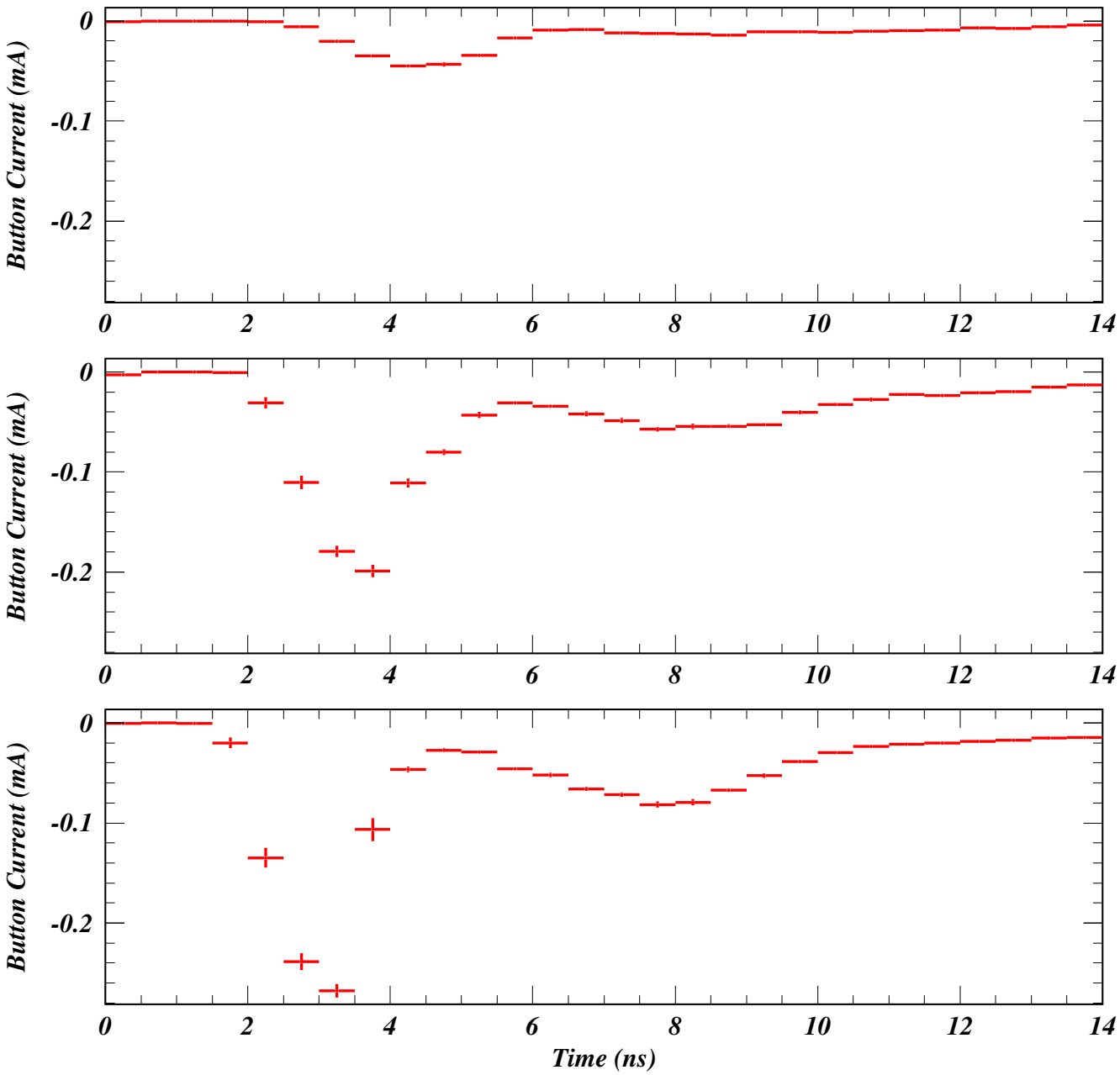
10/08/04 10.04

Job 16643: Shielded Button Simulation



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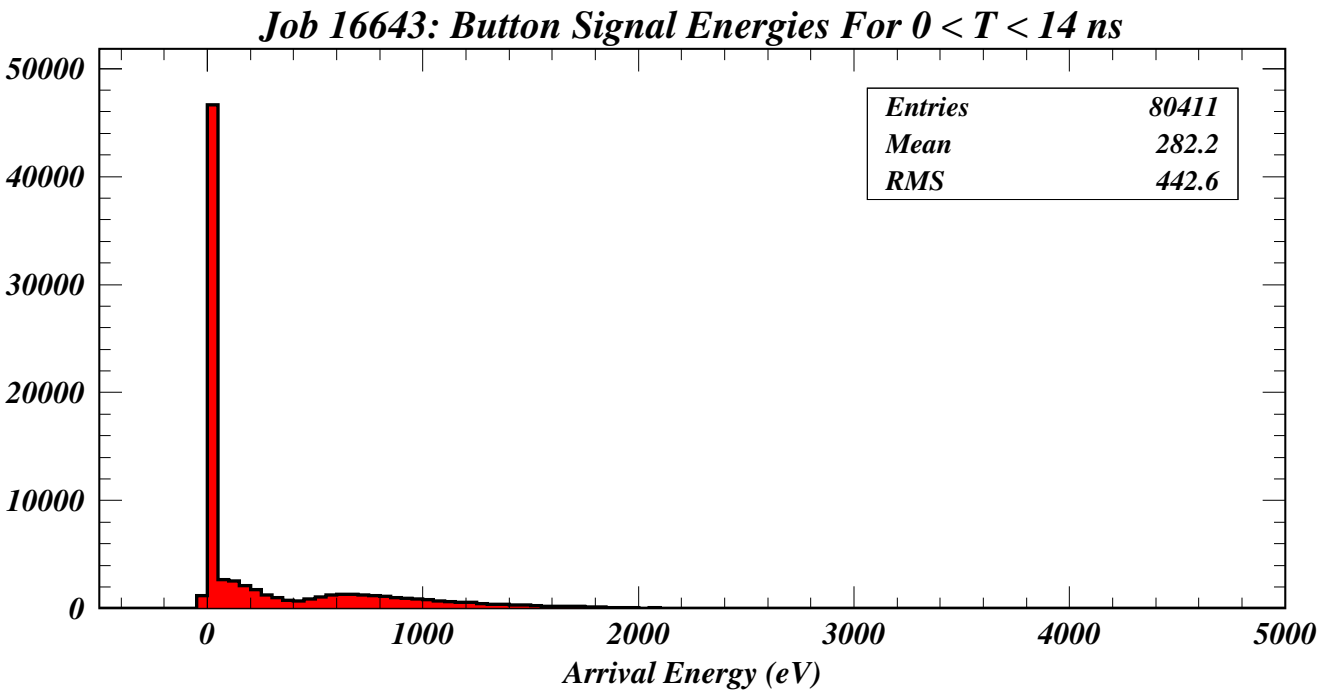
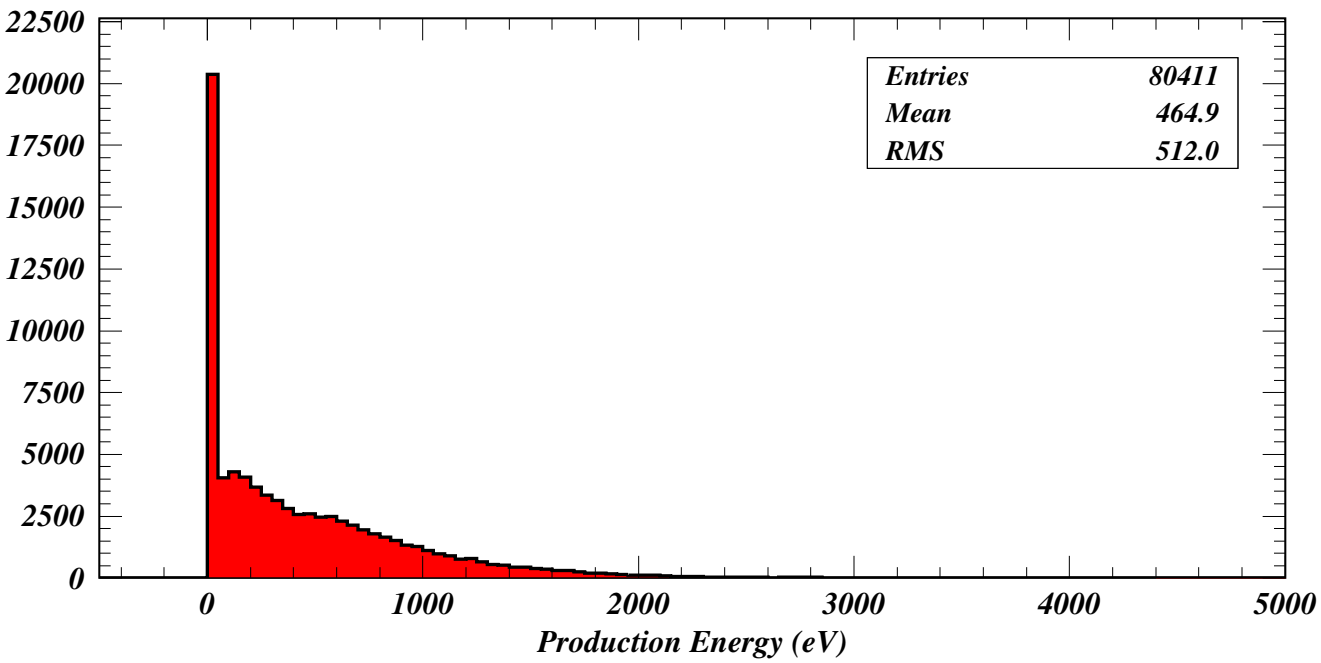

