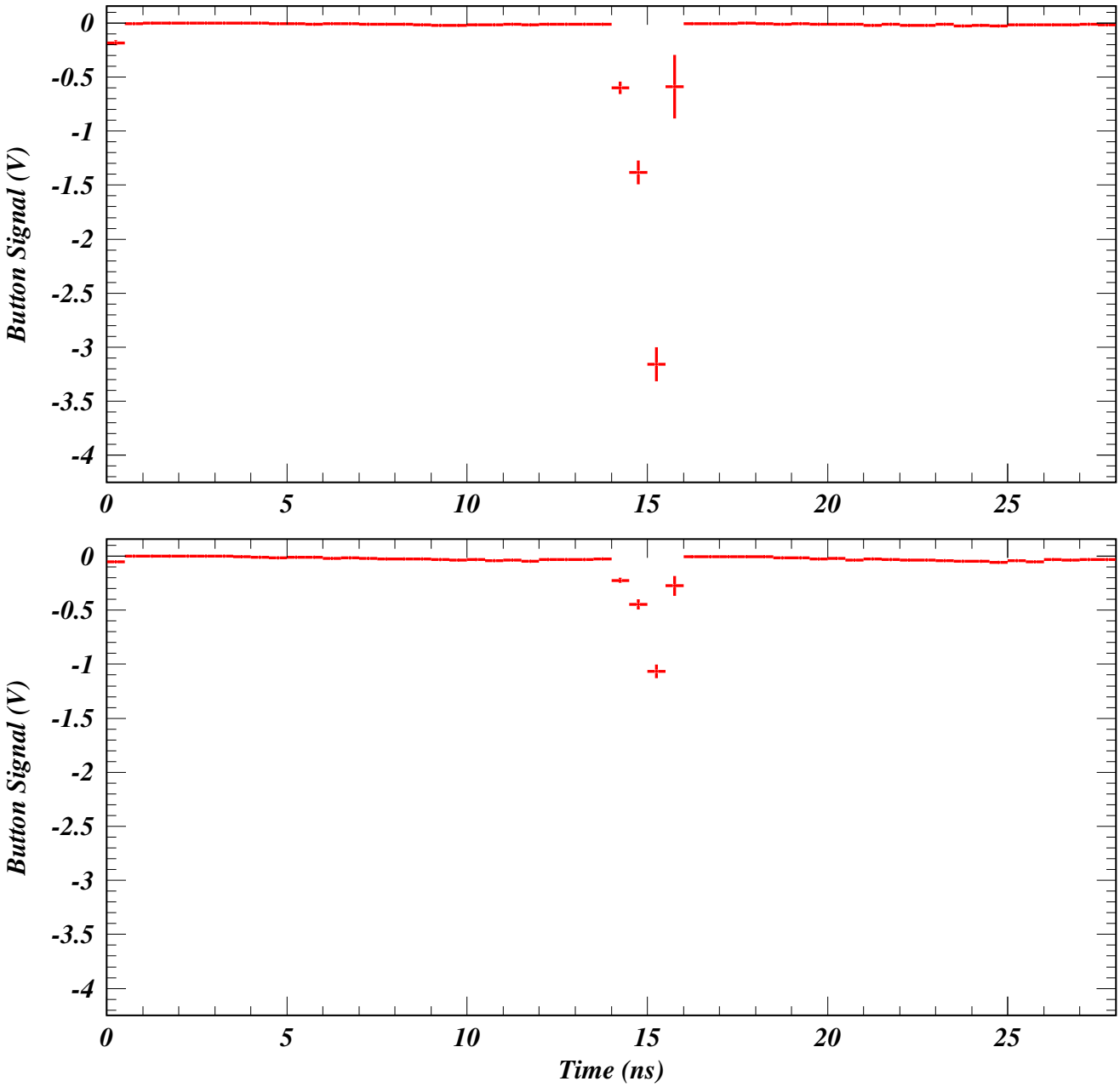
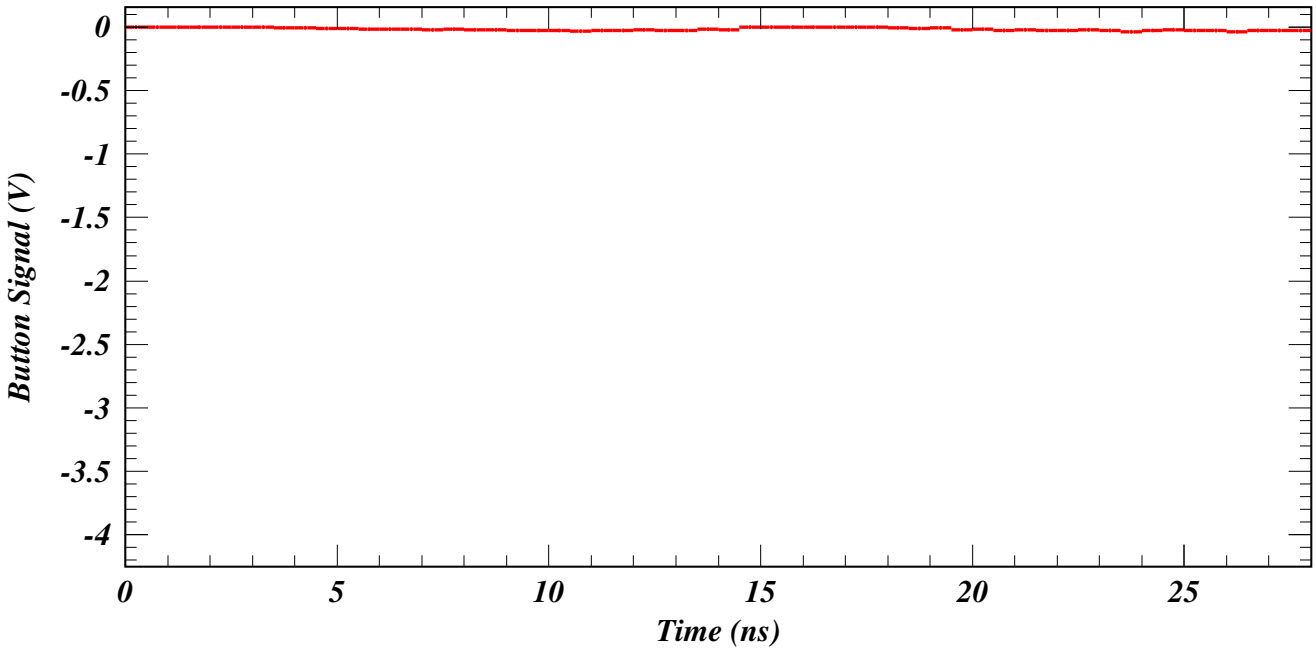
10/09/17 14.56

