

Status of the PXD9 setup at Göttingen

readiness for mass testing support

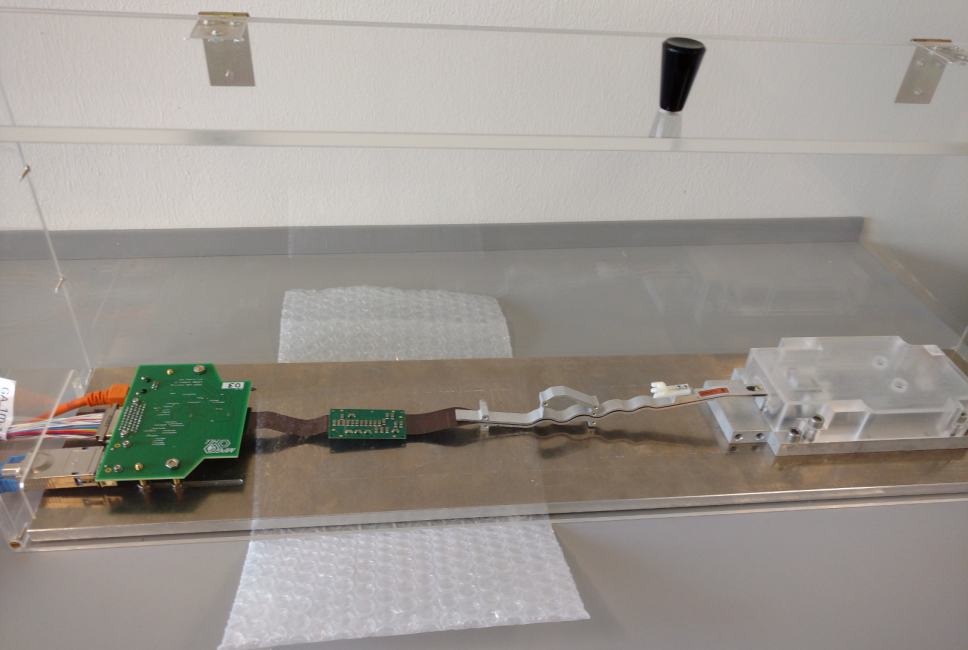
Philipp Wieduwilt, Harrison Schreck, Benjamin Schwenker

