

CAL software update Jul 27, 2006

modifications in calibGenCAL

- calibrations for flight gain in high energy diode
 - high energy diode was always calibrated at muon gain - we have to produce also the set of calibration files for flight gain
 - it is necessary for beam test - otherwise energies above 1 GeV won't be reconstructed correctly
- correction to charge injection calibration at low DAC setting
 - charge injection points DAC=0 and DAC=2 should NOT be used - the curve should be linearly extrapolated from few higher points (DAC = 4-12)
- correction for crosstalk from low energy to high energy diode
 - 3-5 % correction
 - effect is changing when low energy diode is saturated - correction is important for test beam
 - test beam is the only case when this effect could be confirmed with real signals (not with charge injection)