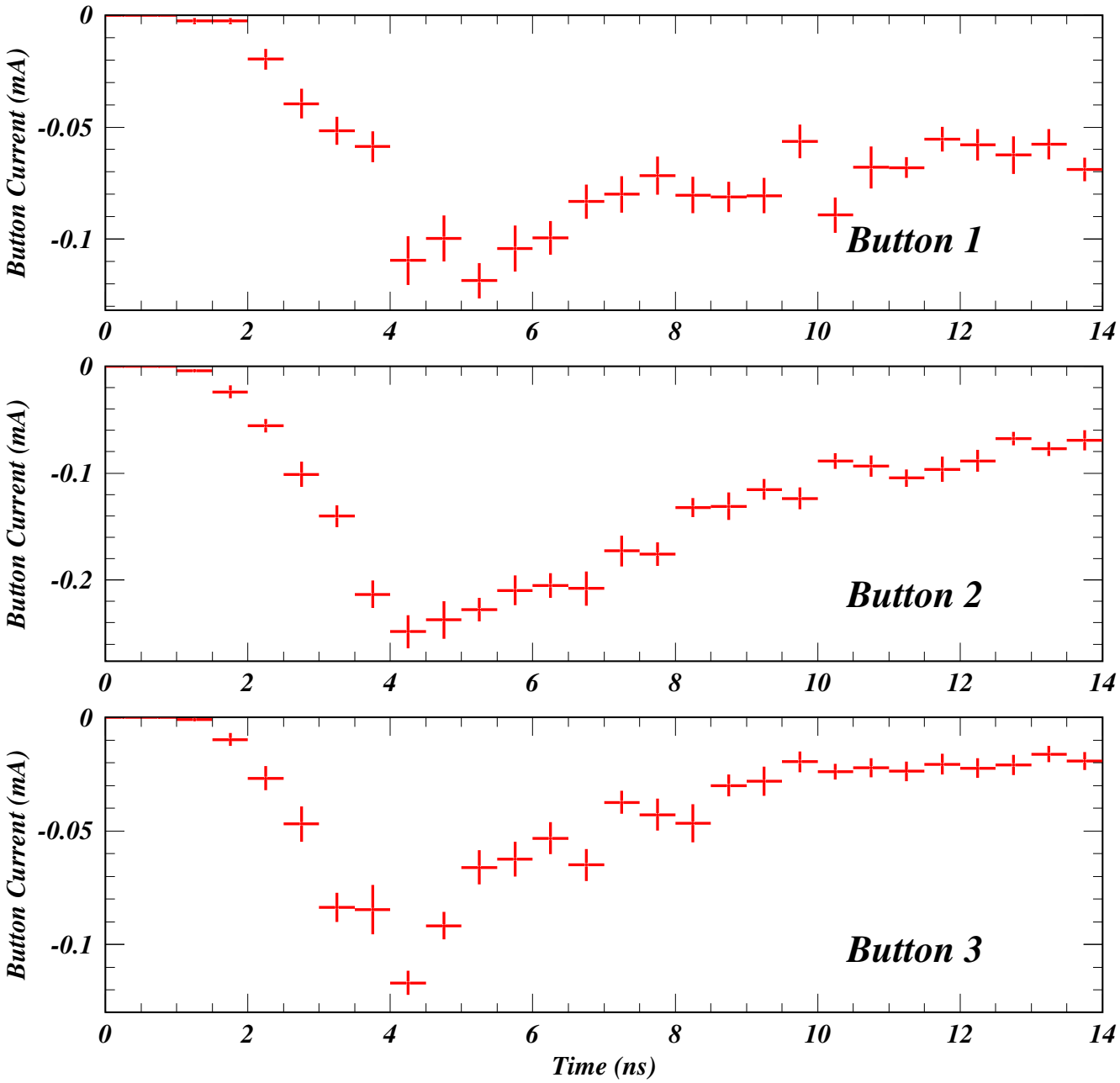
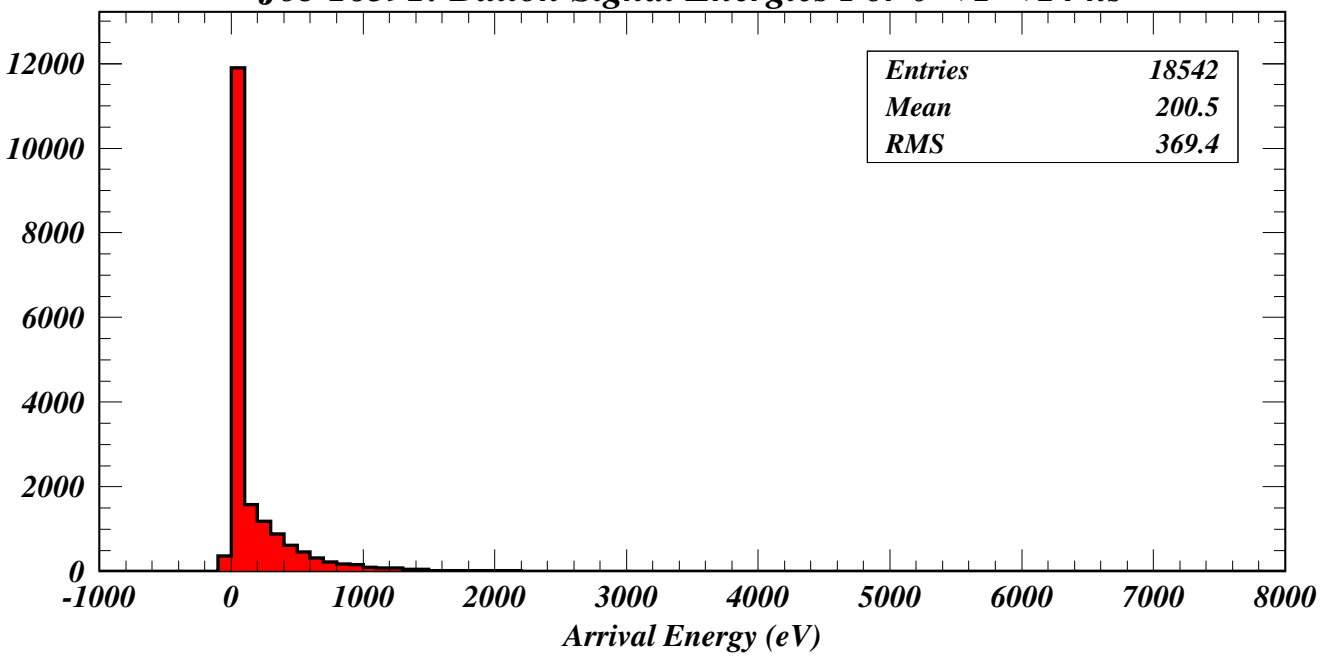
10/07/14 10.57

