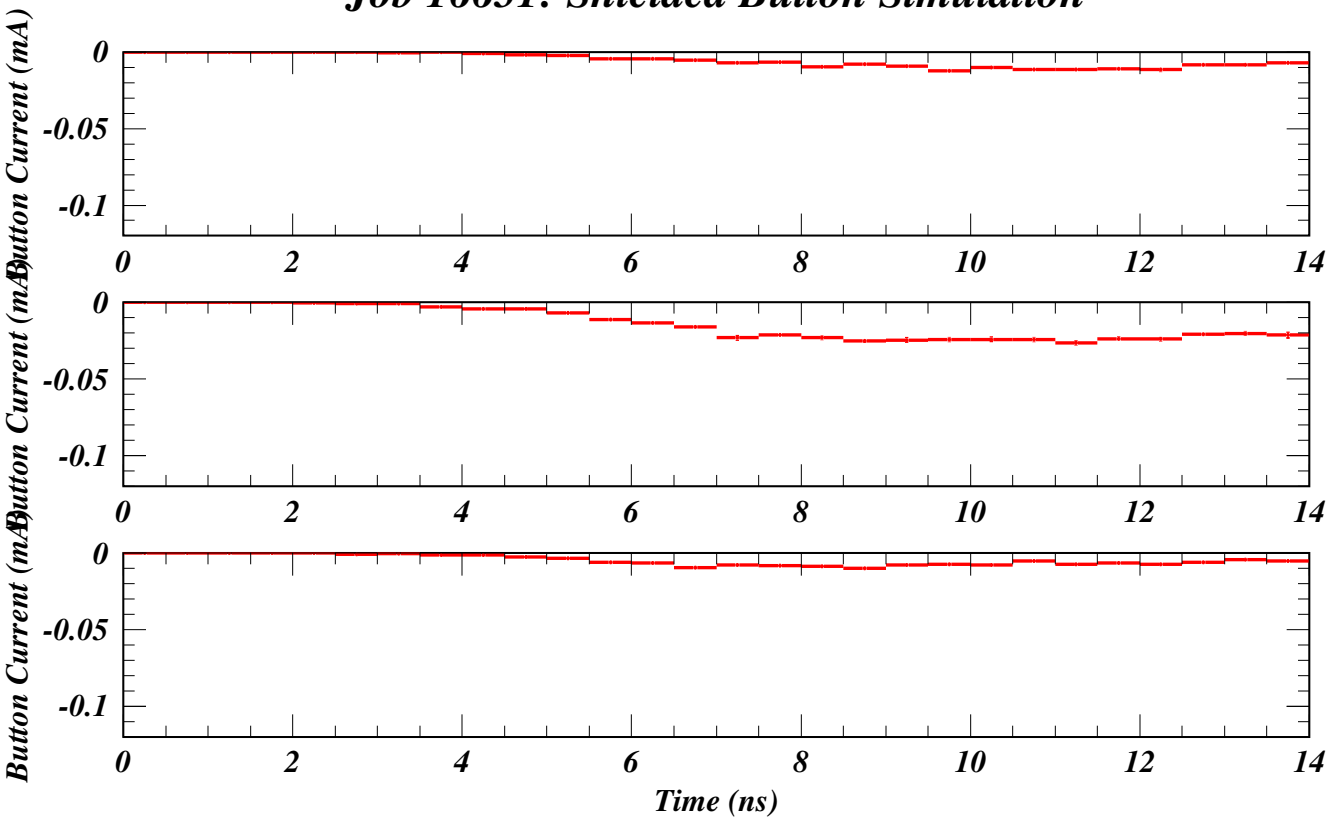
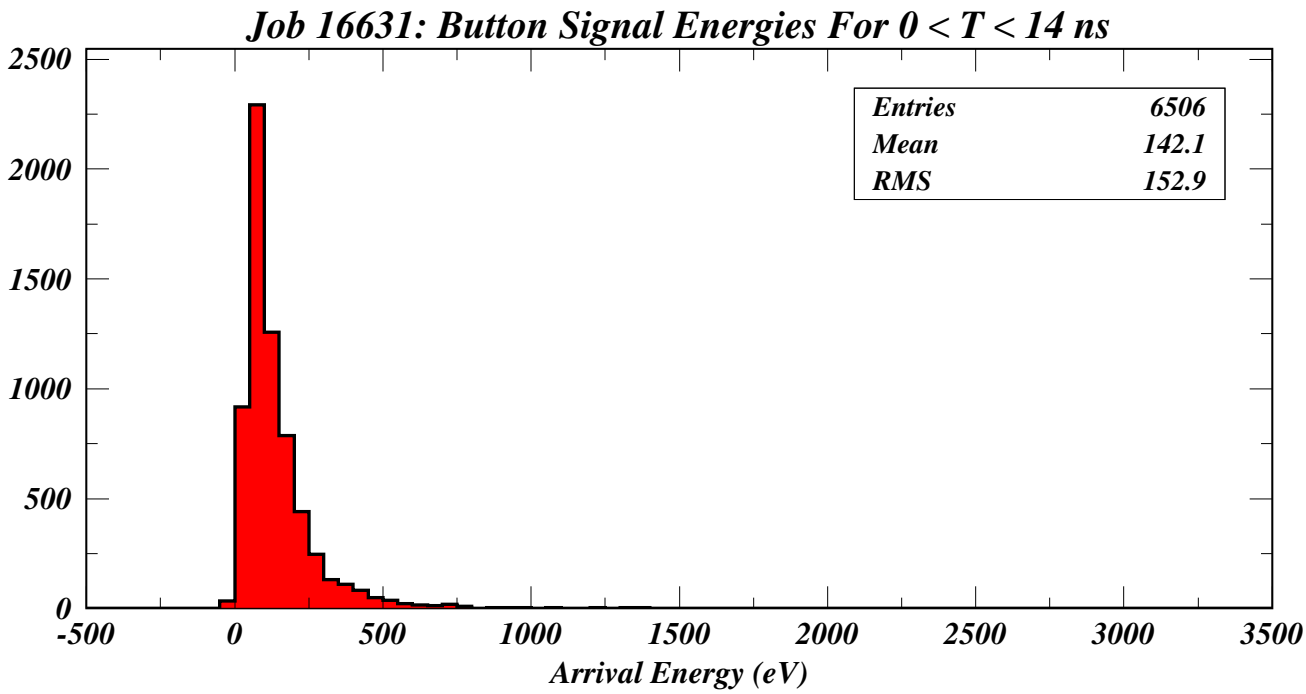
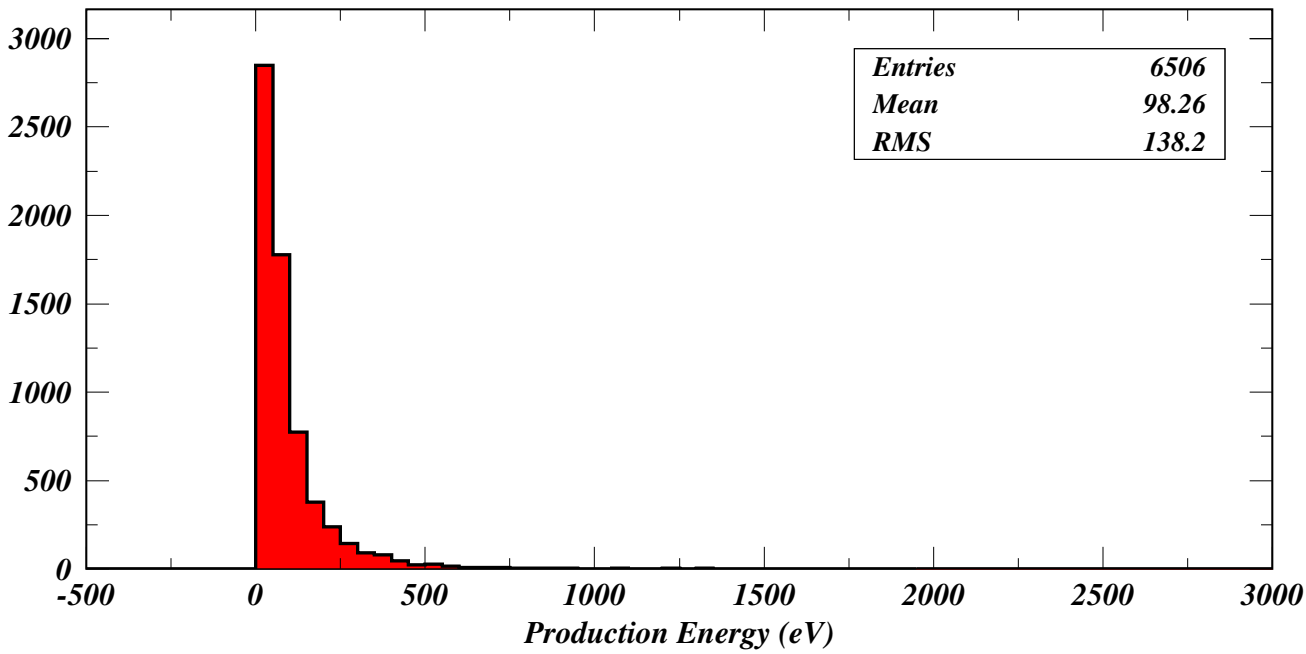
10/08/03 12.06

