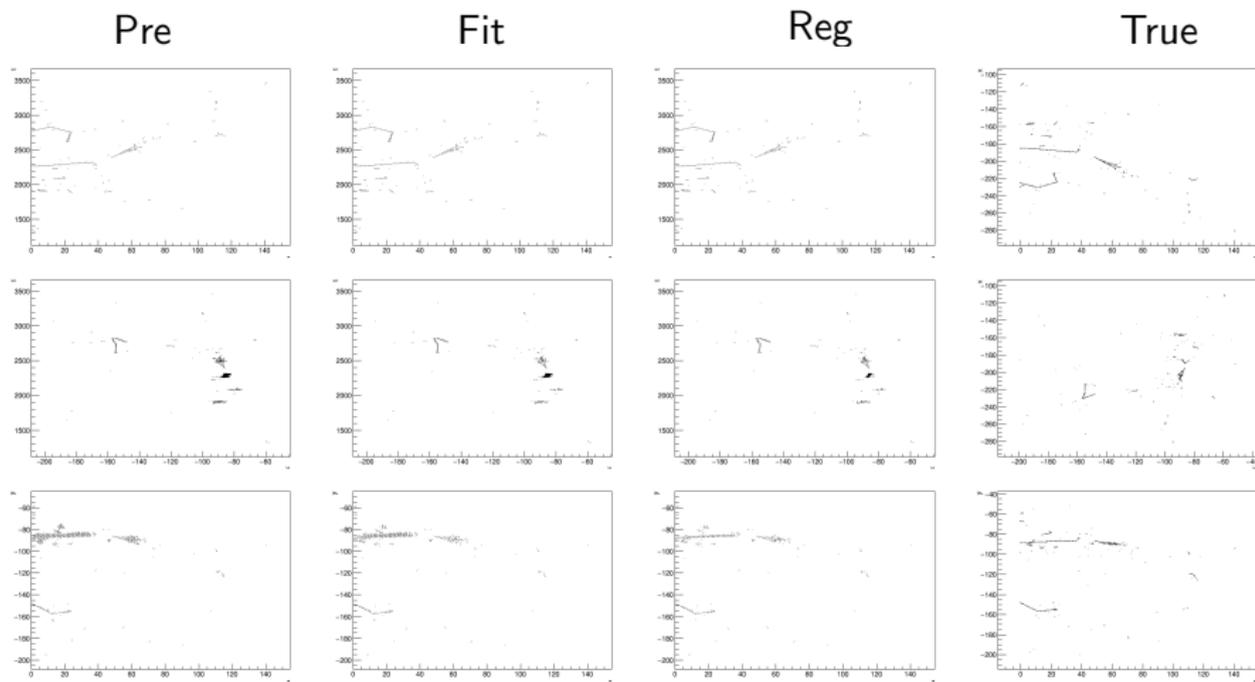
Pre

Fit

Reg

True





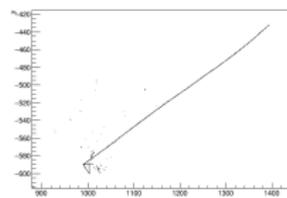
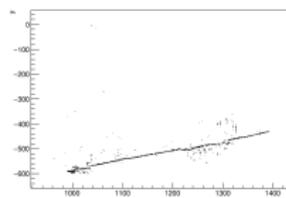
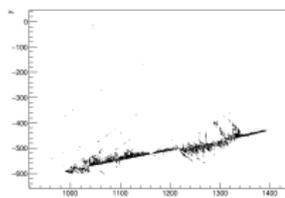
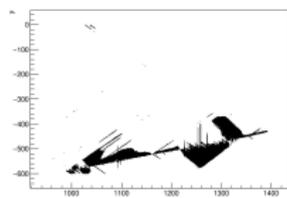