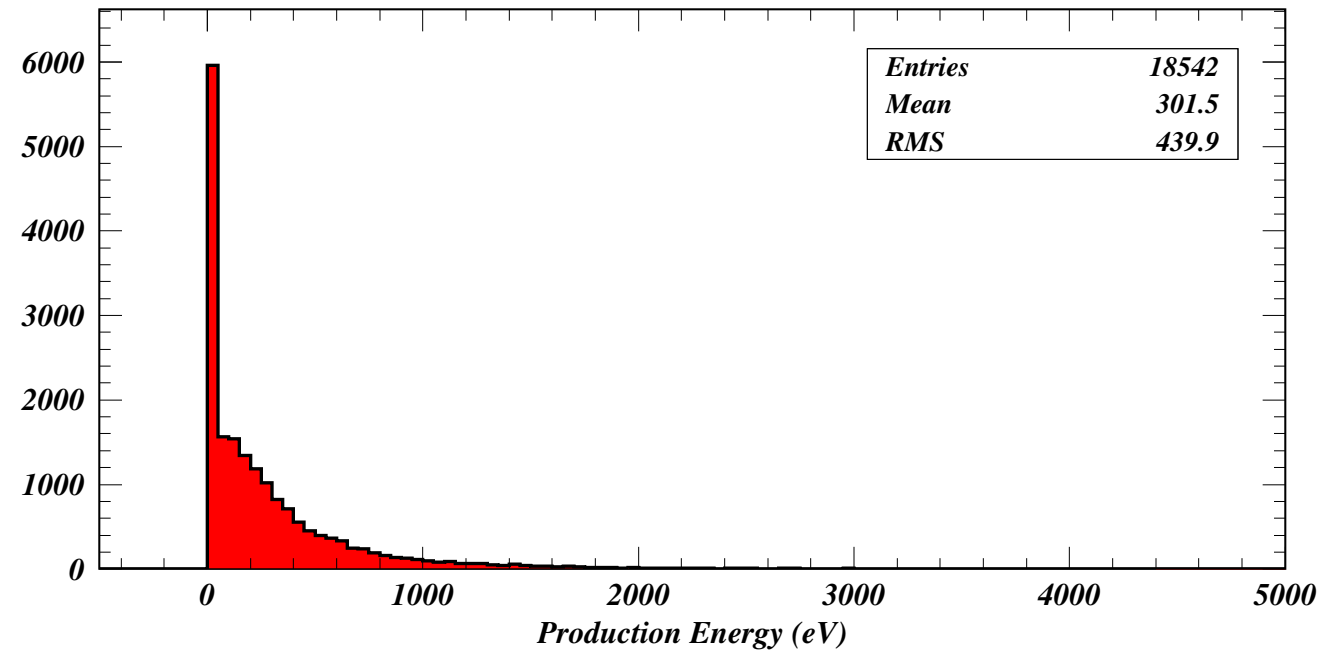
Job 16591: Shielded Button Simulation



10/07/14 10.57

Job 16591: Button Signal Energies For 0 < T < 14 ns





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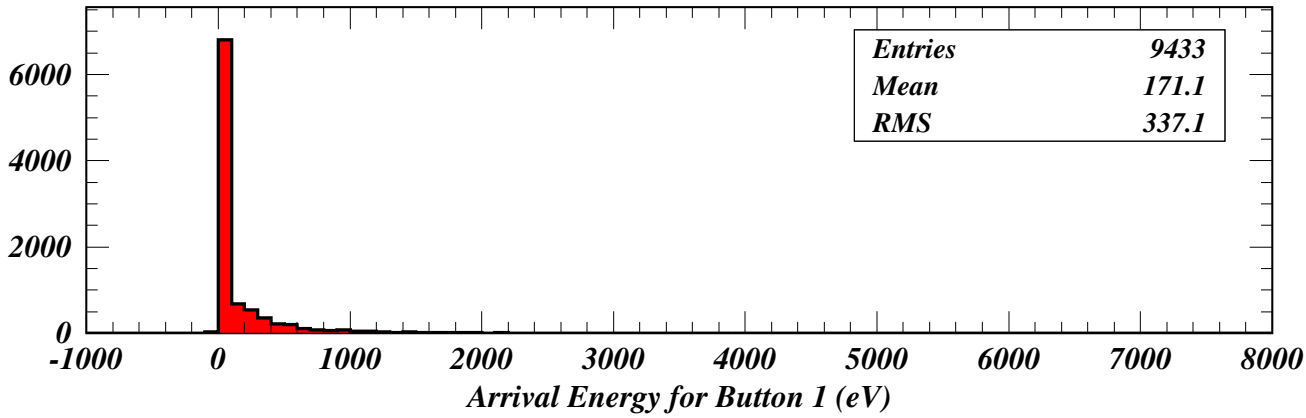
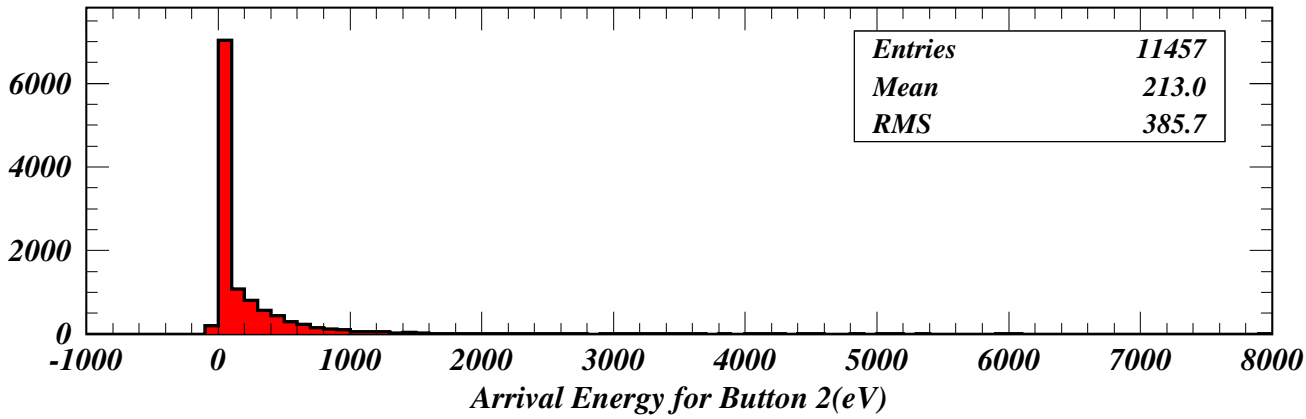
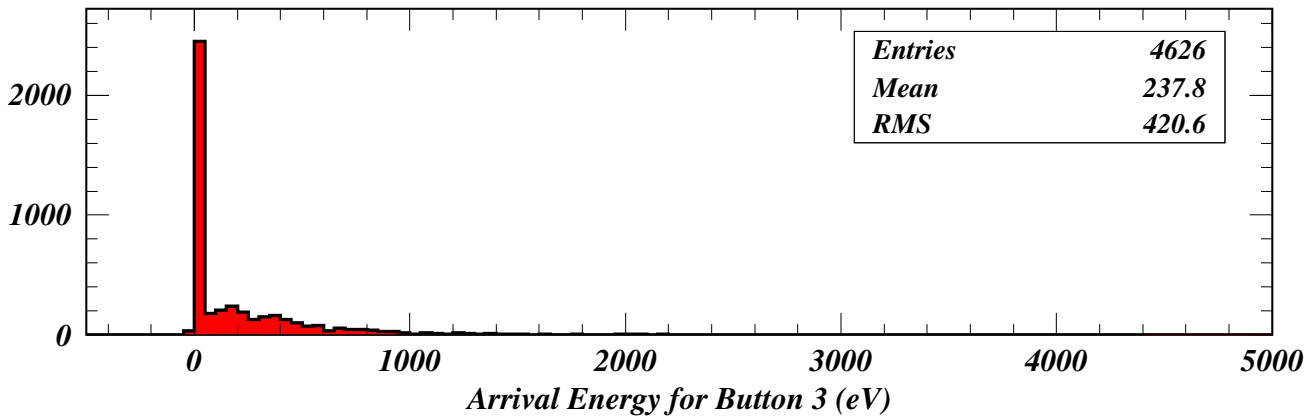
Job 16591: Button Signal Energies For 0 < T < 14 ns







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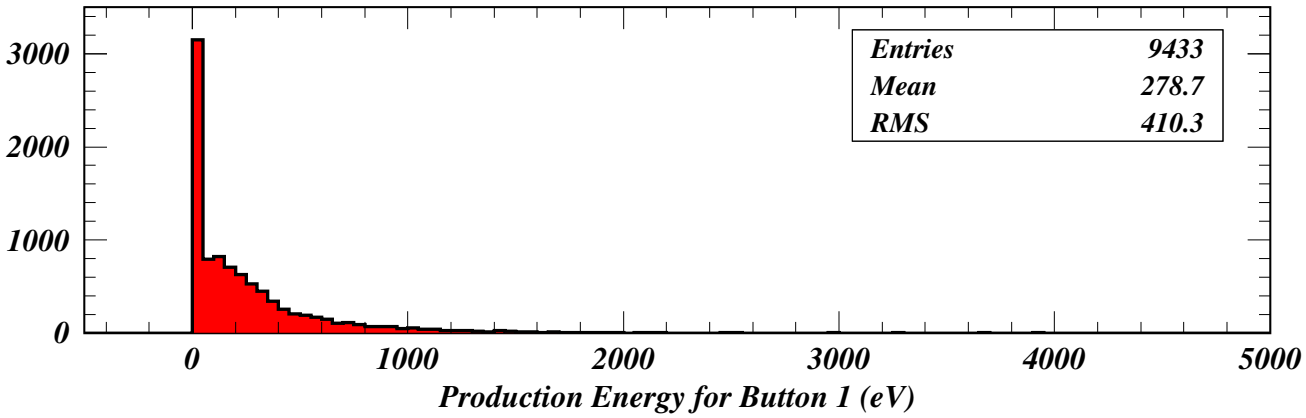
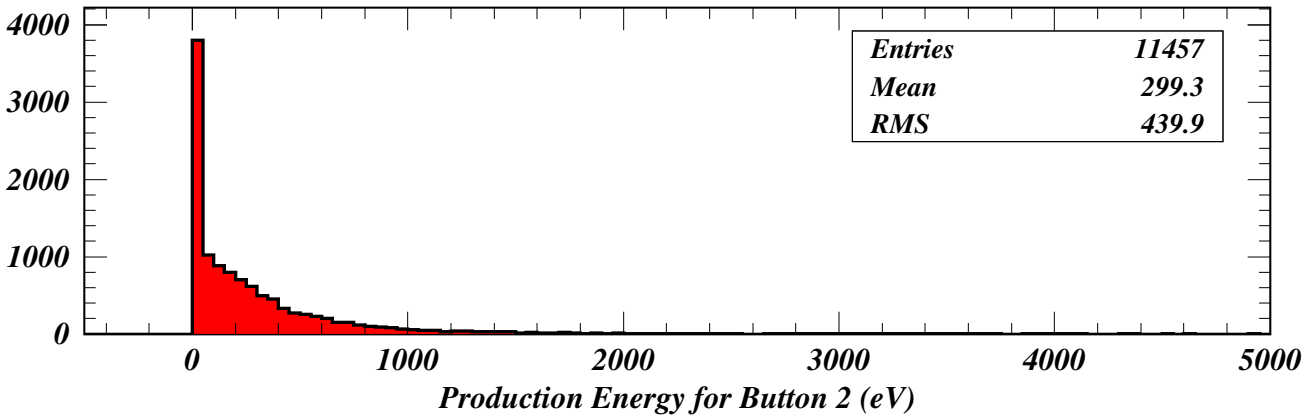
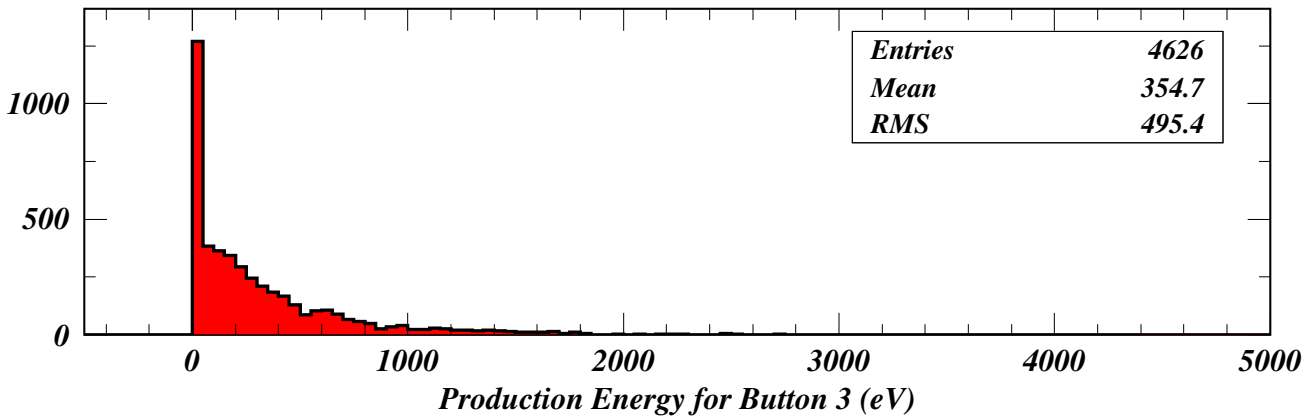
Job 16591: Button Signal Energies For 0 < T < 14 ns







