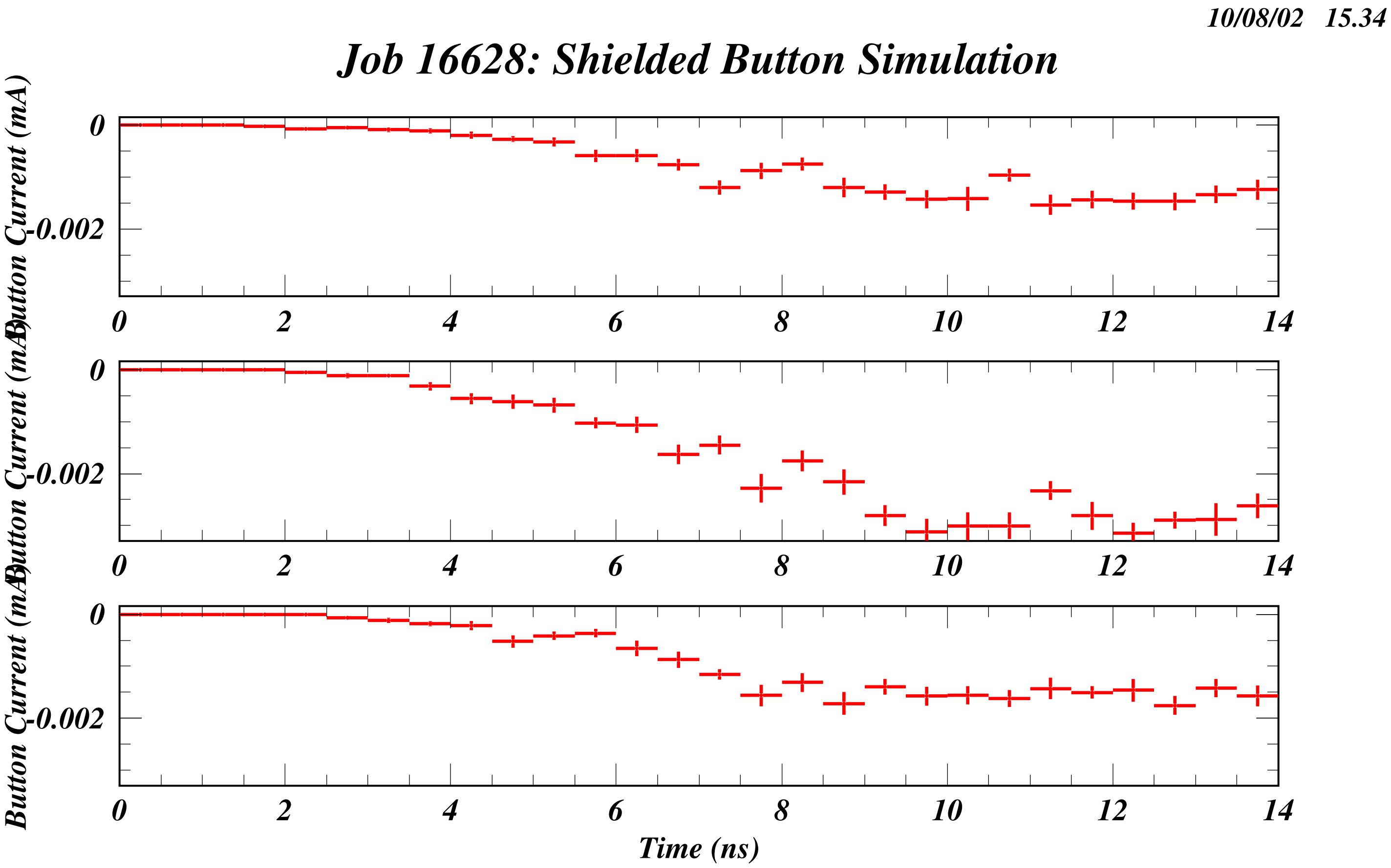
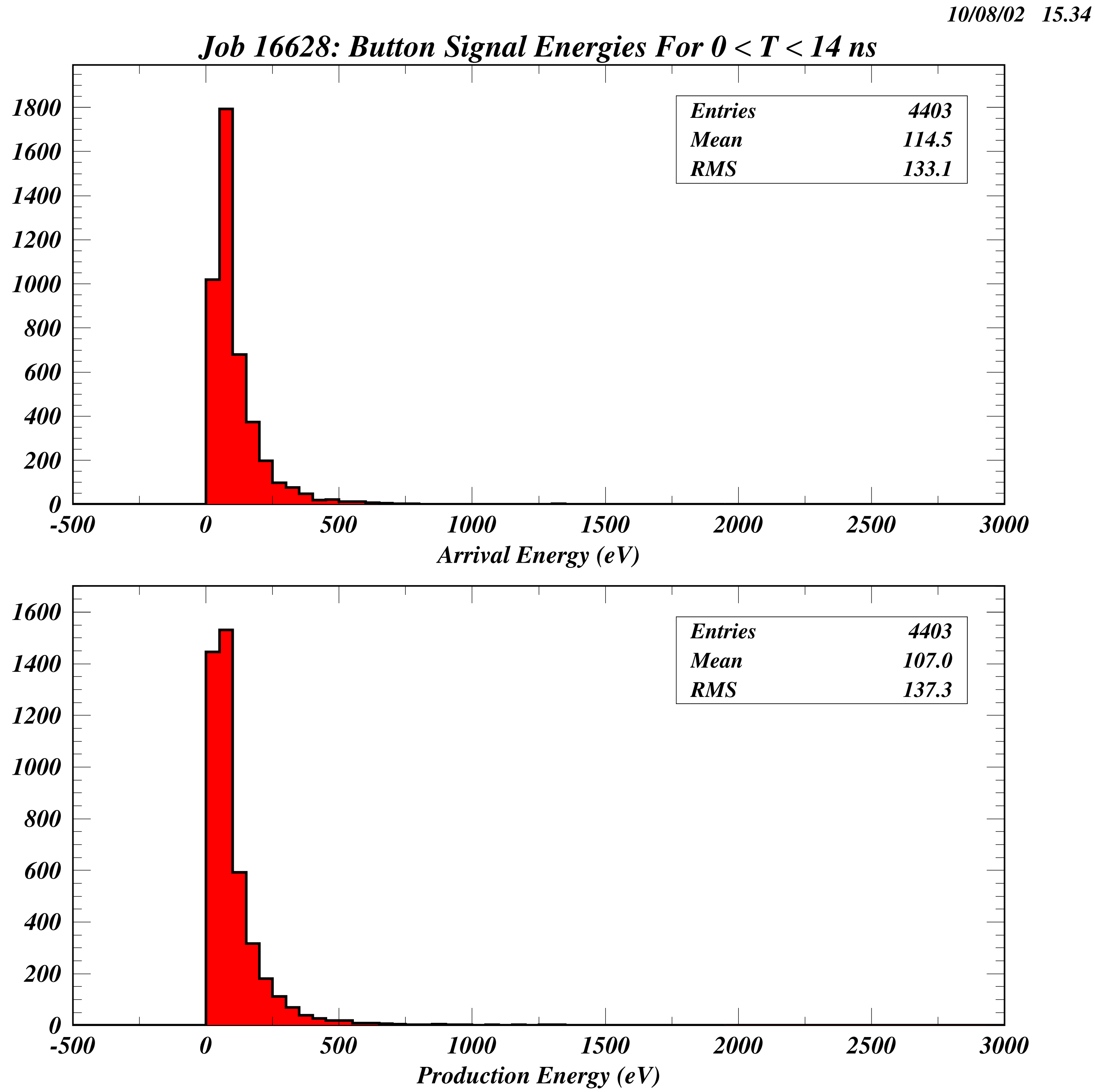
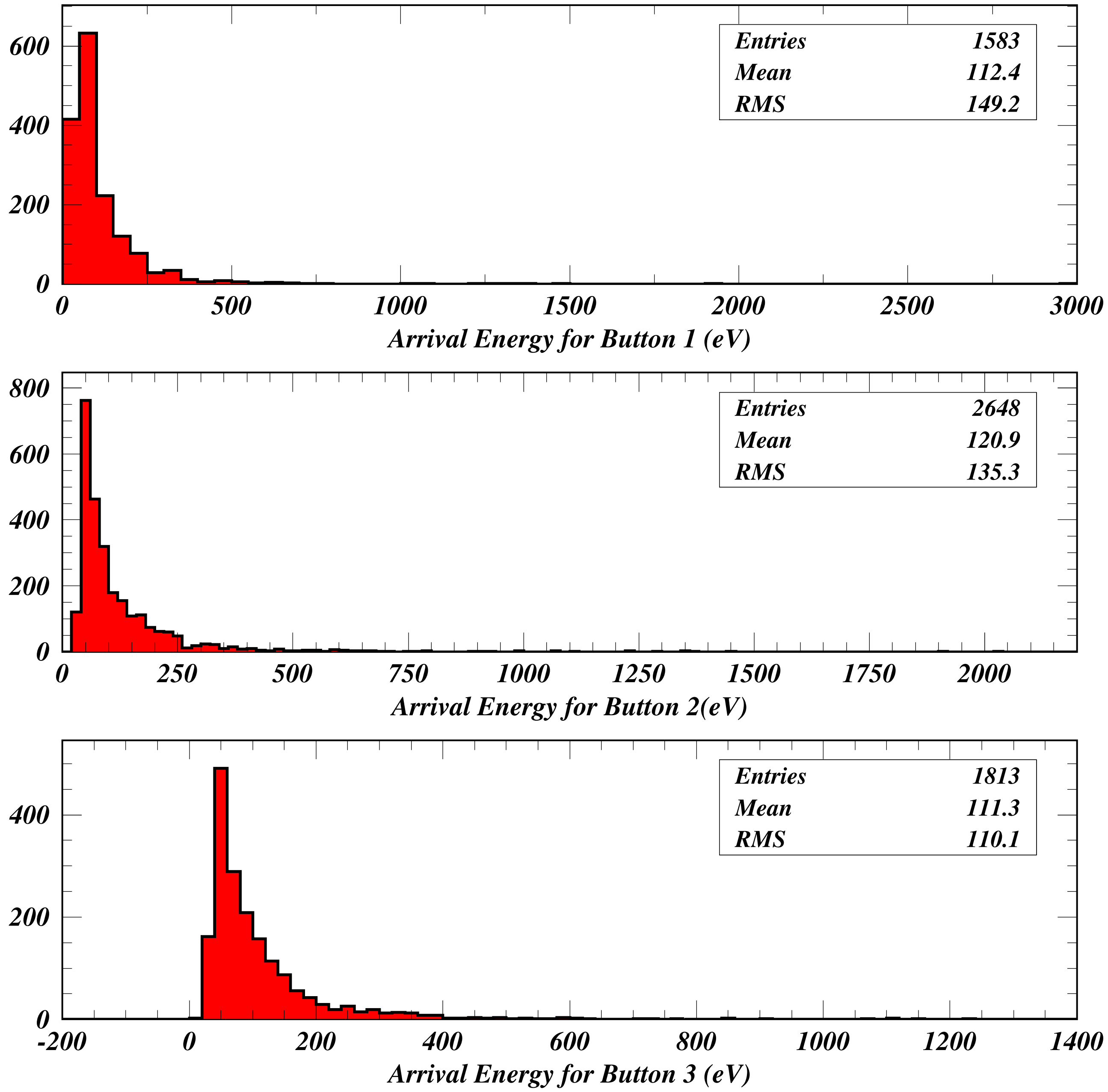

