Test beam analysis update

Itamar Levy

29/4/2015

Mip calibration with Mouns


MuSignals plane 0 channel 4

| MuSignals0_4	
Entries	10216
Mean	0.5517
RMS	2.534
Constant	1.3e+03 ± 1.7e+01
Mean	-2.0e-02 ± 7.7e-03
Sigma	7.4e-01 ± 6.3e-03
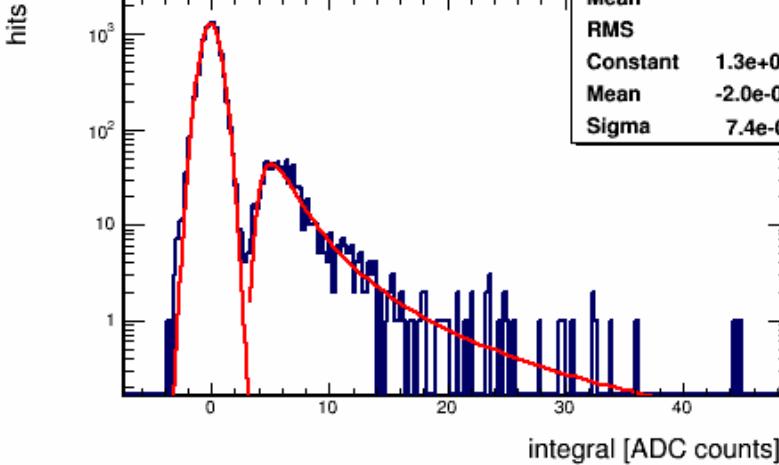
MuSignals plane 3 channel 4

| MuSignals3_4	
Entries	10216
Mean	0.5187
RMS	2.843