Job 16909: Shielded Button Simulation

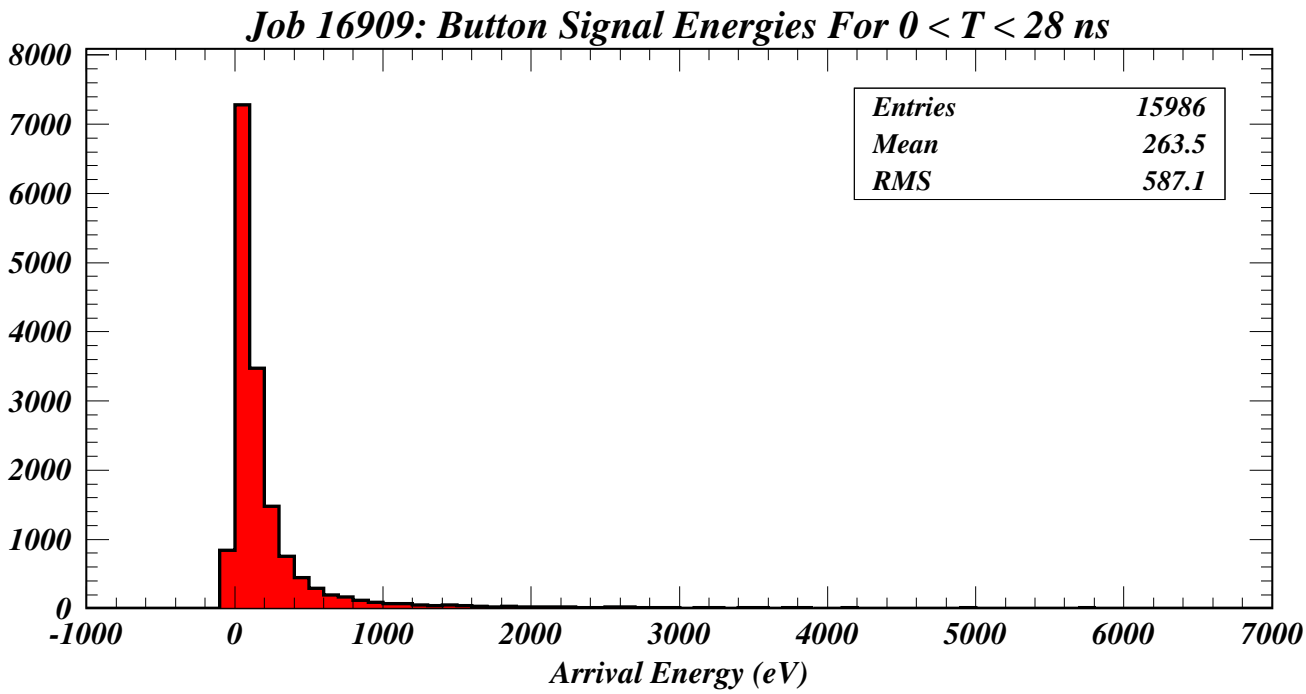


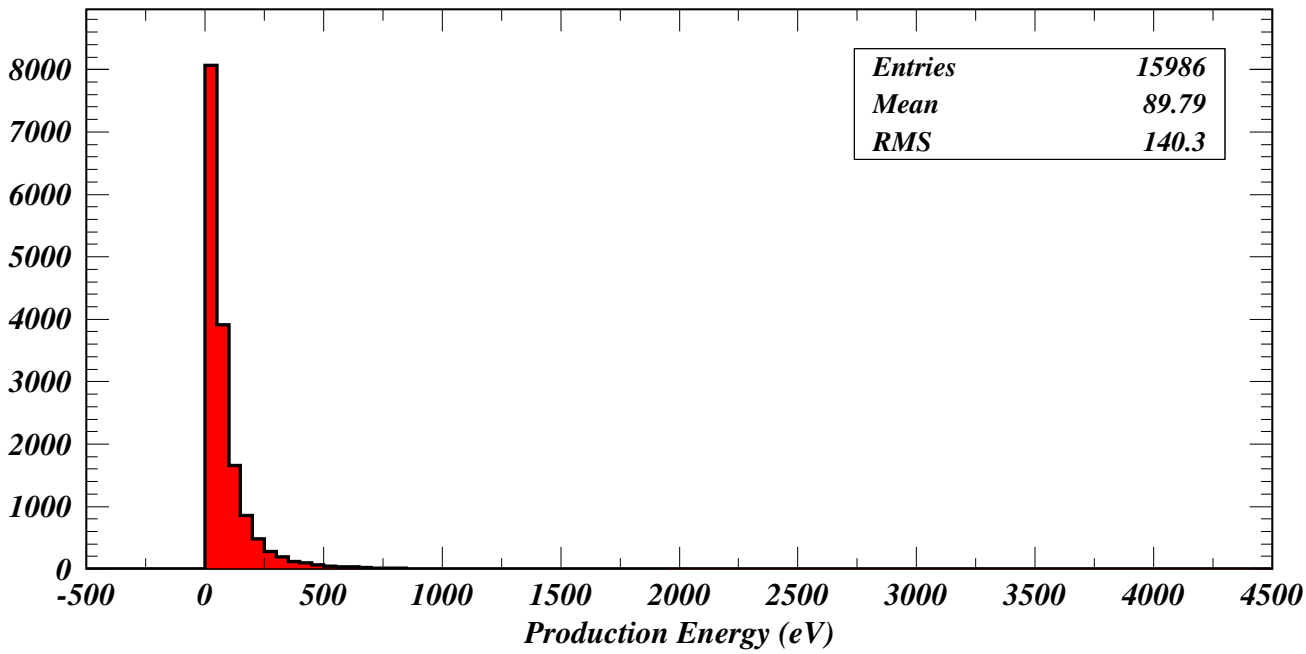
10/09/17 14.56

Job 16909: Shielded Button Simulation



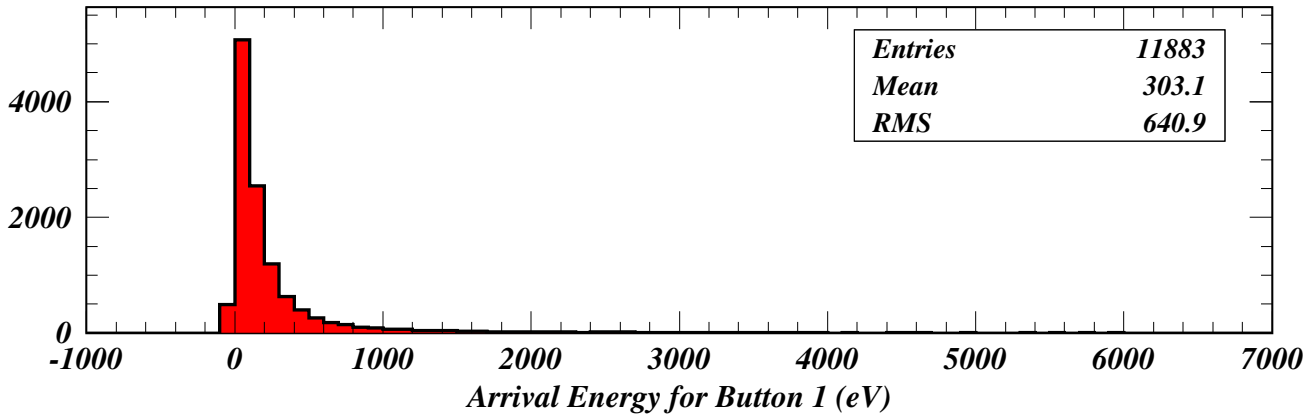
10/09/17 14.56

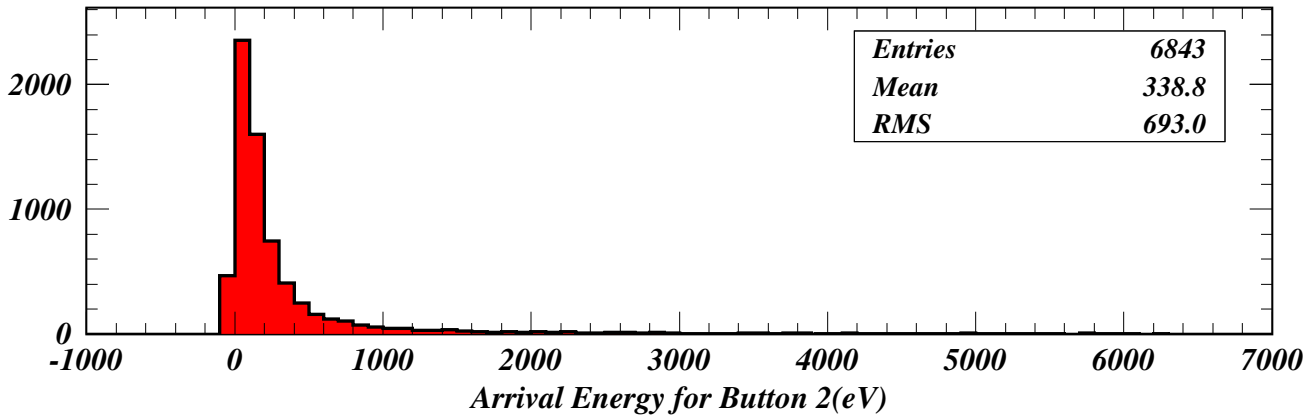

Job 16909: Button Signal Energies For 0 < T < 28 ns
Entries 15986
Mean 263.5
RMS 587.1
8000
7000
6000
5000
4000
3000
2000
1000
0
-1000
0
1000
2000
3000
4000
5000
6000
7000
Arrival Energy (eV)

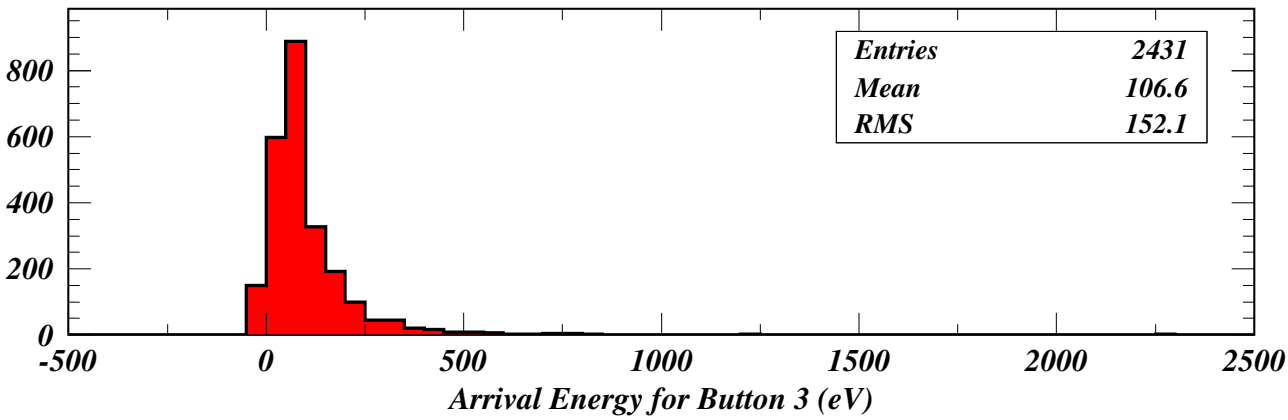

Entries 15986
Mean 89.79
RMS 140.3
8000
7000
6000
5000
4000
3000
2000
1000
0
-500
0
500
1000
1500
2000
2500
3000
3500
4000
4500
Production Energy (eV)