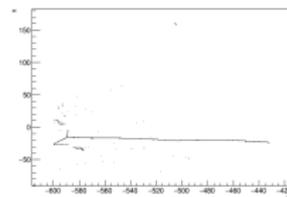
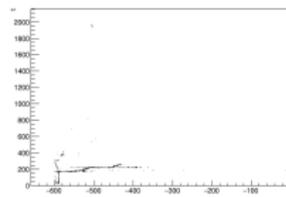
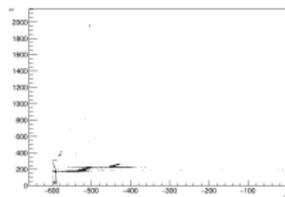
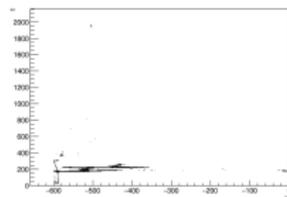
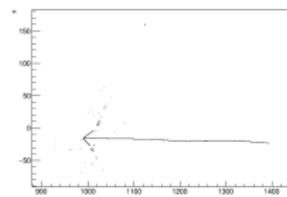
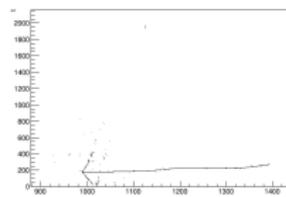
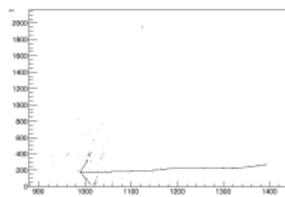
