NP02 - PD

Progress and Plans

Approved Procedure: Installation, commissioning and operation of the NP02 Photon Detector System

EDMS # 3287089

FLC & PD Team at CERN

Week June 30-July 4 and July 7 - 8

Impact #3

[from remote via DAQ]

- **LED Calibration [PE to ADC] Runs for Cathode Modules** (VGAIN scan, SPE Amplitude - Dynamic Range, Noise studies, SNR,..)
- **LED Calibration Runs for Membrane Modules** (VBias scan, VGAIN scan, SPE Amplitude - Dynamic Range, Noise studies, SNR,..)
  - GOAL: define TWO GAIN configurations: (1) for LowPE (highGain(lowVGAIN)/high SNR/short DynRange, (2) LowGain(higher VGAIN)/max DynRange - for Beam data taking)
- **Take regular data for τ_T monitoring during beamPlug GN2 filling**

Week June 9-16:

Impact #4

- **Beam and BI commissioning:**
  - Beam Trigger-DAQ development/synchronization - PD in DAQ -possibly first H2-VLE beam/trigger expected later today and will be ready to check if signals are detected at beamTrigger
  - If beam available next days of the week: Beam (energy) Calibration ***[PE to GeV]*** Runs for Cathode Modules (e.g. *e-beam energy ramp: (0.5)1-7 GeV*) [from remote via DAQ - possible accesses to NP02 for troubleshooting]