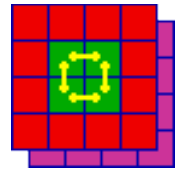




# L1Calo: Main Ongoing Responsibilities



- Cluster Processing system
  - Identifies electron/gamma/tau candidates at Level-1
  - Hardware maintenance, development, support software
- DCS
  - ‘Slow-control’ for hardware monitoring
- Offline software
  - Hardware simulation, data en/decoding
  - Monitoring software
- Online software
  - Control and testing software
  - Online simulation (for testing) and decoding
- Calibration
  - Maintaining calibration reconstruction, analysing, updating
- Shift and on-call duties during LHC operation

Richard  
Juraj  
Steve

Paul

Alan  
Sasha

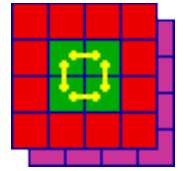
Juraj  
Steve

Juraj  
Sasha

All!



# L1Calo: Upgrade Activities



- LS1 (ie to be finished soon!)
  - New firmware for CP system
  - (Re)testing and integration
  - Major updates to DCS hw & sw
  - Large re-write of all offline simulation
    - Including updates to other parts of system
- LS2
  - Completely new CP system will be built (UK)
  - Birmingham design and commission a dense optical fibre test module
  - Firmware design and testing for upgraded CP processor
  - New online and offline software development
- LS3
  - UK responsibilities still unclear (particularly hardware)
  - Will still need software/monitoring/calibration support

Richard  
Juraj  
Steve

Paul

Alan  
Sasha

Richard  
Terry

Juraj, Steve  
Alan, Sasha