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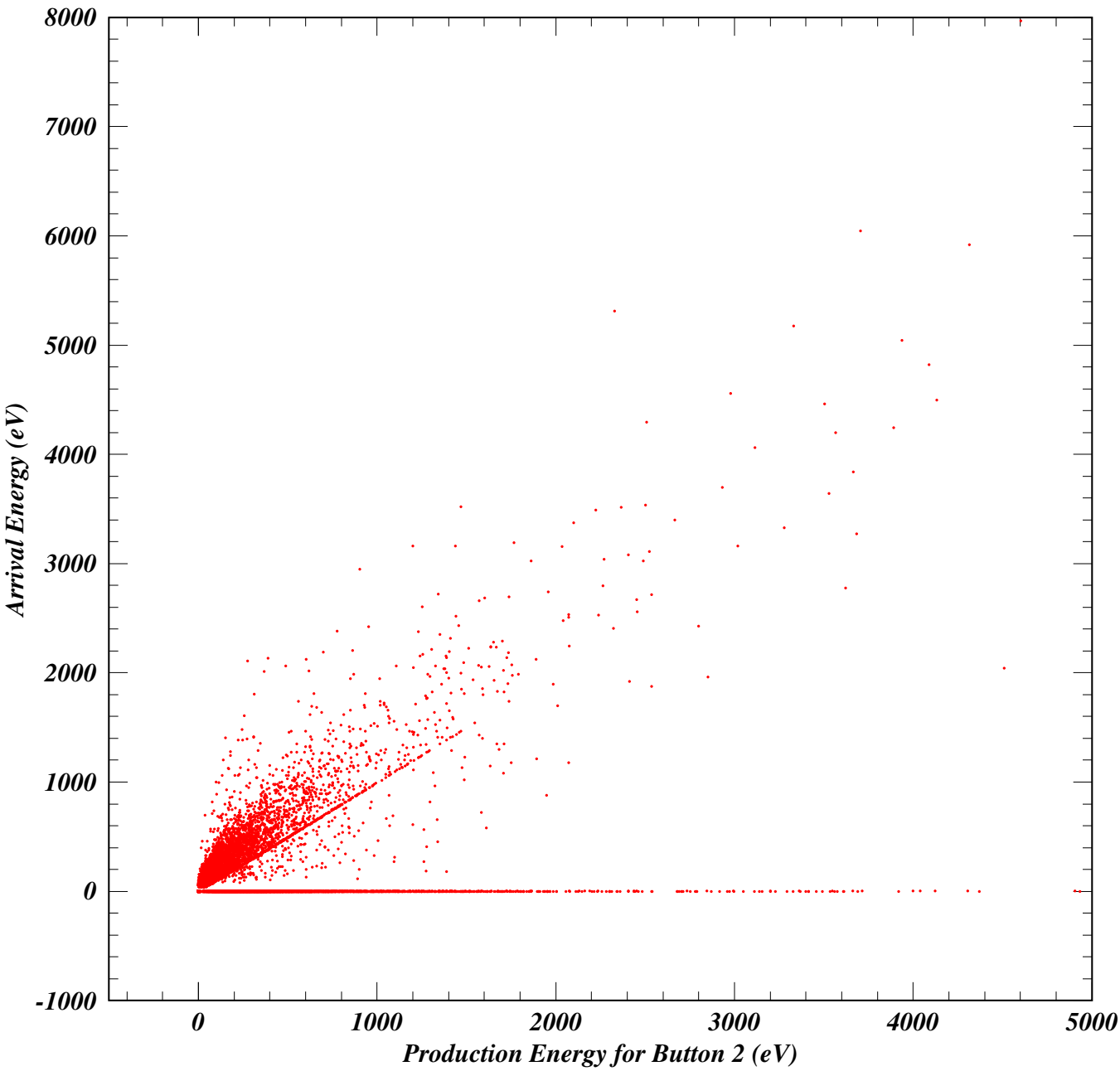
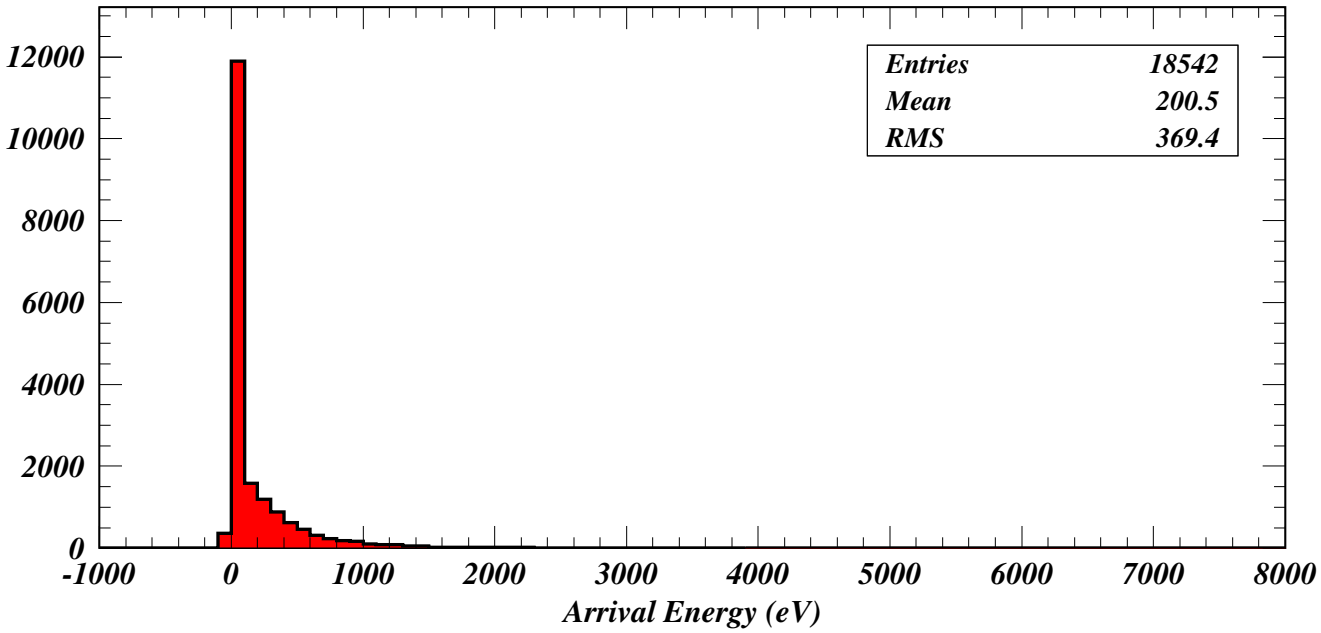
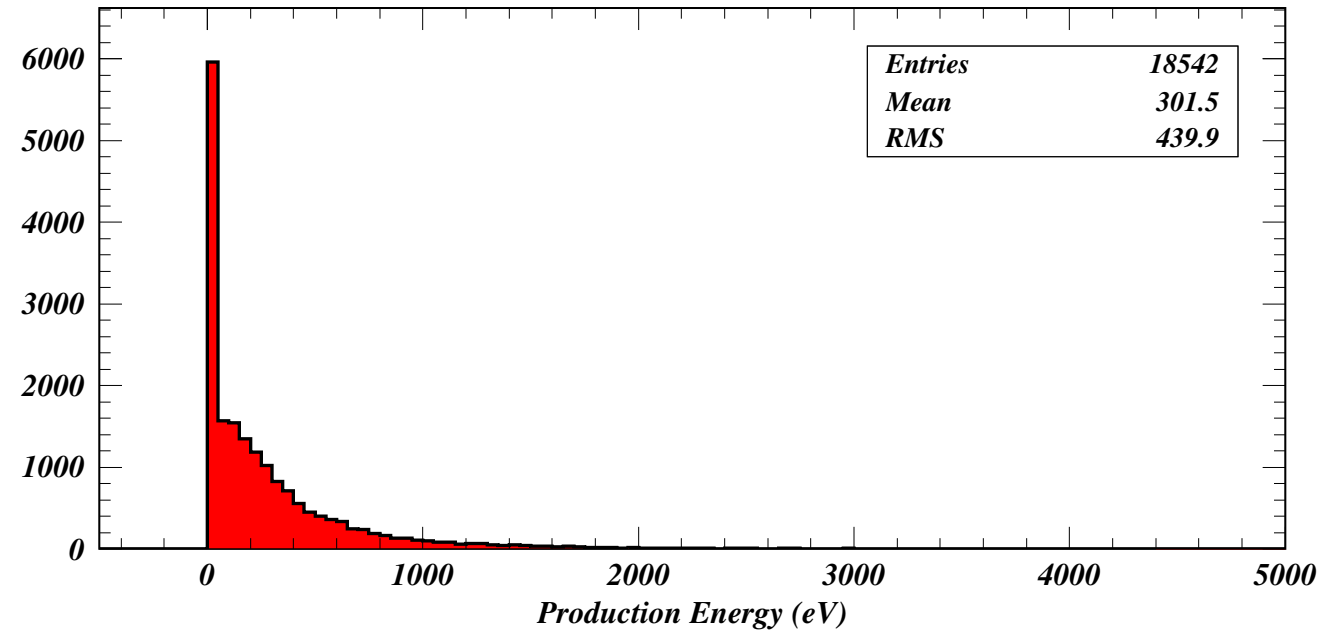
Job 16591: Button Signal Energies For 0 < T < 14 ns