10/09/17 14.56

Job 16909: Button Signal Energies For 0 < T < 28 ns

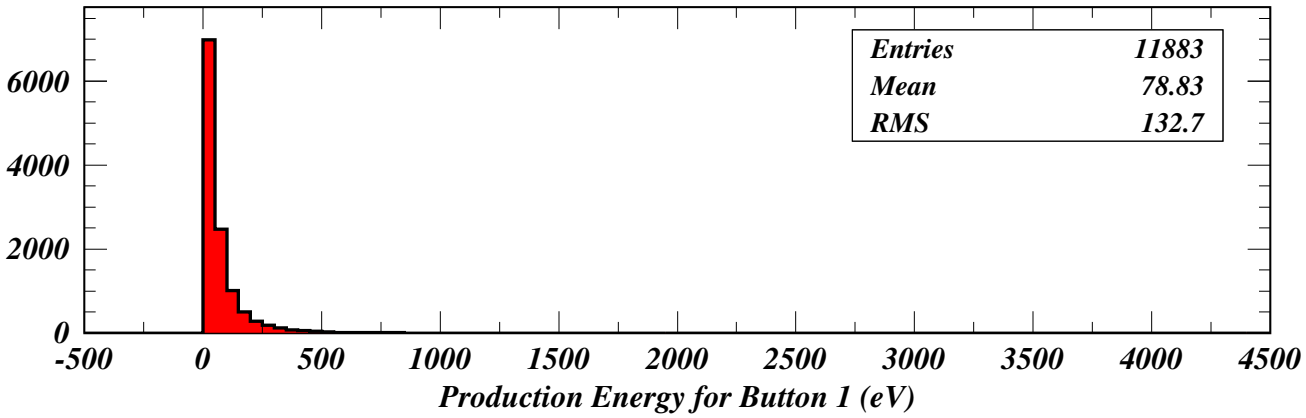


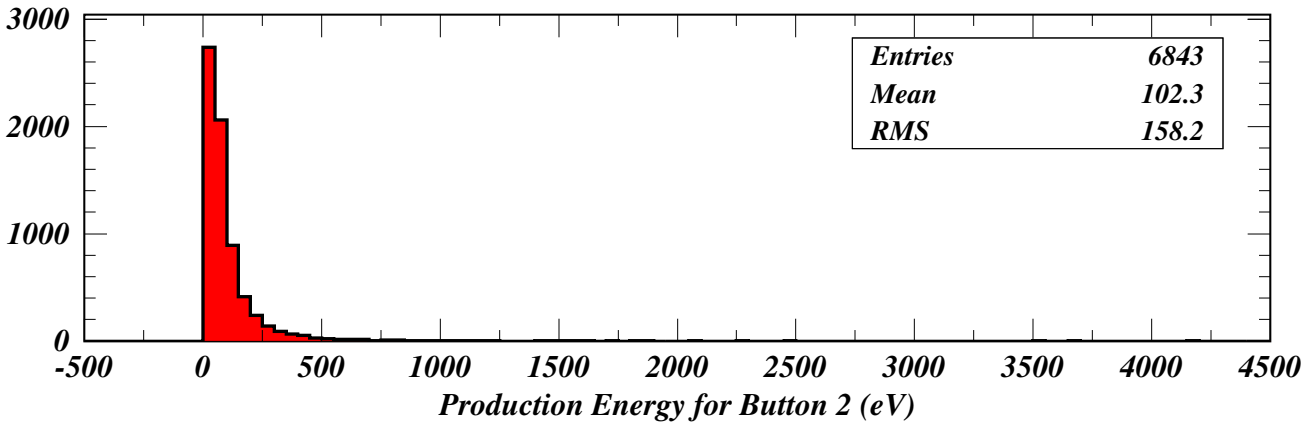


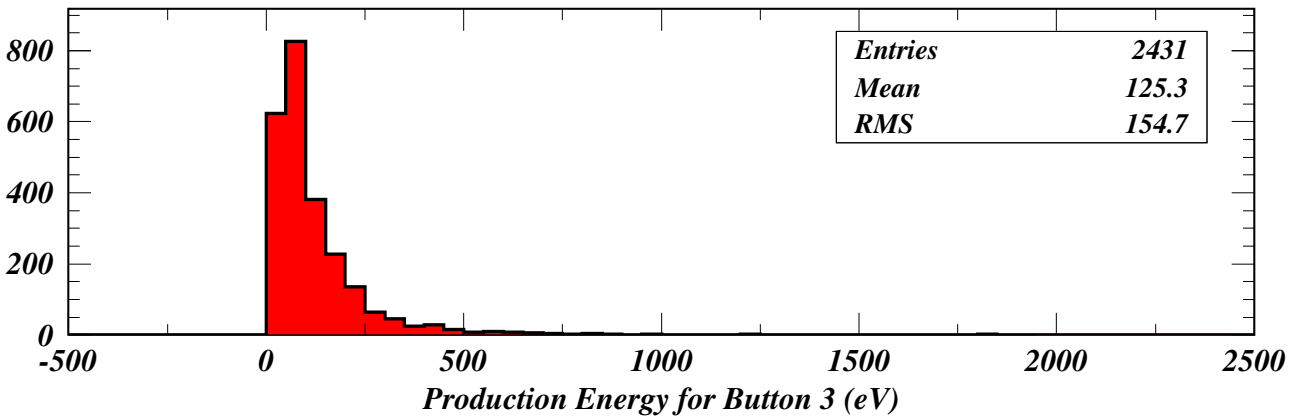


10/09/17 14.56

Job 16909: Button Signal Energies For 0 < T < 28 ns

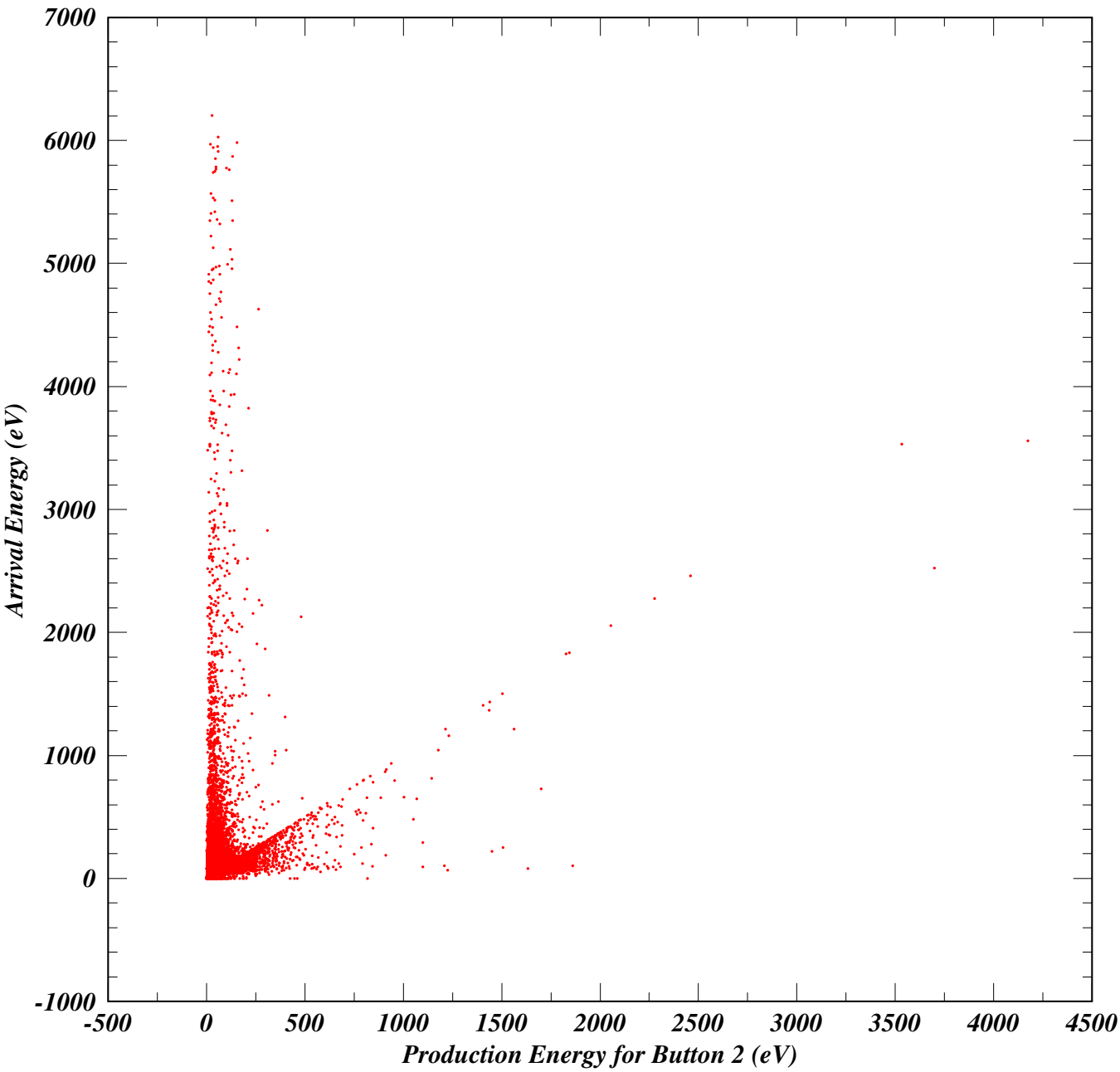






