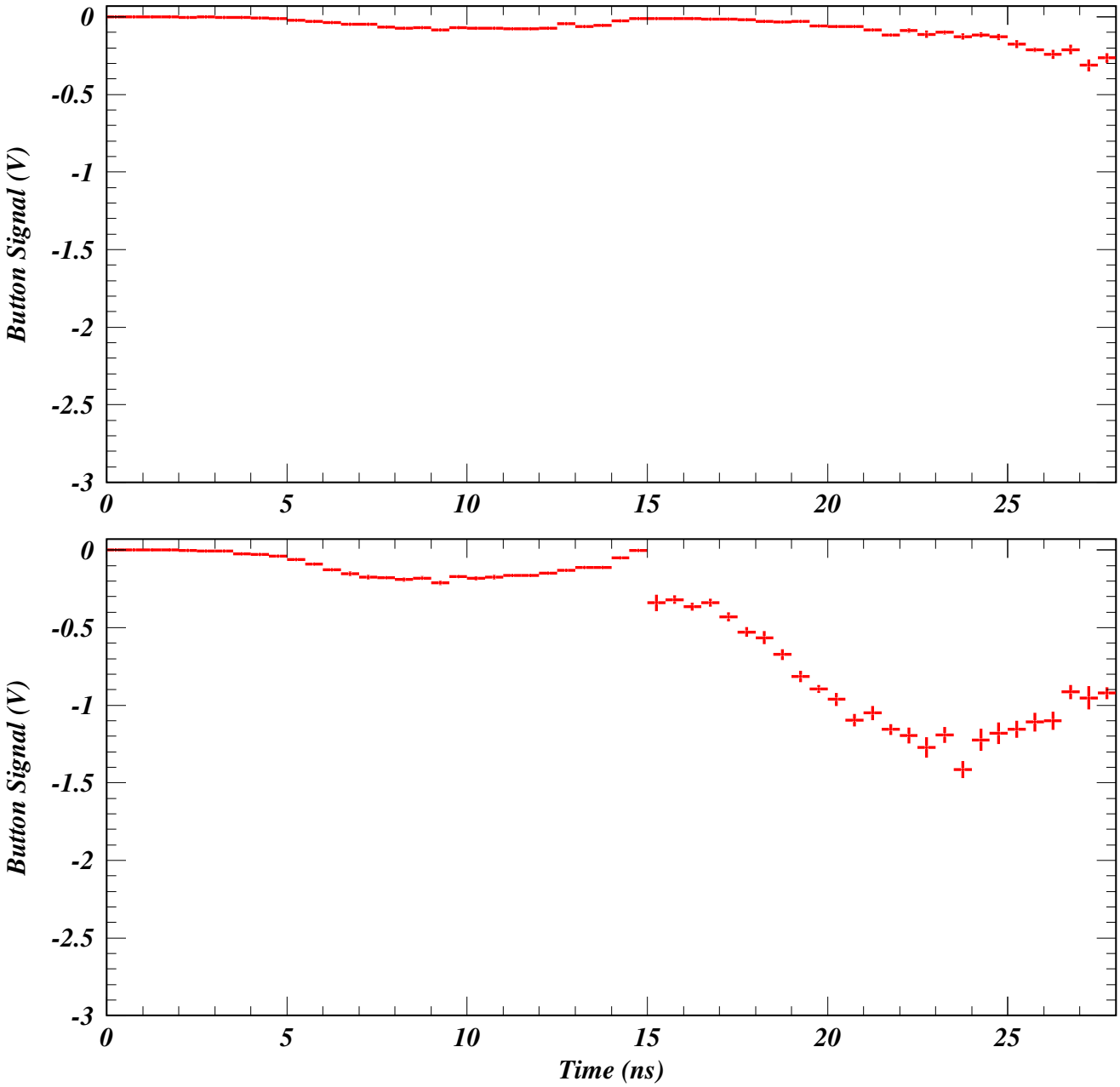
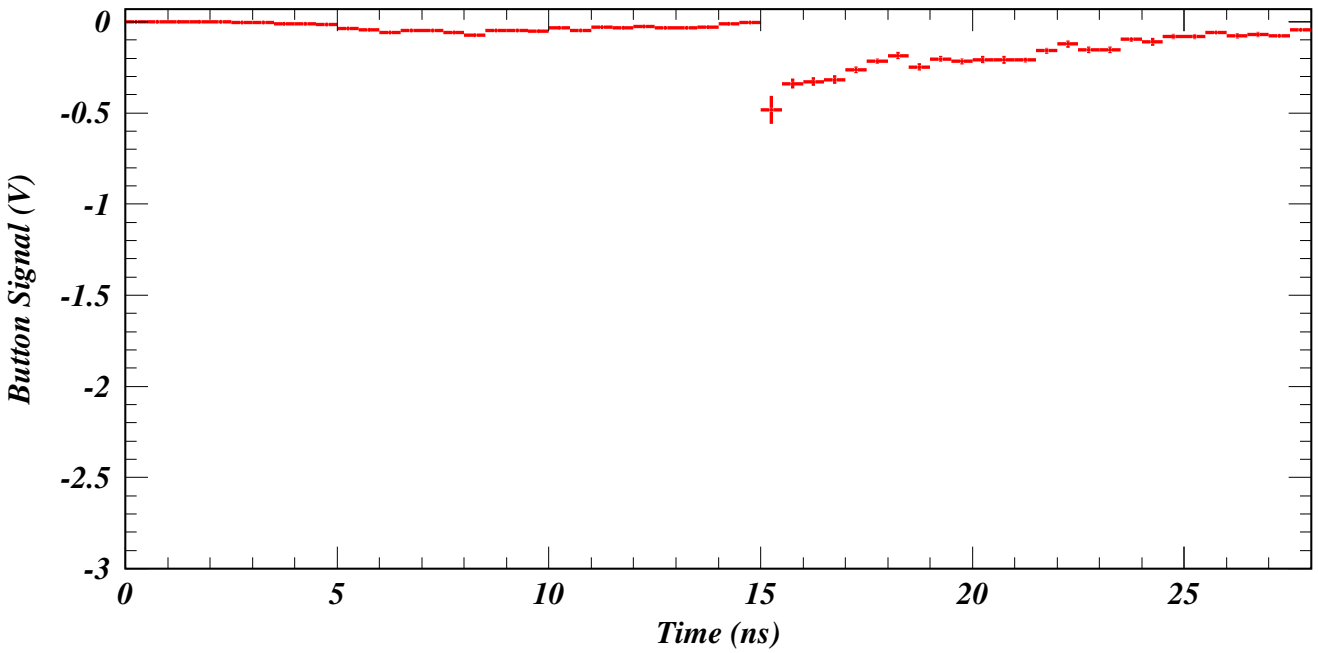
10/09/17 14.55