10/07/14 10.57

Job 16591: Button Signal Energies For 0 < T < 14 ns: Primaries Only





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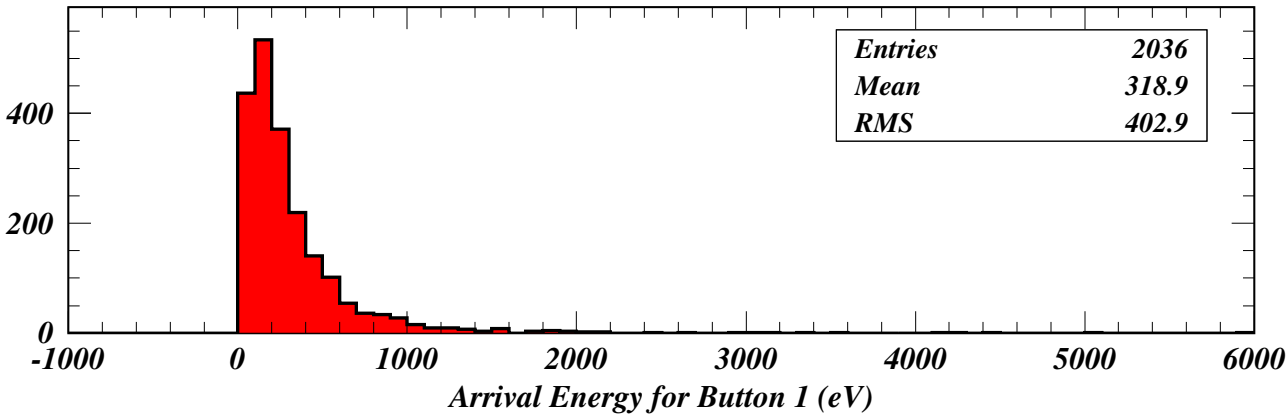
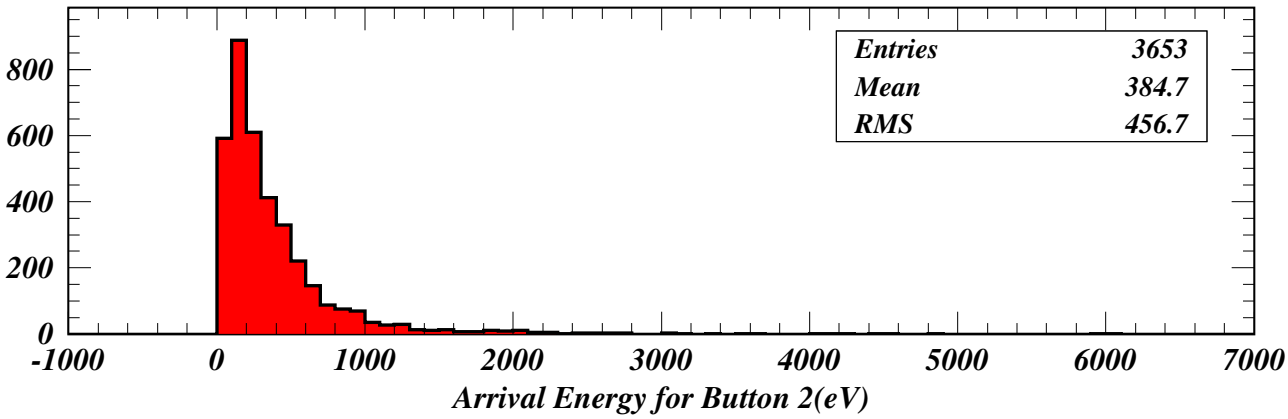
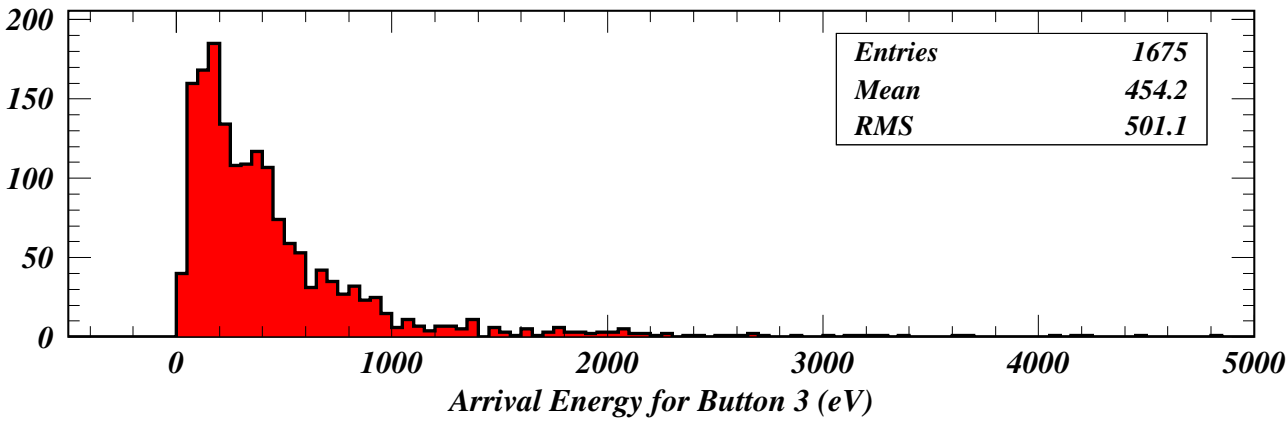
Job 16591: Button Signal Energies For 0 < T < 14 ns: Primaries Only

