

Past and Current Activities

- **Strong links with SensL as (nearly) regional supplier and SUPA Detector development**
- **Study variety of devices**
 - SensL 1x1mm², 3x3mm² and 6x6mm² N on P
 - SensL 3x3mm² and 6x6mm² P on N just arrived at PPE
 - 1x1mm² N on P samples from Russia.
 - “home grown” SPAD array with integrated bias supply
 - Plus older arrays from SensL and Hamamatsu.
- **Concentrate on timing, risetime, afterpulsing & waveform**
- **Study coupling to LYSO and CsI**

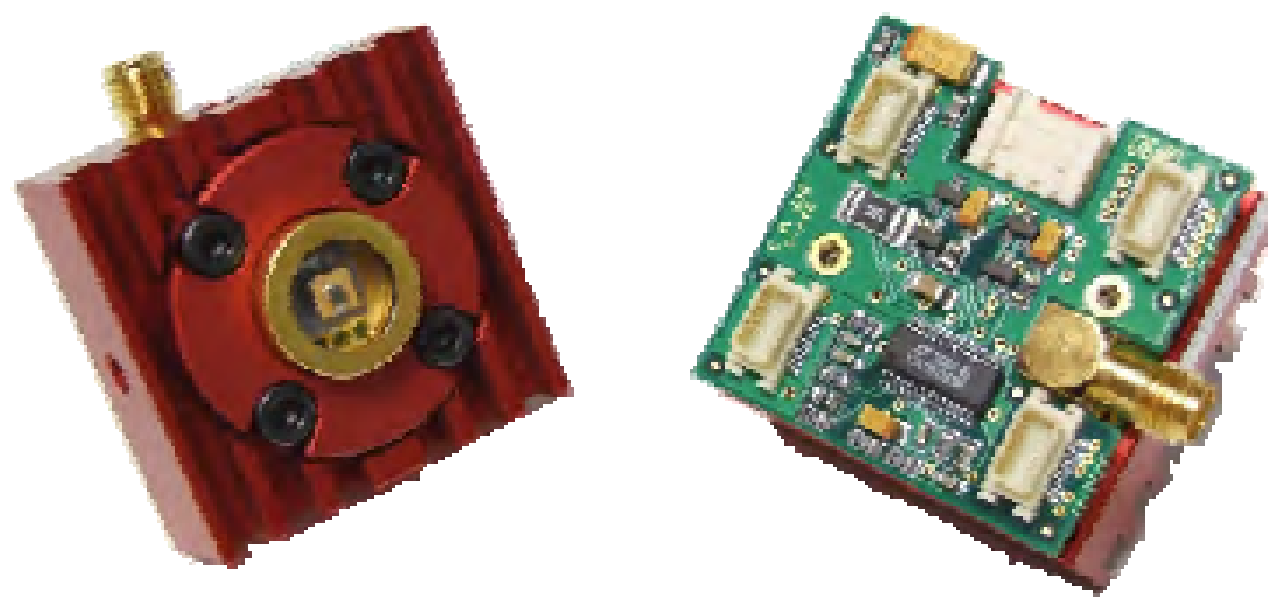


- **Working horse: PiLas Laser system at 635 nm**
 - test position sensitivity
 - recently integrated in to climate chamber

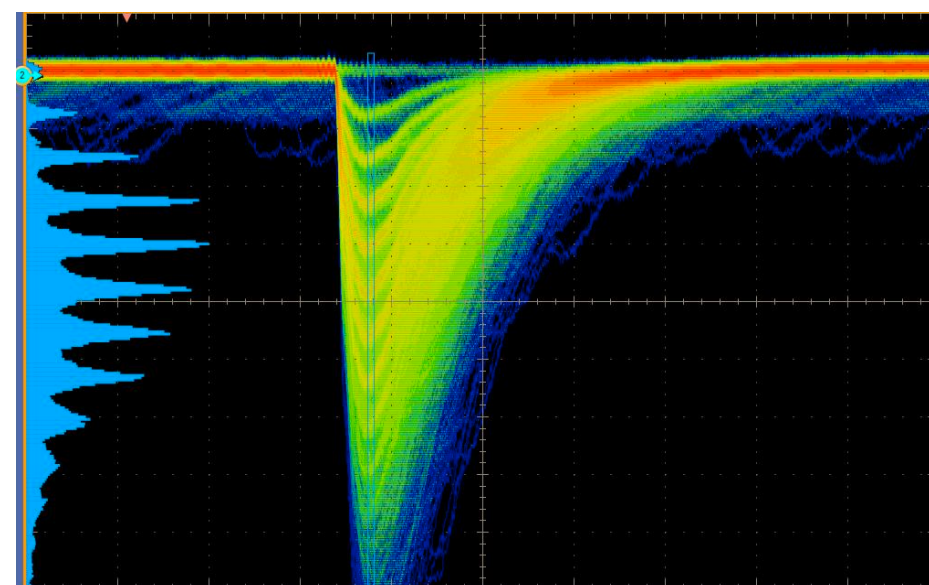
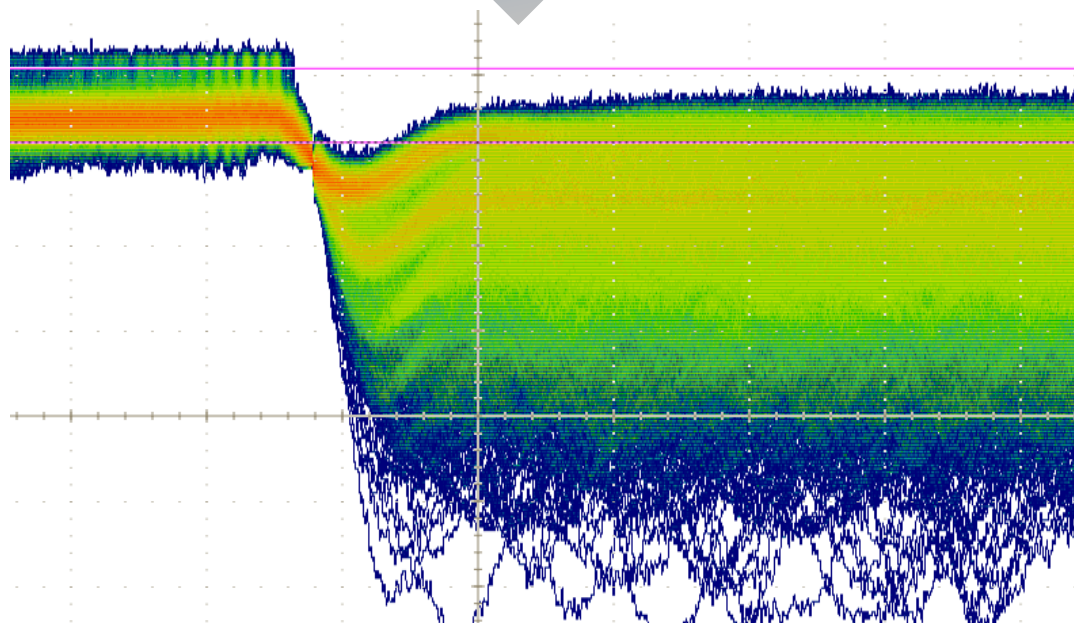
Silicon PhotoMultiplier



