

ProtoDUNE-SP Commissioning Planning

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Detector Activation Preparatory Meeting

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Detector Commissioning Planning

- Defined Planning Periods

- Prior to manholes closed : June
- Cryostat gas purge begins : July
- Cryostat/TPC cool down begins : July
- Cryostat filling begins : ~ early August
- Cryostat filled with LAr : ~ mid-late August
- Beam arrives : end of August
- Beam Running

Detector Commissioning Documents

- Detailed Documentation and Procedures: DocDB#8288*
 - Well defined sequence of steps
 - Prerequisites, condition of other systems
 - WHEN
 - Who (expert, non-expert, expert + helper)
 - How much time is needed
- Bird's Eye View of the full picture
 - Google doc
- Ones that we have in hand (Posted for LBNC meeting)
- Can/should be replaced/maintained by the groups themselves.

- Detector Commissioning teams defined for :
 - High Voltage
 - APA Wire Bias
 - Cold and Warm electronics
 - Photon Detectors
 - Data Acquisition
 - Detector Controls System
 - Temperature Monitoring
 - Purity Monitoring
 - Gas Analyzers
 - Cameras
 - Beam Plug
 - Grounding and shielding

Requested :

Contact person

Expert list

Tasks and procedures

Responses have started

DocDB#8288

Google Doc Spreadsheet

- Created a Google doc spreadsheet into which each system team can enter tasks and plans so that we can allocate time and resources for installation and commissioning tasks for each system.
- System contact person has edit permission
- Anyone with the link can view; will send to the mailing list for this meeting