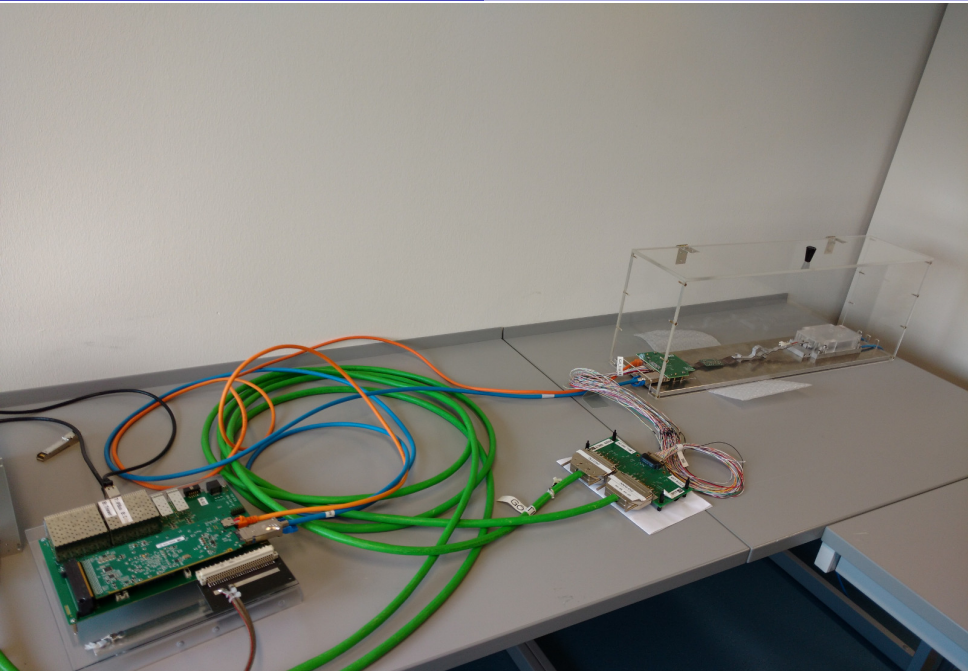
Universität Göttingen

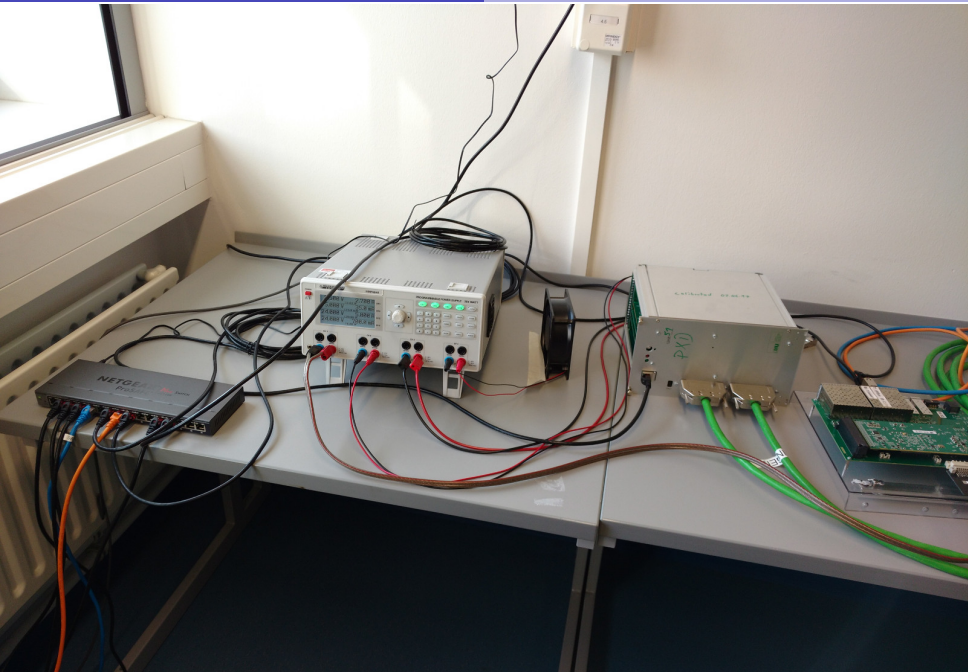
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Hardware

- LMU-PS
 - using unit #51
 - without OVP board
- PS breakoutboard
 - SW_SUB sensing jumper set
 - **Zener diodes between SW_SUB and SW_REF still missing**
(arrived today)
- DHE
 - firmware: 0x116AD80 aka 2017062122
 - as soon as 20170807_1528 is verified by MPP, we will also upgrade

Software

- using automatic startup
- archiver running
- verified automated elog entries
- using UtilityIOC for temperature monitoring and software interlock
- full remote control
except for chiller, planed to be integrated
- have to check EPICS IOC versions, compare to MPP setups

Missing Items / Open Questions

- module storage
 - ESD protected and humidity controlled cabinet necessary?
- vacuum pump
 - to be ordered
 - use plastic clamp, screw, or only vacuum to ensure thermal contact?
- PS
 - use OPV?
 - breakout board Zener diodes: issue identified?
- **grounding**
- lab patch panels
 - discussed with Christian Koffmane, will have at least one to test IF or IB type modules

Source measurements

- setup still has to be approved by radiation safety responsible
 - *will happen this week*
- Sr90 or Cd source availability not yet clarified
 - can borrow from ATLAS group from time to time
 - *plan to order own Sr90 source, but may take some weeks*

Backup

backup