Job 16903: Shielded Button Simulation

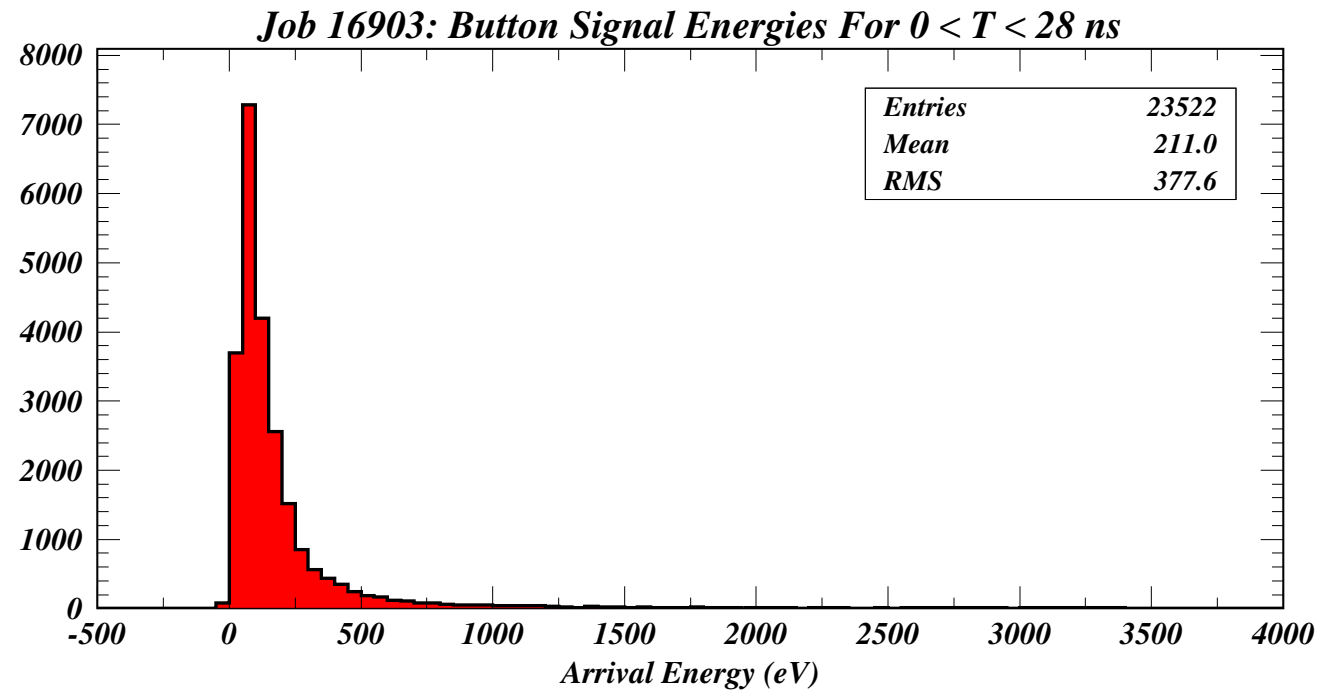


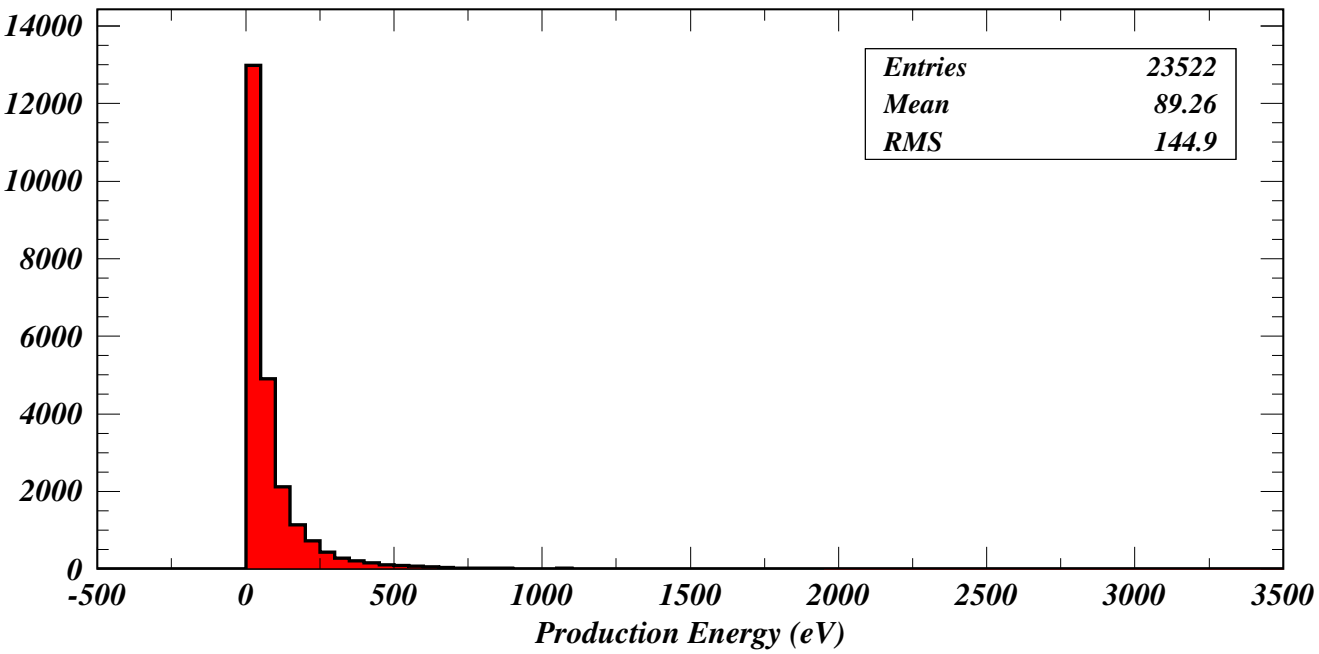
10/09/17 14.55

Job 16903: Shielded Button Simulation



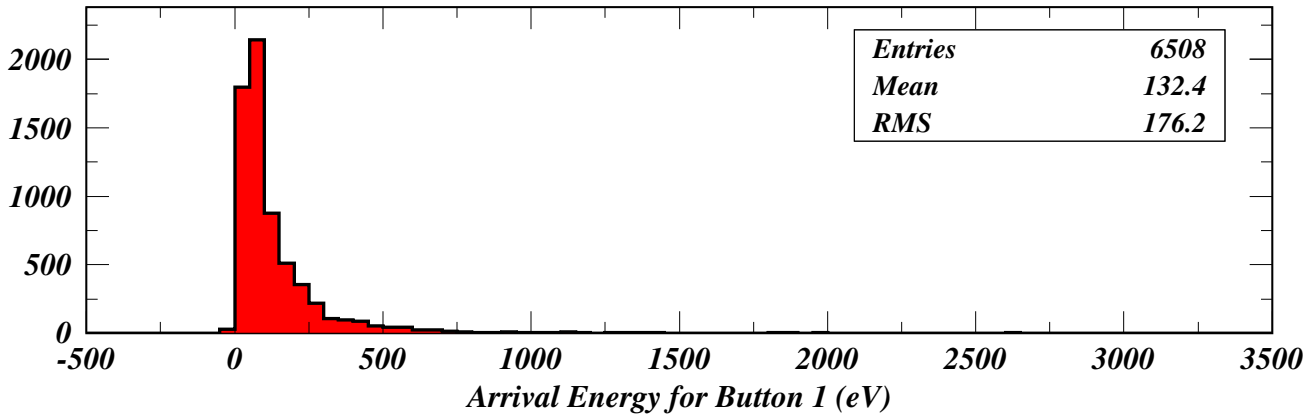
10/09/17 14.55

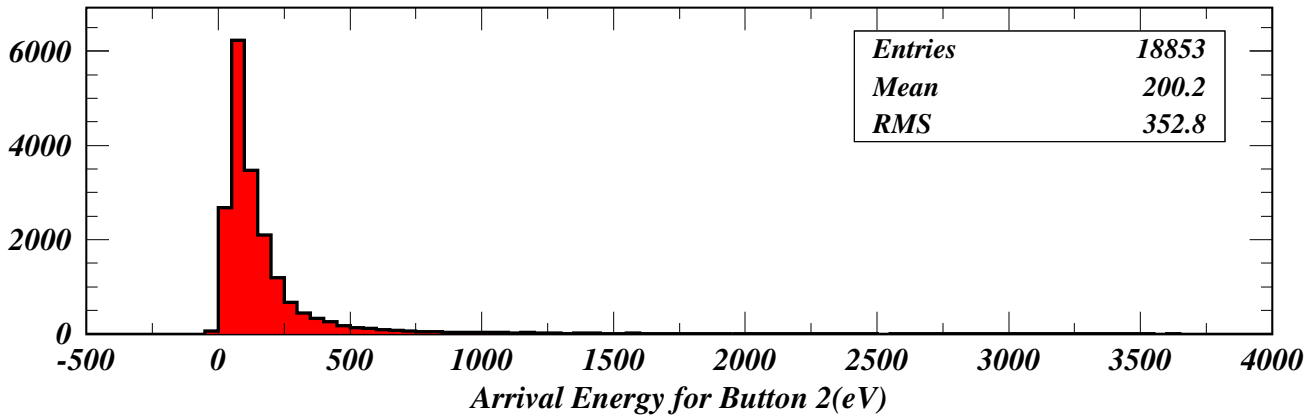

Job 16903: Button Signal Energies For 0 < T < 28 ns
Entries 23522
Mean 211.0
RMS 377.6
8000
7000
6000
5000
4000
3000
2000
1000
0
-500
0
500
1000
1500
2000
2500
3000
3500
4000
Arrival Energy (eV)

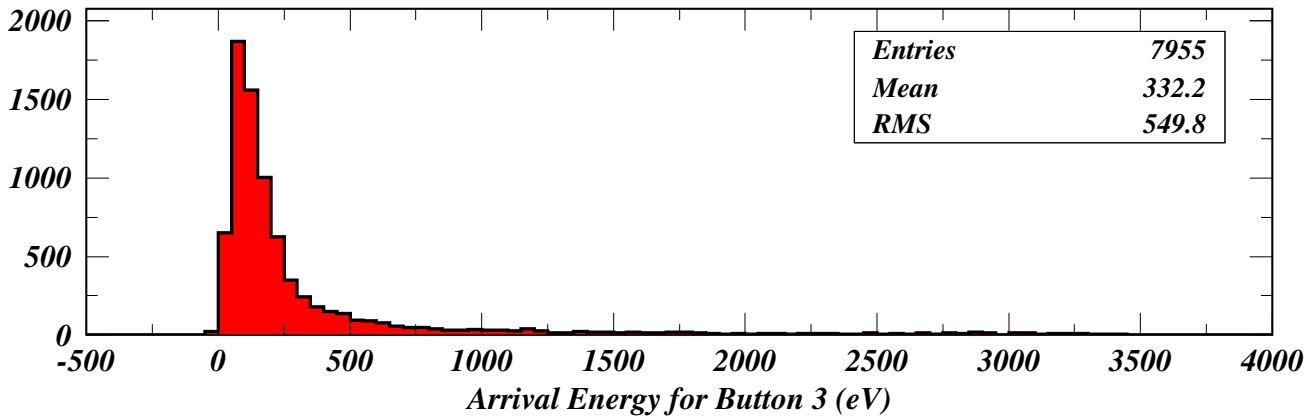

Entries 23522
Mean 89.26
RMS 144.9
14000
12000
10000
8000
6000
4000
2000
0
-500
0
500
1000
1500
2000
2500
3000
3500
Production Energy (eV)

