

Module Testing in Bonn

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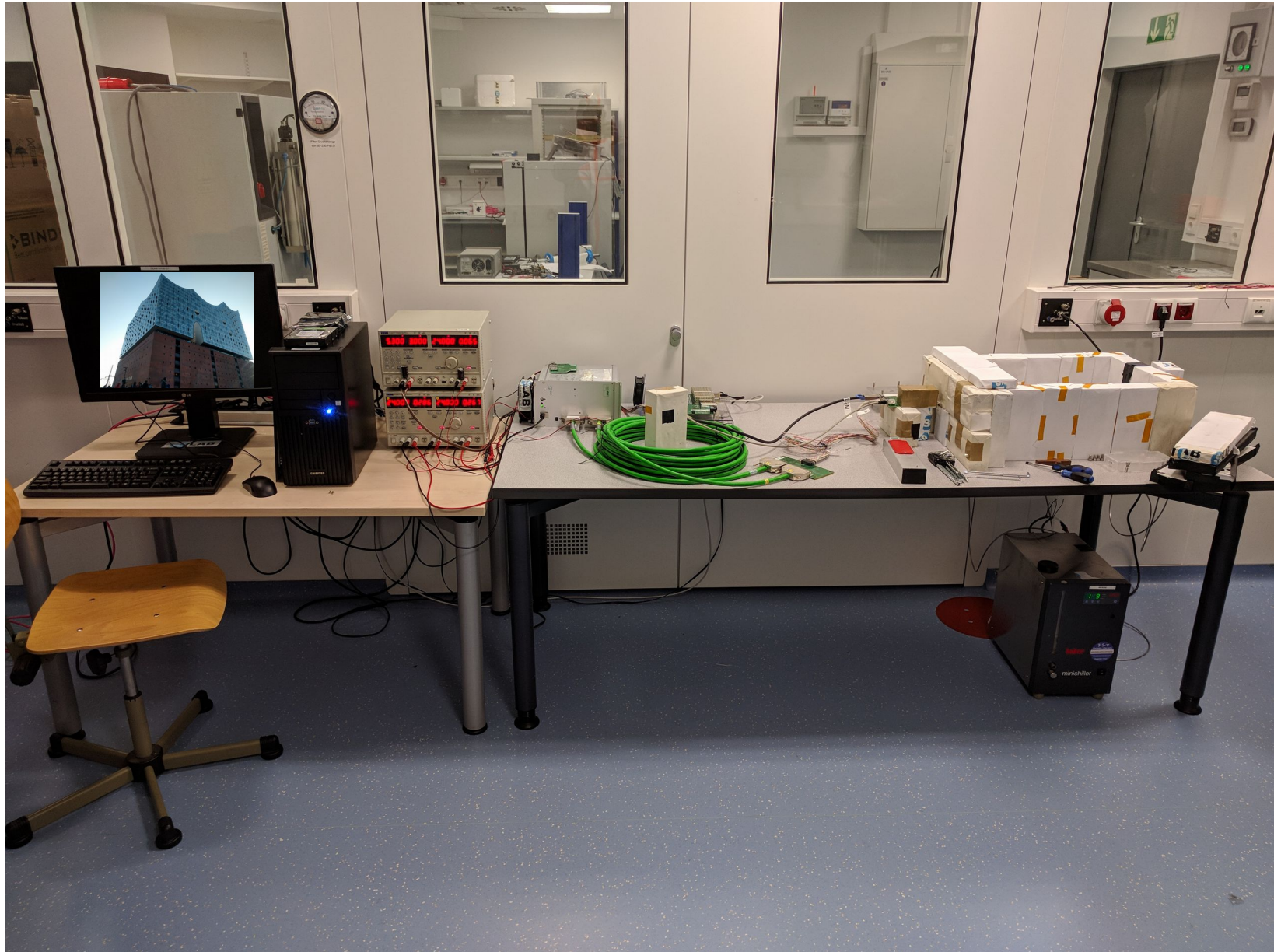
Belle II PXD Workshop at DESY

