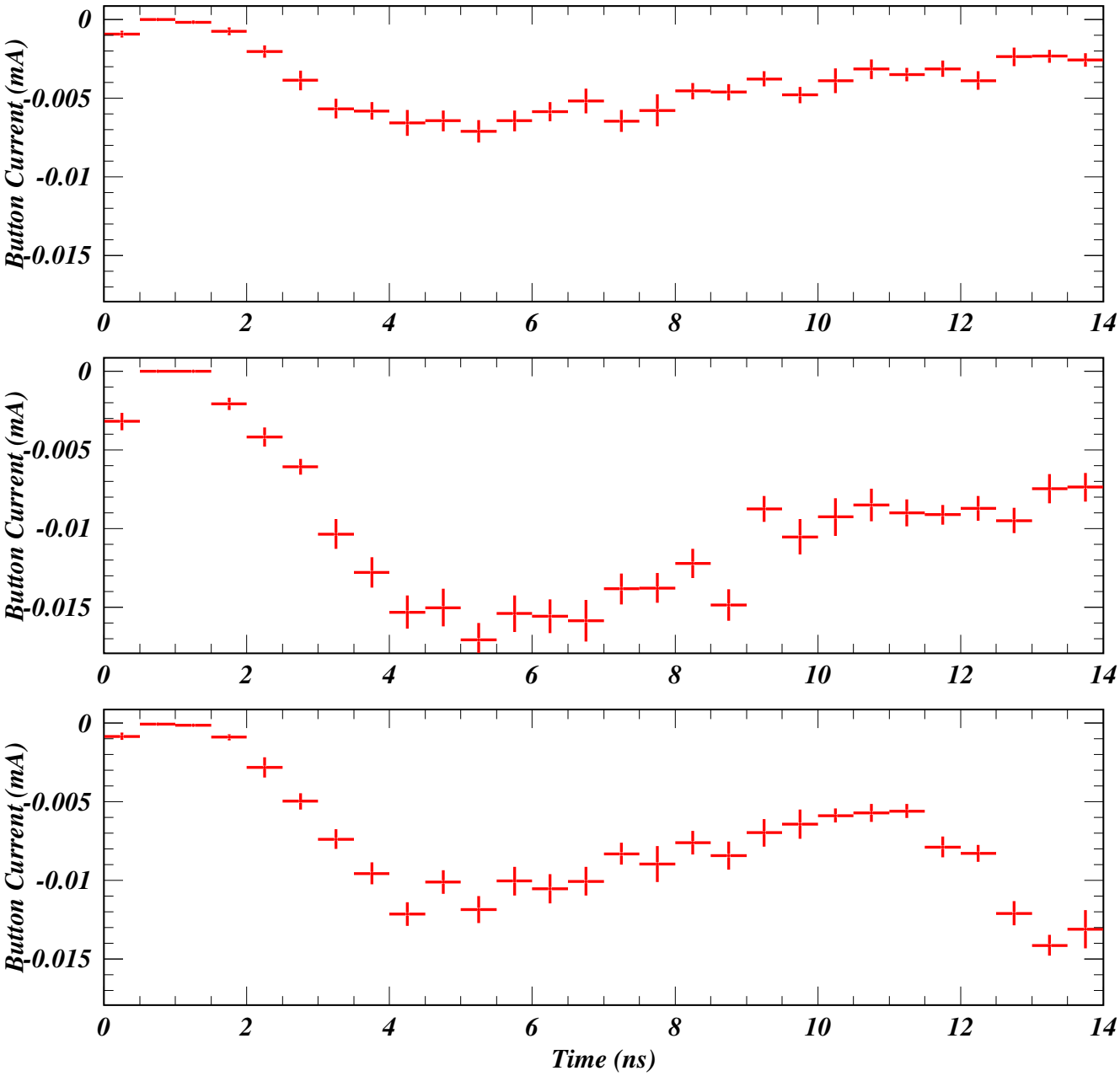
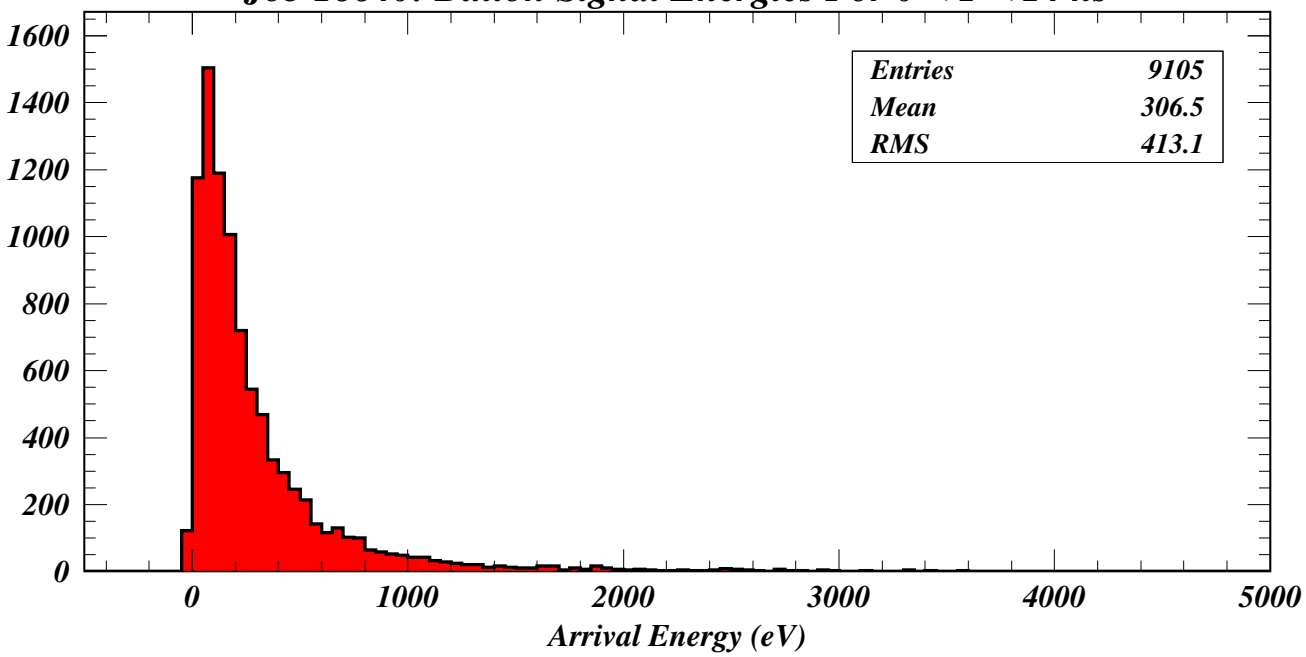
10/08/04 10.57