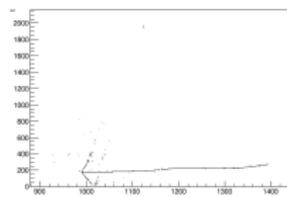
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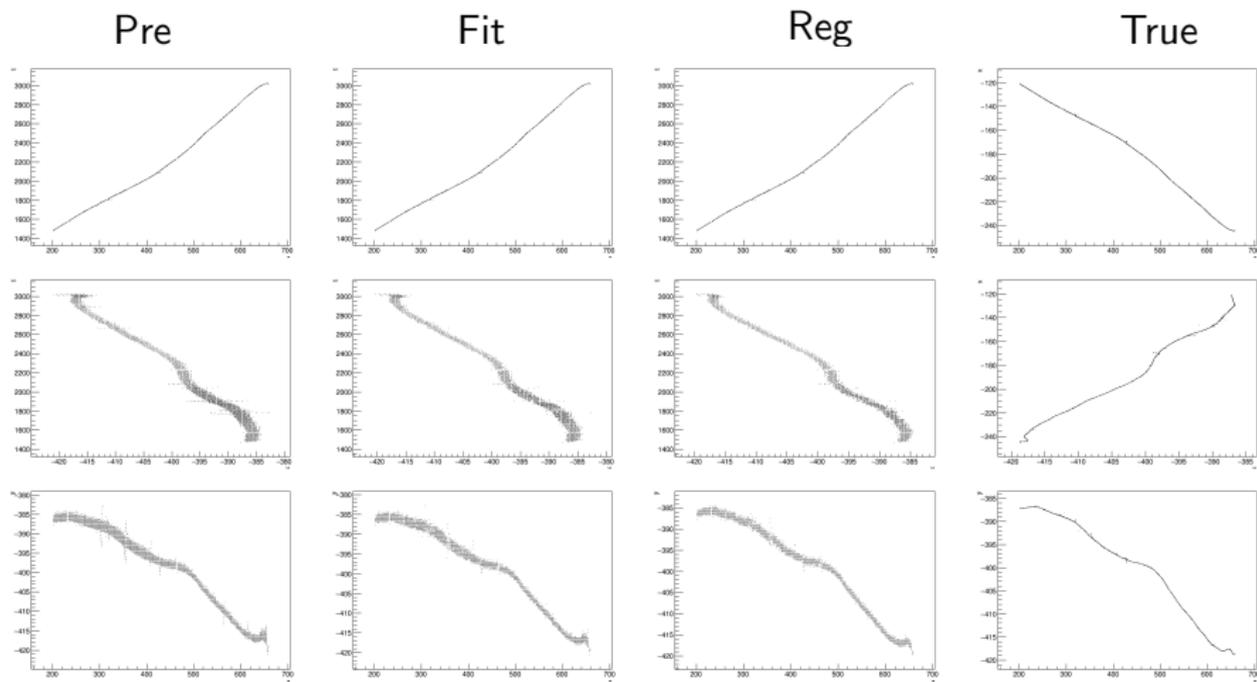
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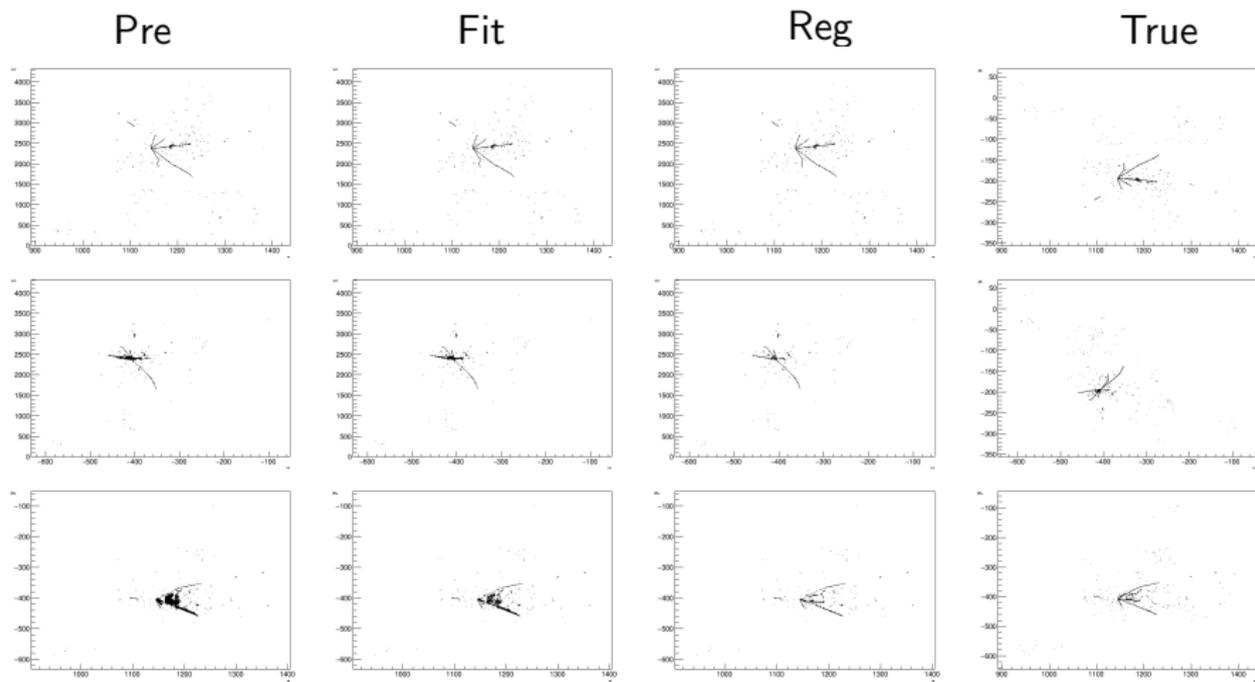
Fit

