



PXD Test Beam

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- DESY TB21 with DATURA telescope
- Calendar weeks 45-46 (2nd to 13th Nov 2015)
- PXD Standalone tests (with additional parasitic users)
- New DESY safety requirements:

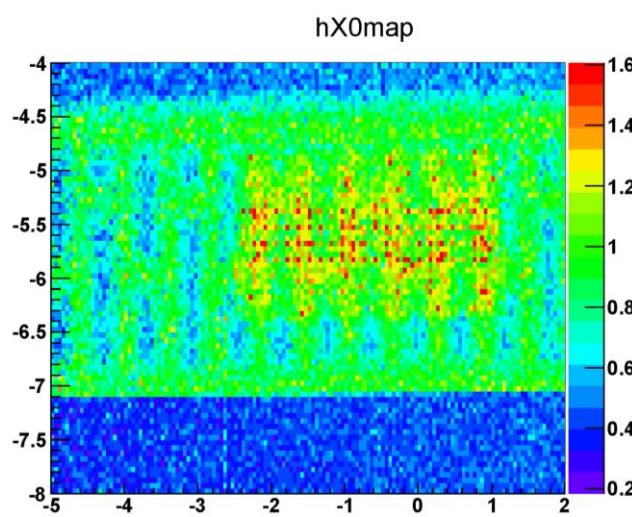
<https://indico.desy.de/getFile.py/access?contribId=7&sessionId=5&resId=0&materialId=slides&confId=10685>

- Indico registration for the DEPFET Test Beam (!)
 - DACHS ID Card on site
 - Safety Course (Mondays 13h00)
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- AIDA TA available

- Material budget investigations on PXD9 sample with ASICs and passives
- H5 with PXD9 small matrix from Pilot Run
- H6 with PXD6 large matrix
- H7 with PXD9 large matrix from Pilot Run (only lab tests)
- Parasitic users

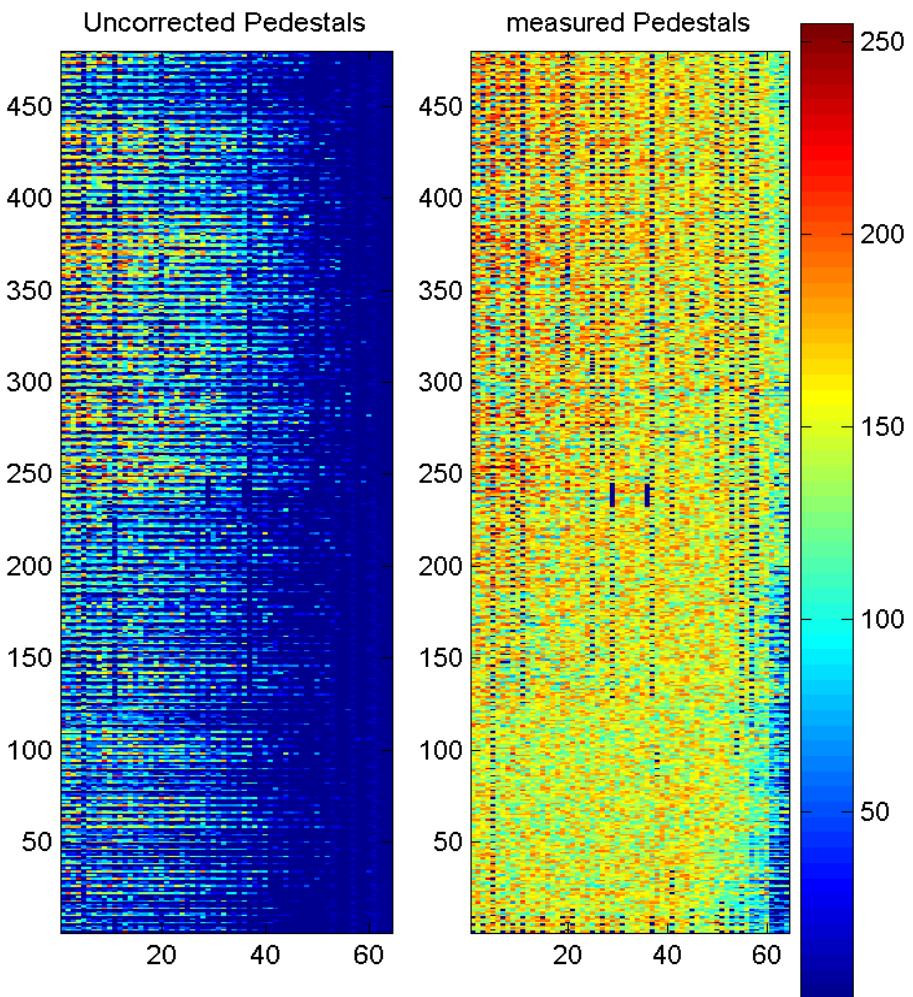
PXD9 Mechanical Sample

- Material budget investigations on PXD9 sample with ASICs and passives





- Hybrid 5 fully populated
PXD9 small Belle II type DEPFET matrix
DCDBPipeline
DHPT1.0
SwitcherB1.8Gated
- DHE and BonnDAQ. Power Supply. Telescope.
- Intrinsic properties final Belle II DEPFET
Resolution, efficiency, noise, charge collection
- System related aspects
Gated mode, sampling point, ...



- DHE and BonnDAQ. Power Supply
- PXD6 - 100.50x100 μm^2 pitch
- 1 DCDBv2/DHP0.2
- 4 SwitcherB1.8G
- Speed: 250 MHz
- DHE and Power Supply
- System related aspects on fiducial areas:
 - 2b DAC compensation
 - Efficiency (timing)

- Sensor, ASICs, PS, BonnDAQ : Bonn
 - DHE: TUM
 - Analysis: Göttingen
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- To Do List:
 - DCD optimization on H5
 - DCD-DHP communication H5
 - Matrix optimization H5+H6
 - TLU-trigger on DHE for H5 (H6)
 - Gated Mode (!)
 - Additional power supply for H6 operation



Thank you

