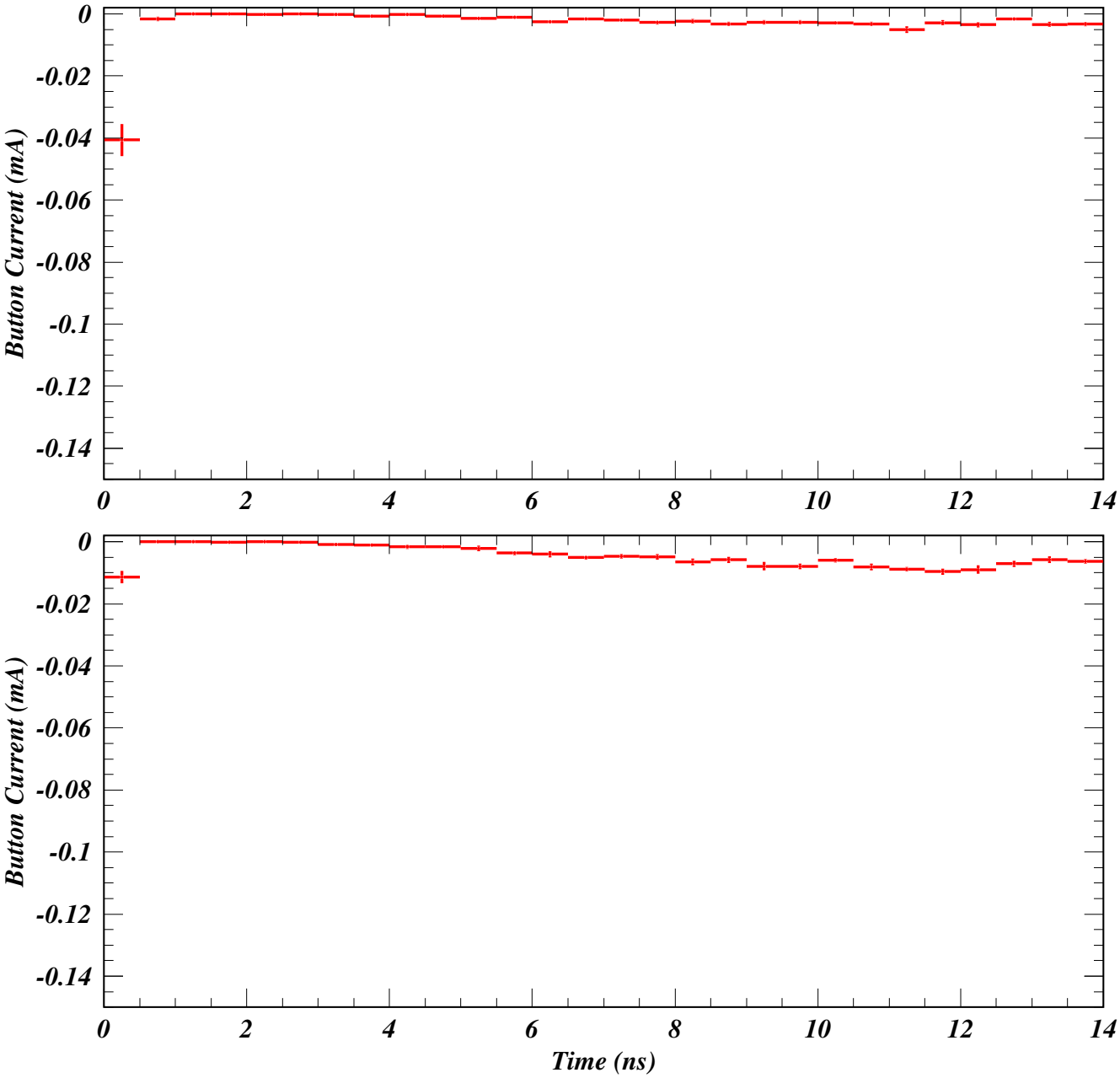
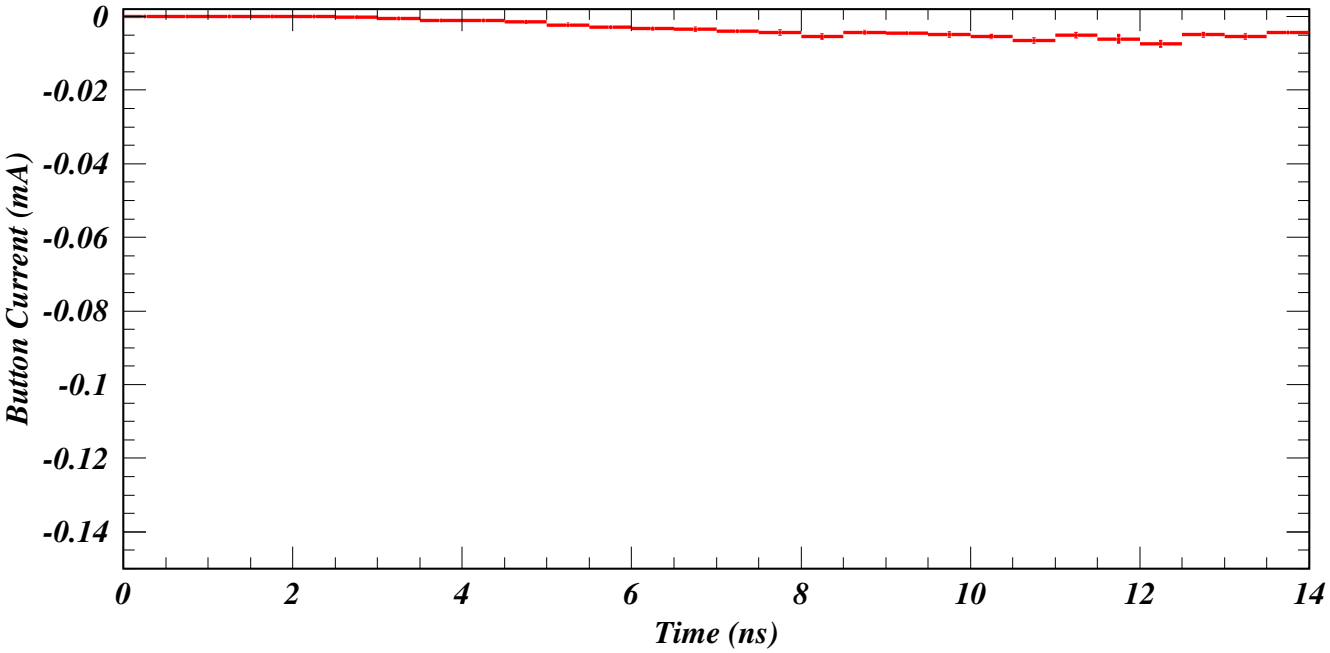
10/09/07 14.50