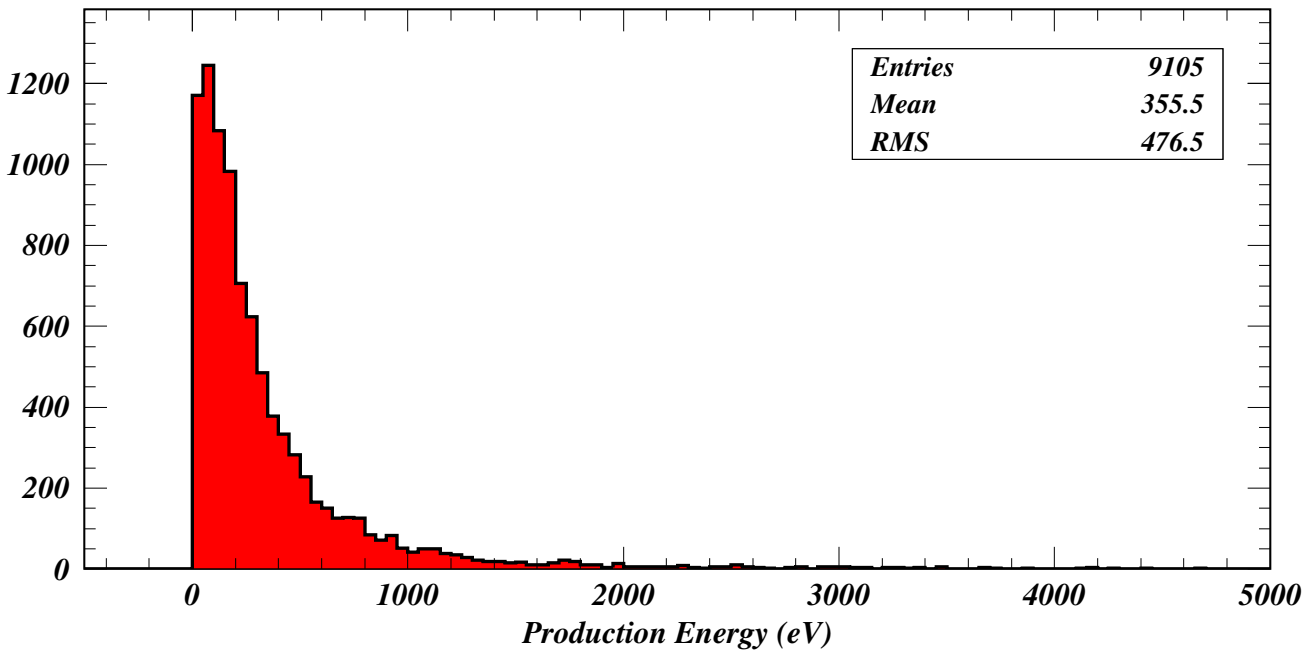
Job 16640: Shielded Button Simulation



10/08/04 10.57

Job 16640: Button Signal Energies For 0 < T < 14 ns





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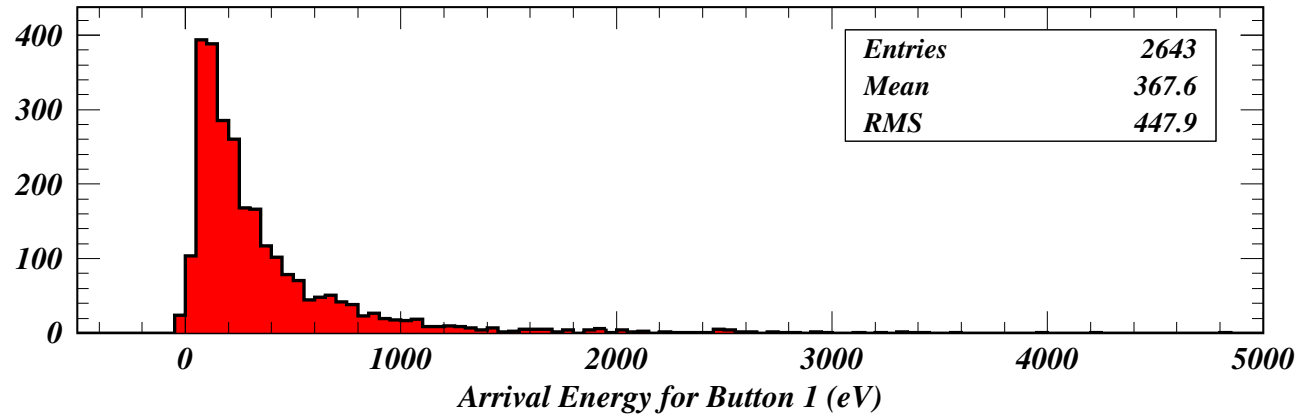
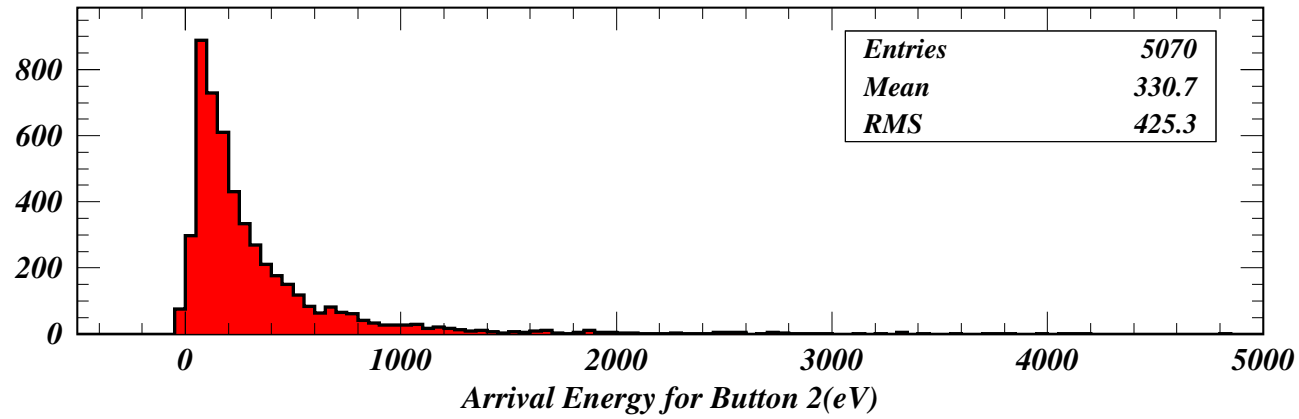
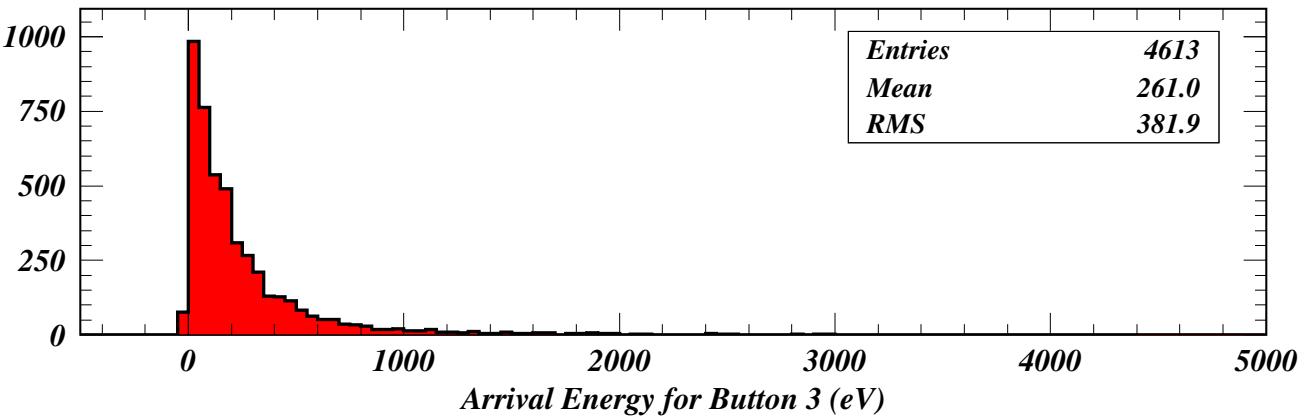
Job 16640: Button Signal Energies For 0 < T < 14 ns