Job 16631: Shielded Button Simulation



10/08/03 12.06


Job 16631: Button Signal Energies For 0 < T < 14 ns
Entries 6506
Mean 142.1
RMS 152.9
2500
2000
1500
1000
500
0
-500
0
500
1000
1500
2000
2500
3000
3500
Arrival Energy (eV)


Entries 6506
Mean 98.26
RMS 138.2
3000
2500
2000
1500
1000
500
0
-500
0
500
1000
1500
2000
2500
3000
Production Energy (eV)

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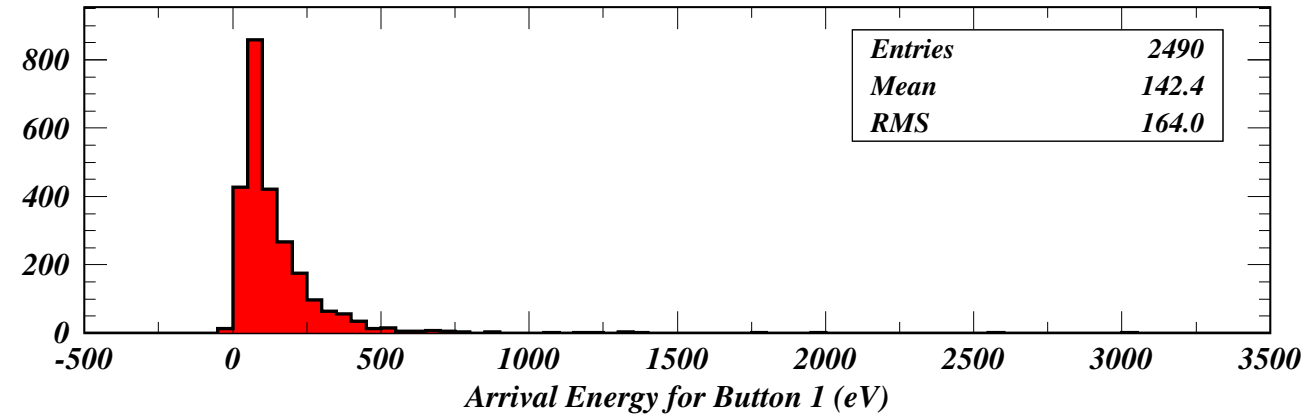
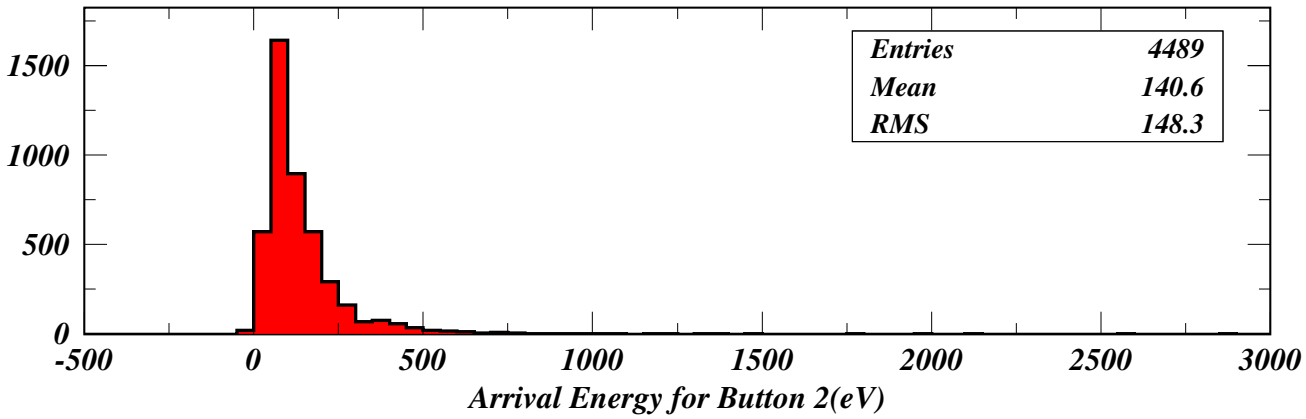
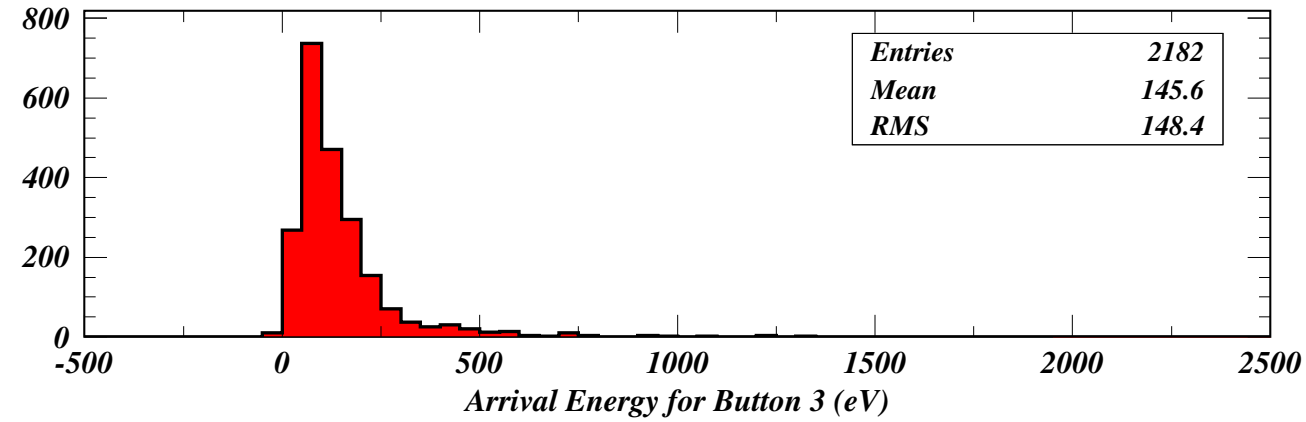
Job 16631: Button Signal Energies For 0 < T < 14 ns