Job 16907: Shielded Button Simulation

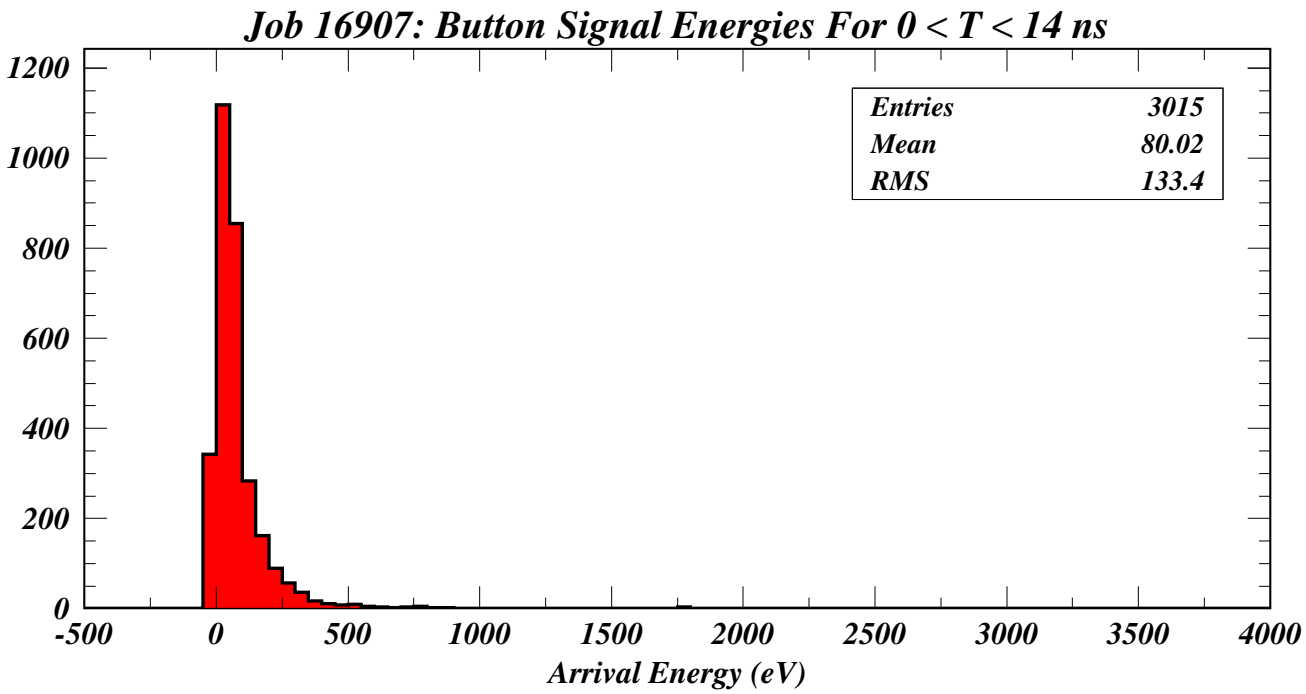


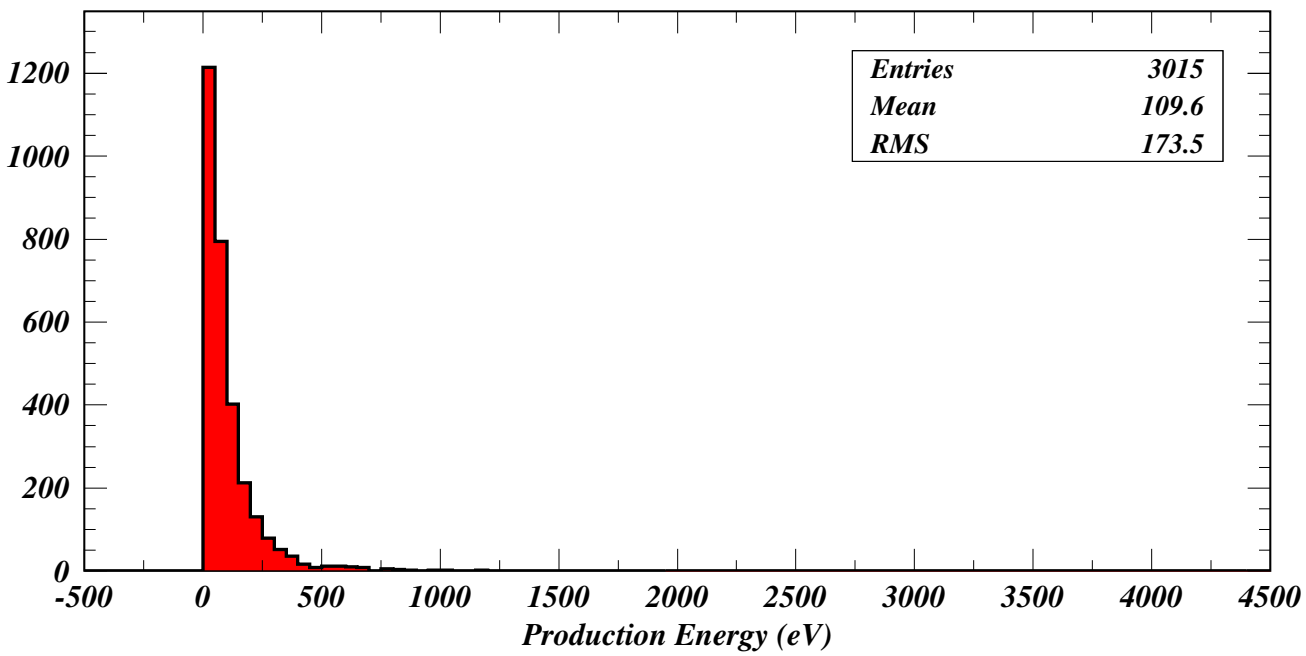
10/09/07 14.50

Job 16907: Shielded Button Simulation



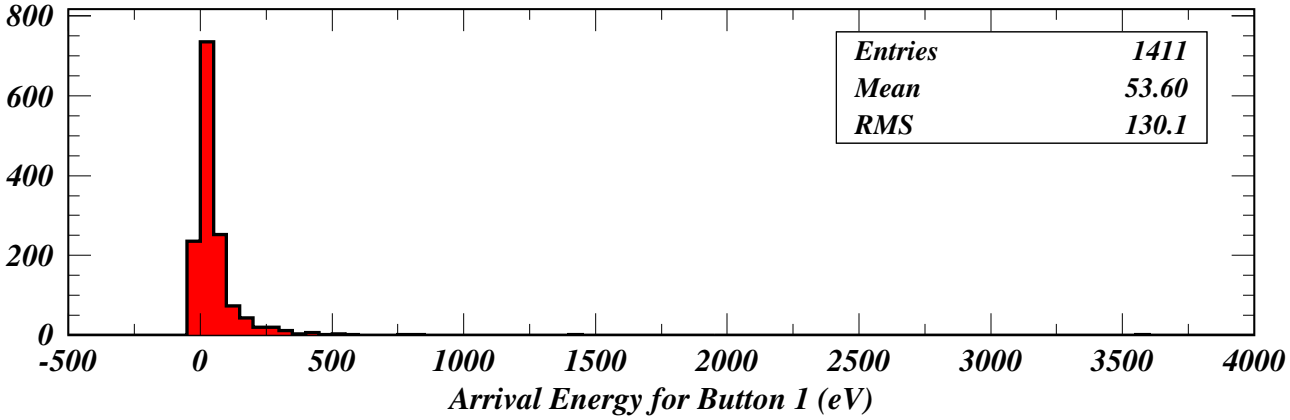
10/09/07 14.50

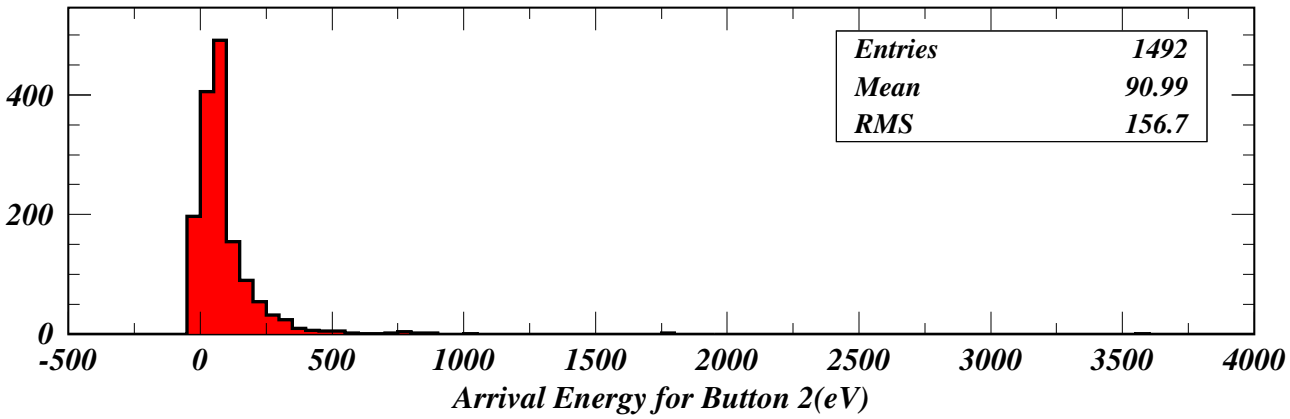

Job 16907: Button Signal Energies For 0 < T < 14 ns
Entries 3015
Mean 80.02
RMS 133.4
1200
1000
800
600
400
200
0
-500
0
500
1000
1500
2000
2500
3000
3500
4000
Arrival Energy (eV)

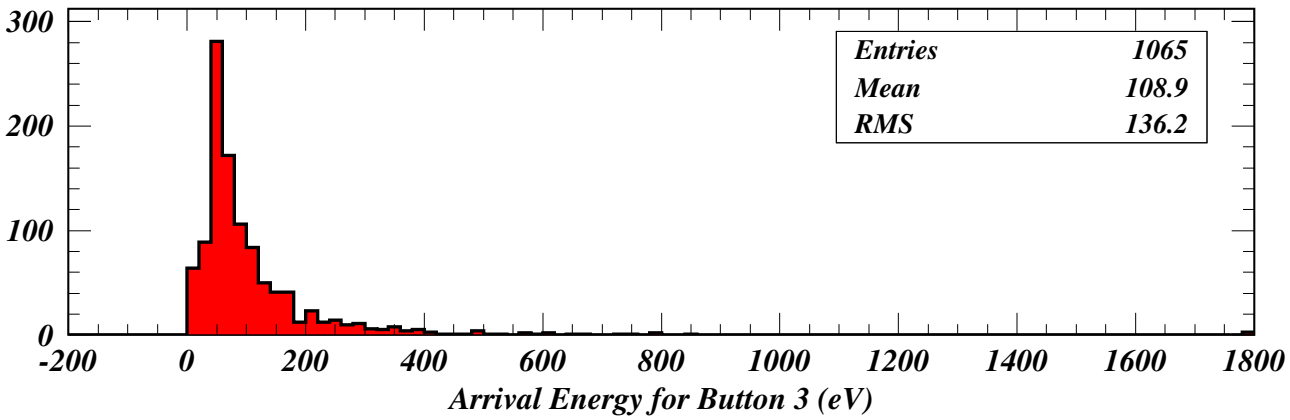

Entries 3015
Mean 109.6
RMS 173.5
1200
1000
800
600
400
200
0
-500
0
500
1000
1500
2000
2500
3000
3500
4000
4500
Production Energy (eV)