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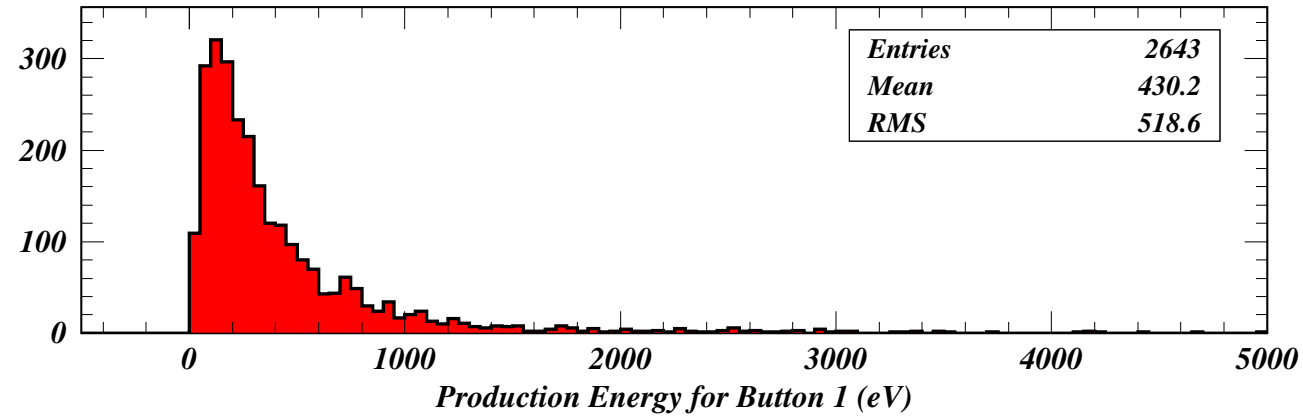
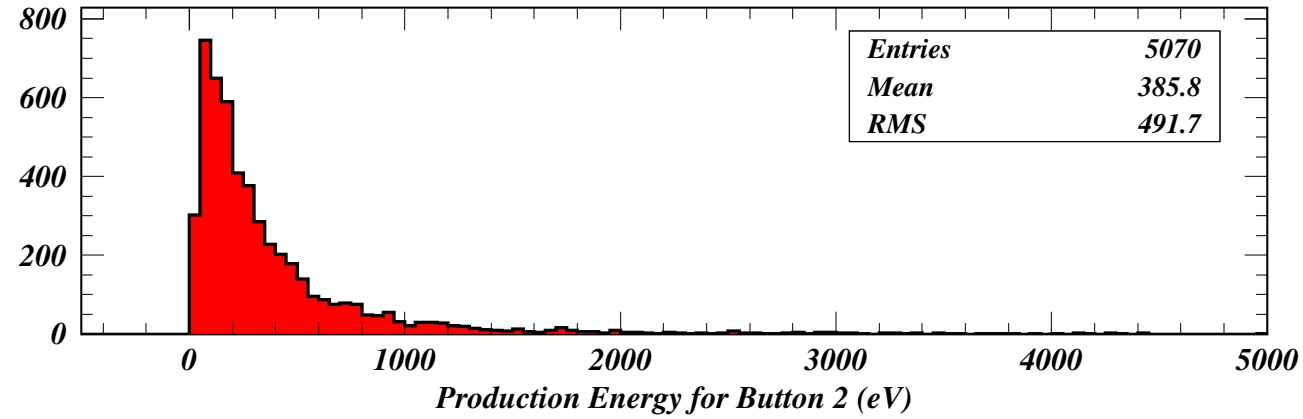
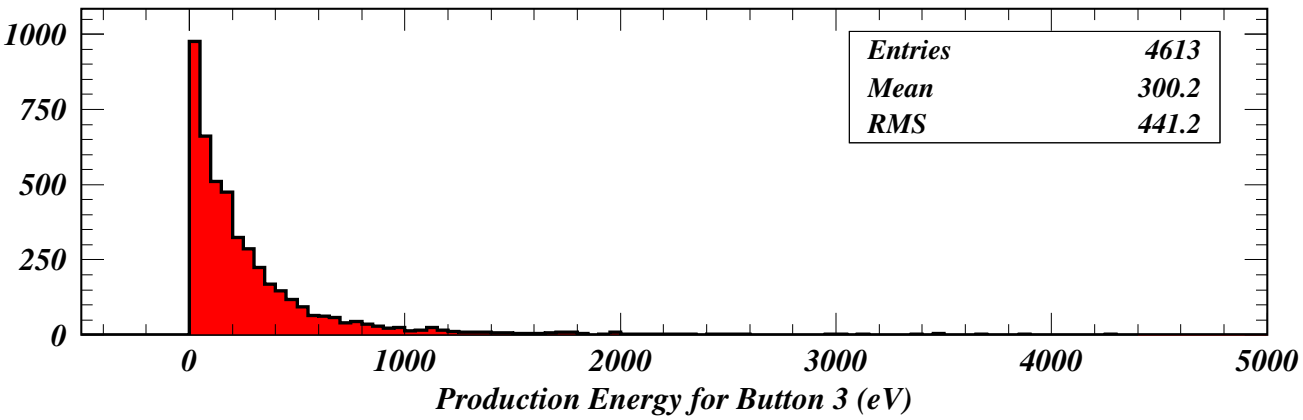
Job 16640: Button Signal Energies For 0 < T < 14 ns







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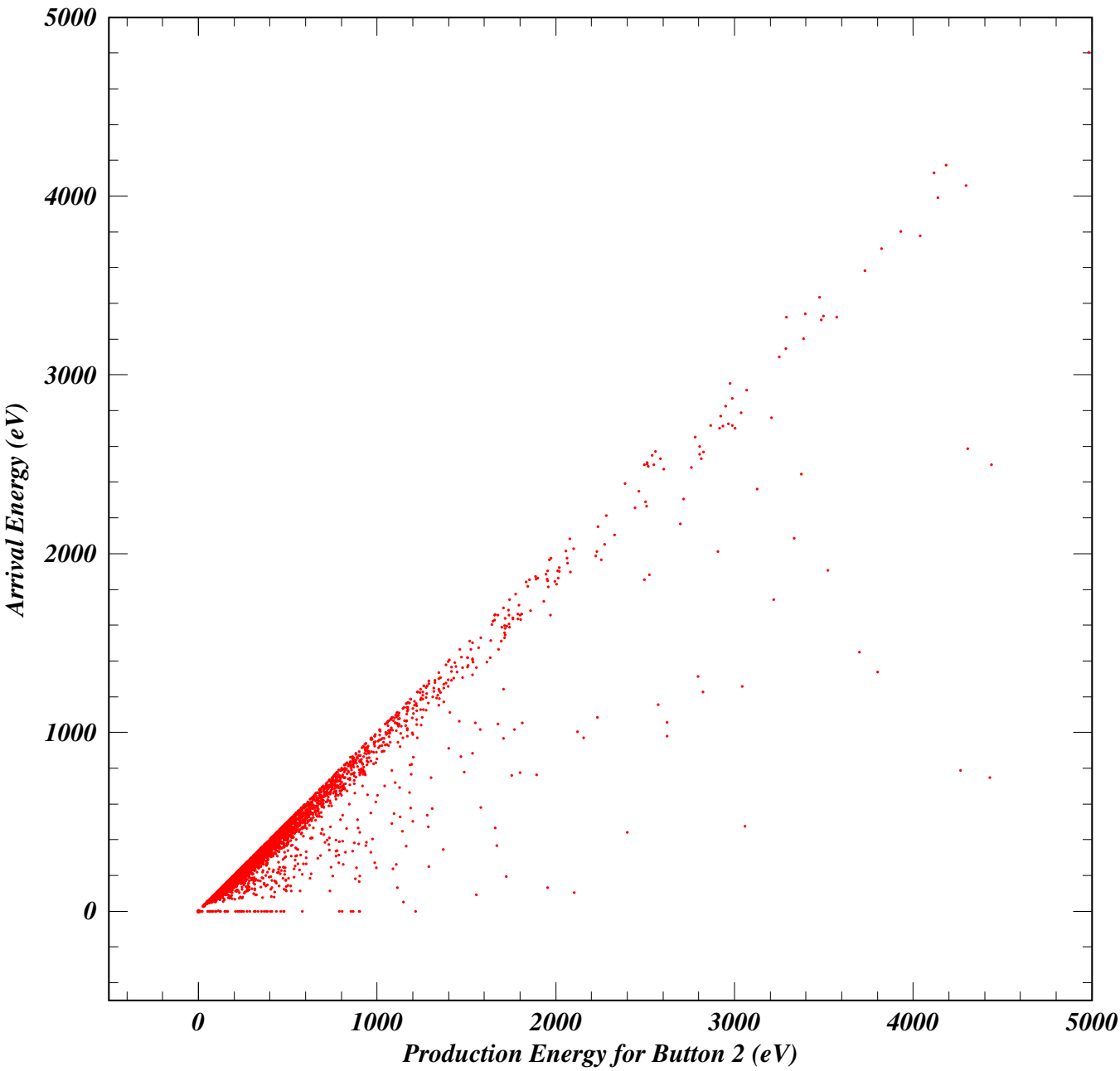
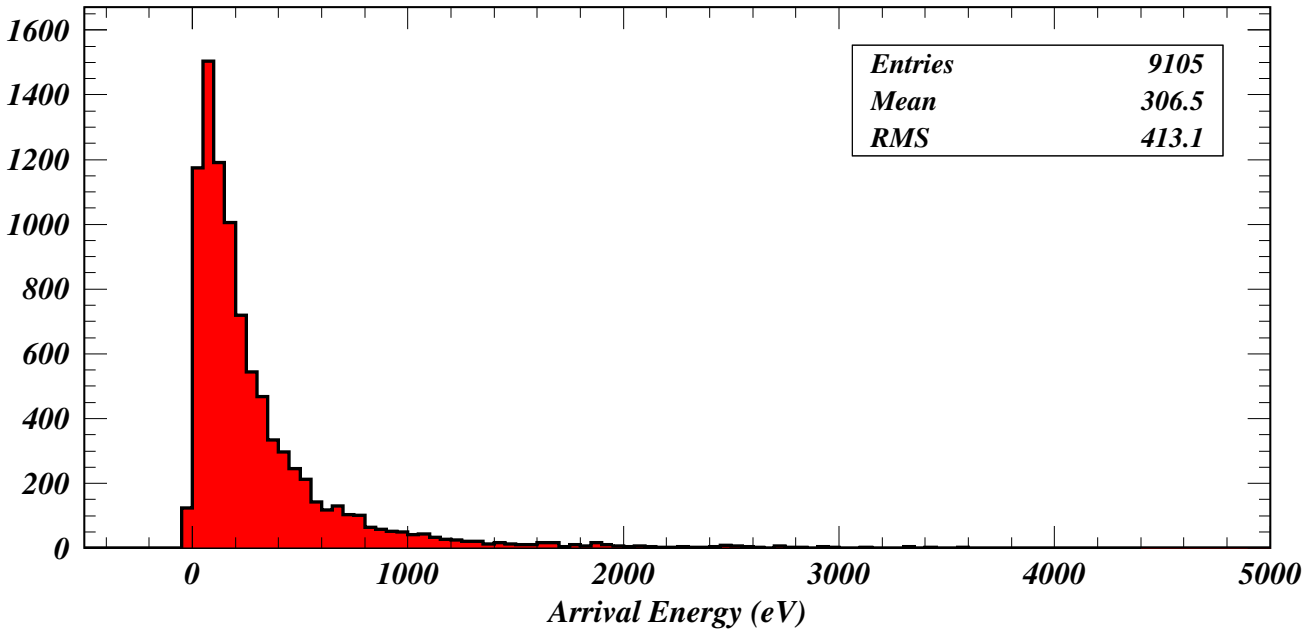
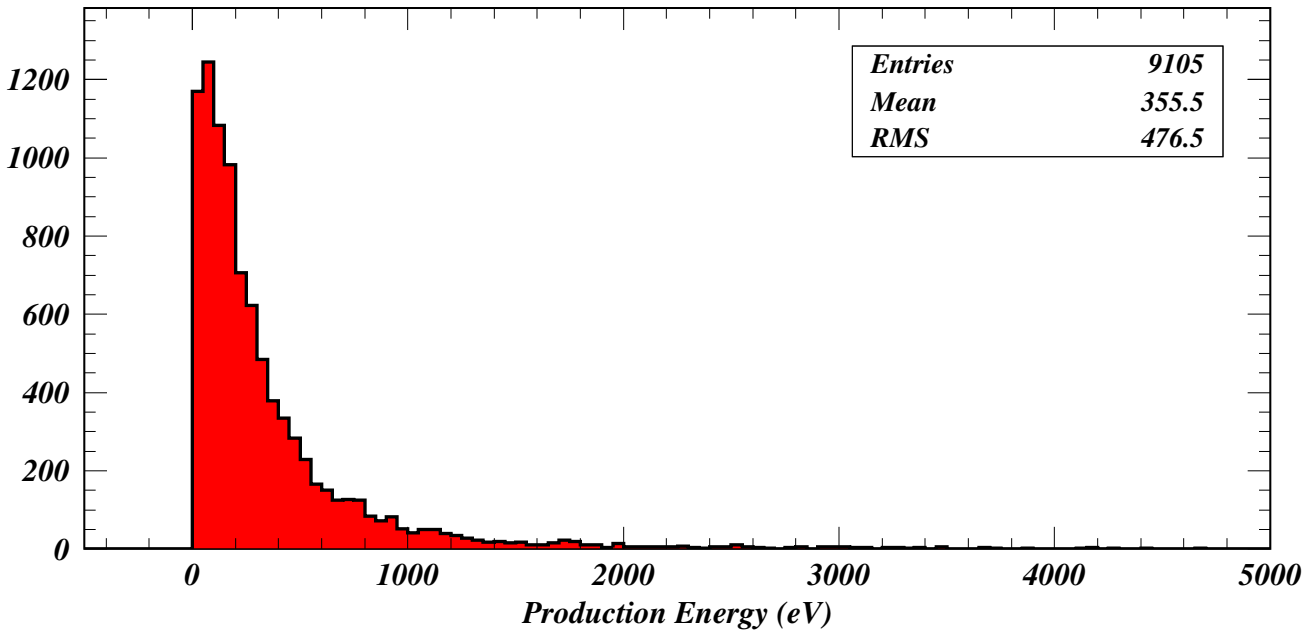
Job 16640: Button Signal Energies For 0 < T < 14 ns



