CAL Calibrations

FM104 (Bay 0) and FM105 (Bay 4)

- The sequence (calibDAC, calibGEN, muTrg) ran smoothly for Bay 0.
- The sequence stumbled for Bay 4 due to bay index bugs in some scripts.
- Data taking finished Wednesday evening -- ran outputs through Offline calibGenCAL Thursday morning.
- Two classes of output files:
  - ONLINE needs “adc2nrg.xml” and “bias.xml” files.
  - OFFLINE (i.e. rdb metadata database for SAS) needs
    - Peds.xml
    - cilntnonlin.xml
    - MeVperDac.xml
    - Asym.xml
    - Thold_ci.xml

- $LATCalibRoot/CAL/TwoTowers/ReadMe.FirstGrid
Pedestals FM104

New=Grid and Old=SingleBay (always flight TEM/TPS)
Pedestals FM105

New=Grid and Old=SingleBay (always flight TEM/TPS)
Xin reconstructed using these new offline calibration constants.

Red -- old constants, with Pshp asym, and new TEM pedis & gains.

Black -- this week’s stuff.
A 2 MeV upward shift (0.25 MeV/crystal).
Previously noted that we had <11.2 MeV/crystal (SVAC meet 26 March).

Re-processing of ‘105 with new calib.xml’s not ready in time for meeting.