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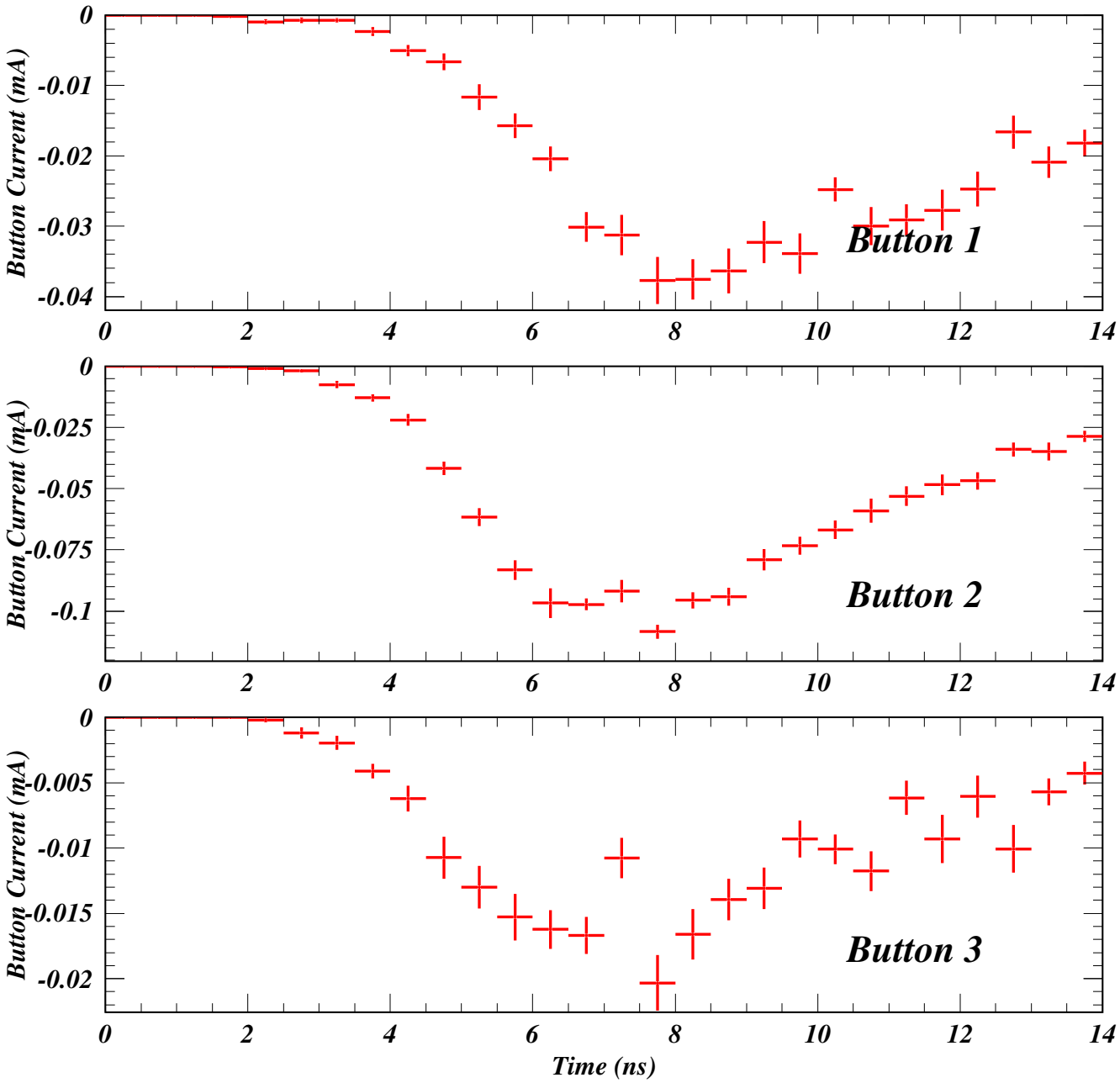
Job 16625: Shielded Button Simulation



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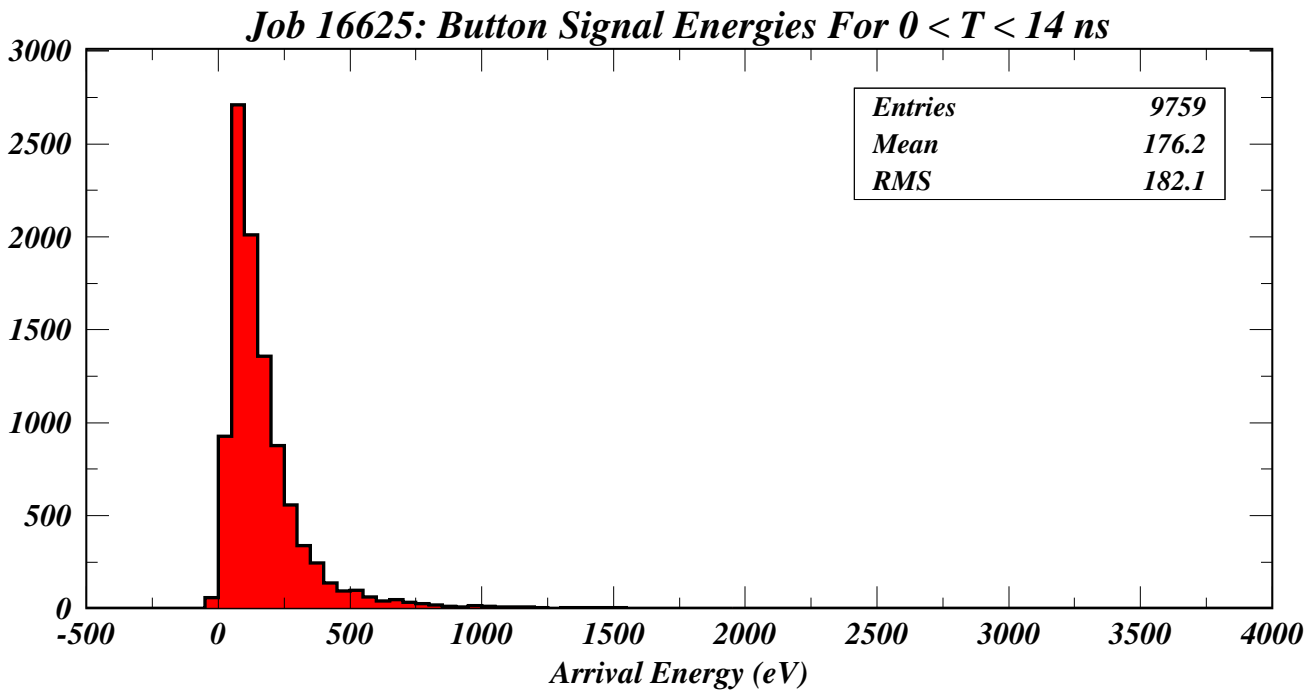
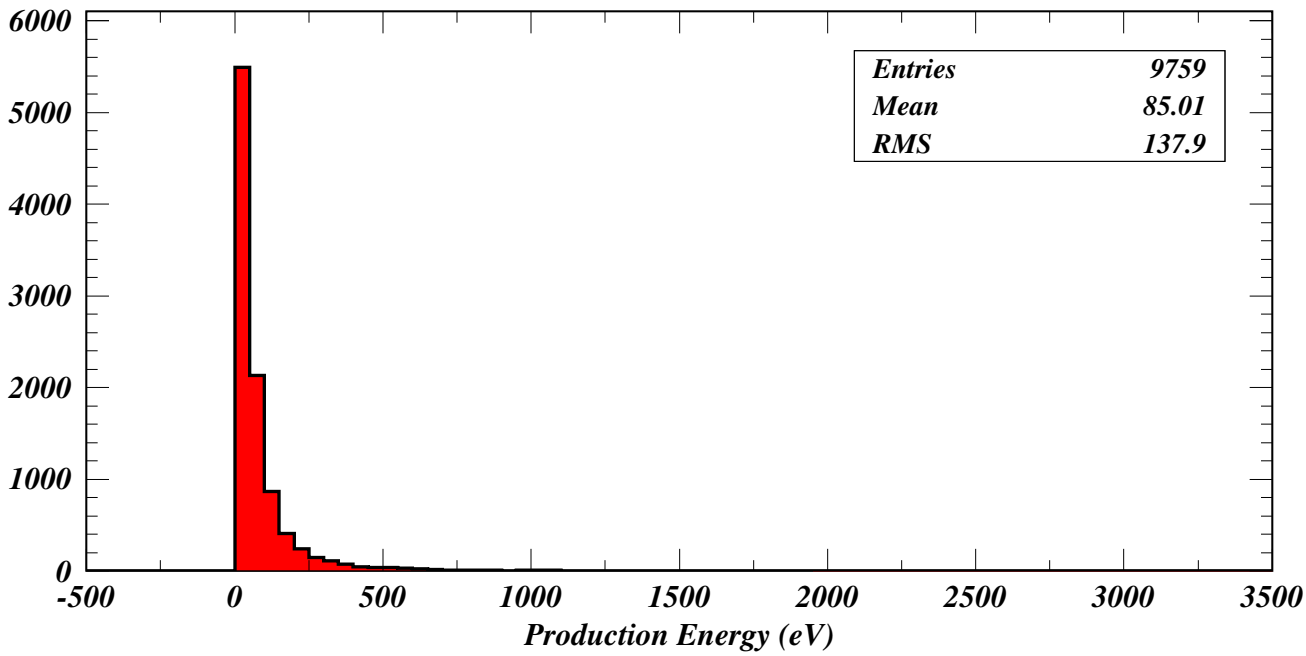