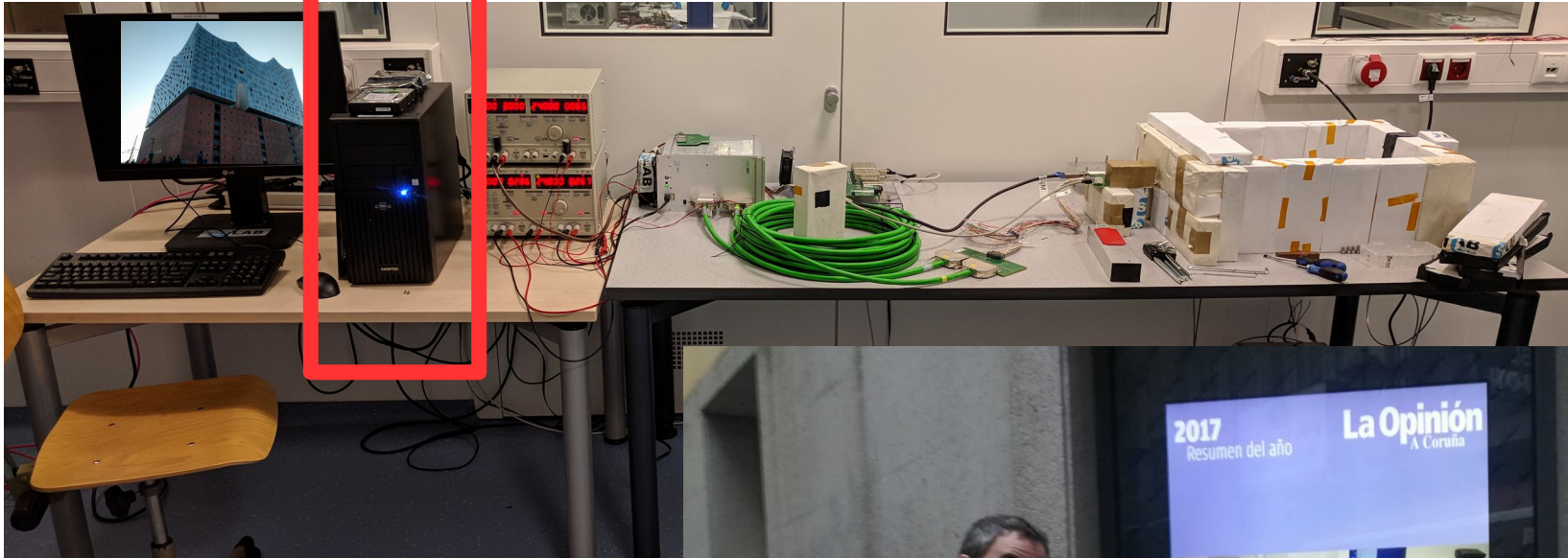
23rd January 2018

DEPFET



Clean Room Setup



