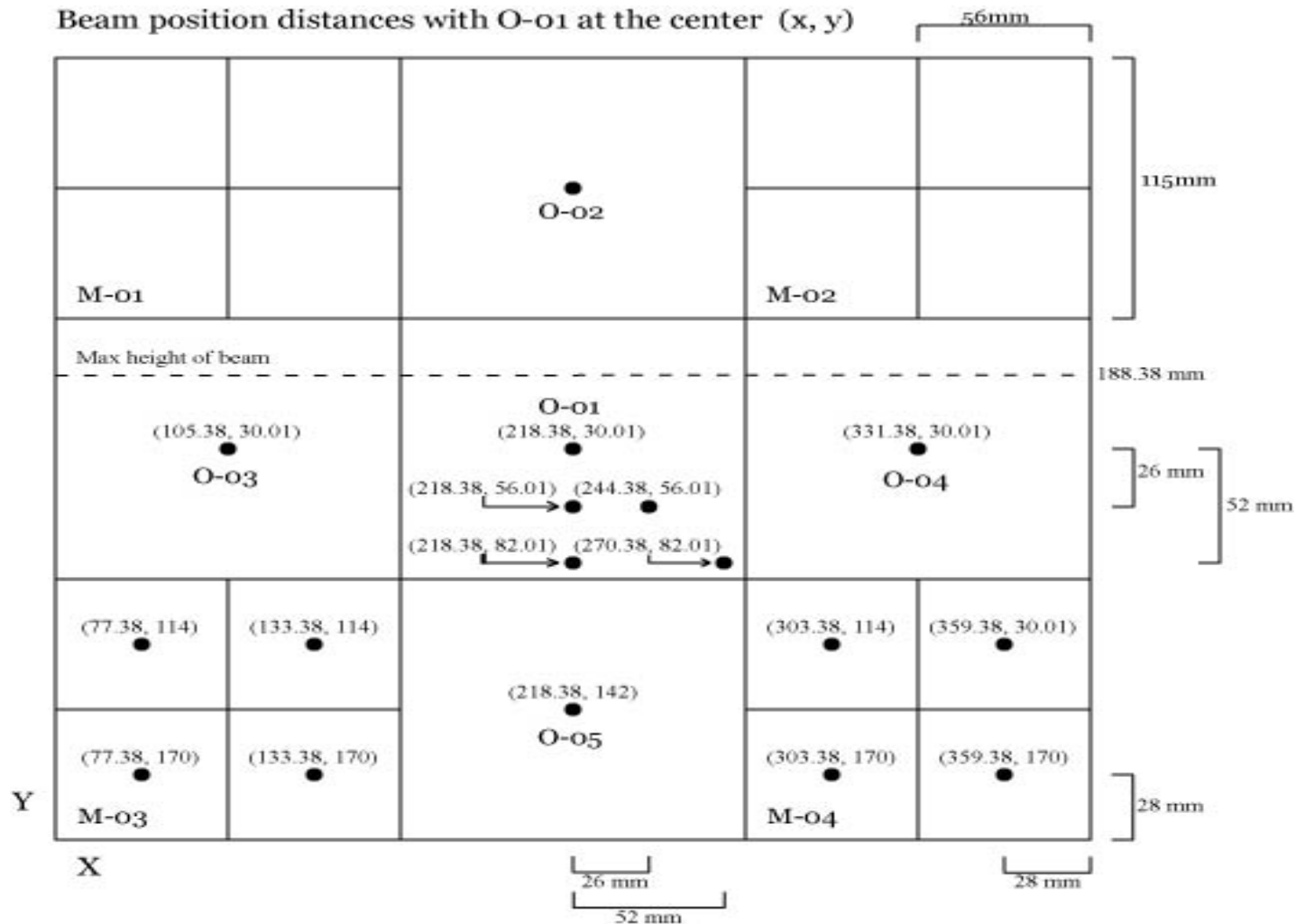


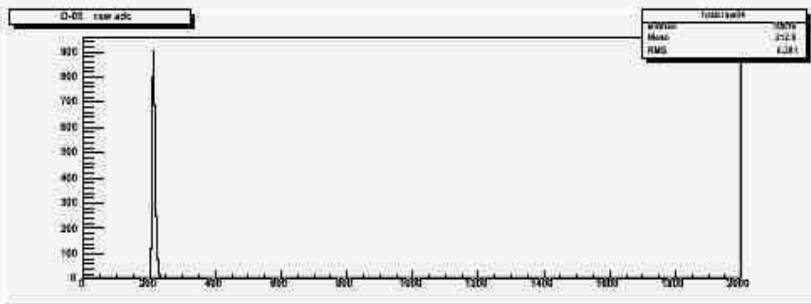
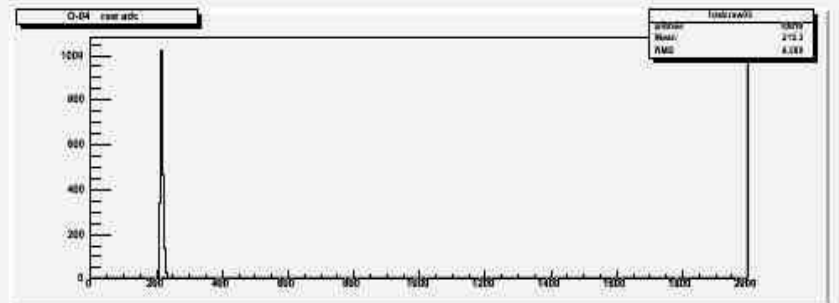
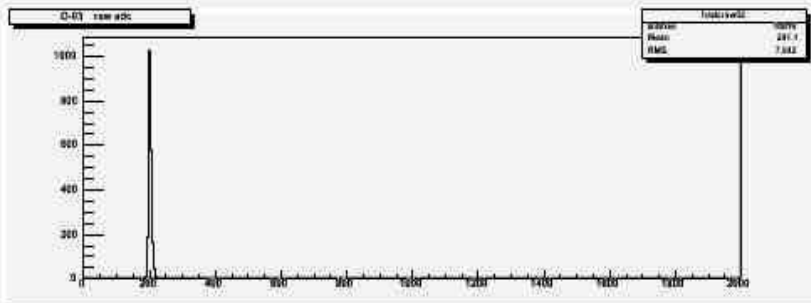
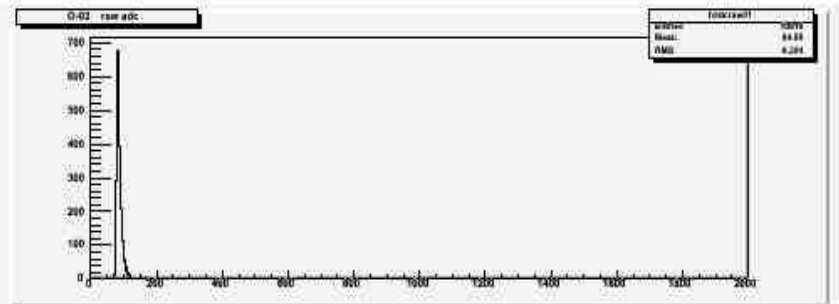
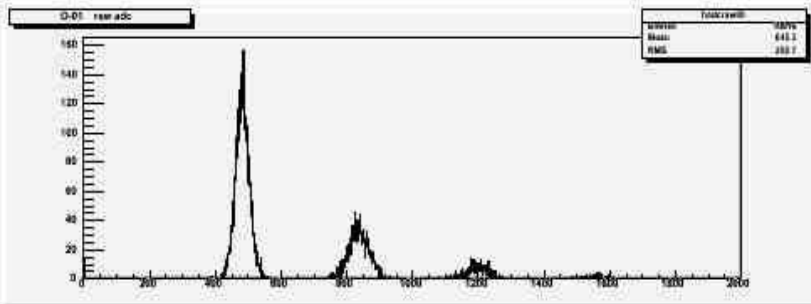
ENERGY SUM & RESOLUTION