Job 16625: Button Signal Energies For 0 < T < 14 ns
Entries 9759
Mean 176.2
RMS 182.1
3000
2500
2000
1500
1000
500
0
-500
0
500
1000
1500
2000
2500
3000
3500
4000
Arrival Energy (eV)


Entries 9759
Mean 85.01
RMS 137.9
6000
5000
4000
3000
2000
1000
0
-500
0
500
1000
1500
2000
2500
3000
3500
Production Energy (eV)

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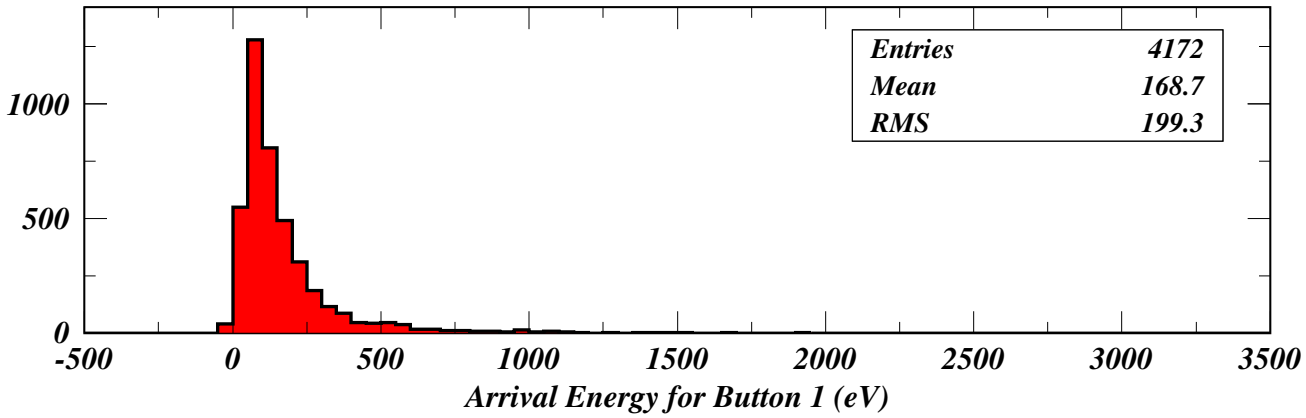
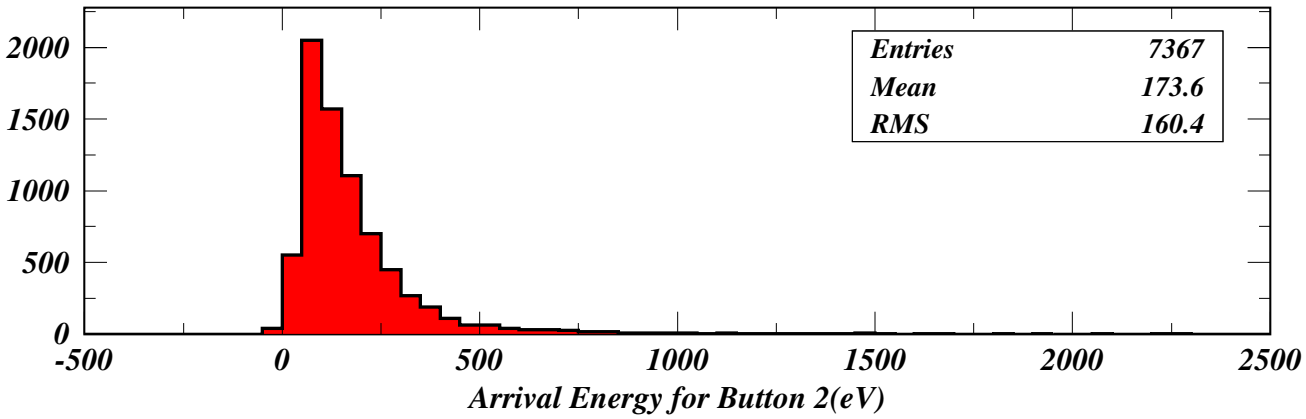
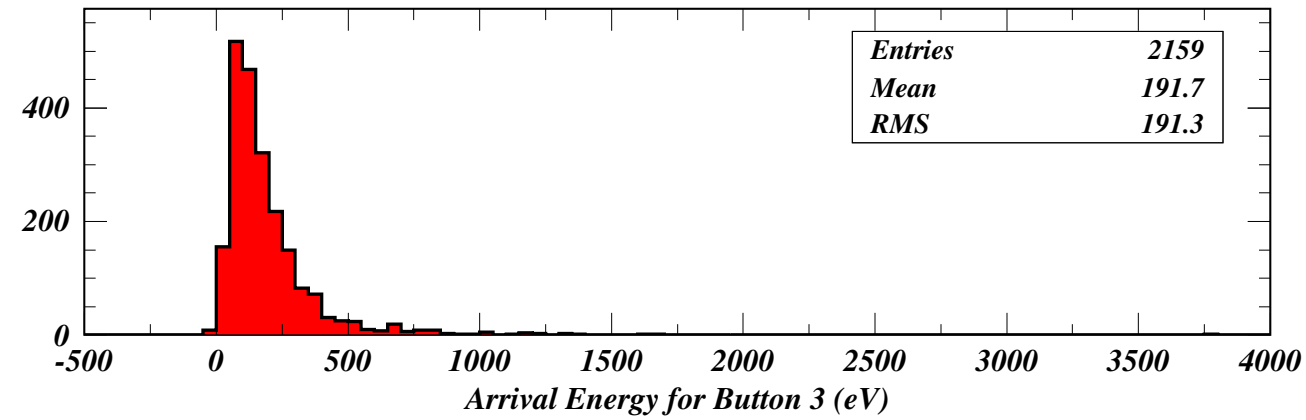
Job 16625: Button Signal Energies For 0 < T < 14 ns







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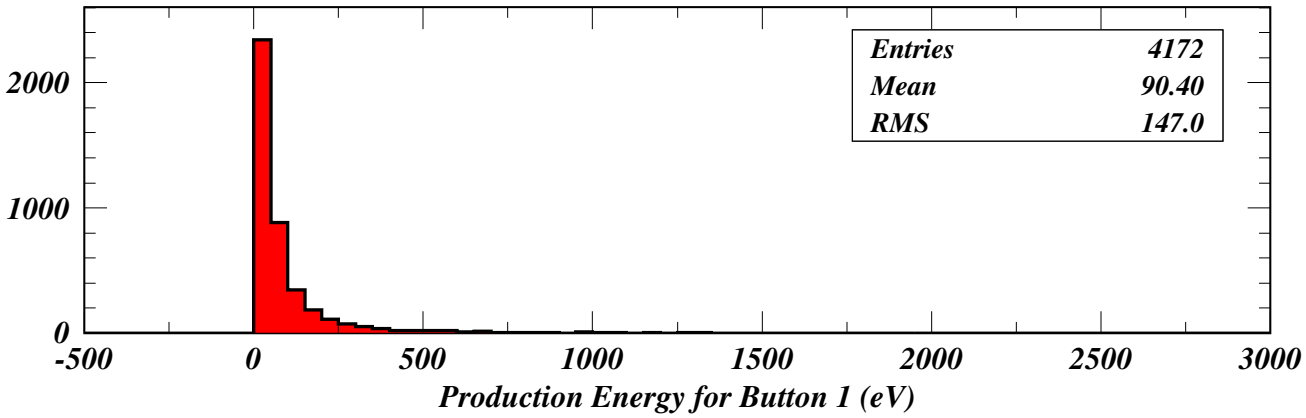
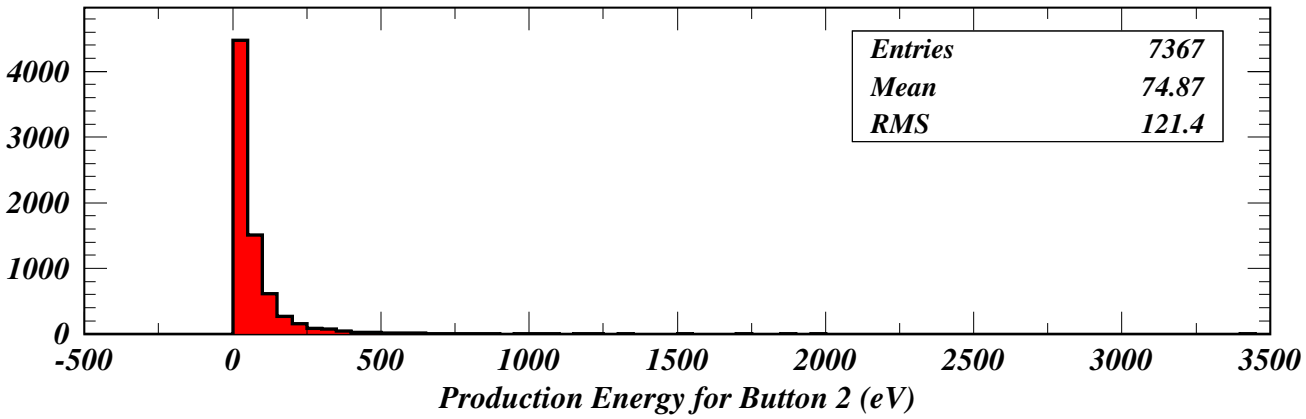
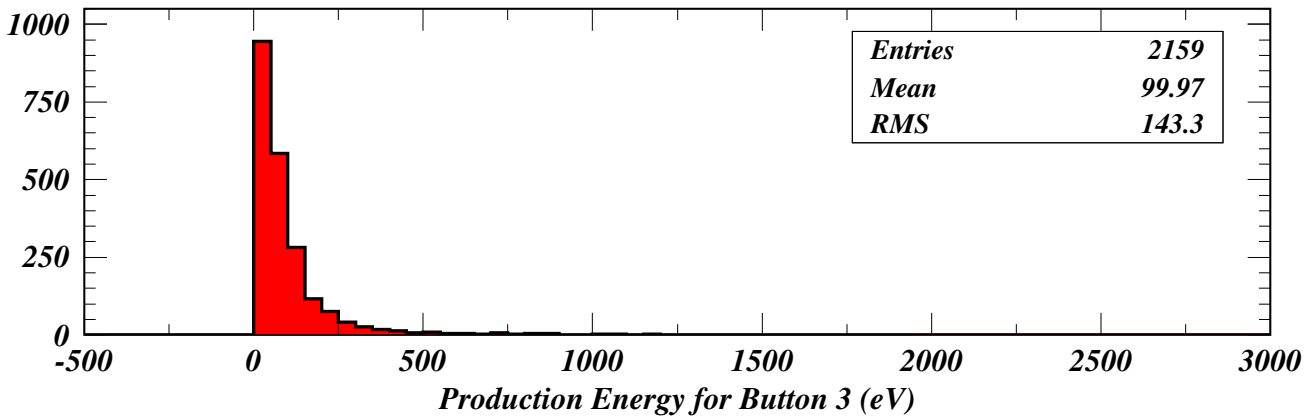
Job 16625: Button Signal Energies For 0 < T < 14 ns

