

xTCA working group

M. Hansen, CERN

xTCA Working group?

- What would be the goal?
 - Reduce step in effort
 - Shelf control protocol compliance rather complicated
 - Could allow some interoperability
 - Why not study solutions like lane assignments from others at least for a start?
- Would the uTCA Physics Profile bring a part of a solution?

Three Short Contributions

- J-P Cachemiche
 - MMC Mezzanine development and Status
- Ray Larsen
 - ATCA issues and mTCA Physics Profile
- Greg Iles
 - Example of communication scheme for a HEP experiment in mTCA (CMS)

Discussion Outcome

- HEP xTCA Interest group
- Scope
 - xTCA system design
- Goal
 - Provide readout system architecture examples
 - Limit the relatively high step-in effort in order to let designers worry more about particular design issues and less about the commons
 - MMC (Module Management Controller) reference design, etc

Discussion Outcome

- Communication
 - Marcus' xTCA_news CERN mailing list
- It would be great if CERN
 - Could participate in the finalization of the MMC reference design and compliance verification
 - Could coordinate Crate Specifications

Follow-up

- Report will be written and circulated for review by participants
- Foresee to meet again in the spring 2011