Current Progress

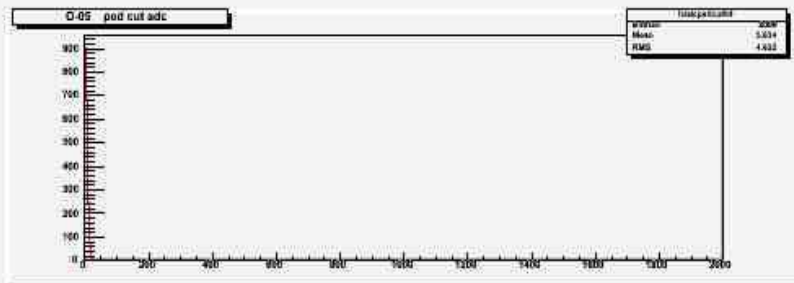
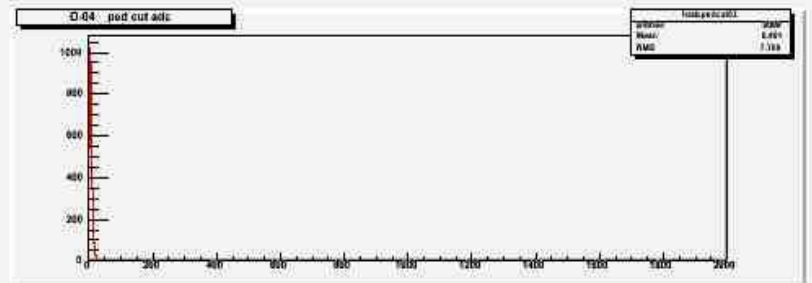
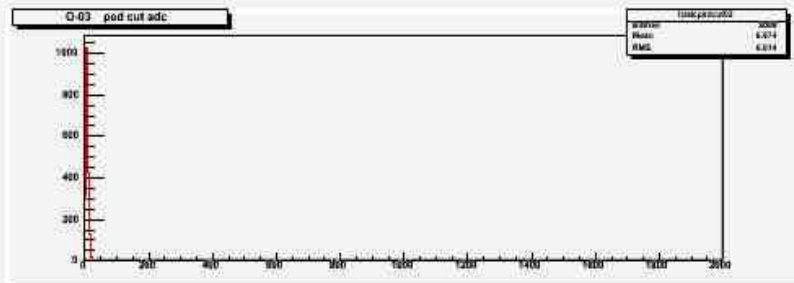
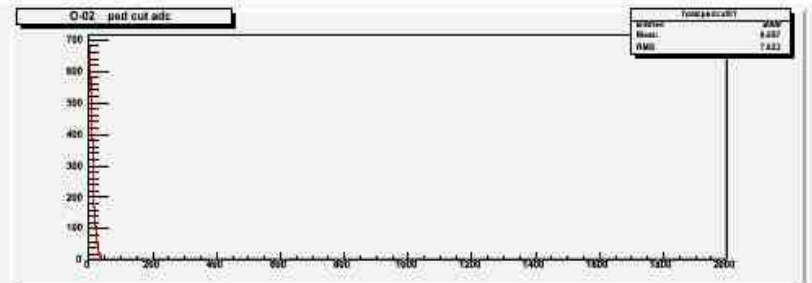
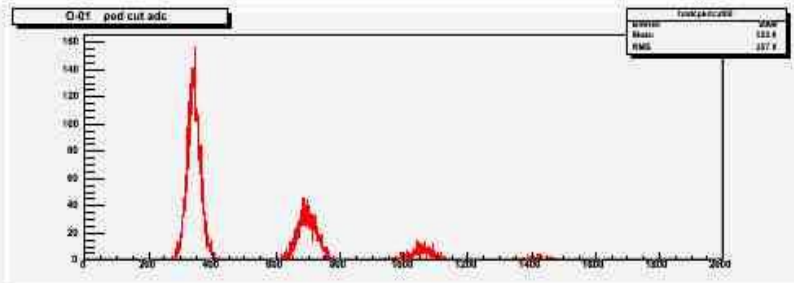
CALORIMETER BLOCK LAYOUT