Job 16643: Button Signal Energies For 0 < T < 14 ns
Entries 80411
Mean 282.2
RMS 442.6
50000
40000
30000
20000
10000
0
0
1000
2000
3000
4000
5000
Arrival Energy (eV)


Entries 80411
Mean 464.9
RMS 512.0
22500
20000
17500
15000
12500
10000
7500
5000
2500
0
0
1000
2000
3000
4000
5000
Production Energy (eV)

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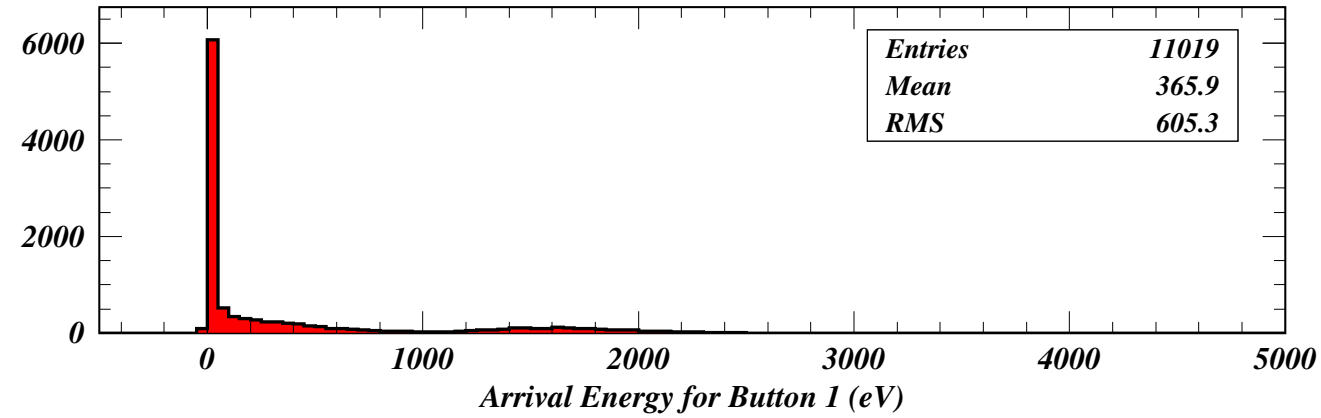
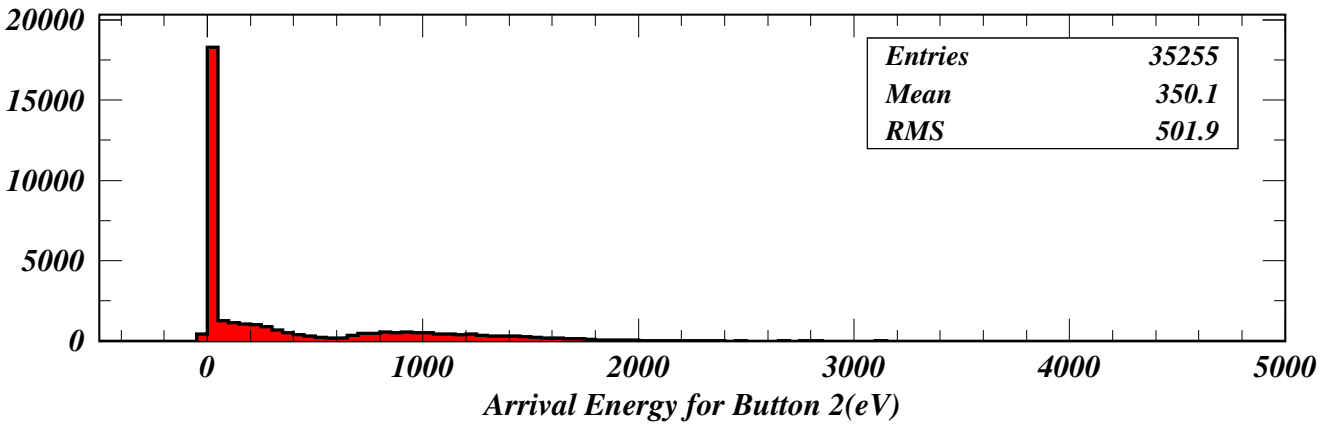
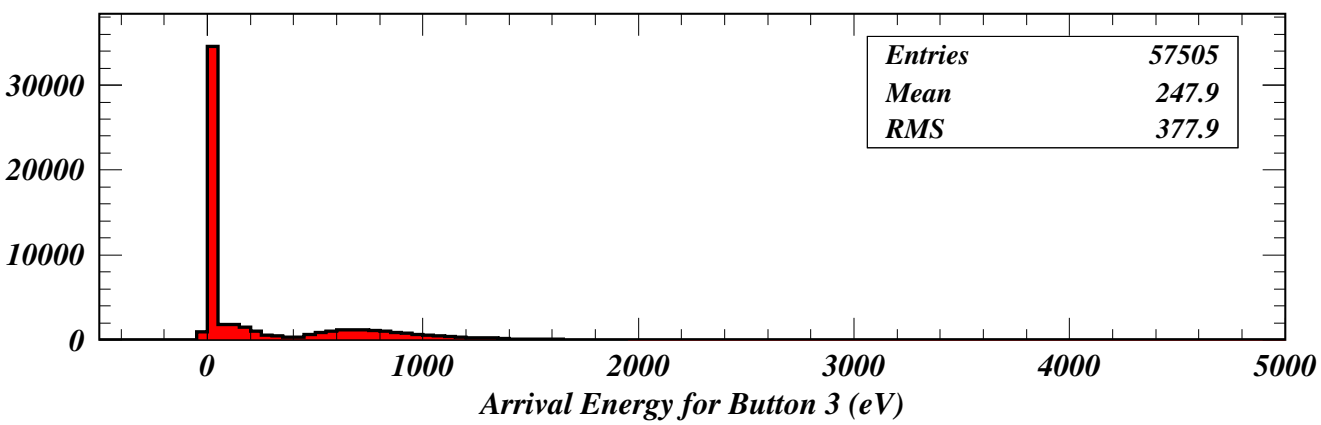
Job 16643: Button Signal Energies For 0 < T < 14 ns