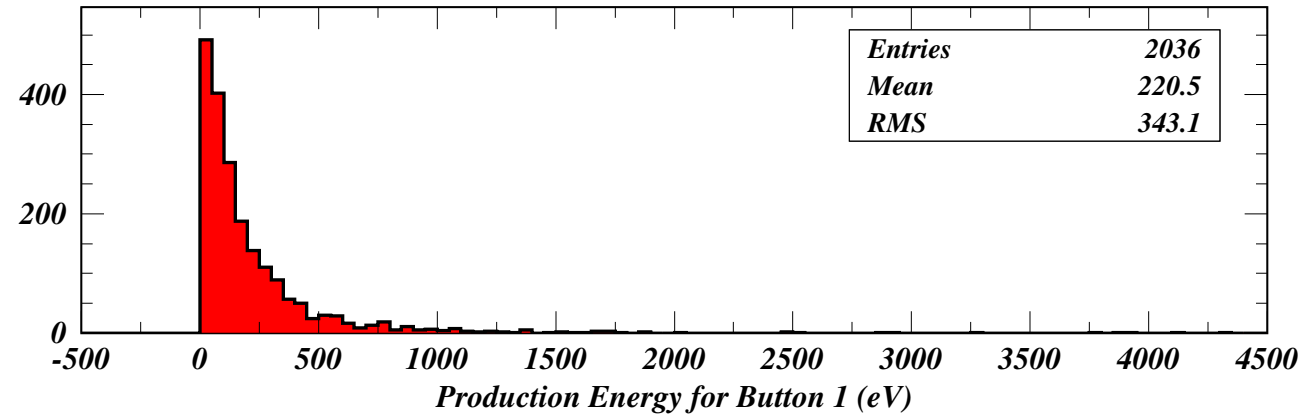


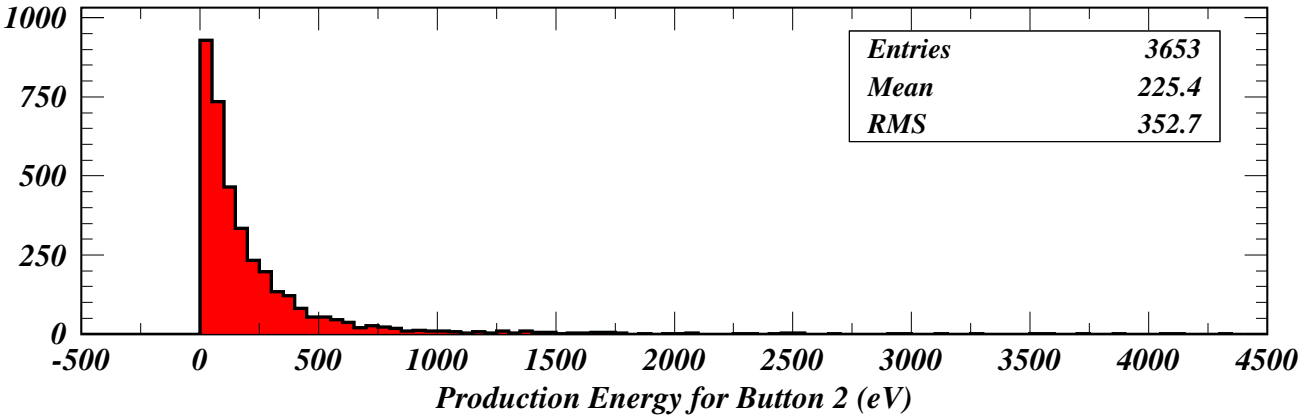


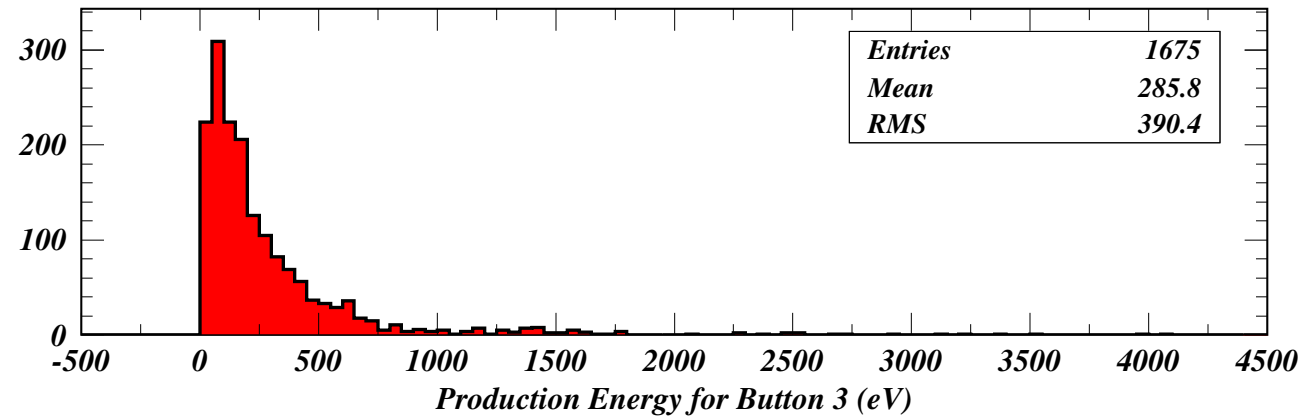


10/07/14 10.57

Job 16591: Button Signal Energies For 0 < T < 14 ns: Primaries Only







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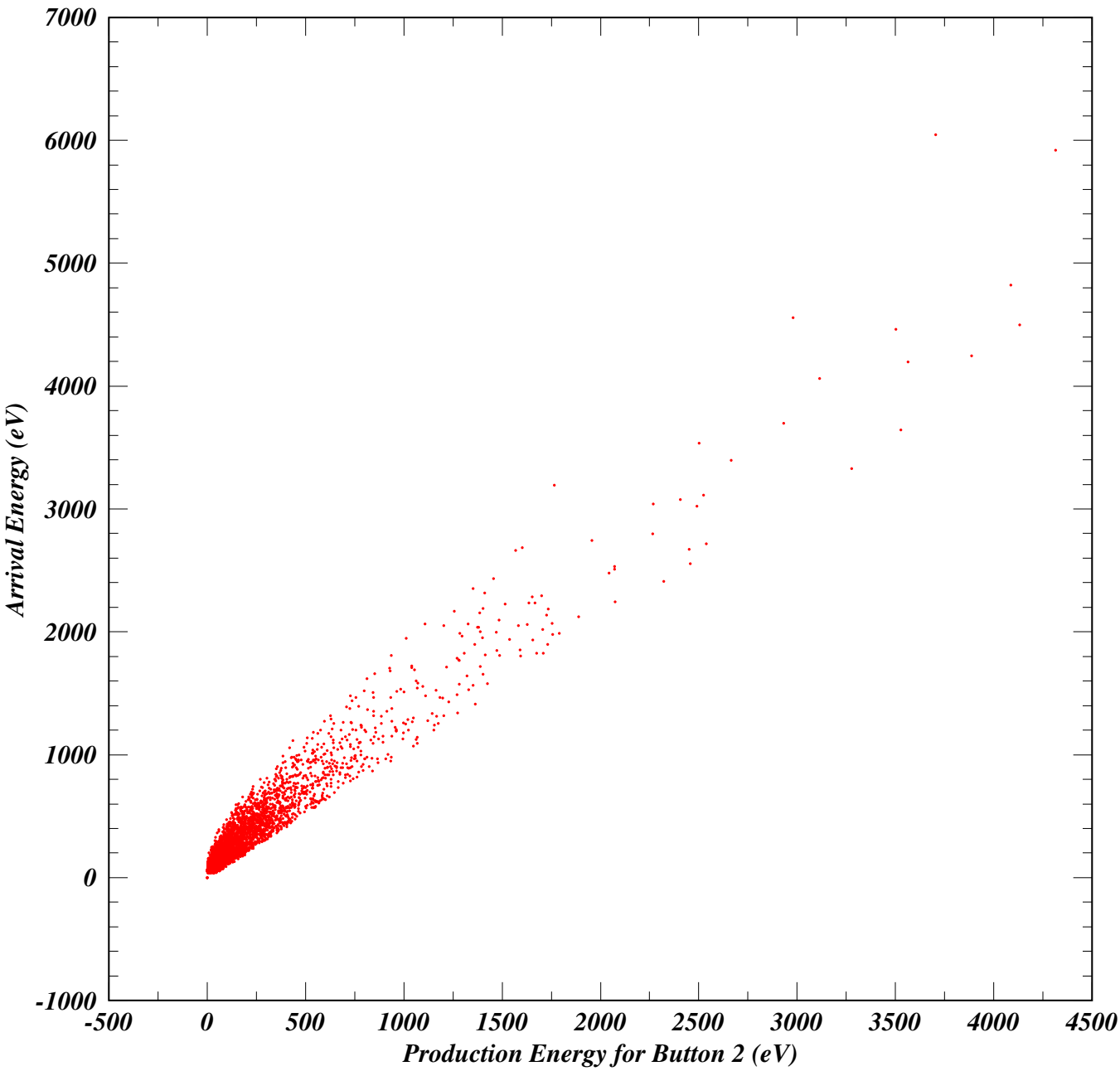
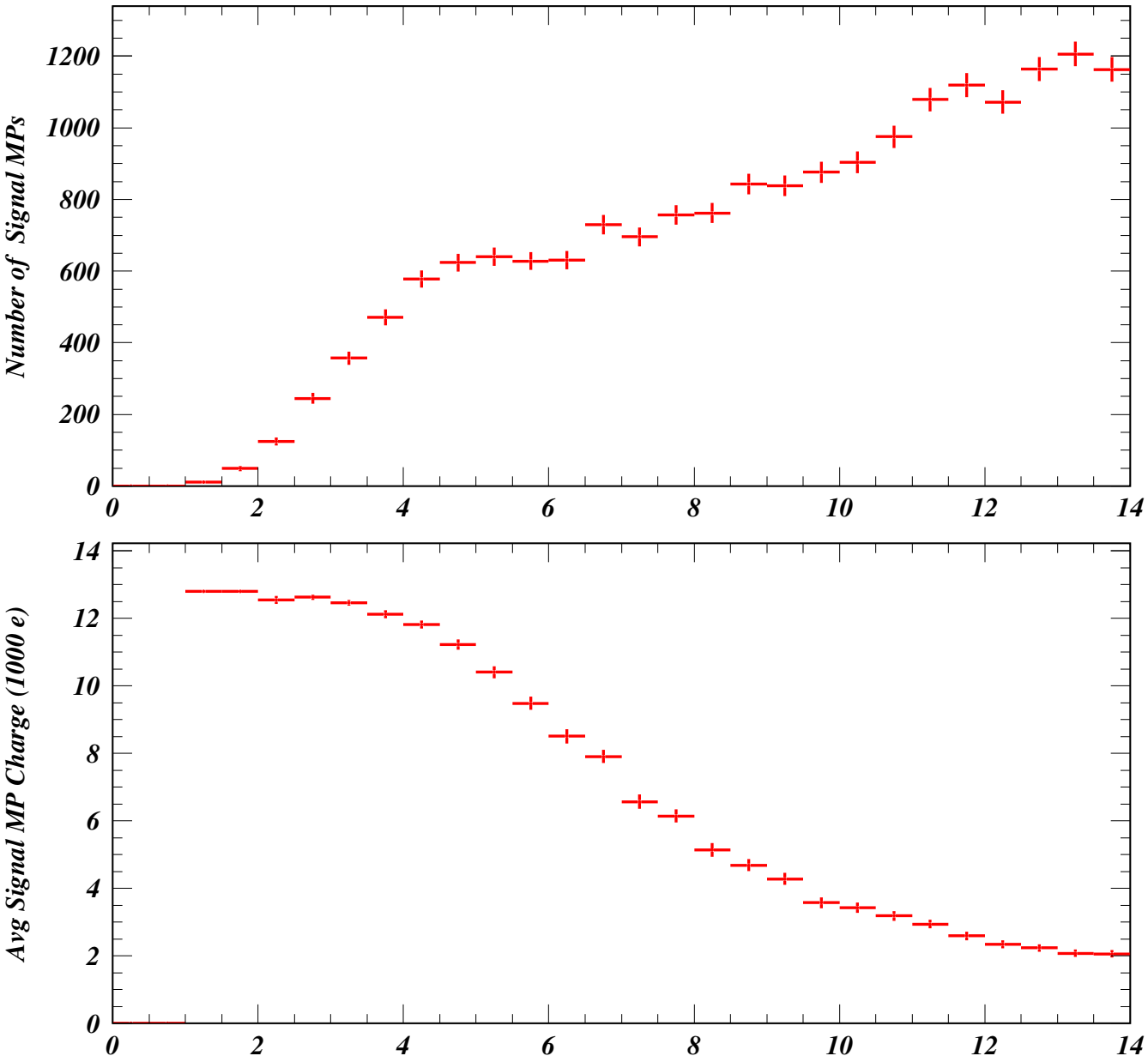
Job 16591: Button Signal Energies For 0 < T < 14 ns: Primaries Only