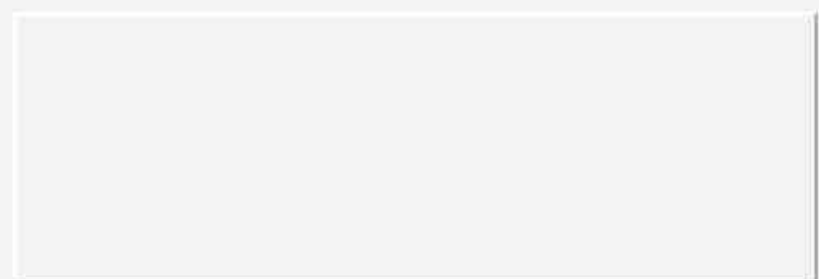
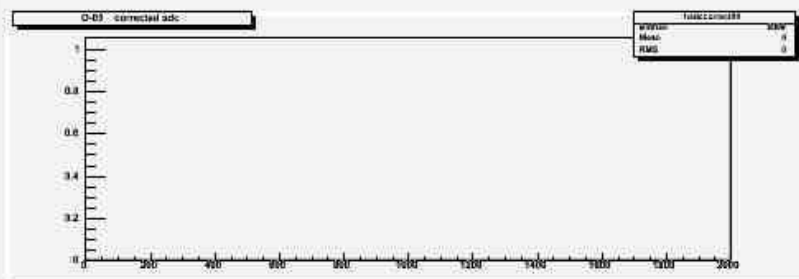
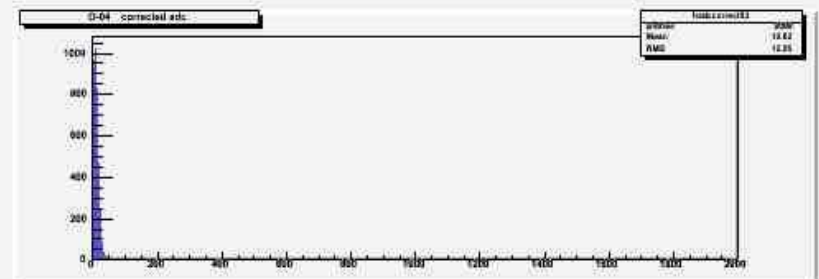
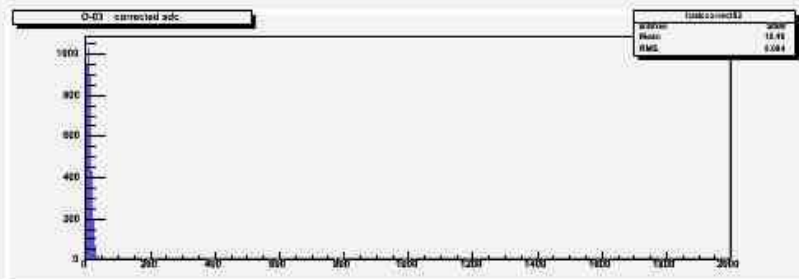
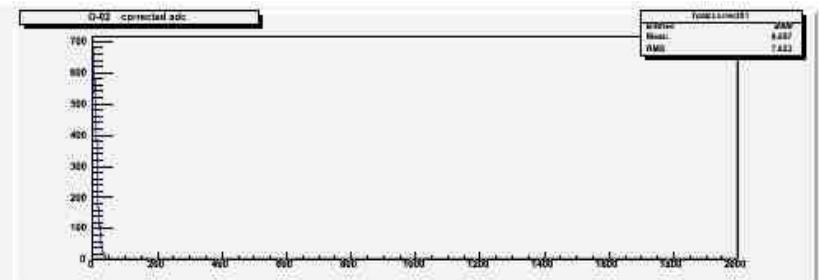
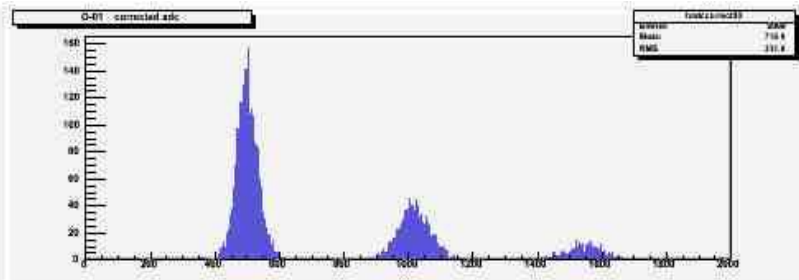
O-01 RAW ADC HISTOGRAM