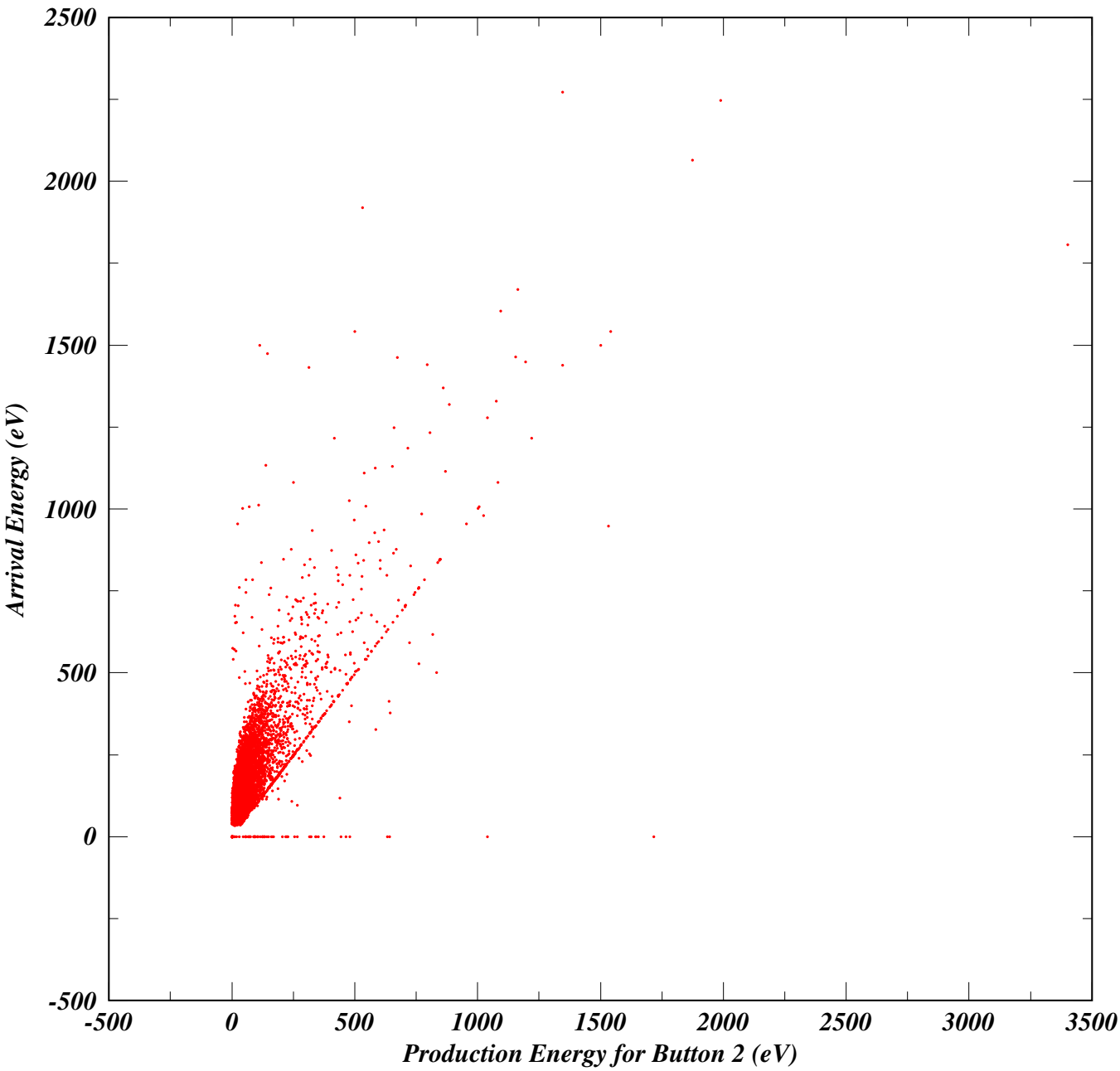






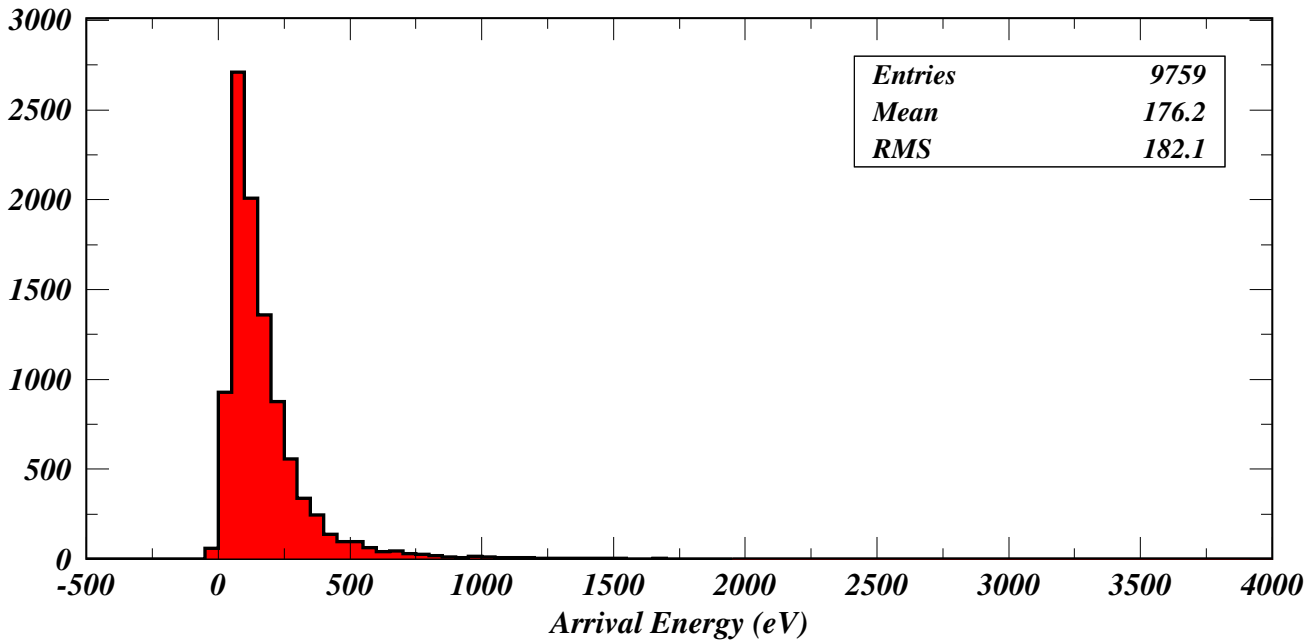
10/07/15 16.40

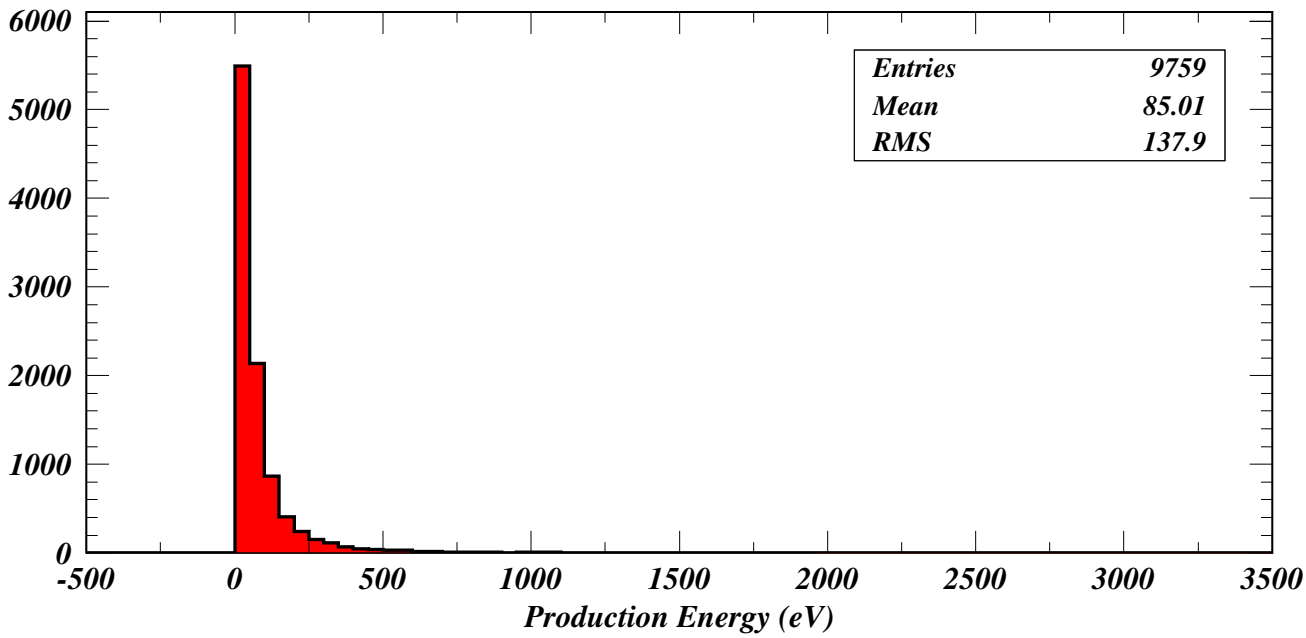
Job 16625: Button Signal Energies For 0 < T < 14 ns



