

Status of activities with HRPPD #25 ePIC Trieste Group Meet



Istituto Nazionale di Fisica Nucleare

High Rate Picosecond Photon Detector (HRPPD)

- Photosensor candidate for pfRICH in ePIC EIC •
- ToF (photons produced in HRPPD windows) .
- Ageing studies (Priority exercise)
- Tests in magnetic fields

Performed

- Detector assembling and integration →
- Electrical tests →
- Electrical circuit with primary equipments →
- First signals (W, W/O lights) from Anode →

Ongoing/next weeks

- Signals from single pixels →
- Preparation of optics (ageing tests) →
- Characrerisation









ePIC Trieste Group Meet - 13 March 2025

HRPPD activities in TS lab – Jinky Agarwala

Some results/outcome



Evolution of PC current: during charging up of MCPs upto -670V