10/09/17 14.55

Job 16903: Button Signal Energies For 0 < T < 28 ns

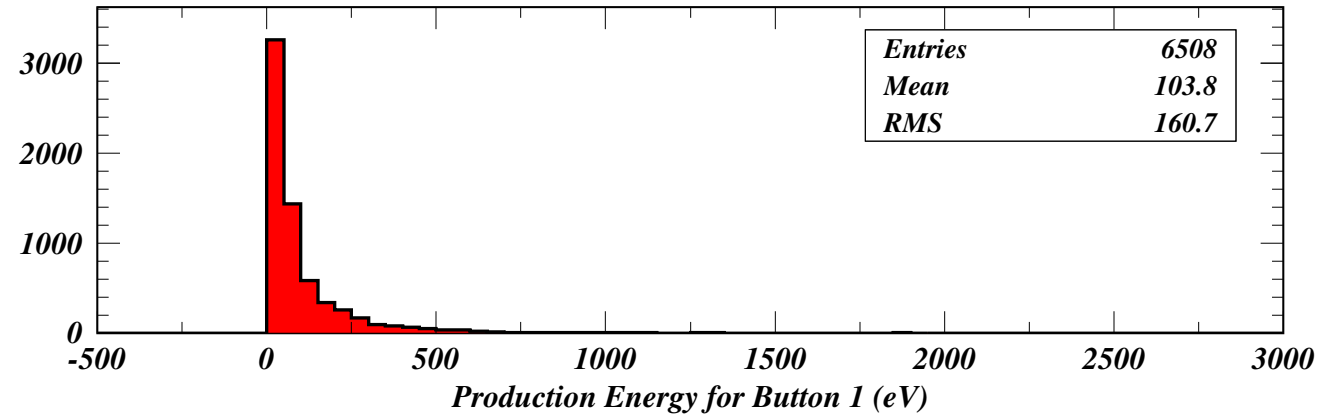


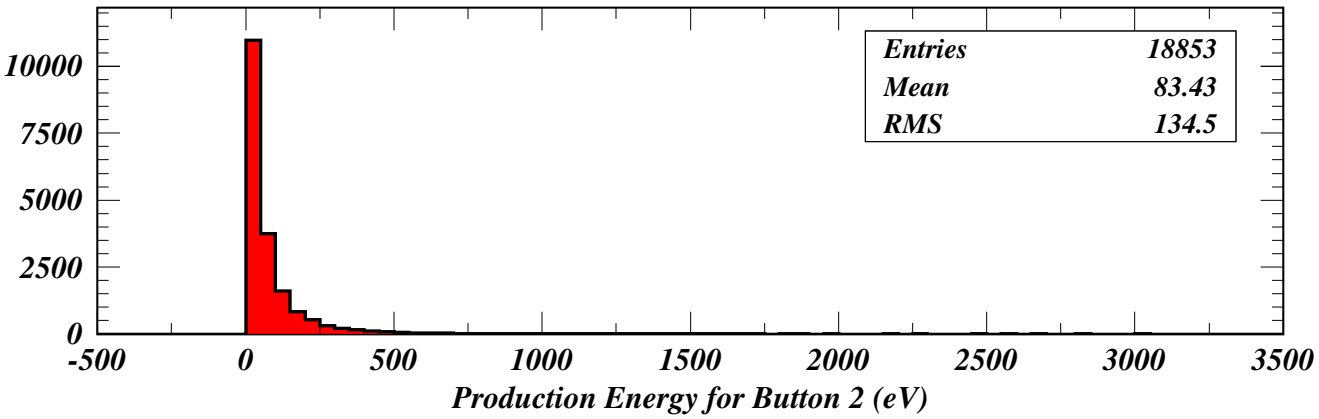


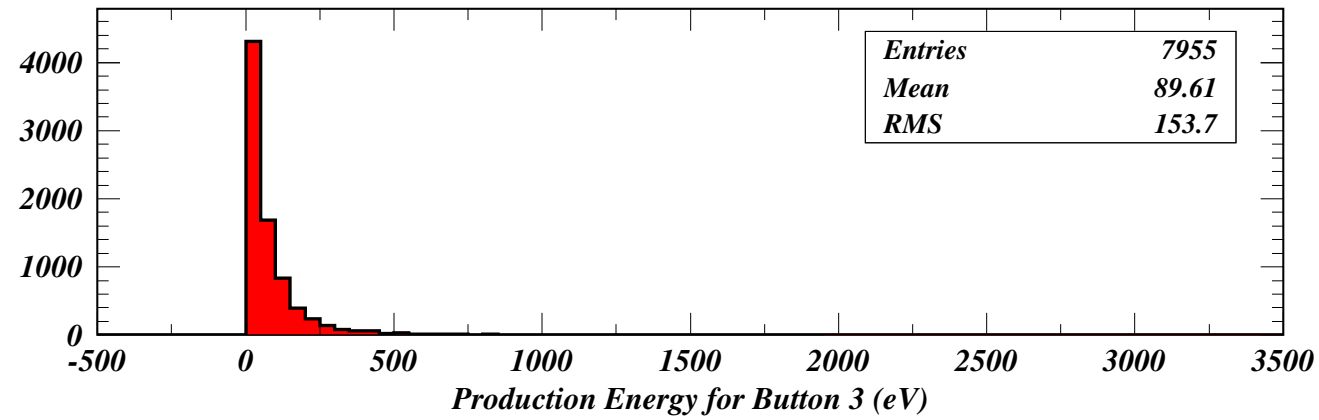


10/09/17 14.55

Job 16903: Button Signal Energies For 0 < T < 28 ns

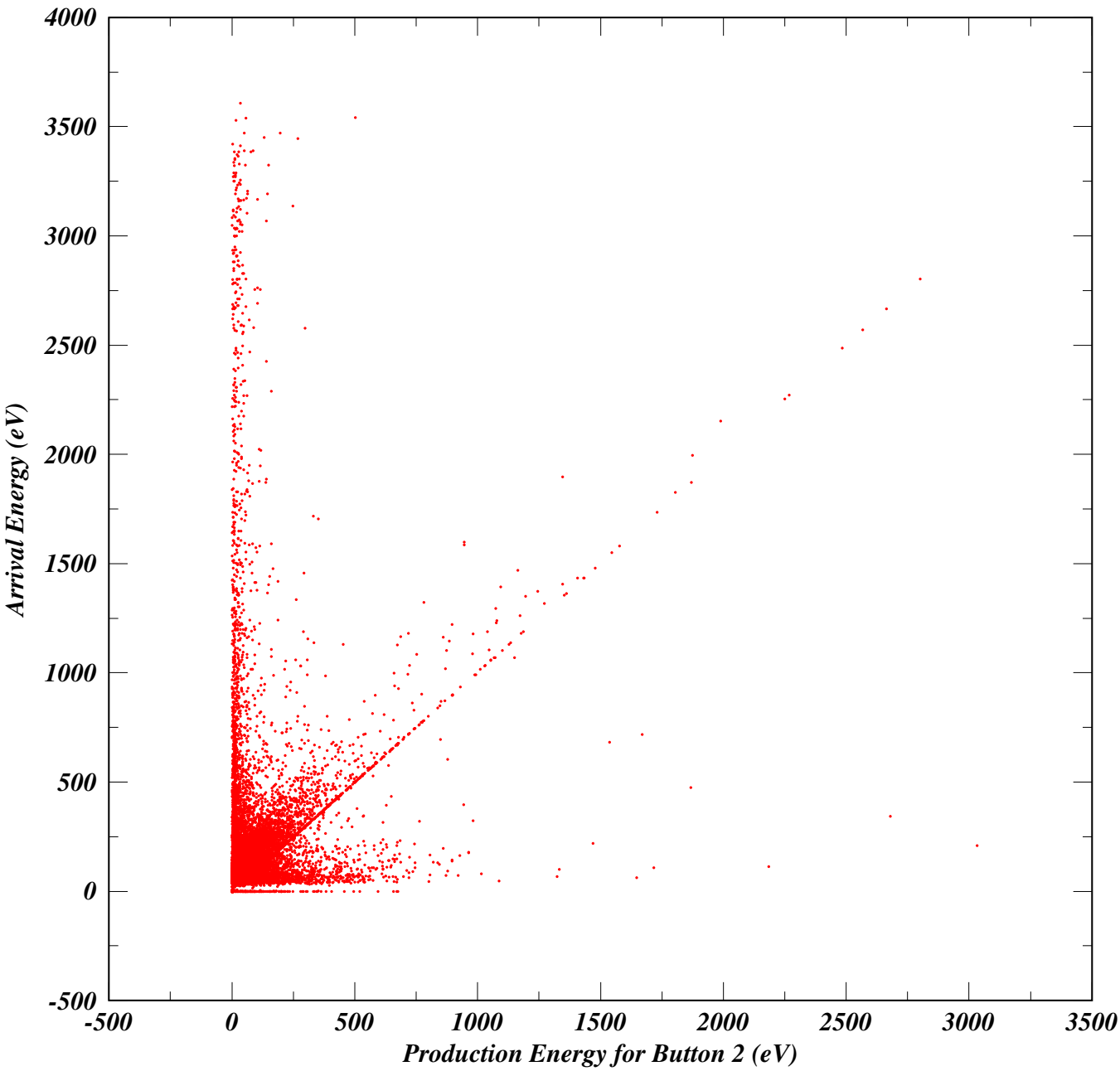