Reg

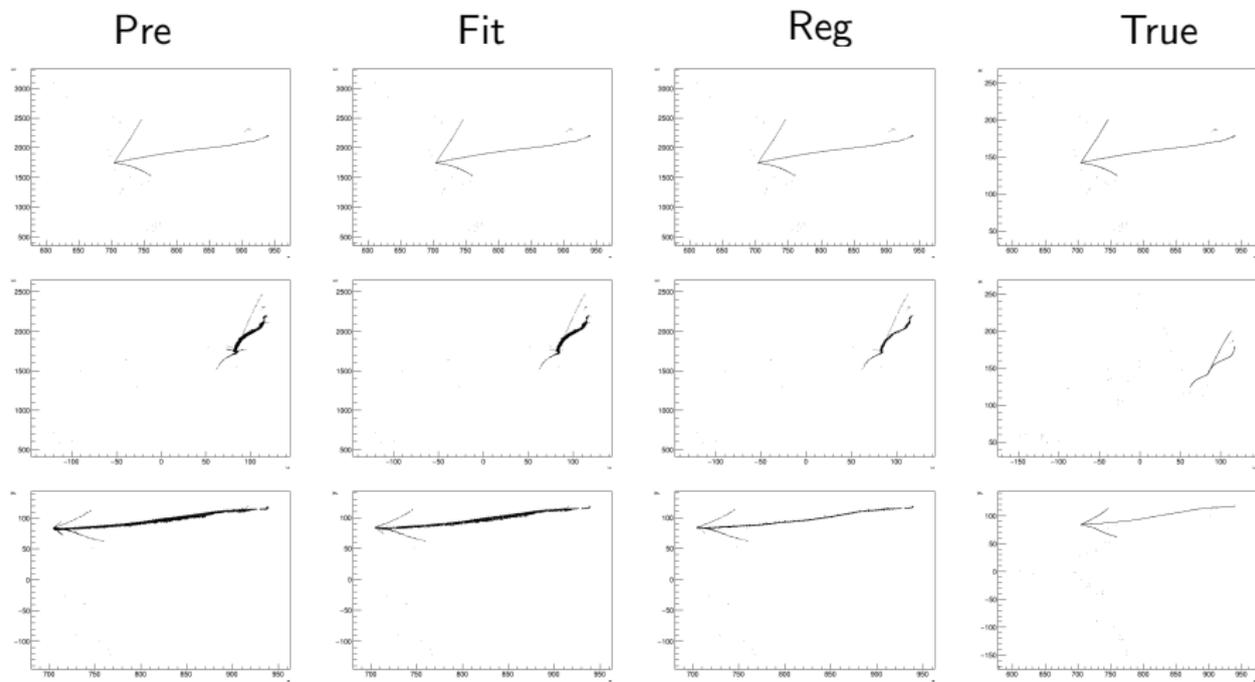
True







9393



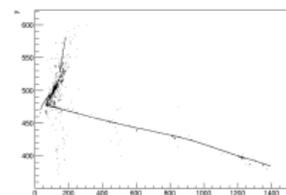
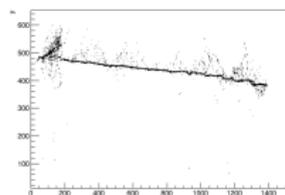
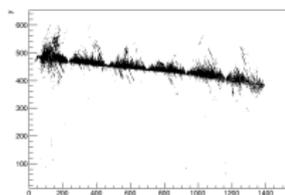
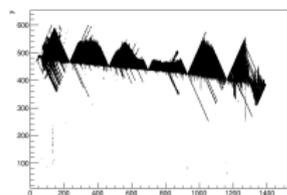
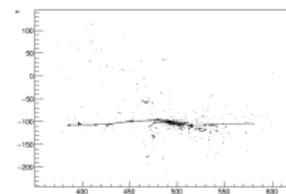
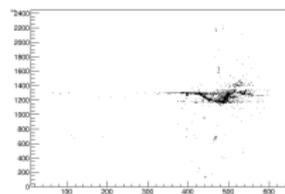
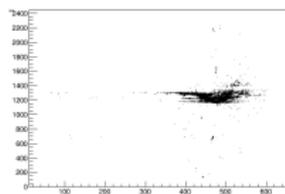
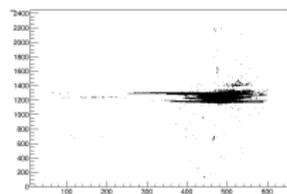
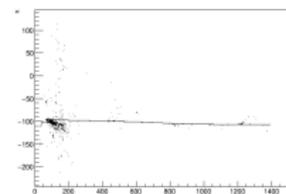
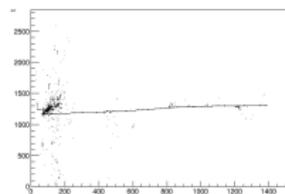
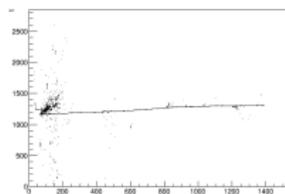
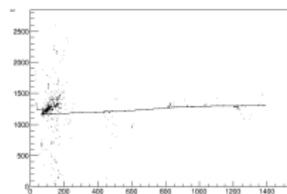
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Pre