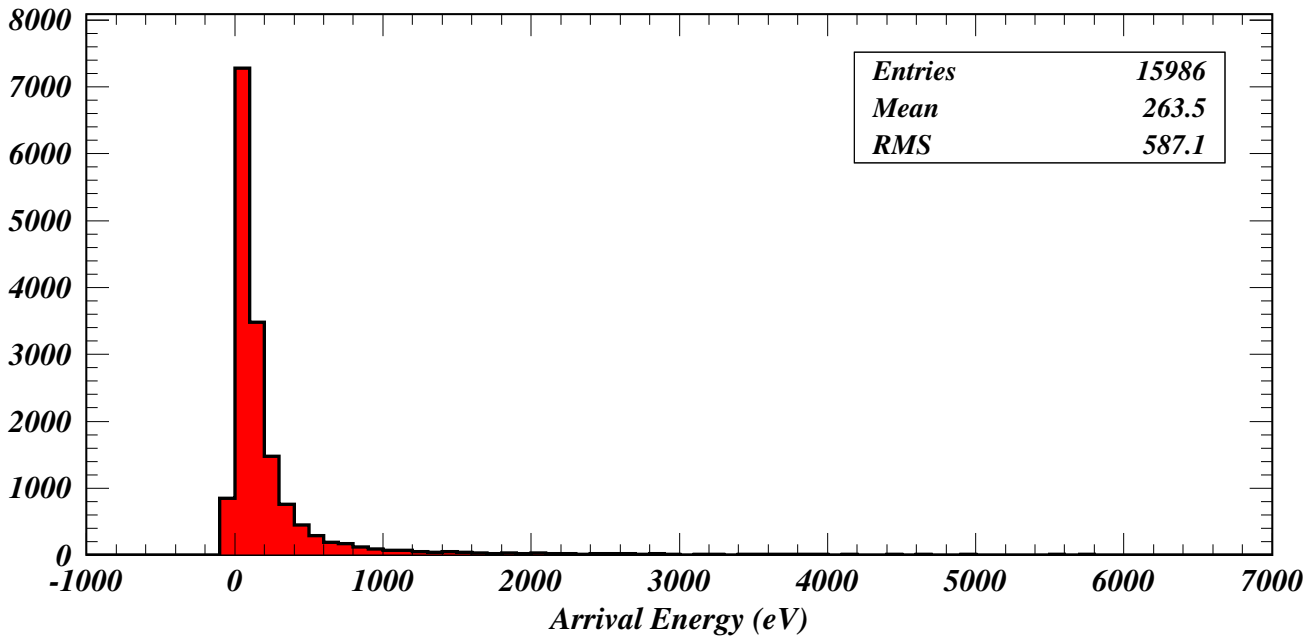
10/09/17 14.56

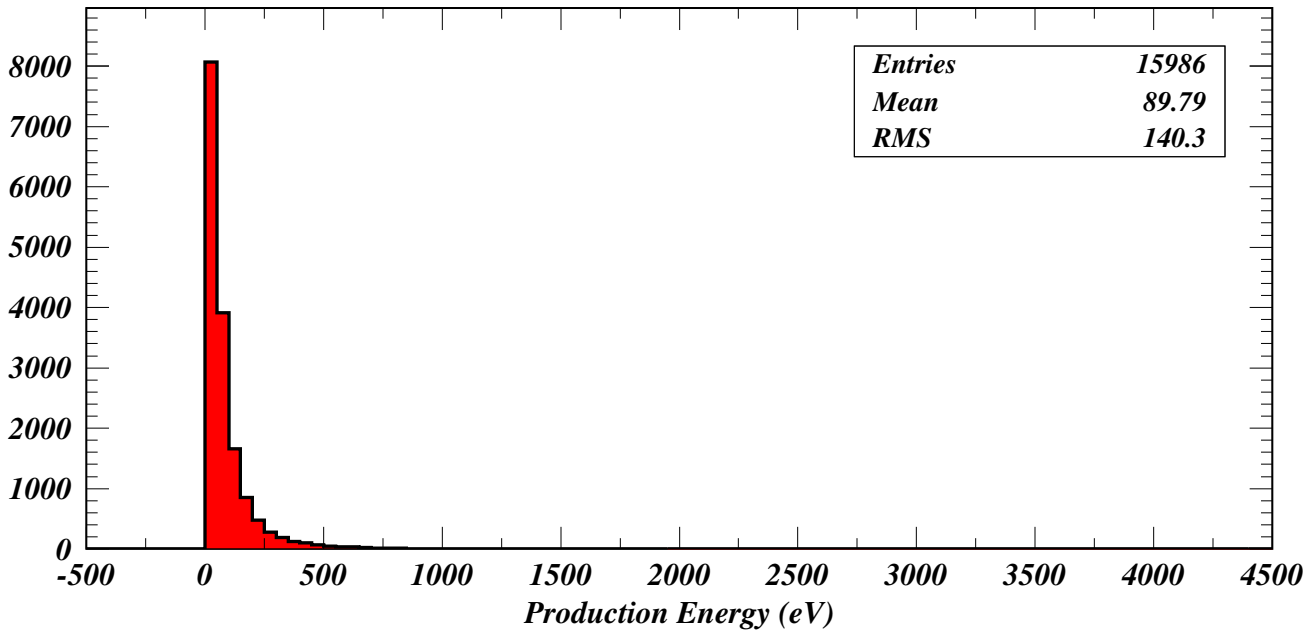
Job 16909: Button Signal Energies For 0 < T < 28 ns



10/09/17 14.56

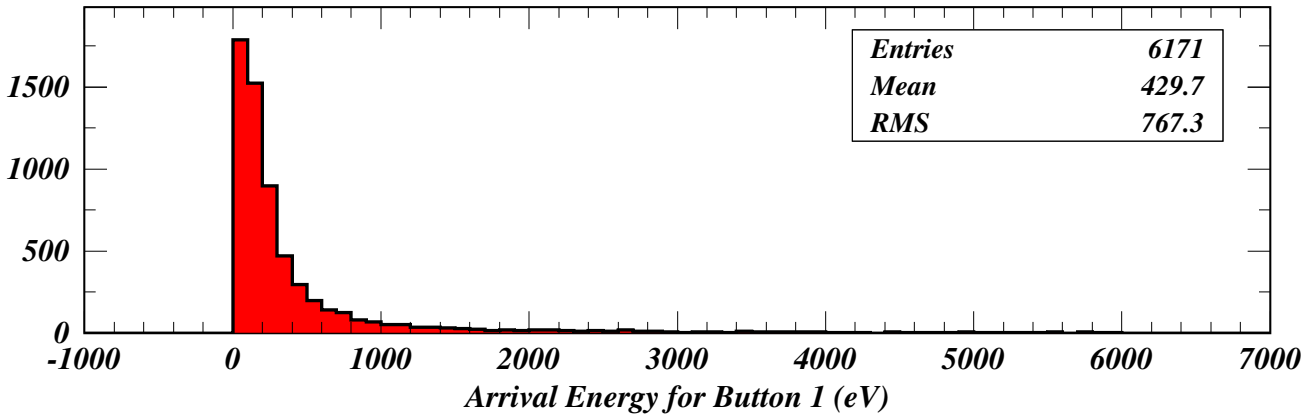
Job 16909: Button Signal Energies For 0 < T < 28 ns: Primaries Only