10/09/07 14.50

Job 16907: Button Signal Energies For 0 < T < 14 ns

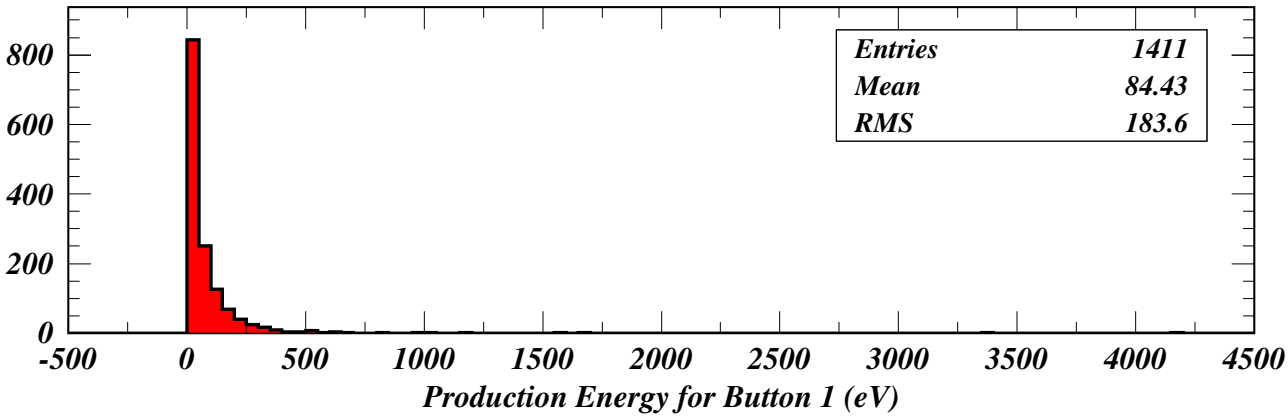


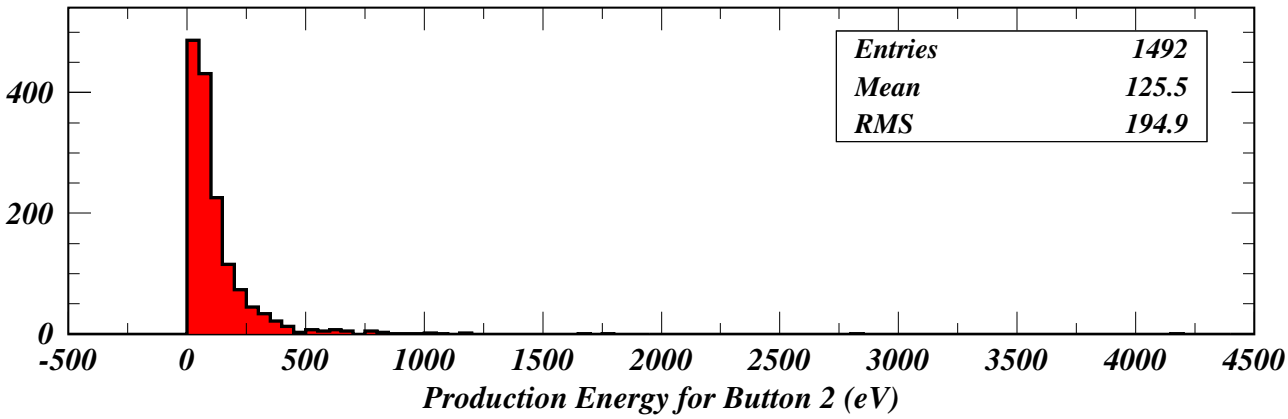


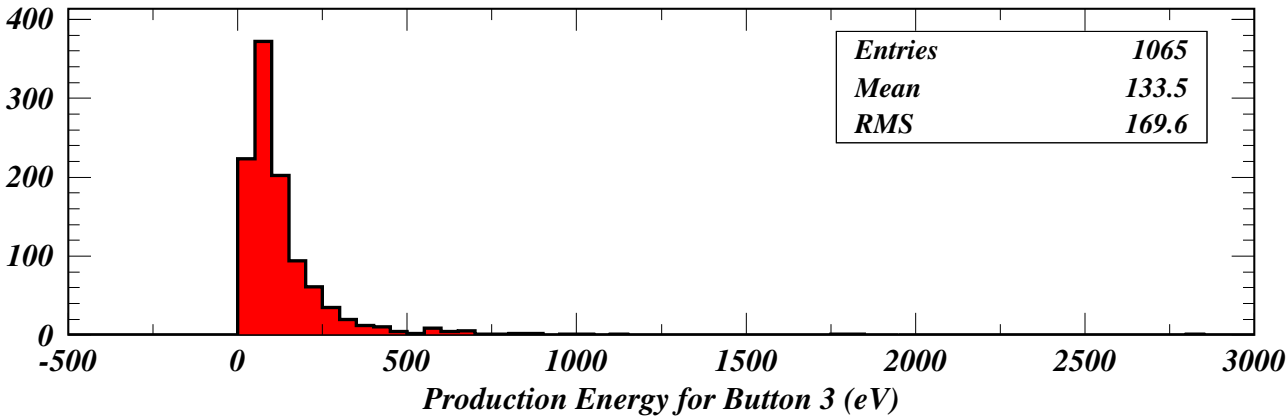


10/09/07 14.50

Job 16907: Button Signal Energies For 0 < T < 14 ns

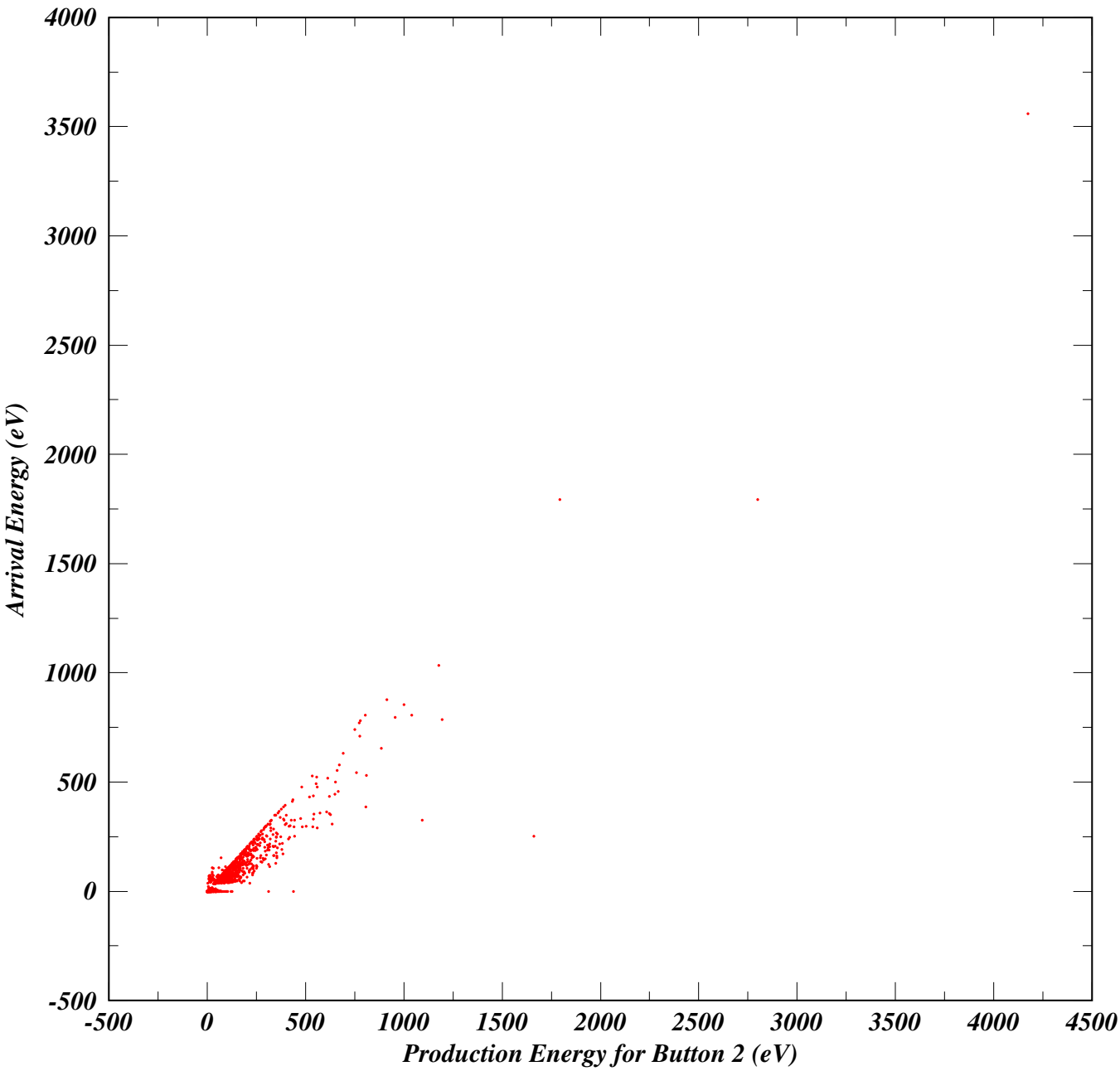