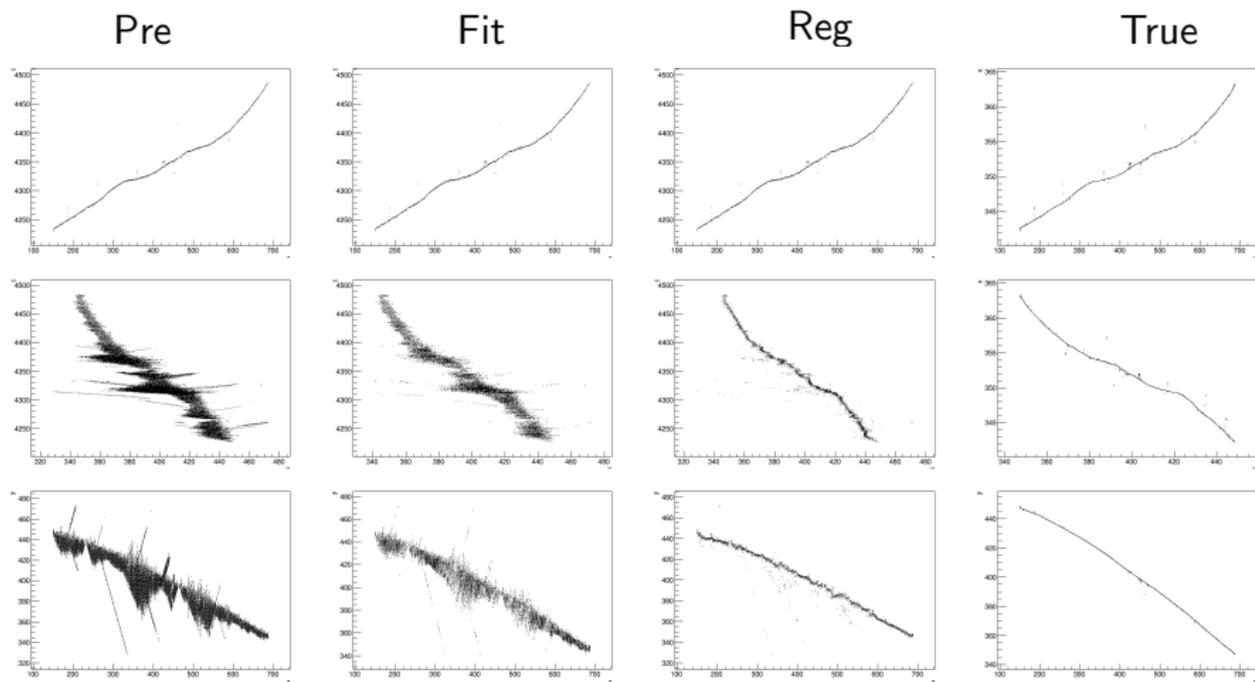
Fit

Reg

True



9395

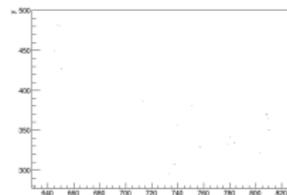
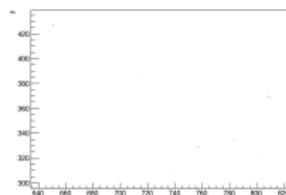
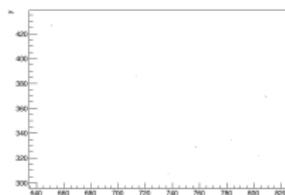
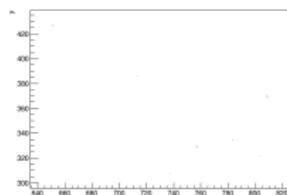
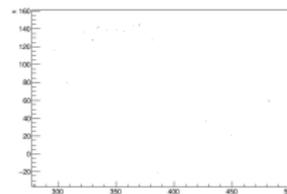
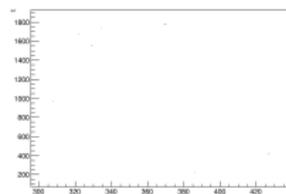
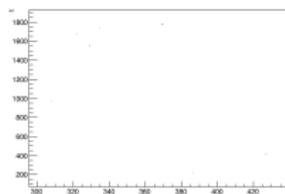
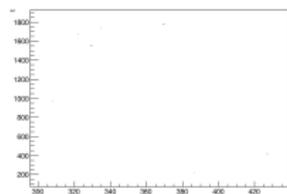
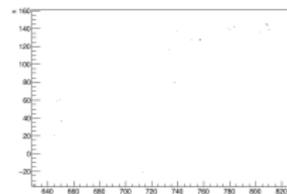
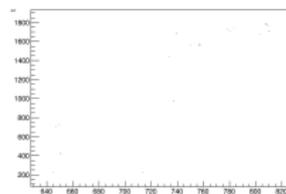
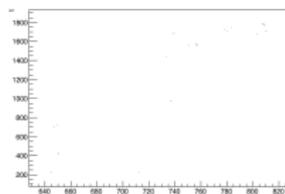
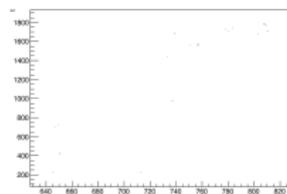