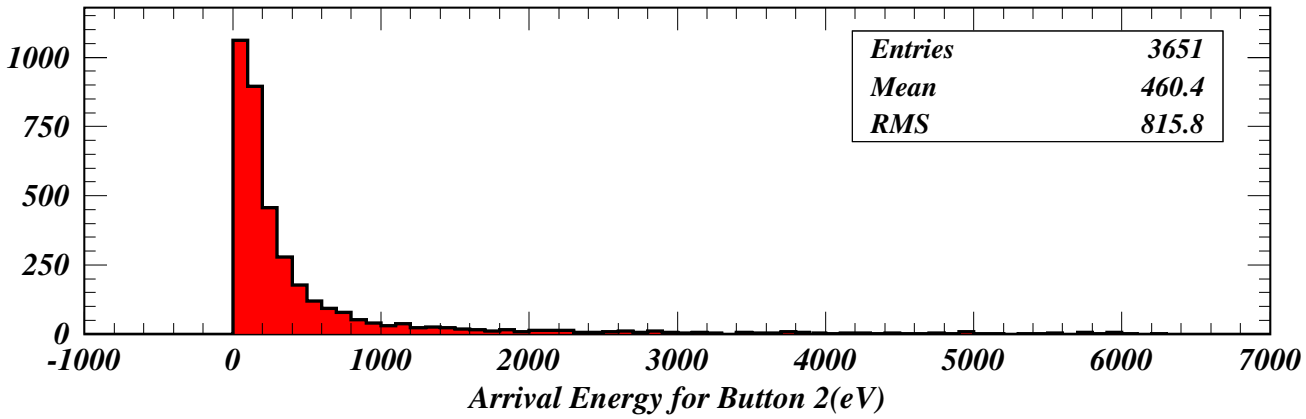


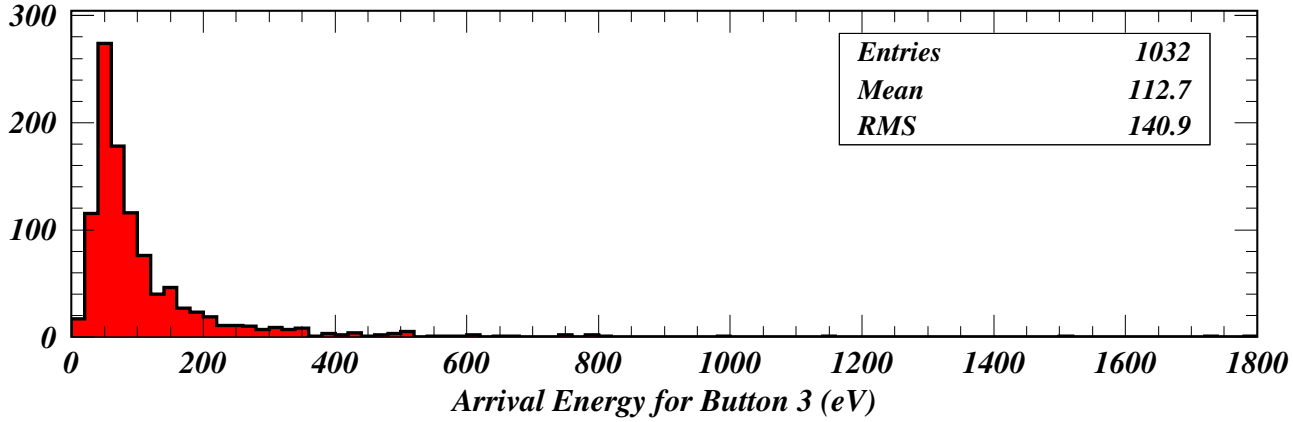


10/09/17 14.56

Job 16909: Button Signal Energies For 0 < T < 28 ns: Primaries Only

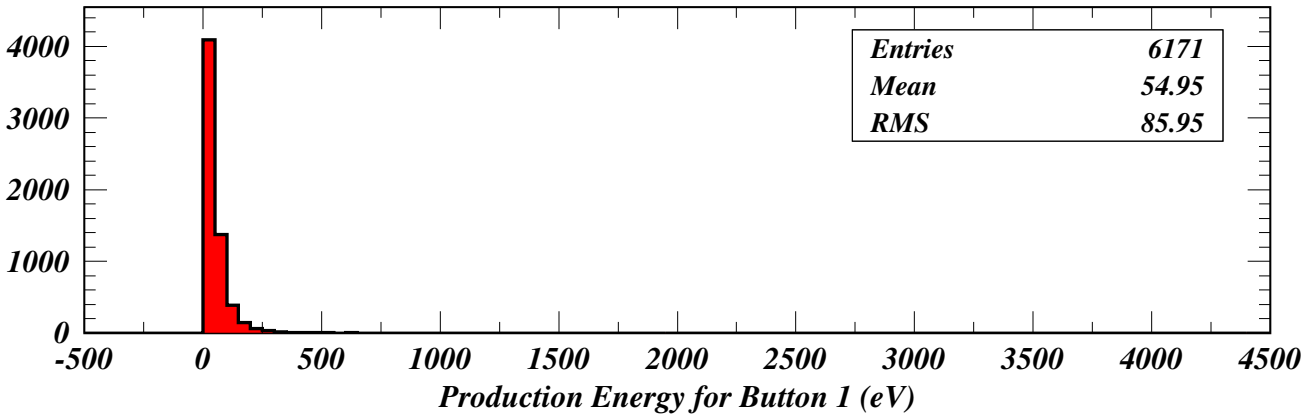


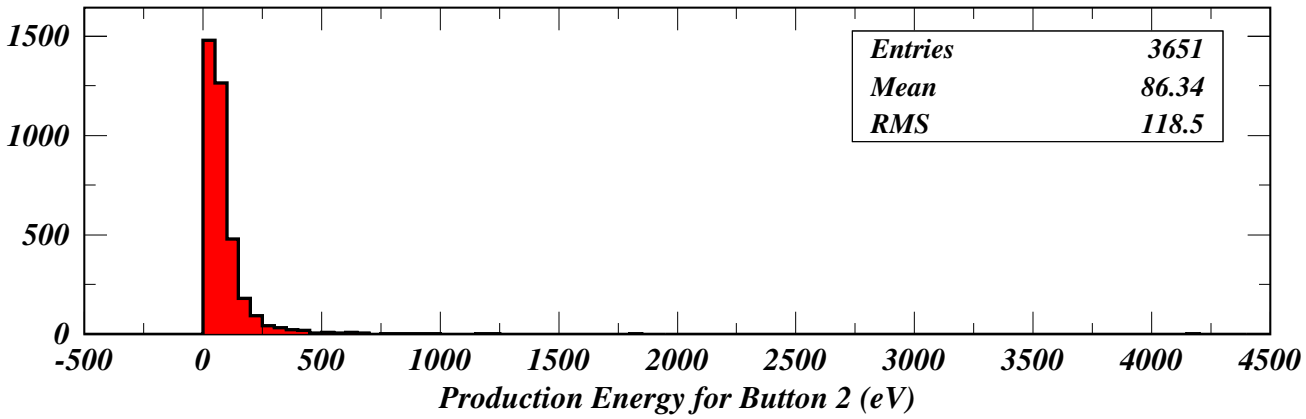


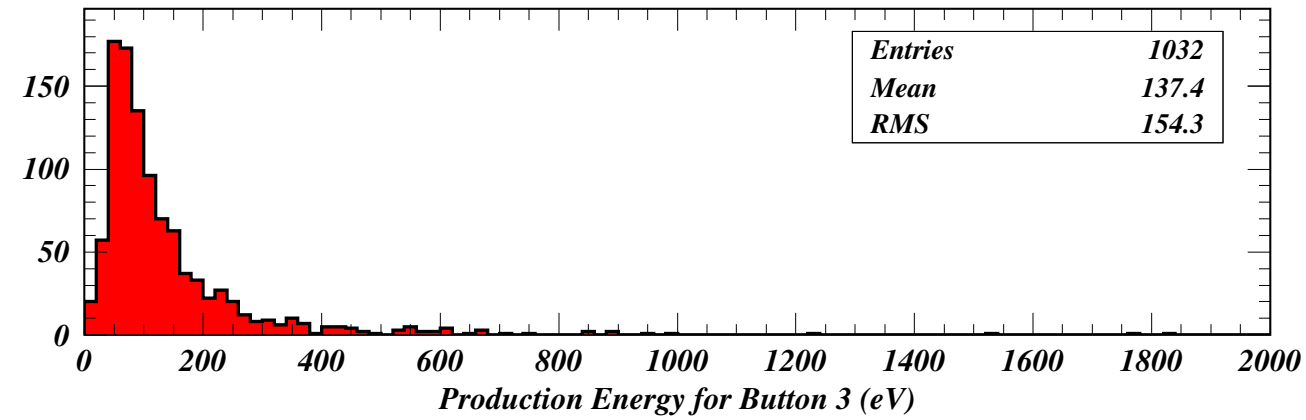


10/09/17 14.56

Job 16909: Button Signal Energies For 0 < T < 28 ns: Primaries Only

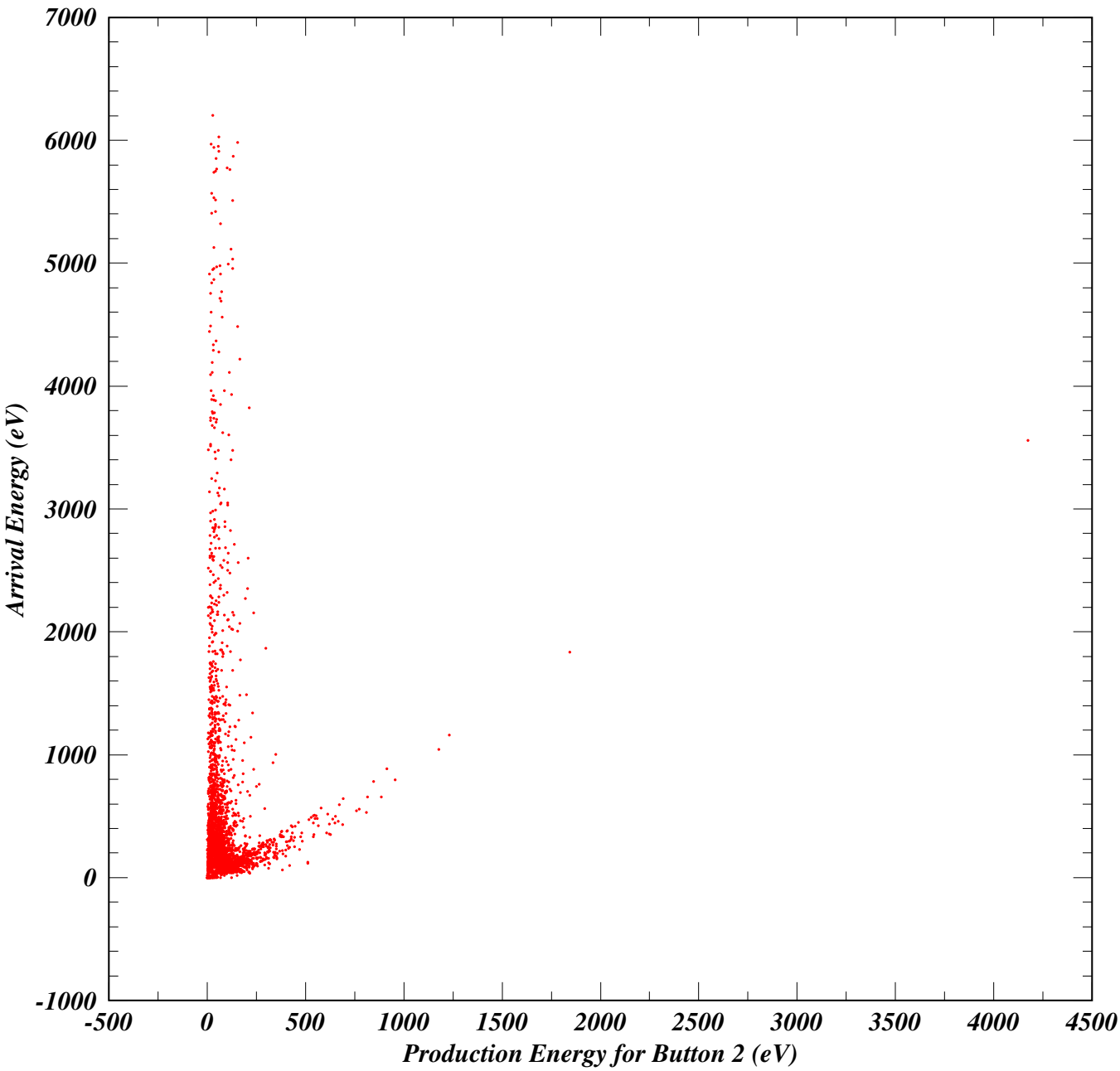






