Which modules and services do you use?

Kyle J. Knoepfel and Saba Sehrish

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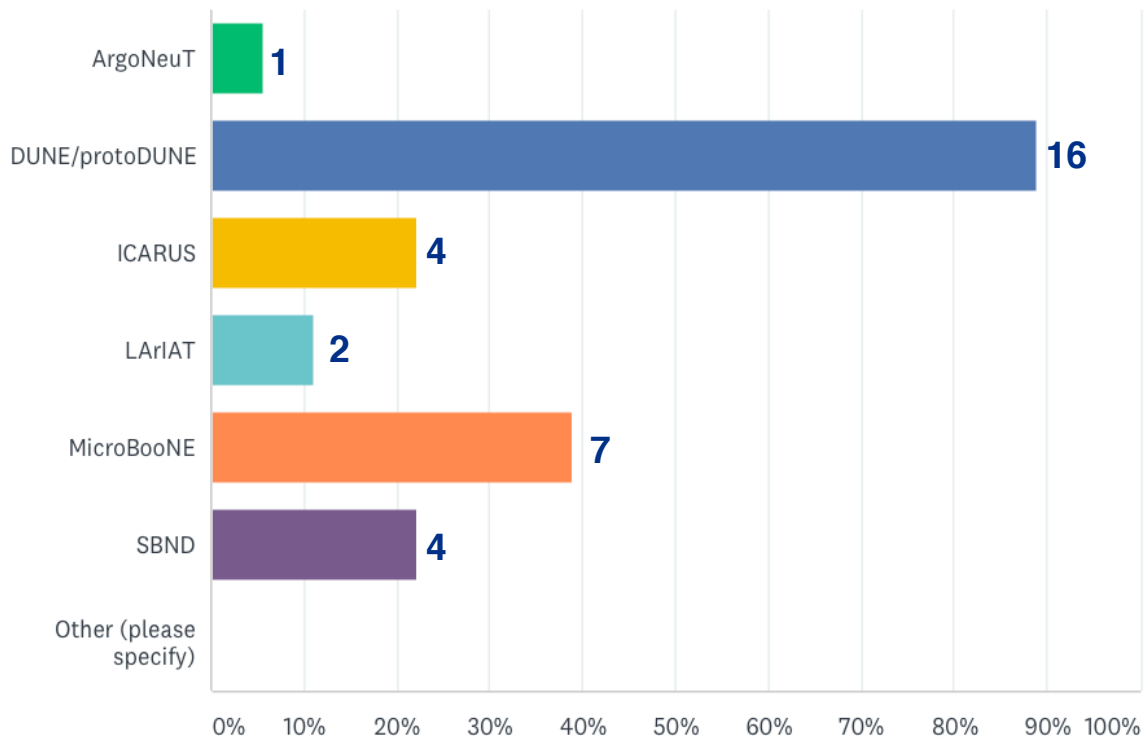LArSoft coordination meeting

Survey sent April 29, 2019

- Upgrading code to be thread-safe and -efficient is nontrivial.
- Maintainability burden to have unused code.
- Nobody has the time to upgrade everything.
- So let's get rid of the stuff that nobody is using.

- The results are here:
  - https://www.surveymonkey.com/results/SM-6Q75ZLKBV/

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Who responded?

- 18 individuals.

Select your experiment affiliation(s).

Answered: 18   Skipped: 0

Affiliation	Count
ArgoNeuT	1
DUNE/protoDUNE	16
ICARUS	4
LArIAT	2
MicroBooNE	7
SBND	4
Other (please specify)	

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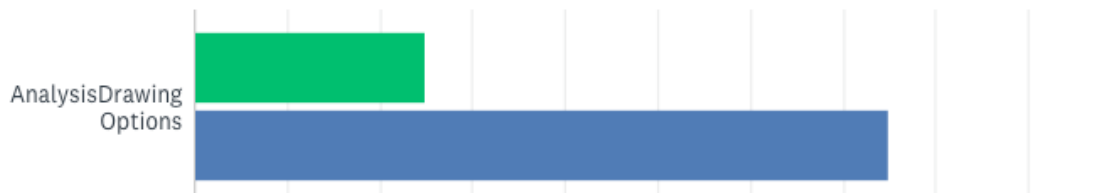
The questions asked:

Which services do you use, and which ones should be removed?

Answered: 16   Skipped: 2

Which producers and filters do you use, and which ones should be removed?

Answered: 16   Skipped: 2

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Proposal to remove these services

The following services had no "Use" votes, and had some "Remove" votes.

- `AtomicNumberService (1)`
- `FileCatalogMetadataExtras (2)`
- `ShowerCalibrationGaloreFromPIDService (1)`
- `ShowerCalibrationGaloreScaleService (1)`

We propose that the above services be removed from the LArSoft code base.

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Proposal to remove these modules

The following modules had no "Use" votes, and had some "Remove" votes.

- `BezierCalorimetry (2)`
- `BezierTrackerModule (2)`

We propose that the above modules be removed from the LArSoft code base.

We also propose removing the `larreco/Deprecated` directory, which contains Bezier helpers.

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The other services and modules

- There were some services and modules that received no "Use" or "Remove" votes.

Services

LandedSocket

Modules

AggregateEvent

AggregateVertex

BeamFlashCompatibility-Check

BlurredClustering

BoDataFrameInput

CornerFinder

CosmicClusterTagger

CosmicPCAxisTagger

CosmicPFParticleTagger

CosmicTracker

DisambigCheater

Disturbance

DPRawHitFinder

EmptyFilter

EventCheater

EventMaker

FinalStateSelectFilter

FlashClusterMatch

fuzzyCluster

FuzzyClusterMerger

HarrisVertexFinder

MCTruthT0Matching

MergeEMShower3D

MergeSimSources

MergeWireCell

NUANCEGen

ParticleDecayId

PhotonCounterT0-Matching

RecompressRawDigits

RemoveIsolated-SpacePoints

RFFHitFinder

ShiftEdepSCE

SimpleClusterMerger

SimpleLineCluster

SpacePointCheater

TotallyCheatTracker

ToyOneShowerGen

TrackTimeAssoc

VertexCheater

VertexMatch

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Modules

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CosmicClusterTagger

CosmicPCAxisTagger

CosmicPFParticleTagger

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DisambigCheater

Disturbance

DPRawHitFinder

fuzzyCluster

FuzzyClusterMerger

HarrisVertexFinder

MCTruthT0Matching

MergeEMShower3D

MergeSimSources

MergeWireCell

RemoveIsolated-
SpacePoints

RFFHitFinder

ShiftEdepSCE

SimpleClusterMerger

SimpleLineCluster

SpacePointCheater

TotallyCheatTracker

We propose a two-step process for these plugins:

- Announce to larsoft listerv that each of these plugins are slated for removal, unless someone speaks up for them.

- We will present at the next LArSoft coordination meeting which plugins have not been claimed and should therefore be removed.

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