10/08/02 15.34
Job 16628: Shielded Button Simulation
Button Current (mA)
0
-0.002
0 2 4 6 8 10 12 14
Time (ns)


10/08/02 15.34
Job 16628: Button Signal Energies For 0 < T < 14 ns
Entries 4403
Mean 114.5
RMS 133.1
0
200
400
600
800
1000
1200
1400
1600
1800
-500
0
500
1000
1500
2000
2500
3000
Arrival Energy (eV)
Entries 4403
Mean 107.0
RMS 137.3
0
200
400
600
800
1000
1200
1400
1600
-500
0
500
1000
1500
2000
2500
3000
Production Energy (eV)

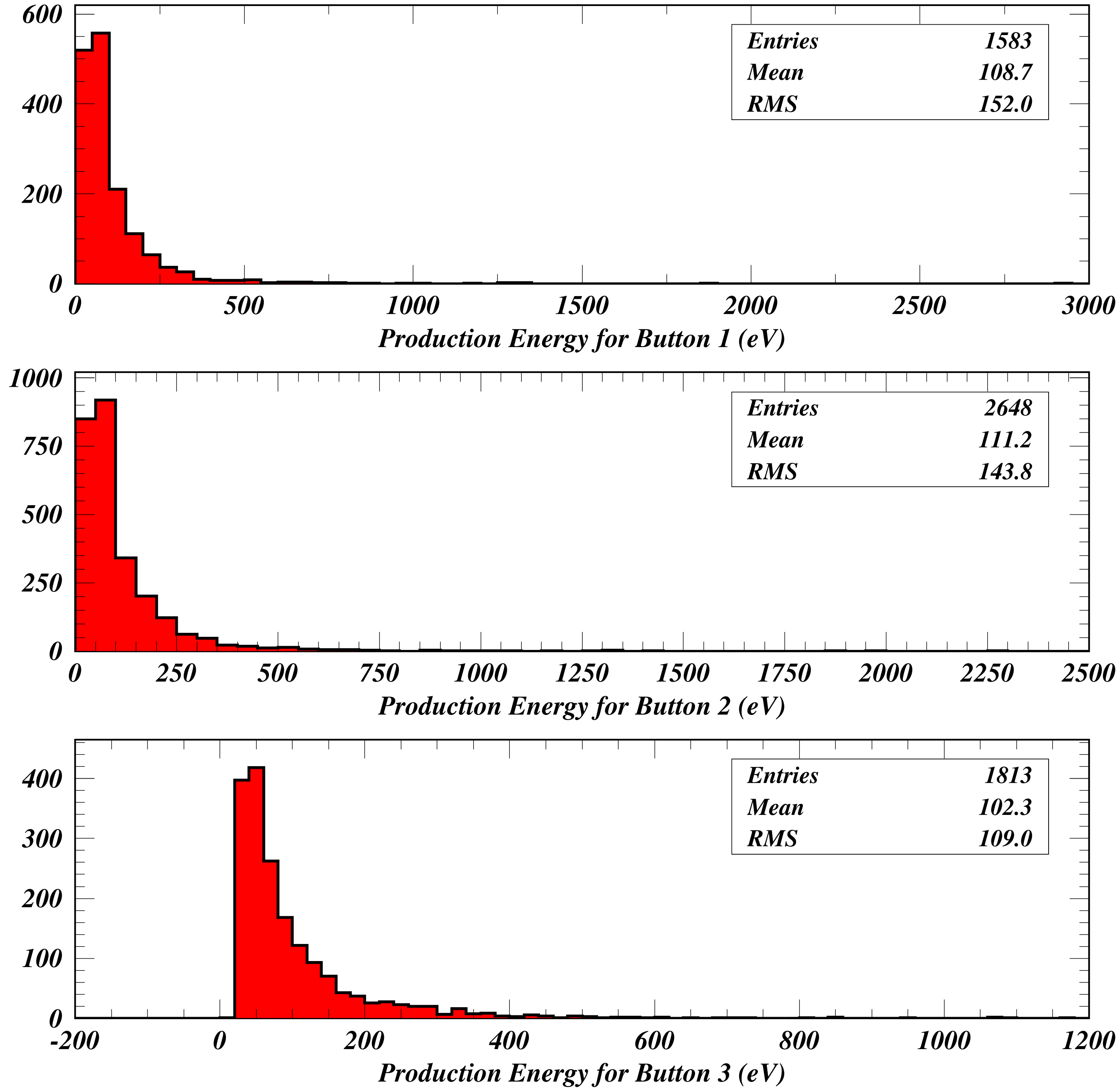
10/08/02 15.34

Job 16628: Button Signal Energies For 0 < T < 14 ns

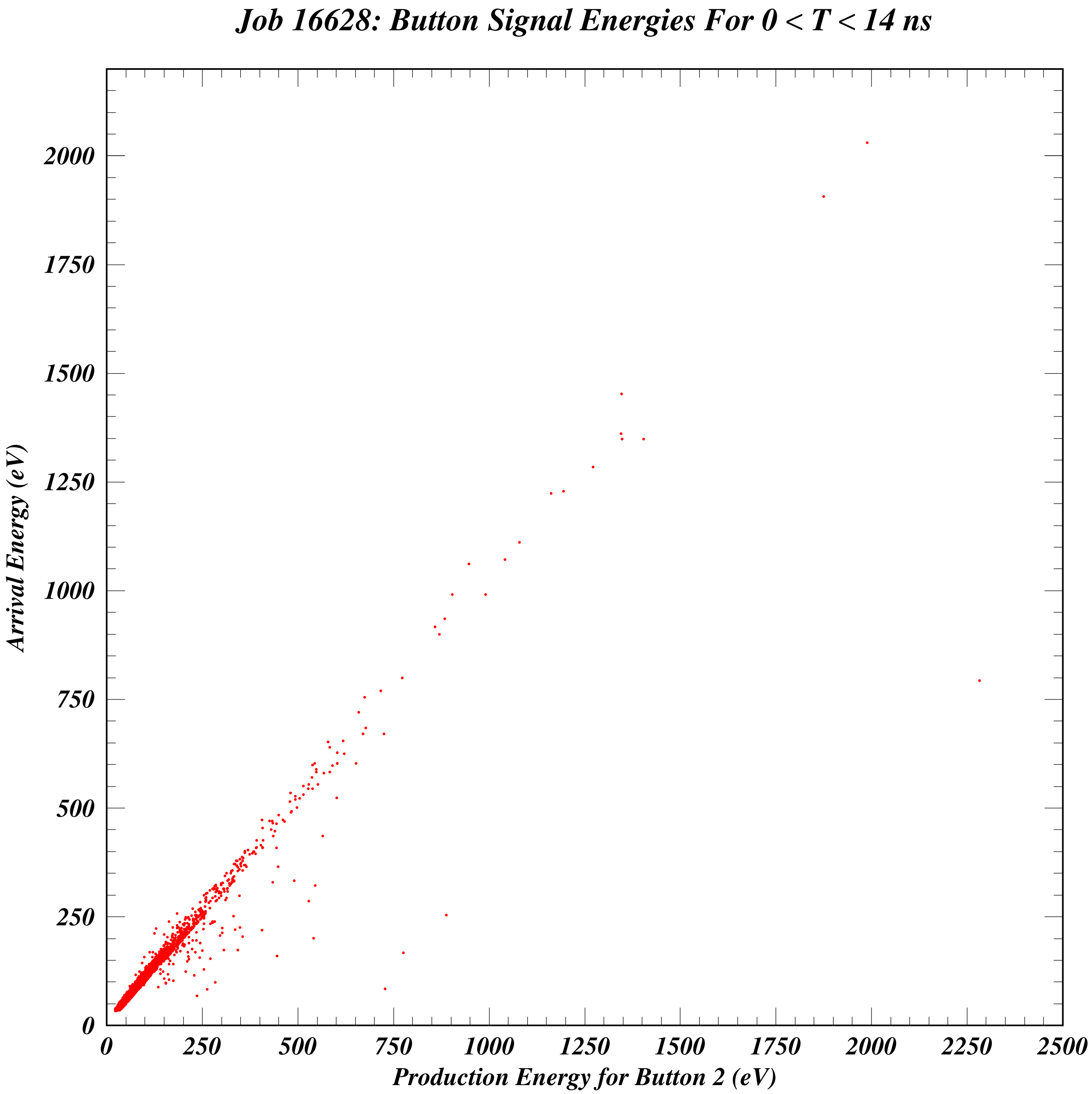


10/08/02 15.34

Job 16628: Button Signal Energies For 0 < T < 14 ns

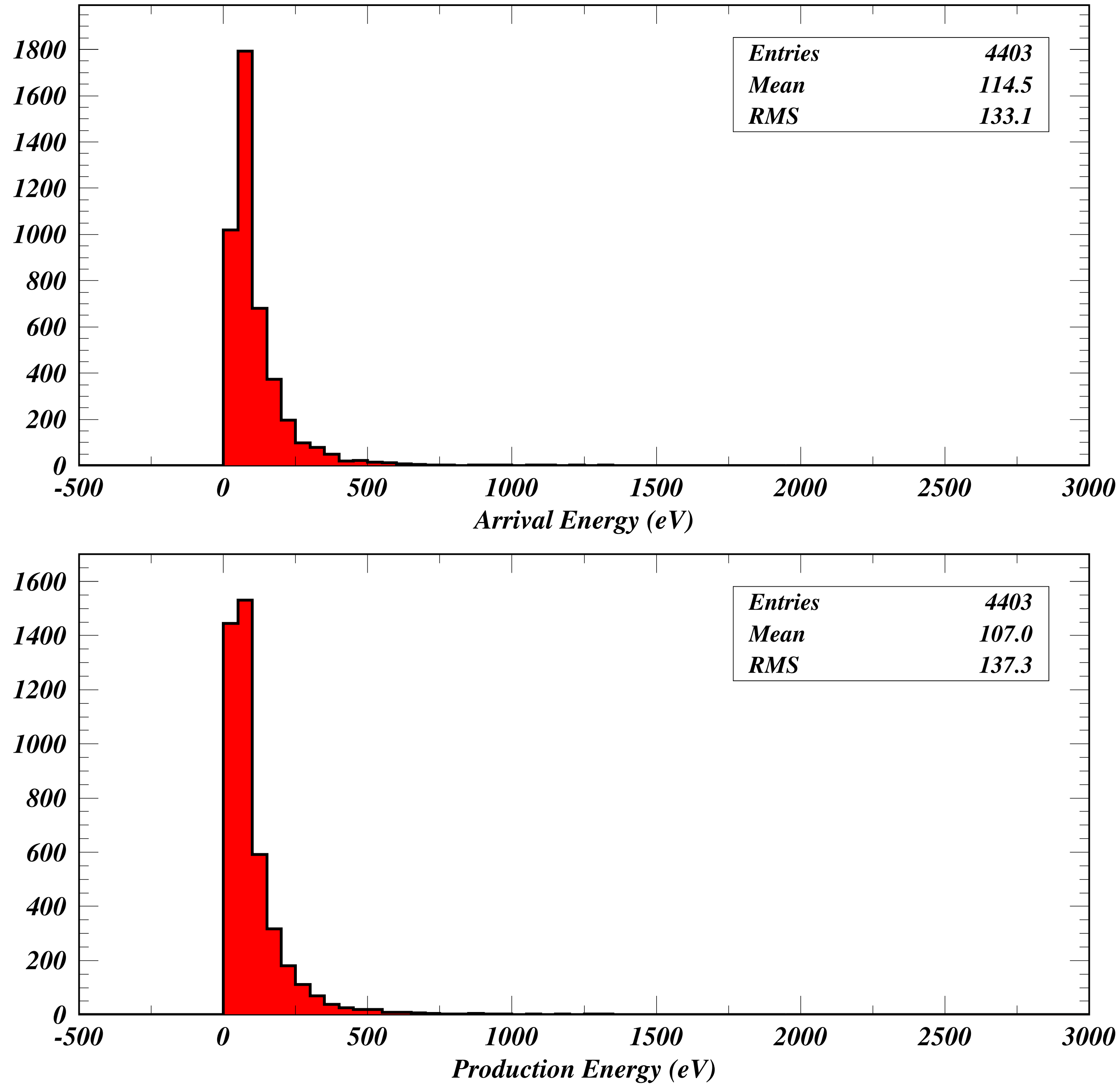


10/08/02 15.34


Job 16628: Button Signal Energies For 0 < T < 14 ns
Arrival Energy (eV)
Production Energy for Button 2 (eV)
0
250
500
750
1000
1250
1500
1750
2000
2250
2500

