



Calorimeter Calibrations / CPT

- **Calibrations**
 - **History**
 - Original plan used calibrations taken during testing with the EM TEM/TPS
 - Calibrations repeated in the grid as part of SVAC testing
 - We learned that the calibrations taken using the EM TEM/TPS were not applicable to the Calorimeter when integrated with a flight TEM/TPS
 - Since the CPT and LPT did not require calibration, we determined that the single calibration instance as part of the SVAC testing was sufficient
 - NCR 422 was written because of a higher than expected rate from the calorimeter, and during the investigation, the following was determined:
 - The choice was made in the past to save time by running these only once, after installation of the tower in the grid. This NCR has shown that CAL response changes sufficiently when coupled with a flight TEM/TPS to justify running these suites beforehand as well.
- **CPT**
 - Current plan has an interface check when the Calorimeter and the TEM/TPS are integrated
 - For towers after the first two, the first CPT will be when the calorimeter is in the grid.
- **Proposed testing**
 - Perform CPT on the Calorimeter when it is first integrated with the TEM/TPS
 - Perform calibration in the Calorimeter at the same time (calibDac, calibGen, muTrig)