Online Software Summary

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20 October 2014

- Updates for M6 and remaining to do lists
- Software weeks for 2015?

Progress and Plans (1)

- **PPM**
  - Config and simulation for new MCM firmware with second LUT
  - Provision made for pedestal correction
  - Flash loader updated
  - Still to do:
    - PPM ROD simulation
    - Online bytestream decoder for standard/compressed format
      - Neutral decoder is done
    - Updates to COOL database folders
- **CPM/JEM**
  - Added extra CPM test vectors for TOBs
    - Old test vectors aimed at providing multiplicity hit patterns
  - To do
    - How to handle second LUT slope in CPM trigger threshold setting?

Progress and Plans (2)

- CMX
  - Extra registers, scripts for CP system
  - To do
    - Move scripts into cmxServices code and settings into COOL database
    - Complete simulation (including ROD?)
- L1Topo
  - Simulation ~complete
    - Apart from muon mappings and possible change to readout format?
  - Configuration code updated
  - To do
    - Configure ROD?
    - Reading/publishing of status?
    - Compare hardware readout vs simulation

Progress and Plans (3)

- ## Readout etc
  - Most online bytestream decoders done
    - Apart from new PPM standard/compressed formats
  - Corresponding event dump tools updated
  - To do
    - ROD simulation for PPM (and CMX?)
    - COOL folder changes for new systems and return to oracle
- ## Web monitoring
  - Update/overhaul old "on call" web pages
  - Some things just stopped working with SLC6
  - And lots of histogram links will need updating

Progress and Plans (4)

- Removing obsolete code
  - Propose to remove CMM packages soon
    - Needs some corresponding surgery in cpmTests
  - Also remove ancient gnam monitoring
    - Again needs some minor surgery in ppmTests
  - Any objections?

Future Software Weeks

- Plans for the rest of the year
  - 3-7 November (also Atlas upgrade week)
  - M7 cosmics run starts on 24 November (until 8 December)
    - Currently no plan for SW week immediately beforehand
  - Is this enough?
- What about 2015?
  - Expect M8 in February or March due to LHC delay
    - But date not yet fixed (dependent on various unknowns: releases, possible reopening on LAr endcaps, etc)
  - Should have another SW week before that?
  - Eg mid/late January?
  - Avoid or combined with L1Calo joint meeting?
    - The date for which is also not yet fixed
  - Would like to fix some dates before the hostel gets full...