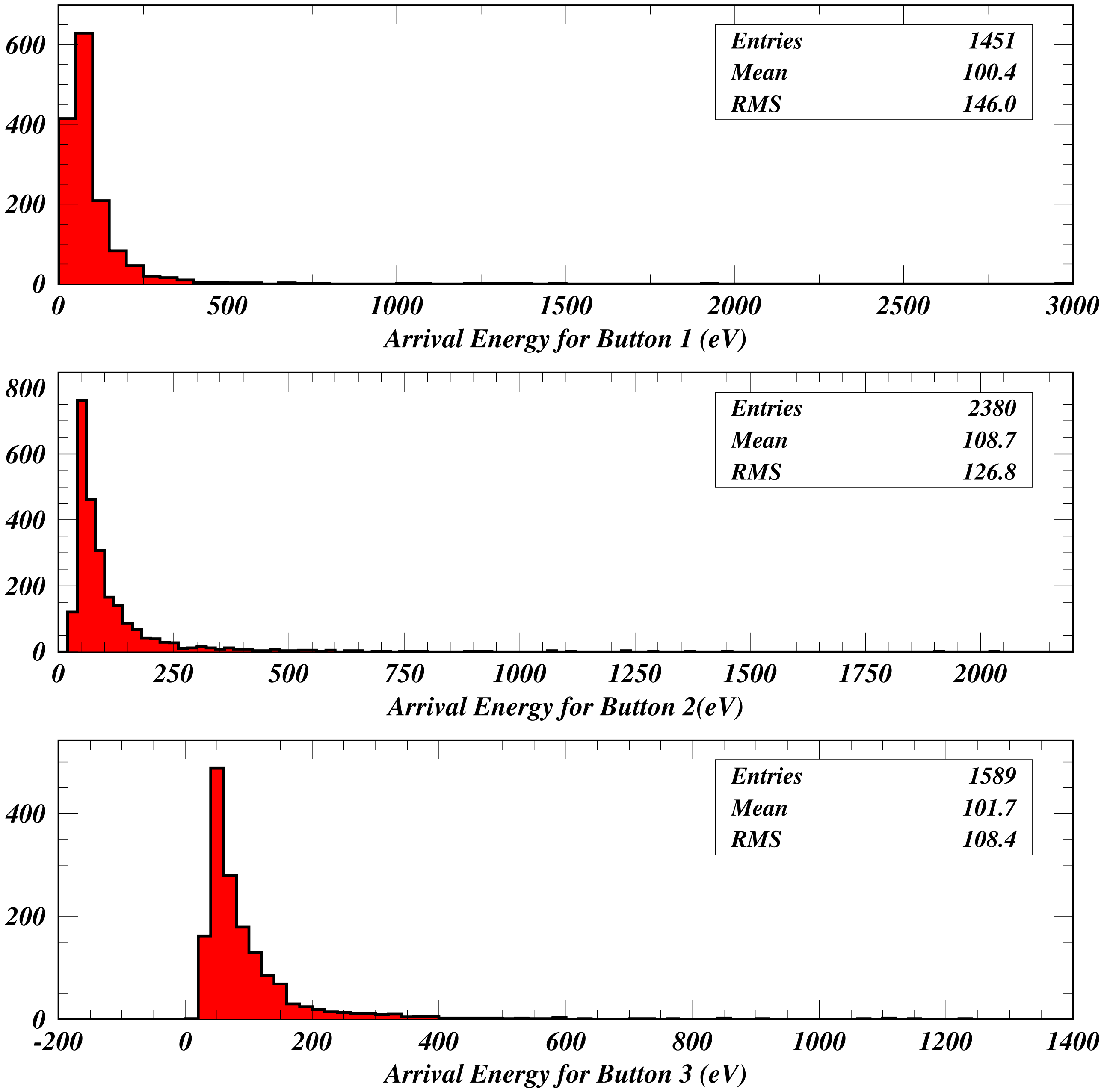
10/08/02 15.34

Job 16628: Button Signal Energies For 0 < T < 14 ns: Primaries Only



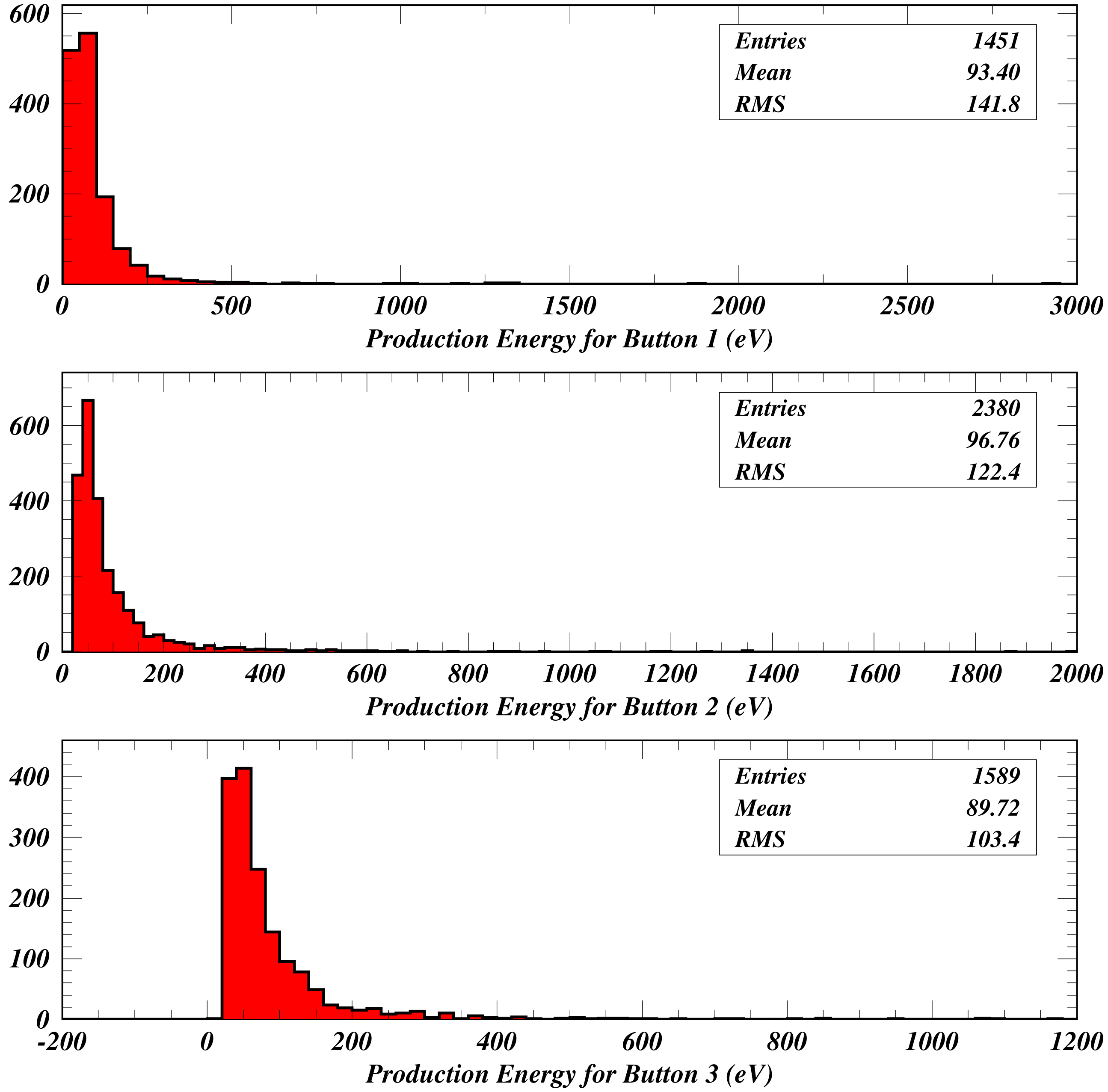
10/08/02 15.34

Job 16628: Button Signal Energies For 0 < T < 14 ns: Primaries Only



