

### **High Rate Picosecond Photon Detector (HRPPD)**

- Photosensor candidate for pFRICH in ePIC EIC
- ToF (photons produced in HRPPD windows)

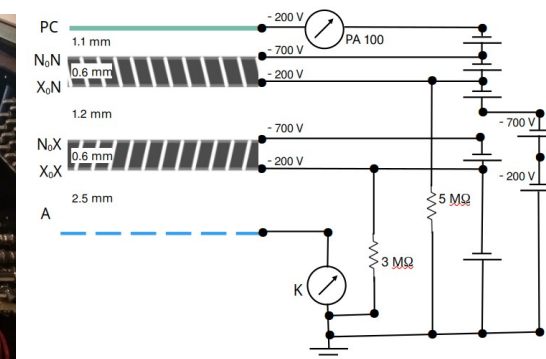
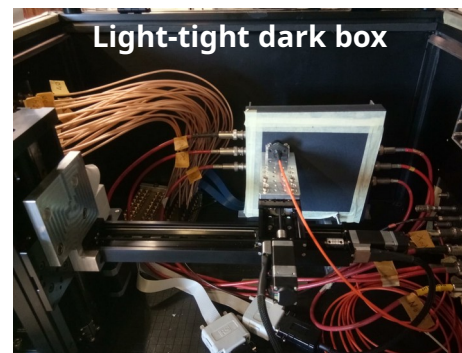
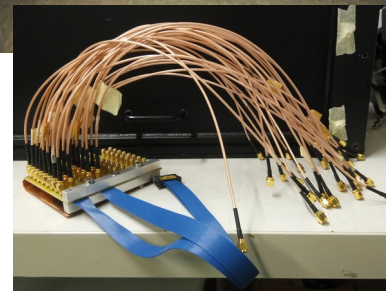
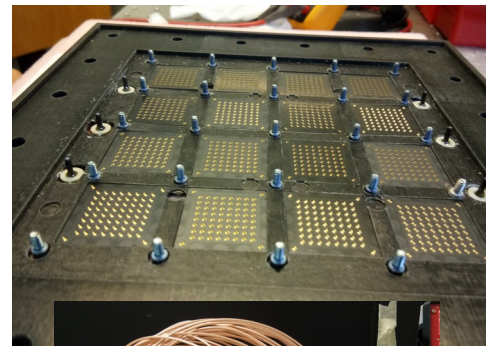
- **Ageing studies** (Priority exercise)
- Tests in magnetic fields

### **Performed**

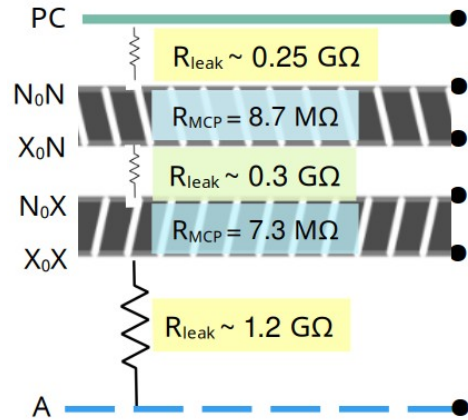
- Detector assembling and integration
- Electrical tests
- Electrical circuit with primary equipments
- First signals (W, W/O lights) from Anode

### **Ongoing/next weeks**

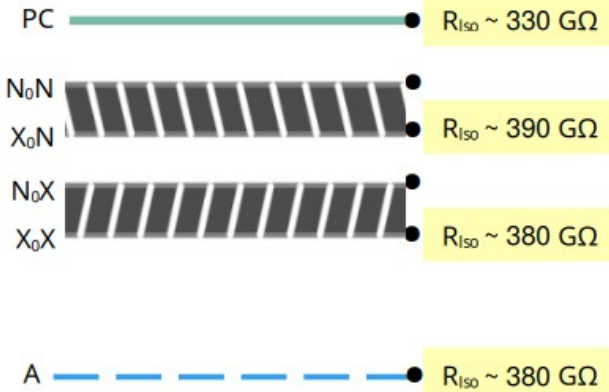
- Signals from single pixels
- Preparation of optics (ageing tests)
- Characterisation



# Some results/outcome

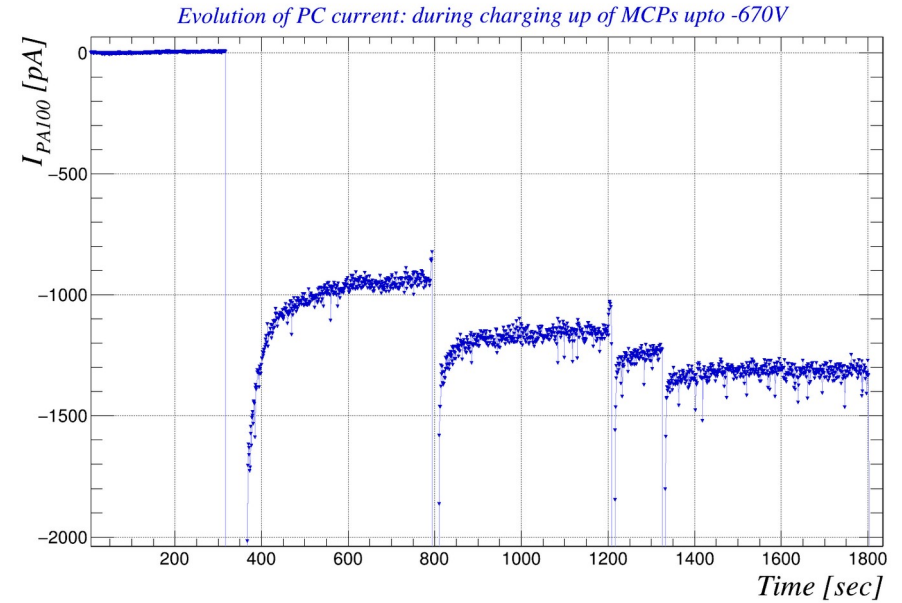


Ohmic leaks



Good isolation  
> 300 GΩ

Circuits are NOT to scale



Light signal – from all pixels