10/08/04 10.57

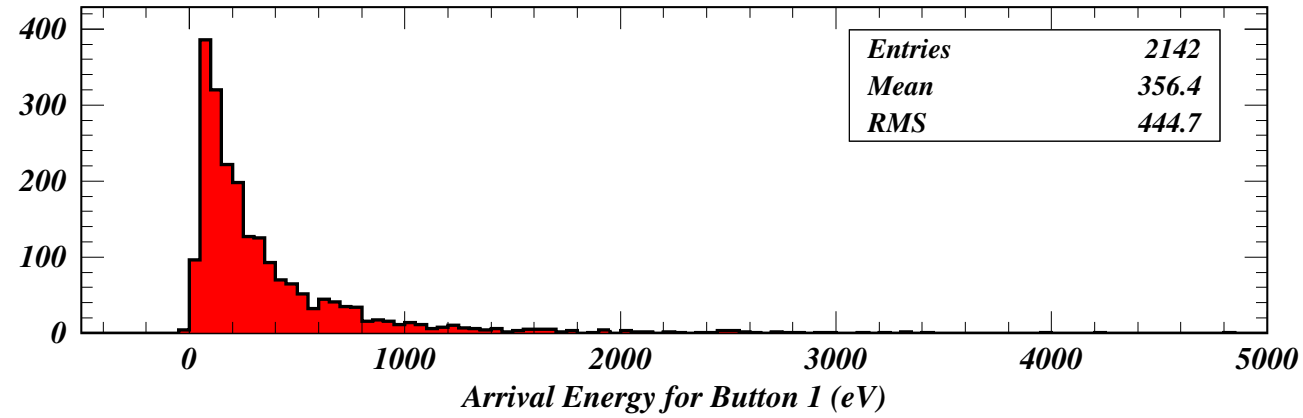
Job 16640: Button Signal Energies For 0 < T < 14 ns: Primaries Only