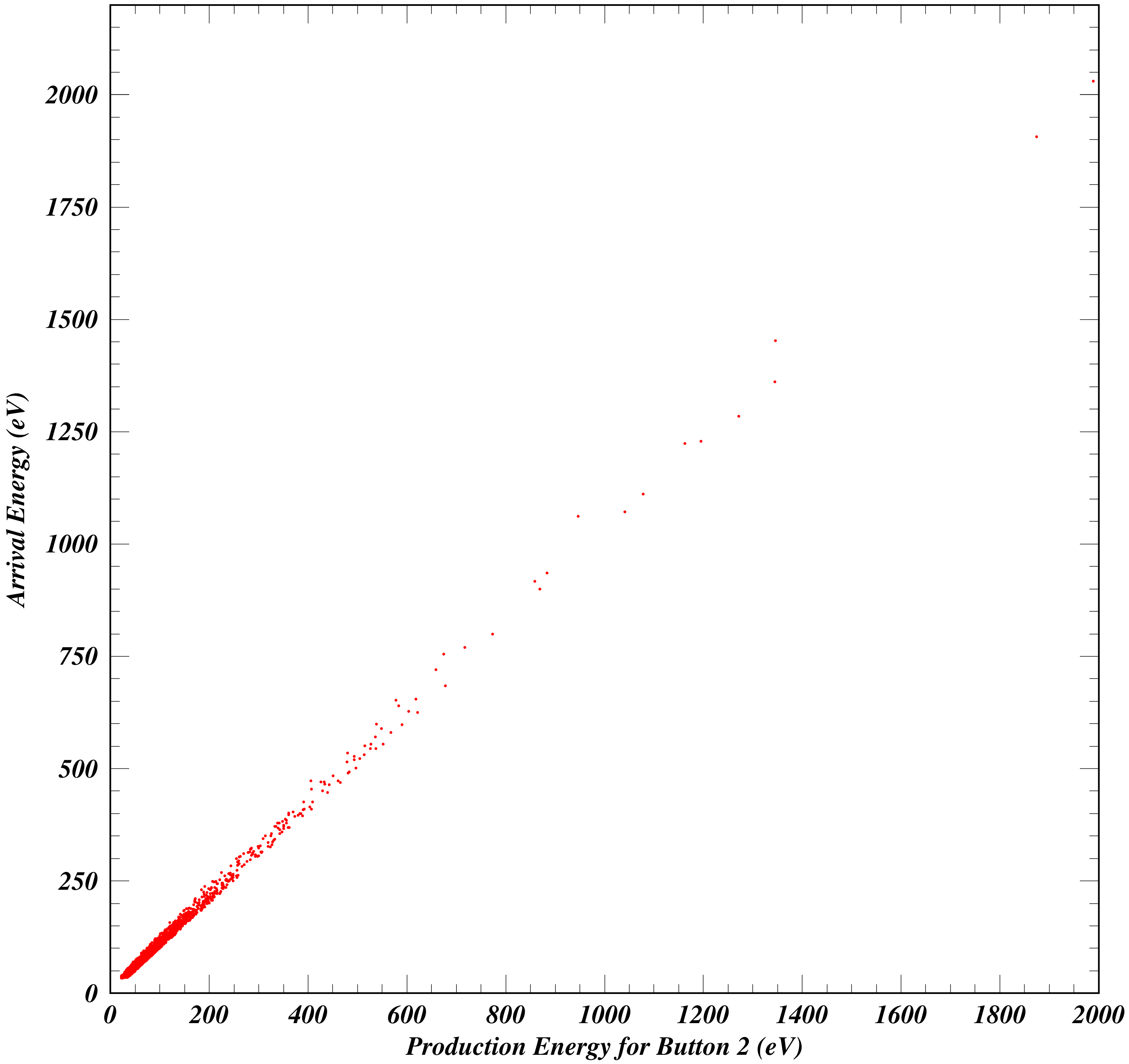
10/08/02 15.34

Job 16628: Button Signal Energies For 0 < T < 14 ns: Primaries Only

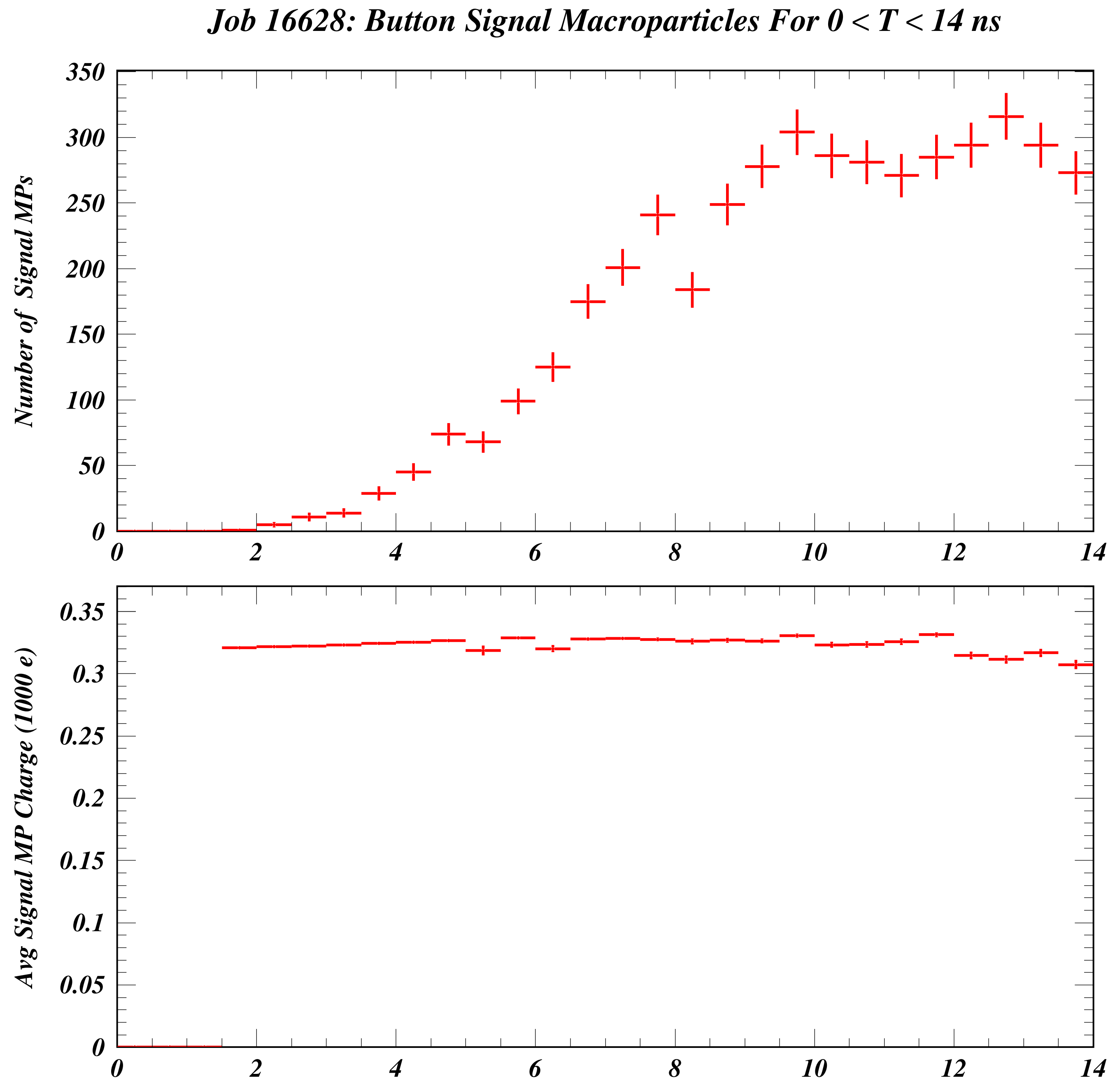


10/08/02 15.34

Job 16628: Button Signal Energies For 0 < T < 14 ns: Primaries Only

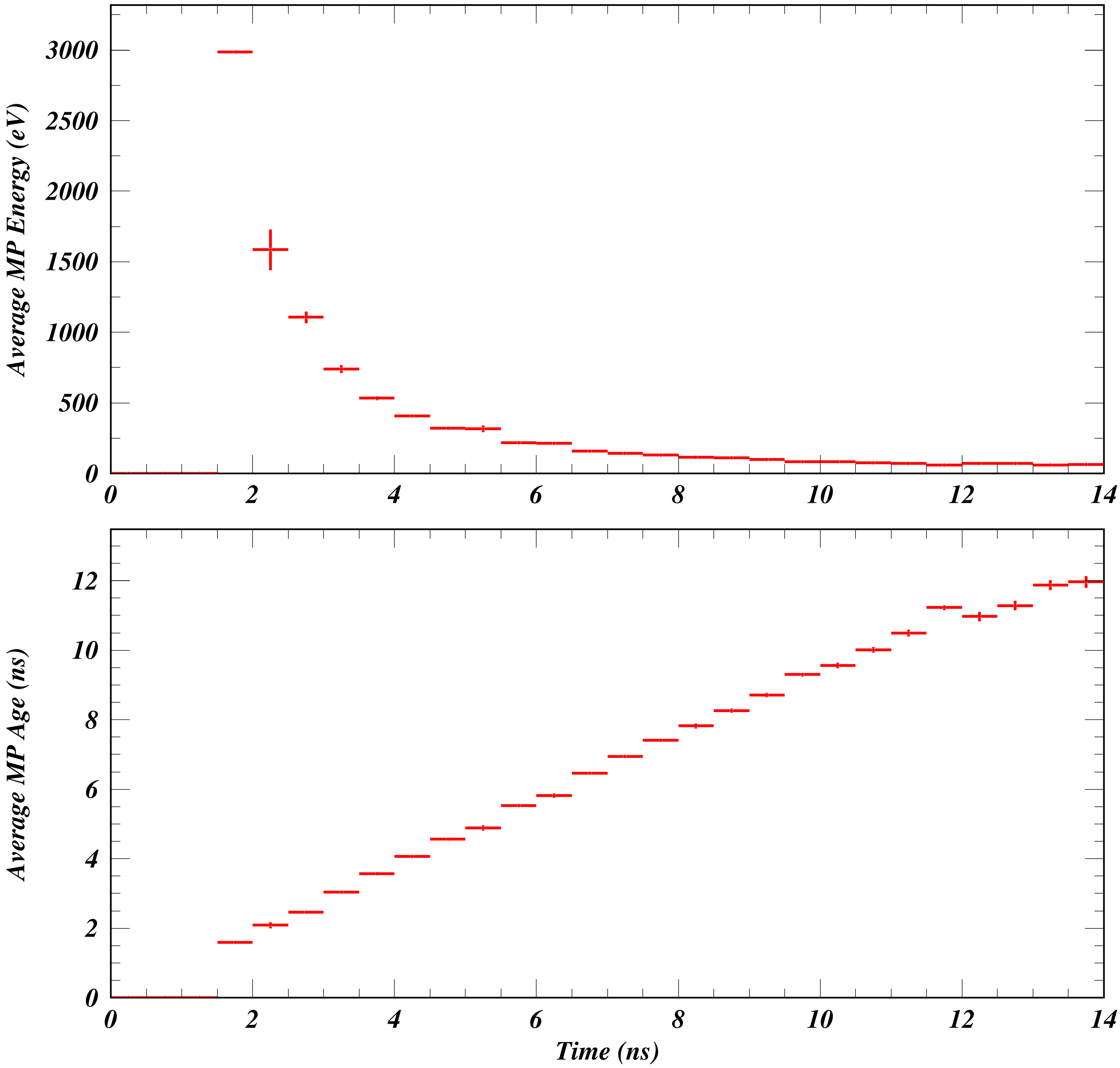