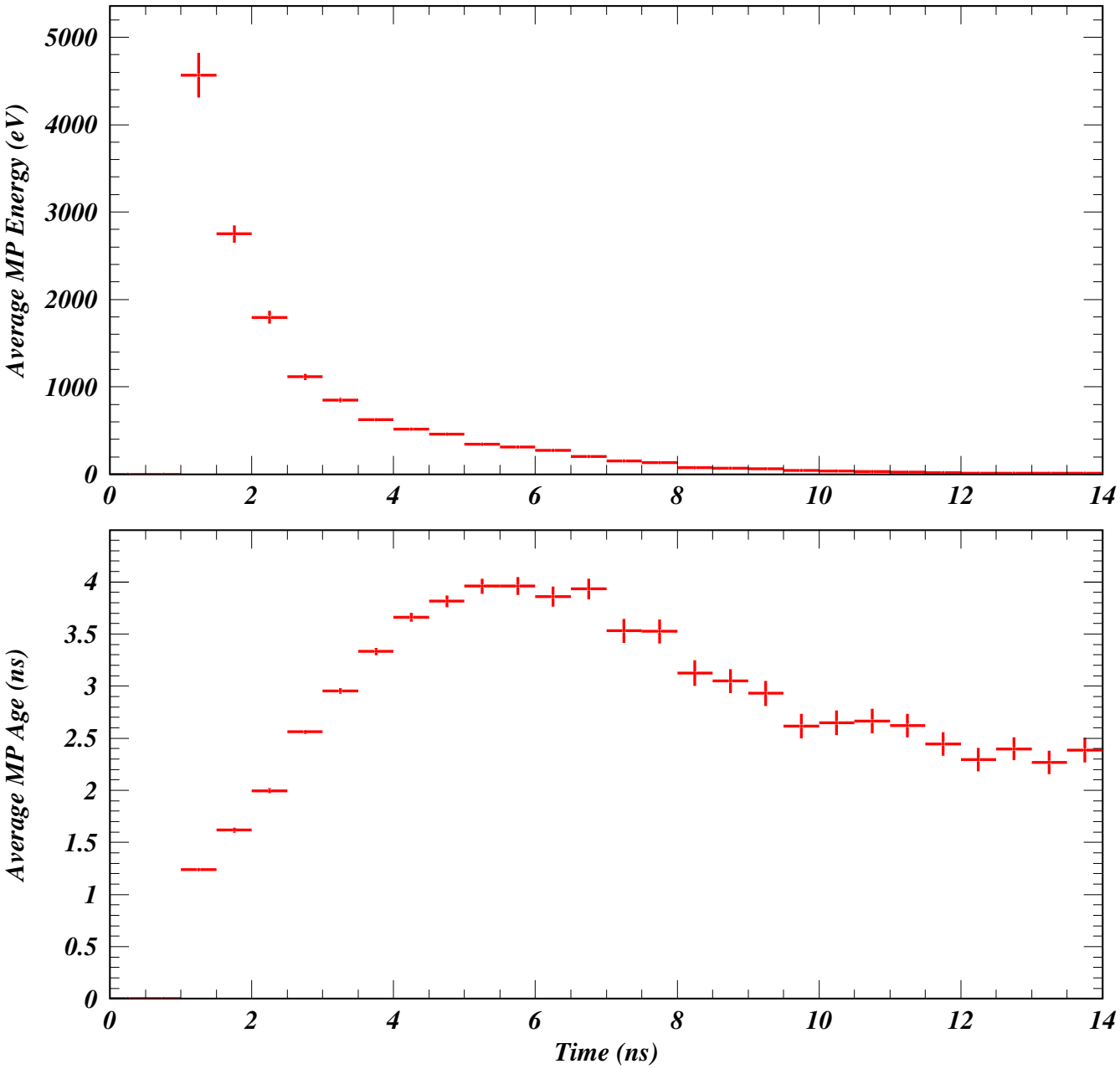
10/07/14 10.57

Job 16591: Button Signal Macroparticles For 0 < T < 14 ns

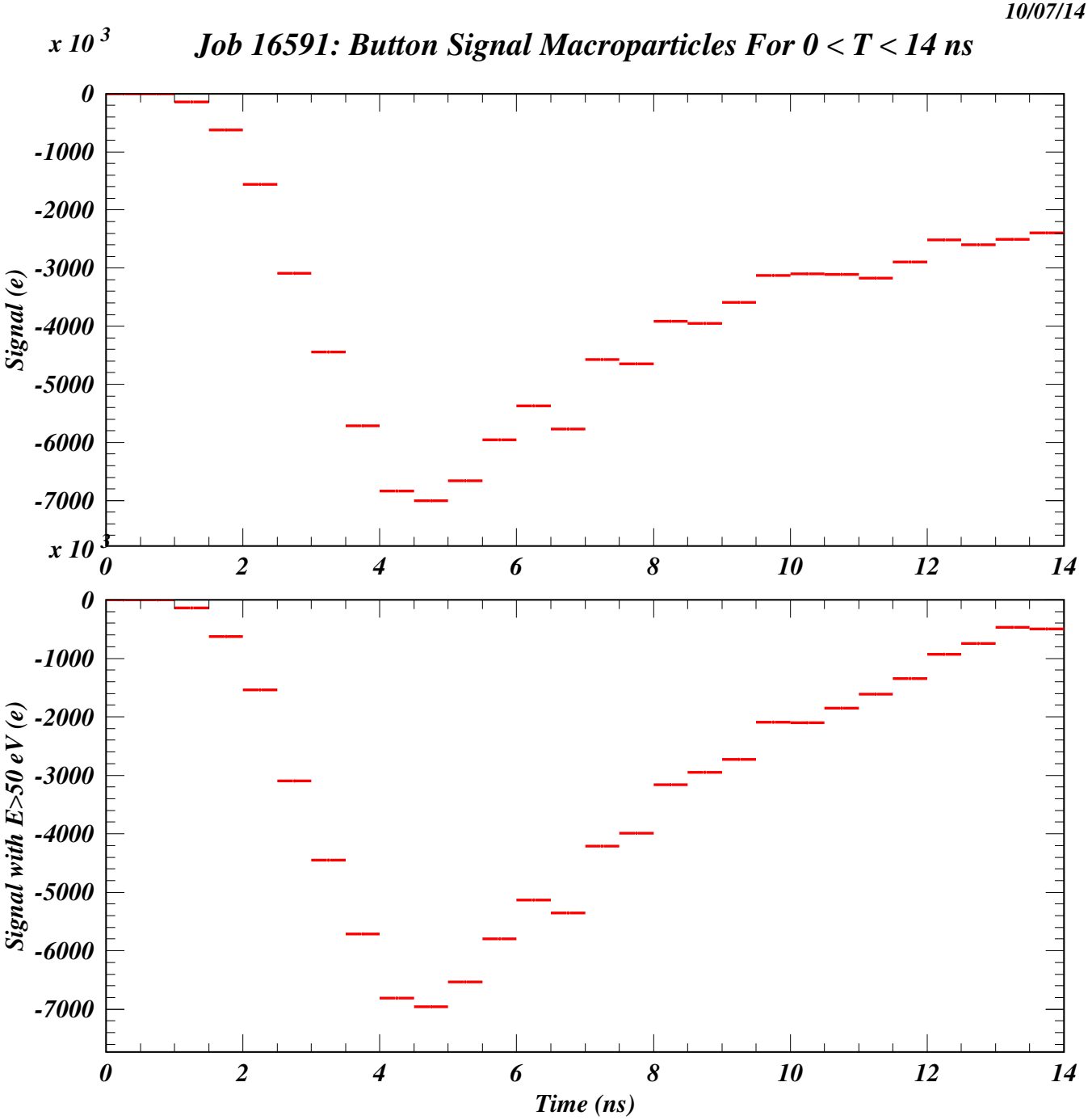


10/07/14 10.57

Job 16591: Button Signal Macroparticles For 0 < T < 14 ns



10/07/14 10.57


x 10 3
Job 16591: Button Signal Macroparticles For 0 < T < 14 ns
Signal (e)
0
-1000
-2000
-3000
-4000
-5000
-6000
-7000
x 10 3
0
2
4
6
8
10
12
14
Signal with E>50 eV (e)
0
-1000
-2000
-3000
-4000
-5000
-6000
-7000
0
2
4
6
8
10
12
14
Time (ns)