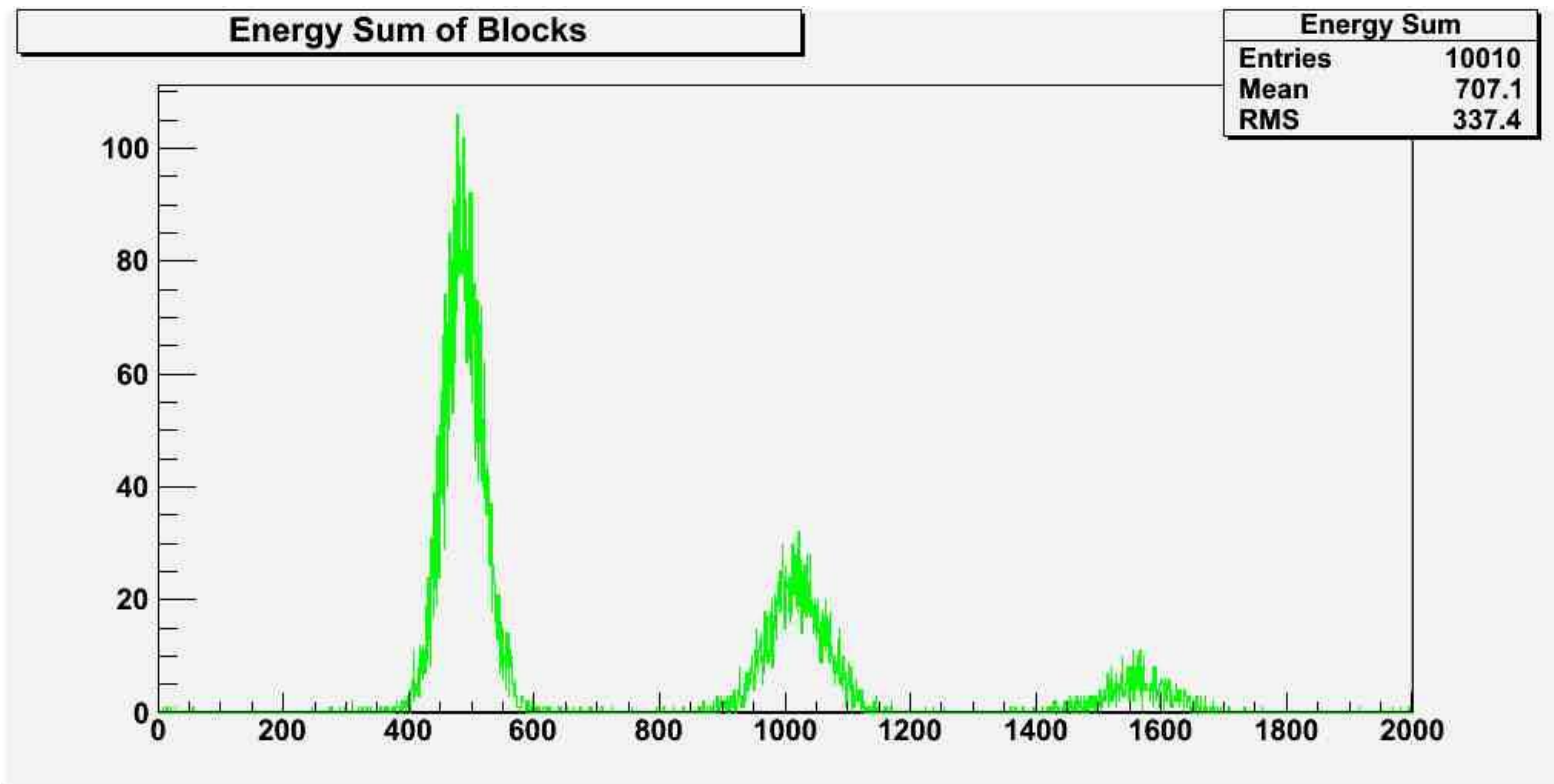
O-01 PEDESTAL CUT HISTOGRAM



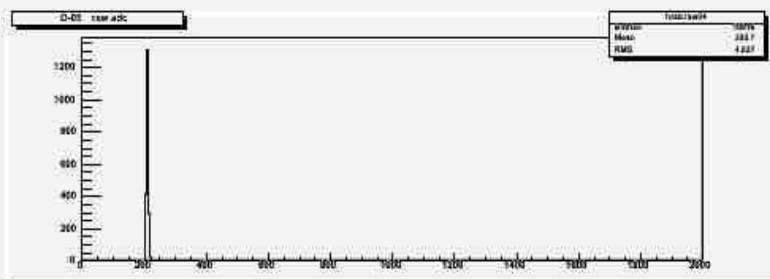
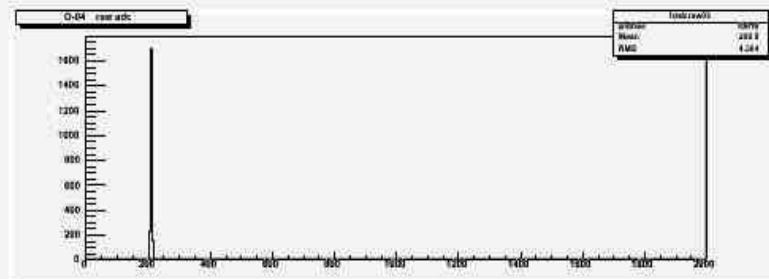
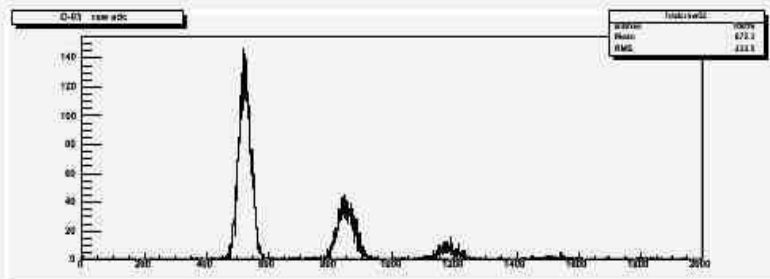
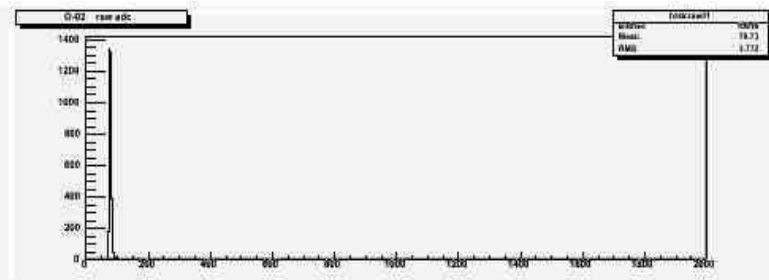
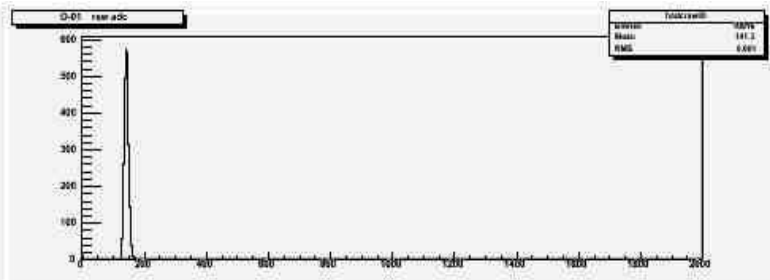
O-01 ADC CORRECTED HISTOGRAM



