

Production report

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Production report

Current campaigns:

- 1 Reco2 stage for the LBN (FD1HD, FD2VD): at validation stage:
FD1-HD (so far 9TB 5578 reco files) 12.2M events total
FD2-VD (so far 1 TB 1001 reco files) 13.1M events total
- 2 ProtoDUNE-SP 2 GeV MC: on hold, removing files with corrupted checksum

Upcoming campaigns:

- 3 ProtoDUNE HD 1.5 M events, 75K files ~230TB
ProtoDUNE VD 30K, events 13K files ~60TB

Production campaigns status (March 15)

1. Reco 2 stage (FD1-HD, FD2-VD)

- validation datasets have been prepared and made available (HD, nu samples)
- additional datasets in preparation

2. ProtoDUNE SP 2 GeV Monte Carlo

- production restarted, estimated time to completed it: ~10 days
- output size ~140 TB, 140k files

3. ProtoDUNE-HD/VD Monte Carlo

- production scripts being prepared (workflow defined)
- tests are going on now (in particular, metadata creation)

New production request:

- ❖ Processing of the second phase of the atmospheric production (03/11)
 - running the high level reconstruction (reco2) on all of the events generated with the HE atmospheric production of November/December 2023 (15M events, FD1-HD)
 - preliminary estimations: output size ~ 130 TB, 20K CPU hours

Repository for configs, utility scripts

- Since last meeting, the production [github](#) repository has been populated with configuration and production scripts used in past campaigns
- General utility scripts will be also added

The screenshot shows the GitHub repository **dune-prod-utils** (Public). The repository has 1 branch (main) and 0 tags. The file structure is as follows:

- epennacc configuration files added (commit a68)
- production-scripts (configuration files added)
- utility-scripts (production utility scripts)
- README.md (Initial commit)

The **production-scripts** folder contains:

- ..
- DC
- MC
- data

The **data** folder contains:

- ..
- FD
- ND
- ProtoDUNE
- Prototypes
- README.md

The **FD** folder contains the following campaign-specific folders:

- FD1HD_FD2VD_December2023_beam_step2
- FD1HD_FD2VD_Summer2023_beam_step1
- FD1HD_November2023_HE_step1