10/07/15 16.40

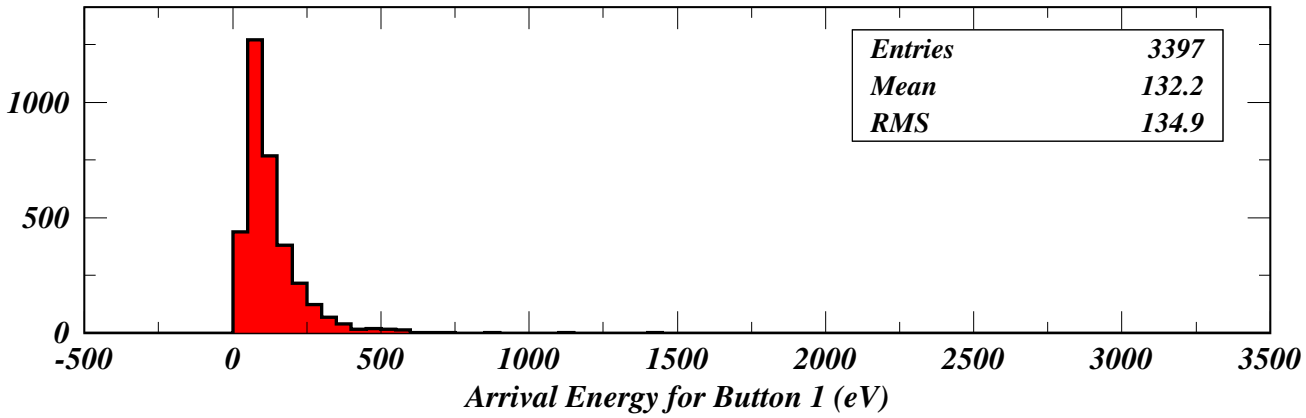
Job 16625: Button Signal Energies For 0 < T < 14 ns: Primaries Only

