

(Tentative) Run Plan

ProtoDUNE-SP DAP Meeting
September 20th, 2018

Time available

- 35.5 beam days (Wednesdays excluded) divided in 3 time slots:
 - 12.5 days from Thursday September 20th to Wednesday October 3rd
 - 13 days from Wednesday October 10th to Wednesday October 24th
 - 10 days from Wednesday October 31st to Sunday November 11th

Tentative Plan

Thursday September 20th to Wednesday October 3rd

- Cherenkov scan; PD runs scanning different energies → 1.5 day
- +7 GeV → 1 day
- +5 GeV → 2 days
- +4 GeV → 2 days
- +2 GeV → 2 days
- +1 GeV → 4 days

Wednesday October 10th to Wednesday October 24th

- +7 GeV → 1 day
- +1 GeV → 5 days
- +2 GeV → 3 days
- +4 GeV → 2 days
- +5 GeV → 2 days

Wednesday October 31st to Sunday November 11th

- Electron run + any additional hadron runs not taken before

Additional comments

- Given the amount of beam time available, my proposal is to remove from the run plan a couple of beam energies (5 GeV and 6 GeV for instance) to ensure to collect enough data at the remaining energies. For the same reason, I would suggest data taking to be limited to positive runs only
- This plan is by no mean definitive: it will be revised as we take data
- There will be meetings (at least once per week) with reconstruction and offline analysis people to understand the quality of data taken and change the run plan if needed
- From now on priority will be beam data collection: any non urgent test will be postpone to beam off weeks