Constant	1.1e+03 ± 1.5e+01
Mean	-8.5e-02 ± 8.8e-03
Sigma	8.4e-01 ± 7.9e-03
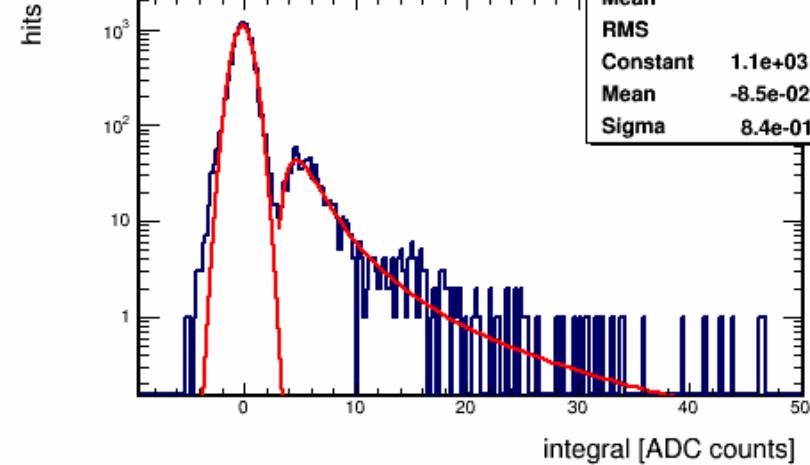
MuSignals plane 0 channel 24

| MuSignals0_24	
Entries	10216
Mean	1.453
RMS	4.888
Constant	9.5e+02 ± 1.3e+01
Mean	9.5e-05 ± 1.0e-02
Sigma	9.5e-01 ± 8.0e-03

MuSignals plane 3 channel 24

| MuSignals3_24	
Entries	10216
Mean	1.575
RMS	5.206
