

DSSSD Calibration

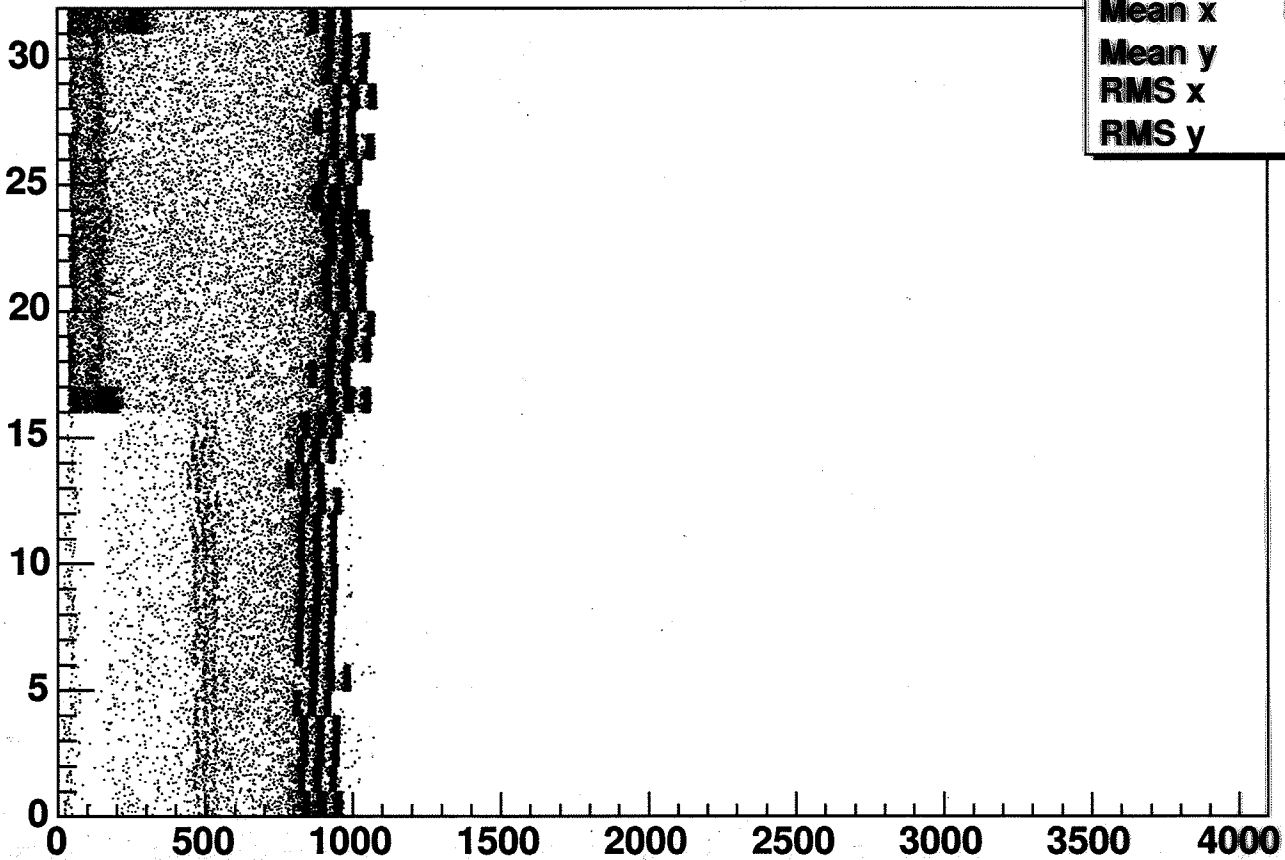
· calibrated w/ triple alpha source (Am/Cm/Pu)

