News and Discussion

- Discuss Draft of Fermilab CRSG - Ken Herner
- Summary of DUNE CS&C Week at DUNE Collaboration Call
  - work still needed on action items from the live notes
  -

Oct 2024 NSG Report circualted

- "Summaries of the progress with FDs, ND and Software and Computing indicated strong progress in all areas."
- "Tracking DUNE progress is still challenging, partly due to the lack of tools to present well defined, reasonably spaced milestones and other metrics in a consistent way. A substantial number of past NSG recommendations are still not fully addressed."
- Recommendation: "Quantitative measures to track progress on the other aspects of the DUNE experiment (ND, Computing and Software) should also be shown at the spring NSG meeting."
- Recommendation: "The present risk register needs to evolve including a broader scope and risk mitigation plan."

NSG Committee Report

October 2024

Henrique Araújo, Dmitri Denisov, Hal Evans, Luisella Lari (absent this meeting), Vaia Papadimitriou, Nadia Pastrone, Anne Schukraft, Evelyn Thomson, Patrice Verdier

Executive Summary

The NSG Committee had its third and final meeting of 2024 at Fermilab on October 23-25. The charge and the agenda of the meeting are attached at the end of this report. The committee concentrated on evaluating the process of coordination between international partners, assessing progress with previous NSG meetings recommendations, reviewing progress with Far Detectors (FDs) construction, Near Detector (ND), Software and Computing, and reviewing, for the first time, DUNE Common Fund.

We commend DUNE for strong progress in all areas since the June 2024 NSG meeting and for the informative presentations at the meeting and feedback on multiple committee questions and requests for additional information.

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CRAB Discussion

- Physics Coordinators are receptive to presentation by Mat about Software Coordination
  - They are still working on coming up with a plan from their side
  - hopefully should be able to have everything ironed out by January
- Reminder that CRAB meets 3rd Friday of the month

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DUNE Resource Review Board

- "The DUNE Resources Review Board (RRB) is part of the international project governance structure for the Deep Underground Neutrino Experiment (DUNE). It was established to provide coordination among funding partners and oversight of DUNE. It is comprised of representatives of all funding agencies that sponsor the Projects, and of Fermilab management."

- Presentation last Friday regarding computing resources (hardware and effort) was made

- Question came about maturity of software (algorithms, framework, and infrastructure)

- Question came about fraction of university vs national lab effort on algorithmic development

- overall, good response and positive feedback from the spokepeople on the reception of the presentation

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CCB Preparation

- December meeting was planned to be the preliminary presentation of the model
  - date is not yet finalized, but a newdle poll was circulated in Sep
- Will be putting together reports on activities in the last 3 months
  - look for circulation of numbers a week ahead of the meeting
  - will likely need assistance for additional effort

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HEP Software Foundation

- HSF has decided that they are going to transition from Working Groups to Activity Areas

    - Frameworks working group no longer active

    - invitation has been extended to DUNE to become more engaged

    - meetings leading to the European Strategy Update (ESPPU) are taking place now

Activity Areas

Activity
Data Analysis
Detector Simulation
Physics Generators
JuliaHEP
PyHEP
Reconstruction and Software Triggers
Tools and Packaging
Training

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AOB