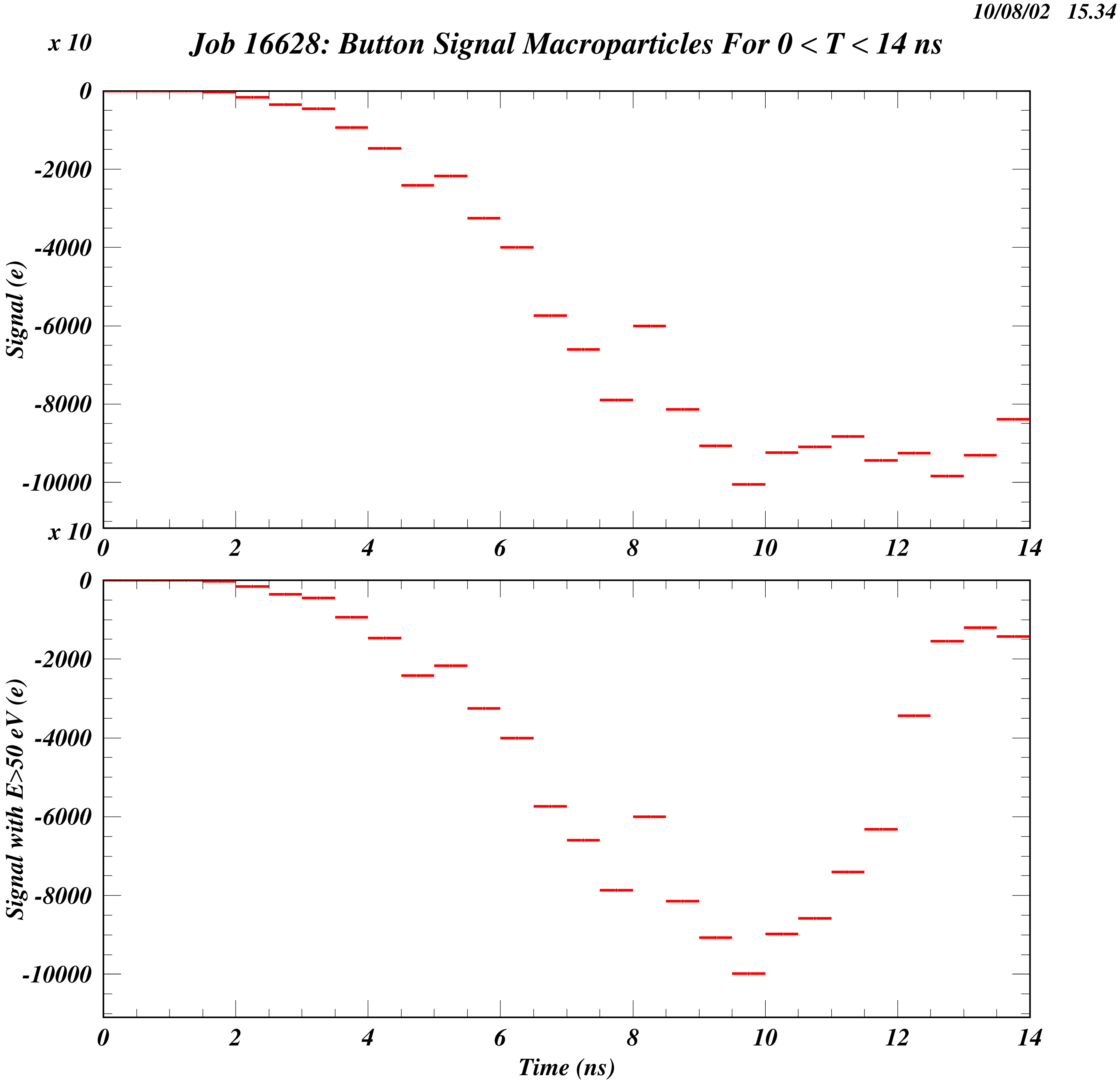
10/08/02 15.34


Job 16628: Button Signal Macroparticles For 0 < T < 14 ns
Number of Signal MPs
0
50
100
150
200
250
300
350
0
2
4
6
8
10
12
14
Avg Signal MP Charge (1000 e)
0
0.05
0.1
0.15
0.2
0.25
0.3
0.35
0
2
4
6
8
10
12
14