^{239}Pu : 5156.6 keV

^{241}Am : 5485.6 keV

^{244}Cm : 5804.8 keV

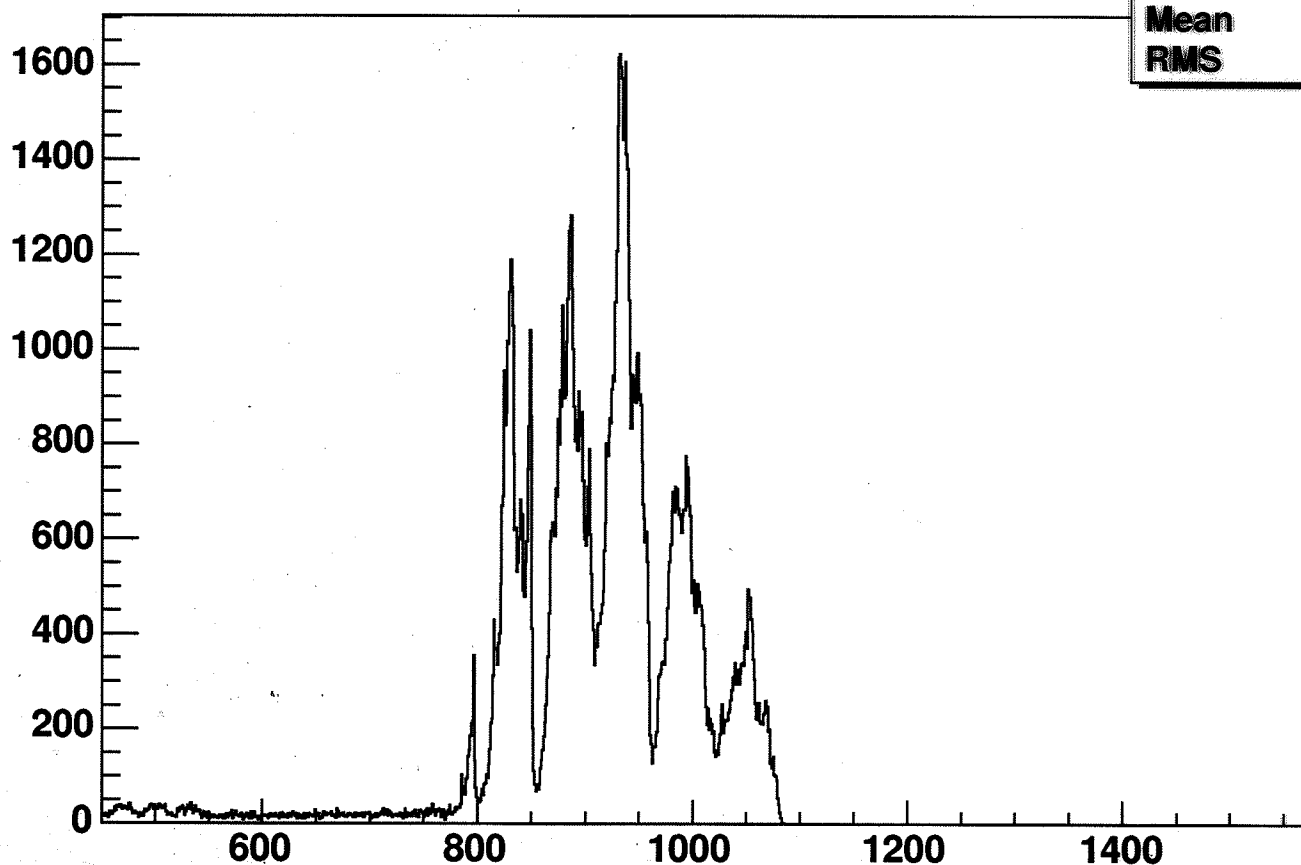
DSSSD adc chan v val



hsDsssdE	
Entries	172003
Mean x	861.5
Mean y	15.77
RMS x	206.3
RMS y	9.212

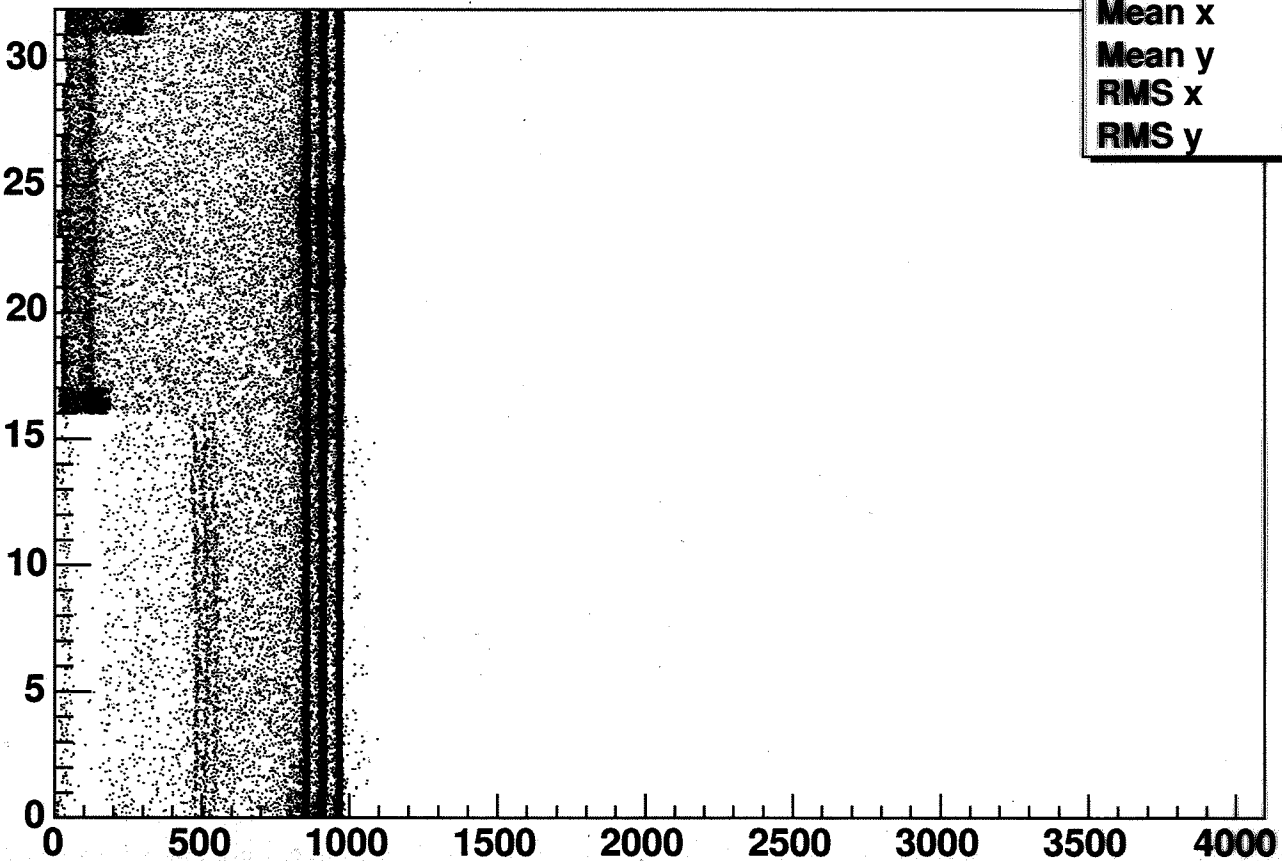
- manually fit Gaussian to three peaks for each of 32 DSSSD channels ; recorded σ and mean into data file
- using macro in ROOT, matched peaks to alpha energies (adjusted for dead layer), fit line to data and calculated gain and offset for each DSSSD channel which were written to file
- manually entered gain & offset into DSSSD database on mysql
- used dragonroot to implement calibration on data

DSSSD adc chan v val



hsDsssdE_px	
Entries	172003
Mean	910.5
RMS	94.89

HI_s DSSSD adc chan vs val



hsDsssdE	
Entries	172003
Mean x	845.1
Mean y	15.77
RMS x	201.1
RMS y	9.212

HI_s DSSSD adc chan vs val

hsDsssdE_px	
Entries	172003
Mean	884.7
RMS	107.8