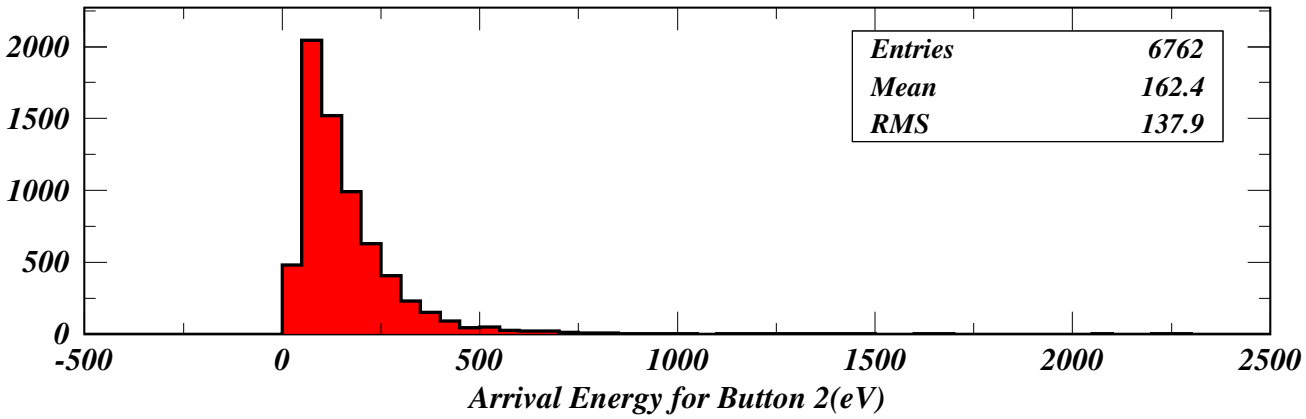


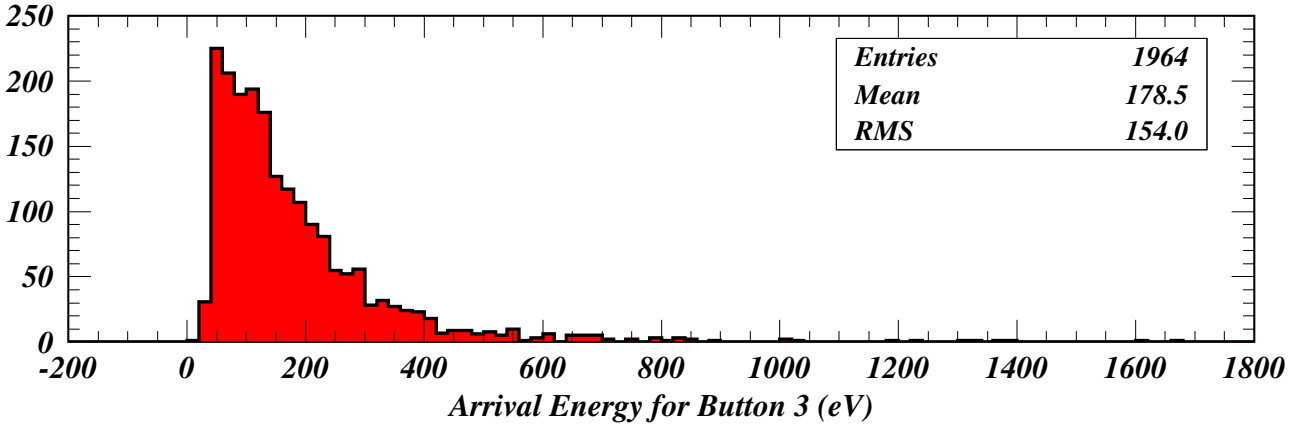


10/07/15 16.40

Job 16625: Button Signal Energies For 0 < T < 14 ns: Primaries Only

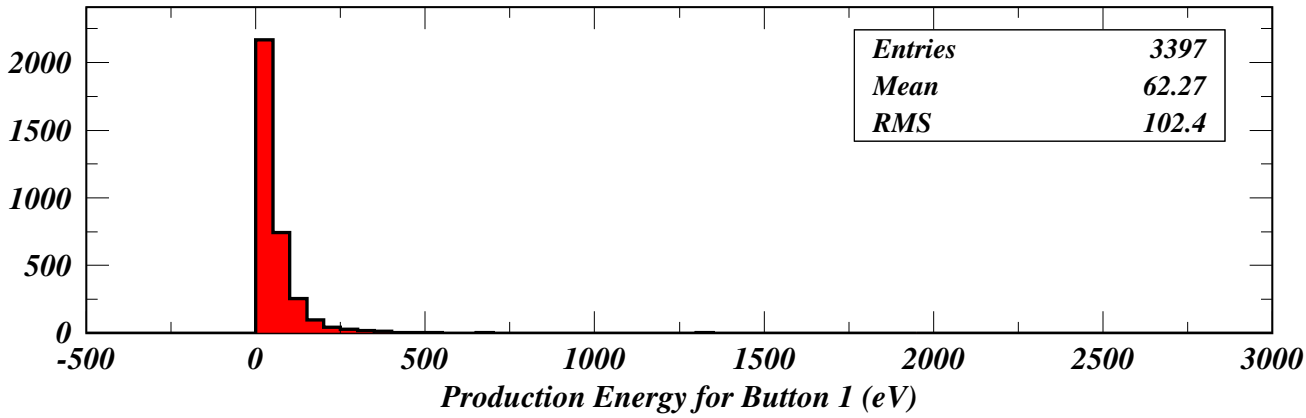


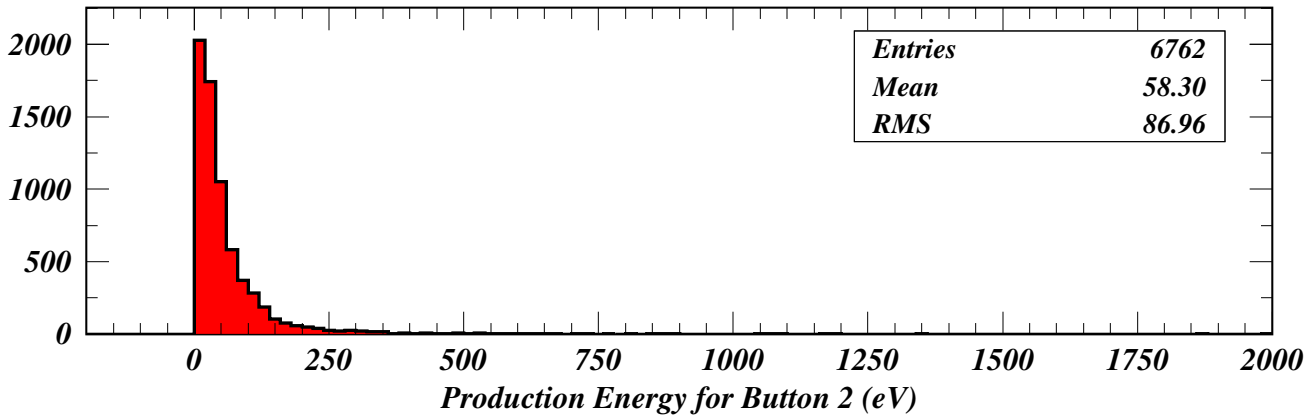


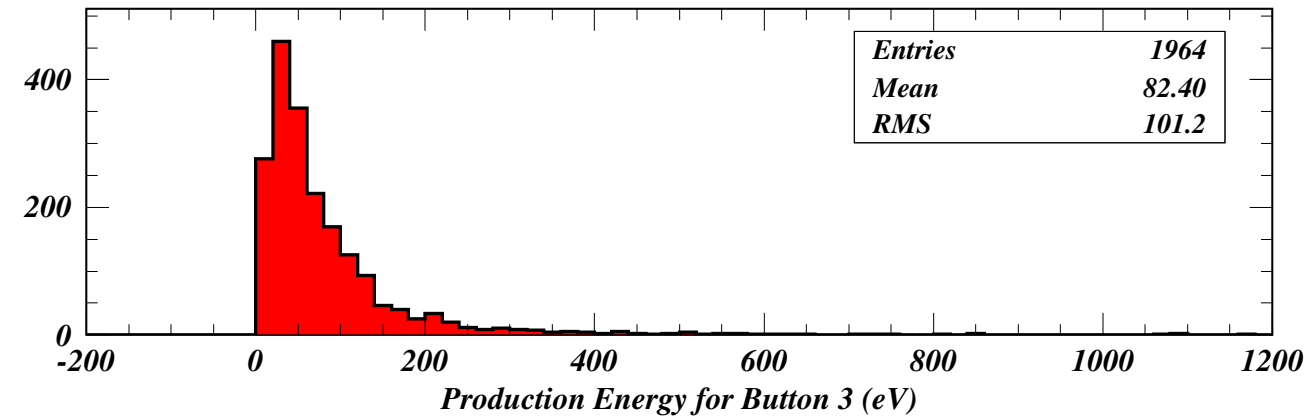


10/07/15 16.40

Job 16625: Button Signal Energies For 0 < T < 14 ns: Primaries Only







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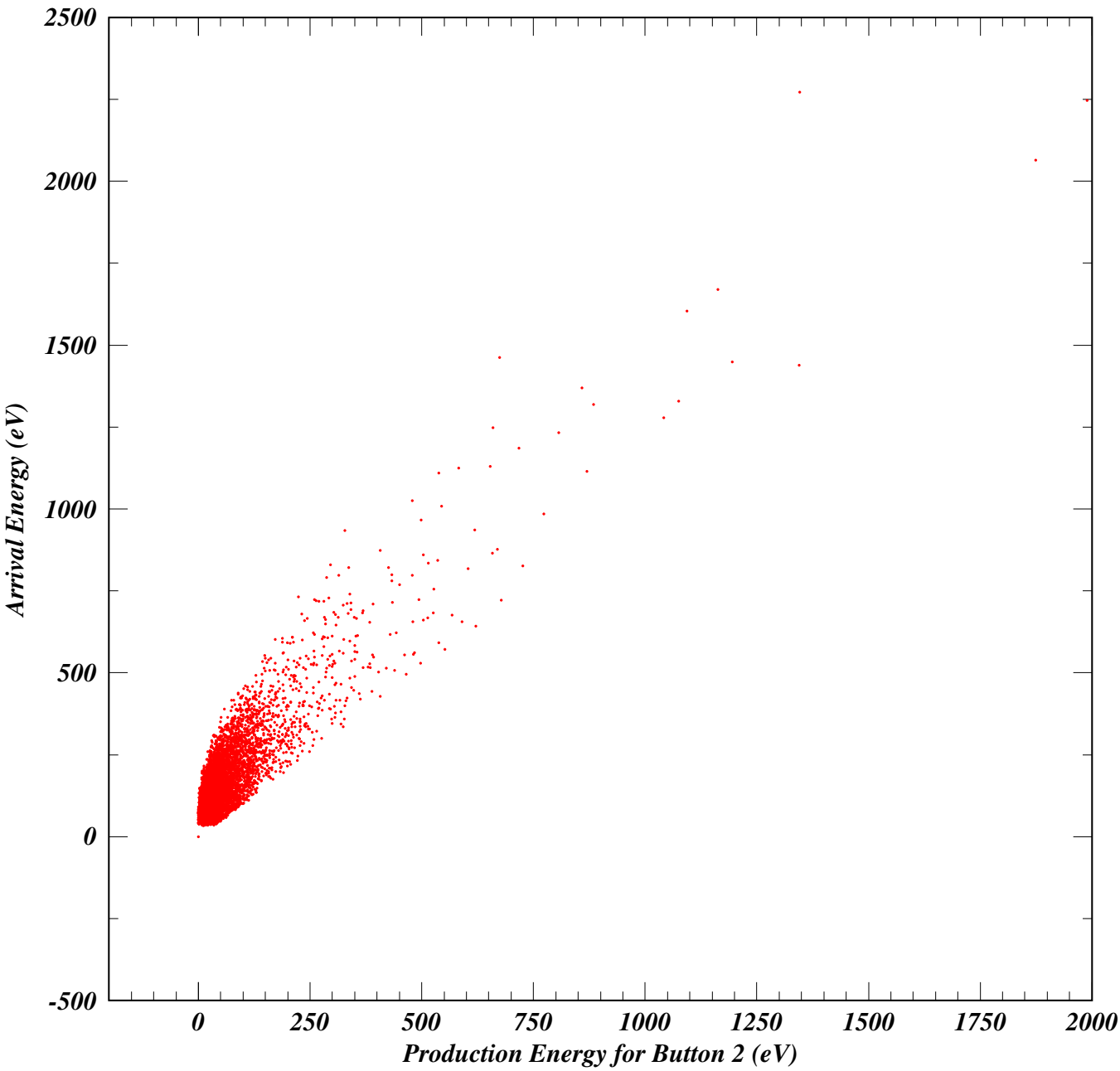
Job 16625: Button Signal Energies For 0 < T < 14 ns: Primaries Only



