Software Planning Discussion

Reconstruction

- Derek's slides
- Additional comments on electron (lepton) finder using calorimeter information.

Physics and Detector Simulations

- Supporting the detector design with validating the detector geometry with the DSCs, as well as with the engineering design by the project.
    - Benchmarks plots for the detector validation and evaluation of the geometry updates.
    - Support structures…
- Support development of more sophisticated digitization models.
- Include timing information in all detectors and provide them by default.
- Build timeframes post Geant4 and post digitization.

I have one more comment regarding simulation/reconstruction - what is the workflow to store detector geometries for beam tests, and how can we use EICrecon to reconstruct the beam test results without having to re-wire it.

If there is HGCROC readout structure implementation, we would rather not have BIC implement it, and LFHCAL implement it differently, and have EEEMCAL implement it yet again differently

User Learning

Priorities and plans from CERN meeting:

- Establish regular hybrid tutorials with a predictable and established schedule.
- Continuously maintain training materials and FAQ to support collaboration members.
- Increase engagement of collaboration members with User Learning (accessing training materials, providing tutorial, support, feedback).

Other:

- Plan for user manuals.

Validation

Priorities and plans from CERN meeting:

Extending the pool of useful benchmarks

Other:

- Data quality plots for simulation productions.

Production

Priorities and plans from CERN meeting:

- Working with the PWGs to revise the reference list of physics processes and related MC samples to be included in the simulation campaigns for the TDR
- Improving Production Throughput and Monitoring
- Rucio
- International Collaboration