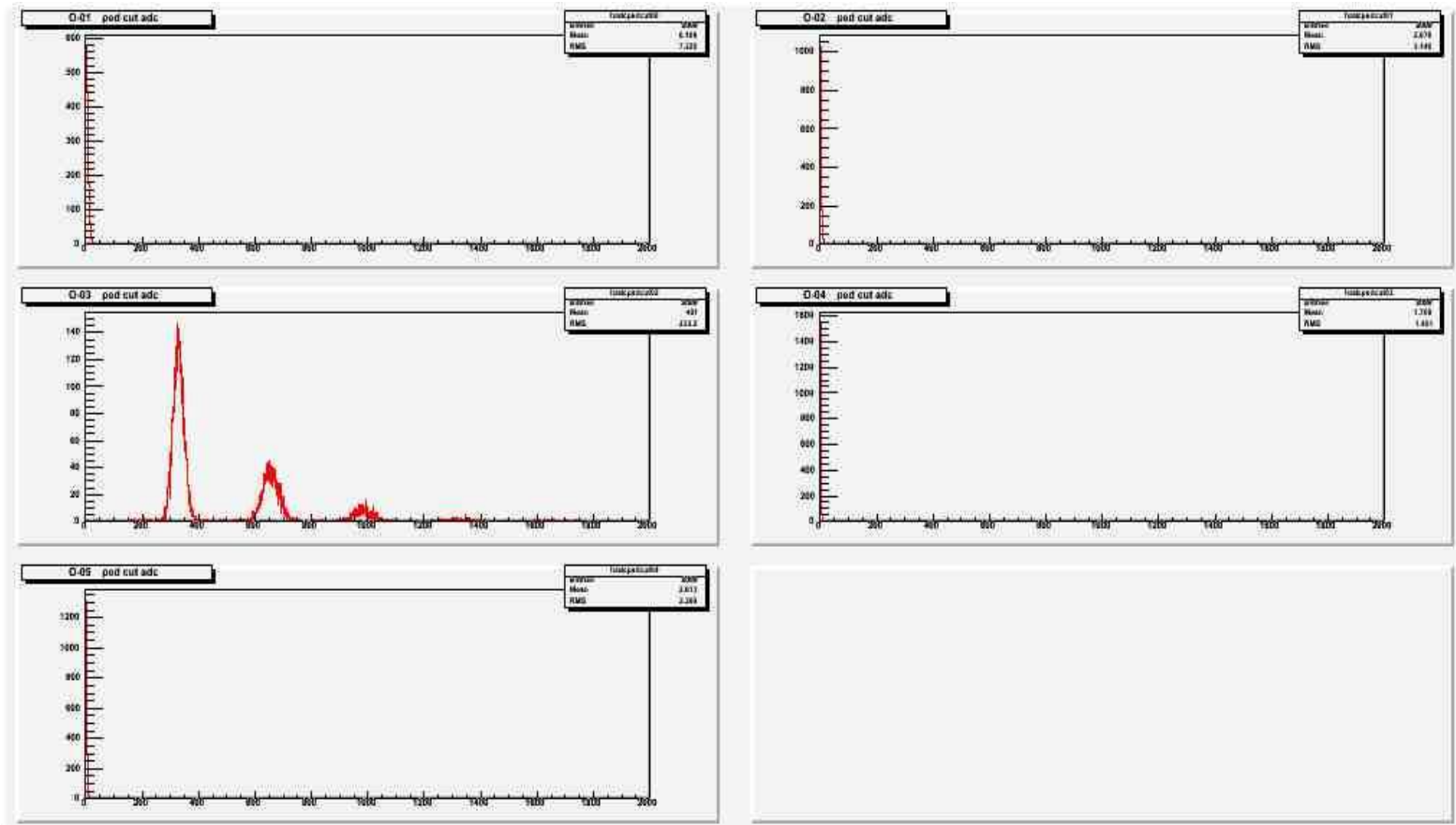
O-01 EVENT ENERGY SUM



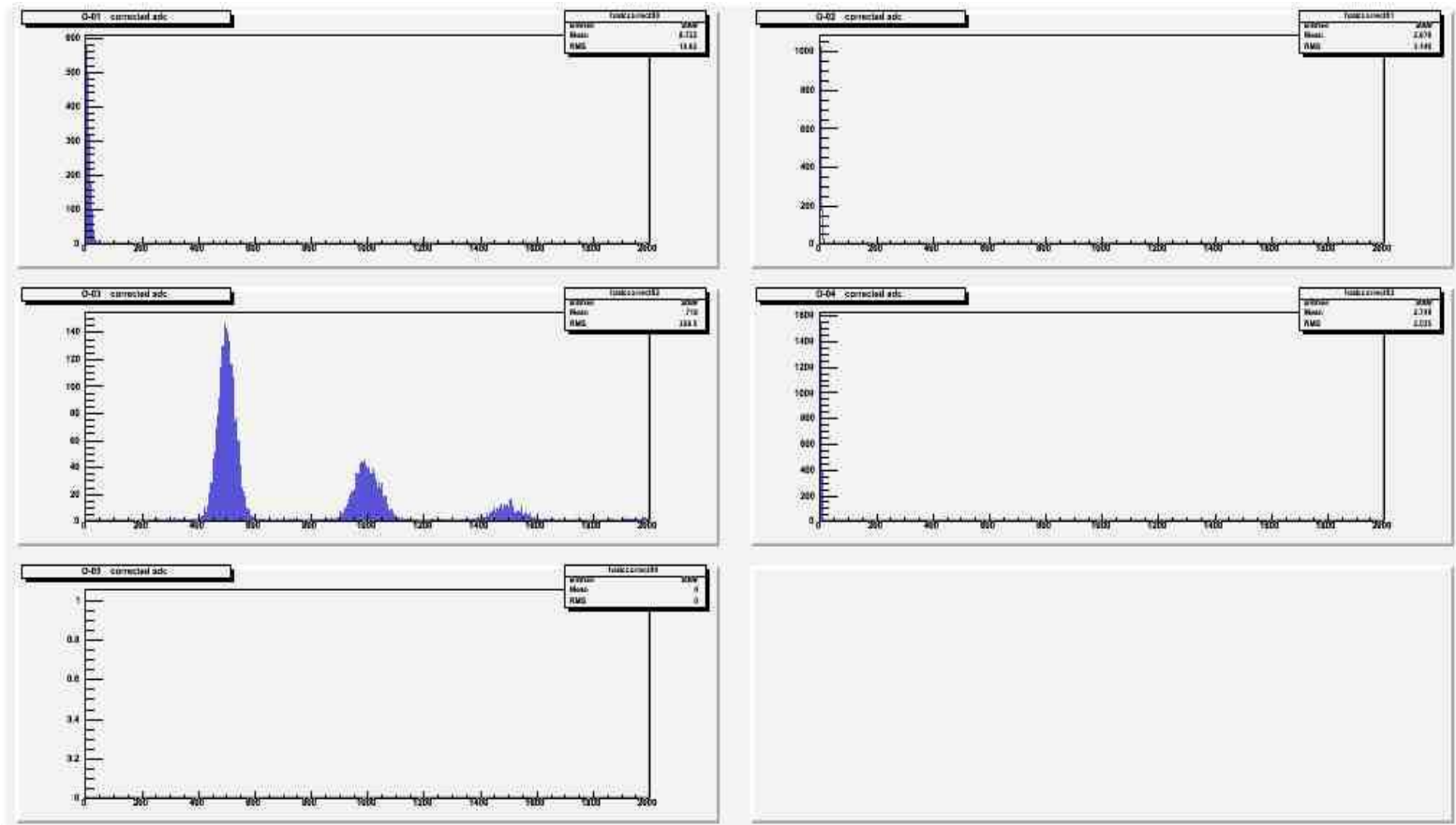
O-03 RAW ADC HISTOGRAM



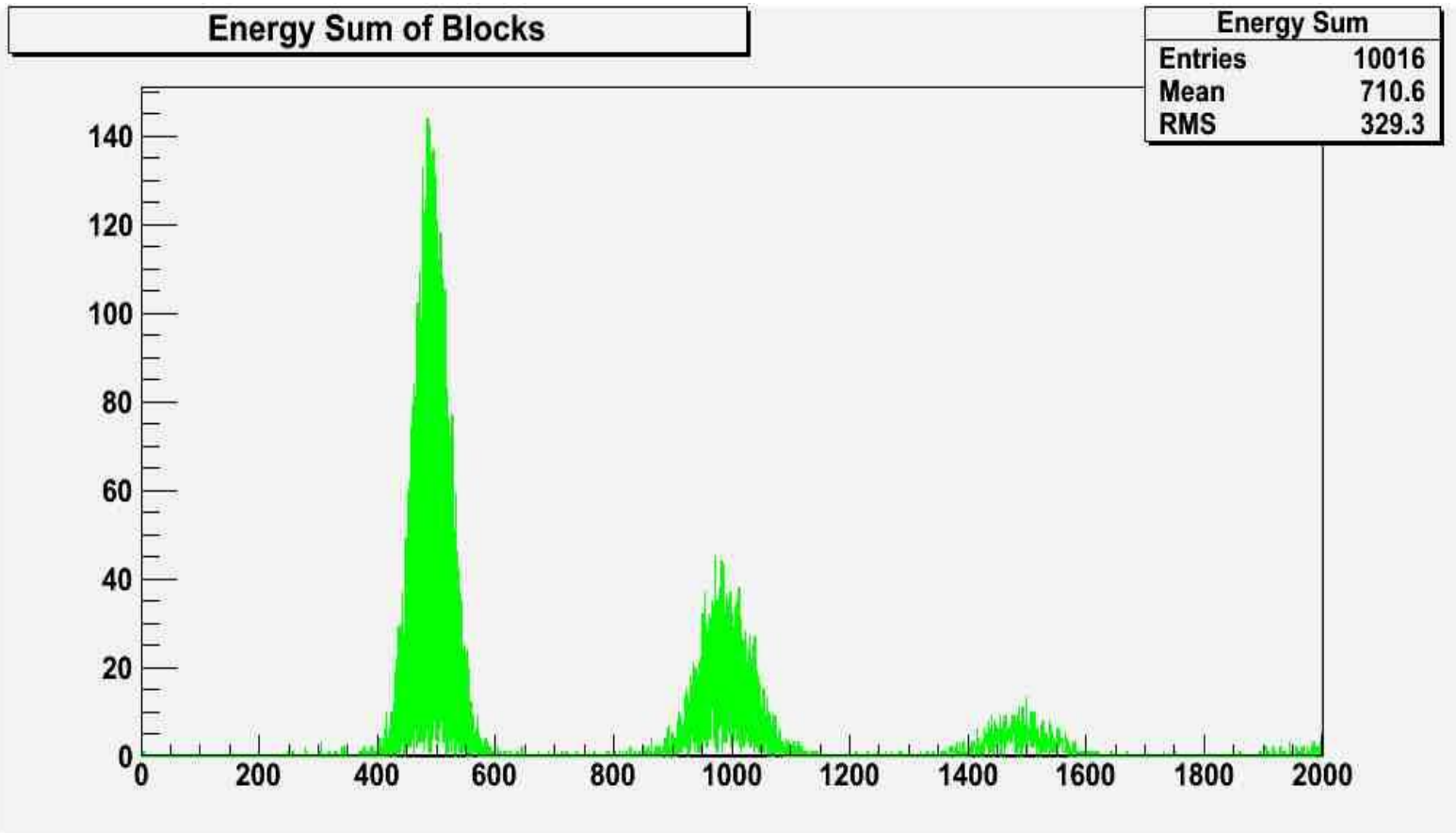
O-03 PEDESTAL CUT HISTOGRAM