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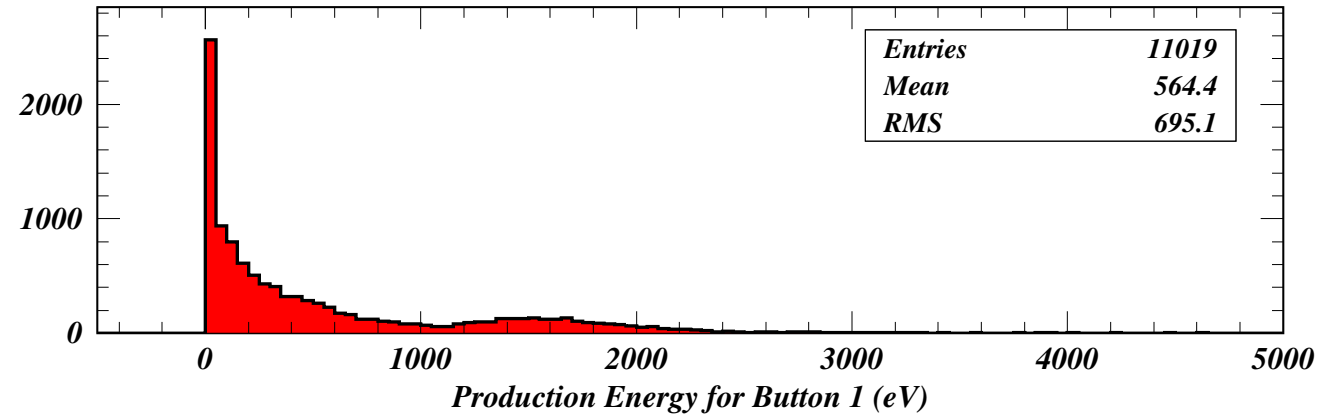
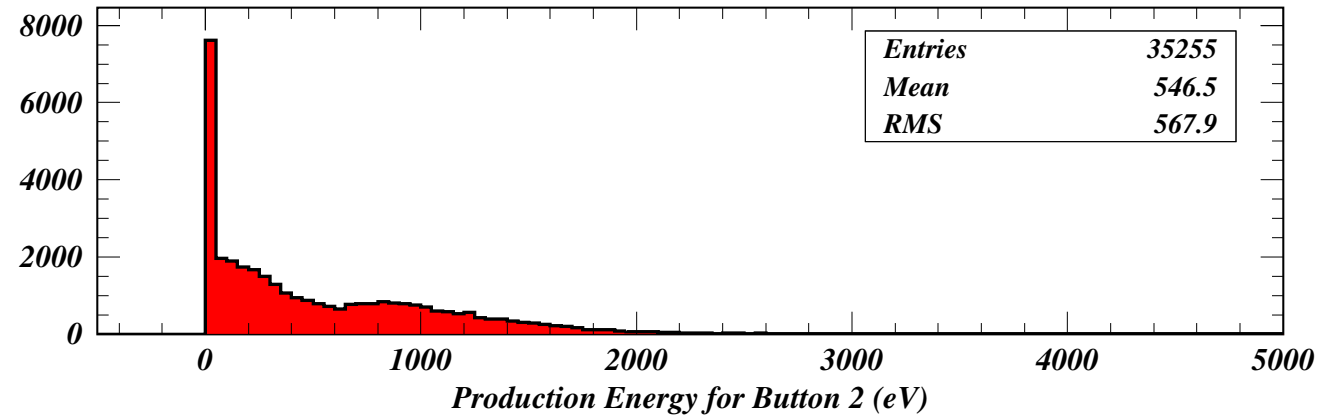
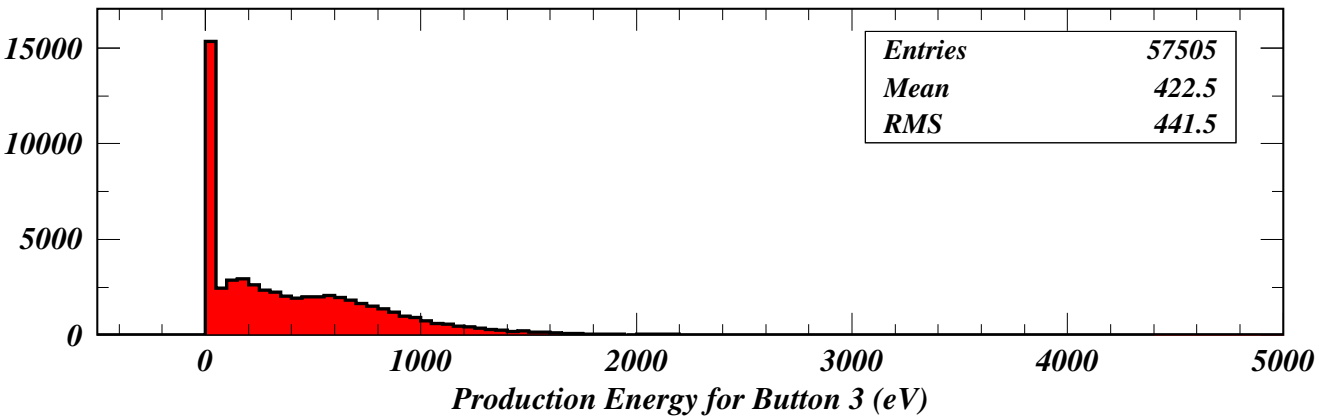
Job 16643: Button Signal Energies For 0 < T < 14 ns