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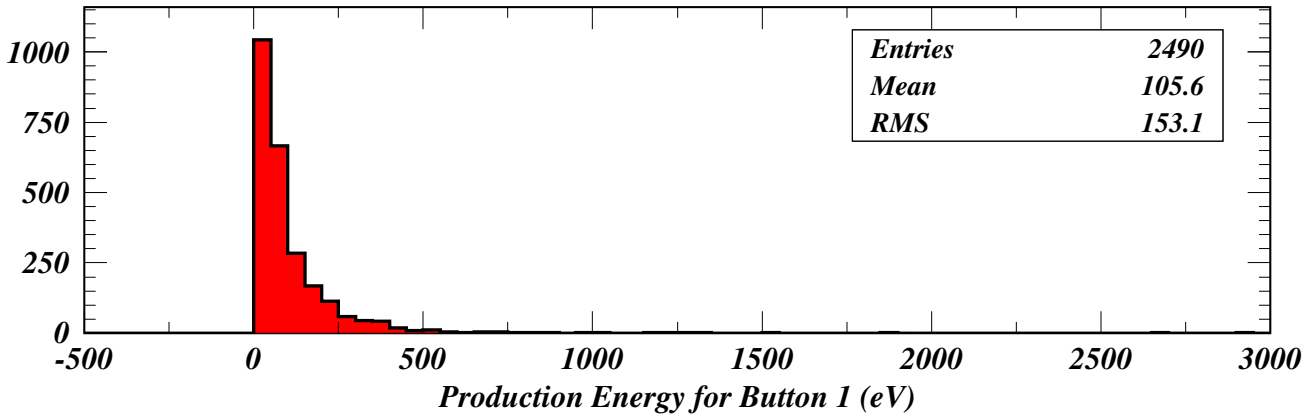
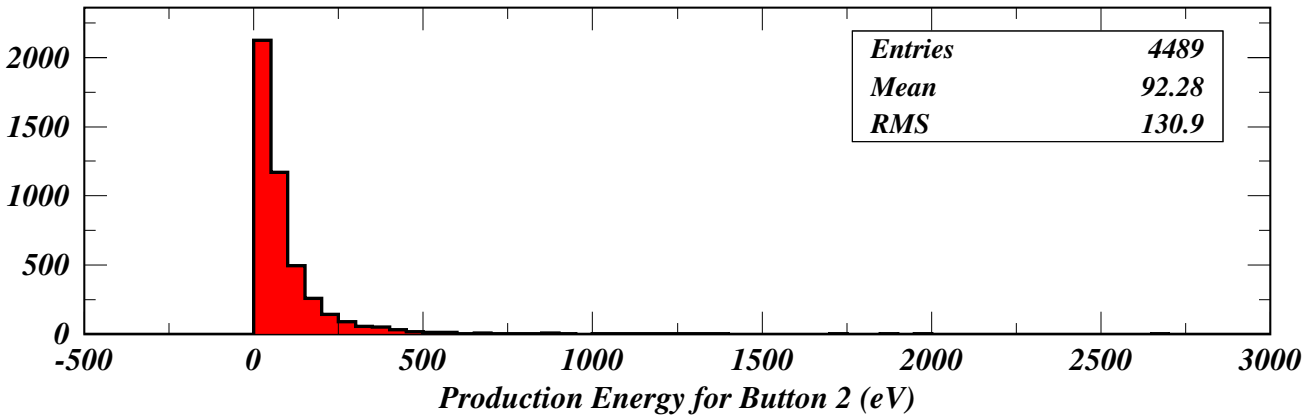
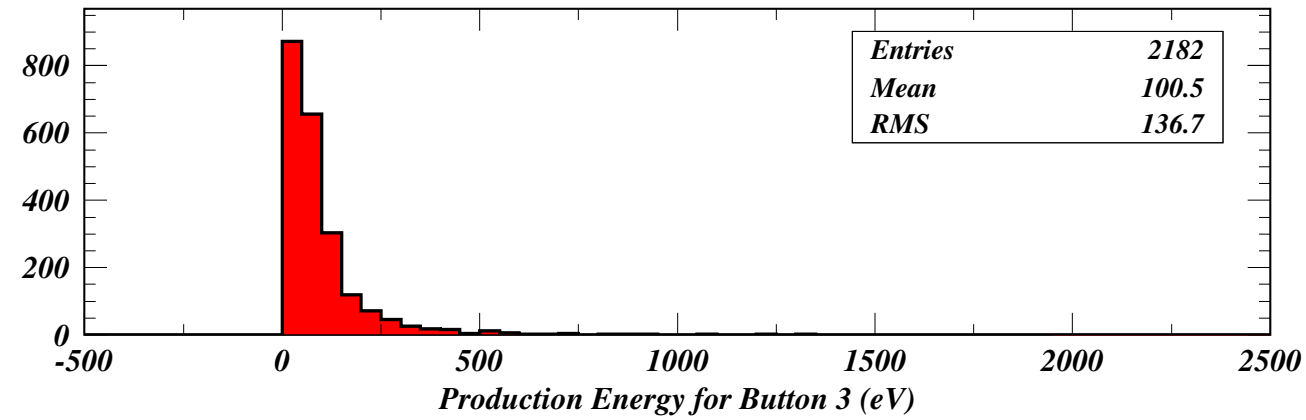
Job 16631: Button Signal Energies For 0 < T < 14 ns

