International Conference on the Advancement Silicon Photomultipliers

SiPM Large Scale Characterization

Topical group Conveners: Herbert Orth, Nikolay Anfimov

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SiPM Applications

- T2K
- DarkSide
- COMPASS ECAL0
- NICA-MPD ECAL
- ScTiL for PANDA
- Mu2e
- DANSS
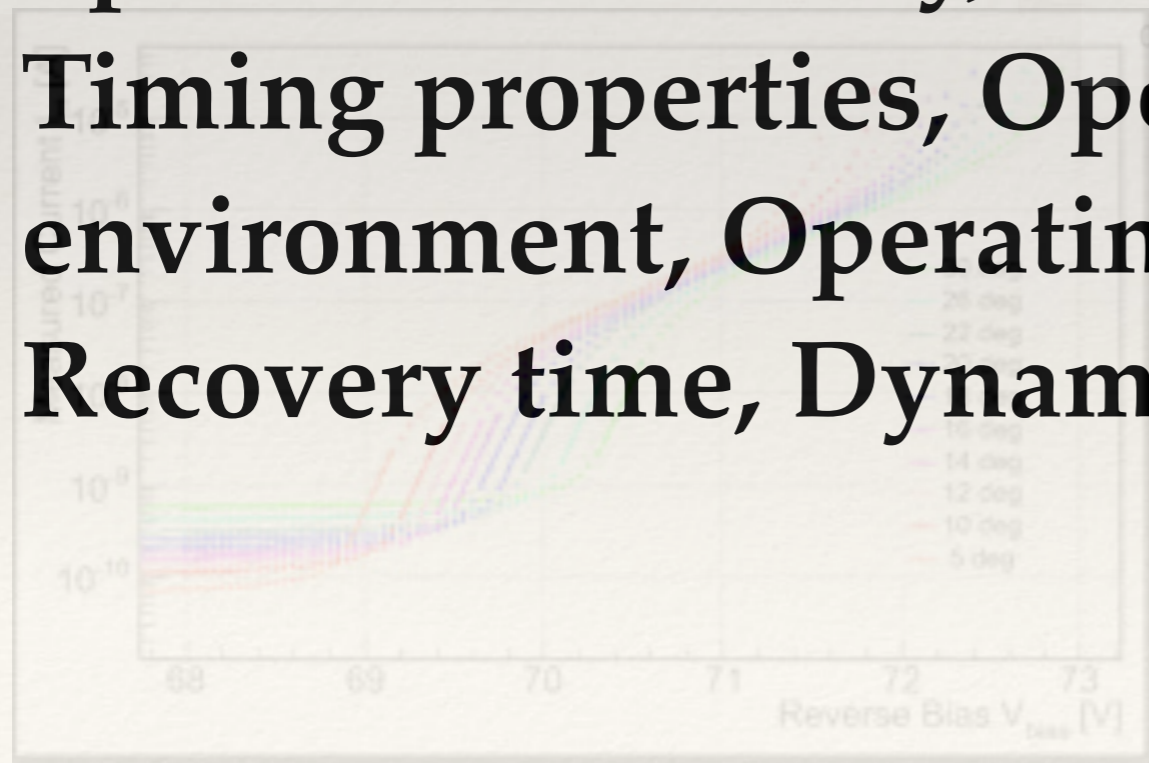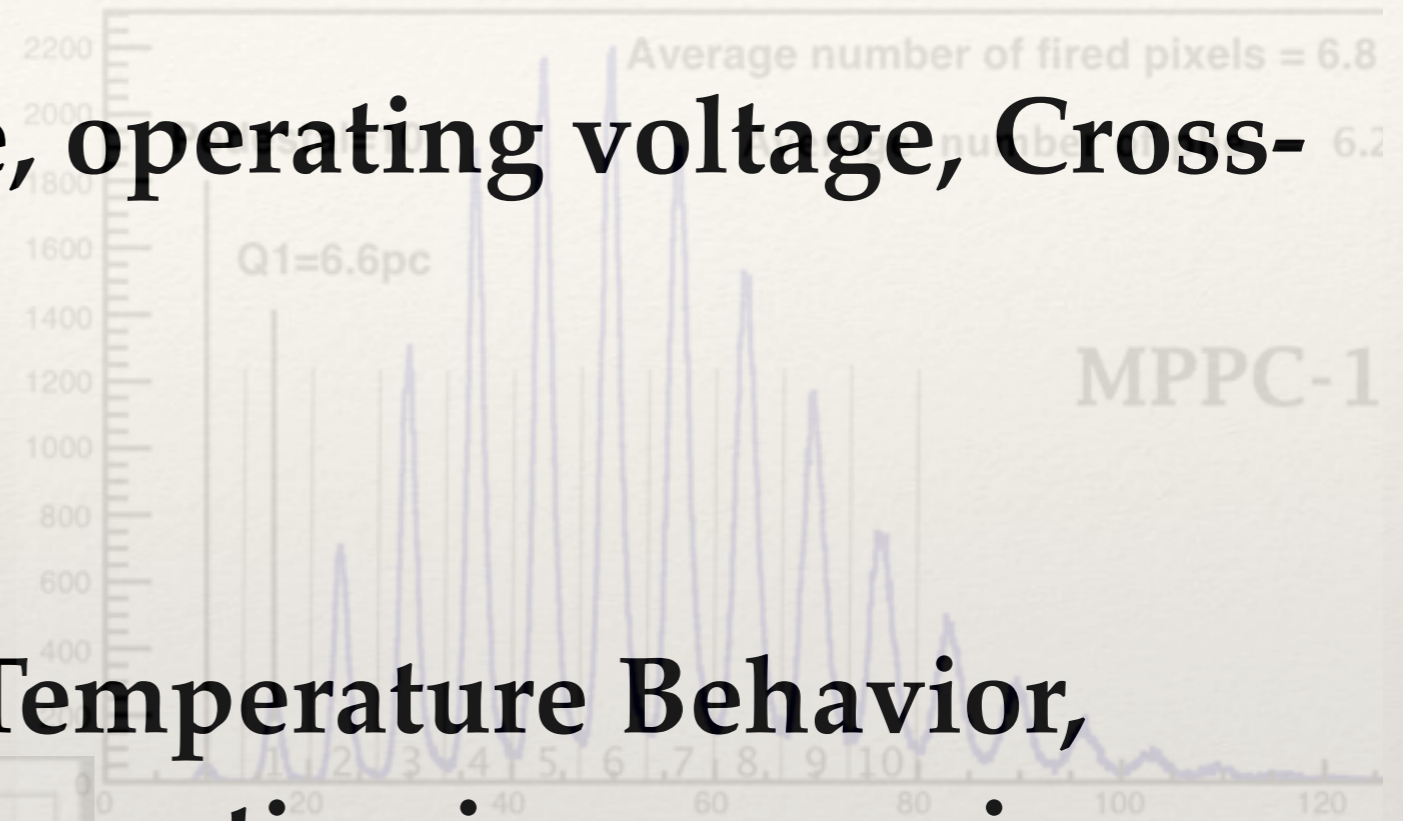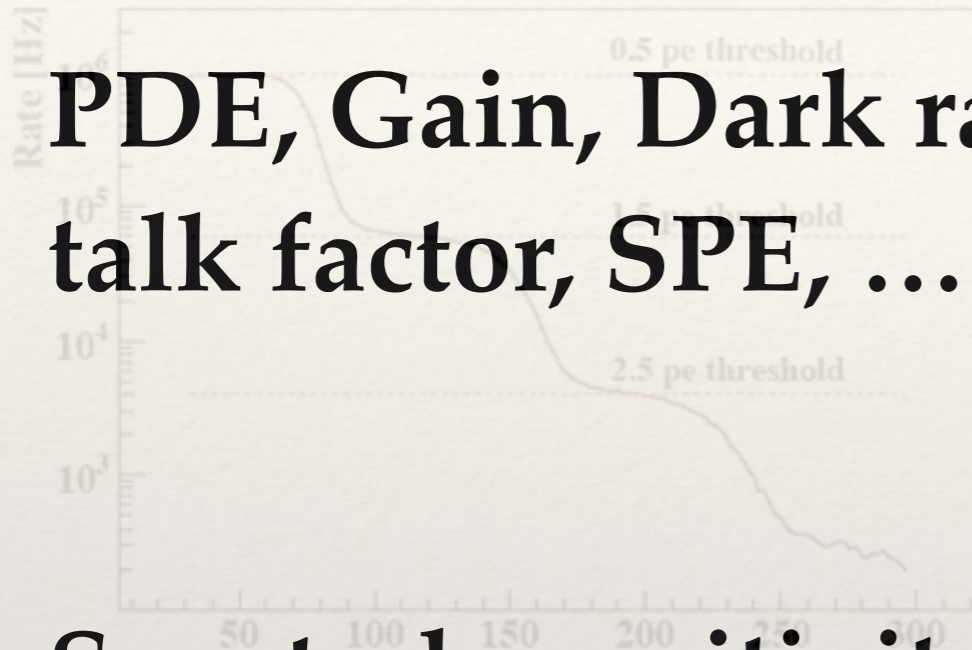- nEXO

