



Online Software Status

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- Recent developments



Recent Developments (1)

•PPM - progress

- New memory model supports old & new MCMs
- New RemFPGA (v5.2) for old MCMs with new memory map
 - HDMC successfully updated
- Ongoing tests with CERN rig (old MCMs)
 - NB four PPMs left with old MCMs
 - Two PPMs with new MCMs (not yet enabled)
- If successful => baseline for mixed system in M4

•PPM - next steps

- Try configuring new MCM (RemFPGA firmware v6.0)
- SW structure to distinguish old/new MCMs automatically
 - Eg based on firmware version
- Stepwise integration of new MCM feature
 - Module services and simulation?



Recent Developments (2)

- **CMX**

- Updates for timing scans and tests

- **CPM**

- Module services and simulation changes ready for testing in the CERN test rig...

- **JEM**

- Simulation changes finished - but not yet committed?

- **L1Topo**

- Markus now working on simulation of L1Topo readout
- Katrin adding more test vectors
 - Plan to create test vector files from ROOT files of events
- L1Topo input/output cables added to testdbsim setup
 - A few problems to be sorted out...



Miscellaneous

• Database

- New script to generate test rig OKS DB files (in development)

• CMT

- L1Calo default version changed to v1r25
 - Actually several months ago but I probably forgot to say so
- In the medium term (~1 year?) CMT will be replaced by CMake

• IPbus

- Updated to uhal_2_3_0 recently

• TDAQ

- Currently using tdaq-05-03-00
- There may be a new release for M4 or M5?
 - Should be no API changes visible to us
 - Mainly for new gcc and LCG versions
- tdaq-06 towards the end of the year (for start of Run 2)