

COMPUTING RESOURCE ALLOCATION BOARD

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Agenda for January

- Another meeting next week at collaboration meeting.
0. New computing consortium lead search
 1. Production/Disk reports
 2. Upcoming requests – prioritization
 3. Long term planning
 1. Data analysis facilities

Consortium Lead Search process

1. We need to **replace Heidi Schellman as Consortium Lead** as she will be taking over as Chair of the DPF executive committee.
2. **Ken Herner** will solicit nominations for a search committee from the full collaboration with a goal of having the committee formed by Feb 1.
3. In parallel Consortium Lead prepares document on duties.
4. The search committee then asks for nominations for Computing Consortium Lead from both the consortium and the whole collaboration in February/March.
5. The search committee then interviews candidates and puts a slate forward to our “DUNE Consortium Board” which technically consists of 1 representative per institution contributing to DUNE Offline Computing.

Goal is to **identify the new consortium lead by the May Collaboration** meeting to take over at the beginning of the summer.

Part II – Data analysis

Far future: Data analysis facilities

- Facilities with lots of fast local disk
- CPU/GPUs available
- Software to allow fast parallelized analysis (LHC expts do this a lot)
- Many collaborating institutions have access to such hardware

Would be good to build some common software solutions across DUNE

Build on LHC expt's efforts: <https://iris-hep.org/as.html>

Use cases

- Use cases:
 - ML training
 - Parallel jobs across GB scale data samples (systematics estimation)
 - CP violation parameter estimation – really big!
 - Things that take large $\sim > 10$ GB of memory
 - Unfolding
 - Detector maps before compression
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Form an analysis systems working group?

- What do we need for various types analysis?
- What software is available?
- What collaboration sites have hardware that we should use?

- This needs to have input from physics groups and from our large compute sites:
 - CIEMAT, IN2P3, RAL ...
 - US national labs
 - CERN?