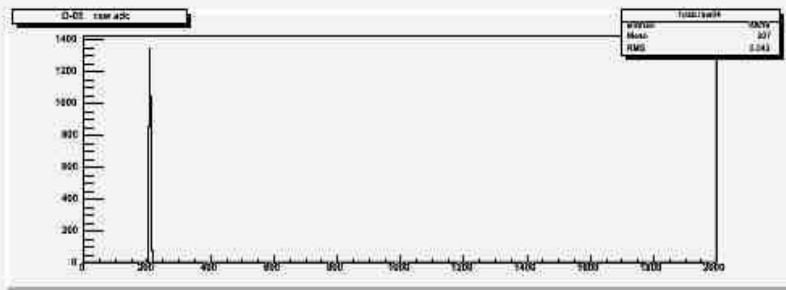
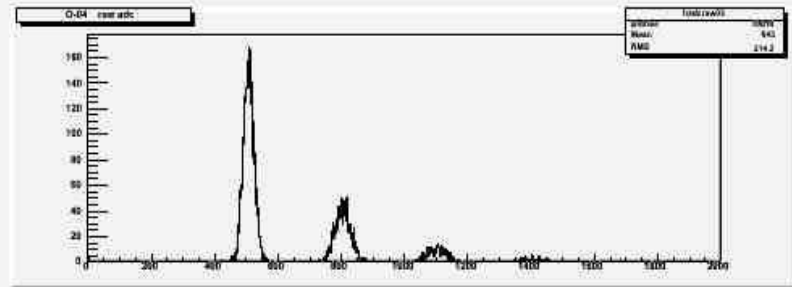
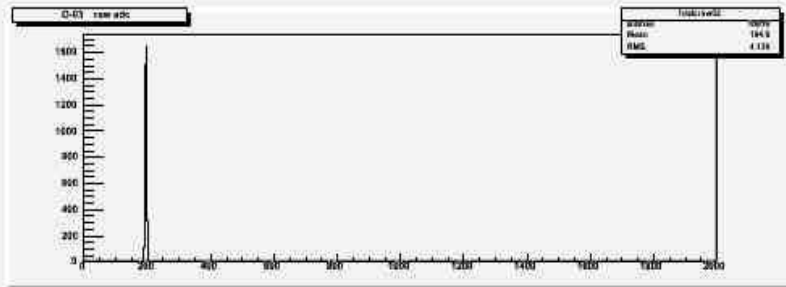
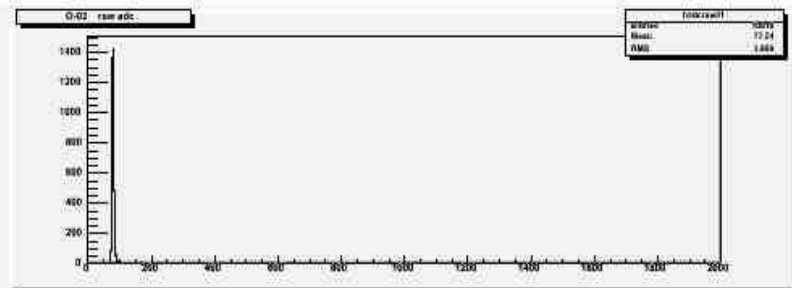
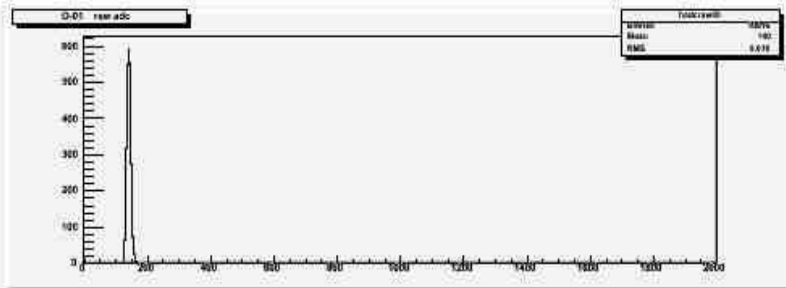
O-03 ADC CORRECTED HISTOGRAM