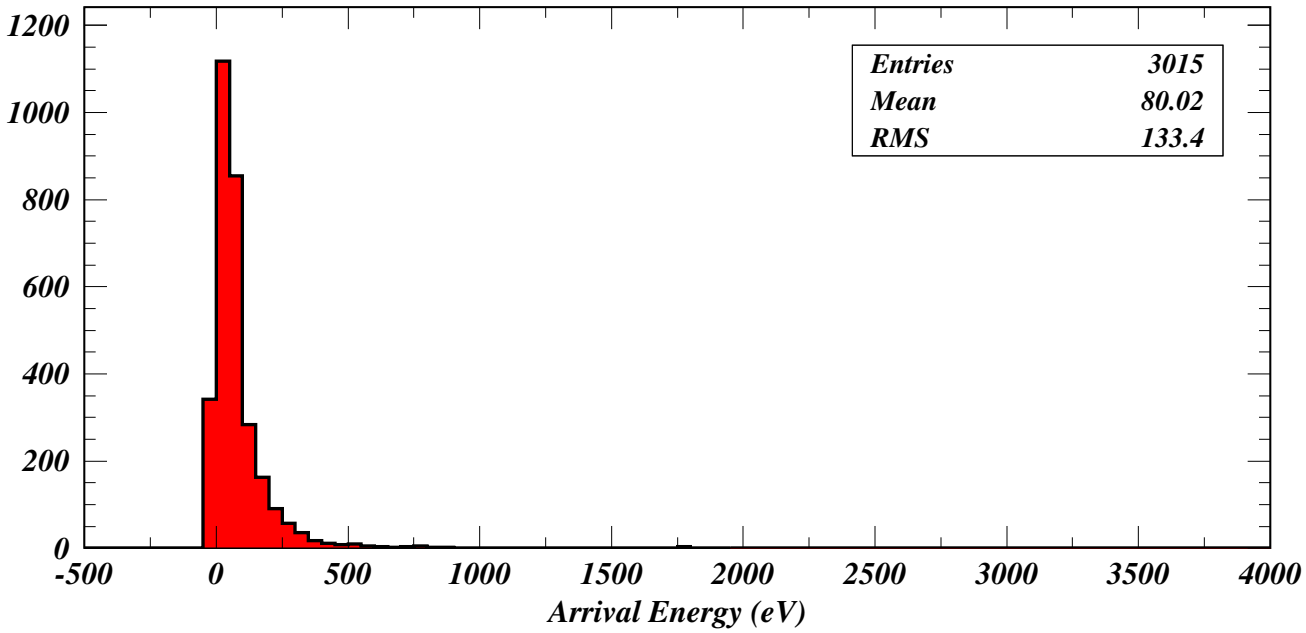
10/09/07 14.50

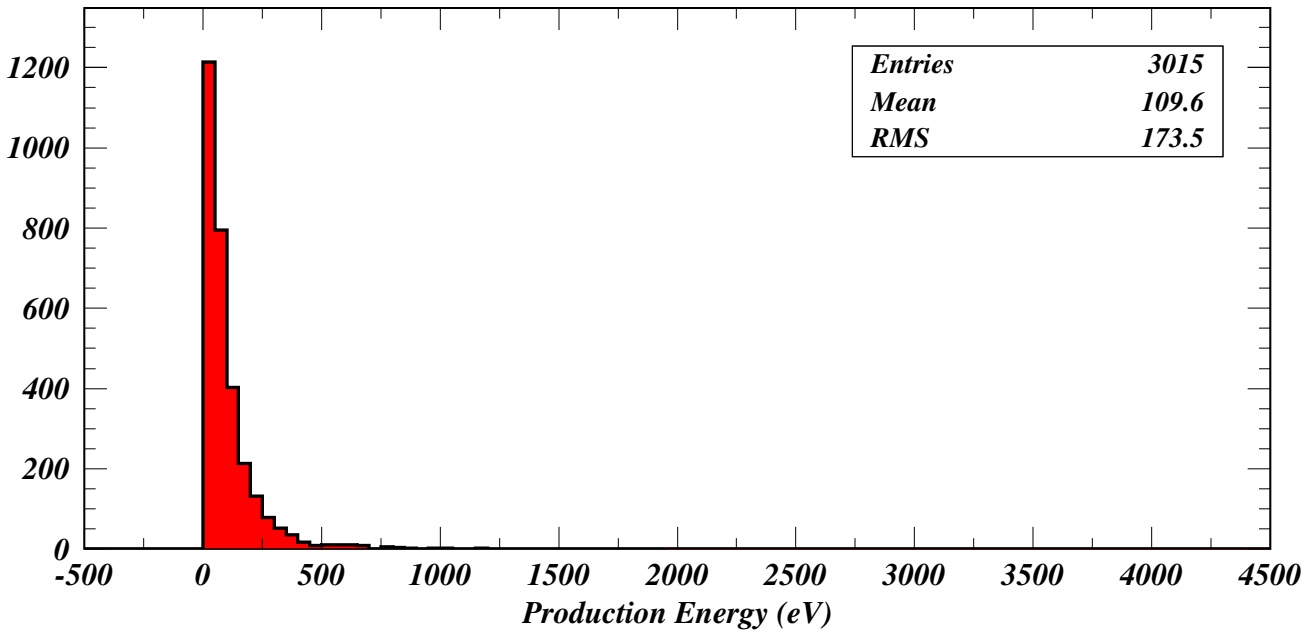
Job 16907: Button Signal Energies For 0 < T < 14 ns



10/09/07 14.50

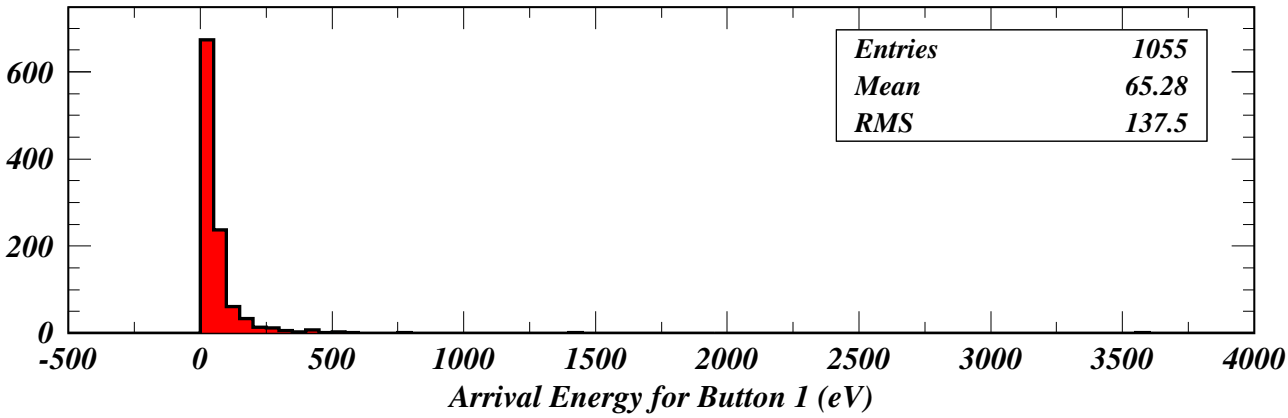
Job 16907: Button Signal Energies For 0 < T < 14 ns: Primaries Only