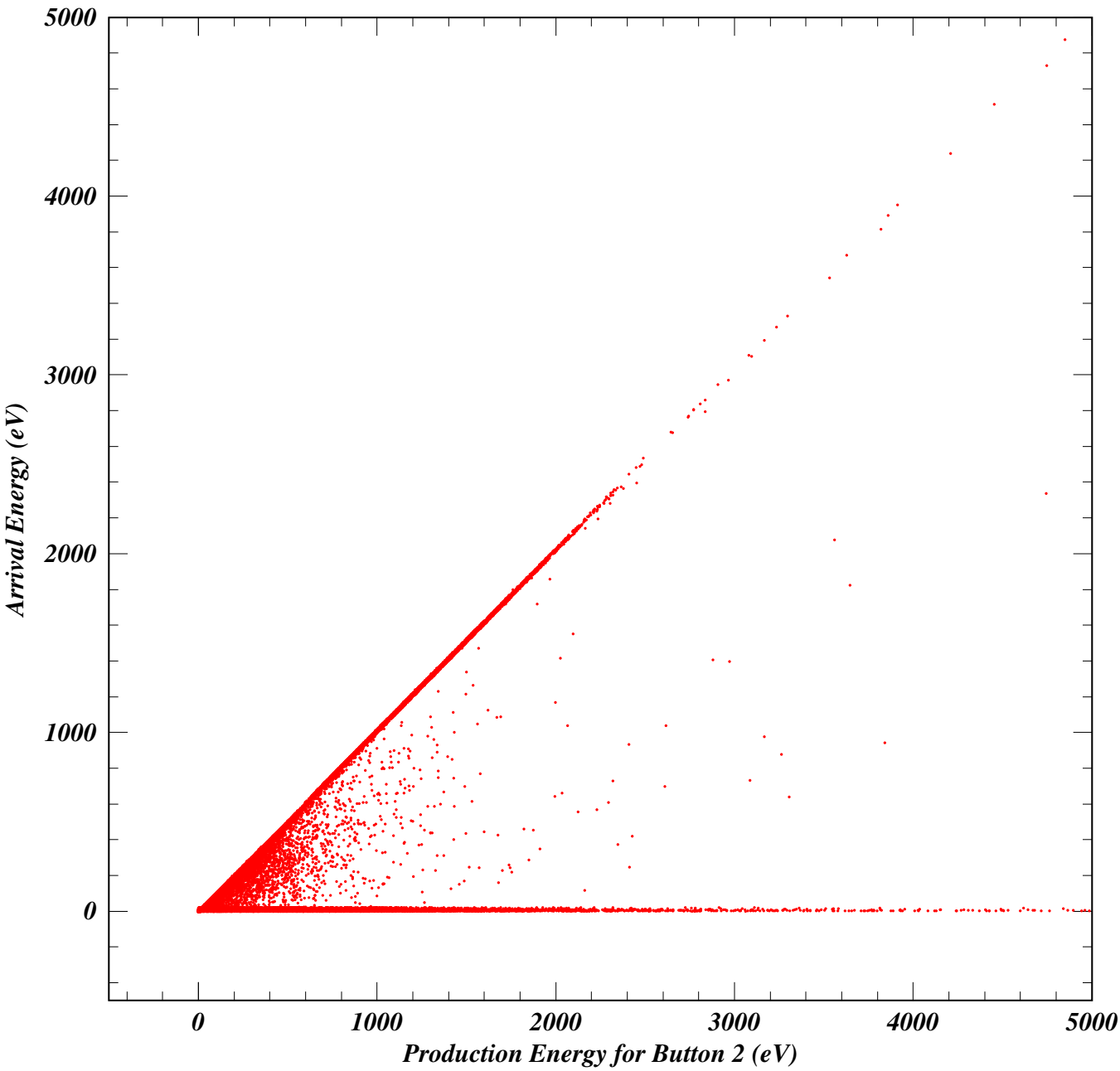






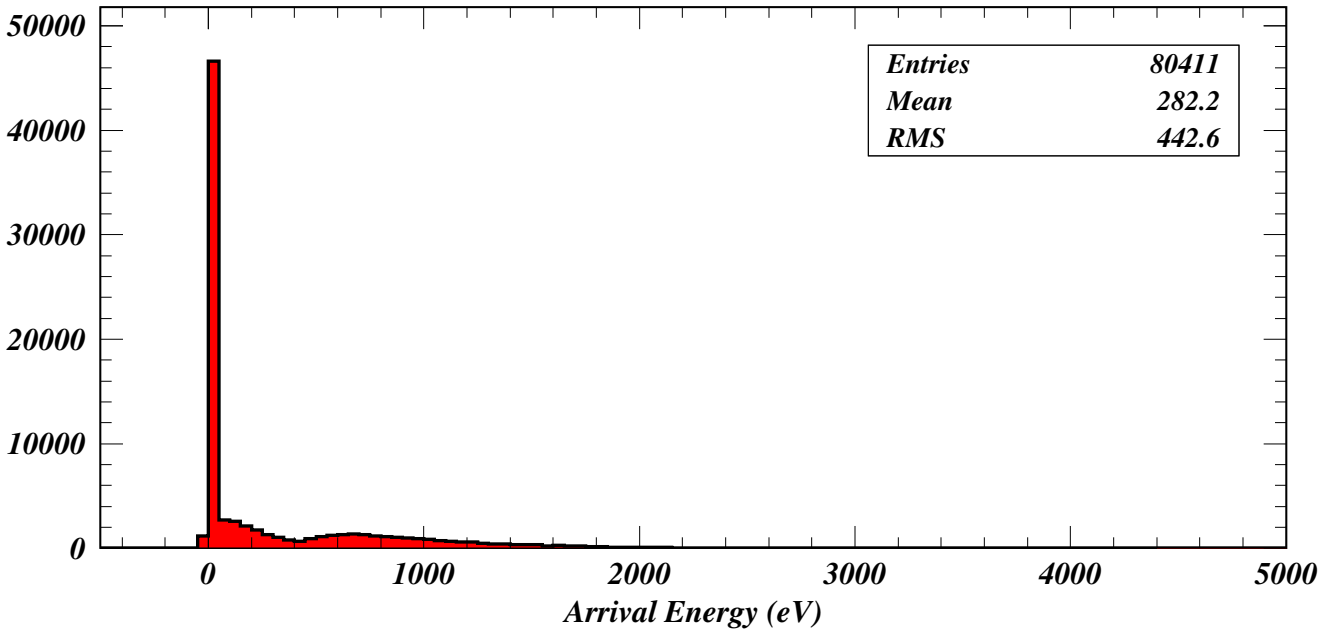
10/08/04 10.04

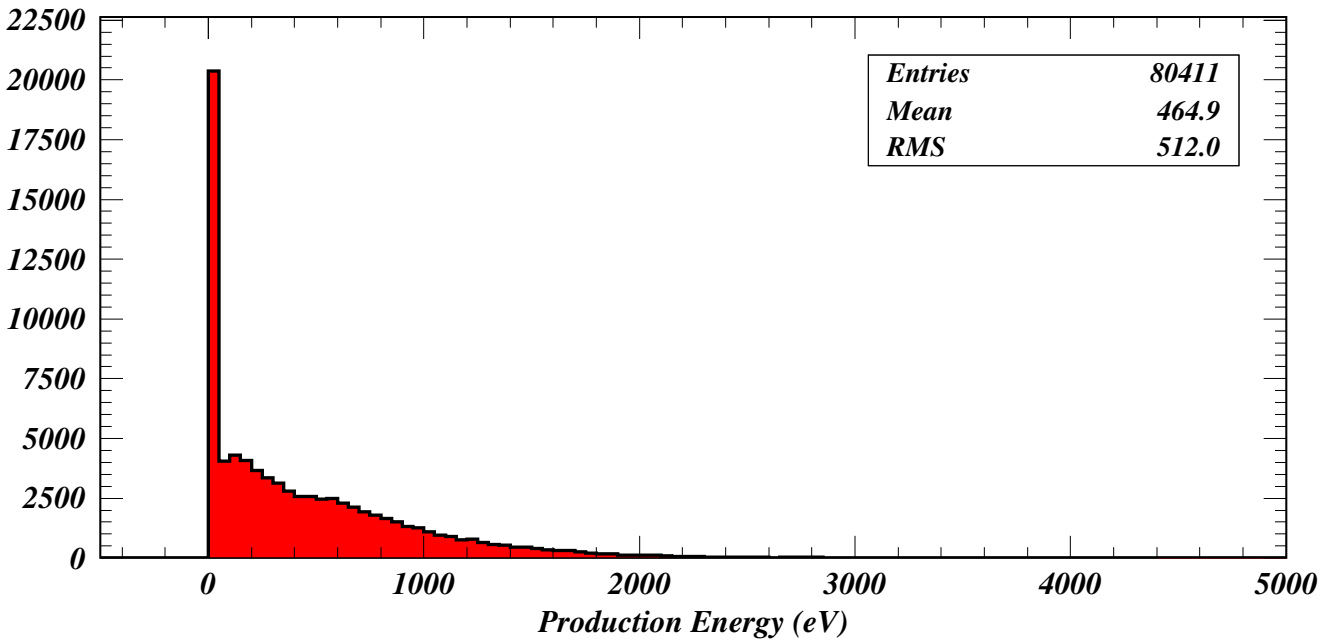
Job 16643: Button Signal Energies For 0 < T < 14 ns



10/08/04 10.04

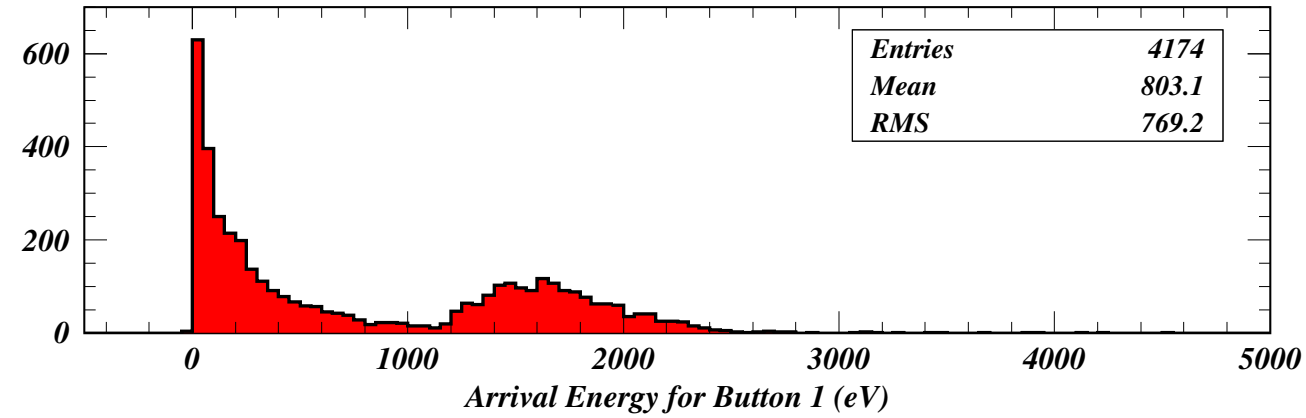
Job 16643: Button Signal Energies For 0 < T < 14 ns: Primaries Only

