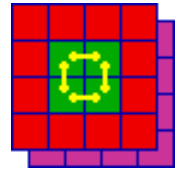


Joint Meeting: Highlights

Apologies for errors and omissions
(ie almost everything)



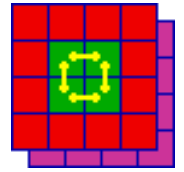
Monitoring and Calibration



- Huge leaps forward since 2010 running
 - This is not a criticism of work done in 2010
 - We had a lot of learning to do
 - Now we're aiming for stable maintainable operation
- Continually improving monitoring
 - Wider group of people involved
- Almost automatic calibrations
 - Still work to do, but we're almost there



Understanding Data

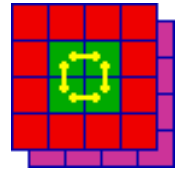


- Again we learned a lot in 2010
- We have the tools to apply this knowledge to new data
 - Quickly (but unfortunately not immediately)
 - Need to migrate more from offline to T0/CAF/online?
 - Think about best strategy for this
- Gradually understanding all the features* of L1Calo
 - MCM quirks
 - Non-standard Calorimeter towers
 - Timing offsets (planned and unplanned)
 - Calibration details
 - Precise performance measurements
- But there'll always be more to understand

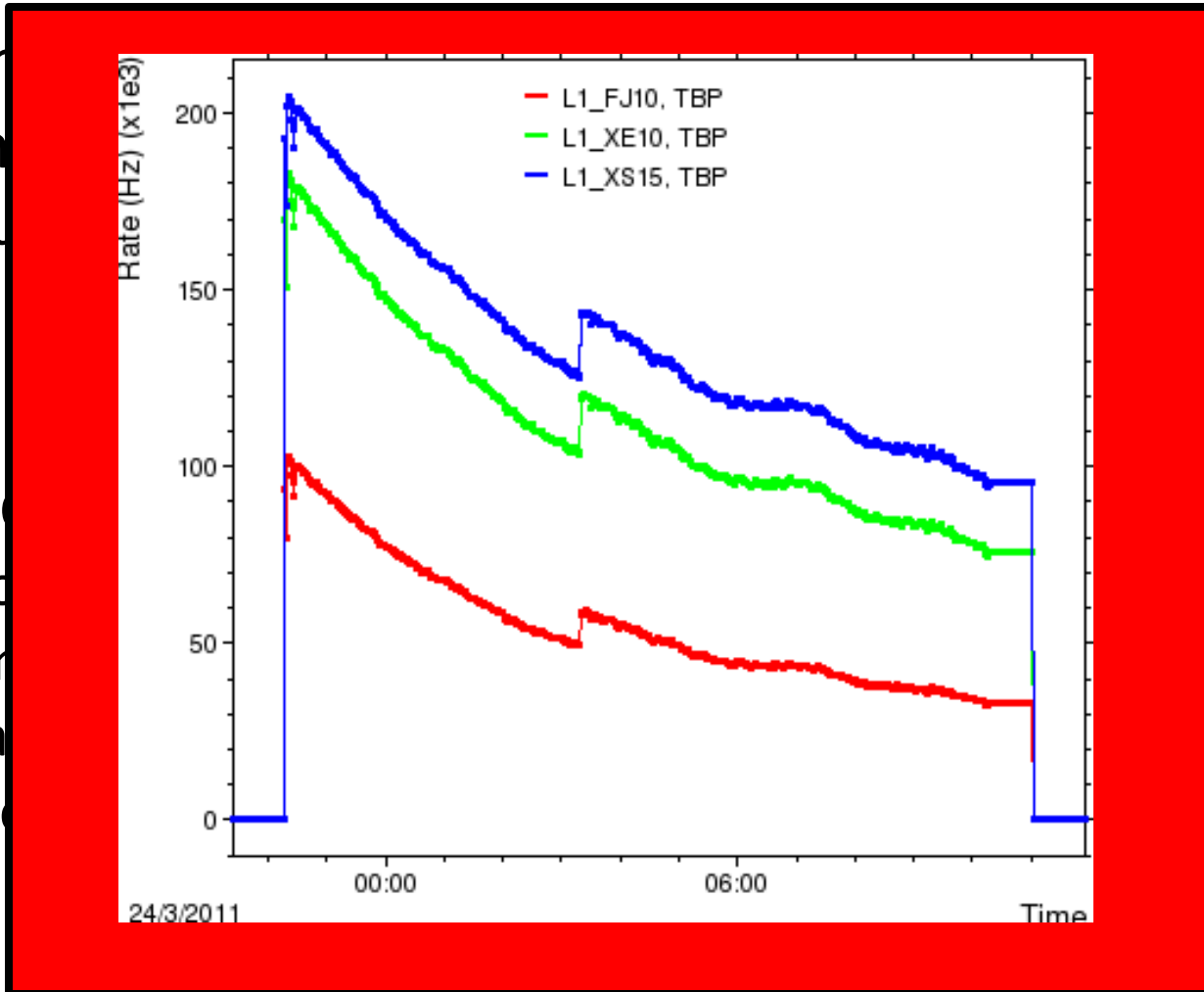
* In the bug sense
and otherwise



Understanding Data



- Again
- We have
 - Quality
 -
 -
- Gradually
 - More
 - No
 - Time
 - Ca
 - Pro
- But t