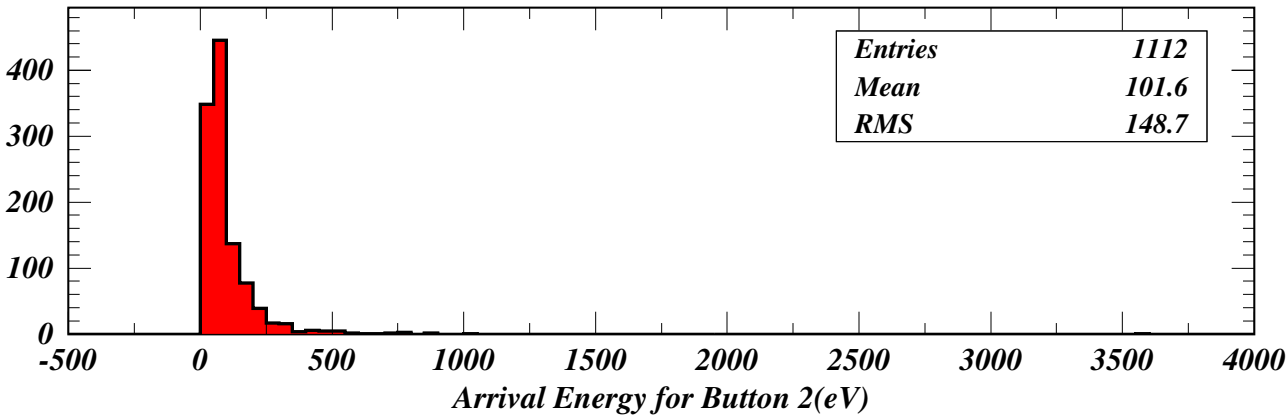


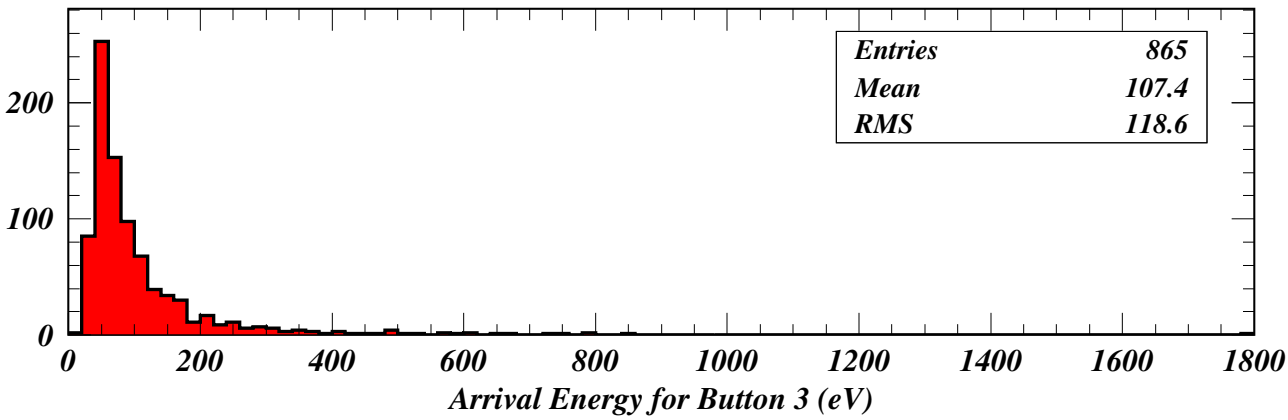


10/09/07 14.50

Job 16907: Button Signal Energies For 0 < T < 14 ns: Primaries Only

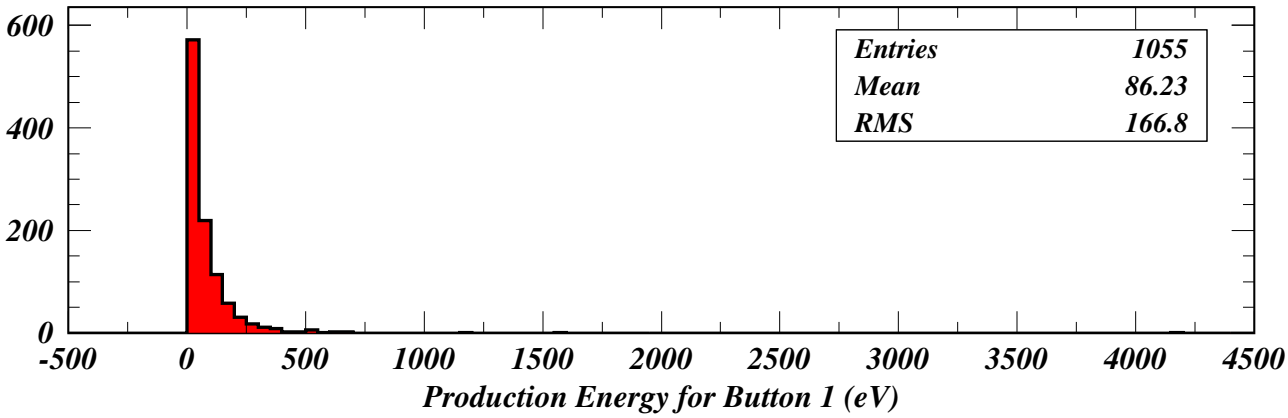


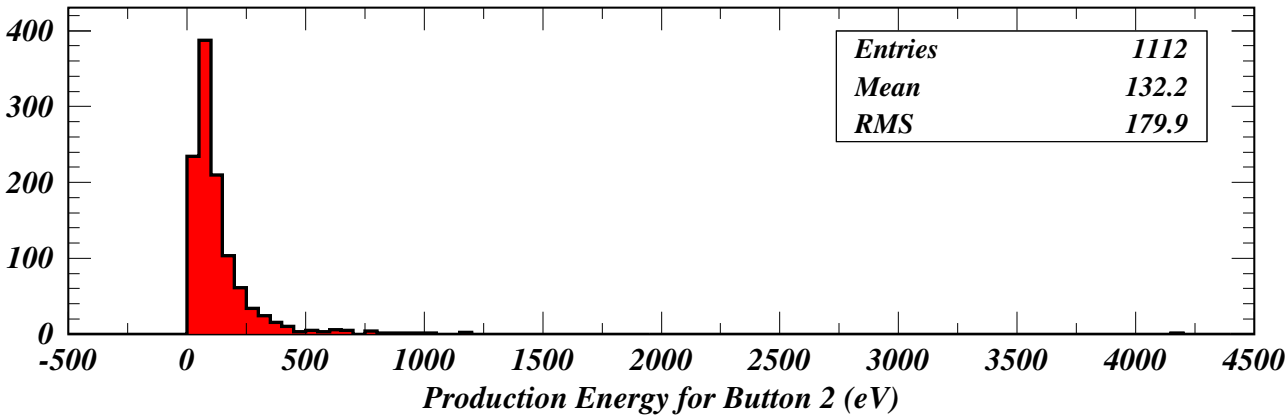


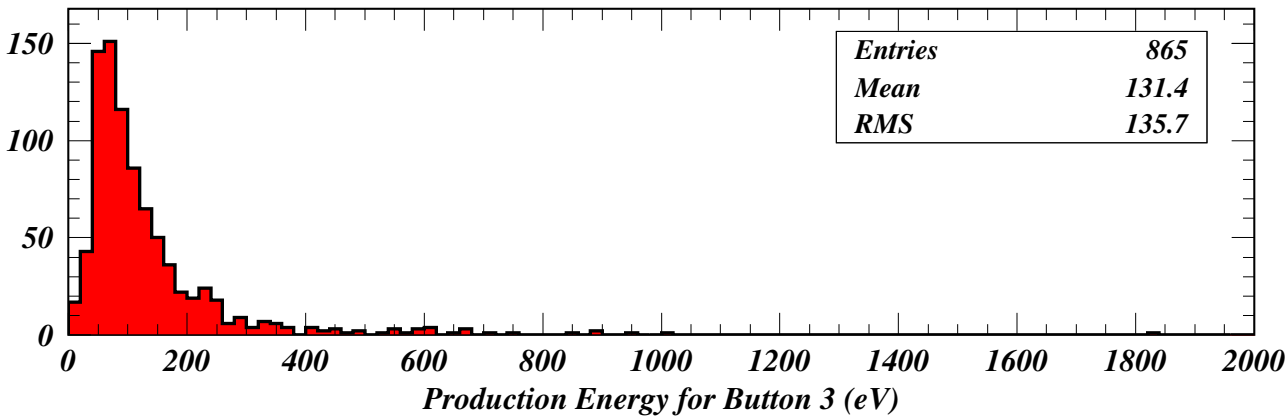


10/09/07 14.50

Job 16907: Button Signal Energies For 0 < T < 14 ns: Primaries Only

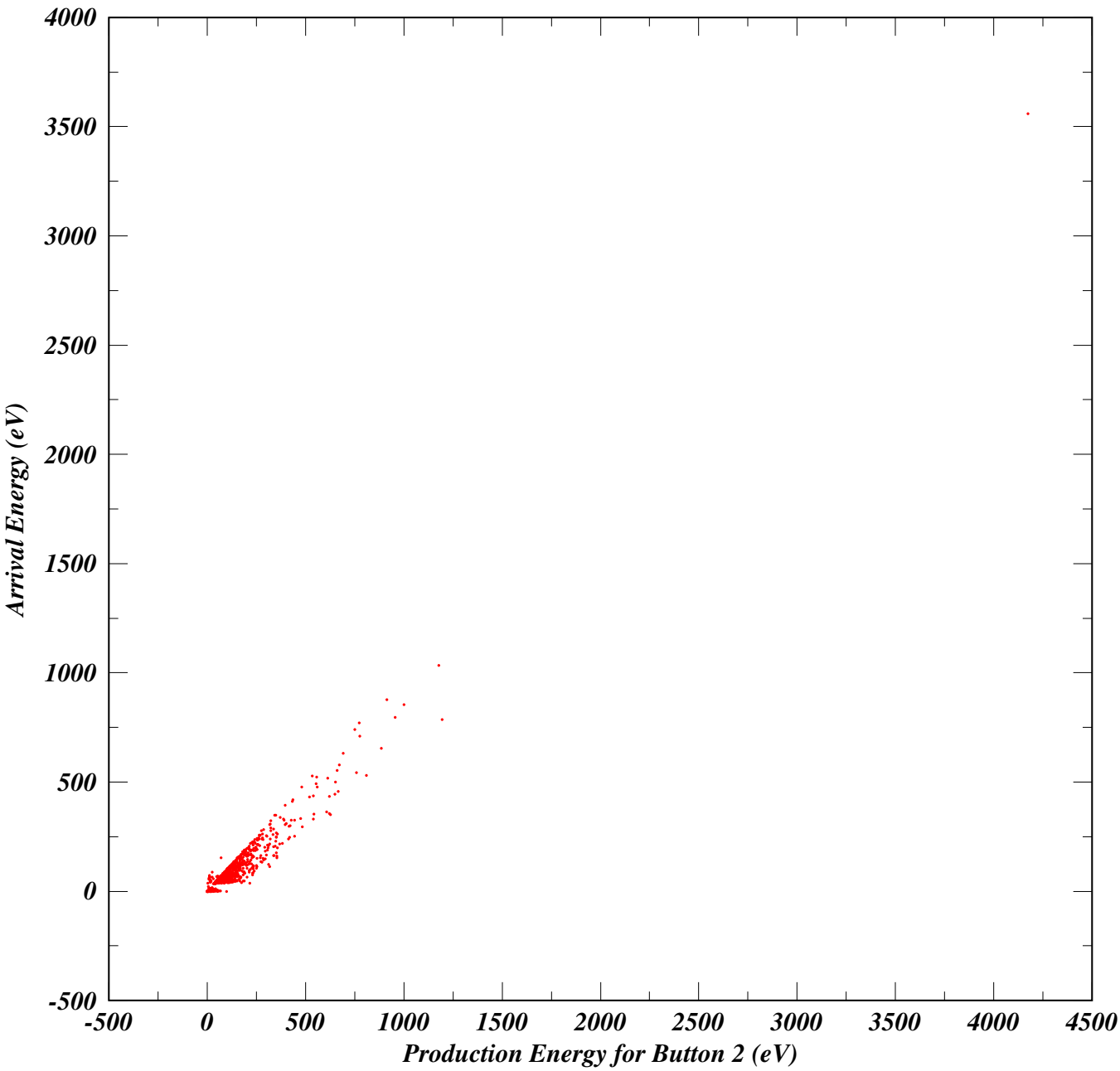