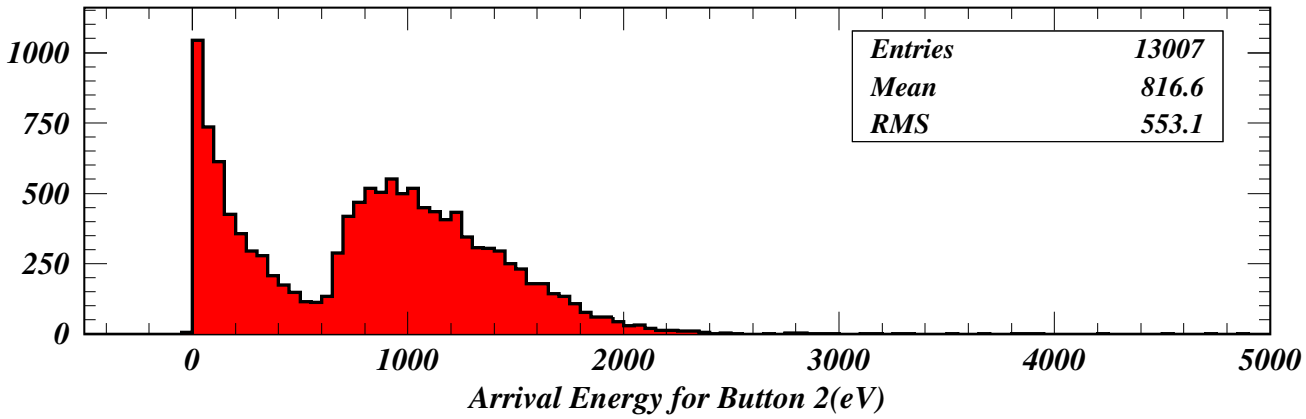


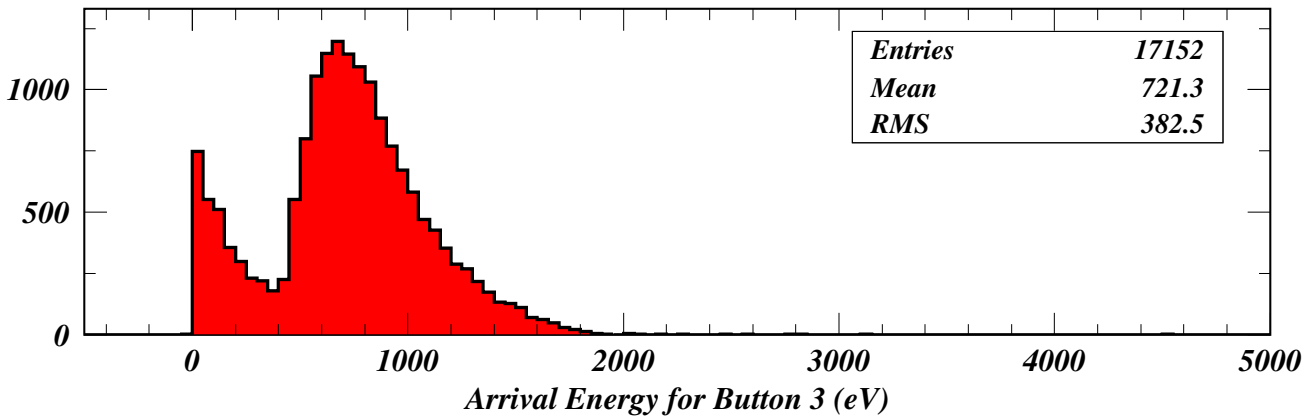


10/08/04 10.04

Job 16643: Button Signal Energies For 0 < T < 14 ns: Primaries Only

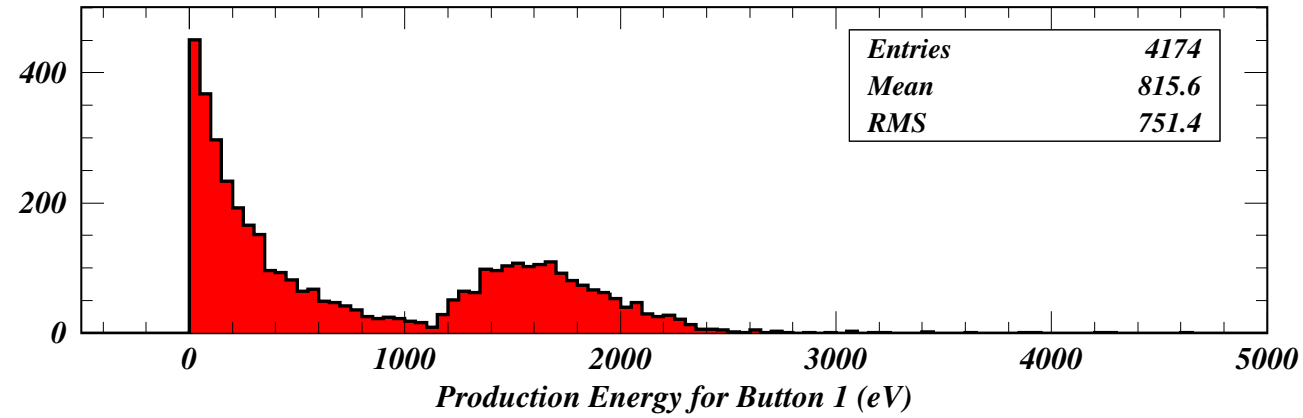


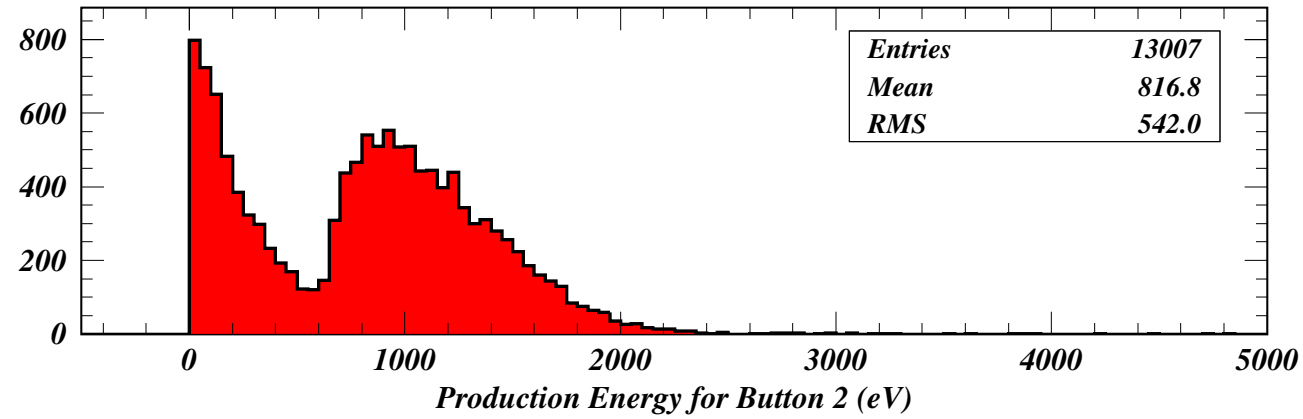


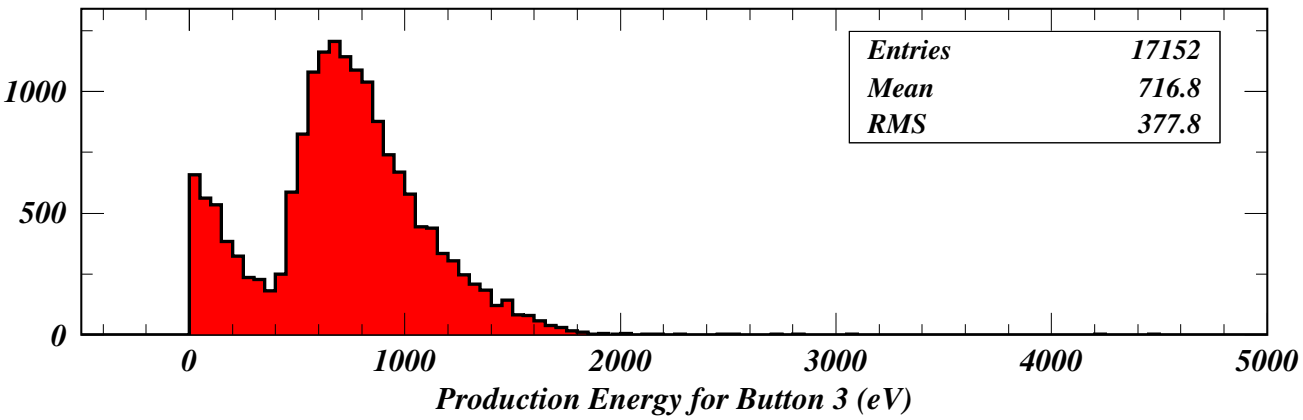


10/08/04 10.04

Job 16643: Button Signal Energies For 0 < T < 14 ns: Primaries Only

