### Twiki Pages for the run

ProtoDUNE-SP DAP Meeting August 23rd, 2018

### Main Twiki page

### https://twiki.cern.ch/twiki/bin/view/CENF/DUNEProtSP

TWiki > CENF Web > RDProjects > DUNEProtSP (2018-08-22, FlorDeMariaBlaszczyk)



#### Welcome to the NP04/protoDUNE-SP Experiment TWiki page

ProtoDUNE-SP Commissioning Phase and Plans for the Run do - Talk by Flavio at the Jan 2018 DUNE Collaboration Meeting

- Coming to CERN for Operations and Shifts
- NP04 SHIFTER CALENDAR
- NP04 SHIFT CALENDAR BY INSTITUTION

## ➤Instructions for coming to CERN and accessing EHN1

Shifter calendars

#### Operations and Shifts

- NP04 OPERATIONS
- protoDUNE-SP DAQ
- protoDUNE-SP Slow Control
- protoDUNE-SP Slow Control new
- protoDUNE-SP Control Room
- protoDUNE-SP Beam Instrumentation
- NP04 E-groups E-groups control access to computing applications and resources at CERN. This section describes the e-groups used in np04 operations.

#### NP04 Detector and Cryogenics

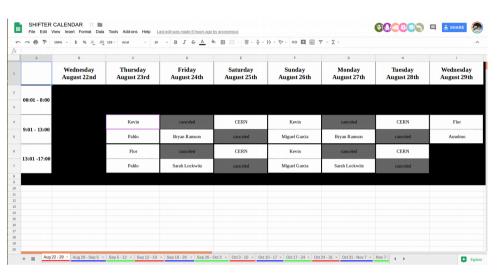
- protoDUNE-SP Installation/Test/Integration
- protoDUNE-SP Cryostats
- protoDUNE-SP CPA/FieldCage/HV
- protoDUNE-SP Cryogenics

#### Offline Computing and Software

23/08/2018

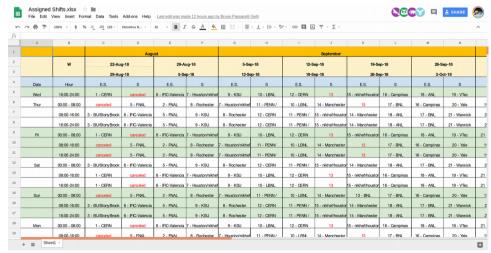
### Calendar pages

# https://docs.google.com/spreadsheets/d/1JbyYU81dtkftmfXfGN1iFXFXWXVgmi2YjhHIrvHa5uY/edit?usp=sharing



- > 8-days calendar with the name of shifters
- Tabs at the bottom allows to move across shift blocks
- ➤ When time for your shift gets close, please sign up so we keep track of who's in the Control Room
- ➤ Printed version will be available in the Control Room

# $https://docs.google.com/spreadsheets/d/18SrOOlCAMsSO2vGnsJQzY27RSdBlD02u0F5MIOHFP\ e4/edit?usp=sharing$



- > General calendar by institution
- Let you see when your shifts takes place
- ➤ For institution not yet signed up, let you see which spots are still free
- ➤ Like there is an empty block September 12<sup>th</sup> 26<sup>th</sup>, sign up!!!

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Links to shifter instructions, run plan, etc

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#### Offline Computing and Software

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### Operations page

https://twiki.cern.ch/twiki/bin/view/CENF/DUNEProtSPOperations



➤ During beam time, it will inform on which kind of run to takes, which configurations to use, etc ARTDAQ CONFIGURATION FOR NOISE RUNS: np04\_WibsReal\_Ssps00050

ARTDAQ CONFIGURATION FOR PULSER RUNS: np04\_WIBsReal\_Ssps\_FEMB14mVfC2usPulser8\_00003

- Take pulser runs with 5 APAs ( all but MSDaQ (APA6) )
- Take CE noise run with 5 APAs ( all but MSDaQ (APA6) )
- · Take PD commissioning run 6 APAs
- During and anyway before the end of the shift, check data rates, online monitoring, noise levels for the taken runs

-- RobertoAcciarri - 2018-08-20

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## Shifter Instructions

#### https://twiki.cern.ch/twiki/bin/view/CENF/NP04Shifts

TWiki > CENF Web > RDProjects > DUNEProtSP > DUNEProtSPOperations > NP04Shifts (2018-08-23, RobertoAcciarri)



#### NP04 Shifts

#### Shift Start

- Be a bit early for your shift.
- Each workstation should always be logged in. In case it isn't, login is pduser (password reported in the whiteboard).
- · Check the weekly Run Plan
- · Sign in to logbook
- Sign in to Run Control by:
  - o clicking on the key logo on the top right corner of the page
  - o entering your CERN credentials when prompted.
- If no Run Control window is present, open one by:
  - $\circ\,$  typing  $\textbf{\textit{srv010}}$  on a terminal to connect to the correct server machine.
  - o Type RC to start the Run Control GUI.
- Make a logbook entry identifying the shifters and current conditions

- ➤ Being developed, it will upgraded and completed as these pre-beam shifts will take place
  - ➤ Shifter on duty and soon to become shifters, please look at/use it and feel free to improve/give us comments on it

#### During the shift

- In absence of specific instructions, follow the Run Plan.
- Make an elog entry when you start a new run, specifying:
  - Run Number
  - o Type of run (i.e. Noise, Pulser, Test, etc)
  - o Camera and Light conditions (on or off?) this can be observed by the DCS Monitor here or on the left-most big wall screen
- Look at the online monitor. If not open yet, use this link red.
  - o Look at the Profiled FFT and Profiled RMS by WIB of the APAs taking data.
  - o In case of a noise run ongoing or just concluded, take a screenshot of Profiled FFT and Profiled RMS by WIB of USRaS (APA3) and post it in the elog.
- Review DQM plots. If not open yet, use this link r.

#### Starting a run

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## Additional tools for shifters

- ➤ The slack channel np04-shifterssistant has been created and a chat window is open in one of the Control Room computers. It is a first, quick way for the shifter to communicate with experts (and the other way around) in case of problems, issues, etc
- ➤ An expert contact list is also being prepared, with a printed version which will be present in the Control Room
- ➤ During beam run, we will also need to have 24/7 on call experts on critical subsystems
- ➤ Both mobile and landline phones for shifters in the Control Room. Looking into having mobile numbers for on call experts as well