Constant	7.4e+02 ± 1.1e+01
Mean	2.2e-02 ± 1.3e-02
Sigma	1.2e+00 ± 0.0
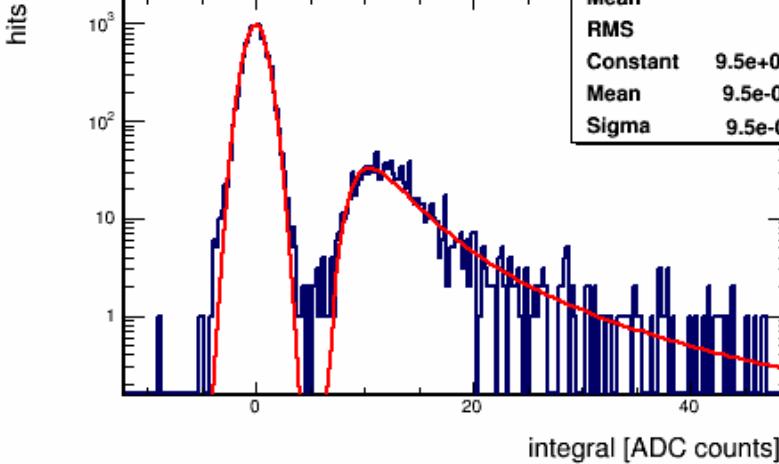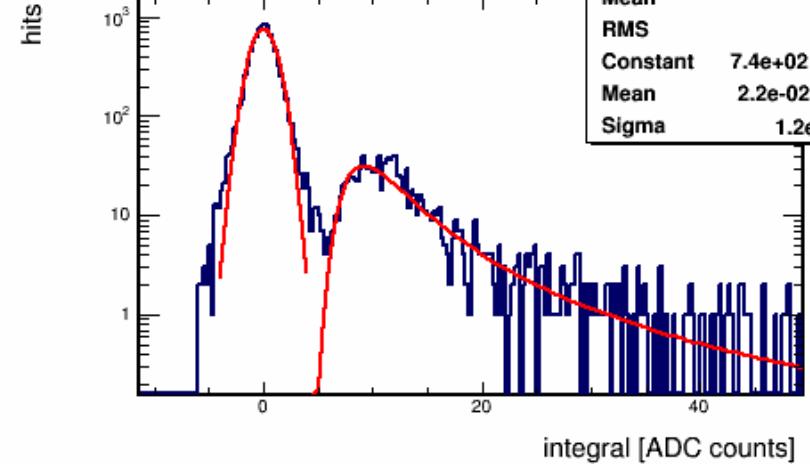
Mip signal and SNR
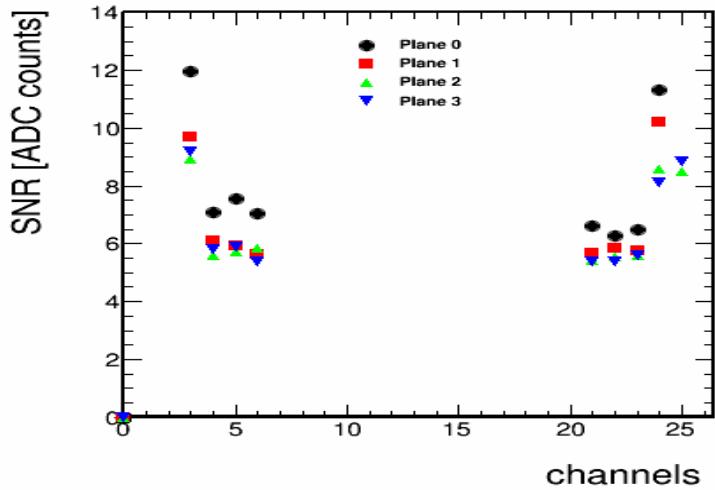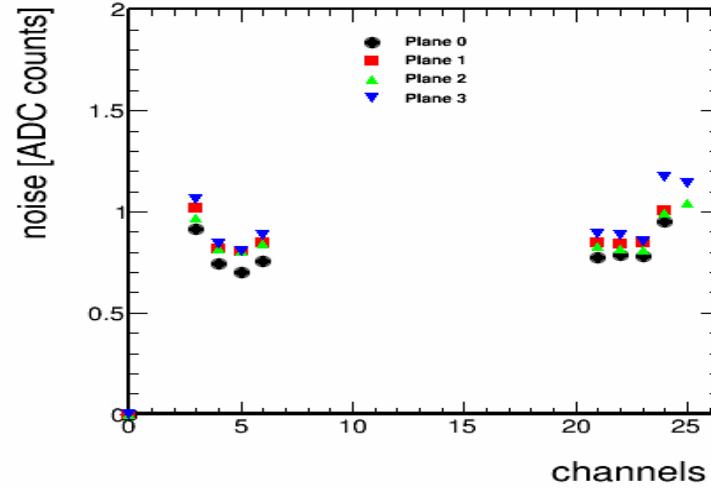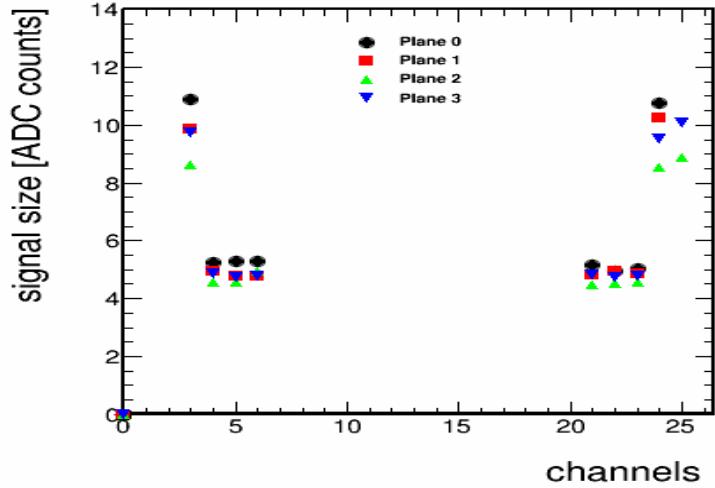
Energy deposit in layer