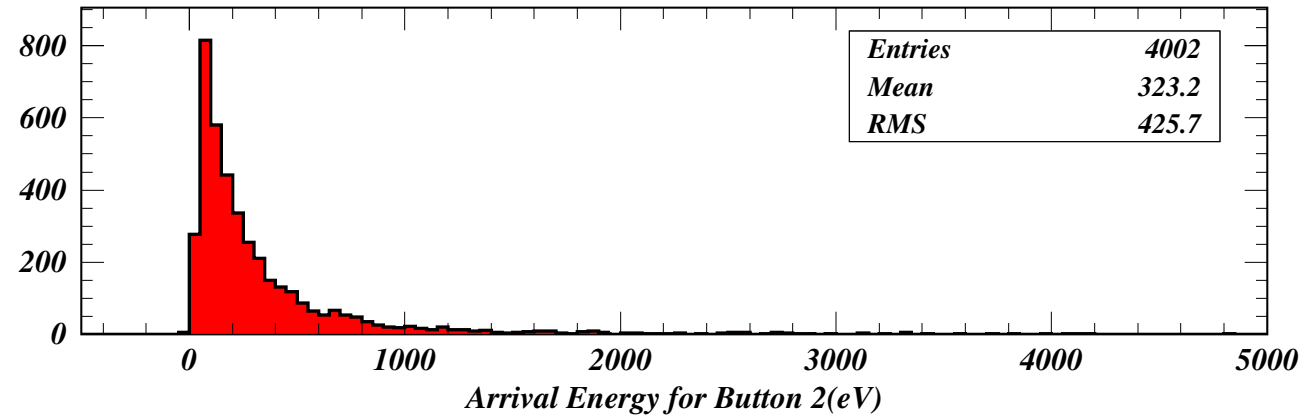


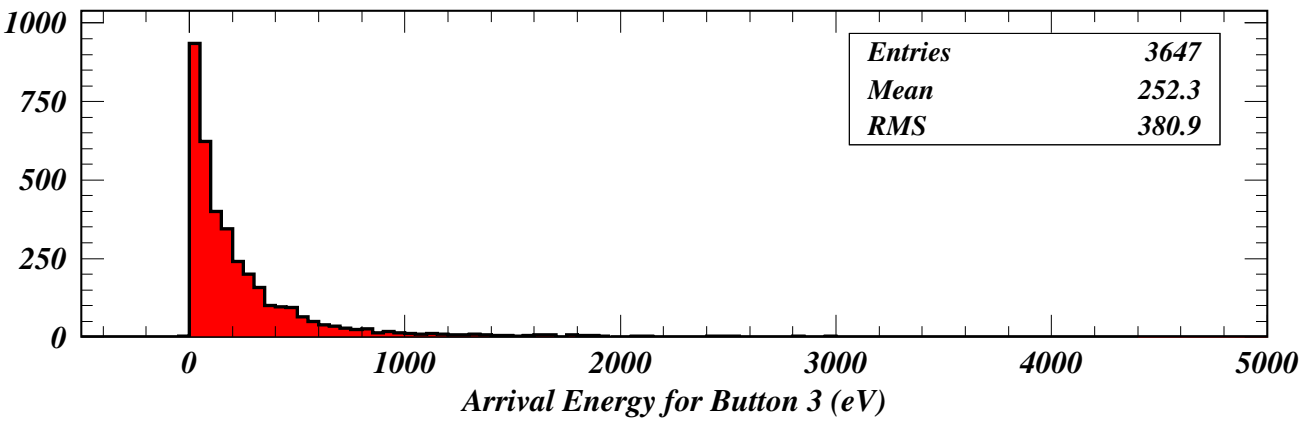


10/08/04 10.57

Job 16640: Button Signal Energies For 0 < T < 14 ns: Primaries Only

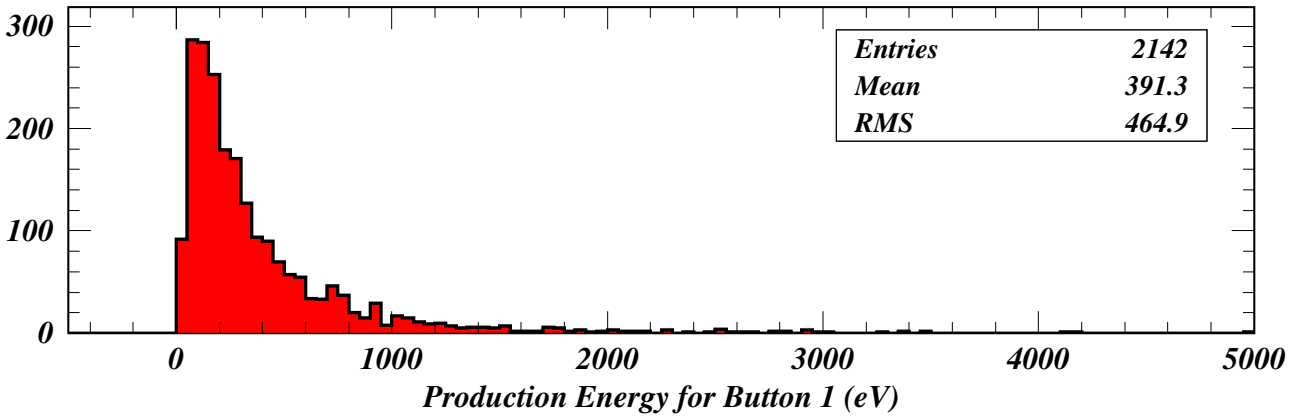


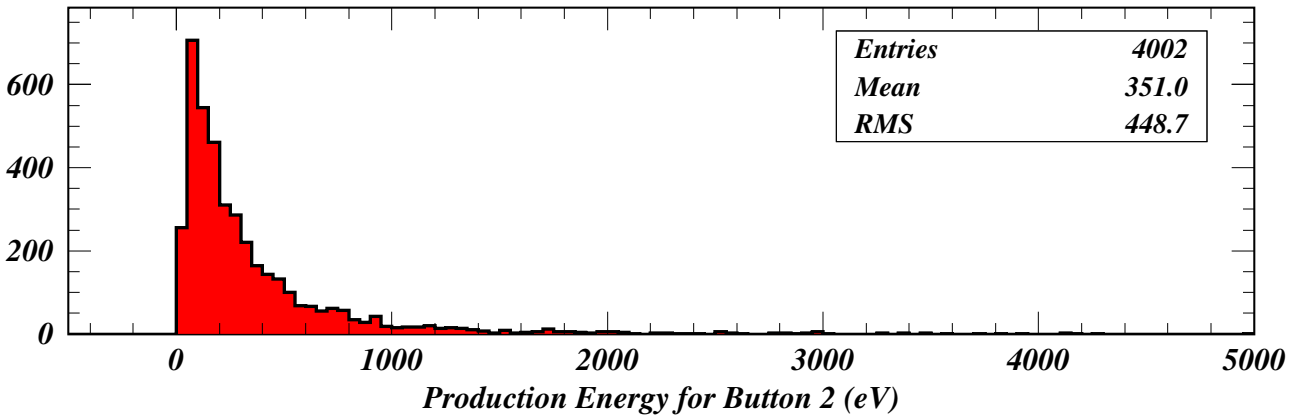


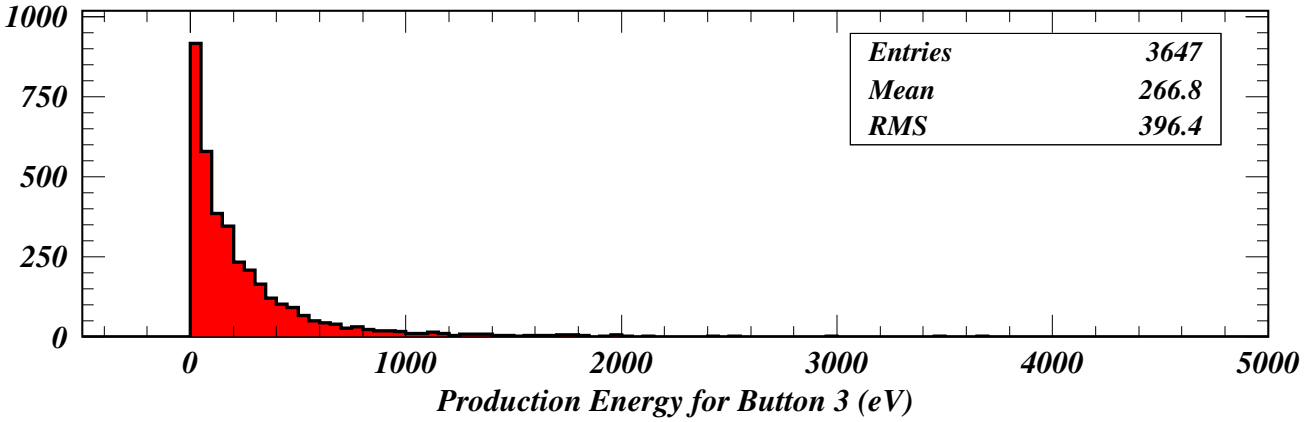


10/08/04 10.57

Job 16640: Button Signal Energies For 0 < T < 14 ns: Primaries Only