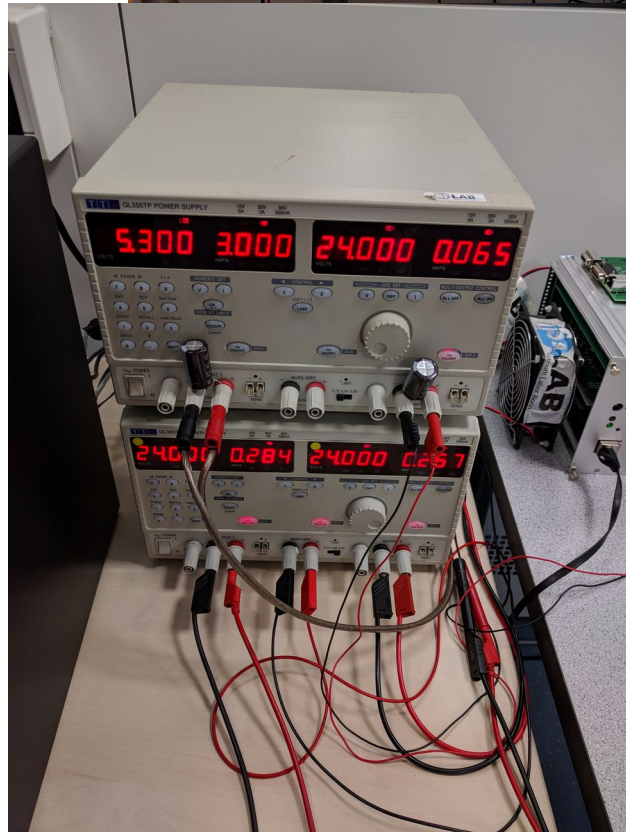
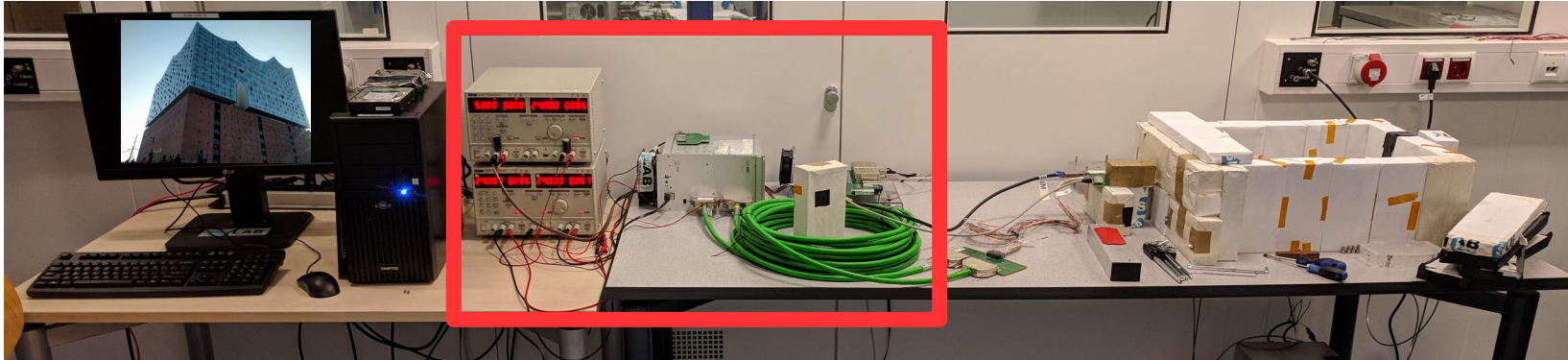