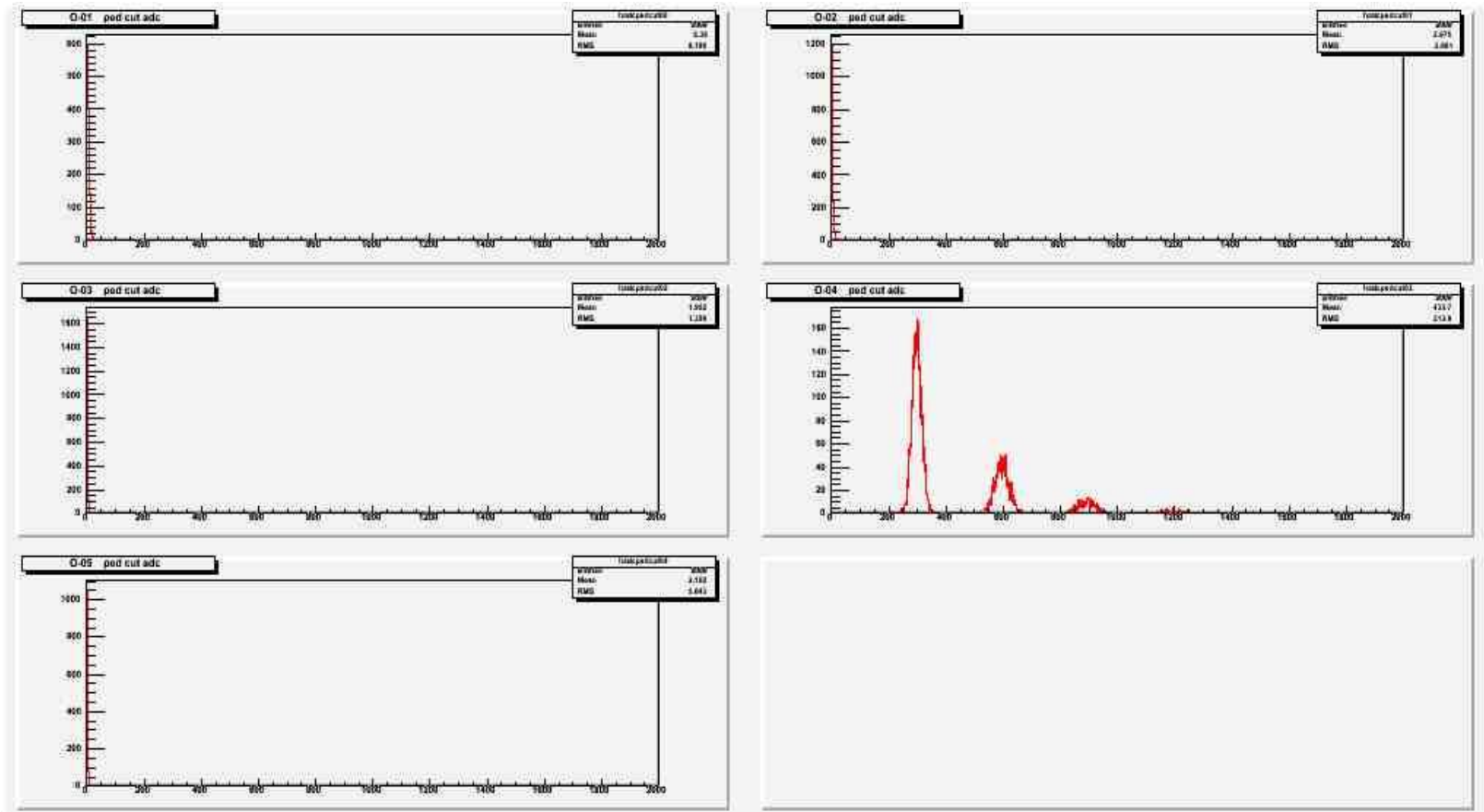
O-03 ENERGY SUM HISTOGRAM



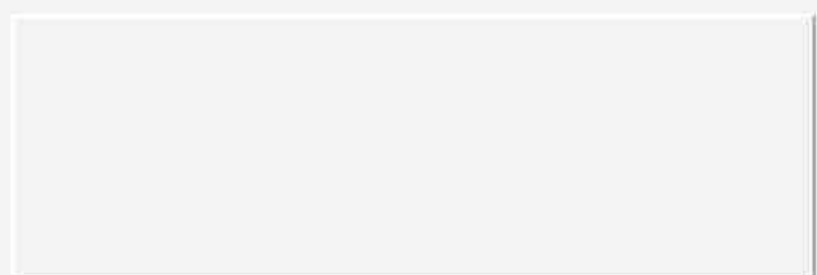
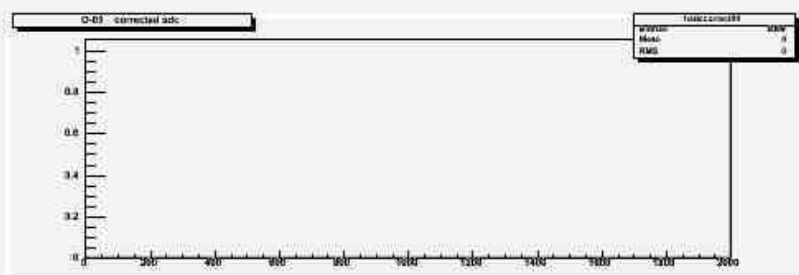
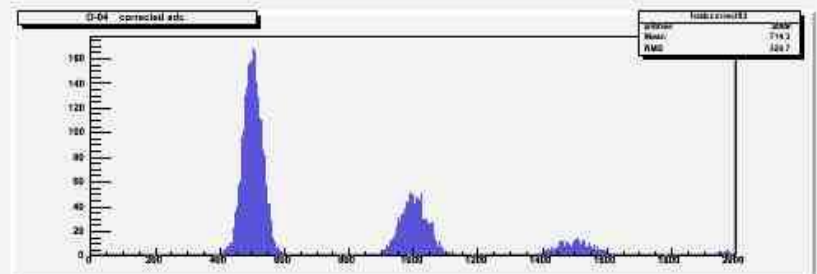
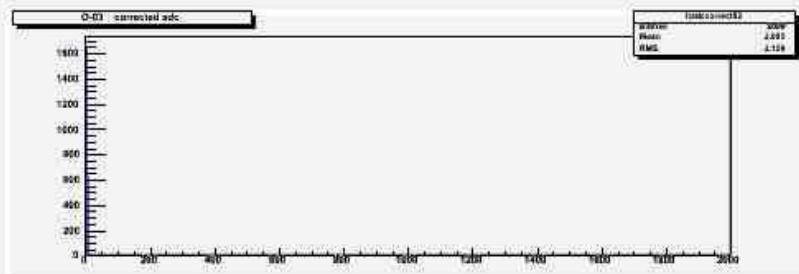
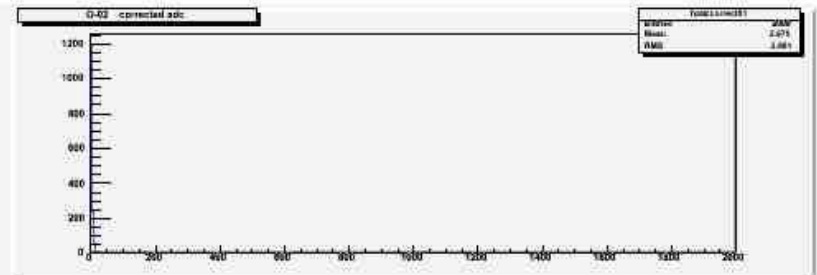
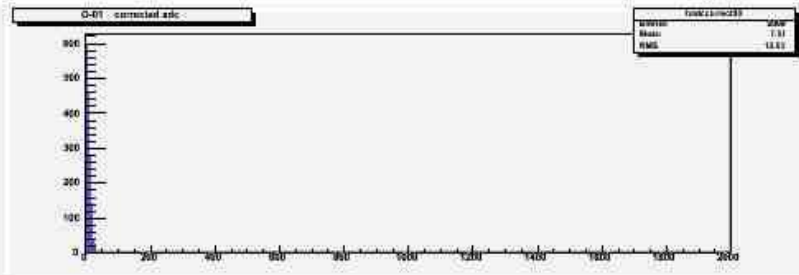
O-04 RAW ADC HISTOGRAM