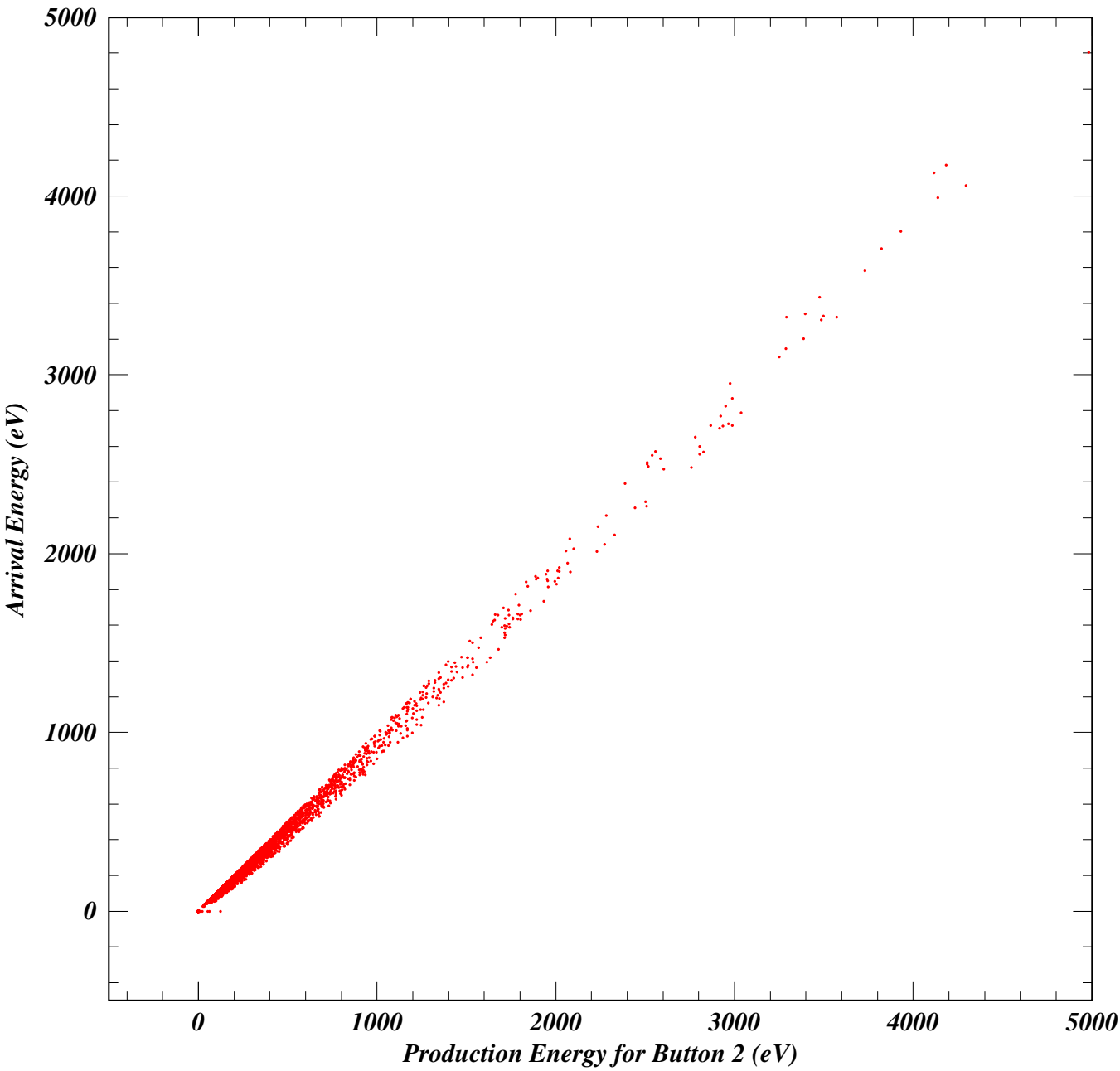






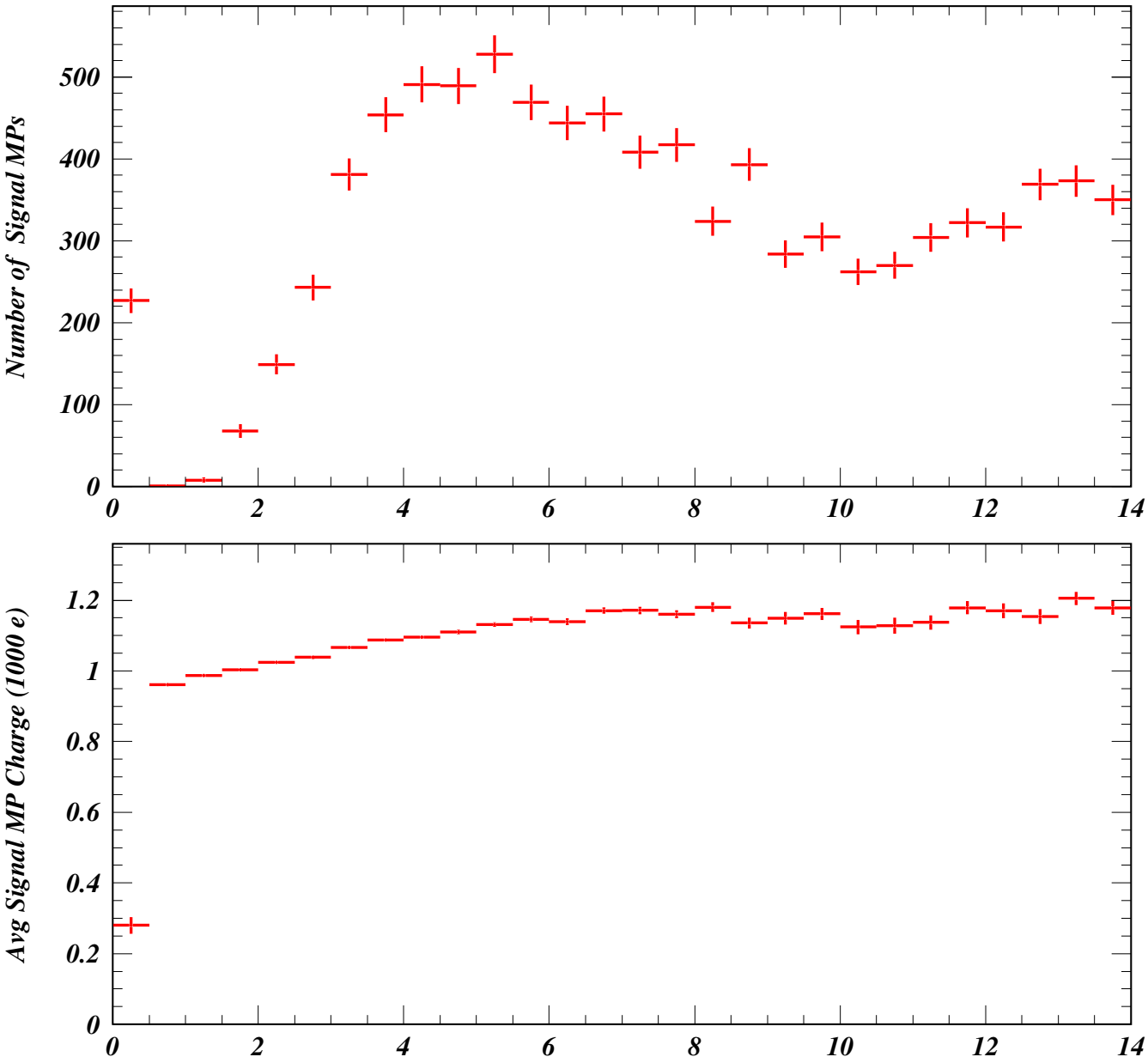
10/08/04 10.57

Job 16640: Button Signal Energies For 0 < T < 14 ns: Primaries Only



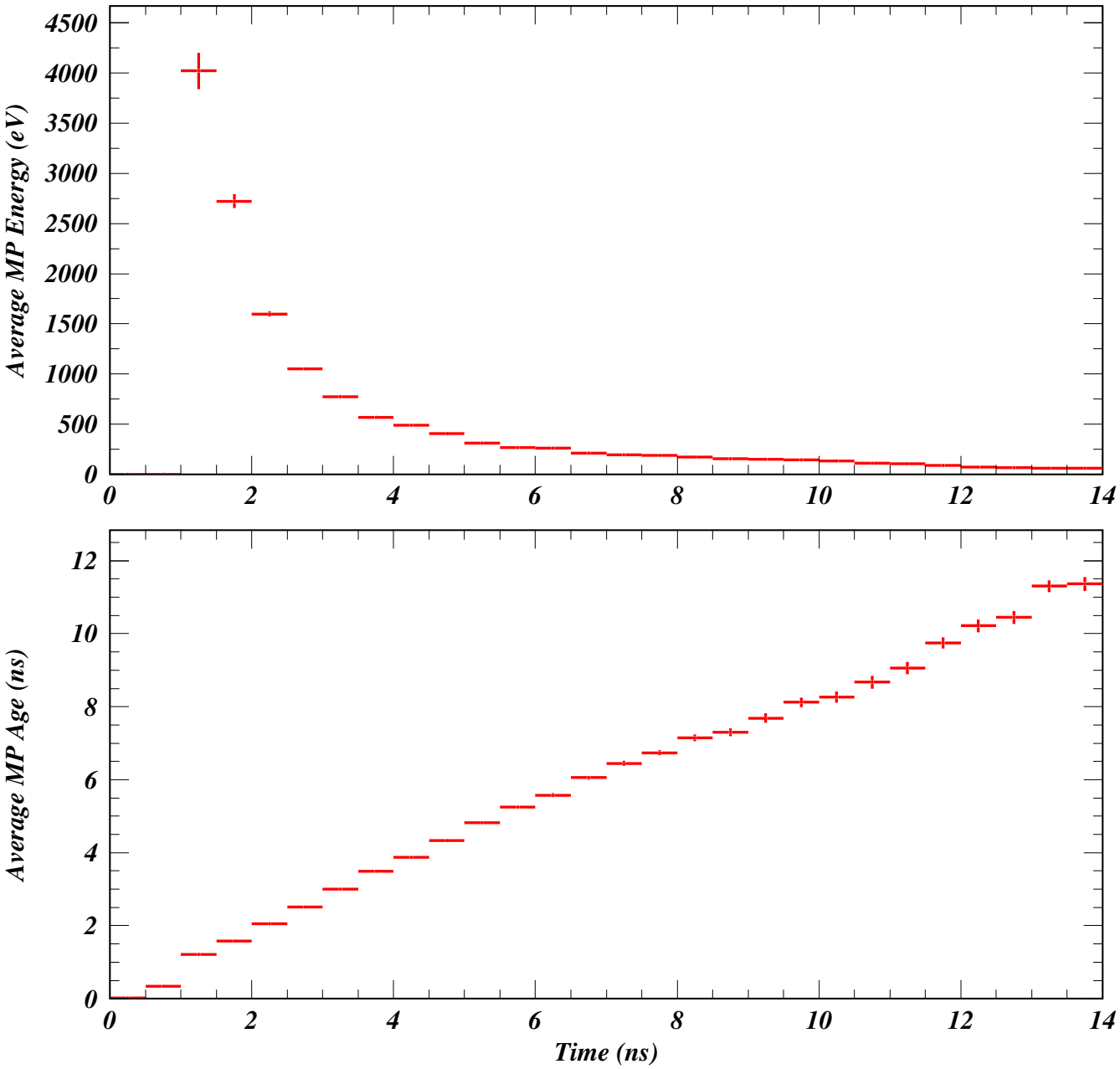
10/08/04 10.57

Job 16640: Button Signal Macroparticles For 0 < T < 14 ns



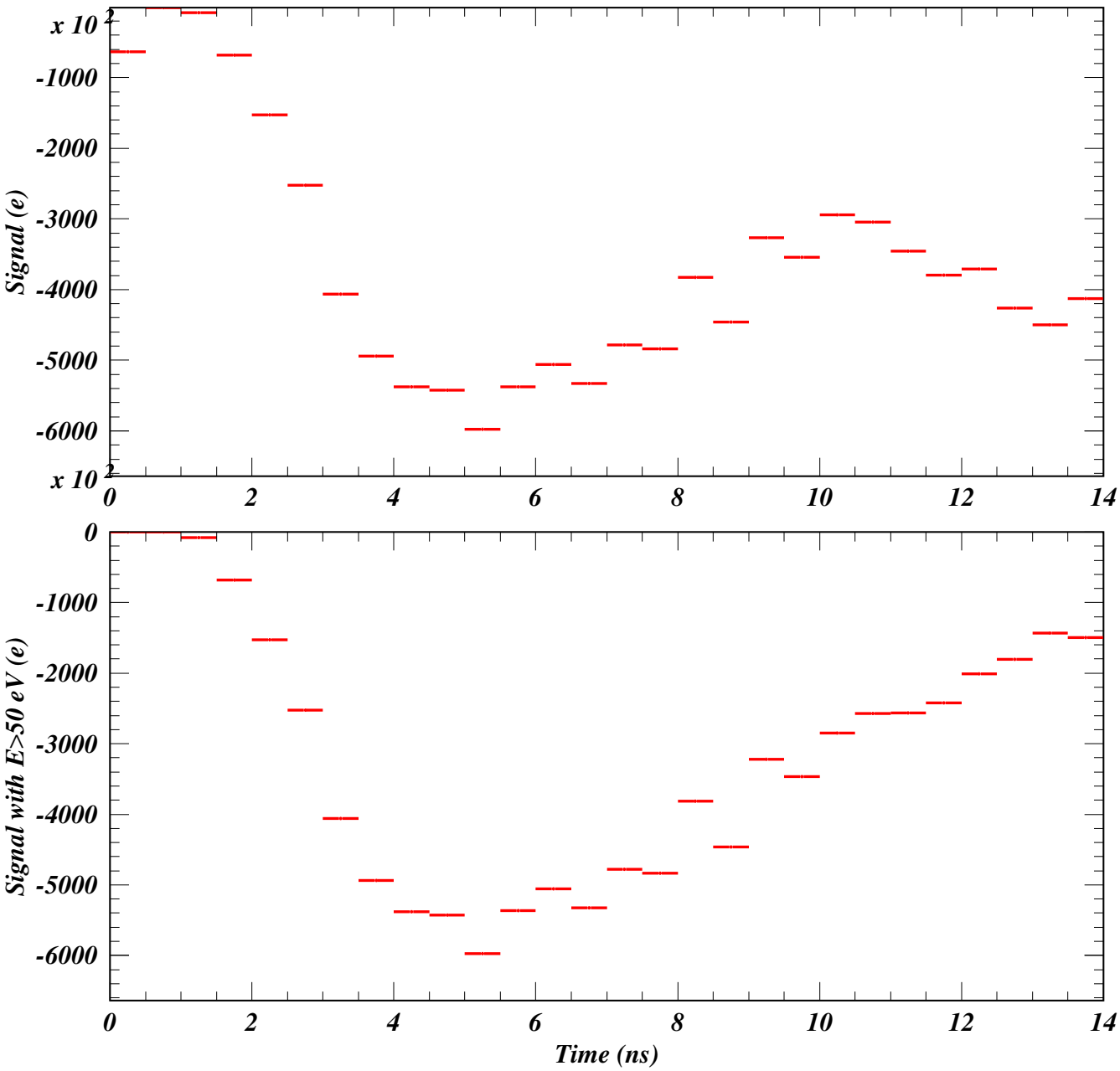