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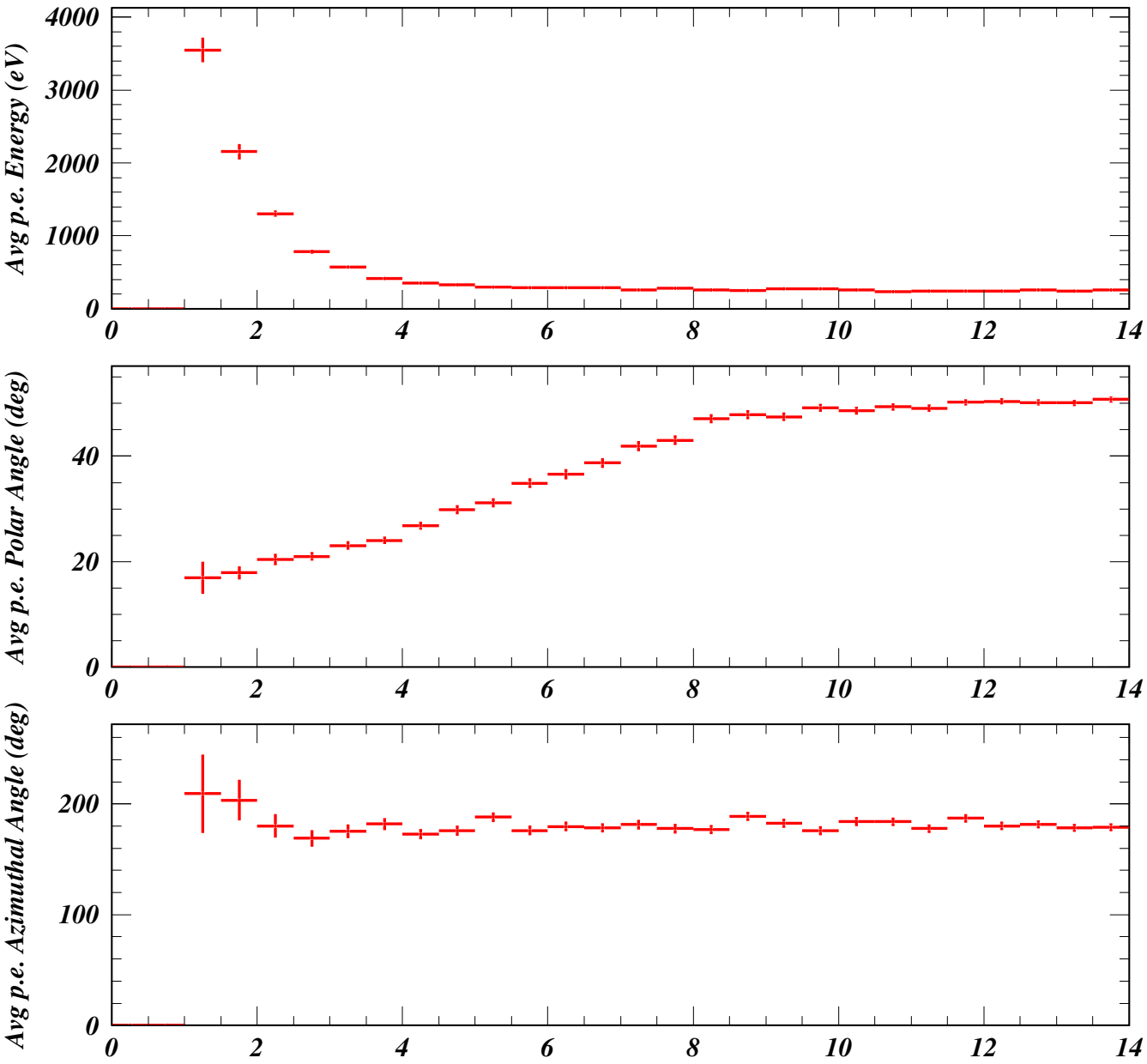
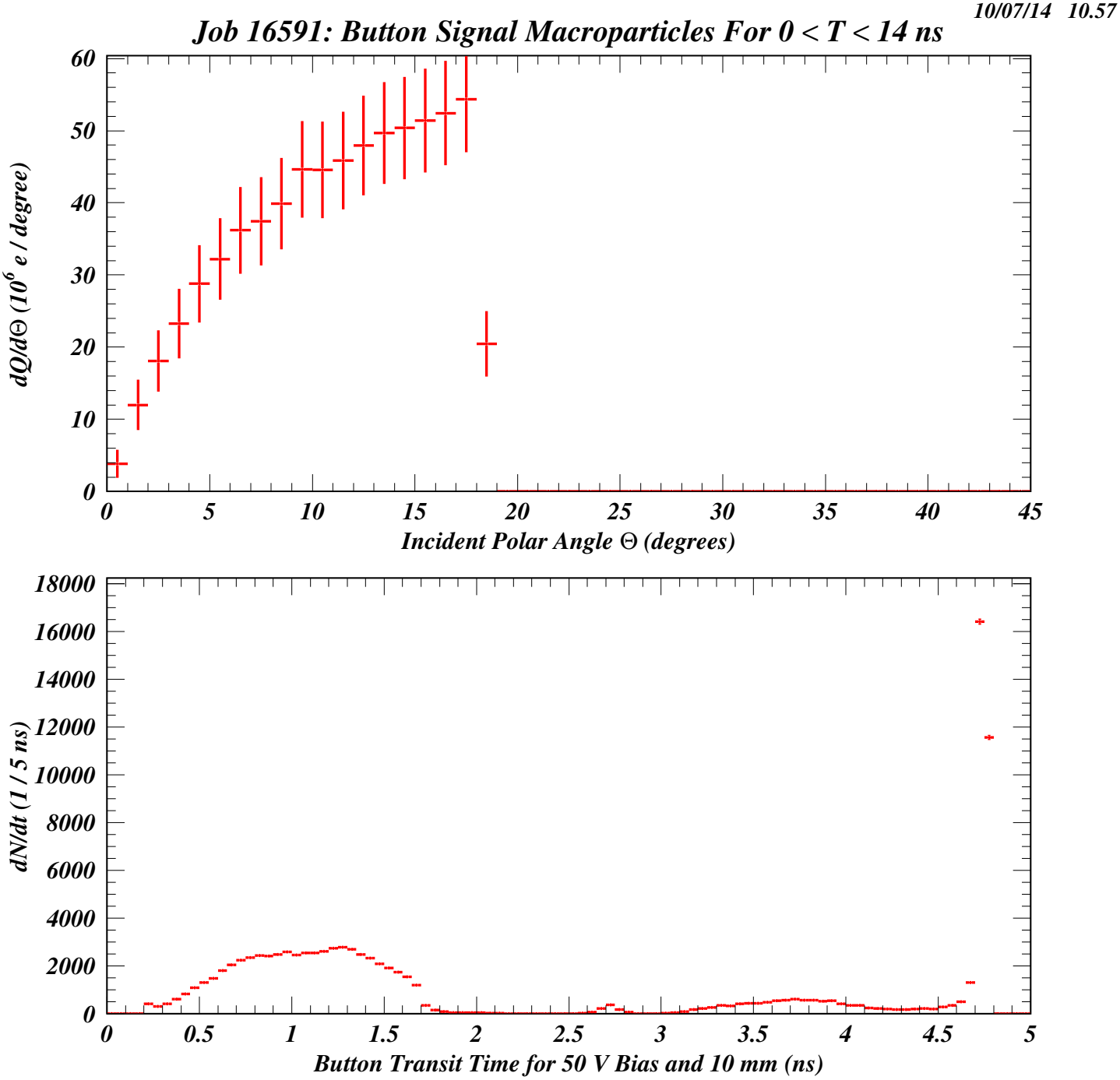
Job 16591: Button Signal Macroparticles For 0 < T < 14 ns

