

calibGenCAL V3 status

NEW CALIBRATION TYPES IN V3R0

calib type	produced by	current status
Asymmetry	muonCalib	90% coded, not tested
MevPerDac	muonCalib	100% coded, not tested

NEW CALIBRATION TYPES IN V3R1 OR LATER

calib type	produced by	current status
CI ULD/LAC thresholds	On-line	0%; initially extract from on-line reports, enter into XML; code to do this will be in v3r1 or later; ultimately do in SAS
CI FLE/FHE thresholds	ciFit	Sasha has algorithms for this in IDL, they will be in v3r1

OLD CALIBRATION TYPES THAT REMAIN

calib type	produced by	current status
Pedestals	muonCalib	100% rewritten, tested
Integral Nonlinearity	ciFit	100% for v3r0, but integration with DAC values will be improved from config file to header information. FLE crosstalk fine tuning adjustment (based on preship measurements) in v3r1

CALIBRATION TYPES THAT WILL NO LONGER BE ROUTINELY PRODUCED DURING I&T

calib type	produced by	current status
muon FLE/FHE thresholds	Analysis of muTrig	This correction will be based solely on preship and in-flight measurements. I & T instrument calibration mode will be externally triggered with FLE set to ~100 MeV, making I&T results not very sensitive to crosstalk effect

What features will be in v3r0?

- All the new calibration types
- xml configuration files
- CalResponseSvc has been written to work with them.
- CalRecon & CalDigi have been written to work with CalResponseSvc

What features will NOT be in v3r0?

- Multiple tower calibrations
- Sasha's new FLE/FHE threshold analysis of CalibGen
- Integration with I&T for automatic retrieval of ULD & LAC thresholds
- Independent SAS analysis of ULD & LAC thresholds