10/08/04 10.57

Job 16640: Button Signal Macroparticles For 0 < T < 14 ns



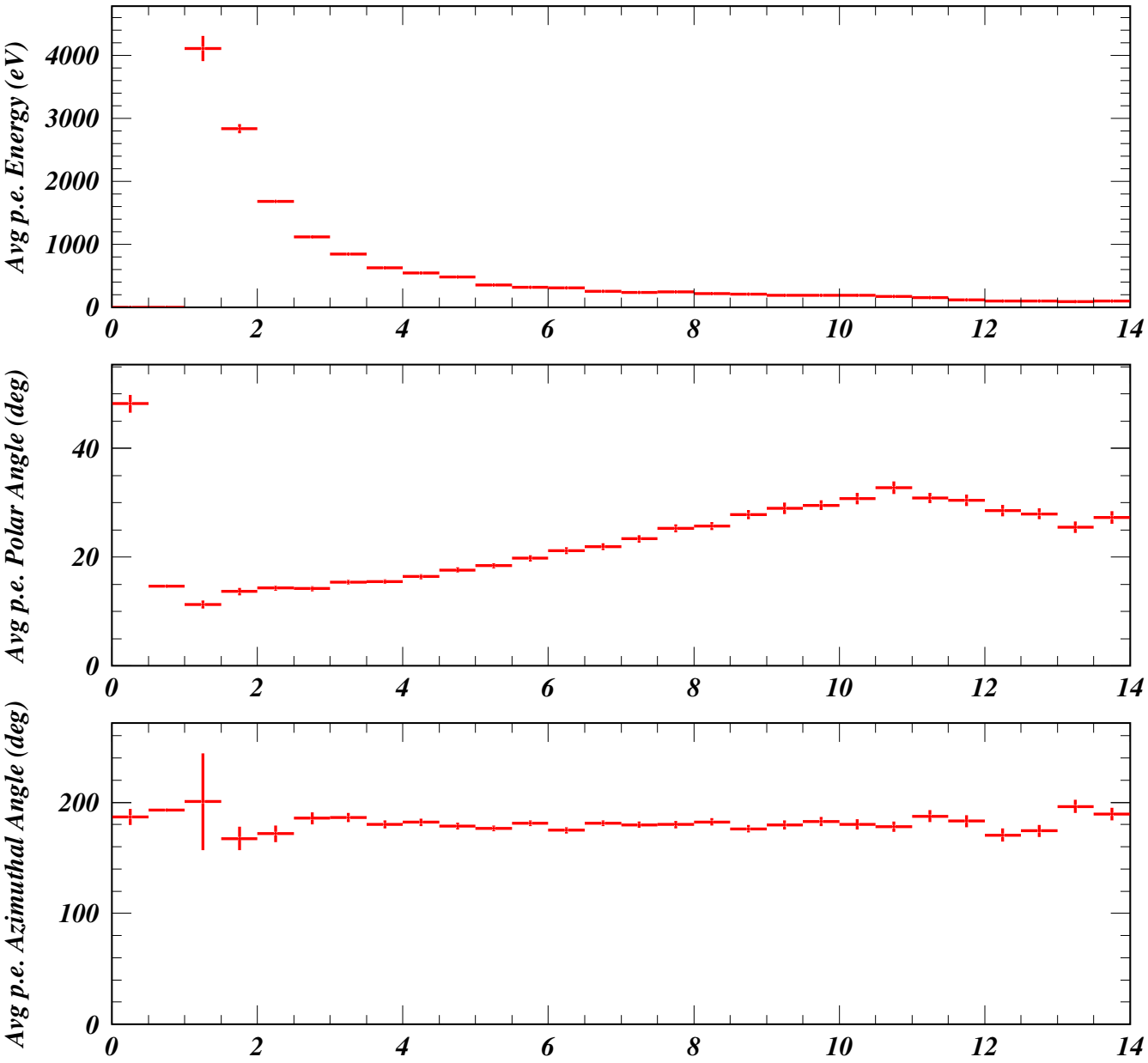
10/08/04 10.57

Job 16640: Button Signal Macroparticles For 0 < T < 14 ns

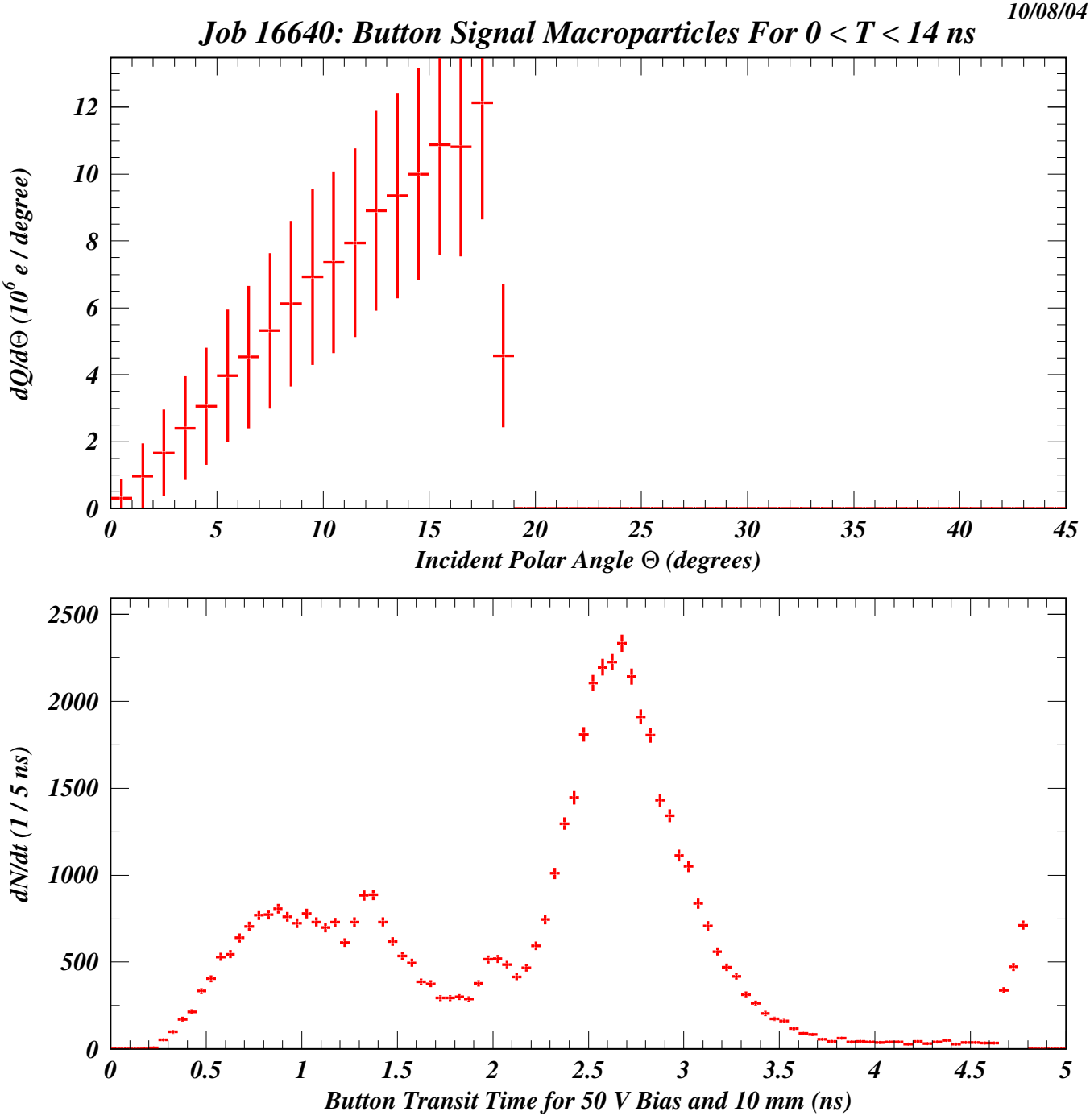


10/08/04 10.57

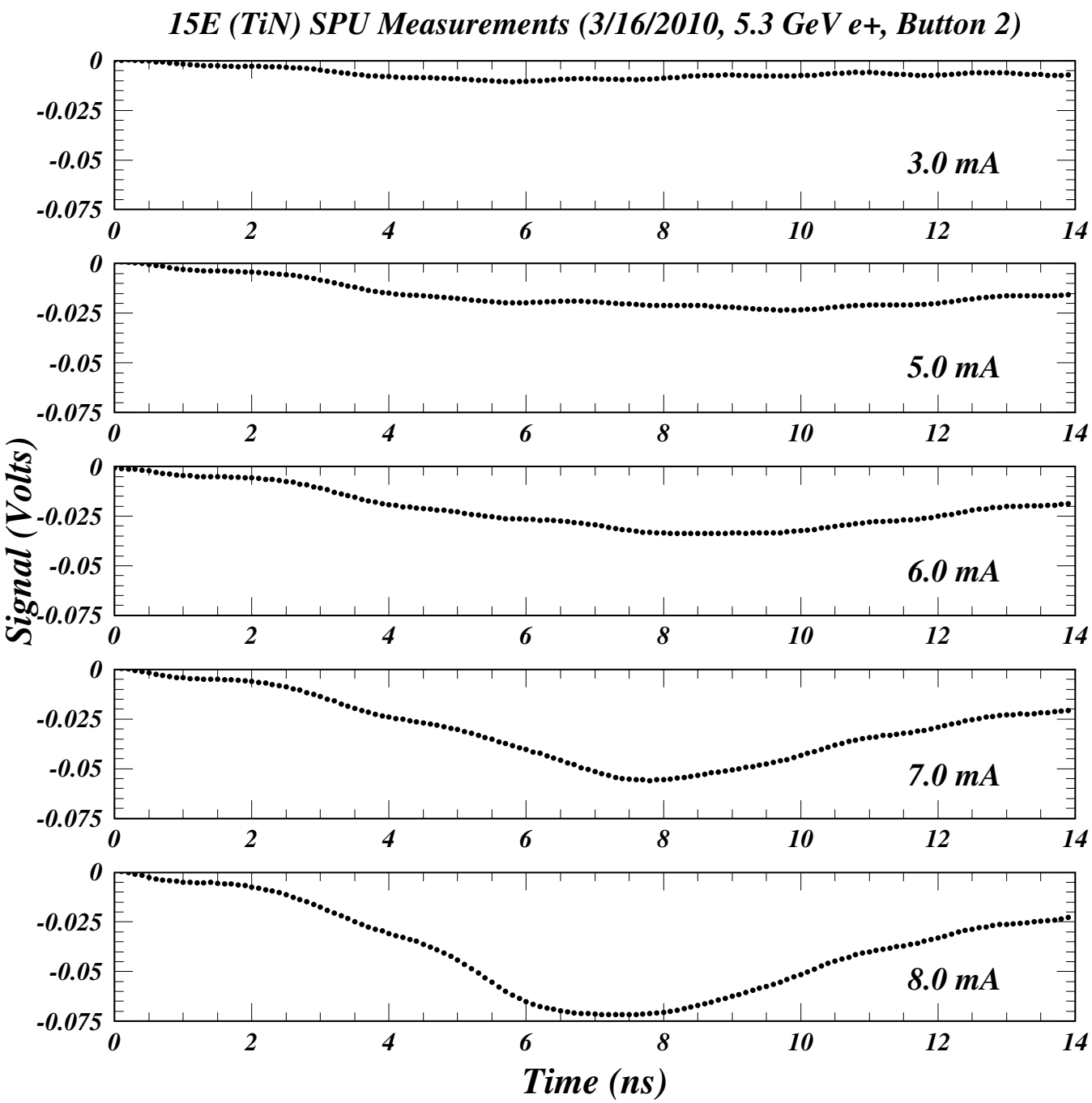
Job 16640: Button Signal Macroparticles For 0 < T < 14 ns



10/08/04 10.57


Job 16640: Button Signal Macroparticles For 0 < T < 14 ns
dQ/dΘ (10^6 e / degree)
0
2
4
6
8
10
12
0
5
10
15
20
25
30
35
40
45
Incident Polar Angle Θ (degrees)
dN/dt (1 / 5 ns)
0
500
1000
1500
2000
2500
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)

10/08/04 10.57


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)