- **PC**

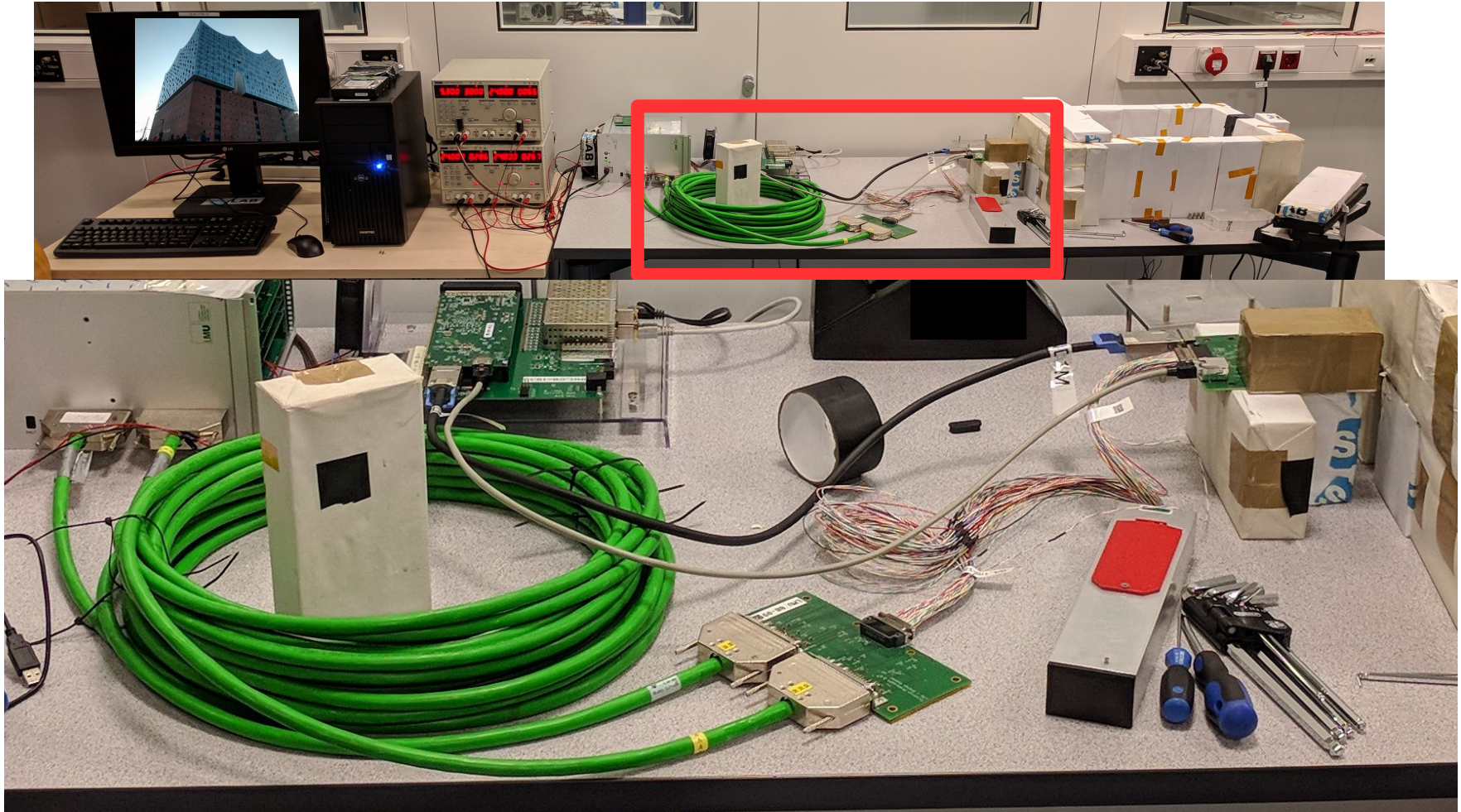
- Runs entire testing framework + EPICS archiver
- 16 GB RAM insufficient
→ being upgraded