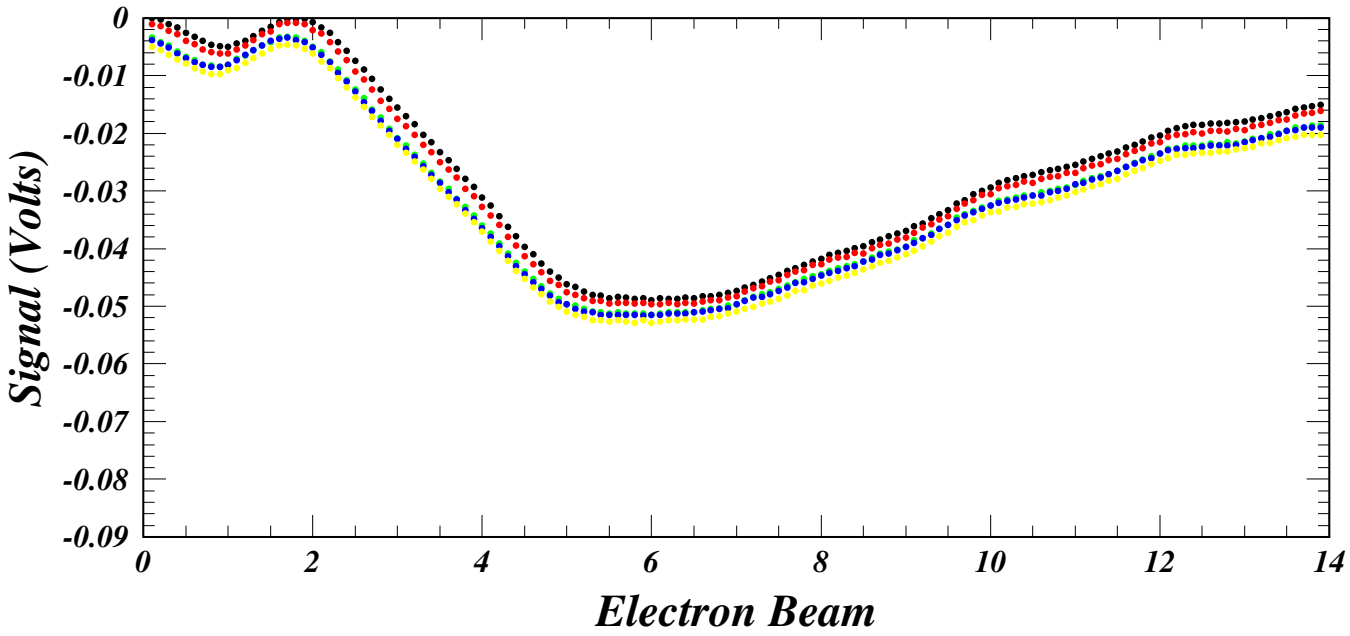


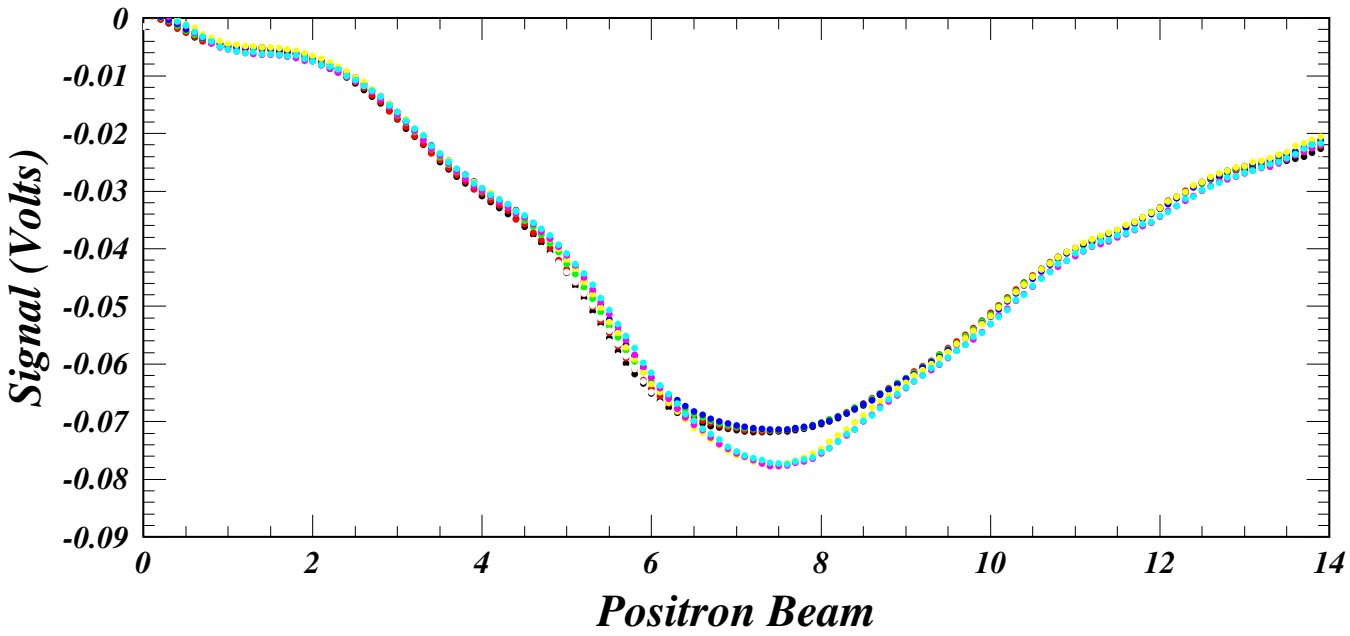
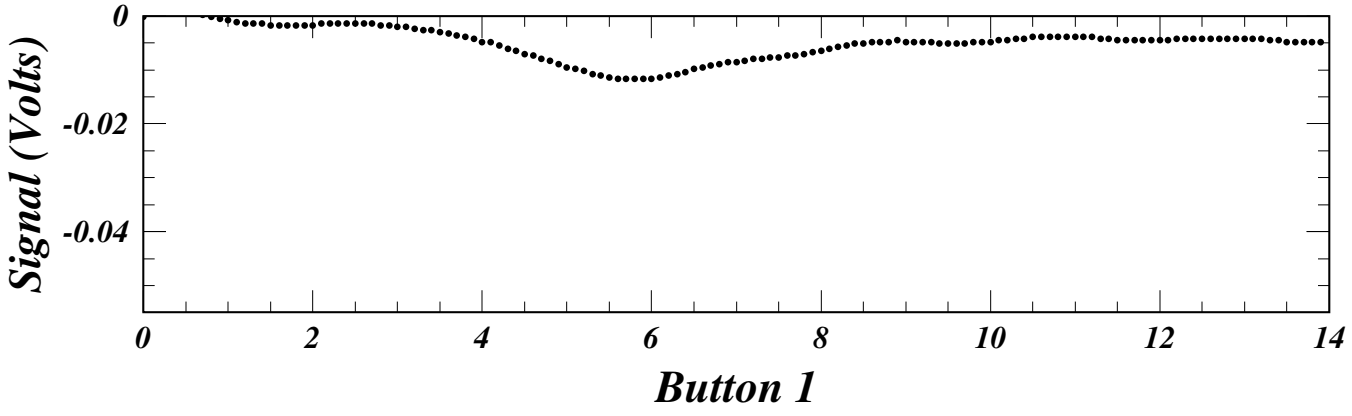
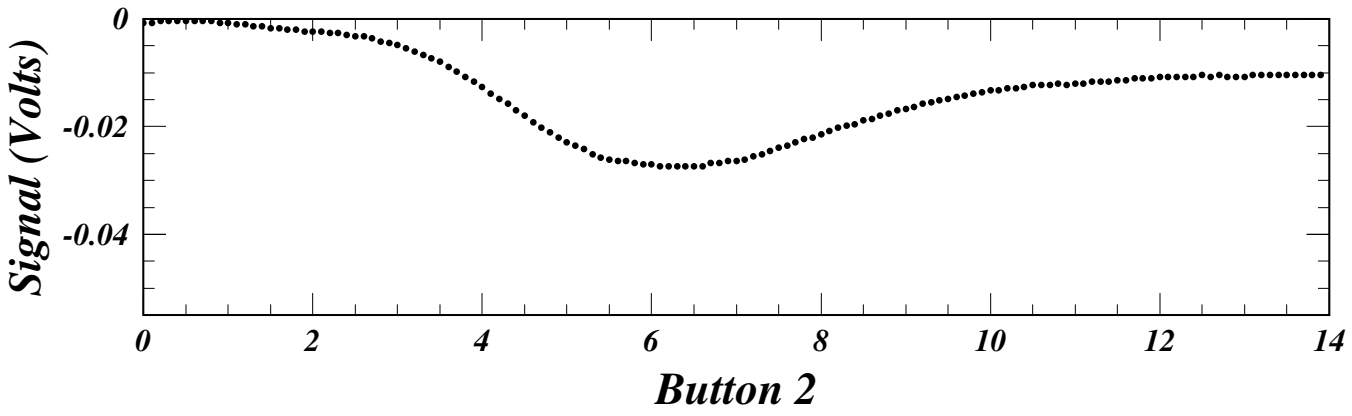
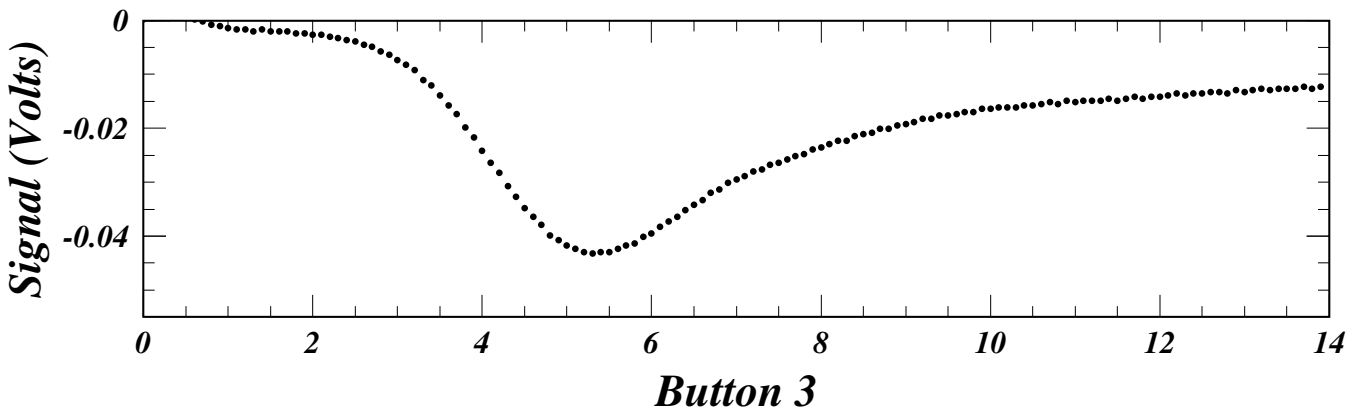
10/07/14 10.57


Job 16591: Button Signal Macroparticles For 0 < T < 14 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)

10/07/14 10.57

15E (TiN) Shielded Button Measurements (3/16/2010, 5.3 GeV, 8 mA bunch)





15E (Carbon) SPU Measurements (6/8/2010, 5.3 GeV, 1 mA bunch, 20 G)