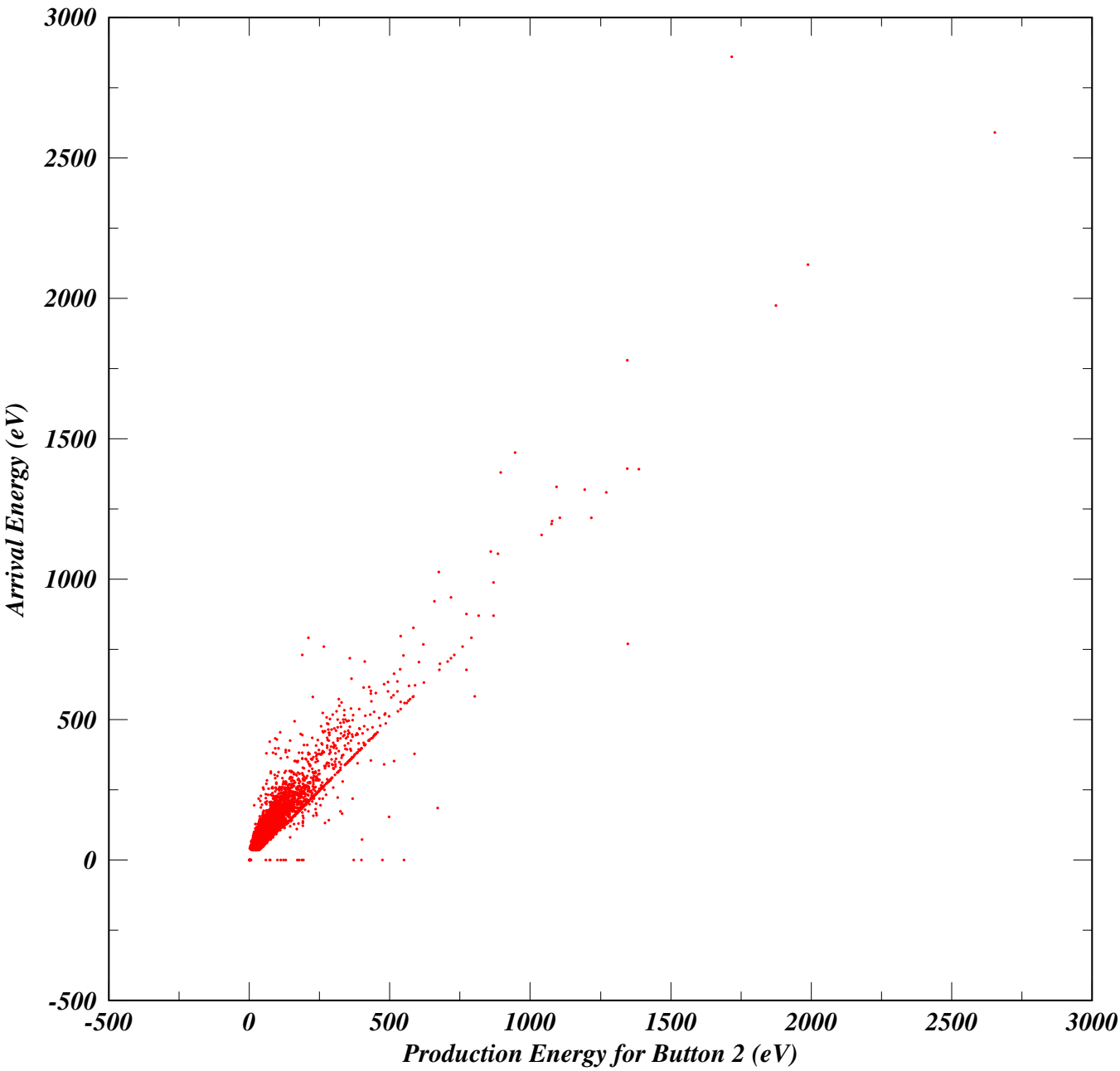






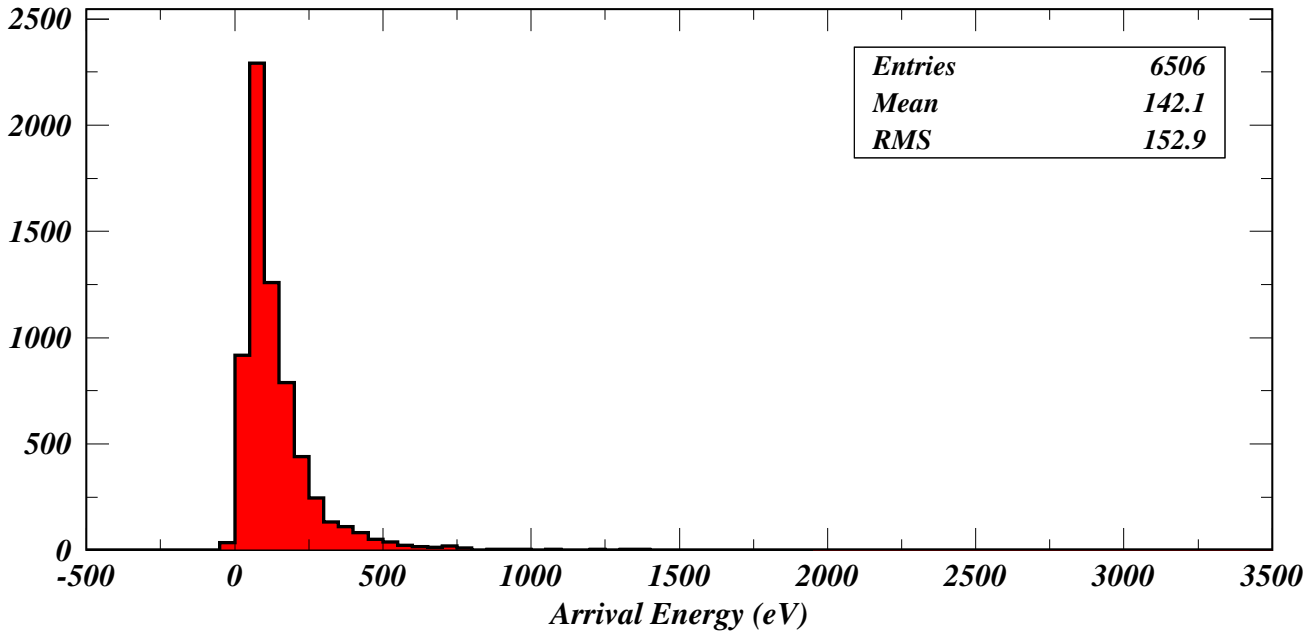
10/08/03 12.06

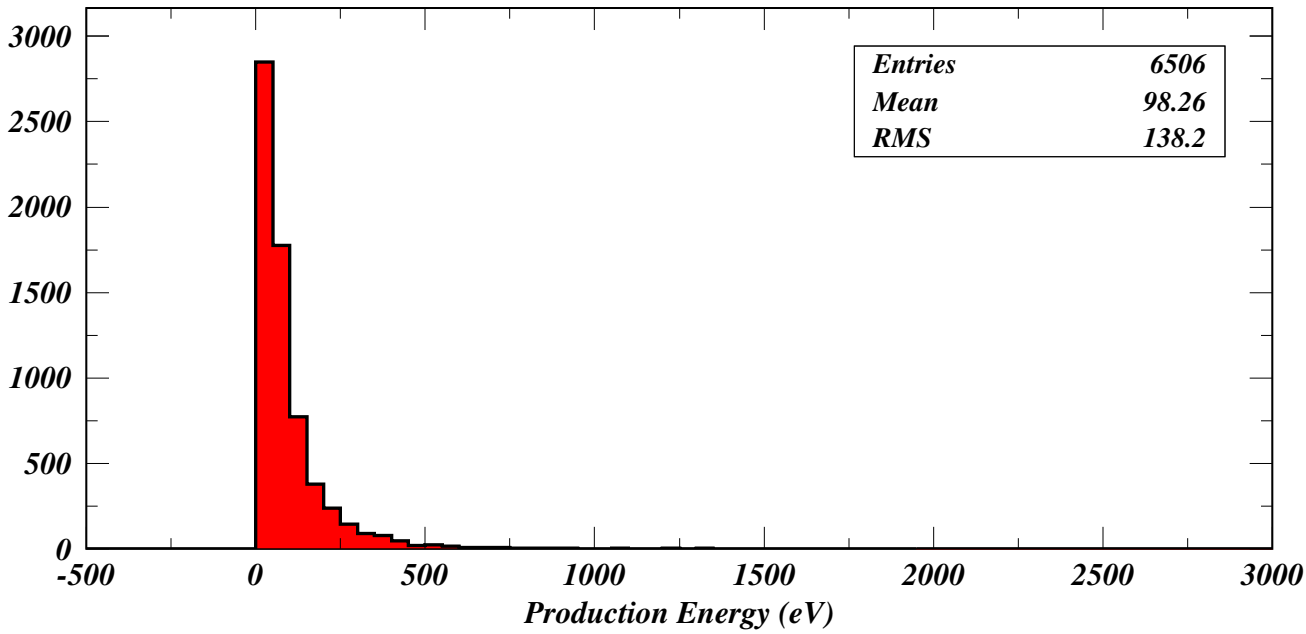
Job 16631: Button Signal Energies For 0 < T < 14 ns



10/08/03 12.06

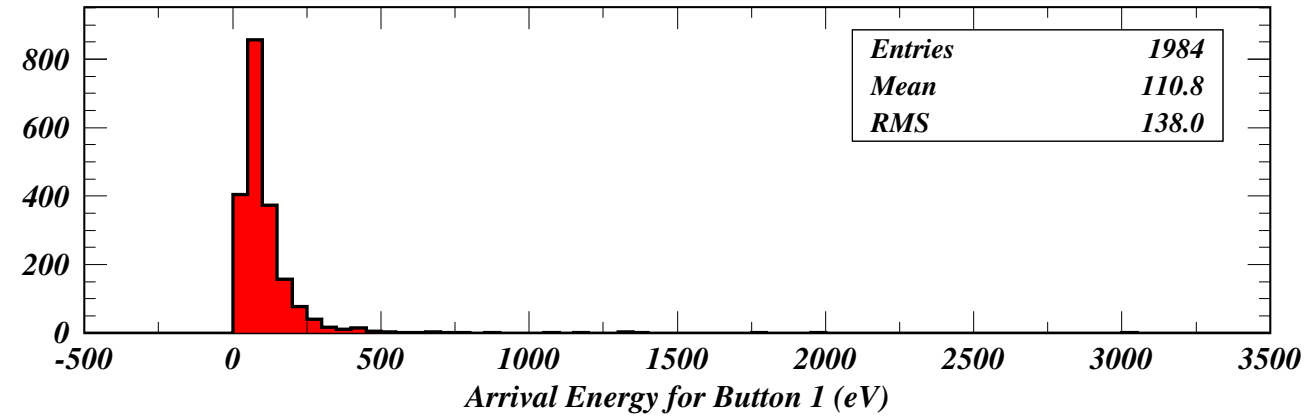
Job 16631: Button Signal Energies For 0 < T < 14 ns: Primaries Only