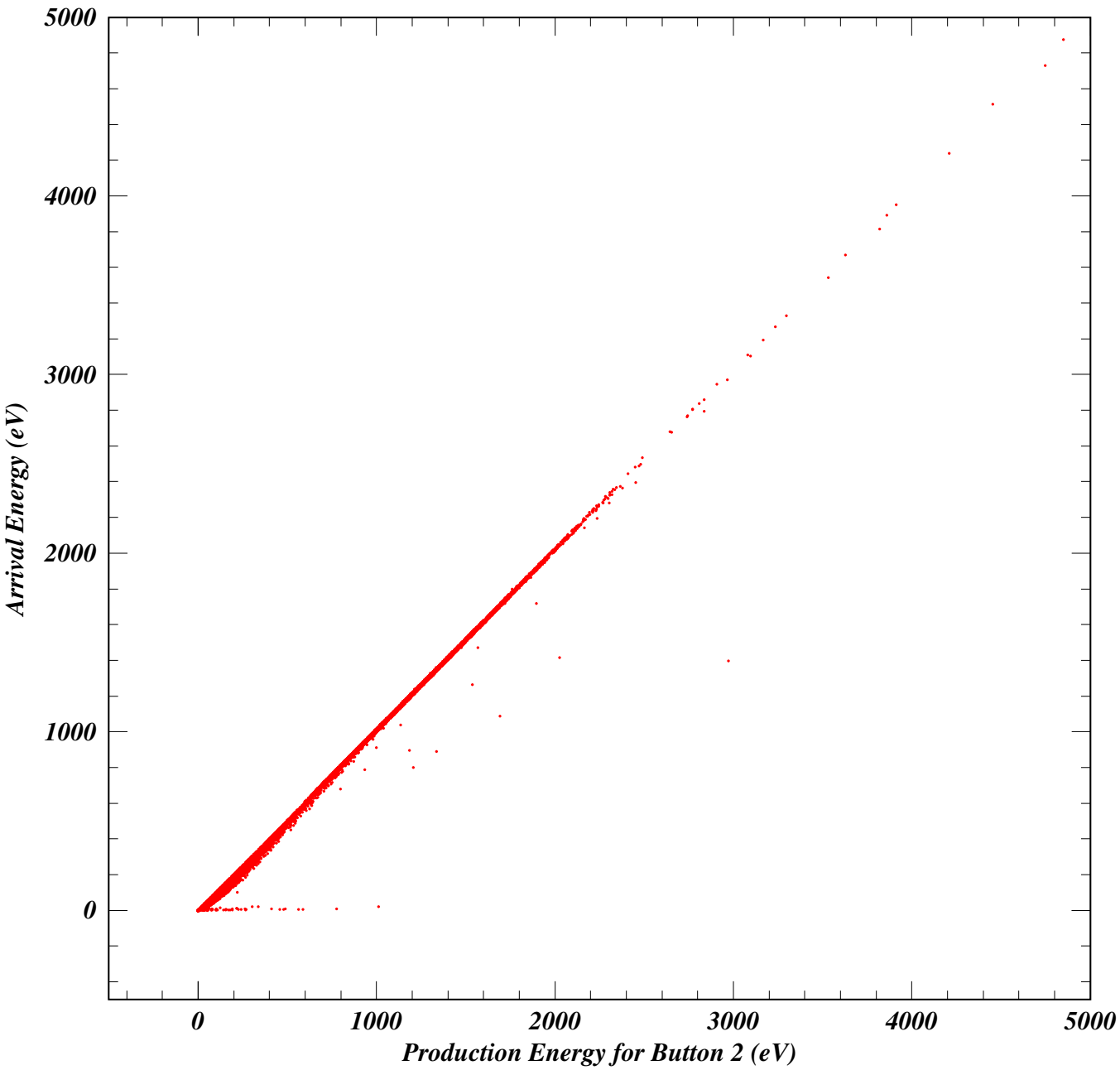






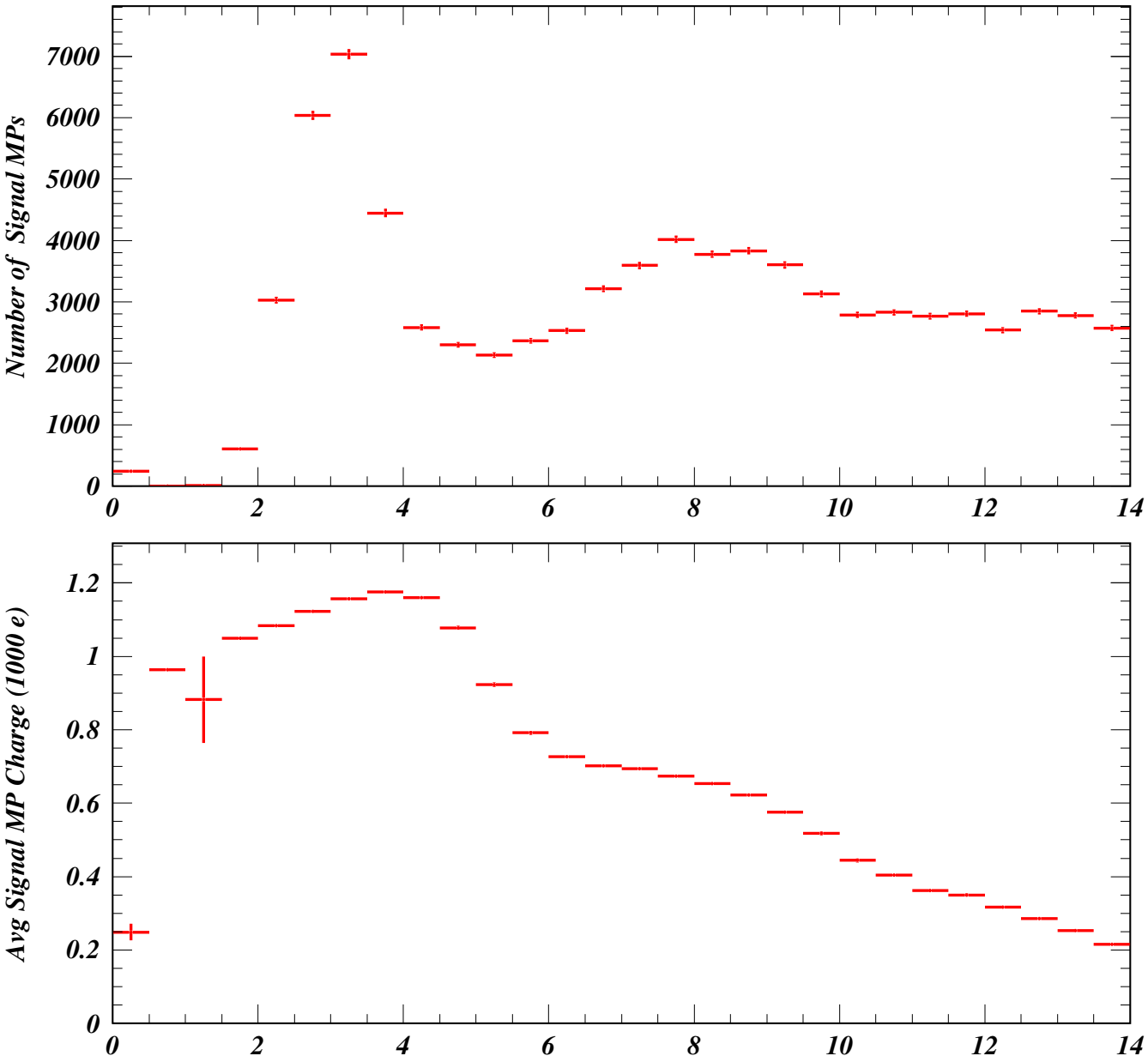
10/08/04 10.04

Job 16643: Button Signal Energies For 0 < T < 14 ns: Primaries Only



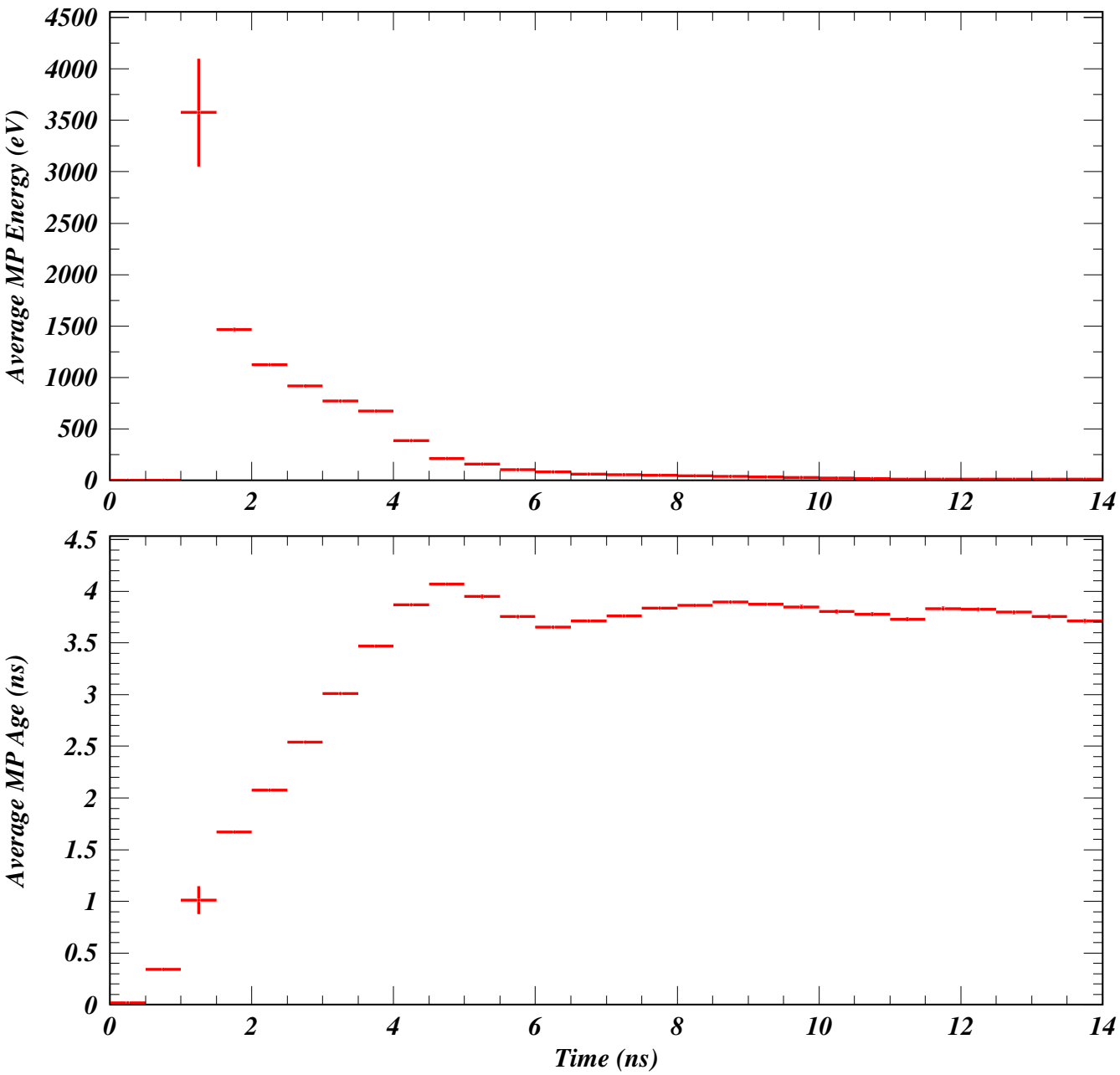
10/08/04 10.04

Job 16643: Button Signal Macroparticles For 0 < T < 14 ns



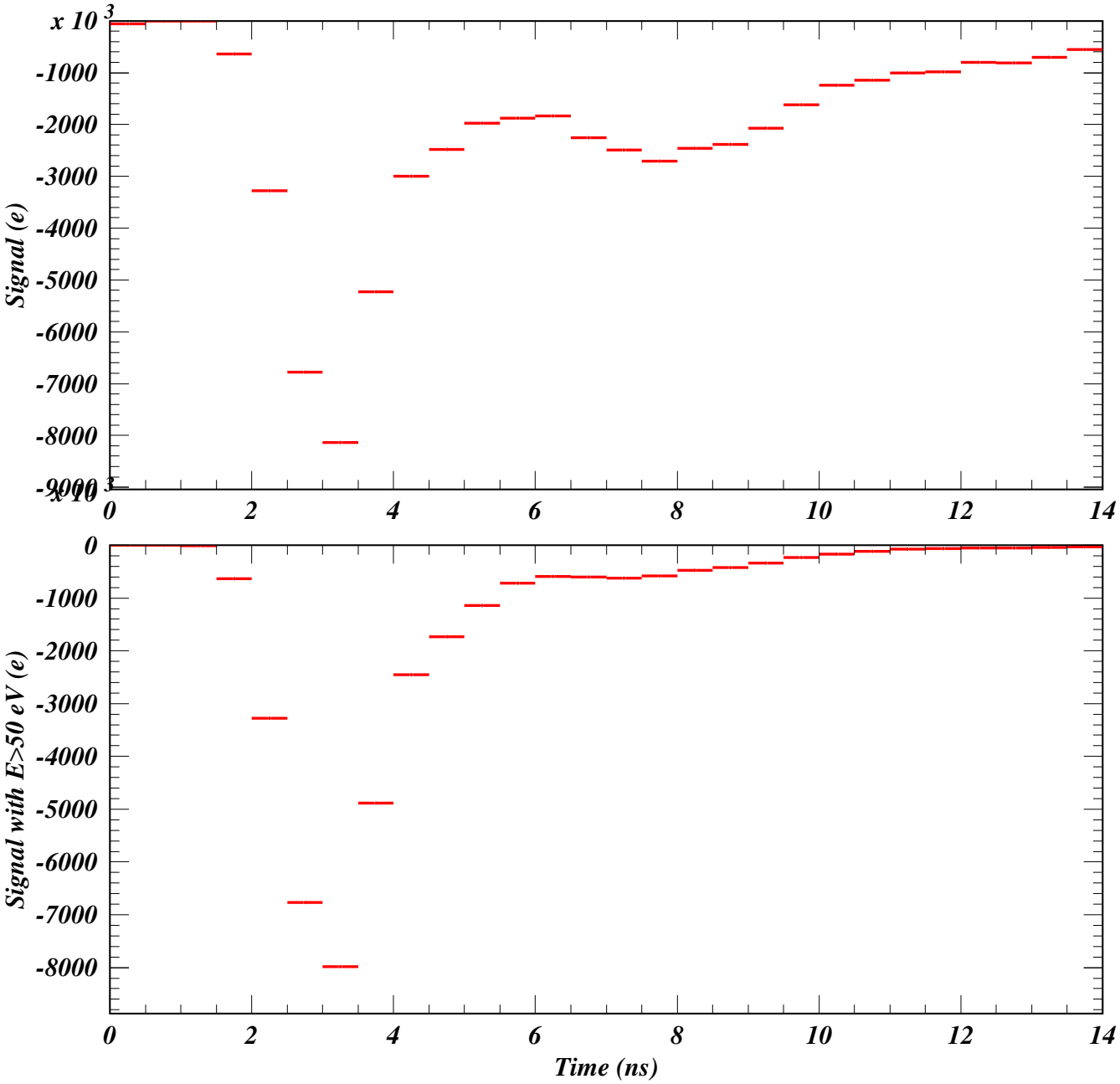