Pre

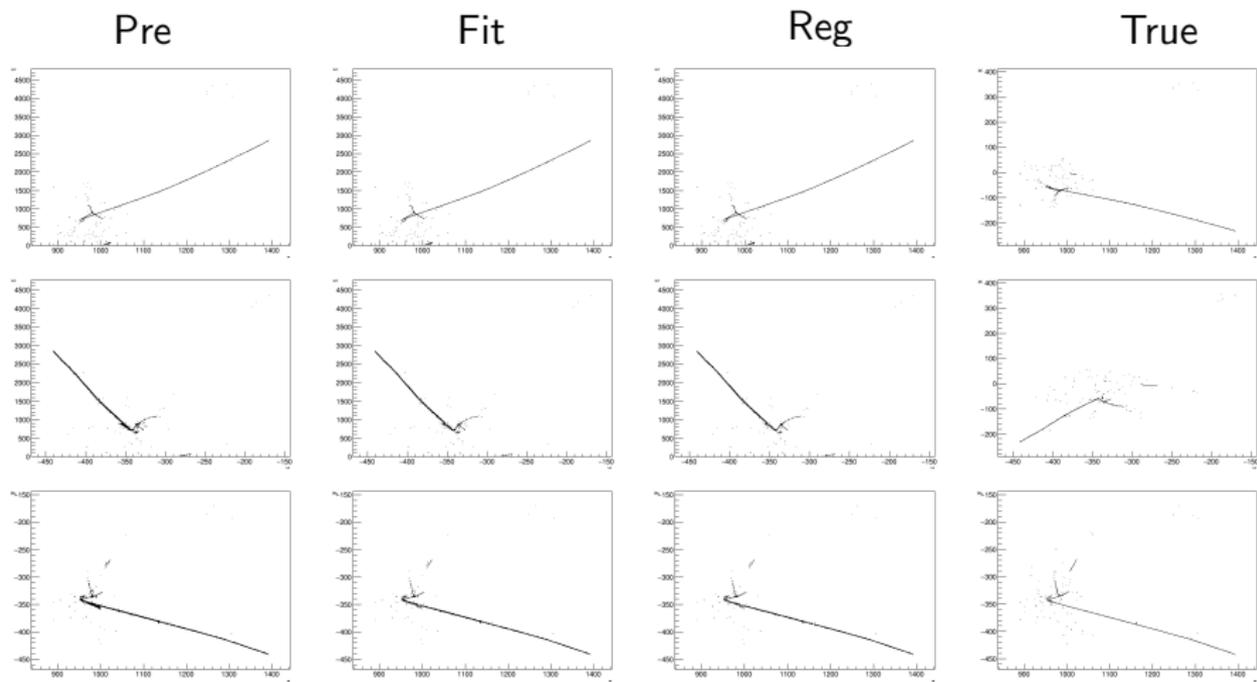
Fit

Reg

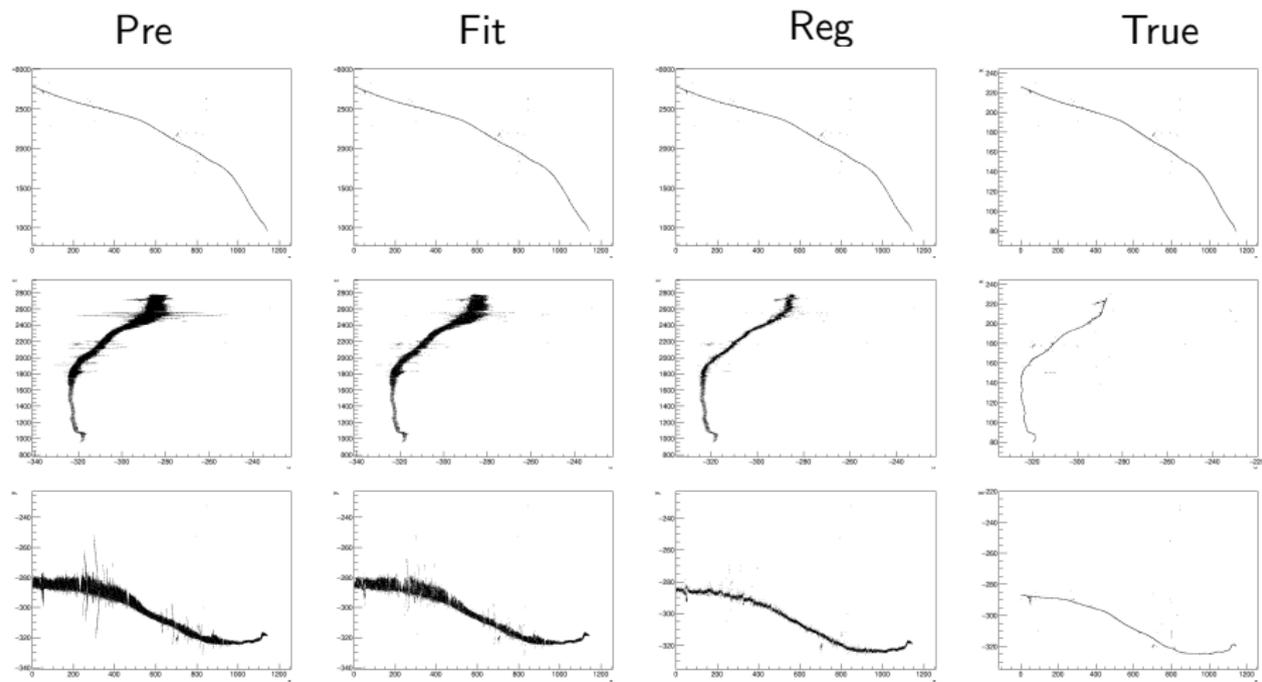
True