Setup PS + DHE

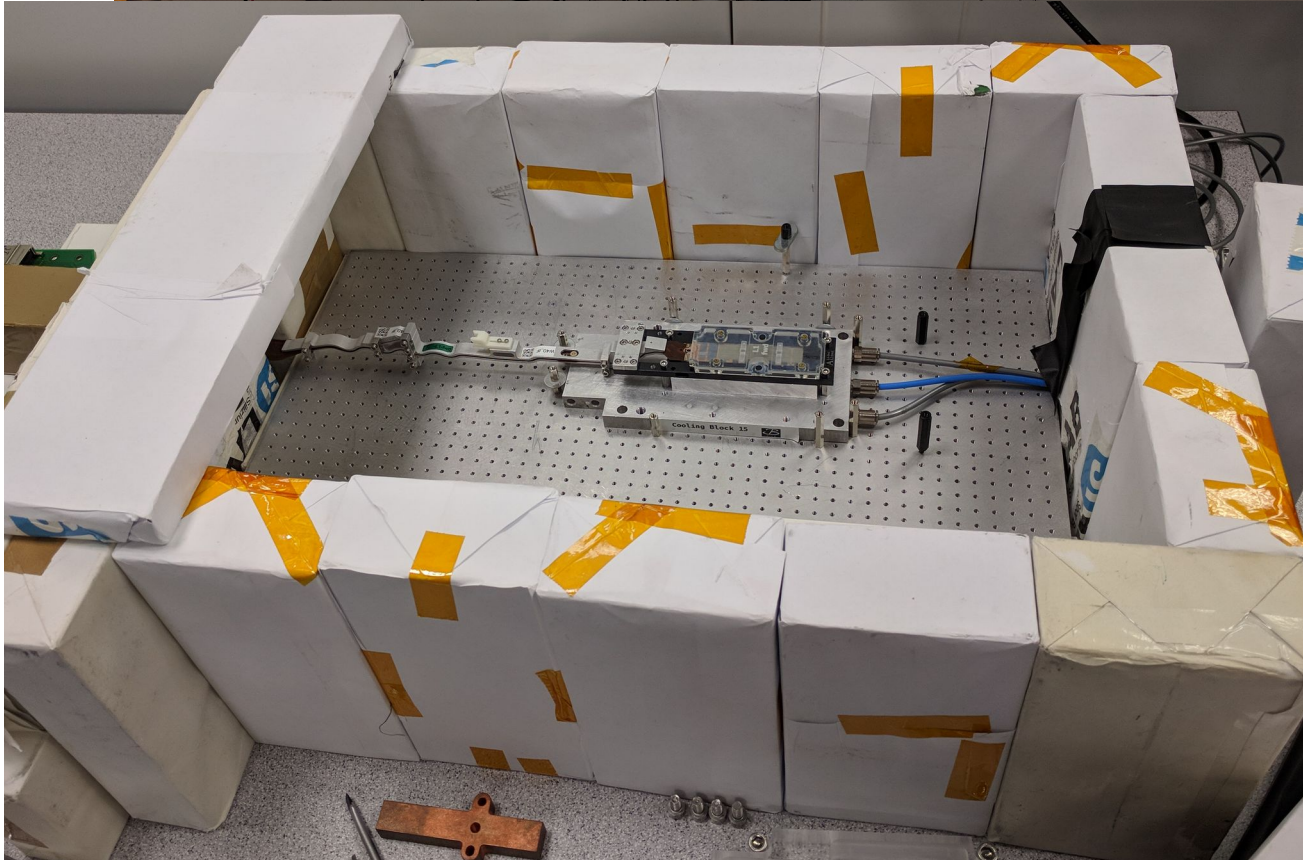
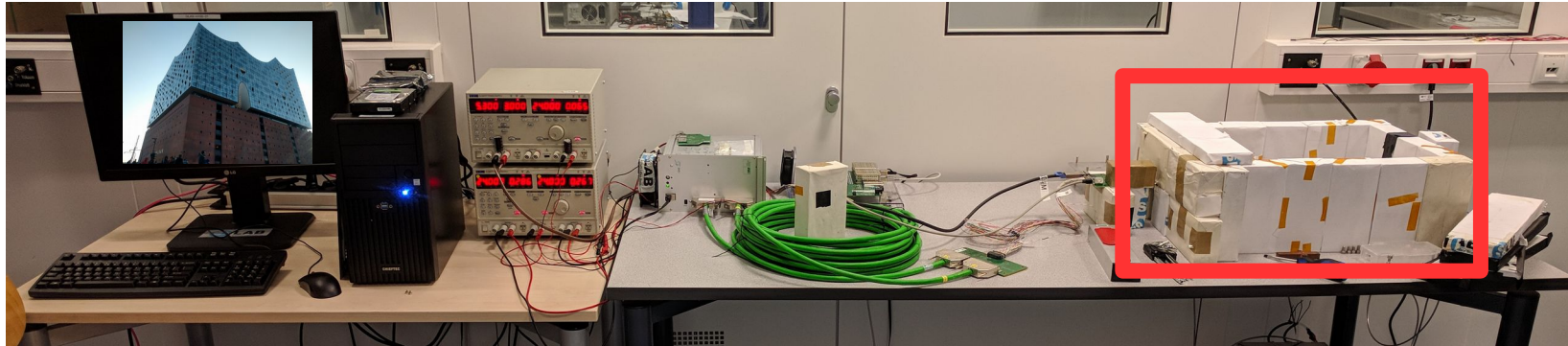


- 2x TTI Bench PS
- LMU PS Unit 15 (preproduction) → replace by production PS
- DHE + DHHCC V.5



- **Electric Services**

- 10 m Power cables
- 1 m Inf+Eth+Glenair
- PS Breakout Board
- Lab Patch Panel, all 4 types (IF/OF/IB/OB) available

