Removed services and modules from LArSoft

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LArSoft coordination meeting

Several weeks ago…

- We sent out an email stating which services and modules we intended to remove.
- We heard back from 4 individuals, who requested that some modules be retained.
- The following list shows the list of services and modules that have been removed (on feature branches).

https://cdcvs.fnal.gov/redmine/projects/larsoft/wiki/Services_and_modules_scheduled_for_removal

Removed services and modules

Services

FileCatalogMetadataExtras

LandedSocket

Modules

AggregateEvent

AggregateVertex

BeamFlashCompatibilityCheck

BezierCalorimetry

BezierTrackerModule

BoDataFrameInput

CornerFinder

CosmicClusterTagger

CosmicPCAxisTagger

CosmicPFParticleTagger

CosmicTracker

Disturbance

EmptyFilter

EventMaker

FinalStateSelectFilter

FlashClusterMatch

fuzzyCluster

FuzzyClusterMerger

HarrisVertexFinder

MergeEMShower3D

MergeSimSources

MergeWireCell

NUANCEGen

ParticleDecayId

RecompressRawDigits

RemoveIsolatedSpacePoints

SimpleClusterMerger

SimpleLineCluster

ToyOneShowerGen

TrackTimeAssoc

VertexMatch

MCTruthT0Matching and PhotonCounterT0Matching to be moved to larexamples.

Bezier tracking

Support #20618

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remove liblarreco_Deprecated

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Added by Lynn Garren 10 months ago. Updated about 5 hours ago.

Status:	Resolved	**Start date:**	08/15/2018
Priority:	Normal	**Due date:**	
Assignee:	Kyle Knoepfel	**% Done:**	100%
Category:	-	**Estimated time:**	
Target version:	-	**Spent time:**	8.00 h
Experiment:	-	**Co-Assignees:**	
Duration:			

Description Quote

BezierTrack was moved to larreco/Deprecated, but not completely removed as a result of work done for issue ~~#15446~~

We think the time has come to remove the Deprecated subdirectory entirely. Gianluca's detective work has found the places using BezierTrack.

- `FeatureTracker` and `CornerFinderAlg` are something probably nobody will miss by now
- `BezierCalorimetry`, `BezierTrackerAlgorithm`, `BezierTrackerModule` and event display hooks exist only because BezierTrack exist
- the same is true for `BezierTracker` hooks in the various experiment `AnalysisTree` modules
- BUT the code in `larana/OpticalDetector` *might* be still relevant
  - (`BeamFlashCompatibilityCheck_module.cc`, `TrackTimeAssoc_module.cc`)
  - both MicroBooNE and DUNE state that they are not using those OpticalDetector modules

It may be advisable to do this work in stages.

Feature branches

- The LArSoft packages and feature branches with the relevant commits are:
  - **larana**:feature/knoepfel_rm_bezier
  - **lareventdisplay**:feature/knoepfel_rm_bezier
  - **larreco**:feature/knoepfel_rm_bezier
  - **lardata**:feature/knoepfel_rm_unused_modules
  - **larevt**:feature/knoepfel_rm_unused_modules
  - **larsim**:feature/knoepfel_rm_unused_modules

- Experiment packages and branches that accommodate the changes above are:
  - **argoneutcode**:feature/knoepfel_rm_bezier
  - **dunetpc**:feature/knoepfel_rm_bezier
  - **icaruscode**:feature/knoepfel_rm_bezier
  - **ubana**:feature/knoepfel_rm_bezier

User-facing changes (accommodated by feature branches)

- `larreco_Deprecated` library no longer exists
- `larreco/Deprecated/*` headers no longer exist
- `MakeSeeds` parameter (and corresponding infrastructure) in `lareventdisplay` removed

- Feature branches already pushed to experiment repositories