

## General HCal Energy Calibration Info

Experiment: gmn, Configuration: 4, Pass: 0

Creation Date: 8\_1\_2023

Target: lh2

SBS Field: 30%

## Elastic Cuts

Global Elastic Cuts:  $bb.tr.n==1 \&\& bb.ps.e>0.2 \&\& abs(bb.tr.vz[0])<0.08 \&\& bb.gem.track.nhits>3 \&\& abs(bb.etot\_over\_p-0.92)<0.2 \&\& sbs.hcal.e>0.01 \&\& bb.ps.e+bb.sh.e>1.7$

W2 mean (GeV): 0.917994

W2 sigma (GeV): 0.167922

dx mean, neutron (m): -0.646099

dx mean, proton (m): -0.646099

dx sigma, neutron (m): 0.073853

dx sigma, proton (m): 0.073853

dy mean (m): -0.024597

dy sigma (m): 0.070624

adc time mean (ns): 1.200000

adc time sigma (ns): 4.350000

## Other Cuts/Information

Minimum Ev per Cell : 100

Minimum Energy Deposited in Cell (factor, vs expectation) : 0.01

Sampling Fraction Target from Monte Carlo: 0.064100

Observed Energy to Energy Sigma Ratio: 0.430000

HCal Active Area (Projected Nucleon 1 row/col Within HCal Acceptance)