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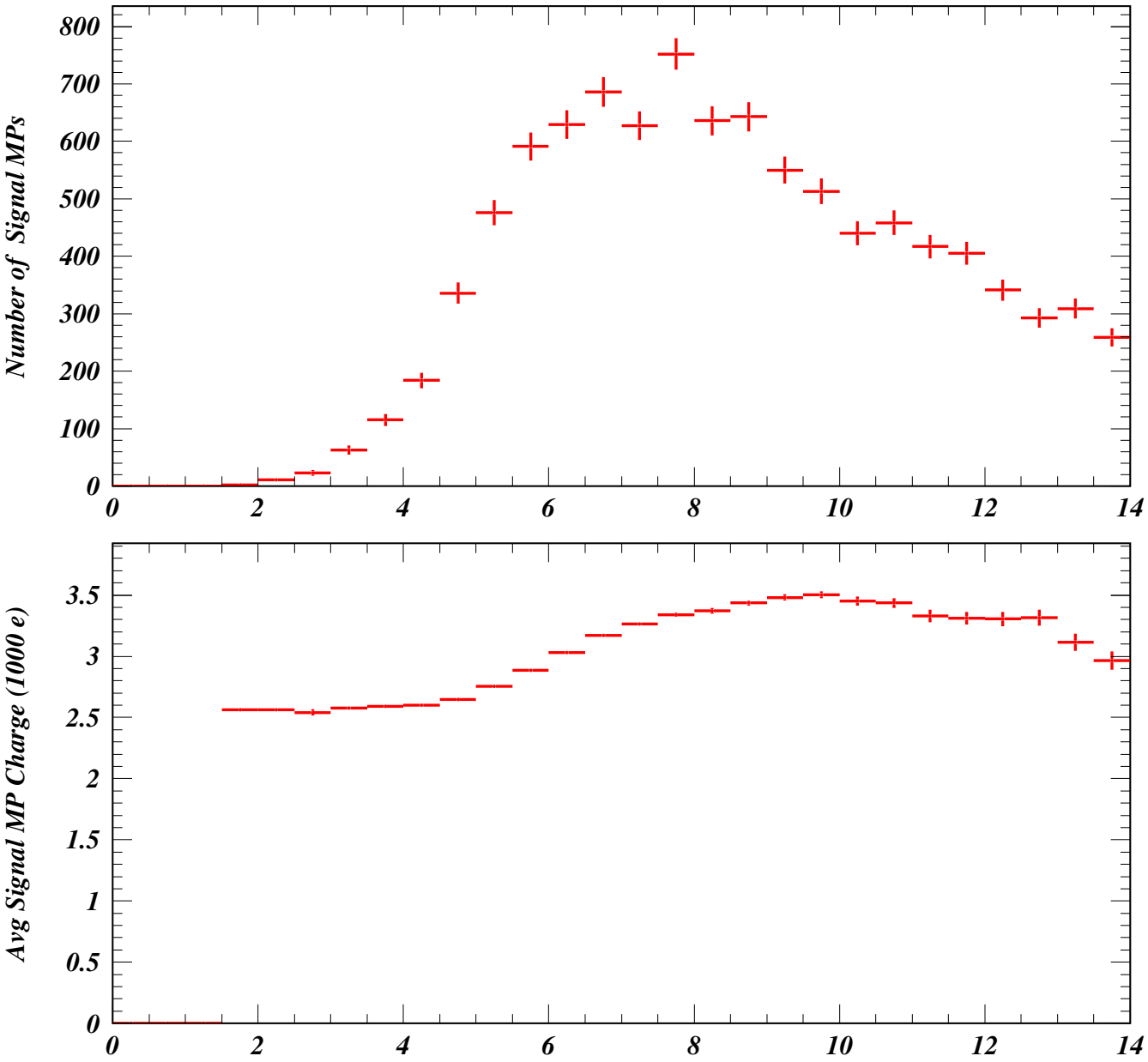
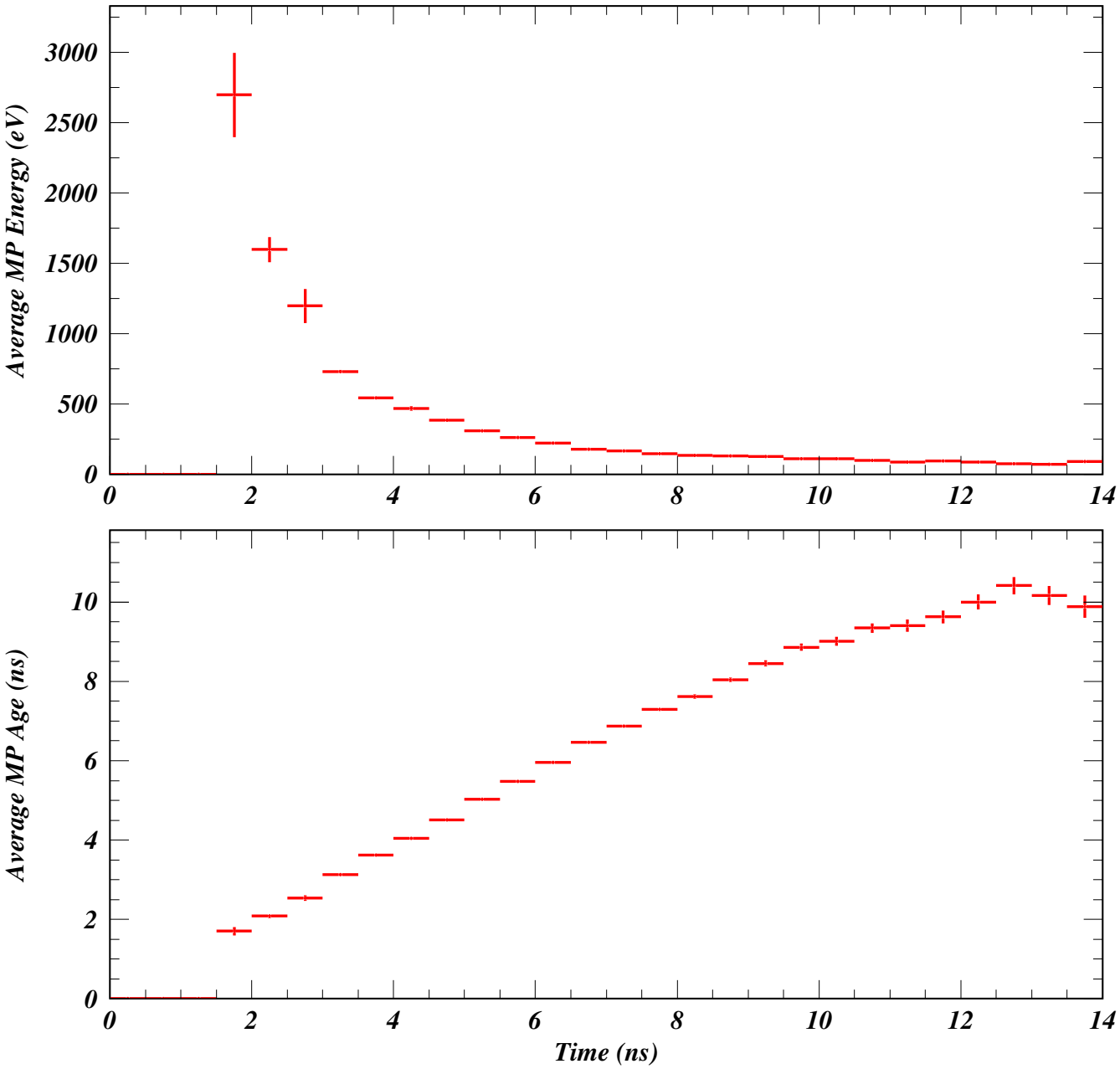
Job 16625: Button Signal Macroparticles For 0 < T < 14 ns

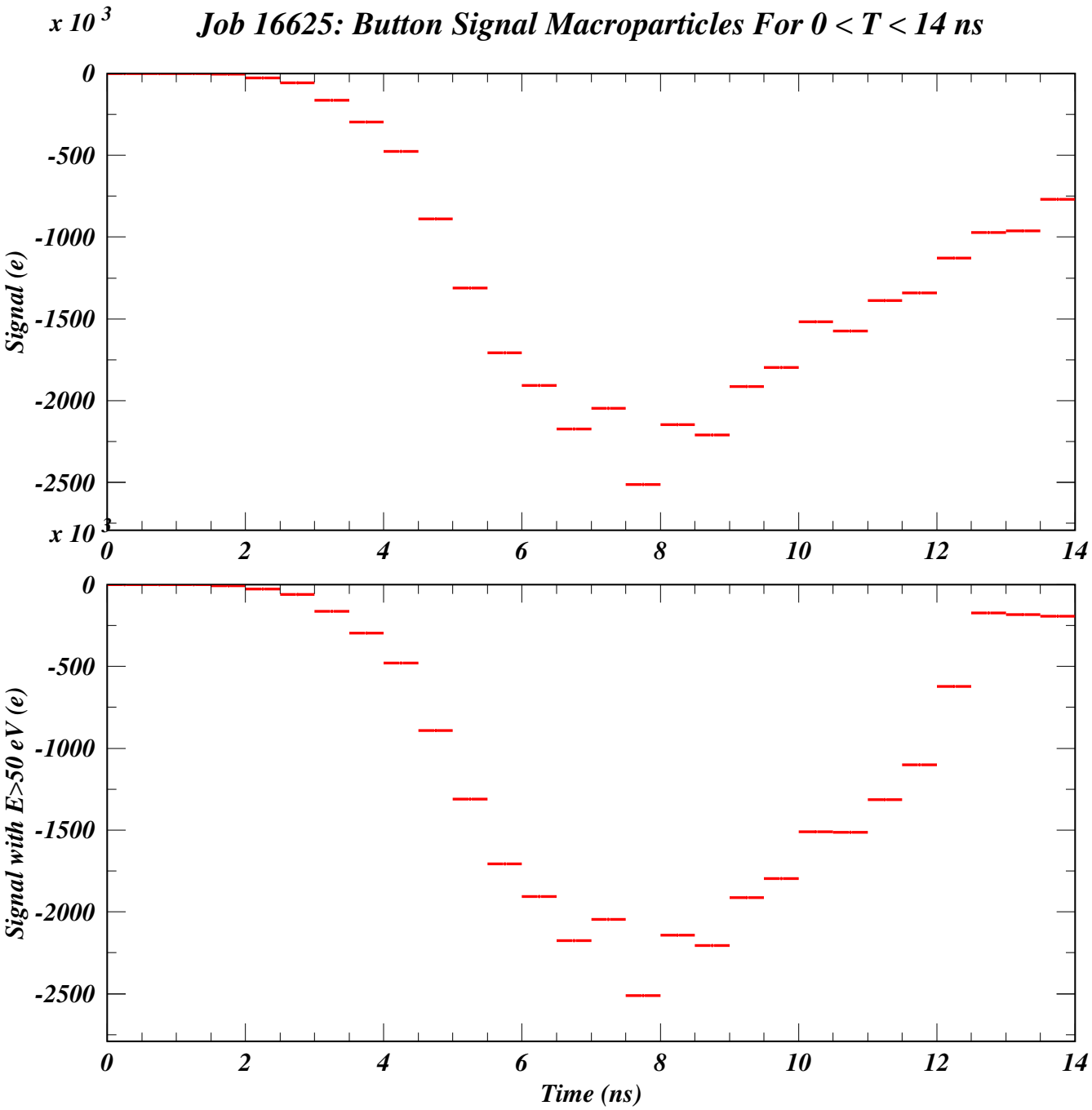


10/07/15 16.40

Job 16625: Button Signal Macroparticles For 0 < T < 14 ns



10/07/15 16.40


x 10 3
Job 16625: Button Signal Macroparticles For 0 < T < 14 ns
Signal (e)
0
-500
-1000
-1500
-2000
-2500
x 10 3
0
2
4
6
8
10
12
14
Signal with E>50 eV (e)
0
-500
-1000
-1500
-2000
-2500
0
2
4
6
8
10
12
14
Time (ns)