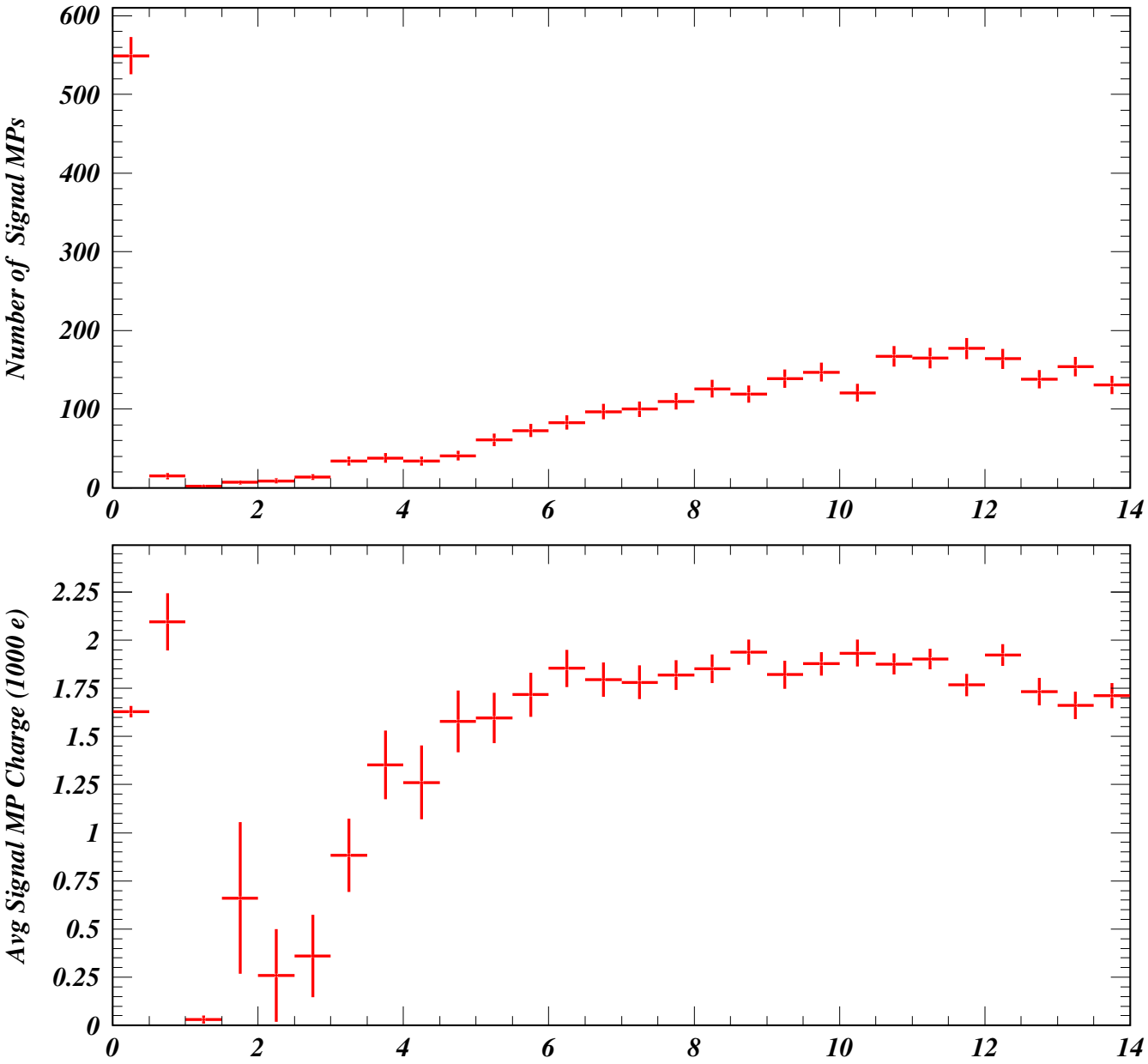
10/09/07 14.50

Job 16907: Button Signal Energies For 0 < T < 14 ns: Primaries Only



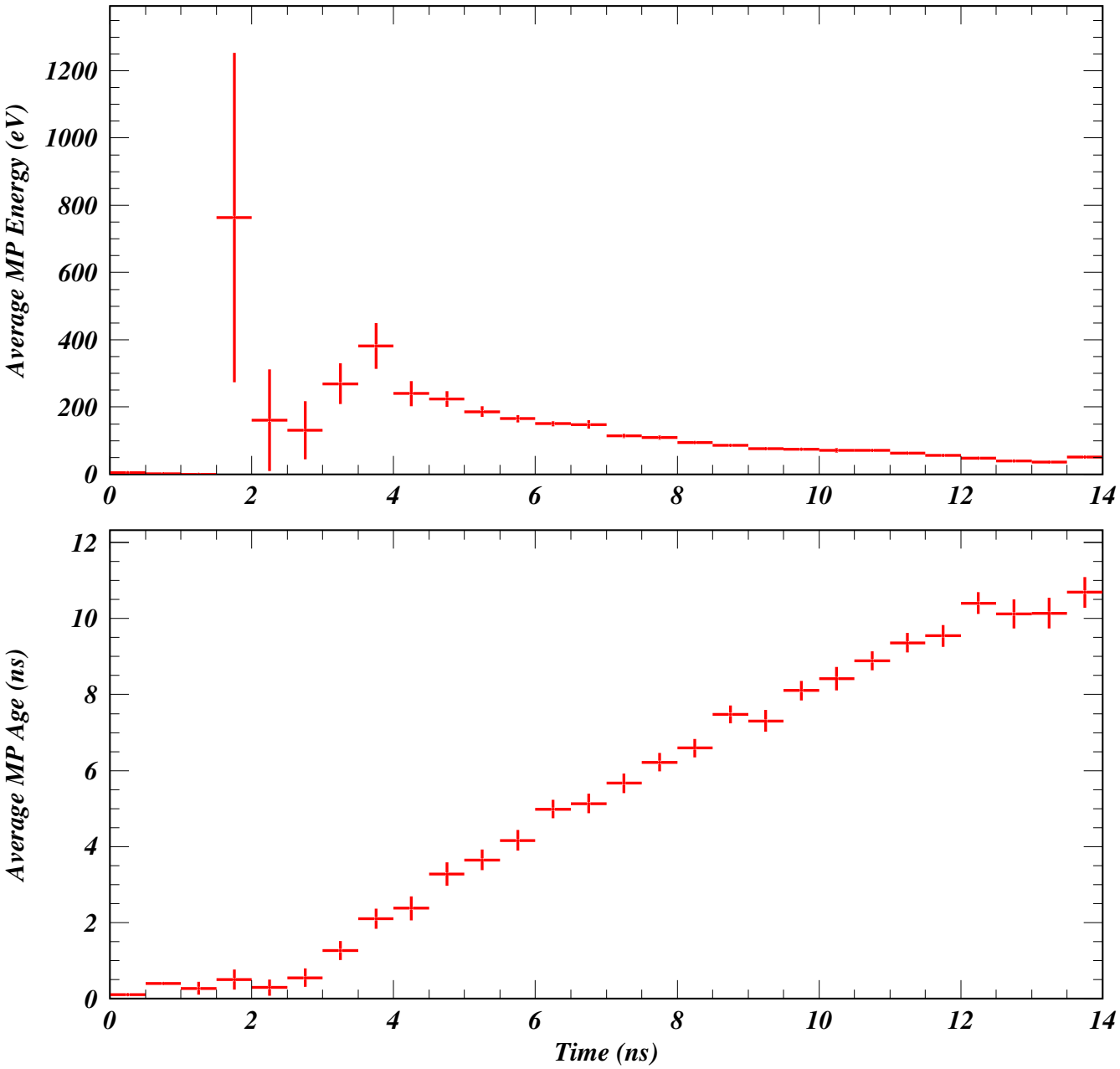
10/09/07 14.50

Job 16907: Button Signal Macroparticles For 0 < T < 14 ns



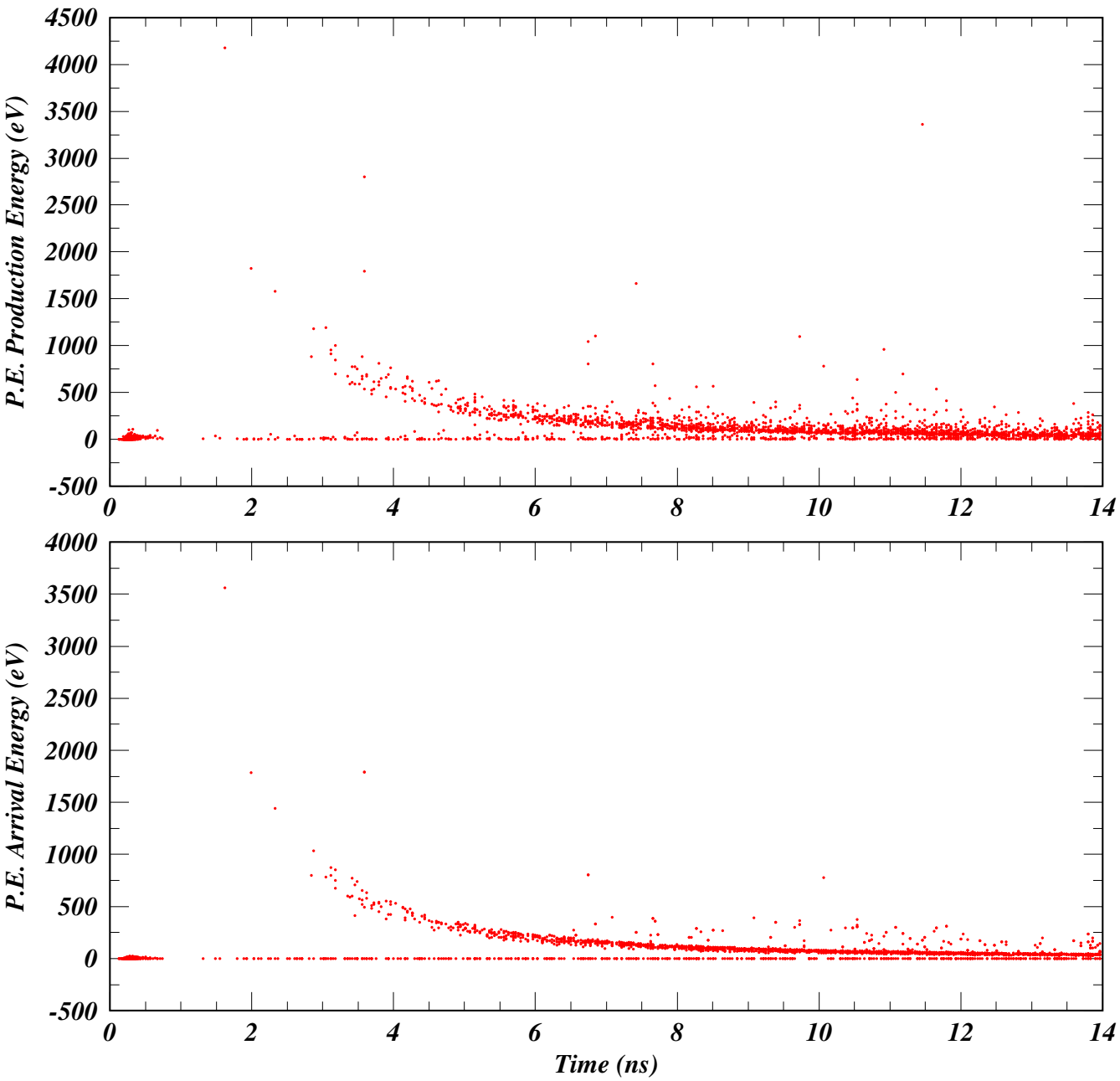
10/09/07 14.50

Job 16907: Button Signal Macroparticles For 0 < T < 14 ns



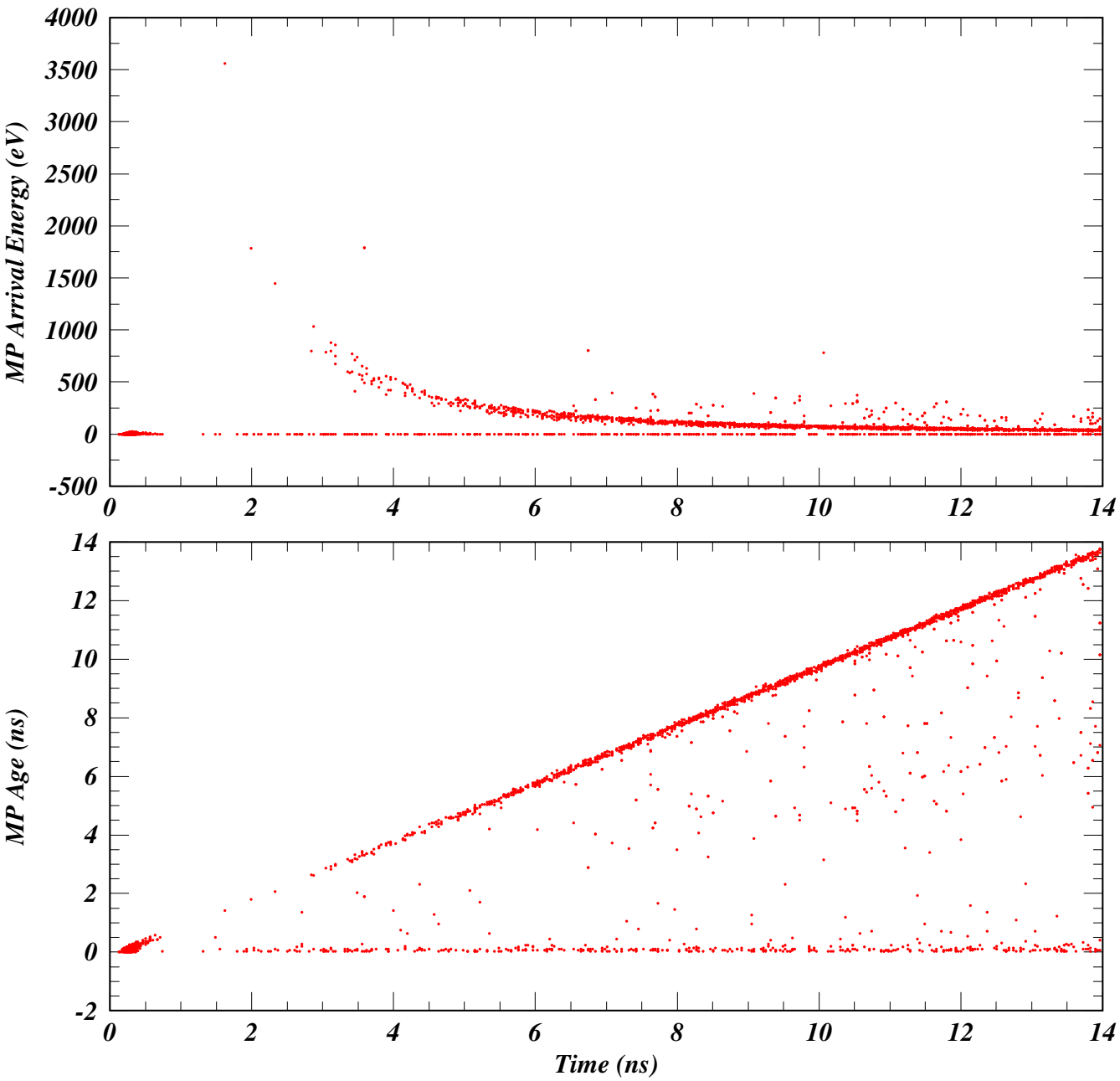
10/09/07 14.50

