



7th International Workshop On DEPFET Detectors and Applications

Workshop Summary

- Milestones reached
- Progress reported
- Upcoming challenges

- CO2 Cooling works with CERN's Closed System
- Development of CO2 plant for PXD/SVD established
- BASF2 framework & PXD digitization ready
- Backgrounds (Touschek) seem under control

- New radhard design of DEPFET achieved
- DCDB understood, works to specs
- Flip chipping basically working
- H/W setup for PXD6 tests established:
(piggy back for matrix and ASICs)
- New ideas for ladder fixation (screw, EOS)
- Powering scheme developed, grounding initiated
- DAQ systems on the way of consolidation

- **Sensors:**
SOI material for main production not yet secured
- **Electronics:**
DHP processing @IBM potentially in danger
(delay by 6-12 months)

consequence for E-MCM test:
need to consider 2 step procedure
 - tests of ASICs on sensor w/o DHP (-> DCDRO)
 - add DHP after availability
(looks like „rework“-type of processing)

- Transition from R&D to Production
- PXD-DEPFET Collaboration in good and healthy shape, pleasant atmosphere
- But: need to intensify communication
- More responsibility for the 8 convenors
- Interest of new group to join (DESY)
- Looking forward to an interesting and challenging future