Status Update EDS

Luke Hendriks on behalf of the EDS team 02.10.2024



General News

- Preparations for second campaign at SLAC in progress
 - Leaving in 1-2 weeks
 - 1st parcel with electronics components shipped and arrived after 3 days
 - Online safety training in progress, in person training in planning
 - FACET is ramping up since Monday
 - Ivan confirmed that we can move our camera to a better position on the dump table

DESY. | Status Update EDS | Luke Hendriks, 02.10.2024

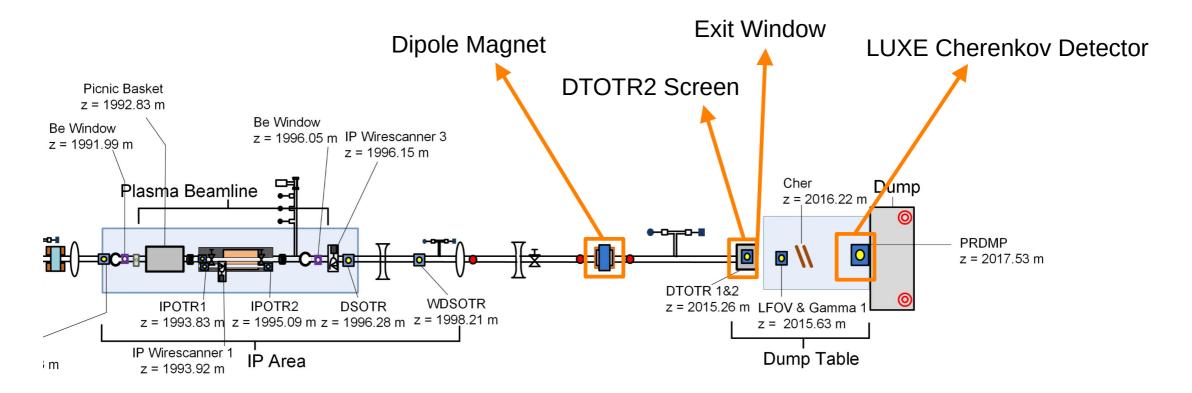
FACET Beam Time Schedule

FACET beam time schedule October December finally (partially) available E320 requested beam time during 'Short Bunch Commissioning', after PAMM October 21-23 Beam Back On! L0 Only Diffuser Commissioning L1 RF Commissioning - Beam to DL1 Faraday Cup PAMM October 8-9 2024 Long Bunch - Narrow Energy Spread PAMM October 21-23 2024 PAMM November 5-7 2024 E300 w. Li oven - Two Bunch Two PAMM November 18-20 2024 PAC Meeting November 19-21 2024 Trying to schedule but not scheduled yet zo

⚠ 1 unscheduled record is hidder

LUXE320 Data Analysis

- Only had a (roughly) mono-energetic beam at 10 GeV
- Dipole magnet fans out electron spectrum after IP
- DTOTR2 screen (before exit window)



LUXE320 Data Analysis

Combining DTOTR2 and Cherenkov data

- Taking into account:
 - Magnification due to dipole
 - Effects from exit window (negligible)
- Black: mean projection onto y-axis of beam spot from DTOTR2 screen
- Colors: Y-scan of straws in FACET coordinates