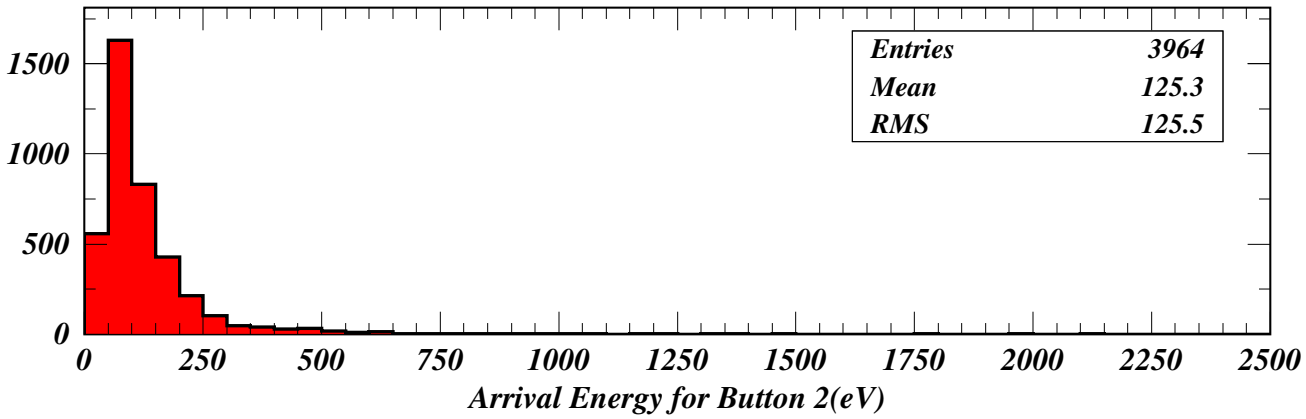


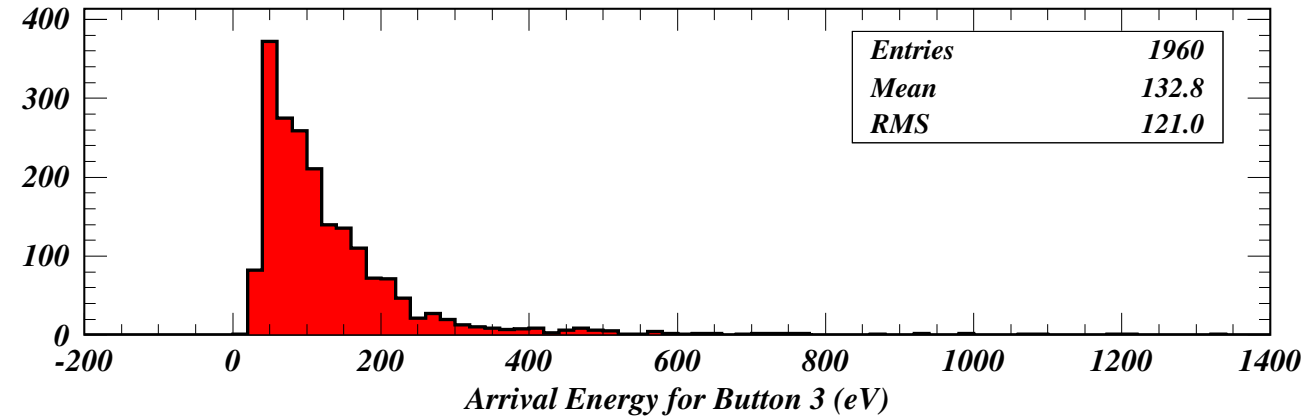


10/08/03 12.06

Job 16631: Button Signal Energies For 0 < T < 14 ns: Primaries Only

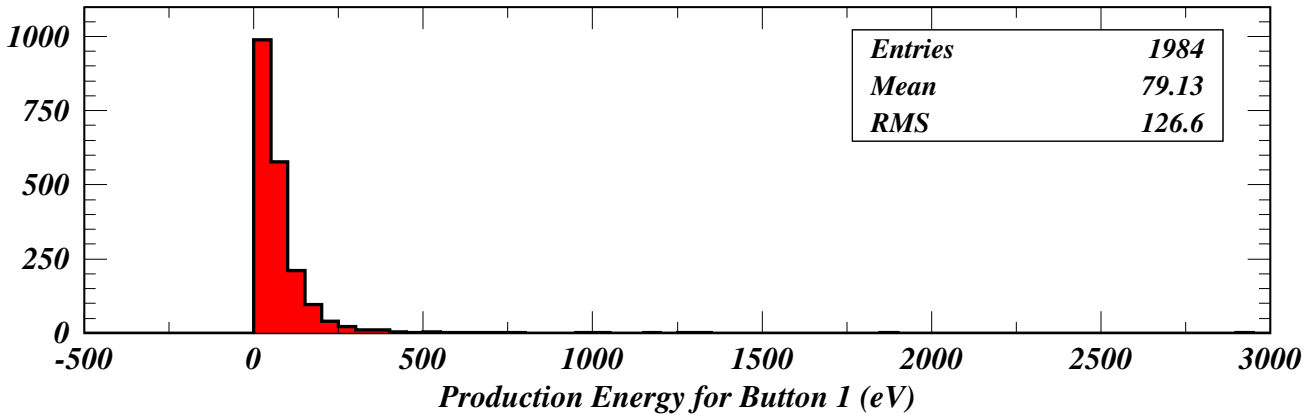


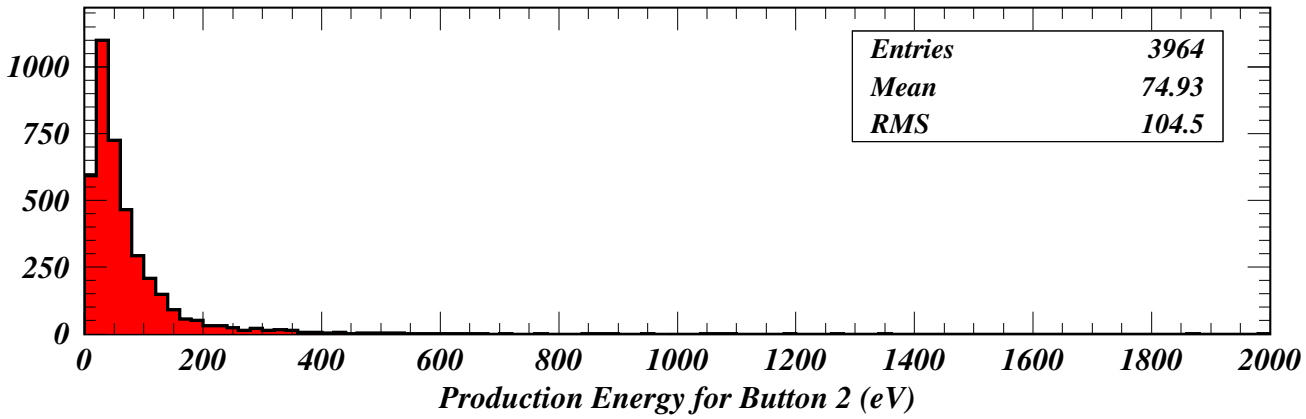


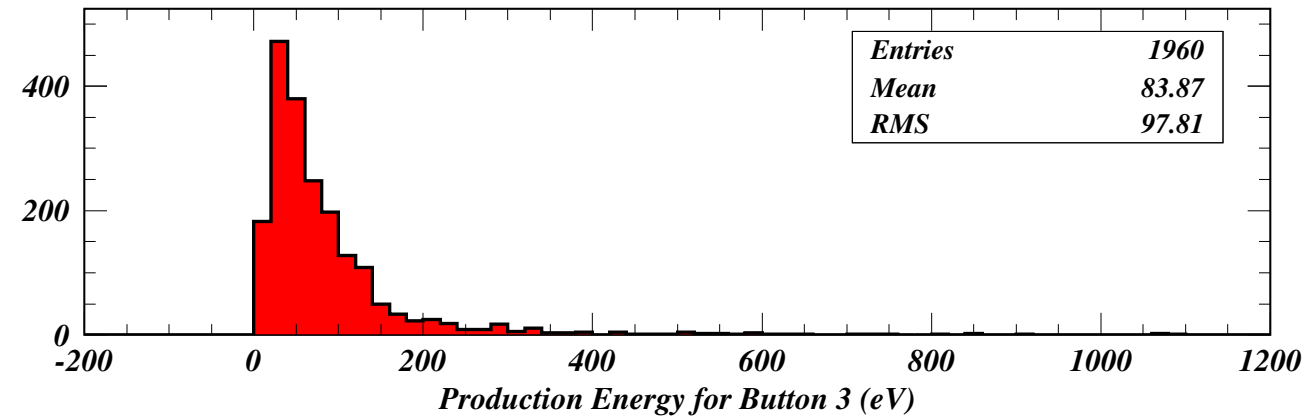


10/08/03 12.06

Job 16631: Button Signal Energies For 0 < T < 14 ns: Primaries Only

