



Online Software Status

Murrough Landon
20 March 2014

- Recent developments
- Simulation proposals
- TDAQ version
- Data quality OKS database



Recent Developments

- **L1Topo**

- COOL database folders defined

- **CMX**

- Progress on timing scans
- Updates to CMX register map (to be debugged)

- **CPM**

- Module services updated for phase 0 firmware changes
- Simulation still to be done

- **JEM**

- Simulation changes prepared
- No changes yet in module services?

- **PPM**

- Software work to be completed by/in SW week of 5-9 May



Simulation Proposal

- Suggestion from Steve for handling old/new system
 - Up to now an ugly empire of #ifdefs
 - Proposal to introduce some new classes for phase 0
 - Eg fast backplane, new Glink/Slink data types
 - Steer choice (per crate) from TDAQ OKS database
- Would mean some changes to work already done
 - But would be a cleaner solution
- Would need coordinated approach
 - Provide new class first, then modify to clients
- What do simulation developers think?



TDAQ Version

- Can we now standardise on tdaq-05-03-00?
 - So far the default code in SVN assumes tdaq-05-00-01
 - Or earlier (tdaq-04-00-01)
 - Need hand editing of java packages to use tdaq-05-03-00
- I would now like to change the SVN default
 - Those wanting to use older releases can still do so but they will have to hand edit the java packages
- Any objections?



Data Quality OKS

- The new TDAQ has a new DQ schema for OKS
 - The old DQMF OKS database comprised over 350 files, 44k objects, 1.5M lines in 68Mbyte
 - It was very hard to maintain, surely contained lots of errors
- Started work to use the new template style
 - Not yet finished
 - But estimate 5-10 files, 350 objects, 20k lines, 700kB
 - Also it should be possible to show stability DQ results for all towers in an layout similar to L1CaloMap
 - Thanks to several emails and extra patches provided by Sergei Kolos
 - Hope to have a first version by M2...