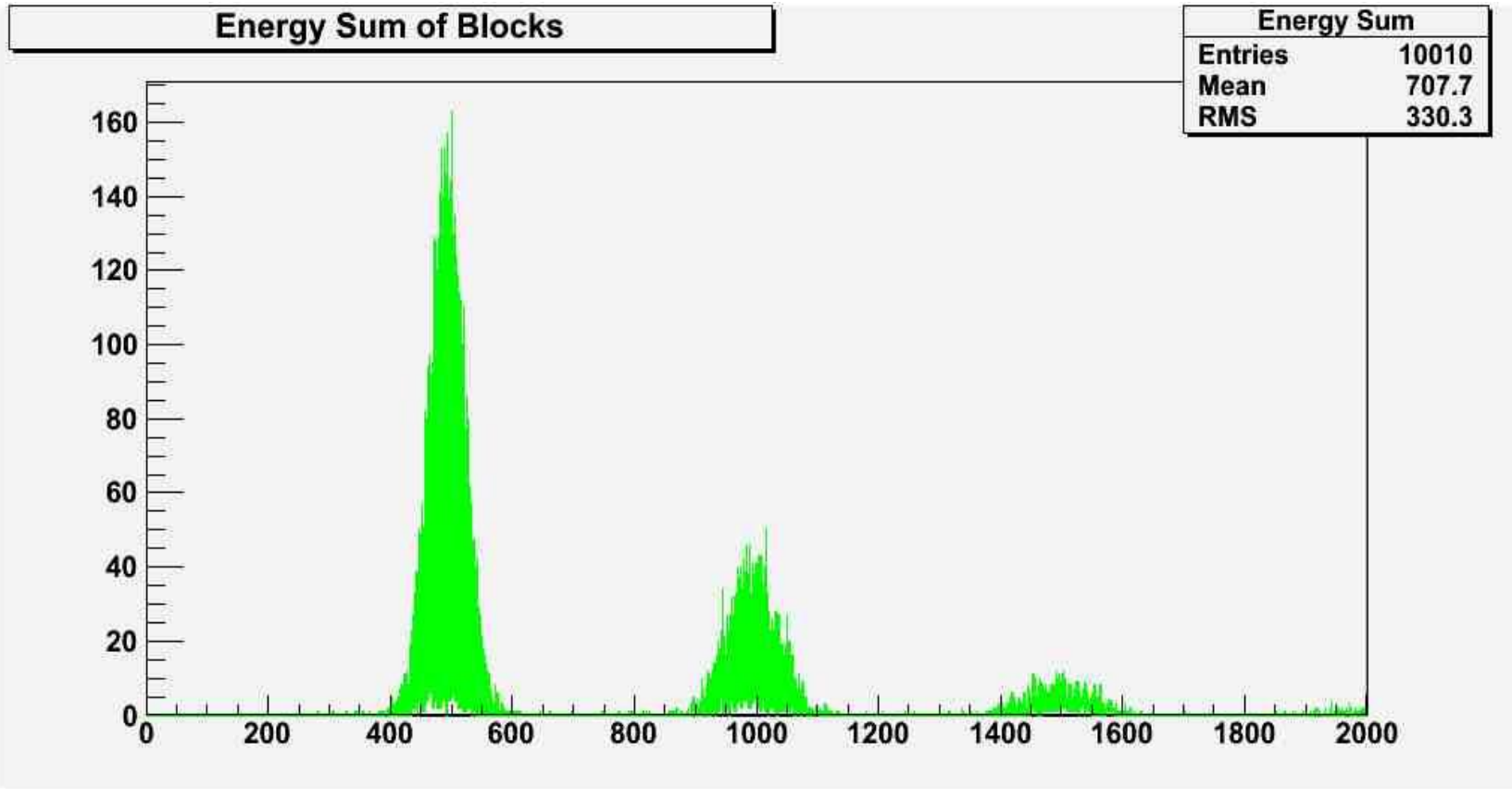
O-O4 PEDESTAL CUT HISTOGRAM



O-04 ADC CORRECTED HISTOGRAM



O-O4 ENERGY SUM HISTOGRAM



WORK TO BE DONE

- Refine algorithm for finding the central block hit
 - Create new algorithm for adding up adjacent blocks energy contribution once the central block hit is known
 - Optimize the width of the cut out from the pedestal
 - Fit the energy sum histogram and plot sigma vs. E
 - Fit the sigma vs. E plot with user specified
- 