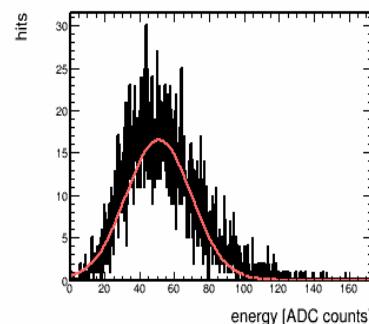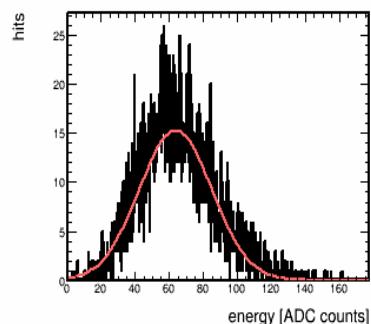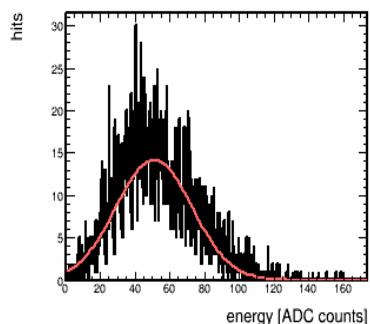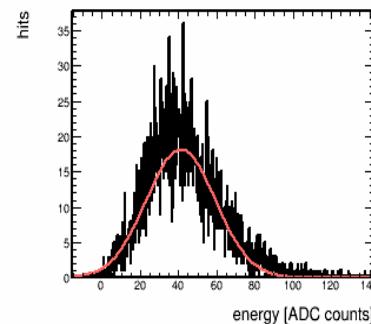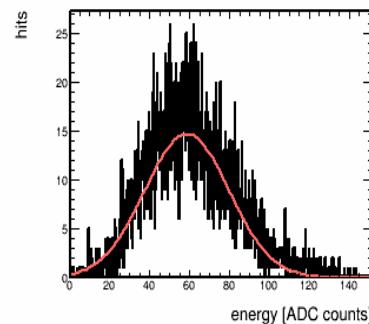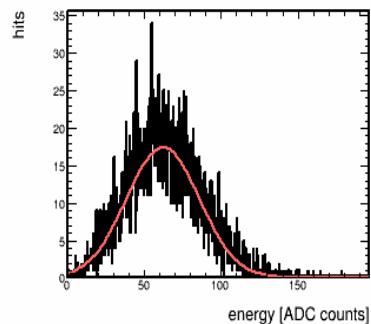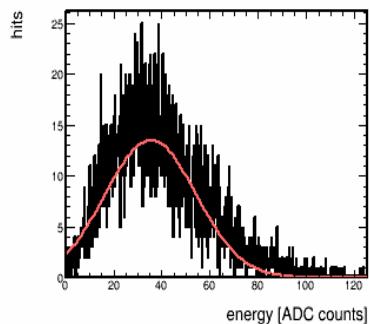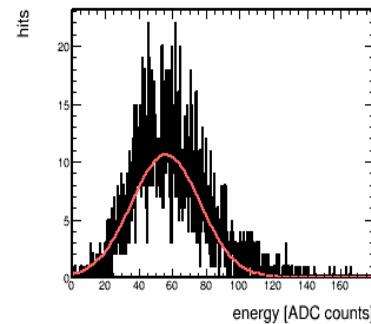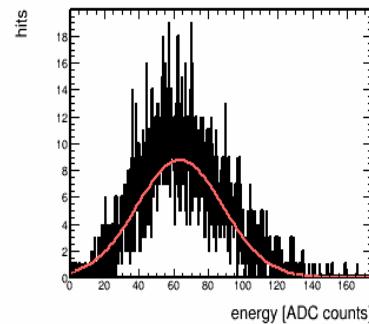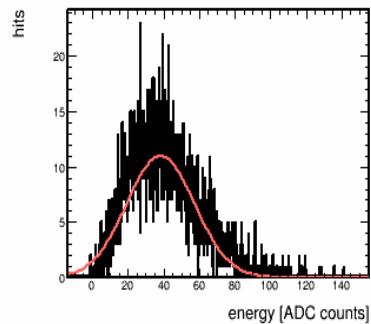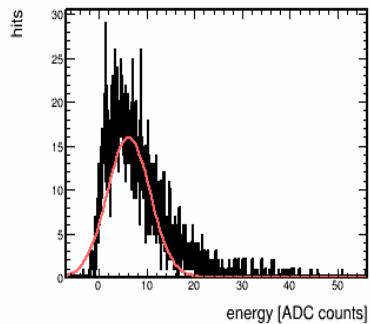