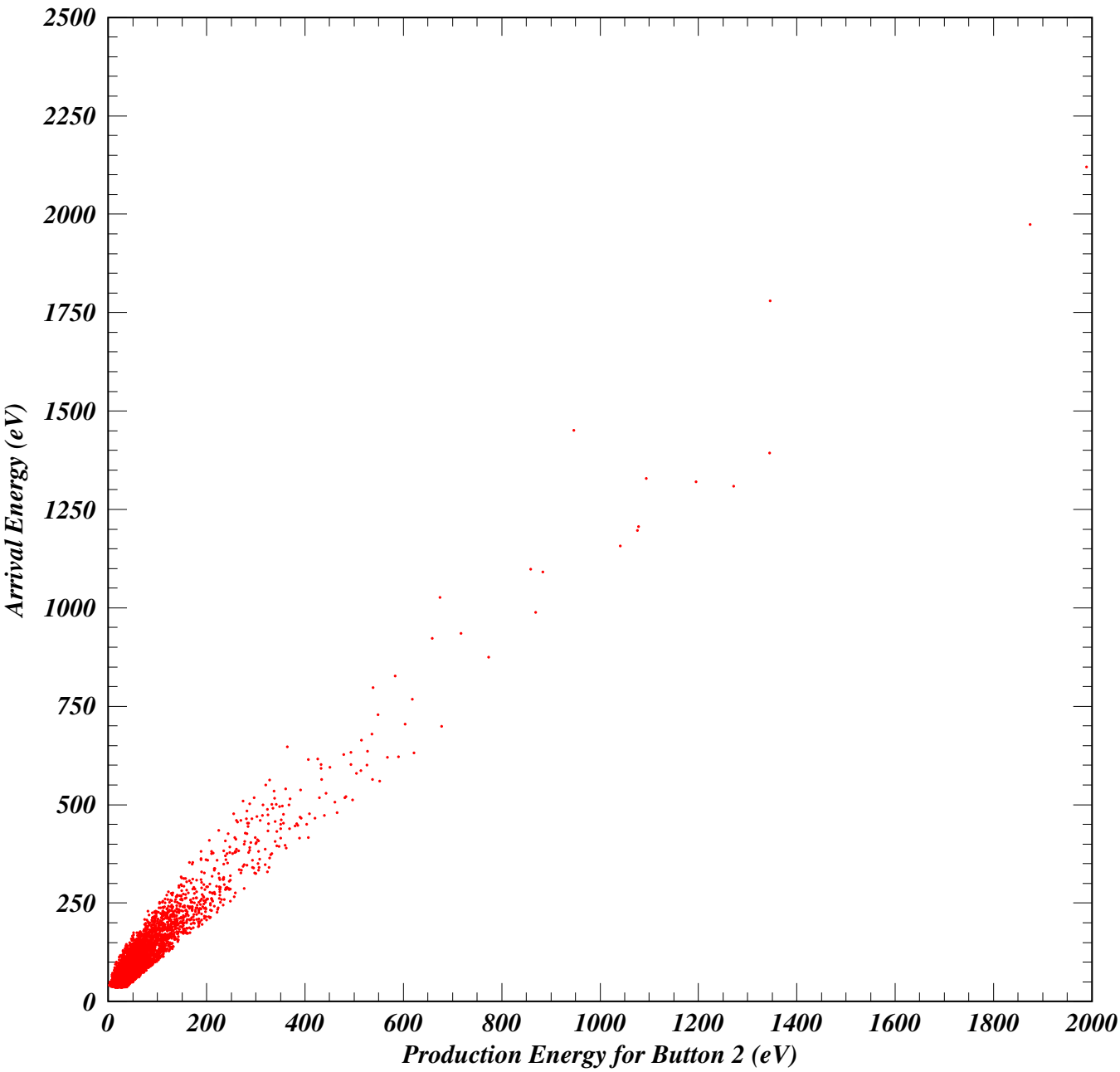






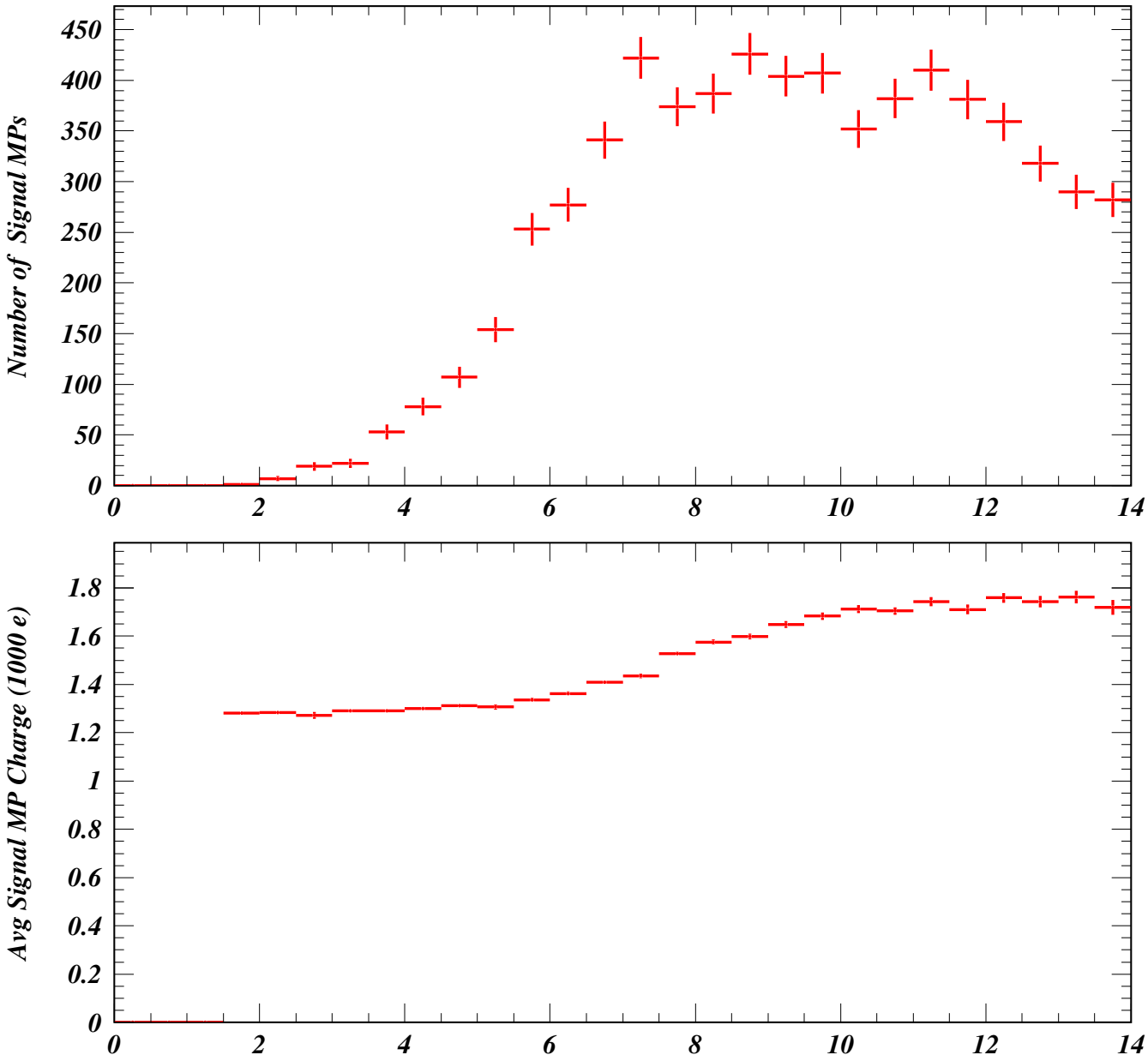
10/08/03 12.06

Job 16631: Button Signal Energies For 0 < T < 14 ns: Primaries Only



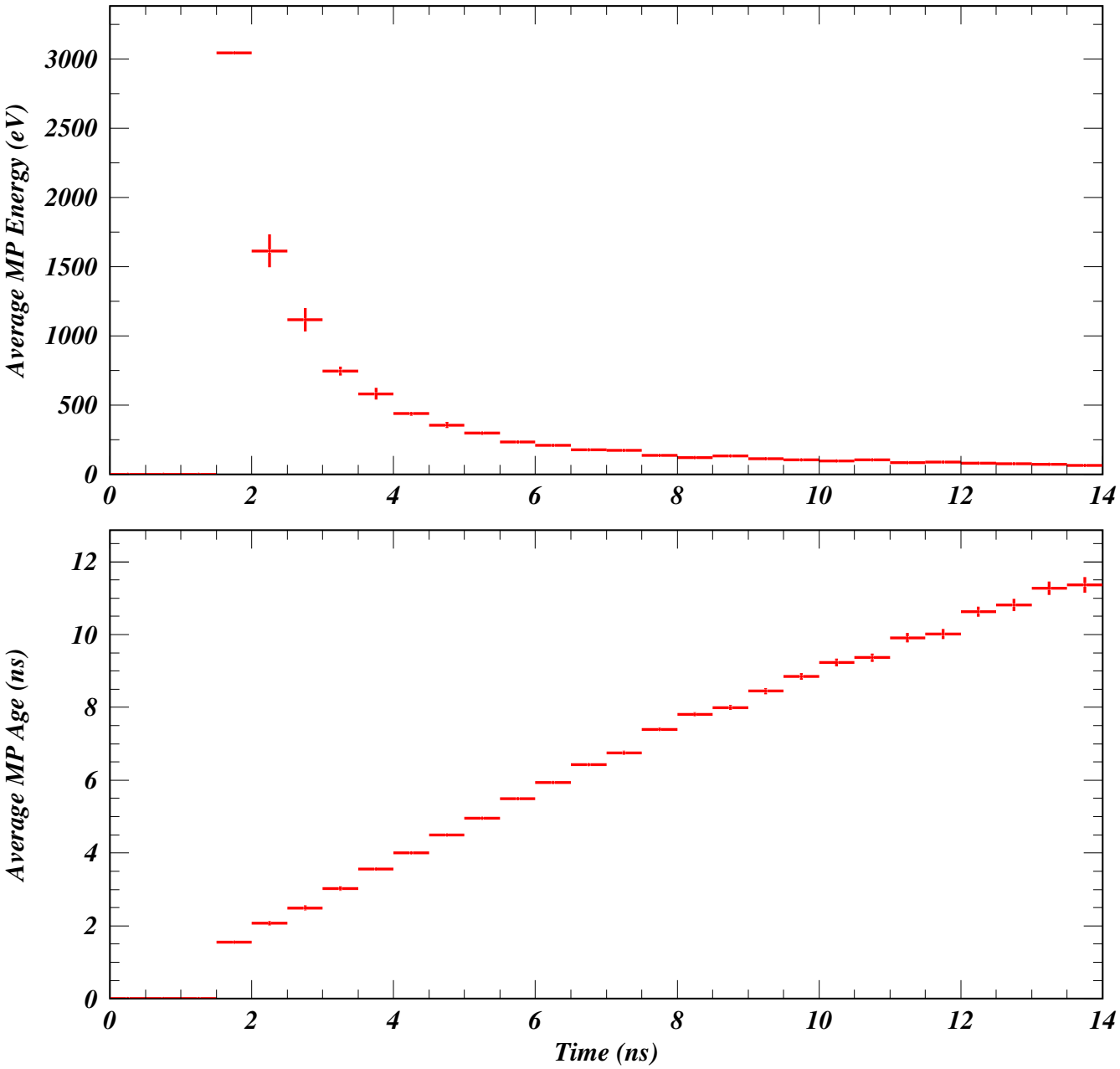
10/08/03 12.06

Job 16631: Button Signal Macroparticles For 0 < T < 14 ns

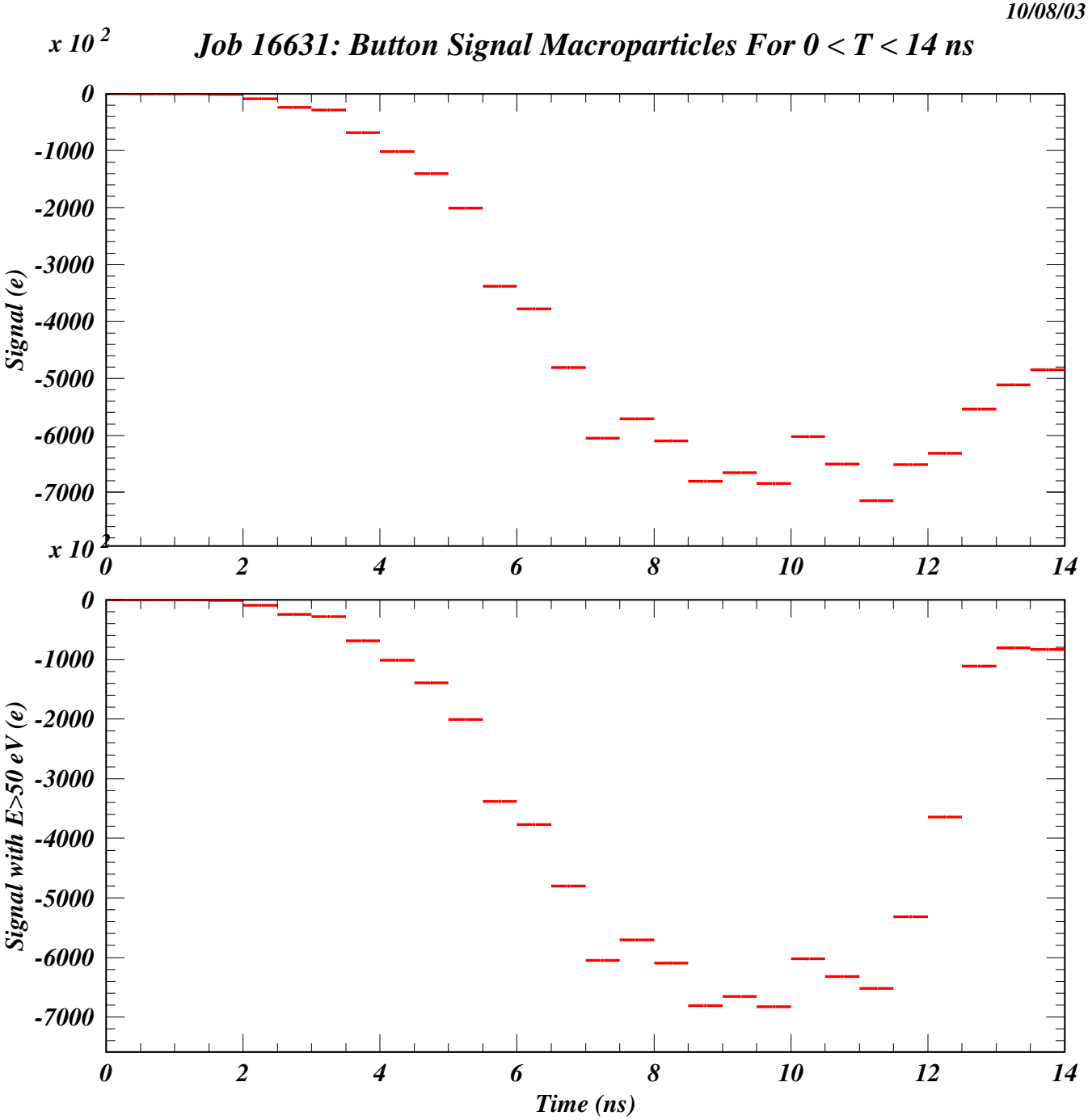


10/08/03 12.06

Job 16631: Button Signal Macroparticles For 0 < T < 14 ns

