

CAEN v1730 Digitizer DAQ for the Enge Focal Plane

2 Versions of the Focal Plane digital DAQ:

- 1.) offline — coincidence logic handled in the sort routine
- 2.) online — Coincidence logic handled by the digitizer firmware

Histograms * = extra

1D: Pos1, Pos2, E, DE, SiE, SiDE, Theta(?)

2D: DE vs Pos1, DE vs E, DE vs Pos2*, E vs Pos1, E vs Pos2*, Pos2 vs Pos1, SiDE vs SiE, Theta vs Pos1(?), Theta vs Pos2(?)

1D (gated): Pos1-G-DE vs Pos1-G1, Pos1-G-DE vs Pos1-G2, SiTotE-G-SiDE vs SiE

2D (gated): SiDE vs SiTotE-G-SiDE vs SiE

Extra Event Histograms

2D: Pos1 vs Event, Pos2 vs Event*

1D (gated): Pos1-G-Pos1 vs Event, Pos2-G-Pos2 vs Event*, Pos1-G-DE vs Pos1 & Pos1 vs Event, Pos2-G-DE vs Pos2 & Pos2 vs Event*, SiTotE-G-Pos1 vs Event, SiTotE-G-SiDE vs SiE & Pos1 vs Event,

2D (gated): SiTotE vs Event-G-SiDE vs SiE