Mean energy deposited per layer
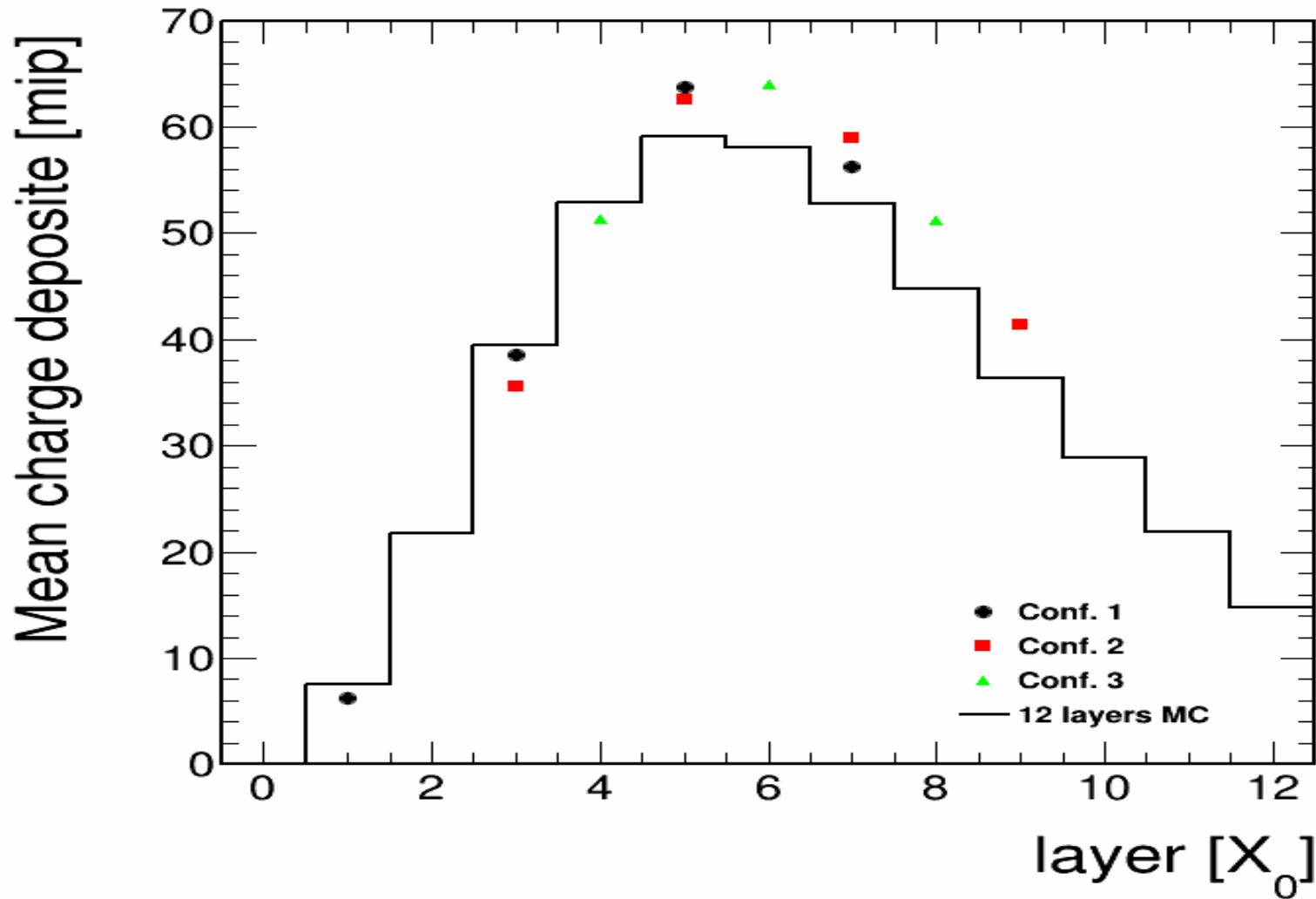
Sigma energy deposited per layer
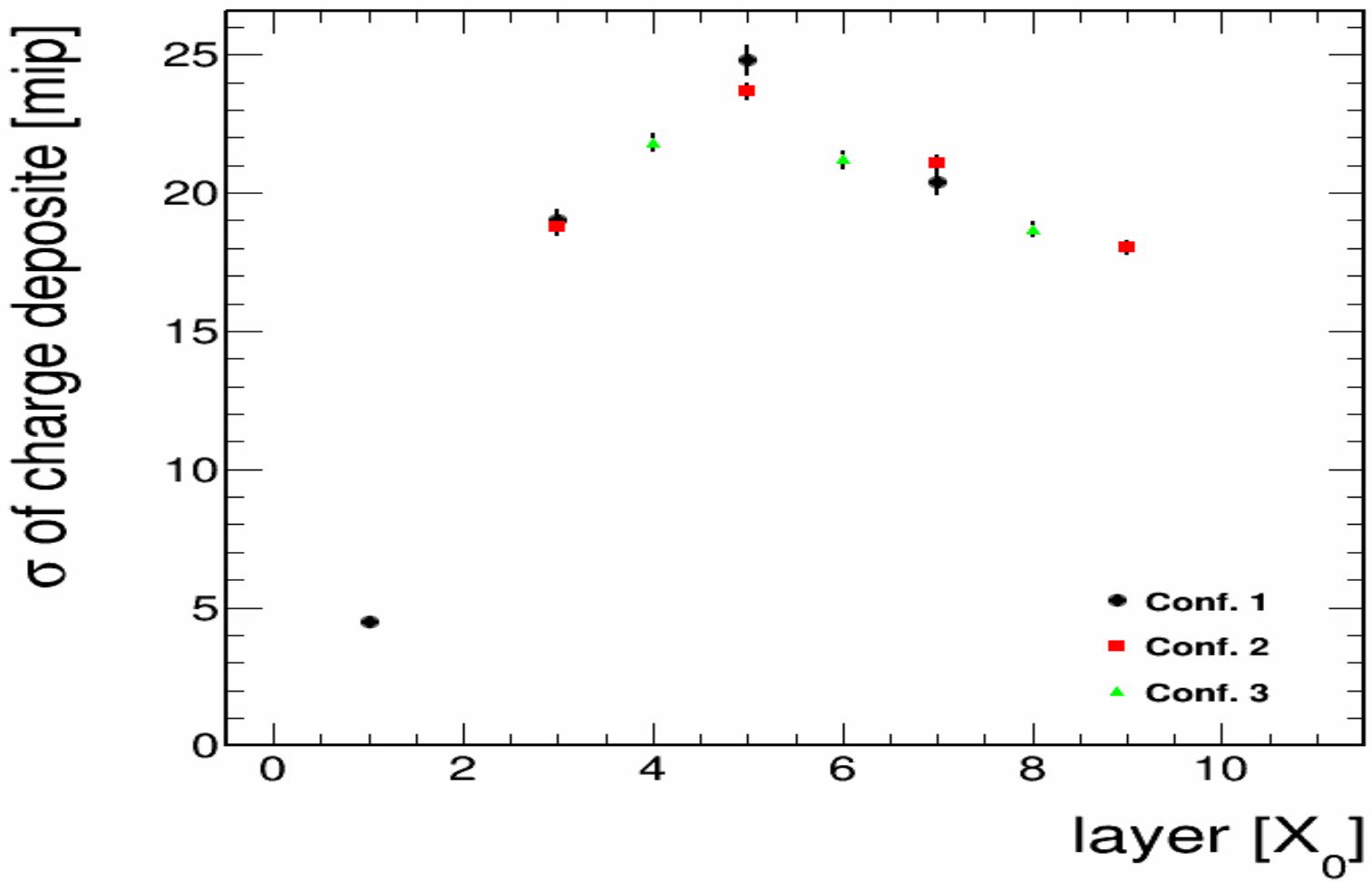
Energy deposit in layer (> 1 track)
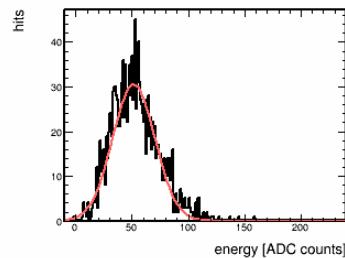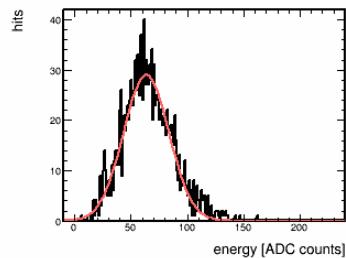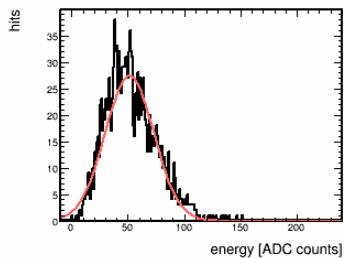