- MEG
- AMADEUS
- CALICE
- CMS
- AD
- AStroparticle
- PET-Tomography

Thousands of SiPMs

Parameters

- **PDE, Gain, Dark rate, operating voltage, Cross-talk factor, SPE, …**

- **Spectral sensitivity, Temperature Behavior, Timing properties, Operating in cryogenic environment, Operating in high loads & Recovery time, Dynamic range & Linearity…**
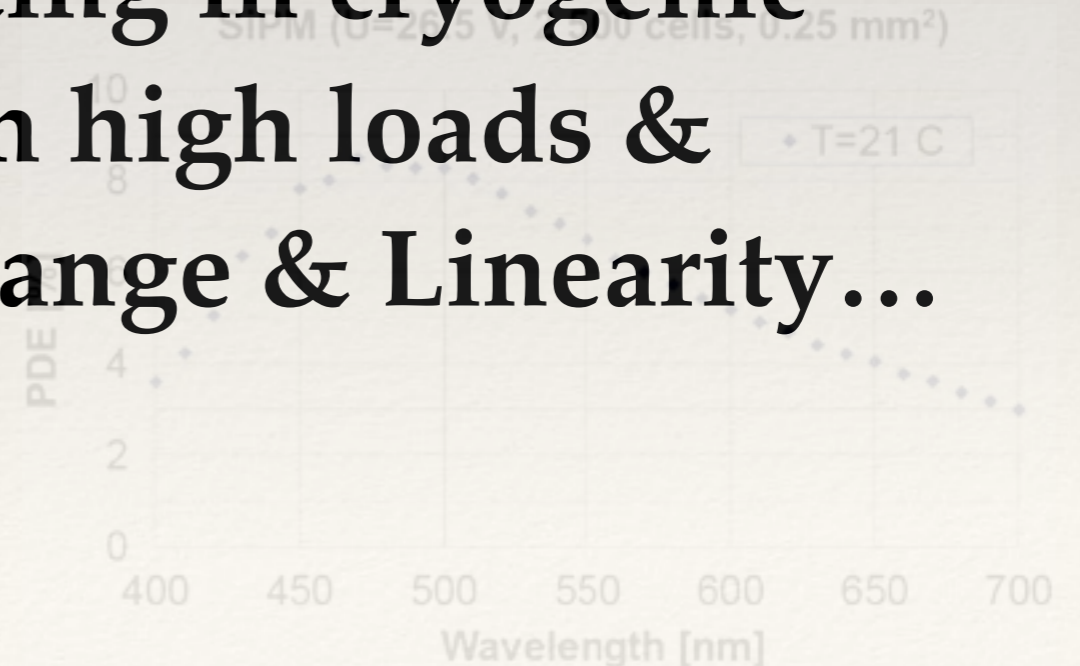
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LSC Topical Group!