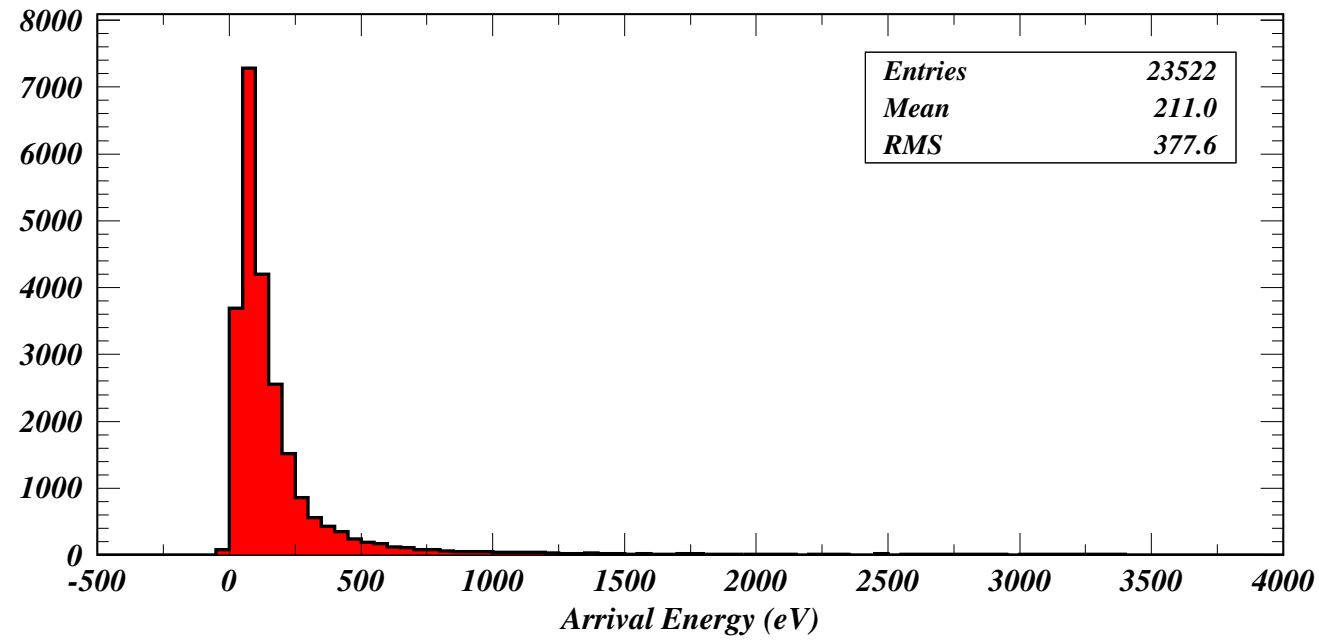
10/09/17 14.55

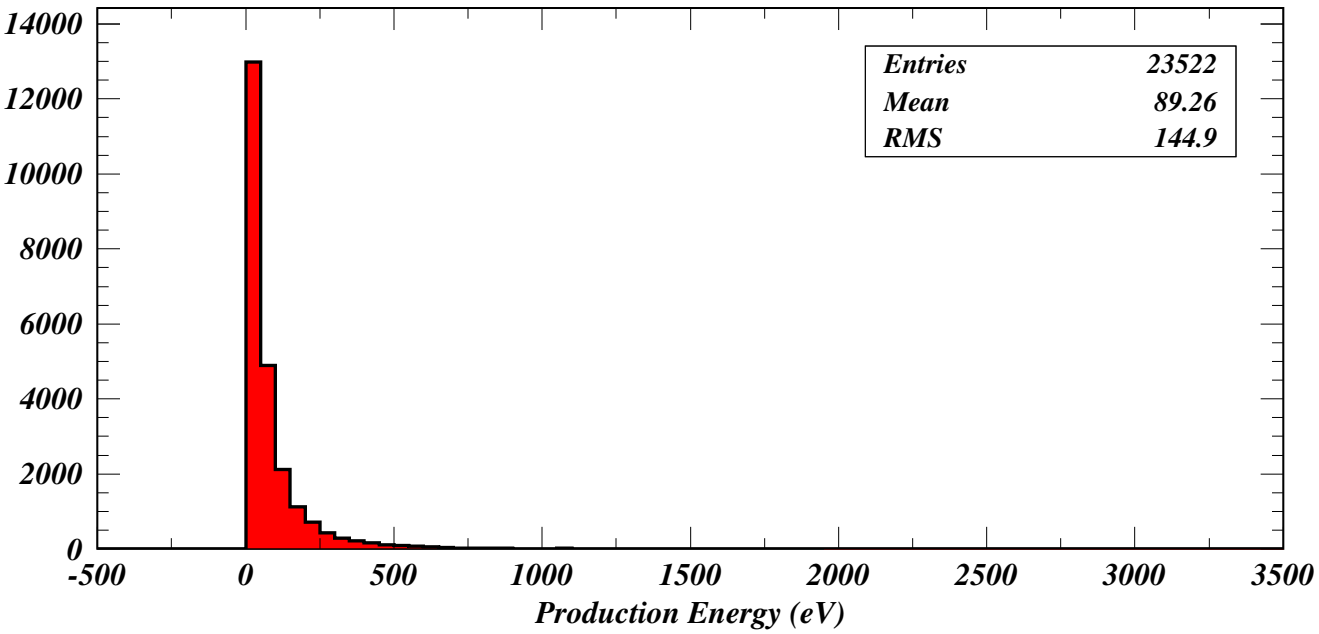
Job 16903: Button Signal Energies For 0 < T < 28 ns



10/09/17 14.55

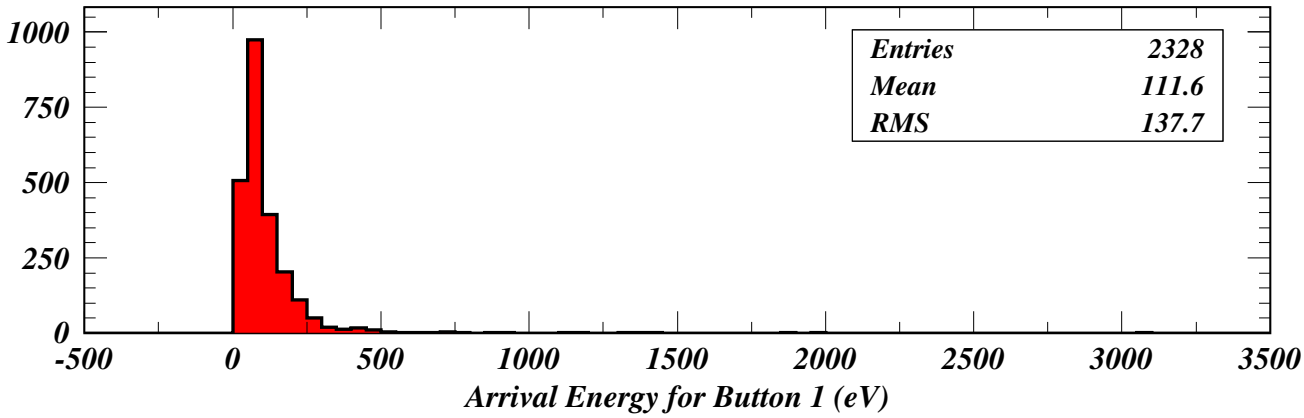
Job 16903: Button Signal Energies For 0 < T < 28 ns: Primaries Only