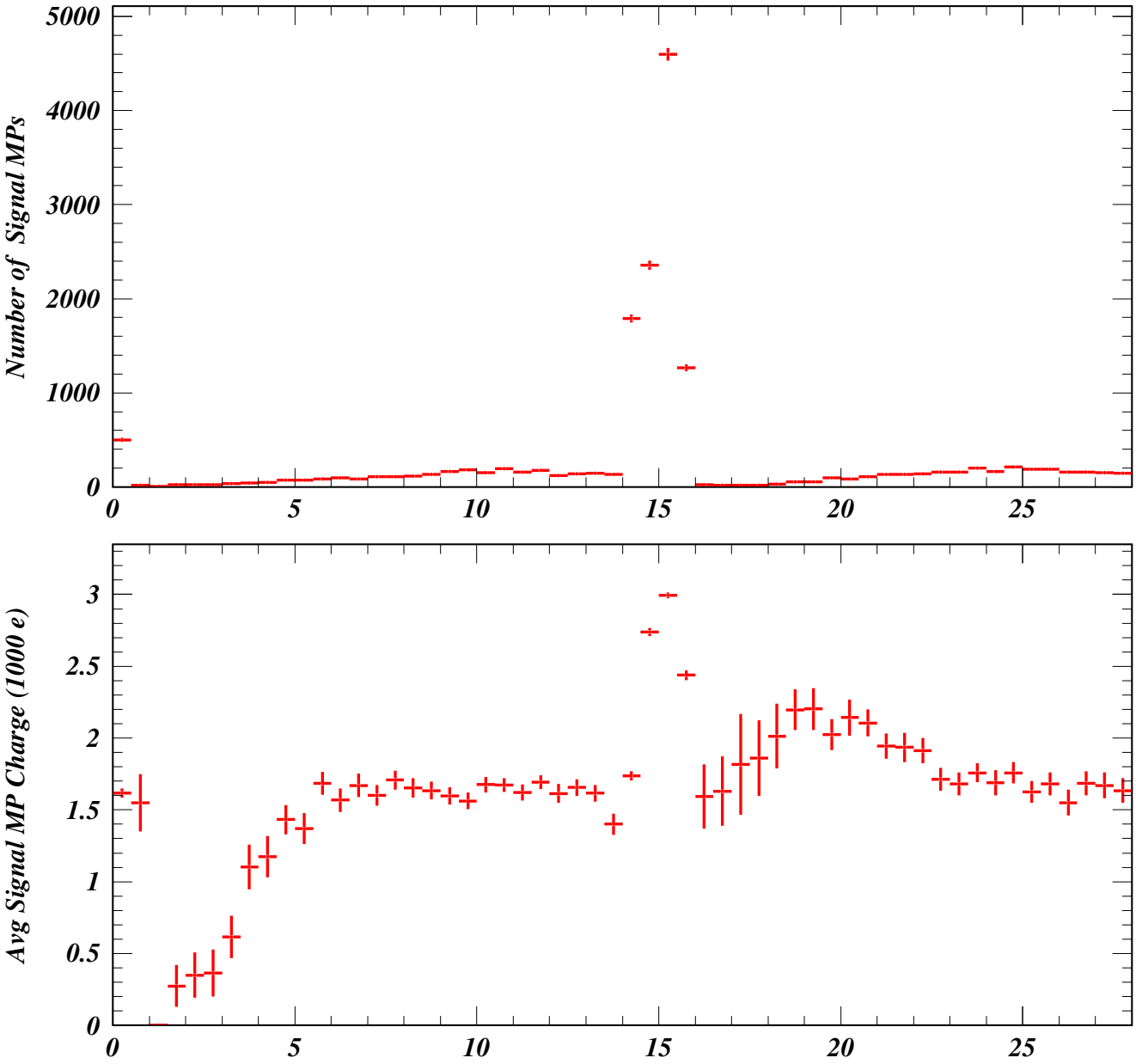
10/09/17 14.56

Job 16909: Button Signal Energies For 0 < T < 28 ns: Primaries Only



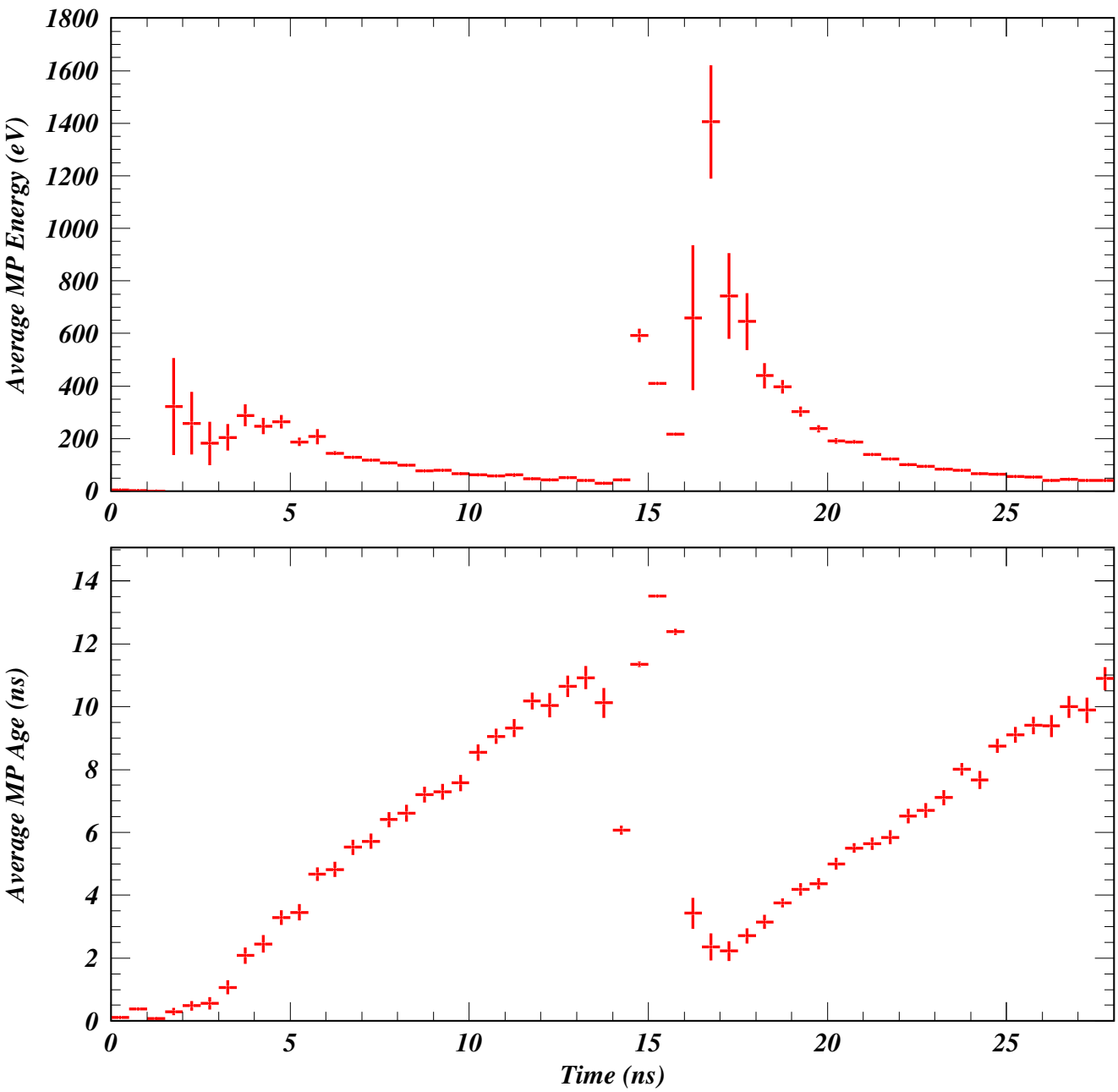
10/09/17 14.56

Job 16909: Button Signal Macroparticles For 0 < T < 28 ns



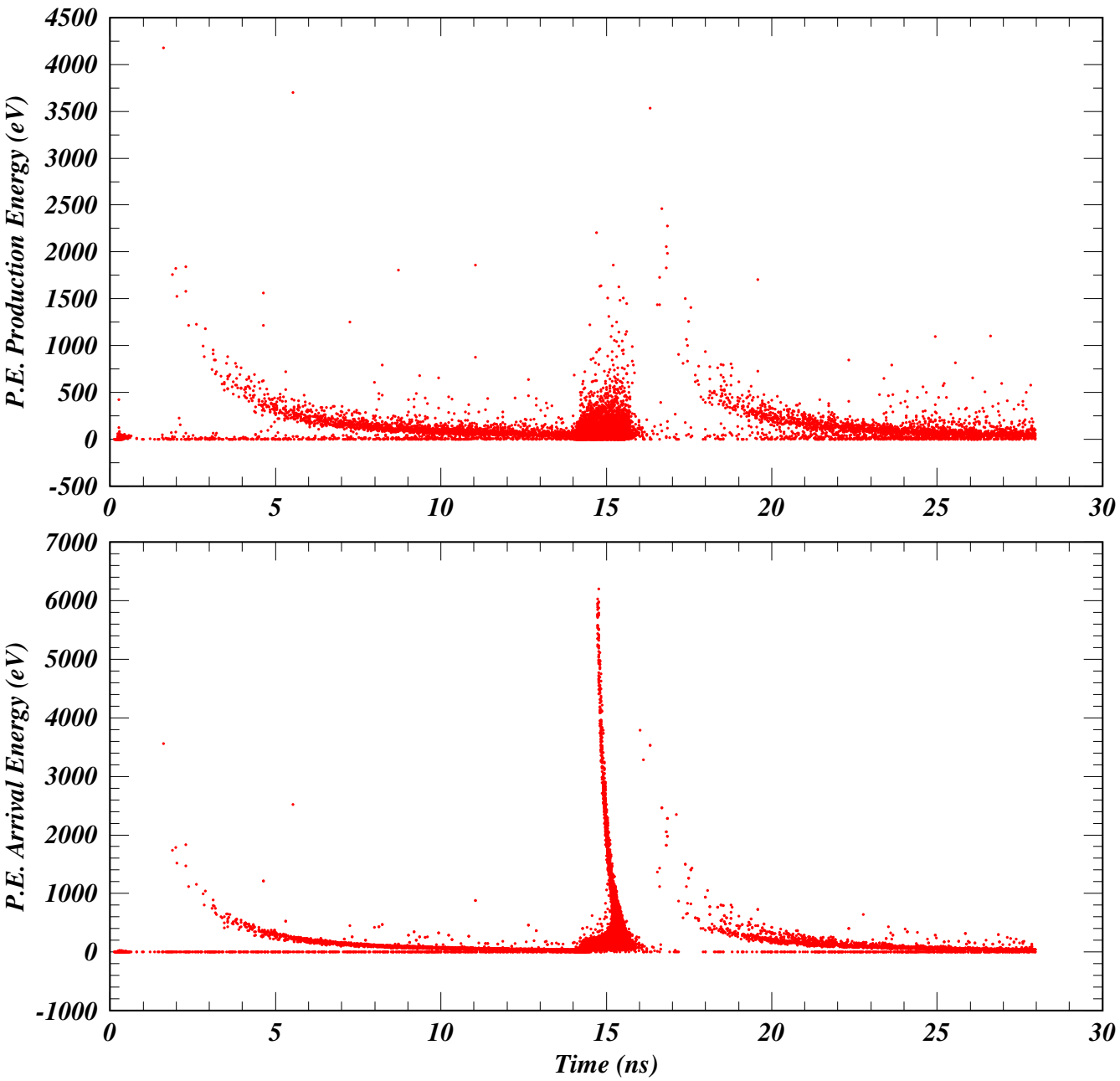
10/09/17 14.56

Job 16909: Button Signal Macroparticles For 0 < T < 28 ns



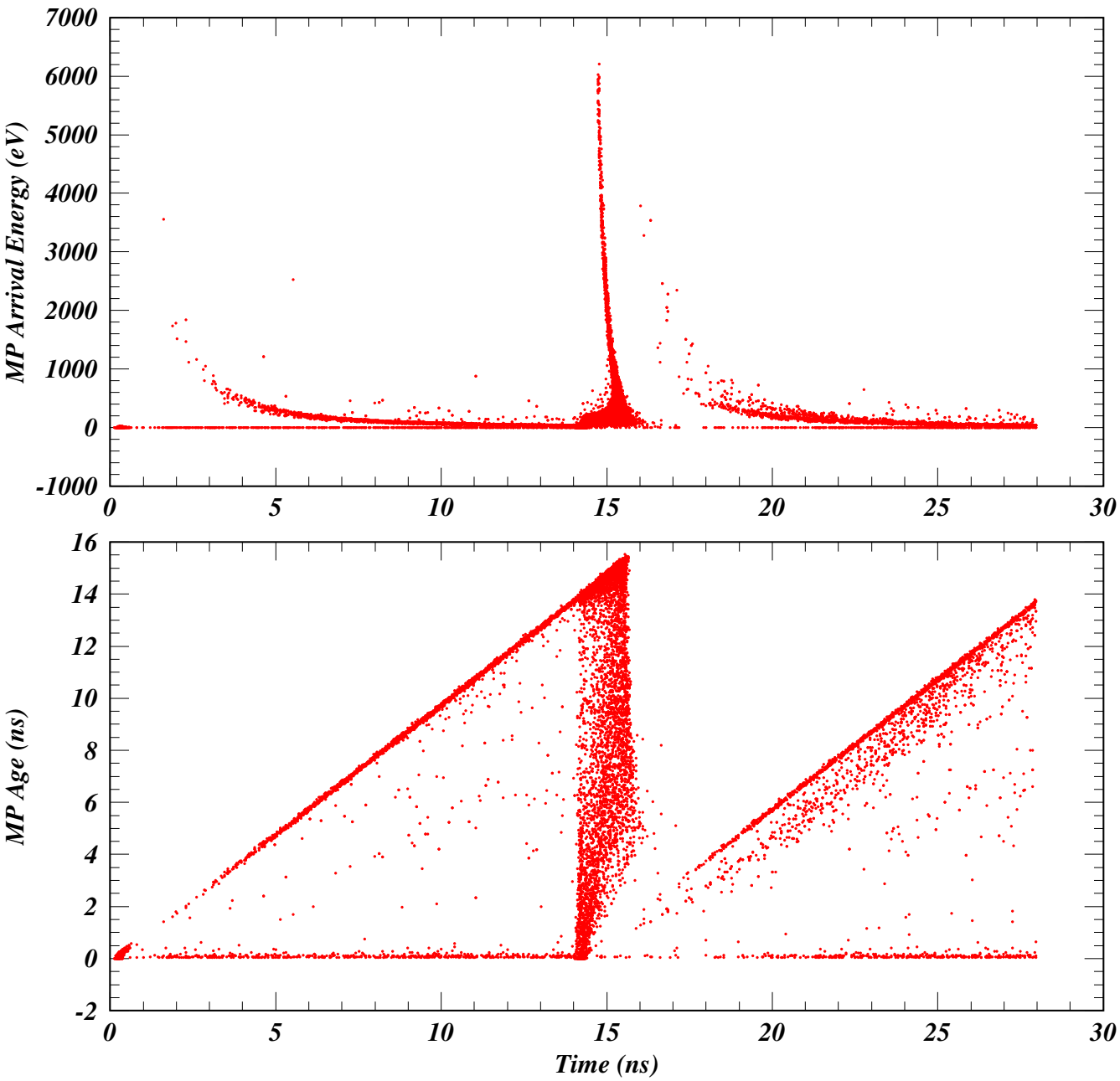
10/09/17 14.56