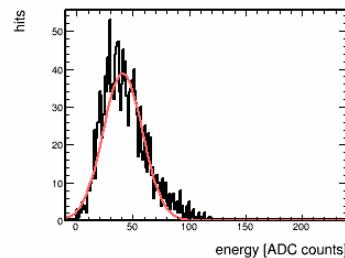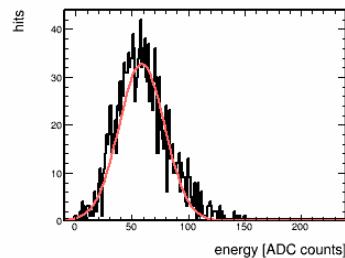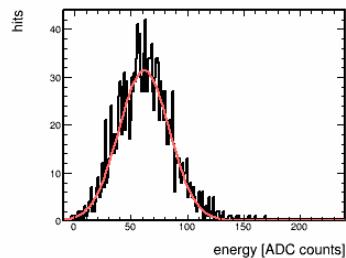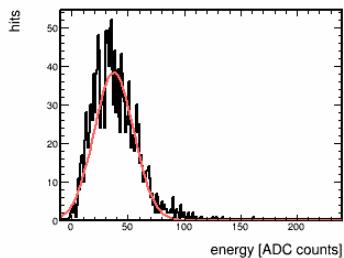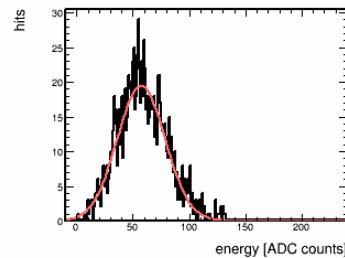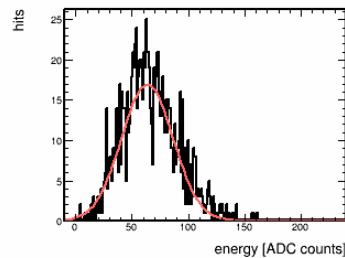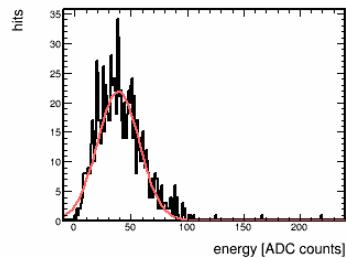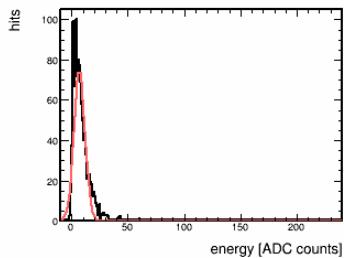
Mean energy deposited per layer (> 1 track)