

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)

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Welcome to the NP04/protoDUNE-SP Experiment Twiki page

[ProtoDUNE-SP Commissioning Phase and Plans for the Run](#) - 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*

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.

Shifter calendars

NP04 Detector and Cryogenics

- [protoDUNE-SP Installation/Test/Integration](#)
- [protoDUNE-SP Cryostats](#)
- [protoDUNE-SP CPA/FieldCage/HV](#)
- [protoDUNE-SP Cryogenics](#)

Offline Computing and Software

Calendar pages

<https://docs.google.com/spreadsheets/d/1JbyYU81dtkftmfXfGN1iFFXWXVgmi2YjhHlrvHa5uY/edit?usp=sharing>

	Wednesday August 22nd	Thursday August 23rd	Friday August 24th	Saturday August 25th	Sunday August 26th	Monday August 27th	Tuesday August 28th	Wednesday August 29th
08:01 - 8:00								
9:01 - 13:00		Kevin	canceled	CERN	Kevin	canceled	CERN	Flor
		Pablo	Bryan Ramson	canceled	Miguel Garcia	Bryan Ramson	canceled	Anselmo
13:01 - 17:00		Flor	canceled	CERN	Kevin	canceled	CERN	
		Pablo	Sarah Lockwitz	canceled	Miguel Garcia	Sarah Lockwitz	canceled	

- 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/18SrOOlCAMsSO2vGnsJQzY27RSdBID02u0F5MIOHFPe4/edit?usp=sharing>

				August				September							
				22-Aug-18		29-Aug-18		5-Sep-18		12-Sep-18		19-Sep-18		26-Sep-18	
				28-Aug-18		5-Sep-18		12-Sep-18		19-Sep-18		26-Sep-18		3-Oct-18	
Date	Hour	E.S.	S	E.S.	S	E.S.	S	E.S.	S	E.S.	S	E.S.	S	E.S.	S
Wed	16:00-24:00	1 - CERN	canceled	6 - IFC-Valencia	7 - Houston/Hikhet	9 - KSU	10 - LBNL	12 - CERN	13	15 - rikhaf/houator	16 - Campinas	18 - ANL	19 - Vitec		
Thur	08:00 - 08:00	canceled	5 - FNAL	2 - FNAL	8 - Rochester	7 - Houston/Hikhet	11 - PENN /	10 - LBNL	14 - Manchester	13	17 - BNL	16 - Campinas	20 - Yale	11	
	08:00-16:00	3 - BUStory/Brook	6 - IFC-Valencia	5 - FNAL	9 - KSU	8 - Rochester	12 - CERN	11 - PENN /	15 - rikhaf/houator	14 - Manchester	18 - ANL	17 - BNL	21 - Warwick	2	
	16:00-24:00	3 - BUStory/Brook	6 - IFC-Valencia	5 - FNAL	9 - KSU	8 - Rochester	12 - CERN	11 - PENN /	15 - rikhaf/houator	14 - Manchester	18 - ANL	17 - BNL	21 - Warwick	2	
Fri	08:00 - 08:00	1 - CERN	canceled	6 - IFC-Valencia	7 - Houston/Hikhet	9 - KSU	10 - LBNL	12 - CERN	13	15 - rikhaf/houator	16 - Campinas	18 - ANL	19 - Vitec	21	
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Mon	08:00 - 08:00	1 - CERN	canceled	6 - IFC-Valencia	7 - Houston/Hikhet	9 - KSU	10 - LBNL	12 - CERN	13	15 - rikhaf/houator	16 - Campinas	18 - ANL	19 - Vitec	21	
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23/08/2018

- 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 12th – 26th, sign up!!!

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Operations and Shifts

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- [protoDUNE-SP Slow Control](#)
- [protoDUNE-SP Slow Control new](#)
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Offline Computing and Software

Operations page

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

TWiki > CENF Web > RDProjects > DUNEProtSP > DUNEProtSPOperations (2018-08-20, RobertoAcciarri)

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NP04 Operations

- [SHIFTERS RUN PLAN](#)
- [NP04 Shifts](#)
- Run Control (RC)
- Detector Control System (DCS)
- Online Monitoring
- Data Quality Monitoring

-- [DavidGeoffreySavage](#) - 2018-08-09

Shifter instructions

<https://twiki.cern.ch/twiki/bin/view/CENF/NP04WeekShifInst>

➤ Being developed

➤ During beam time, it will inform on which kind of run to takes, which configurations to use, etc

TWiki > CENF Web > RDProjects > DUNEProtSP > DUNEProtSPOperations > NP04WeekShifInst (2018-08-23, RobertoAcciarri)

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Thursday August 23rd - until further notice

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

Shifter Instructions

<https://twiki.cern.ch/twiki/bin/view/CENF/NP04Shifts>

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

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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](#)
- Review logbook. If not already open, link is [here](#).
- Sign in to logbook
- Sign in to Run Control by:
 - clicking on the key logo on the top right corner of the page
 - entering your CERN credentials when prompted.
- If no Run Control window is present, open one by:
 - typing **srv010** on a terminal to connect to the correct server machine.
 - Type **RC** to start the Run Control GUI.
- Make a logbook entry identifying the shifters and current conditions

➤ Being developed, it will be 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
 - Type of run (i.e. Noise, Pulser, Test, etc)
 - 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](#):
 - Look at the *Profiled FFT* and *Profiled RMS by WIB* of the APAs taking data.
 - 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](#).

Starting a run

23/08/2018

Additional tools for shifters

- The slack channel np04-shifterassistant 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