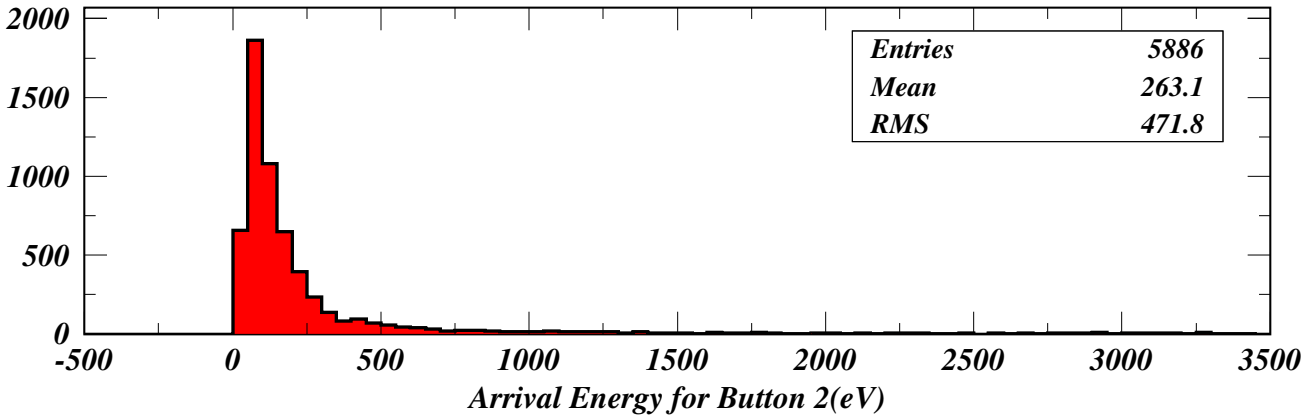


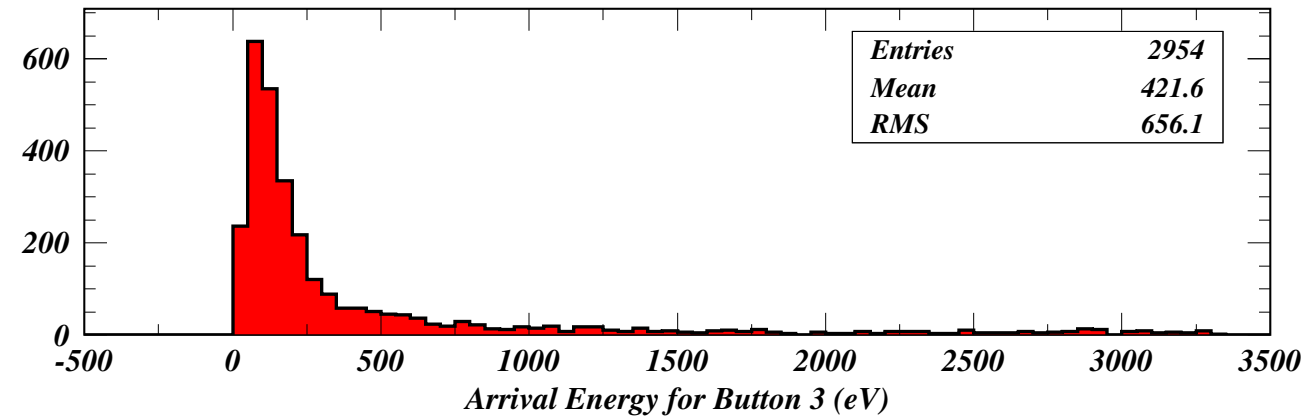


10/09/17 14.55

Job 16903: Button Signal Energies For 0 < T < 28 ns: Primaries Only

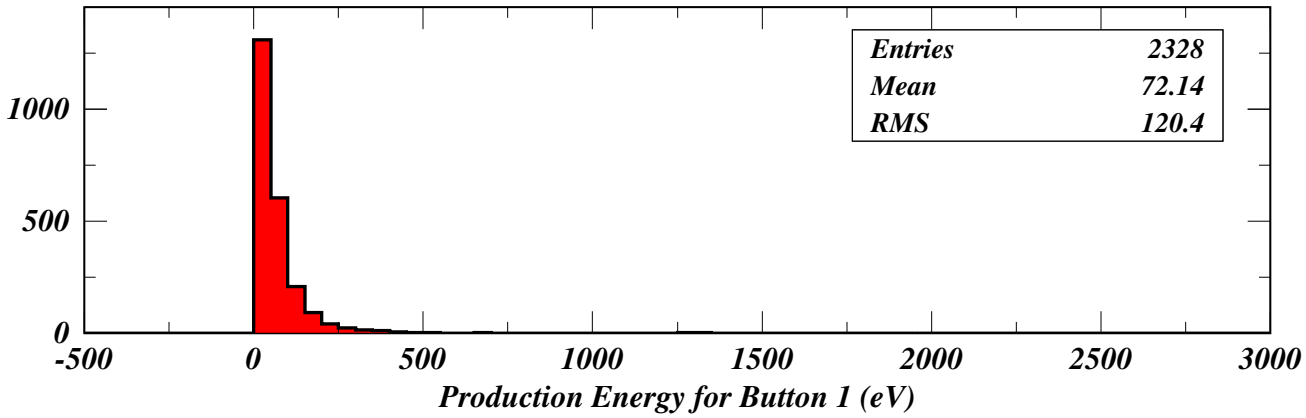


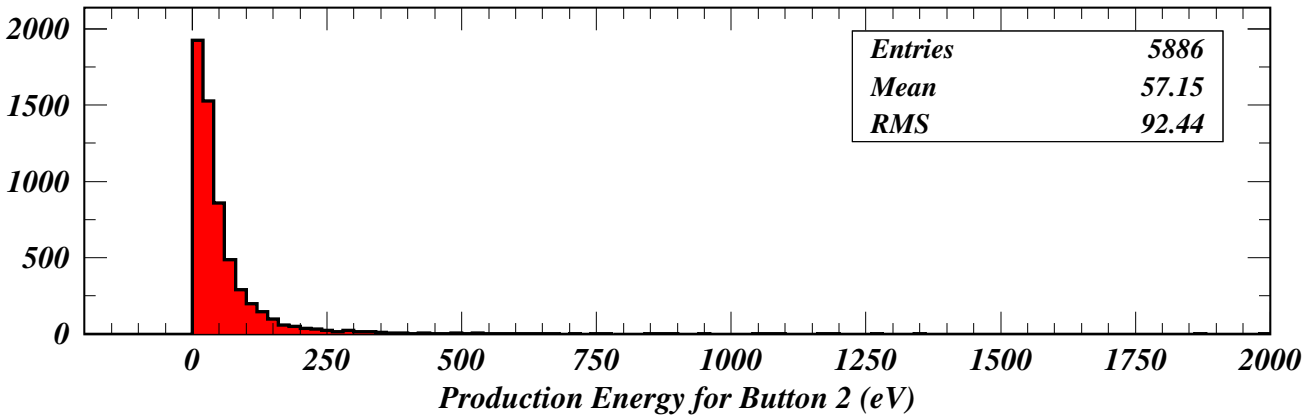


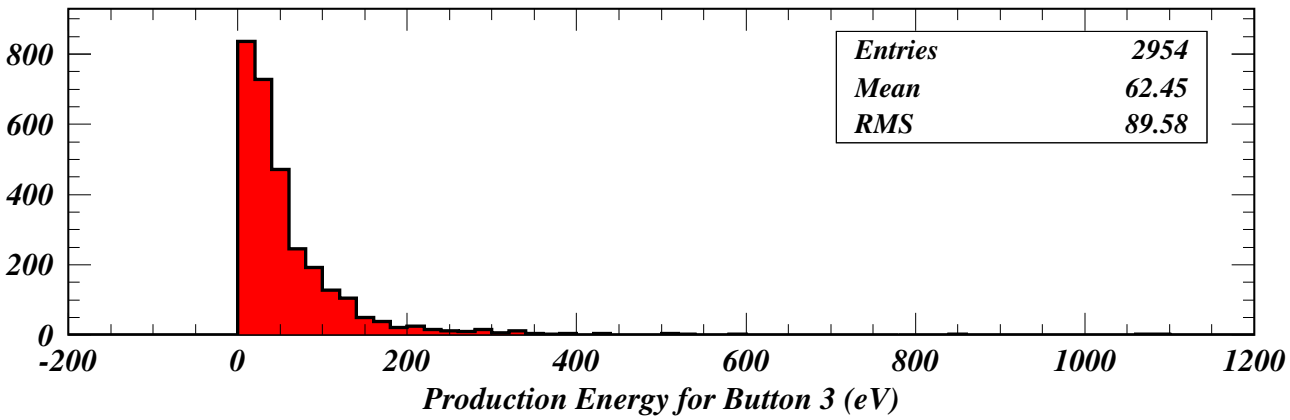


10/09/17 14.55

Job 16903: Button Signal Energies For 0 < T < 28 ns: Primaries Only