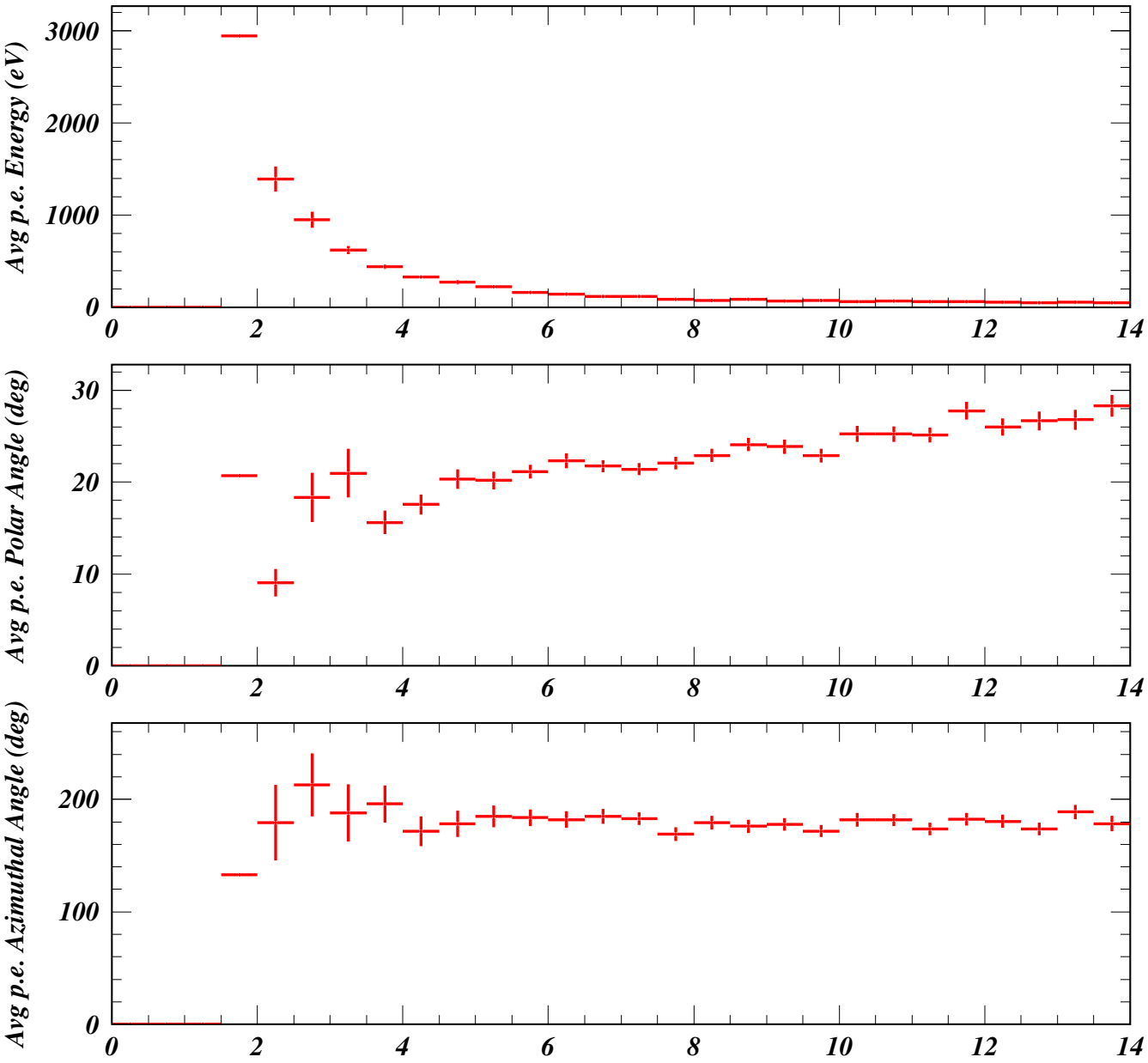


10/08/03 12.06

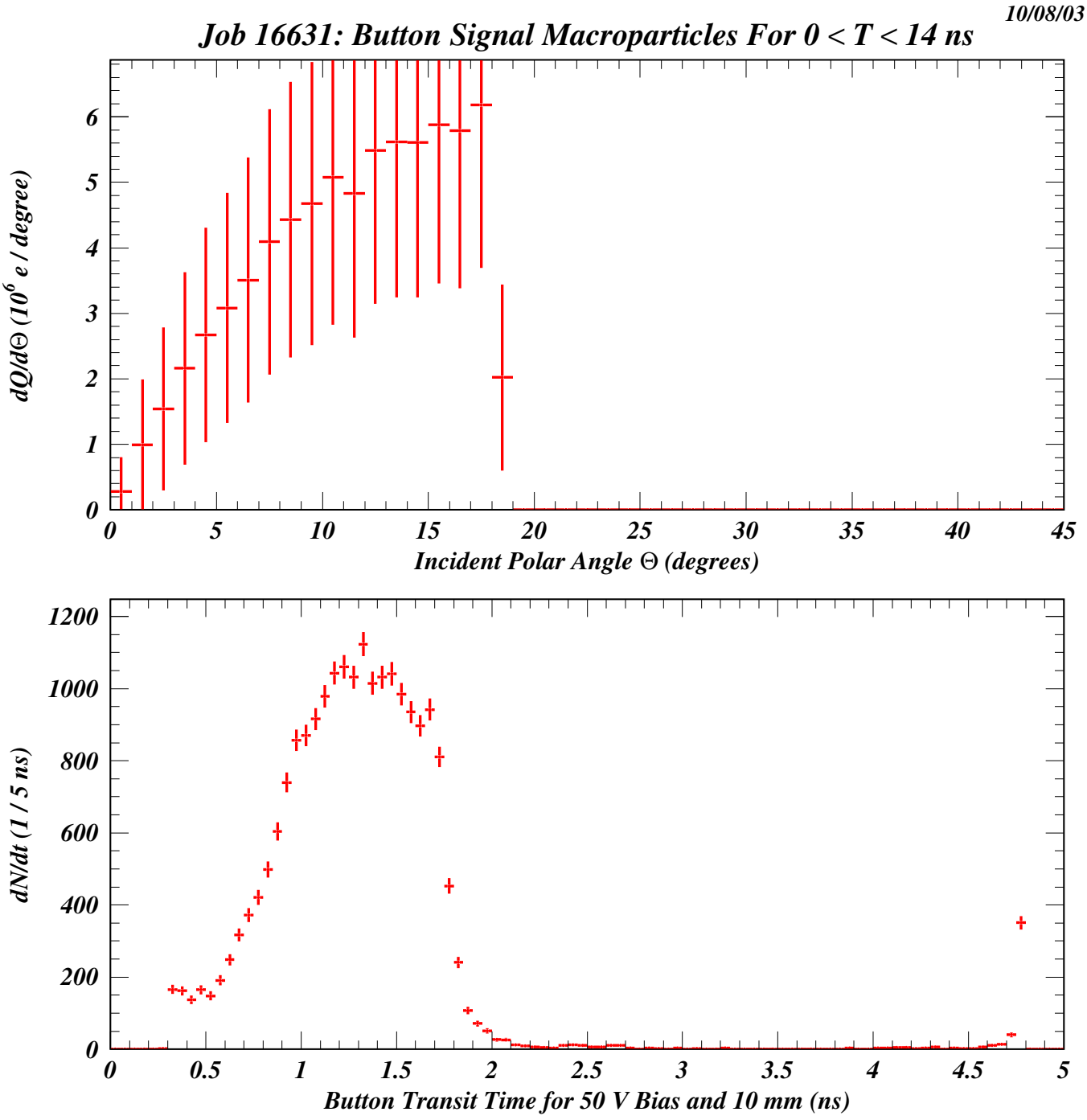

x 10 2
Job 16631: Button Signal Macroparticles For 0 < T < 14 ns
Signal (e)
0
-1000
-2000
-3000
-4000
-5000
-6000
-7000
x 10 2
0
2
4
6
8
10
12
14
Signal with E>50 eV (e)
Time (ns)

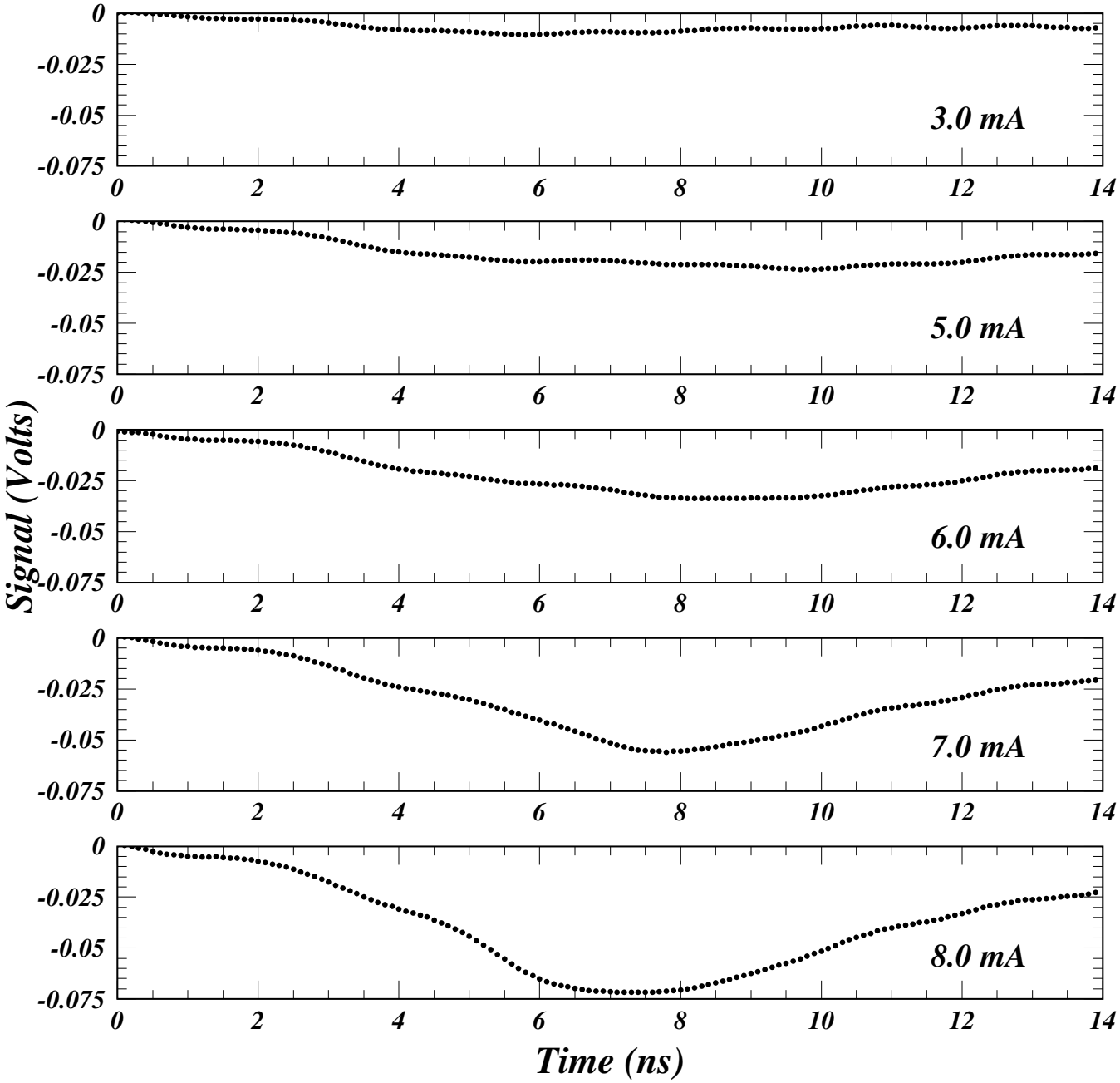
10/08/03 12.06

Job 16631: Button Signal Macroparticles For 0 < T < 14 ns



10/08/03 12.06


Job 16631: Button Signal Macroparticles For 0 < T < 14 ns
dQ/dΘ (10^6 e / degree)
0
1
2
3
4
5
6
0
5
10
15
20
25
30
35
40
45
Incident Polar Angle Θ (degrees)
dN/dt (1 / 5 ns)
0
200
400
600
800
1000
1200
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)

10/08/03 12.06

15E (TiN) SPU Measurements (3/16/2010, 5.3 GeV e+, Button 2)