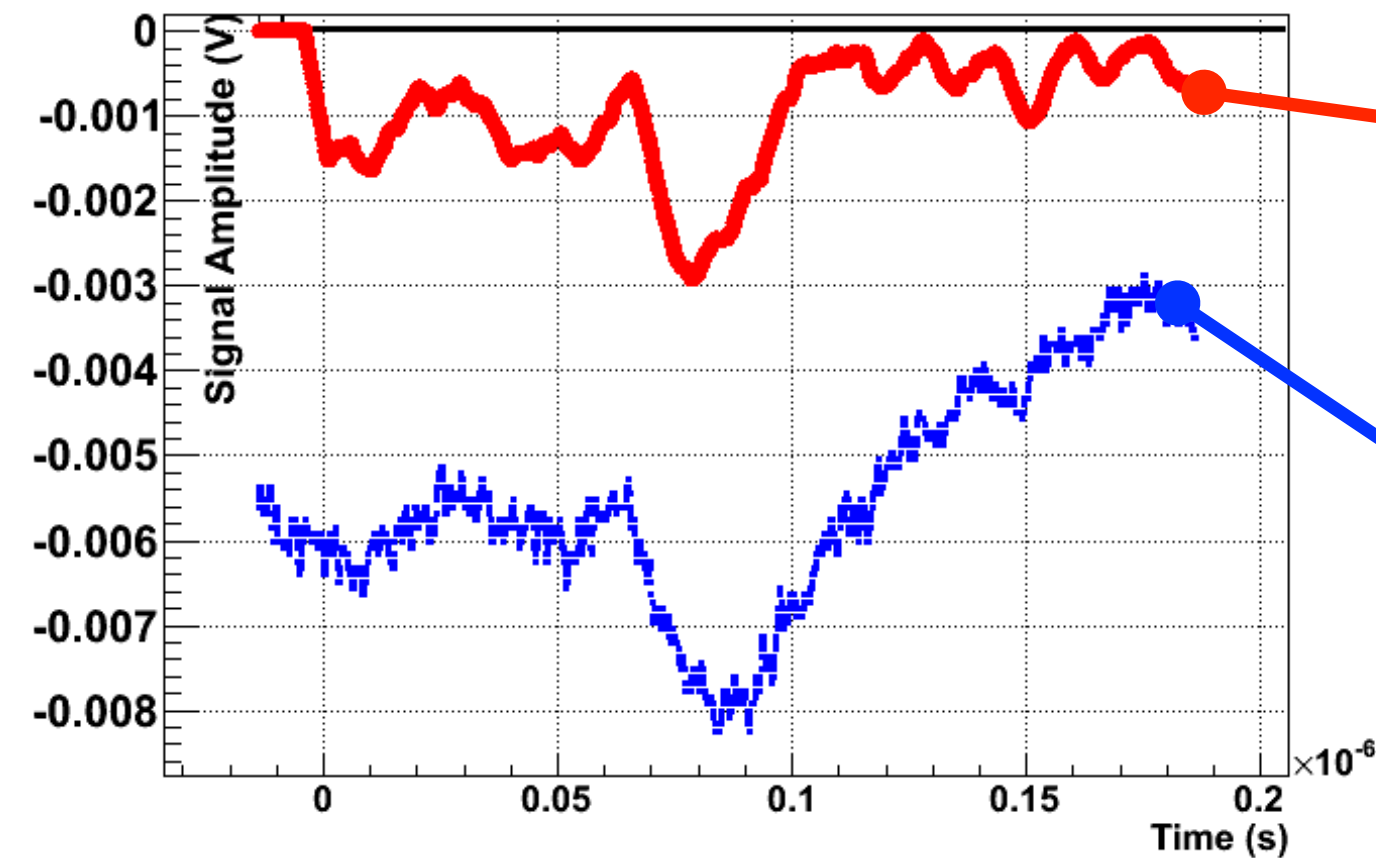
SPMArray4 (SensL)



SPMMini (SensL)



Digital Filters



Moving window technique directly applied to waveform restores baseline and improves resolution

Useful tool for studying detector response