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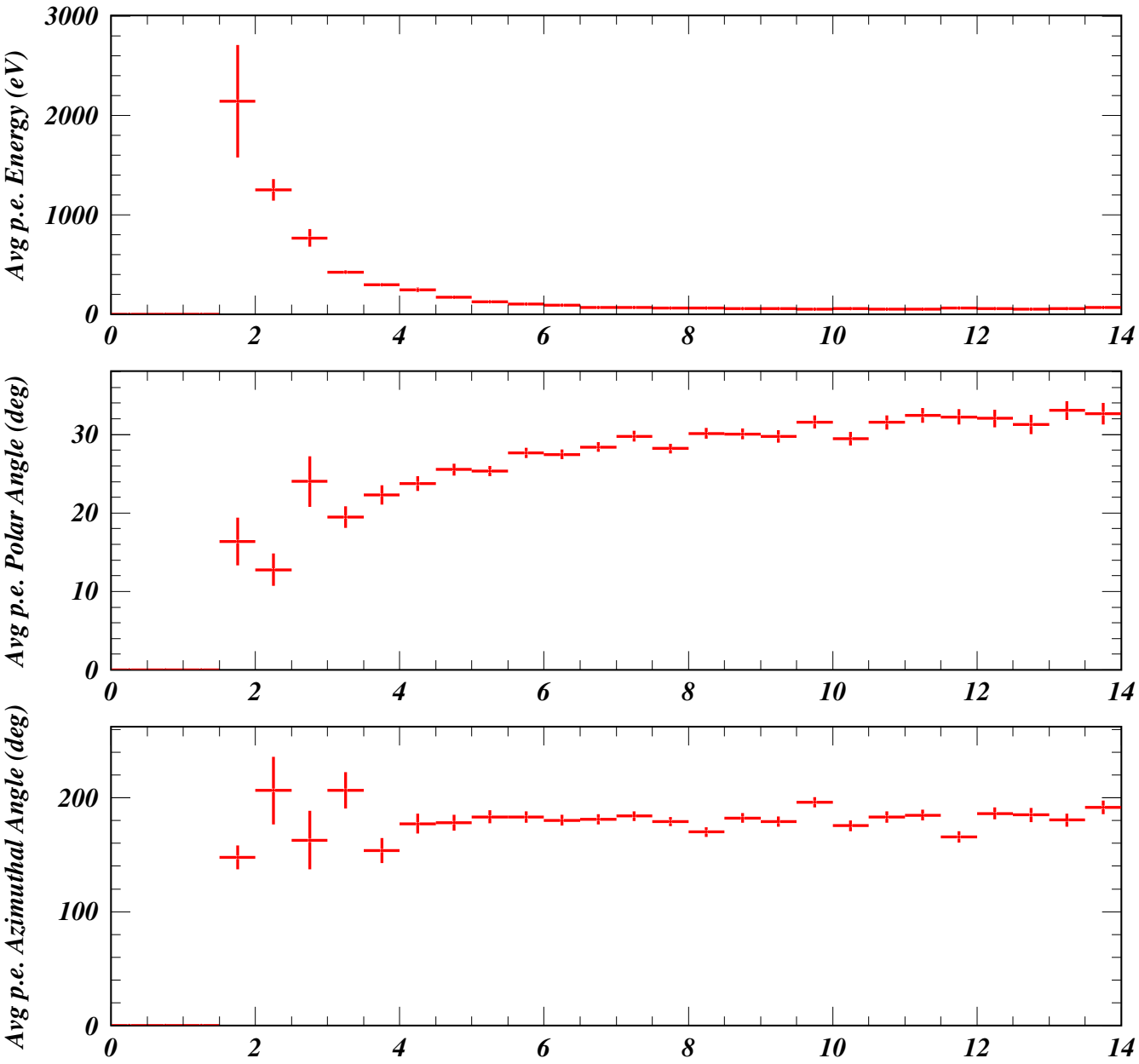
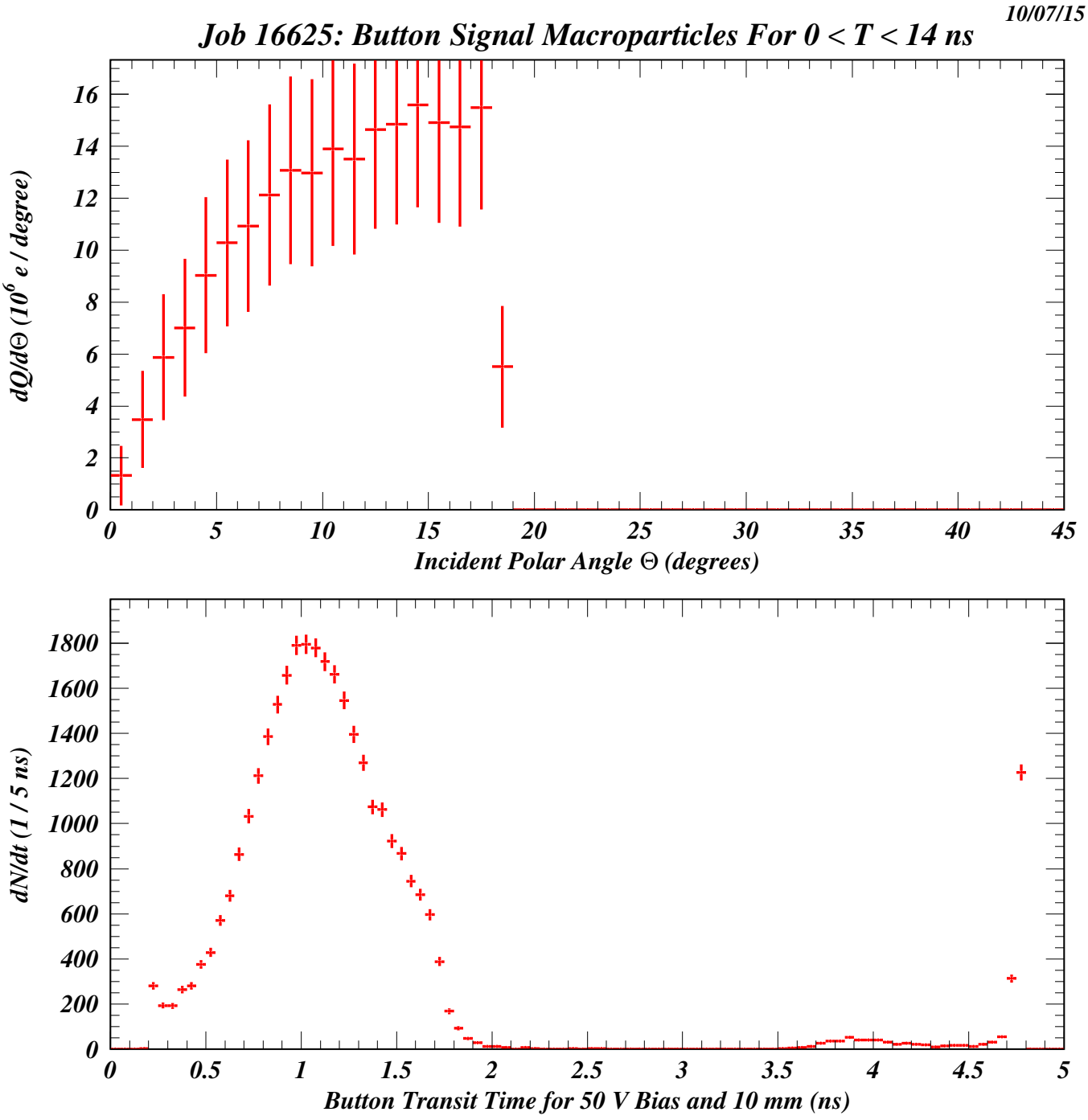
Job 16625: Button Signal Macroparticles For 0 < T < 14 ns