Job 16907: Button Signal Macroparticles For 0 < T < 14 ns



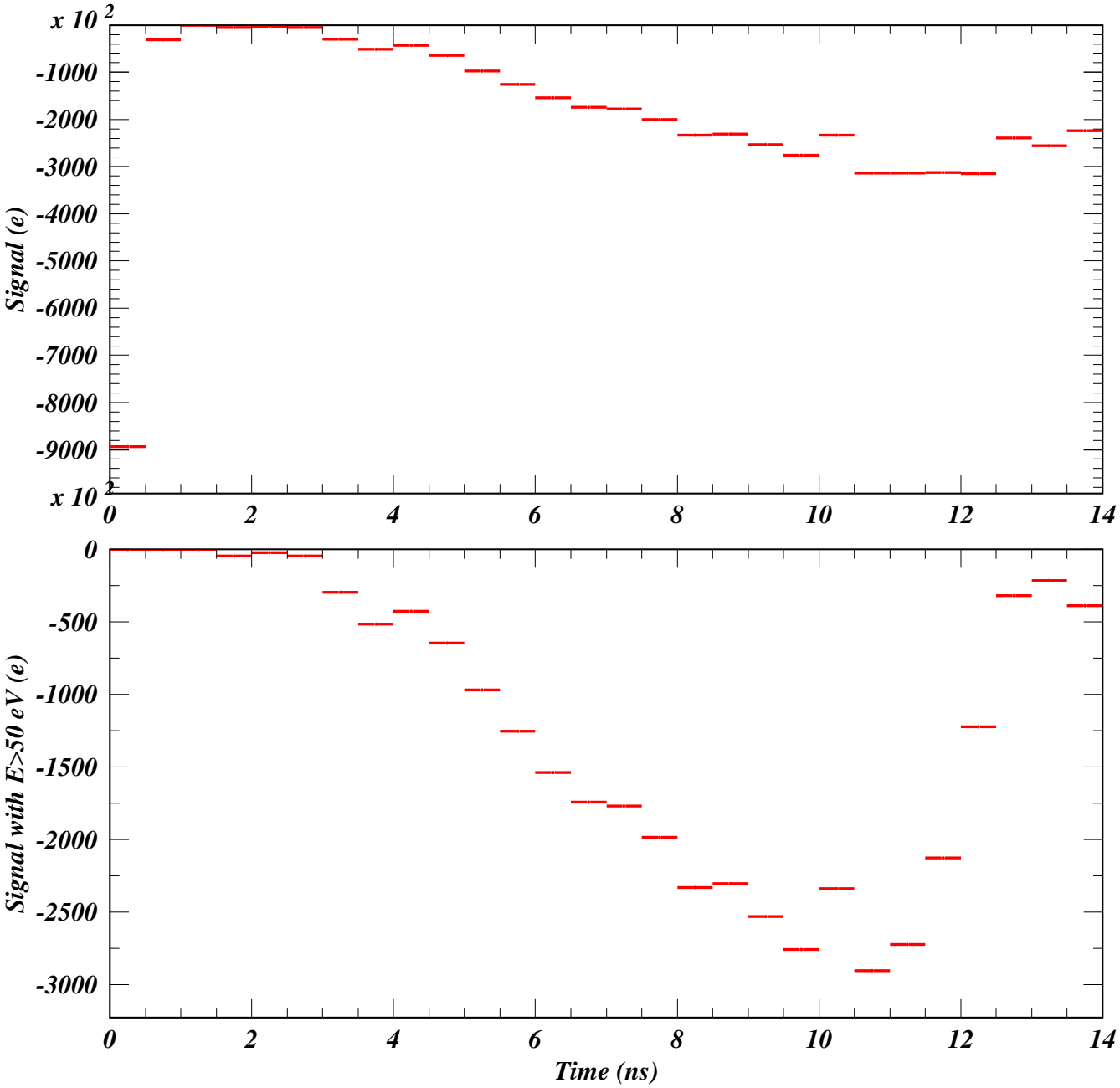
10/09/07 14.50

Job 16907: Button Signal Macroparticles For 0 < T < 14 ns



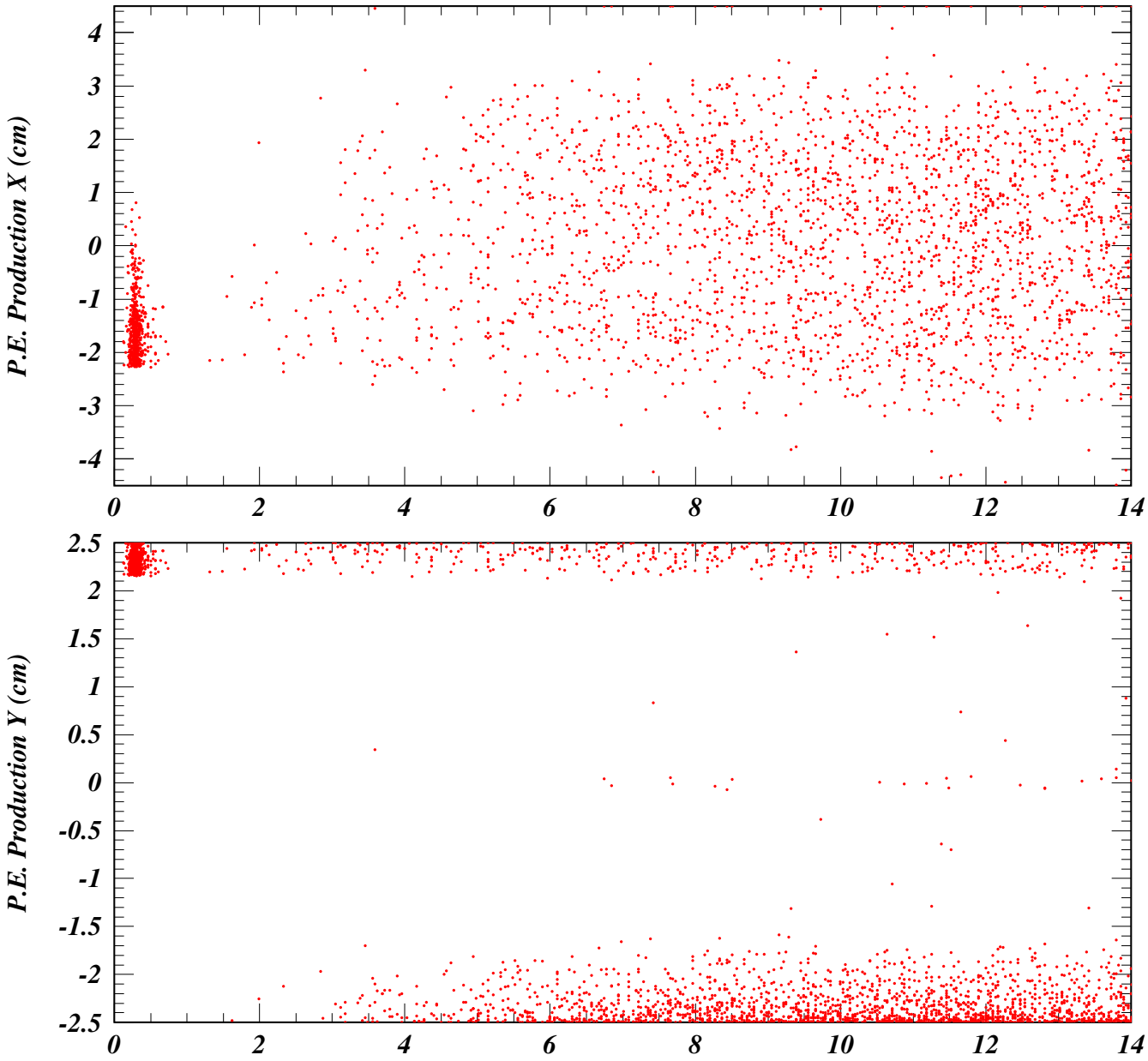
10/09/07 14.50

Job 16907: Button Signal Macroparticles For 0 < T < 14 ns



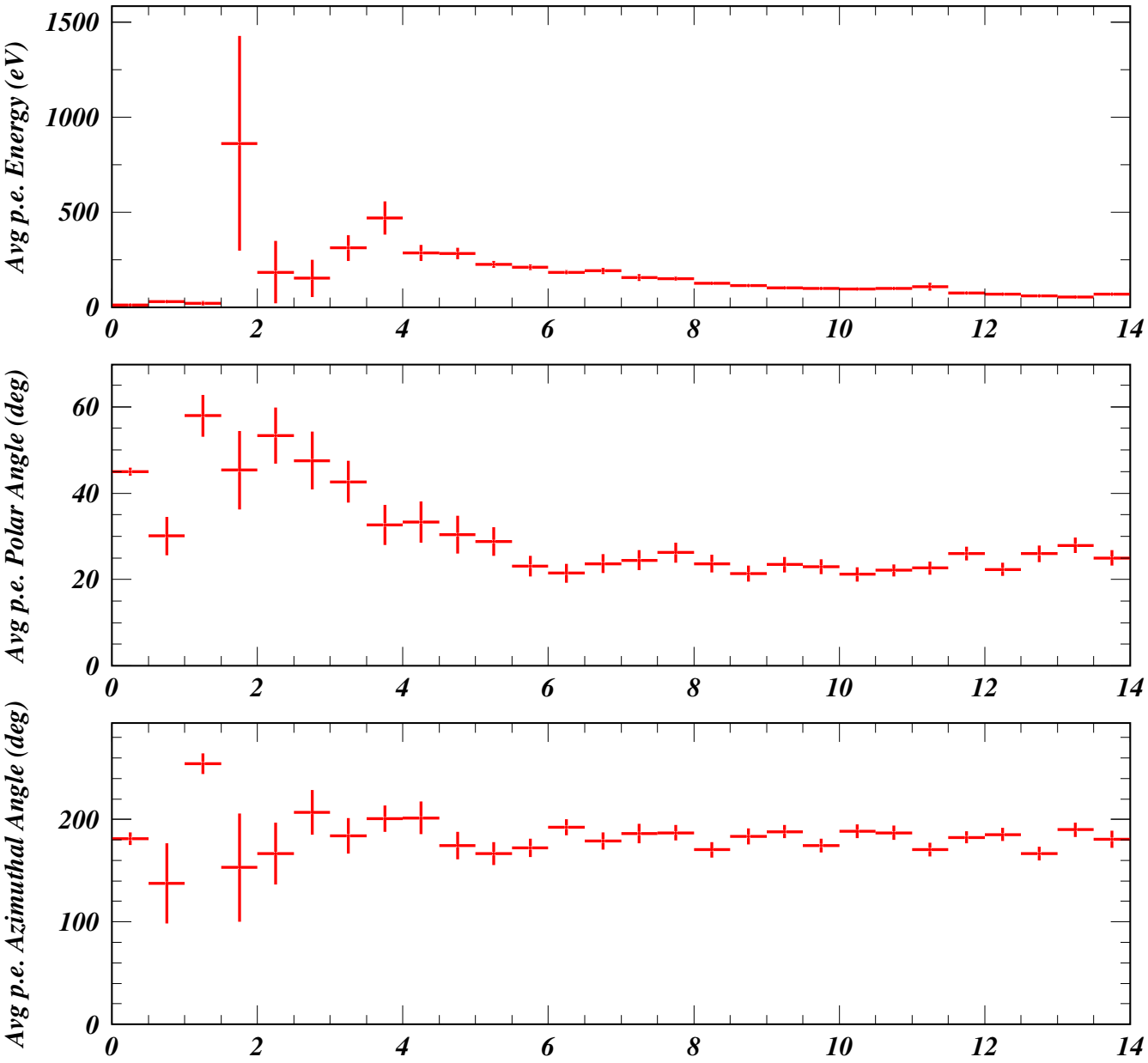
10/09/07 14.50

Job 16907: Button Signal Macroparticles For 0 < T < 14 ns

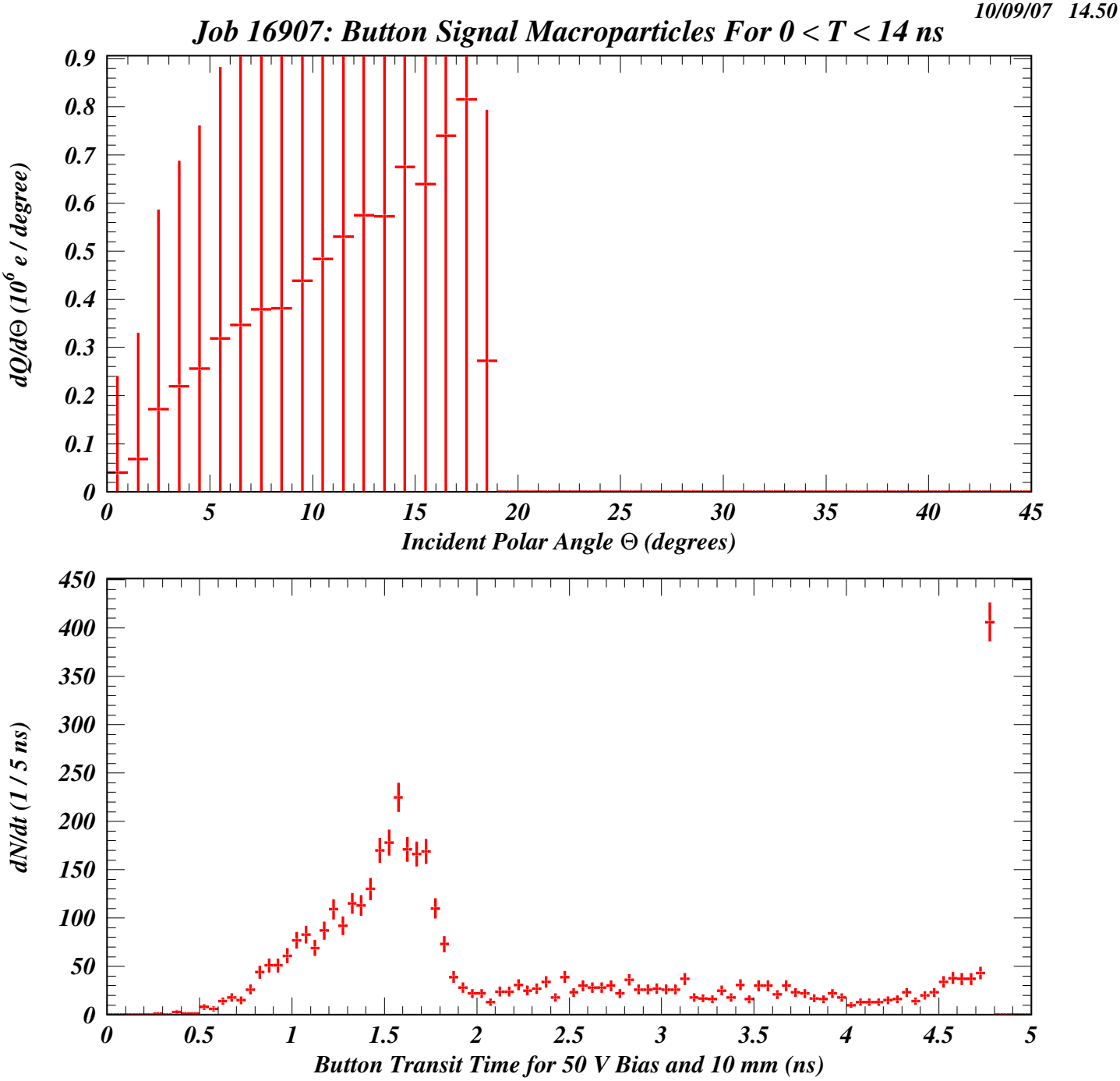


10/09/07 14.50

Job 16907: Button Signal Macroparticles For 0 < T < 14 ns



10/09/07 14.50


Job 16907: Button Signal Macroparticles For 0 < T < 14 ns
dQ/dΘ (10^6 e / degree)
0.9
0.8
0.7
0.6
0.5
0.4
0.3
0.2
0.1
0
0
5
10
15
20
25
30
35
40
45
Incident Polar Angle Θ (degrees)
dN/dt (1 / 5 ns)
450
400
350
300
250
200
150
100
50
0
0
0.5
1
1.5
2
2.5
3
3.5
4
4.5
5
Button Transit Time for 50 V Bias and 10 mm (ns)