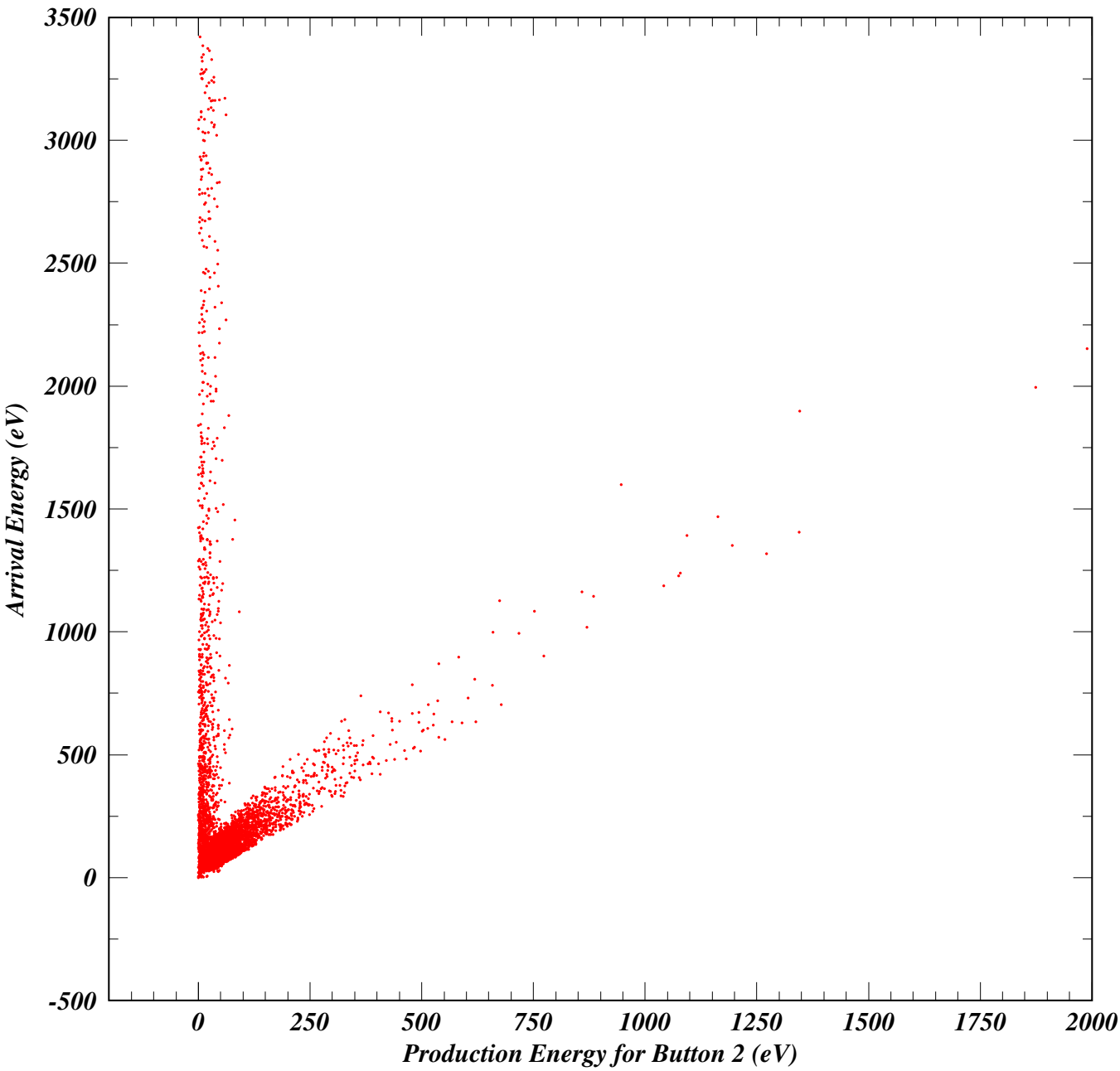






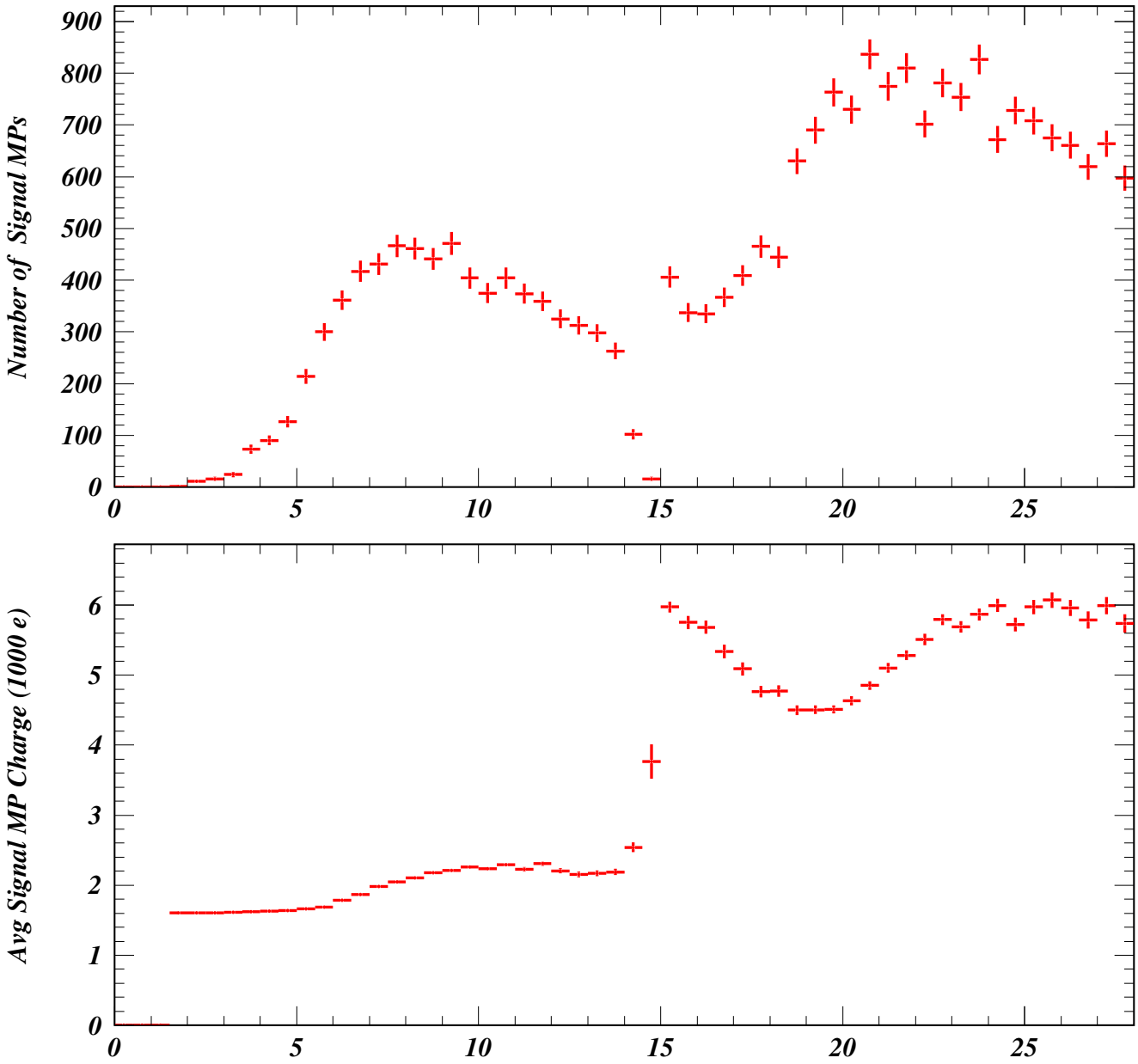
10/09/17 14.55

Job 16903: Button Signal Energies For 0 < T < 28 ns: Primaries Only



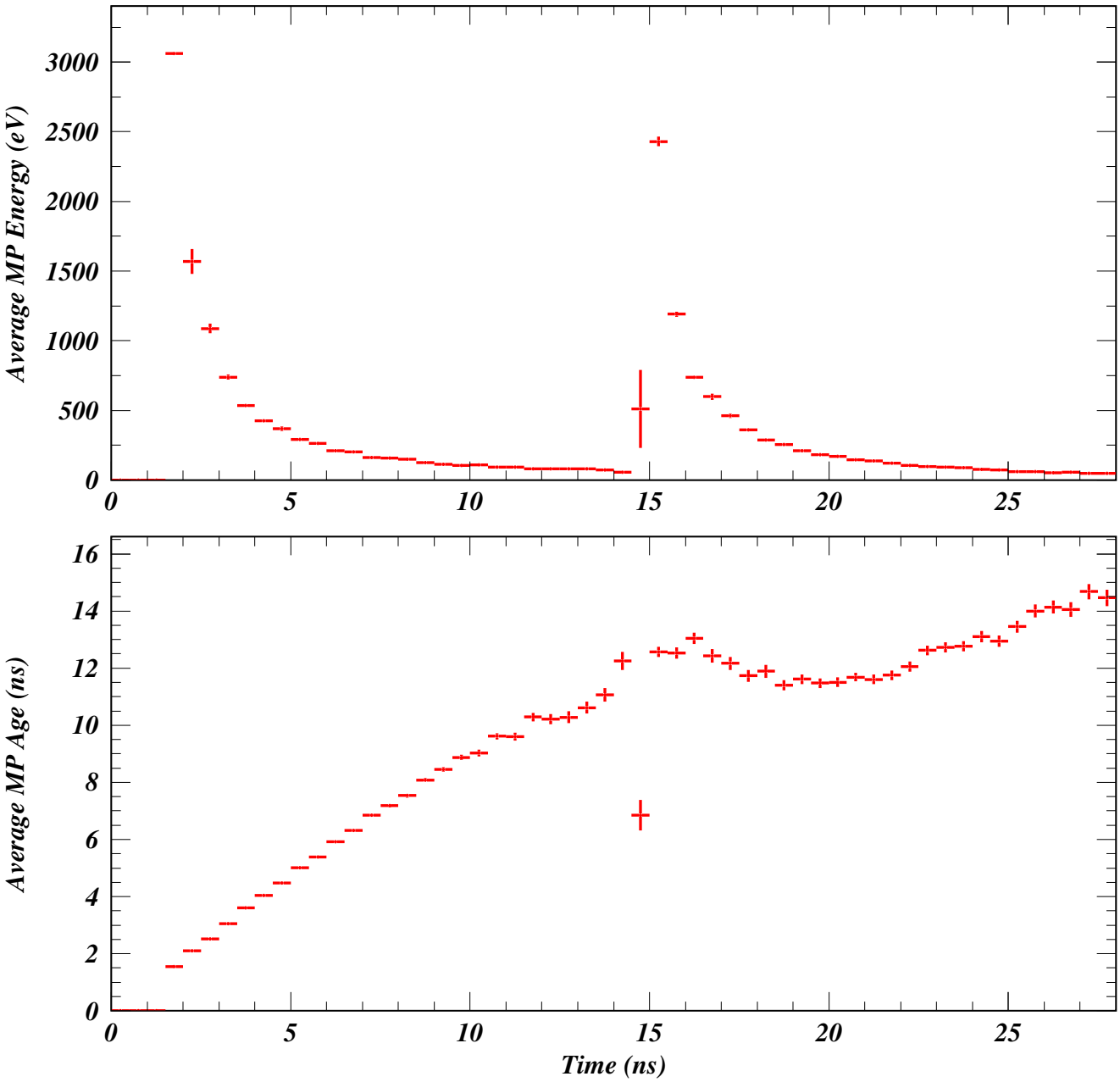
10/09/17 14.55

Job 16903: Button Signal Macroparticles For 0 < T < 28 ns



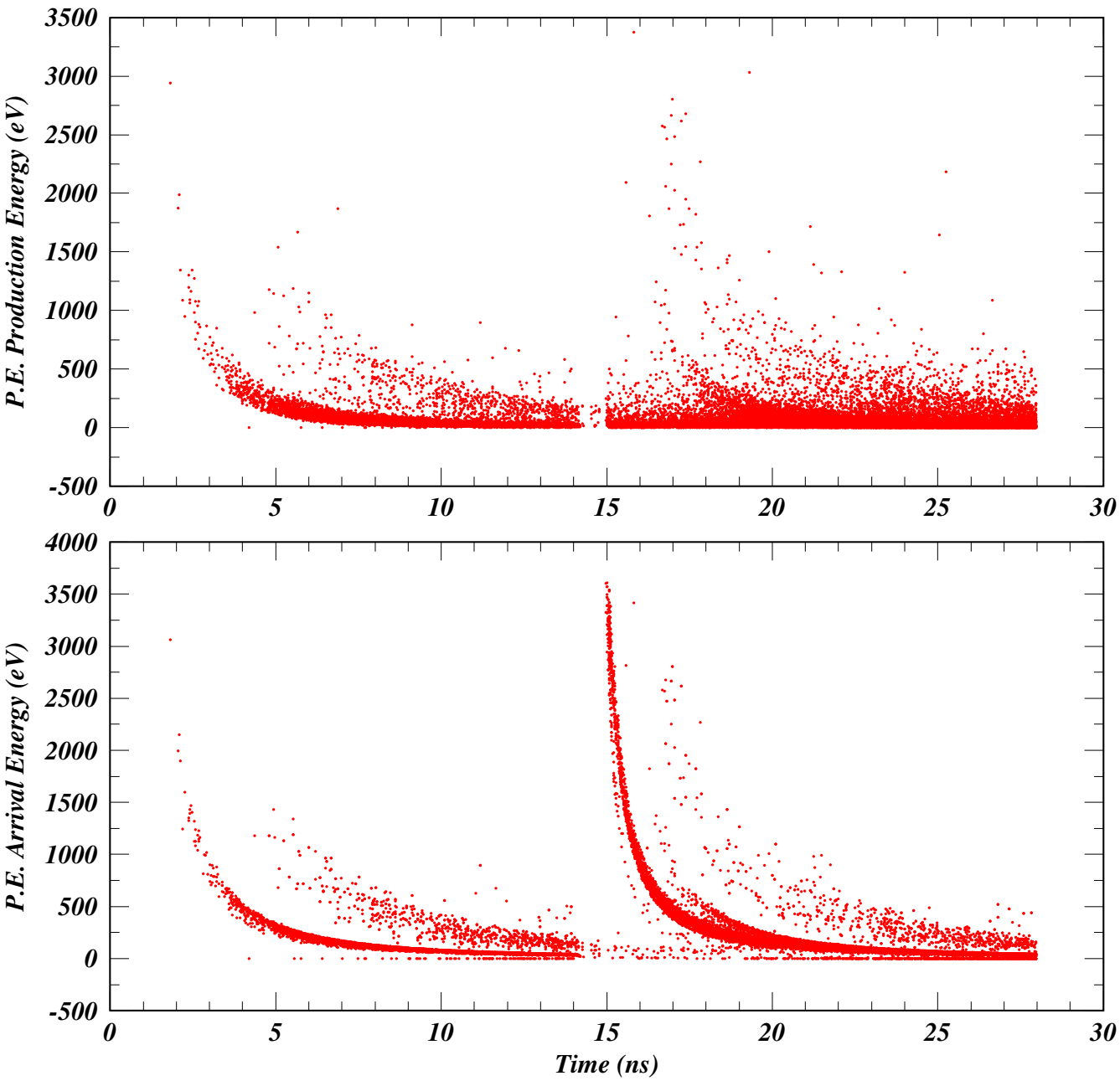
10/09/17 14.55

Job 16903: Button Signal Macroparticles For 0 < T < 28 ns