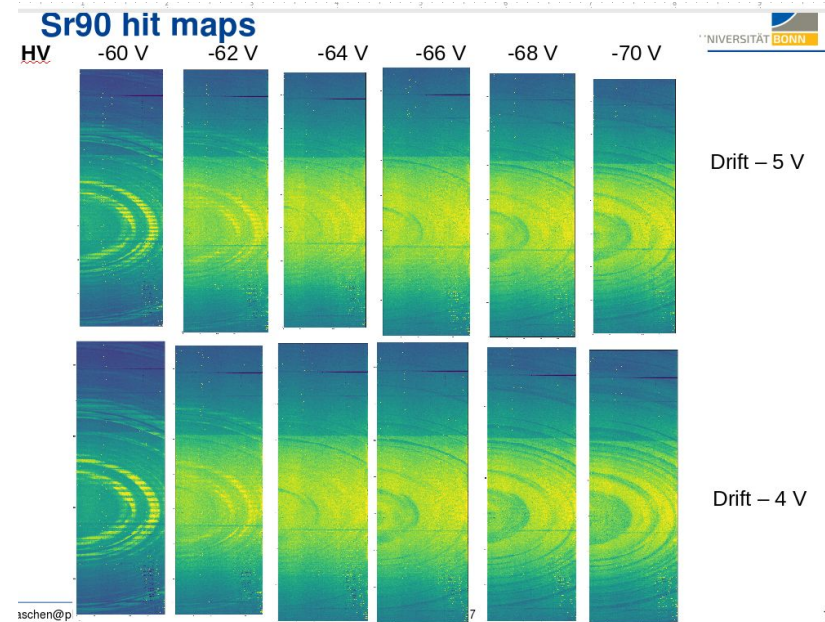


- **Module containment**
 - Aluminum screw plate
 - Lead block shielding
- **Services**
 - Vacuum
 - Water cooling

- **Qualification with OB EMCM** - July 2017

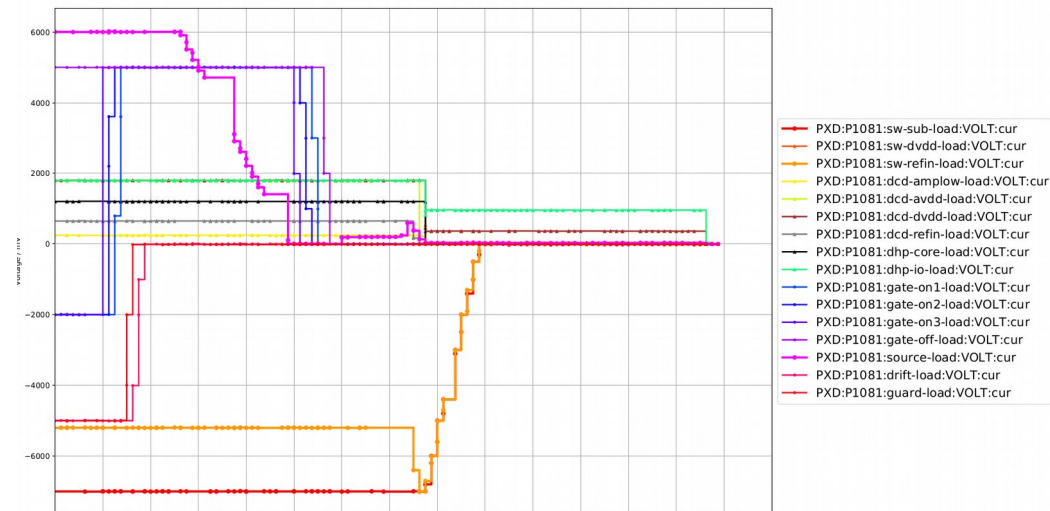
- **W37_OB1** - 20.07.2017 – 03.08.2017

- BEAST module
- Pedestal offset tests
- Extensive source scans
- No ADC optimization



- **W40_IF** - 15.01.2017 – 22.01.2017

- “Guinea Pig” module
- Re-qualification of setup with current testing framework
- PS Sequence testing



- Try to test 2/3 modules during the next two weeks
- Further testing in March
- Modules waiting...

