LArSoft Coordination Meeting

Release and project report

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on behalf of
the SciSoft team
Fermilab

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Today's agenda and speakers

- Release and project report (Erica)

- Recent changes to $nusim$ and $nusimdata$ (Robert Hatcher)

- AOB

Releases

- Last few weeks
  - v09_22_02 released April 29
    - New features
      - larpandoracontent#22: new algorithm to grow showers in downstream direction
    - Bug fixes
      - lareventdisplay#11: Use fSimChannelLabel to get LArVoxel list. Resolves issue #25780
      - larbatch#16: Fix dags singularity image
      - larevt#11: Update LArG4ParticleFilter; added missing call to StartInTPCCheck.
        - *Note: affects post-G4 particle filtering*
      -
  - v09_22_03 released May 4
    - Bug fixes
      - Fix to h5cpp v1_10_4_6b to allow it to work with hdf5 1.12
        - *Avoids the need to roll back version of hdf5*
        - *See Kyle's slides at April 20, 2021 LArSoft Coordination Meeting for details*

Releases

- This week

  - v09_23_00 released May 17 (today!) (which is this week's release...)
    - [larrecodnn#19](#)
      - Updated TensorFlow to v2.3.1a, and Triton to v2.3.0b (formerly trtis_client)
    - [larpandoracontent#23](#)
      - Use libtorch v1.6.0b to pick up protobuf v3.12.3a

  Note: last release to be distributed with e19 (gcc 8.2.0) build

Status of PRs

- Under discussion
  - none

- Approvals in progress
  - none

- Approved
  - none

Everything pending has been included in this week's release

Other changes

Status of items discussed over past few meetings:

- TensorFlow upgrade from v1 to v2.3 (final update)
  - Requested by DUNE -- now also needed for art 3.08+
  - Now completed!

- LArSoft to drop e19 (gcc 8.2.0) support
  - To be completed next week

The end