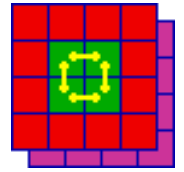
new data

Calo

the bug sense otherwise



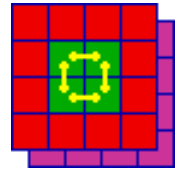
Missing Energy Significance



- Extremely successful implementation
 - Tight schedule
 - Much work for several people in L1Calo and outside
 - Went extremely smoothly
 - Credit to the skills and dedication of people involved
- XS is likely to become increasingly important in 2011 and 2012



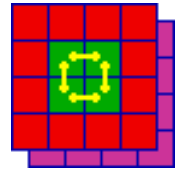
Upgrade



- Hardware is starting to appear
- More projects are popping up all the time
 - Need to prioritize, agree, and schedule
- Reaching the point where formalities start
 - TPs, Reviews, serious funding requests
- Simulation is fascinating
 - It's probably not right yet
 - But it's getting closer
 - Remember the potential cross-over with 'real' data



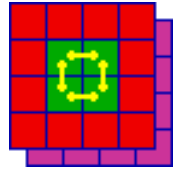
Collaboration



- Has just got bigger
- I hope it is still a ‘small’ friendly project
- On the other hand it’s big enough to worry about organisation
 - Upgrade will get a (deputy?) coordinator
 - Need to think about representation
 - Mostly at Trigger/Trigger Signature Meetings
 - But L1Calo impacts in many areas of ATLAS

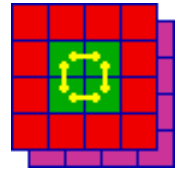


Group Photo

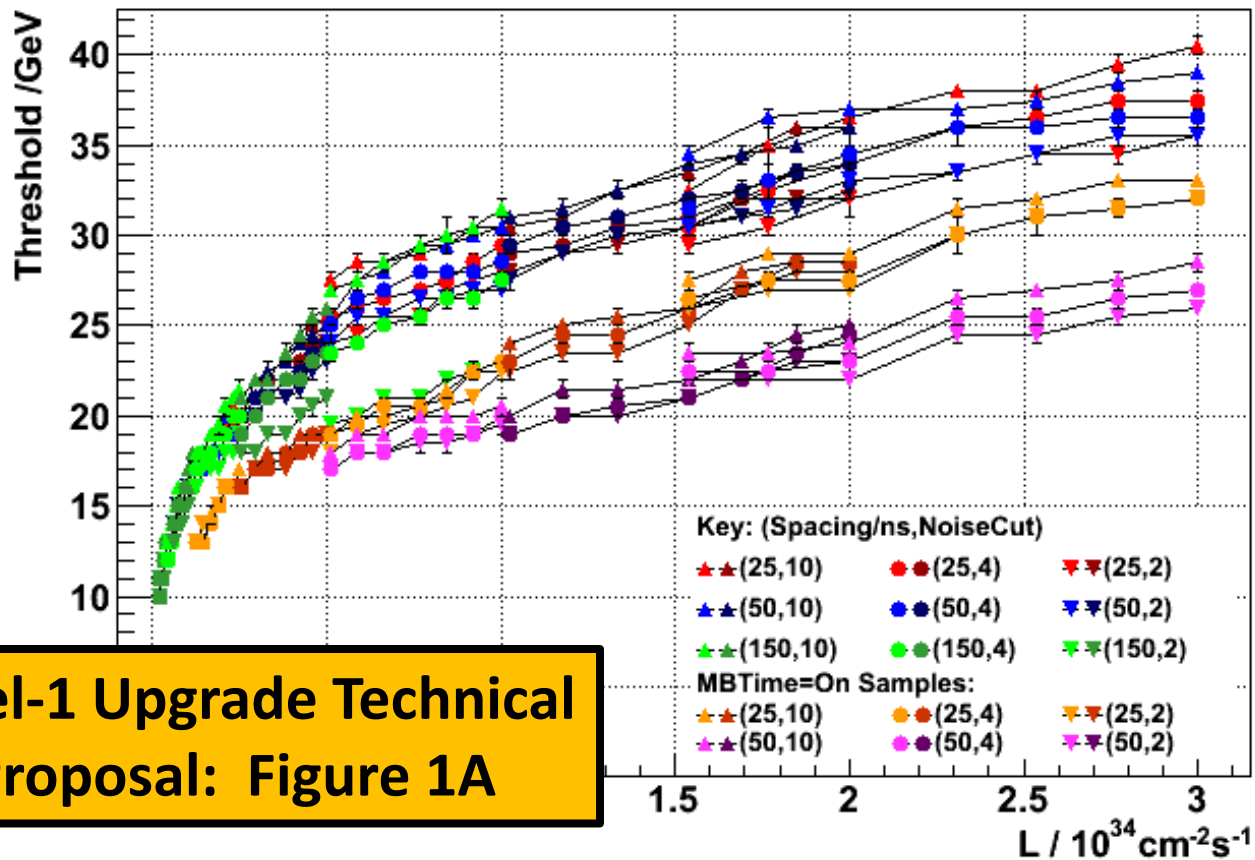




Plot of the Week



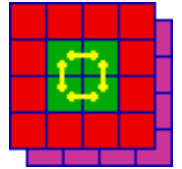
EMI Threshold Vs Lumi for 20kHz rate



Level-1 Upgrade Technical
Proposal: Figure 1A



Many thanks to



- Our guests
 - Diego, George, Chris
- Chairmen
 - Norman, Alan
- But mostly to Mark
 - Ran the show almost single-handedly