10/08/02 15.34

Job 16628: Button Signal Macroparticles For 0 < T < 14 ns

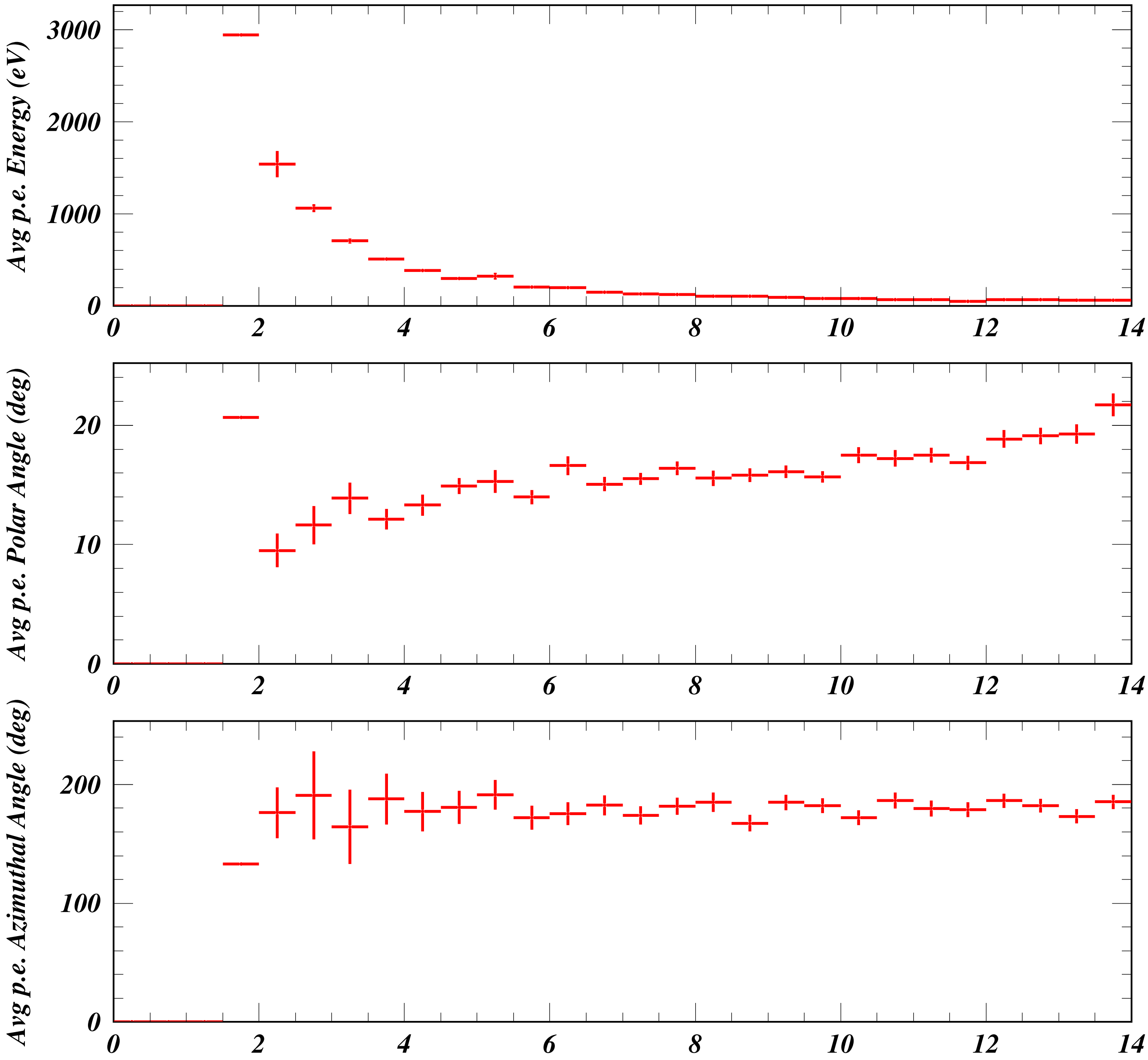


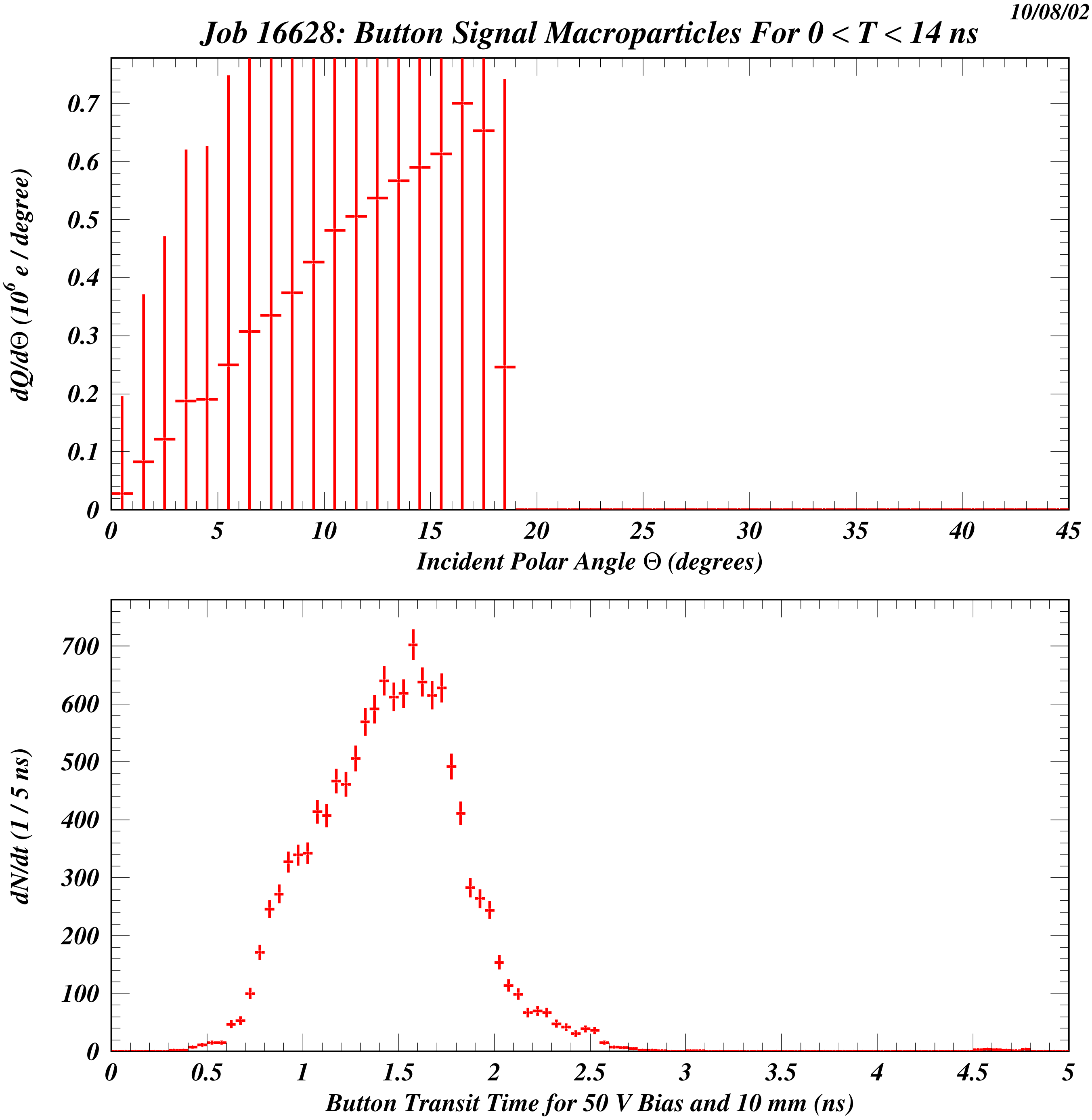


10/08/02 15.34
Job 16628: Button Signal Macroparticles For 0 < T < 14 ns
x 10
0
-2000
-4000
-6000
-8000
-10000
Signal (e)
x 10
0
2
4
6
8
10
12
14
Signal with E>50 eV (e)
Time (ns)

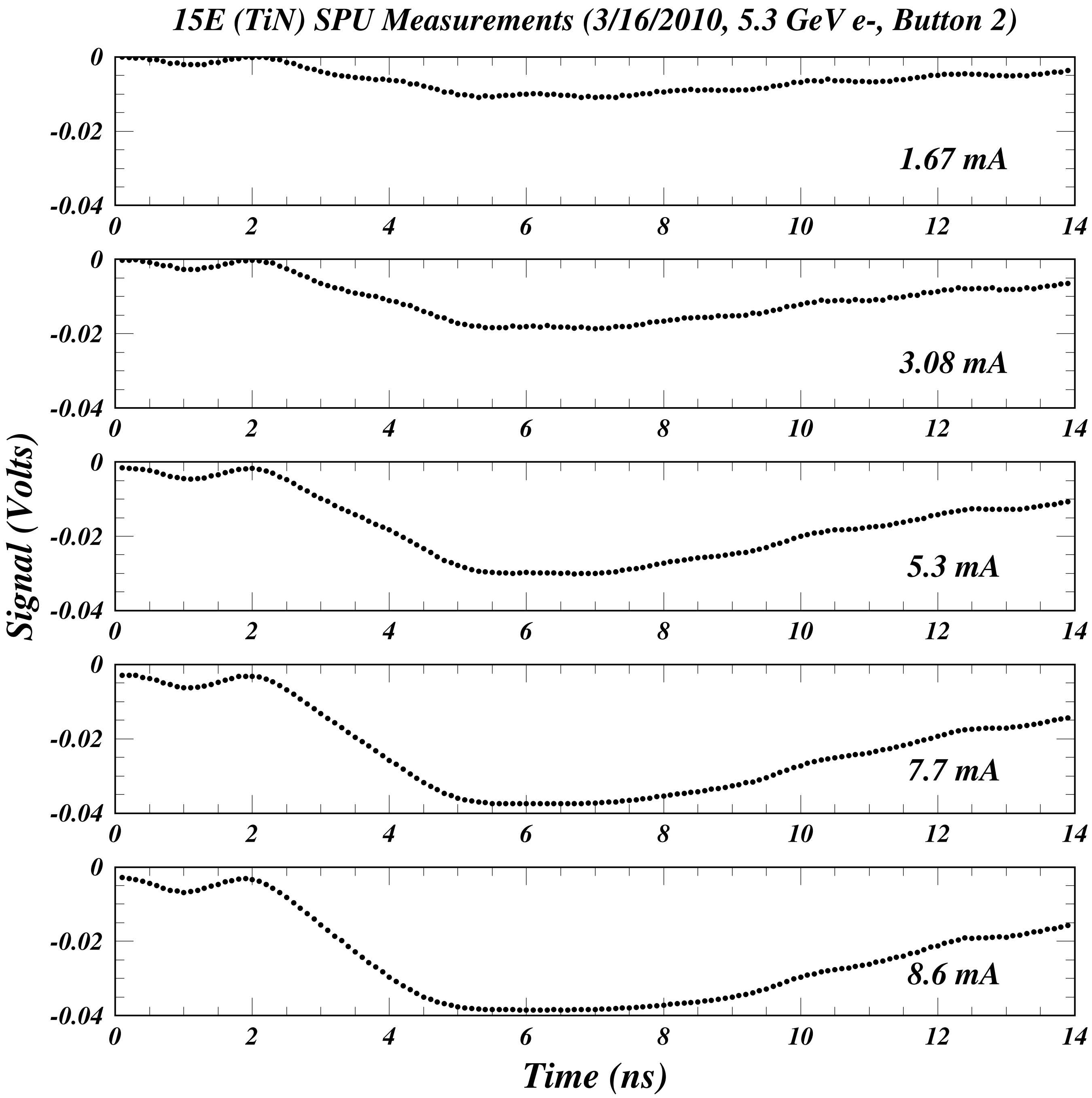
10/08/02 15.34

Job 16628: Button Signal Macroparticles For 0 < T < 14 ns




Job 16628: Button Signal Macroparticles For 0 < T < 14 ns
dQ/dΘ (10^6 e / degree)
0
0.1
0.2
0.3
0.4
0.5
0.6
0.7
0
5
10
15
20
25
30
35
40
45
Incident Polar Angle Θ (degrees)
dN/dt (1 / 5 ns)
0
100
200
300
400
500
600
700
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)

10/08/02 15.34


15E (TiN) SPU Measurements (3/16/2010, 5.3 GeV e-, Button 2)
Signal (Volts)
Time (ns)
1.67 mA
3.08 mA
5.3 mA
7.7 mA
8.6 mA
0
-0.02
-0.04
0
2
4
6
8
10
12
14