10/08/04 10.04

Job 16643: Button Signal Macroparticles For 0 < T < 14 ns



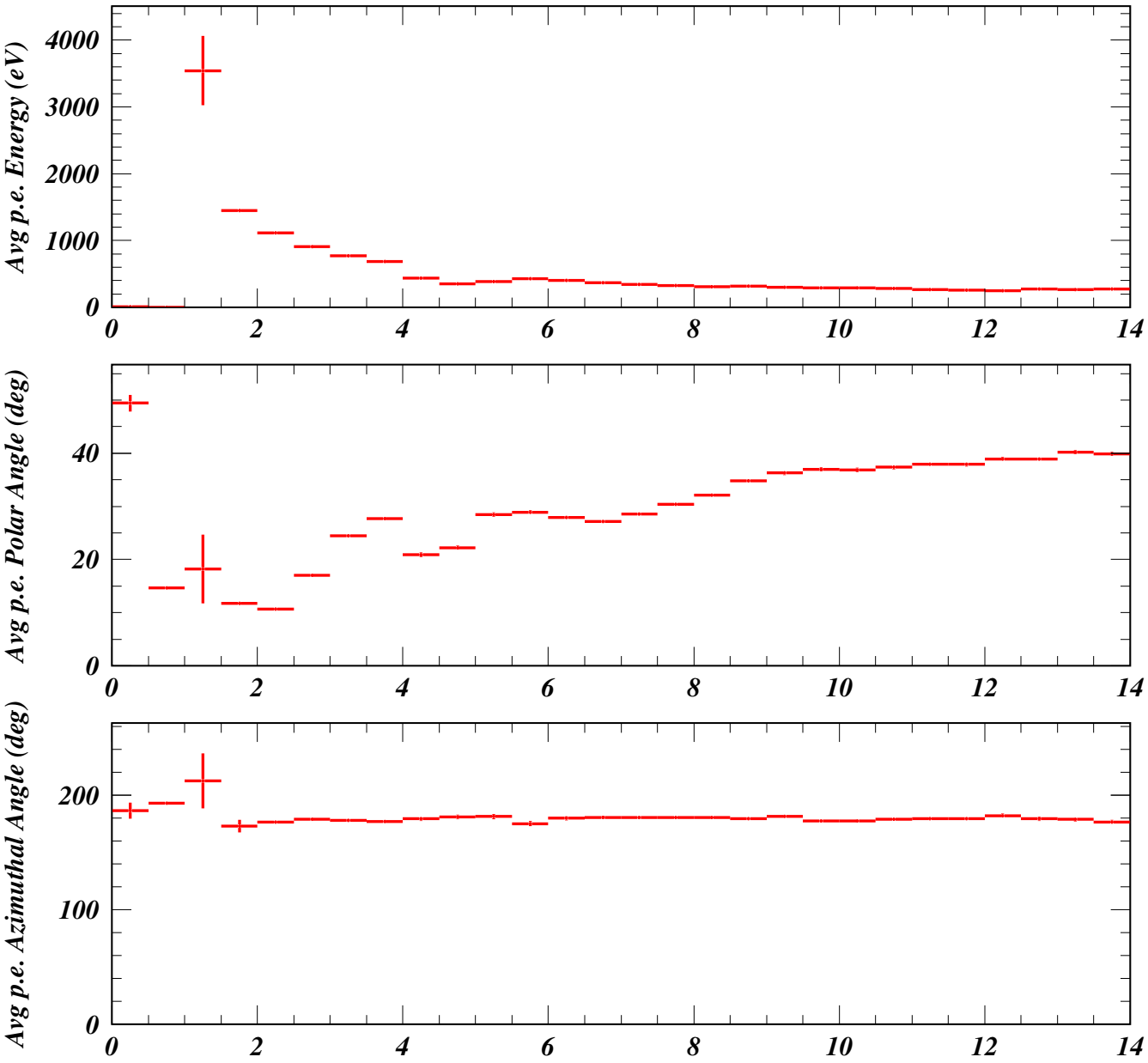
10/08/04 10.04

Job 16643: Button Signal Macroparticles For 0 < T < 14 ns

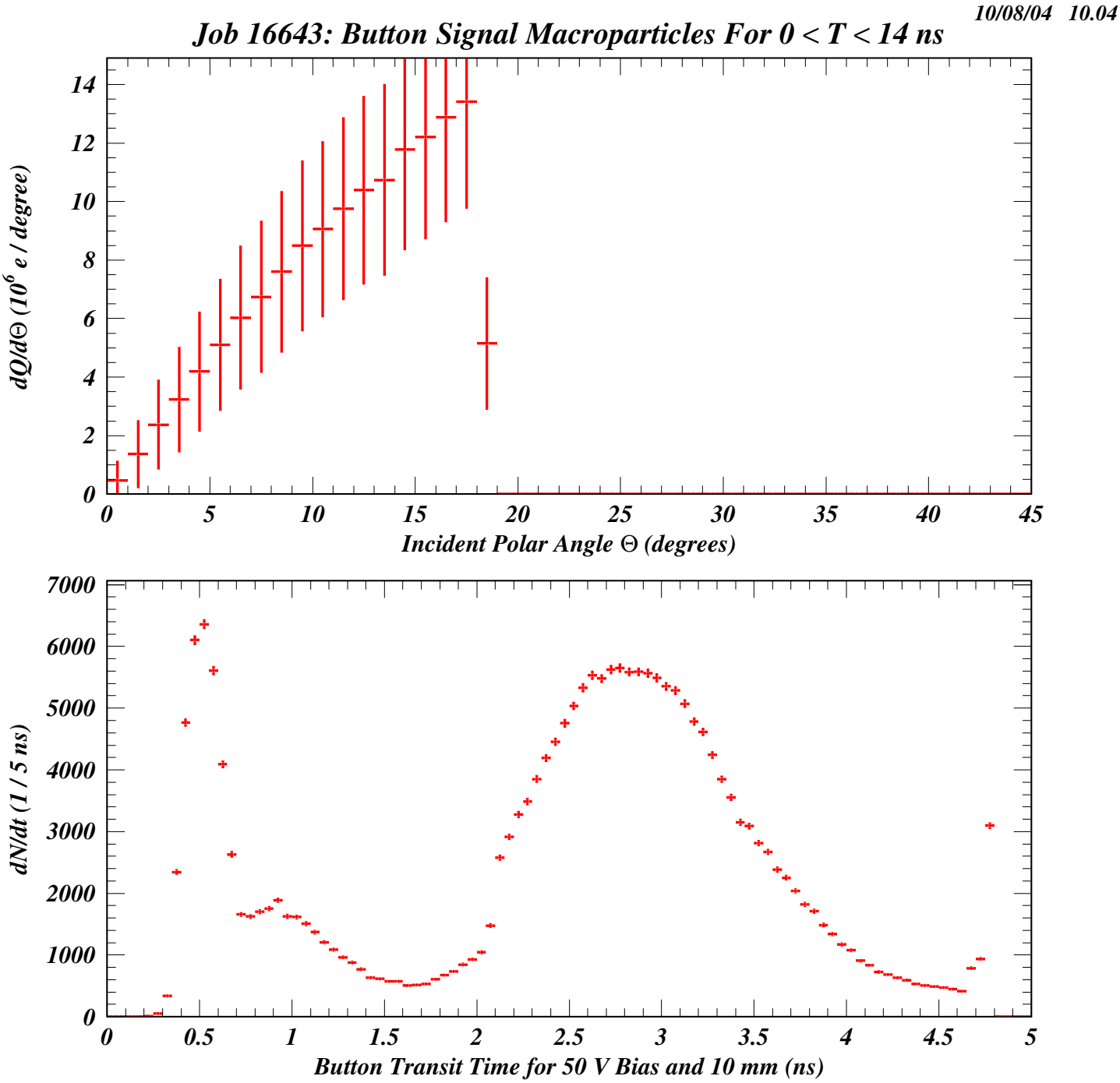


10/08/04 10.04

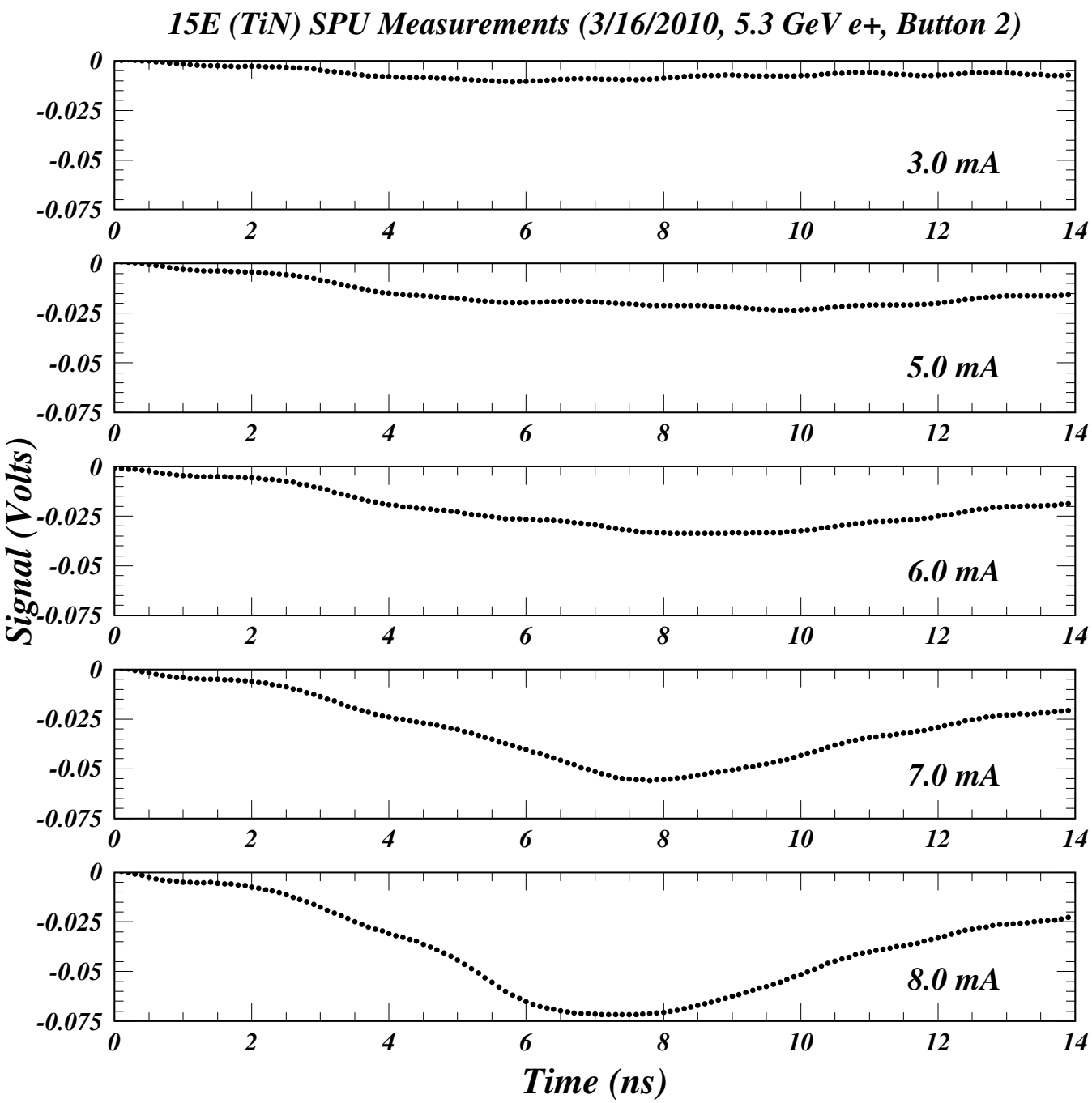
Job 16643: Button Signal Macroparticles For 0 < T < 14 ns



10/08/04 10.04


Job 16643: Button Signal Macroparticles For 0 < T < 14 ns
dQ/dΘ (10^6 e / degree)
Incident Polar Angle Θ (degrees)
dN/dt (1 / 5 ns)
Button Transit Time for 50 V Bias and 10 mm (ns)

10/08/04 10.04


15E (TiN) SPU Measurements (3/16/2010, 5.3 GeV e+, Button 2)
Signal (Volts)
3.0 mA
5.0 mA
6.0 mA
7.0 mA
8.0 mA
0
-0.025
-0.05
-0.075
0
2
4
6
8
10
12
14
Time (ns)