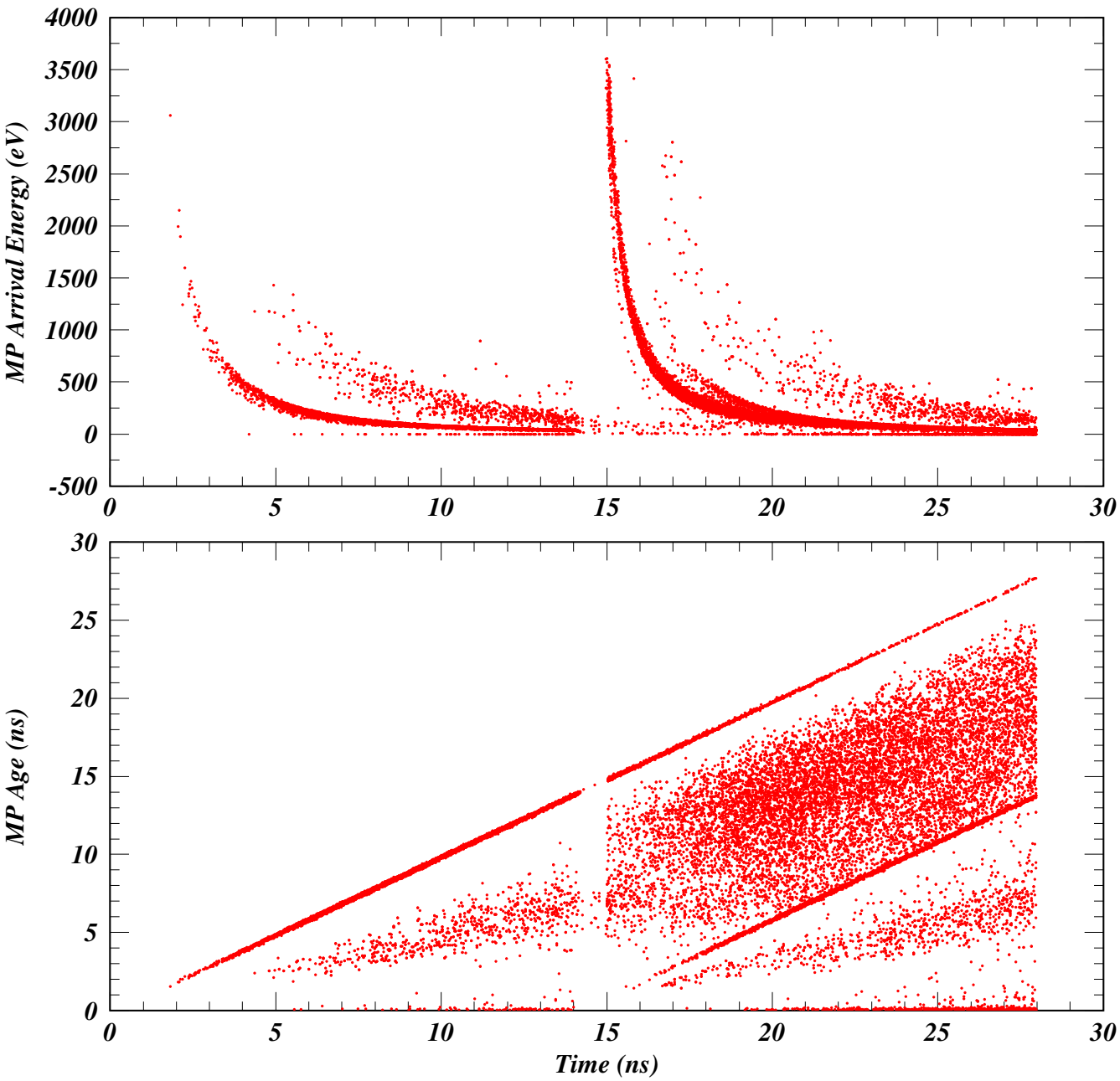
10/09/17 14.55

Job 16903: Button Signal Macroparticles For 0 < T < 28 ns

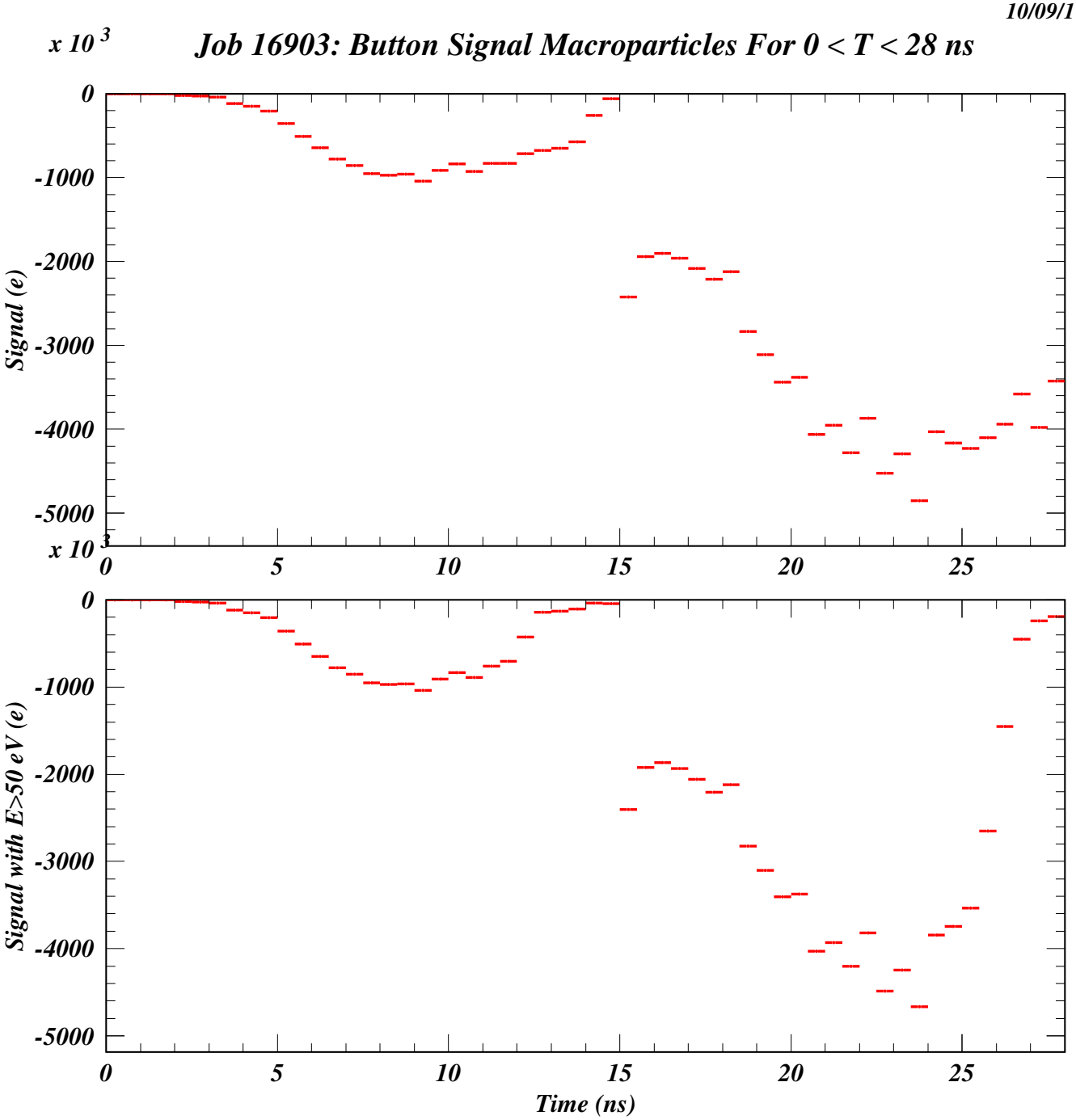


10/09/17 14.55

Job 16903: Button Signal Macroparticles For 0 < T < 28 ns

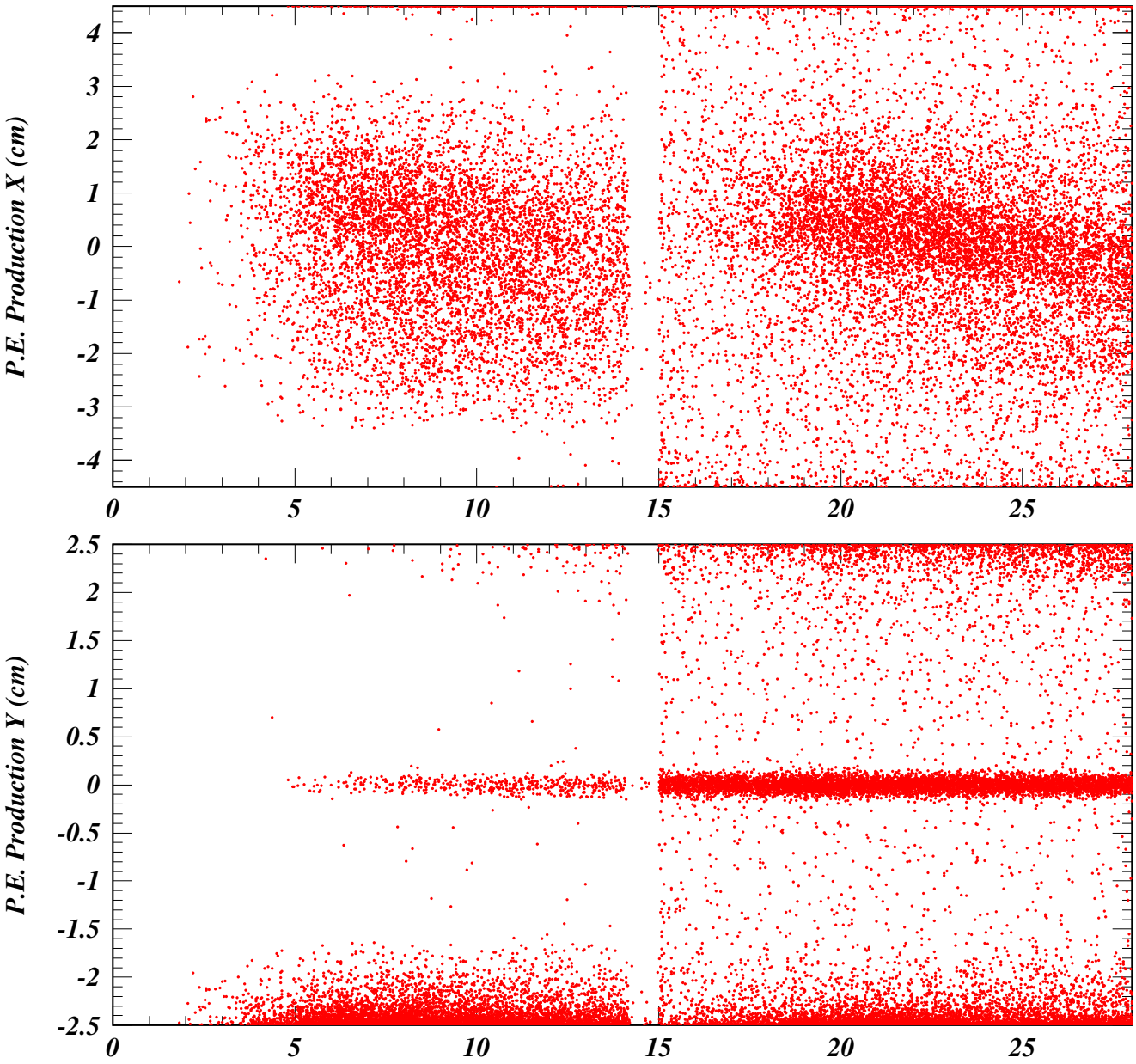


10/09/17 14.55


x 10 3
Job 16903: Button Signal Macroparticles For 0 < T < 28 ns
Signal (e)
0
-1000
-2000
-3000
-4000
-5000
x 10 3
0
5
10
