



APD screening status

Screening status in March:

- 208 series à 20 APDs (4160 pieces) @ $T = 20\text{ °C}$
 - data validated for ~3884 pieces
- 145 series à 20 APDs (2900) @ all 5 temperatures
 - data analysed for ~1600 pieces ->validation in progress

Screening status so far:

- 370 series à 20 APDs (7400) @ all temperatures
 - data analysis and validation permanently ongoing

Reproducibility studies:

- Measurements done
 - taken data sent to Giessen
 - feedback given by Bochum on SeeVogh meeting middle of May
 - reproducibility on the per mill level

QE distributions:

- APD-Lab will participate in Summer students program this summer
 - topic: QE value distribution depending on APD wafer positions
 - to be done for several wafers and LOTs (request by APD users)

PTMS implementation:

- clarification of open questions concerning DAQ-implementation of temperature control system in good shape

Irradiation @ Giessen:

- > 600 APDs transported to Giessen, waiting for irradiation
 - necessary Bias voltages for $M = 100$ sent to Giessen
 - irradiation on hold due to „lacking“ QE values!? -> clarification necessary
 - QE values have to be measured spot-checked before (already done) and after irradiation @ GSI

Pulsed light setup:

- Prototype of pulsed light measurement setup for APD
 - needed support concerning installation/implementation at GSI has been given by APD-Lab already end of 2014
 - no date /plan for installation or testing at GSI known by the APD lab management yet -> feedback needed