Job 16909: Button Signal Macroparticles For 0 < T < 28 ns



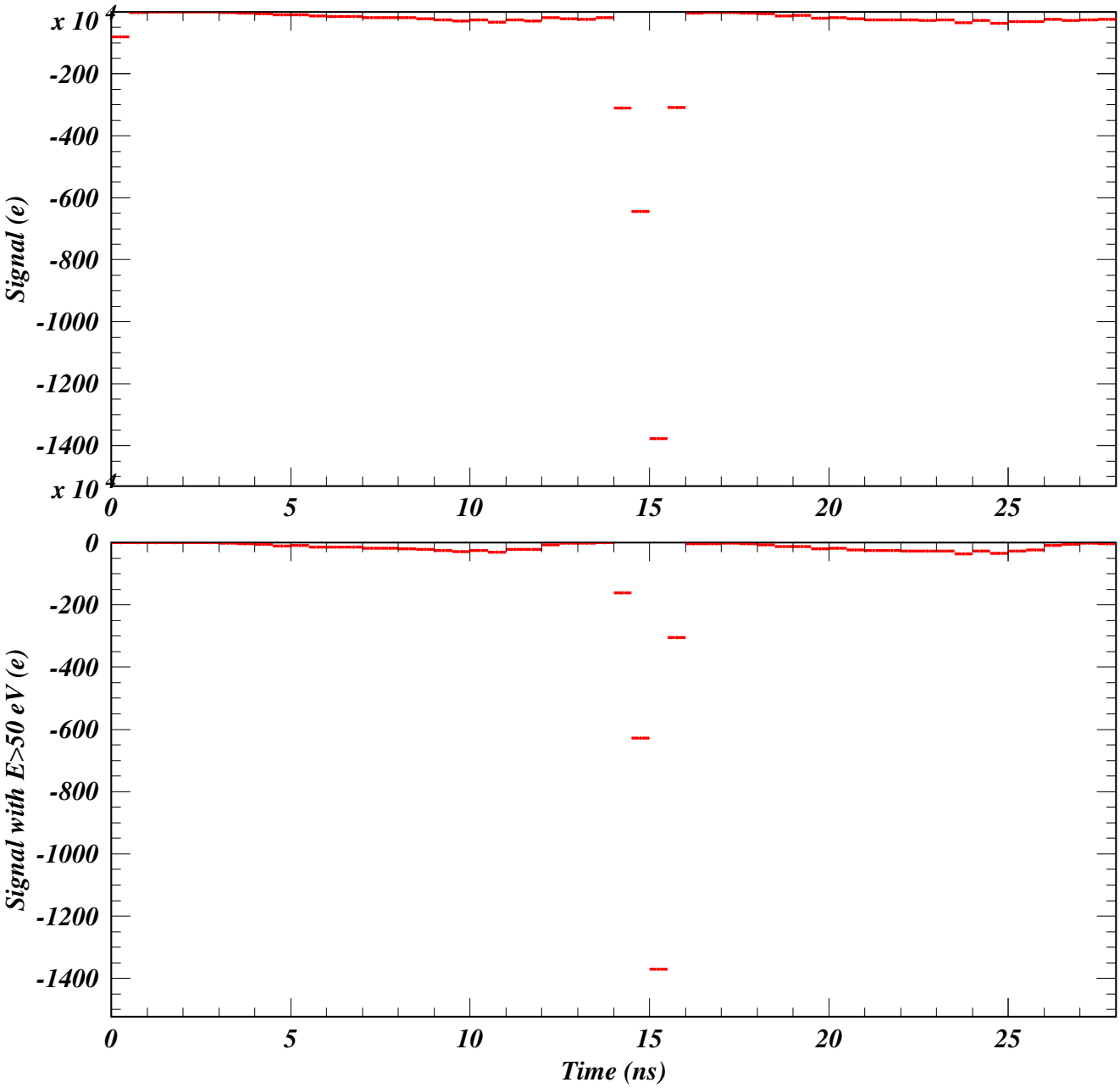
10/09/17 14.56

Job 16909: Button Signal Macroparticles For 0 < T < 28 ns



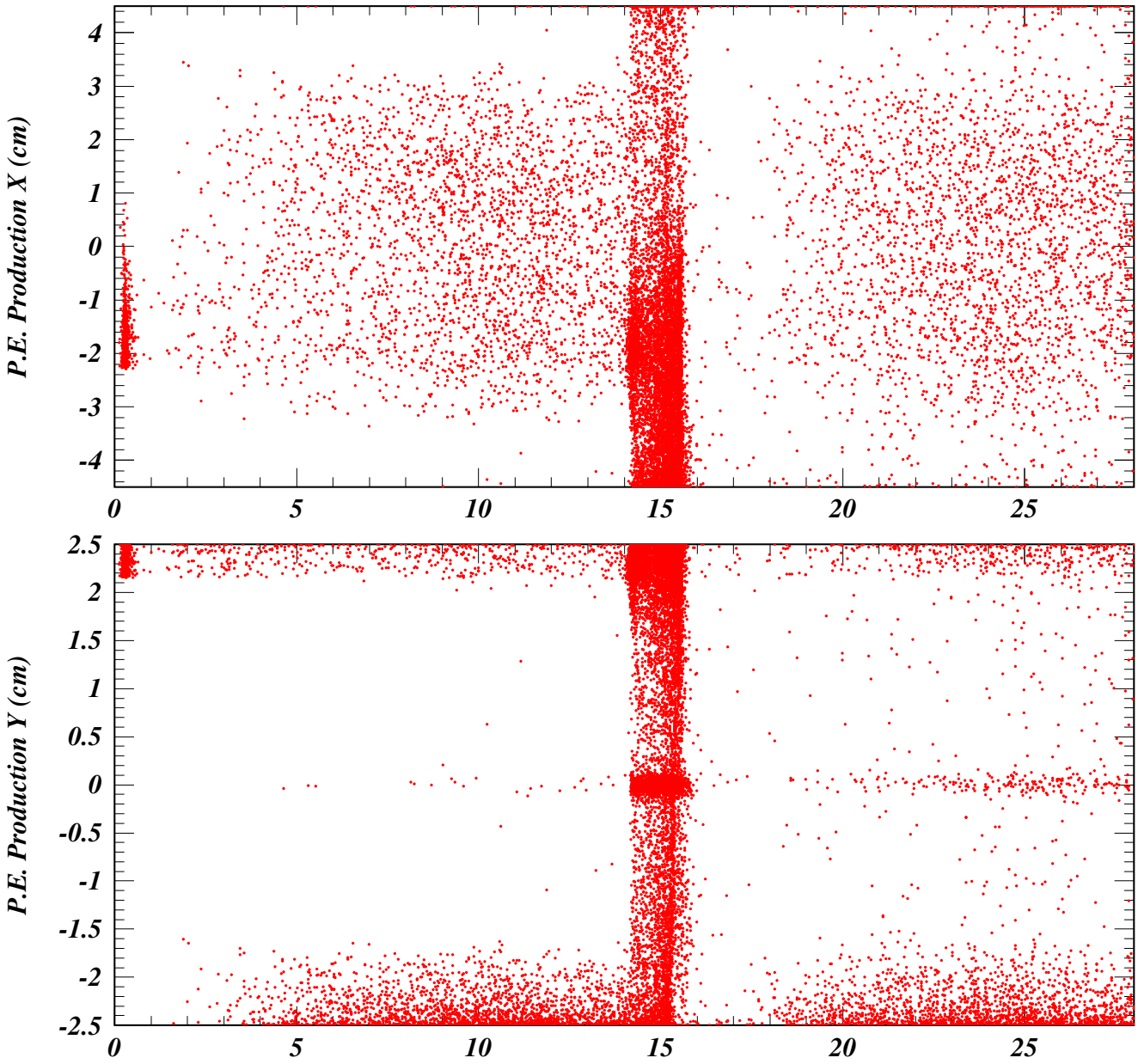
10/09/17 14.56

Job 16909: Button Signal Macroparticles For 0 < T < 28 ns



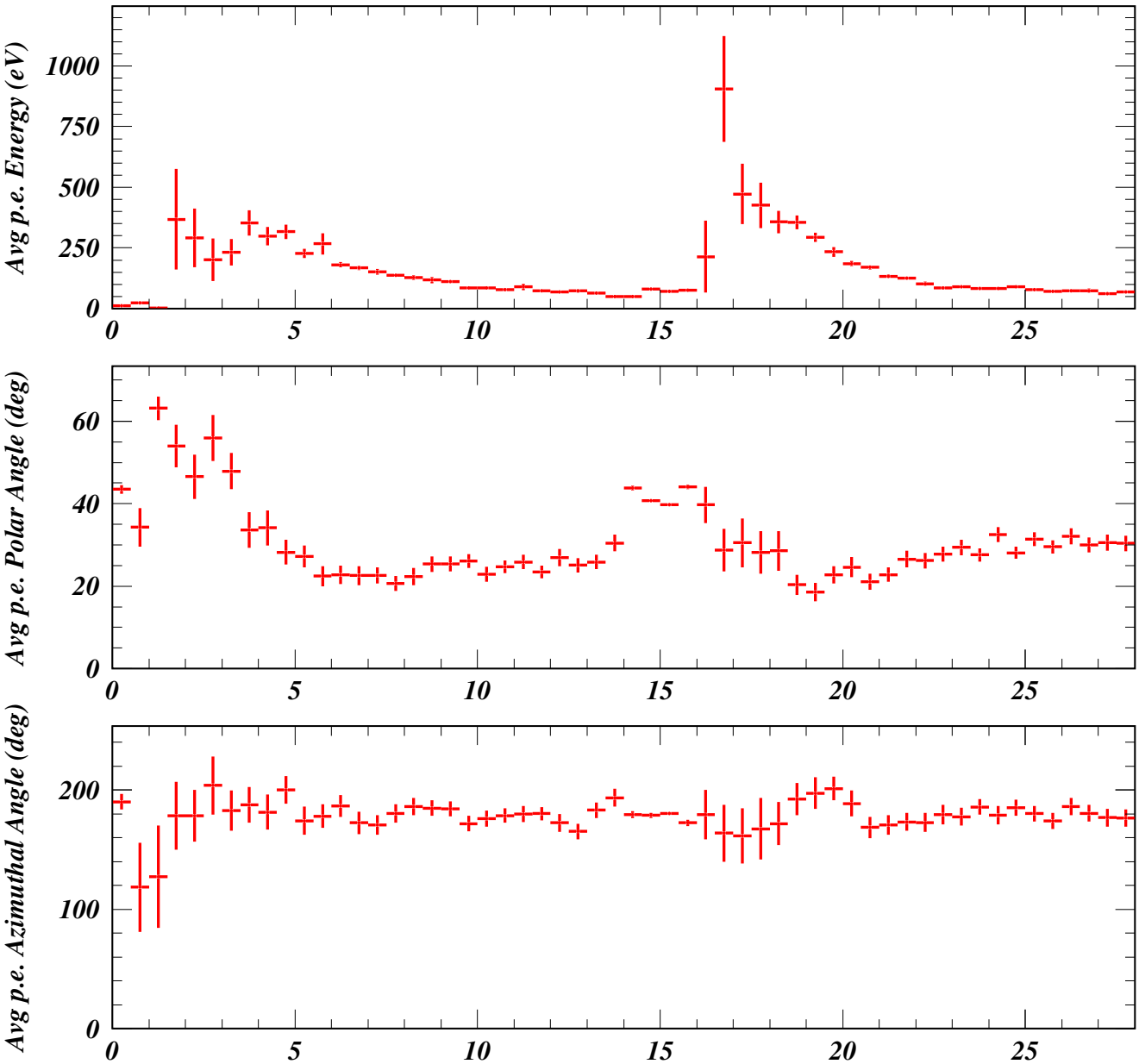
10/09/17 14.56

Job 16909: Button Signal Macroparticles For 0 < T < 28 ns



10/09/17 14.56