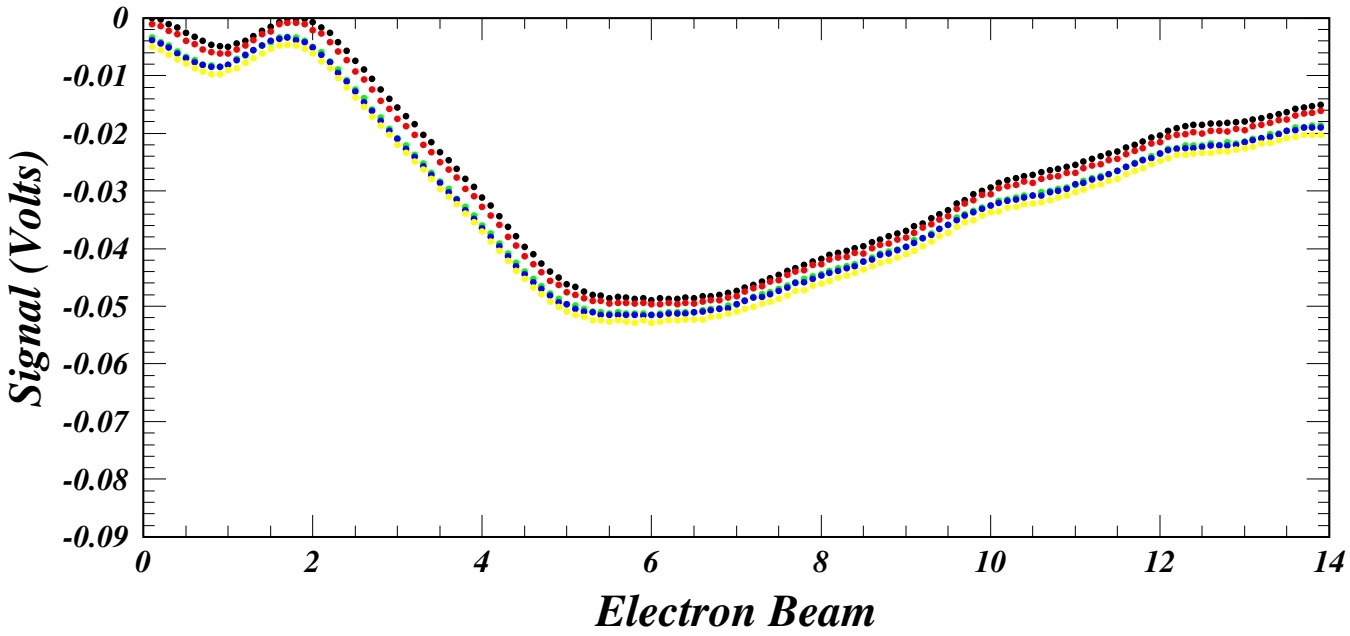


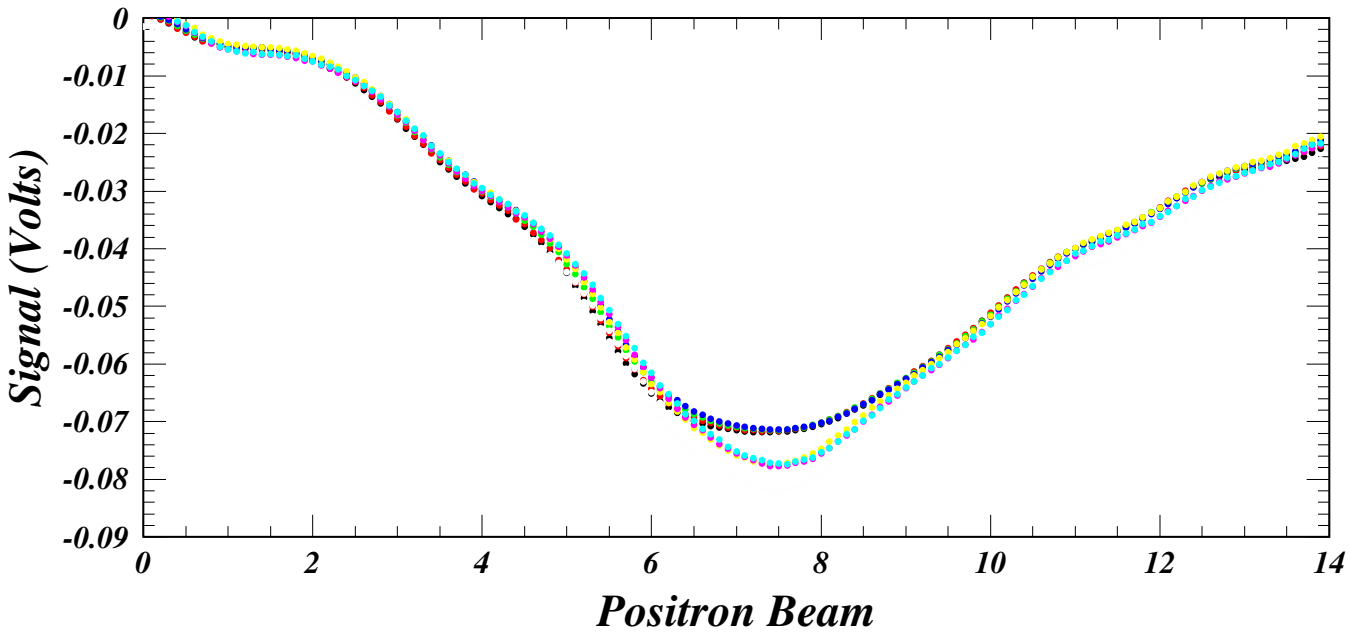
10/07/15 16.40

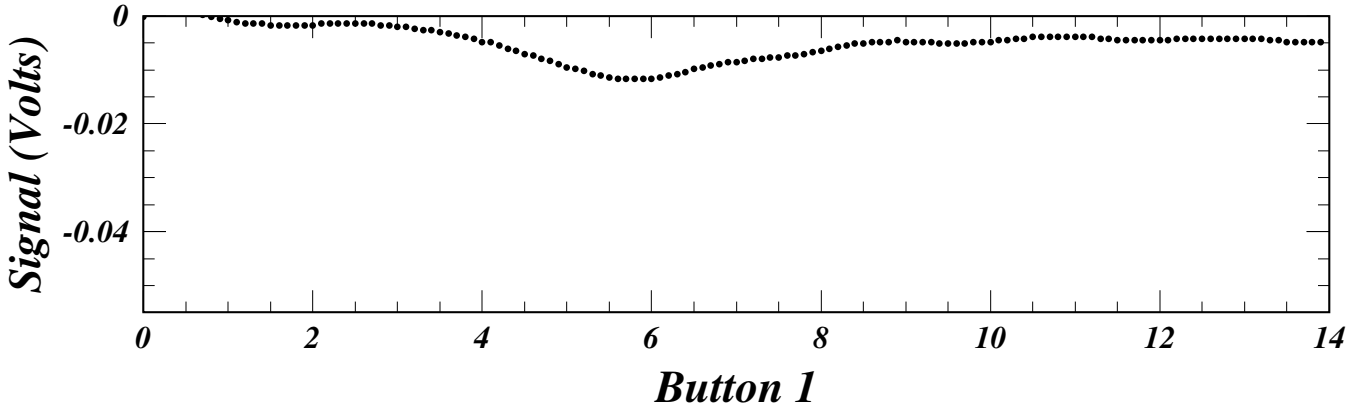
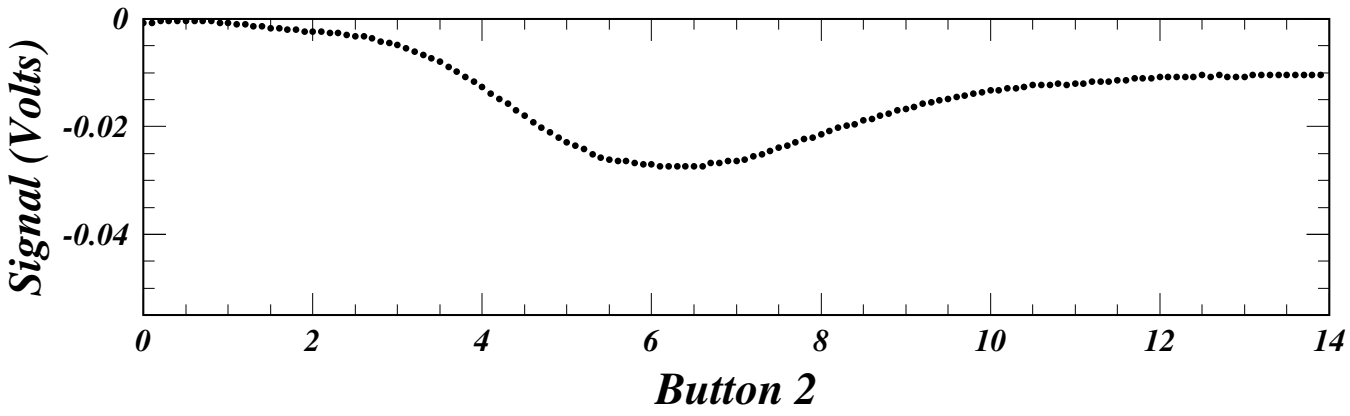
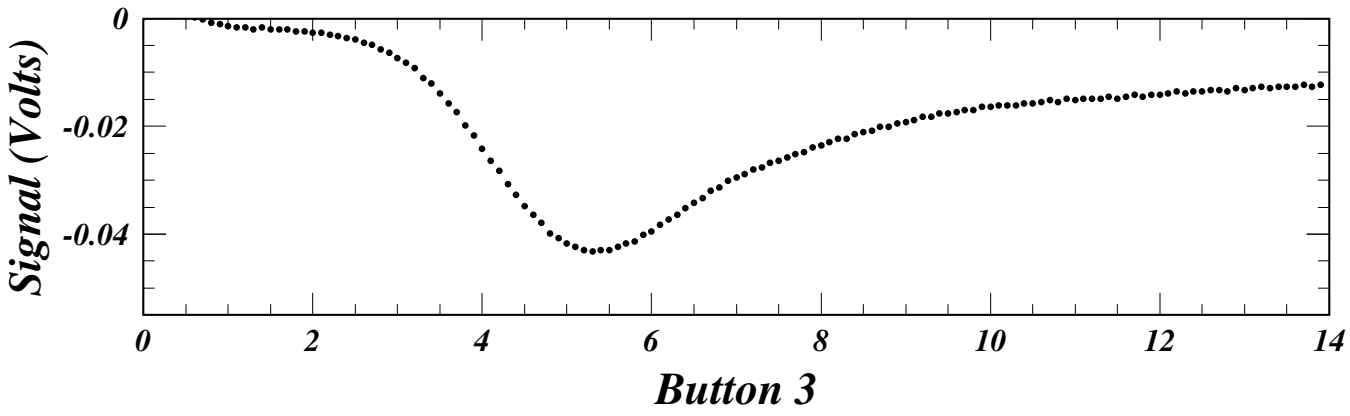

Job 16625: Button Signal Macroparticles For 0 < T < 14 ns
dQ/dΘ (10^6 e / degree)
Incident Polar Angle Θ (degrees)
dN/dt (1 / 5 ns)
Button Transit Time for 50 V Bias and 10 mm (ns)

10/07/15 16.40

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





10/07/15 16.40

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