



# L1Calo DB and Monitoring

Murrough Landon  
2 March 2009

- Disabled Channels
- (No) GNAM and COOL
- 
- Executive summary:
  - No OKS information in Athena
  - No COOL information in GNAM



# Disabled Towers

- Monitoring should check for new hot or dead towers
  - But should ideally know what is already disabled
- Towers may be disabled due to:
  - failing automated calibration procedure (one COOL folder)
  - manually disabled as noisy (another COOL folder)
  - region of the trigger manually disabled (IGUI panel -> OKS)
  - calo partition automatically disabled (OKS resource sets)
  - part of the L1Calo hardware disabled (OKS state/disabled)
- Propose yet another COOL folder (not yet done):
  - Update at run start with OR of all the above
  - Should be simpler for monitoring and offline
- Q1: does anyone use the oks2cool archive?
  - Eg need algorithm to reproduce effect of resource disabling



## Disabled Calo Cells

- Trigger tower coverage also affected by calo problems
  - LV or HV off in some region
  - Subset of cells disabled from trigger tower sums
- Not all that information is in COOL?
  - At least some is currently in OKS



## (No) GNAM and COOL

- Long term problem with GNAM and COOL
  - COOL fails to load its plugins when loaded as a GNAM plugin
- Workaround (until recently):
  - Explicitly add additional COOL library in shlib options
  - Seems not to work any more now SEAL is extinct
    - Not yet pursued this latest problem with COOL/GNAM developers
  - Until this is refixed, no DB access from GNAM monitoring
- Q2: does anyone successfully use GNAM and COOL?