Job 16909: Button Signal Macroparticles For 0 < T < 28 ns



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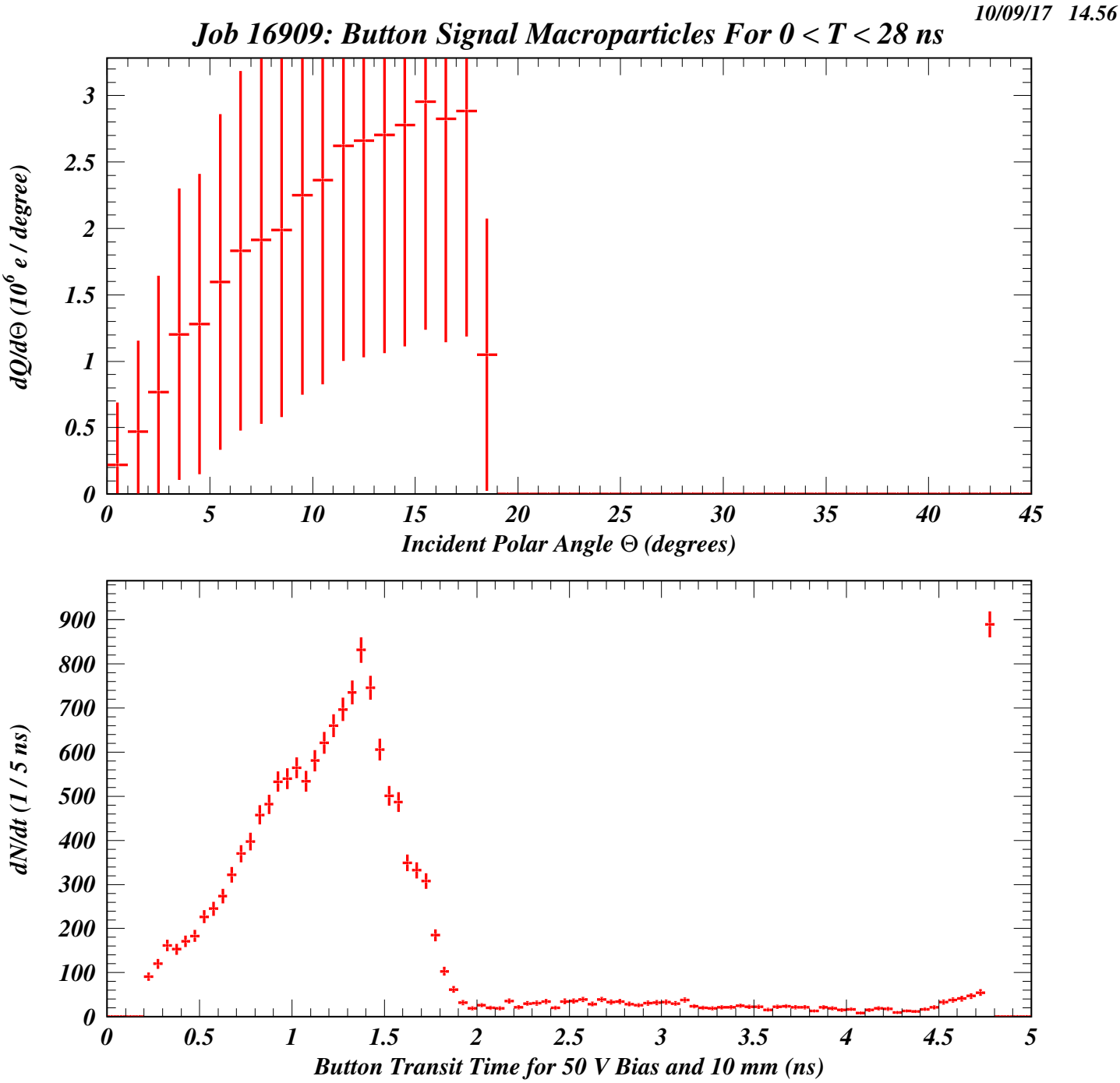
Job 16909: Button Signal Macroparticles For 0 < T < 28 ns
dQ/dΘ (10^6 e / degree)
0
0.5
1
1.5
2
2.5
3
0
5
10
15
20
25
30
35
40
45
Incident Polar Angle Θ (degrees)
dN/dt (1 / 5 ns)
0
100
200
300
400
500
600
700
800
900
0
0.5
1
1.5
2
2.5
3
3.5
4
4.5
5
Button Transit Time for 50 V Bias and 10 mm (ns)