



Summary of our Workshop

- Milestones reached
- Progress reported
- Concerns expressed
- Outsourcing of sub-workpackages
- Decisions, Recommendations



Milestones reached at this Meeting



- CO2 Cooling works
- First thin DEPFETs have been produced
- DEPFET first time in a (strong) magnetic field
- Simulation software close to ready in the new framework
- LVDS signal with pre-emphasis over long lines

- electrical mockup of ladder on a good way
- DCD „high speed“ test chip (TC1) due very soon
- PXD/SVD mockup being realized
- DAQ (ATCA CN) ready for the April test
- DHH Synchronizaion Scheme, ATCA ROI algorithm
- FOS (dummies) available early summer

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- **Sensors:**

Our SOI concept leads to reduced breakdown voltages of back diodes -> improvement necessary

Results on radtests: unexpected increase of threshold voltage at gate voltage of 5 V

SOI material for main production not yet secured

- **Electronics:**

ASICs might be late, Switcher yield, DHP process @IBM ?

- **Cooling:**

need engineering power for development of closed (CERN) system

- Outsourcing of Sub-Work Packages
 - P/S slow control firmware to TUM
 - Grounding of PXD to ITA (Spain)
 - Financed from the common fund
- Power supplies: „off-the-shelf“ solution not feasible, development to be done within the DEPFET Collaboration,
- engineering support in P/S work package from Krakow
- Engineering power needed in the CO₂ cooling sector: who
- Valencia will apply for Belle II membership during B2GM in April