15
20
25
Signal with E>50 eV (e)
Time (ns)

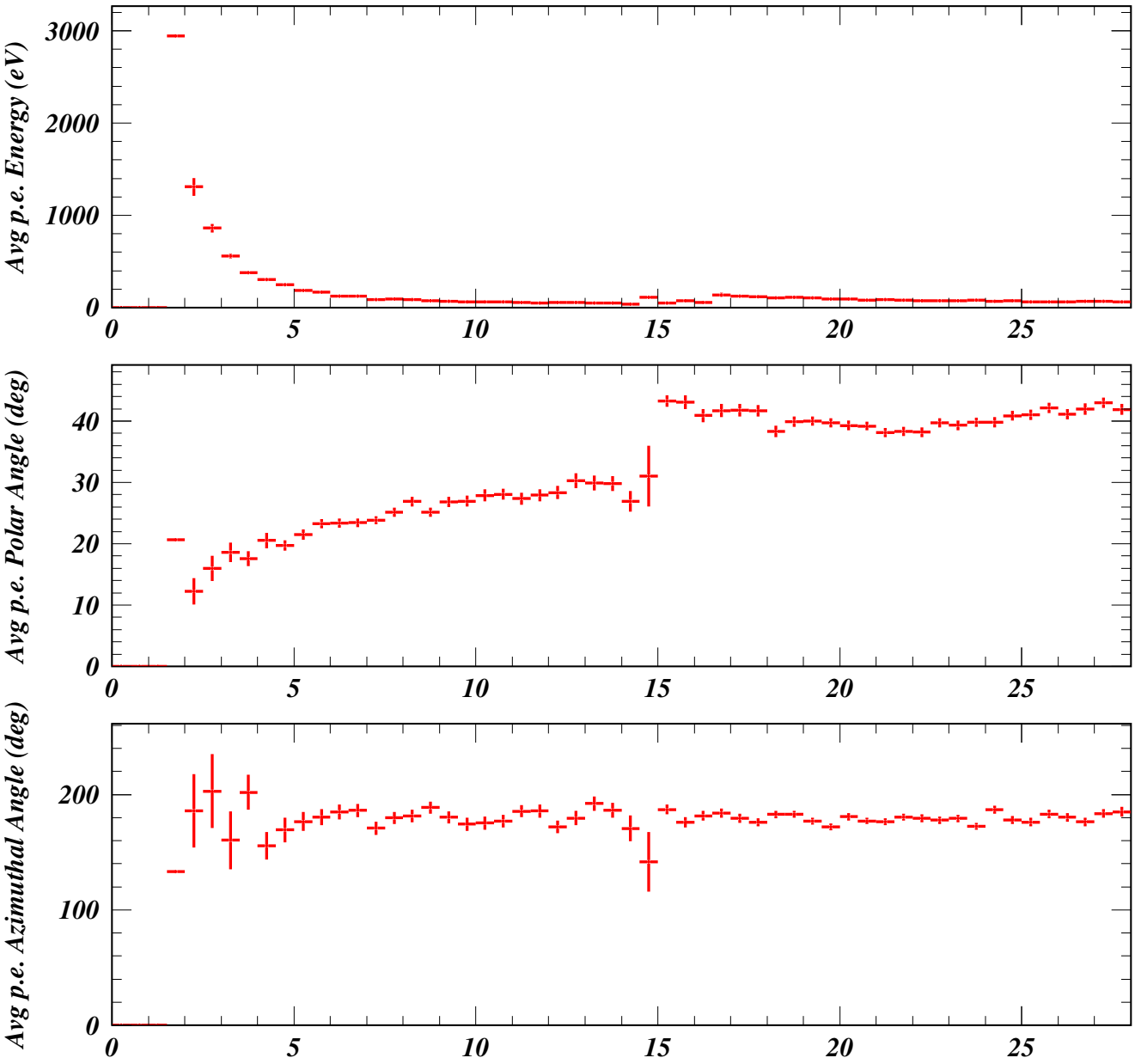
10/09/17 14.55

Job 16903: Button Signal Macroparticles For 0 < T < 28 ns

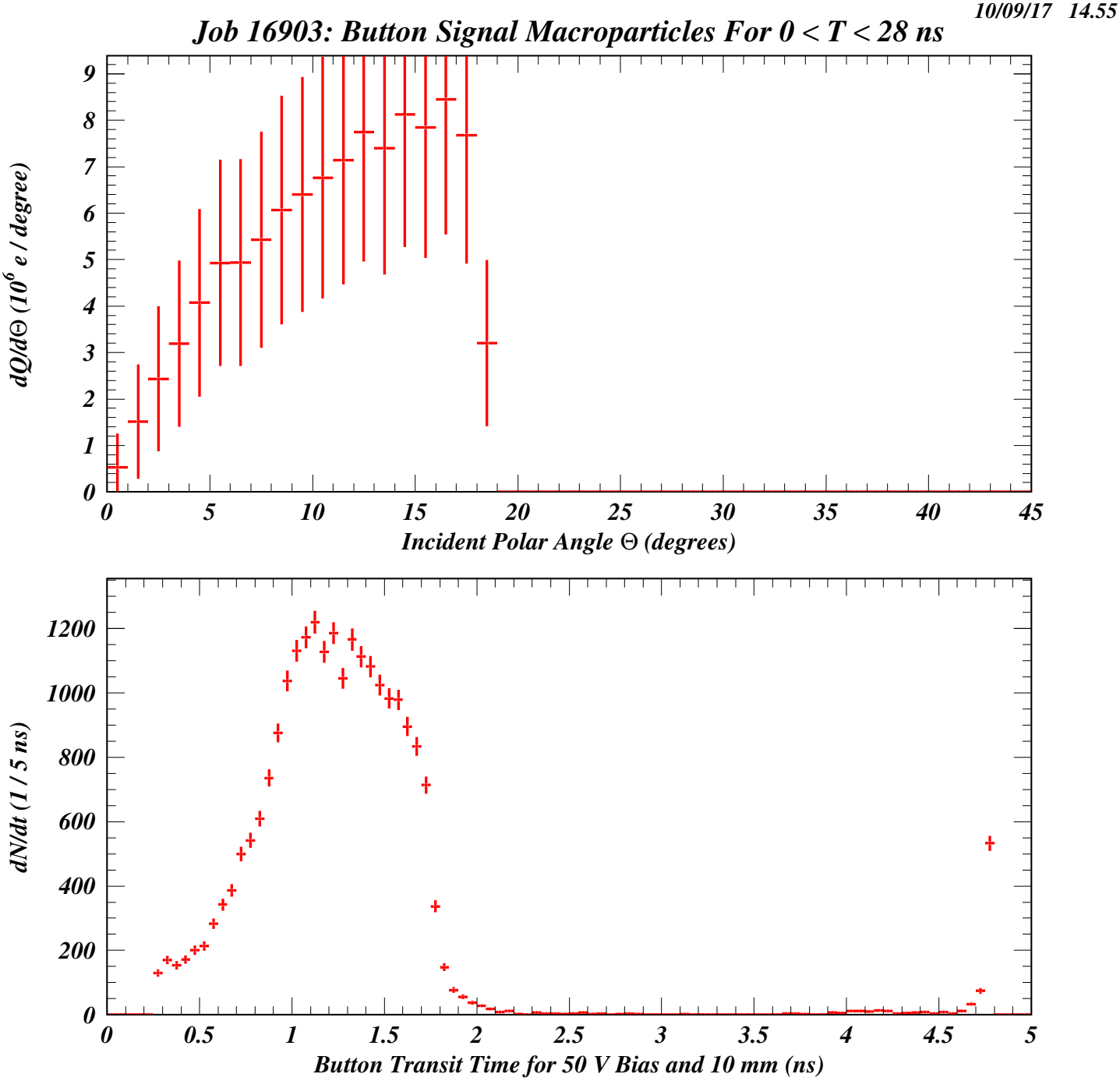


10/09/17 14.55

Job 16903: Button Signal Macroparticles For 0 < T < 28 ns



10/09/17 14.55


Job 16903: Button Signal Macroparticles For 0 < T < 28 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)