Summary of the DRAFT 2021 LArSoft Work Plan

Erica Snider
on behalf of
the SciSoft team
Fermilab

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Goal for this presentation

- To provide a brief summary of the status and contents of the Draft 2021 LArSoft Work Plan
- Solicit any feedback from the community on the broad strokes of the plan

Details of the draft plan can be found here

Developing the LArSoft Project Work Plan

- The Project works to a written plan every year
  - Ensures alignment of work priorities with experiment needs and SCD objectives
- The process
  - Gather input from experiment offline leads and spokes
  - Write draft plan
    - Focus on common needs, infrastructure, architecture, need for CP expertise
  - Draft plan reviewed by offline leads, SCE management
  - Review and approve by experiment spokes, senior SCD management
  - Assign people to carry out the plan per agreed upon priorities

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Currently here

Draft 2021 LArSoft work plan

Two sections

- Short term priorities for the year
  - Goal is to substantially complete these within the year
- Long term and continuing priorities
  - Items that are more demand driven, or expected to span more than a year
  - Also continuing tasks that by construction represent recurring stream of work

Items are prioritized within each section

- High (actively pursuing), medium (progress expected this CY), low (best effort this CY)

Draft 2021 short term work items

1. Thread safety, multi-threading and HPC
2. Pixel detector support within LArSoft
3. Migration to Spack-based build system
4. Support to experiments in transitioning to refactored LArG4
5. Neutrino event generator refactoring
6. Documentation update
7. Support integration of community-based event displays in *art* and gallery

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High priority

Medium priority

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Draft 2021 long term and continuing work items

1. Items where experiments requested support
   a. Long list. Work will be demand driven
2. Architecture work
   a. To support common framework for data preparation
   b. To facilitate use of machine learning from event images
3. Bug fixes, emergency feature requests, building software, helping users

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The end