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# Welcome to the protoDUNE-SP/NP04 Computing Pages

# Data Preparation Activity

# Planning Documents and Web Pages

- ProtoDUNE-SP software and computing plans [↗](#)
- DUNE software and computing plans in support of ProtoDUNE-SP [↗](#)
- Design of the Data Management System for the protoDUNE Experiment [↗](#)
- Proposed Initial Data Reduction [↗](#)

# FAQ

- Getting Computer Accounts [↗](#) (you will need both Fermilab and CERN accounts - sorry!)
- Submitting a ticket to the CERN Service Desk
- DUNE OpenStack VMs at CERN

# Computing@

- DUNE: join the mail list <mailto:dune-computing@fnal.gov>
- CERN Neutrino Facility: Neutrino Platform (CENF)
- Production and Data Management Logbook: <https://dbweb6.fnal.gov:8443/ECL/dunepro/E/index>

# DAQ/Online

- protoDUNE-DAQ

# Data Handling and Management

- pDUNE-SP data management [↗](#)



# Production

- Production and data management log books [↗](#)
- Production Campaigns (need to be in the DUNE VOMS) [↗](#)

pDUNE-SP needs the following databases, for which all master copies are provided and supported by the Fermilab Scientific Computing Division.

- Beam Instrumentation - is implemented as part of the Fermilab IFBEAM database, with information acquired and distributed from CERN Timber and DIP.
- Calibration Databases - TBD implementation - data written from offline processing and accessed by analysis programs
- Run Control configuration Databases - archived versions of the database hosted at CERN as part of the DAQ/Online systems
- Slow Control databases - - archived version of the database hosted at CERN as part of the Slow Controls/JCOP system

# Data Sets available and how to access them

- pDUNE-SP Datasets: <http://dune-data.fnal.gov>

# Monitoring

- <https://batch-carbon.cern.ch/grafana/dashboard/db/experiment-batch-details?var-cluster=cernprod&var-experi>

# Important Information TBD

- protoDUNE database requirements
  - ◆ catalog of schemas
  - ◆ hardware requirements
- production group
- resource allocation and sharing between NP02/NP04

# Computing and Software Meetings

- [Software and Computing](#)
- [S&C General Meetings](#)
- [DAQ](#)
- [Beam Instrumentation](#)
- [Data Reconstruction and Analysis](#)
- CERN-IT - ProtoDUNE computing coordination meetings

# Links

- [Back to NP04/protoDUNE-SP Twiki Main Page](#)
- [CENF-Computing Main Page](#)
- [CENF-protoDUNE web page](#)

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## Major updates:

MaximPotekhin - 2018-06-28

RuthPordes - 2017-10-03

MaximPotekhin - 2017-03-31

NectarB - 21-Sept-2016

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