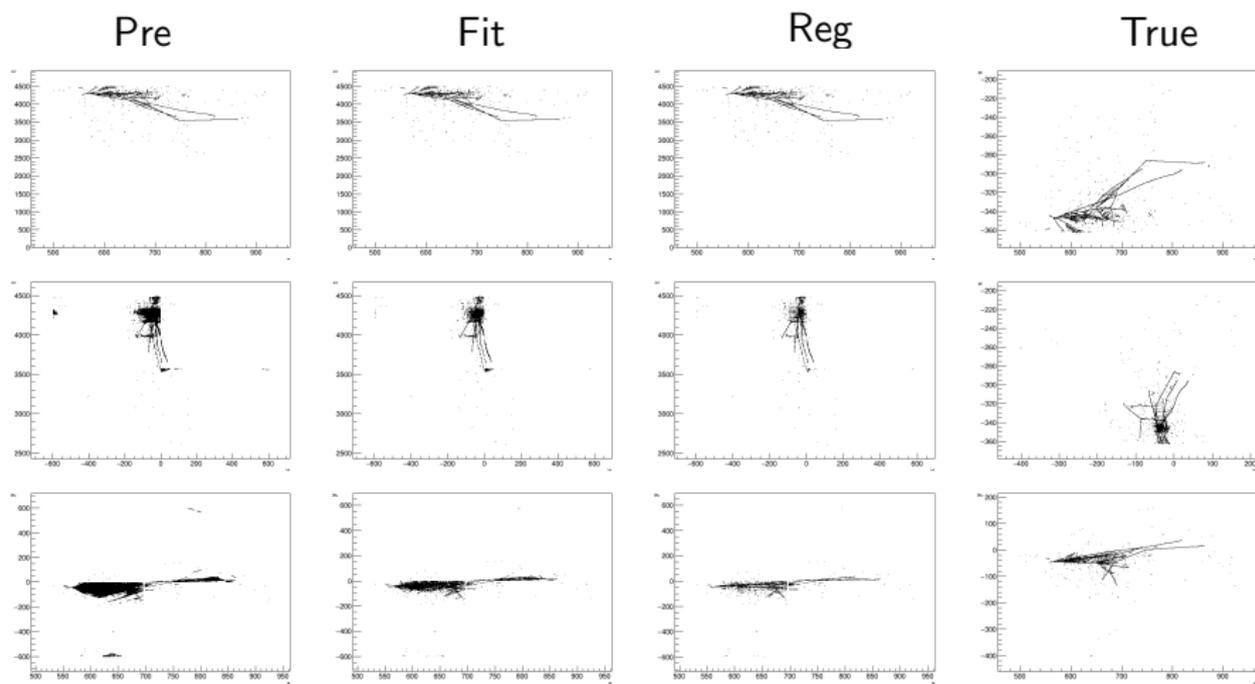


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9400

