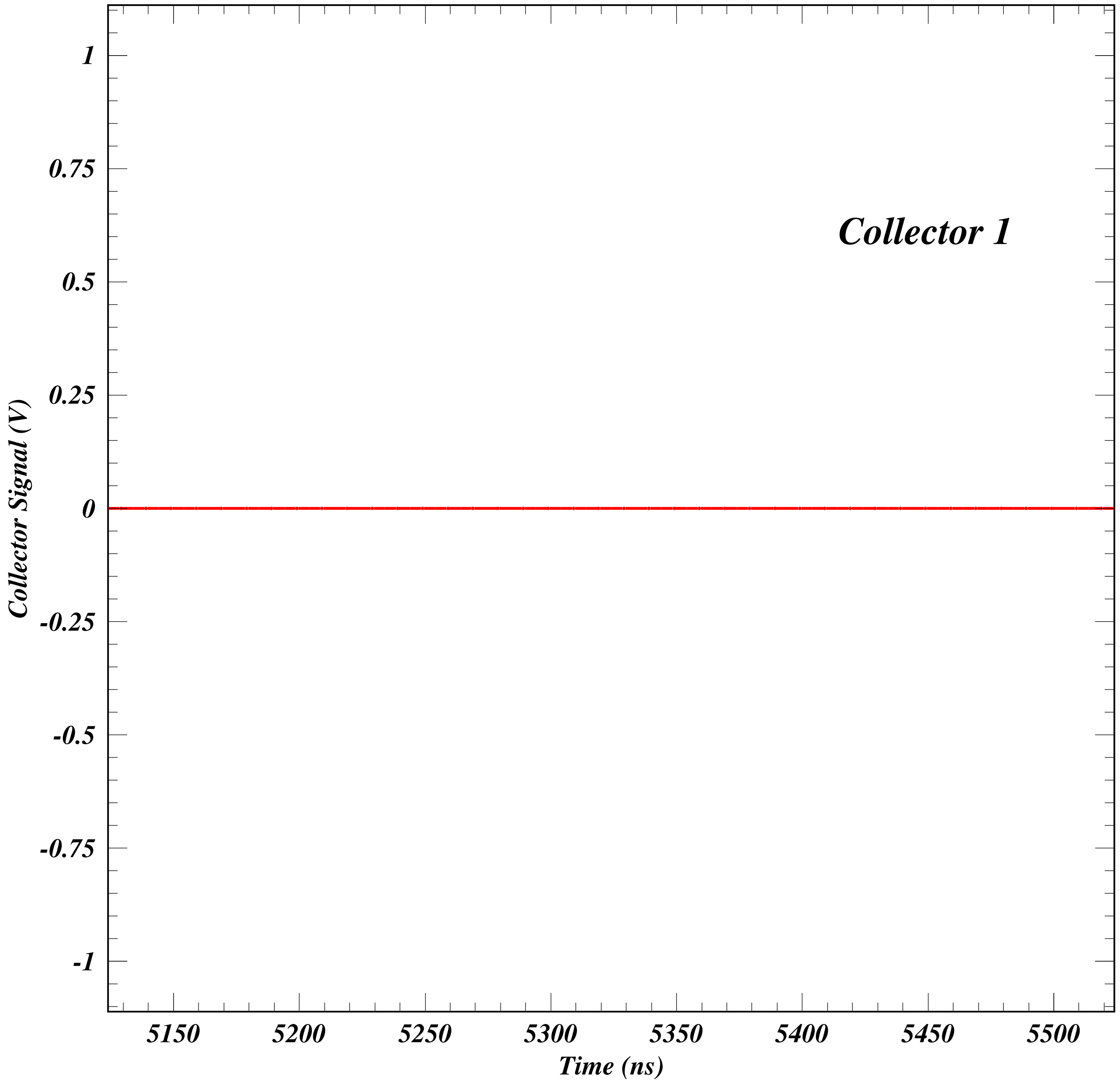
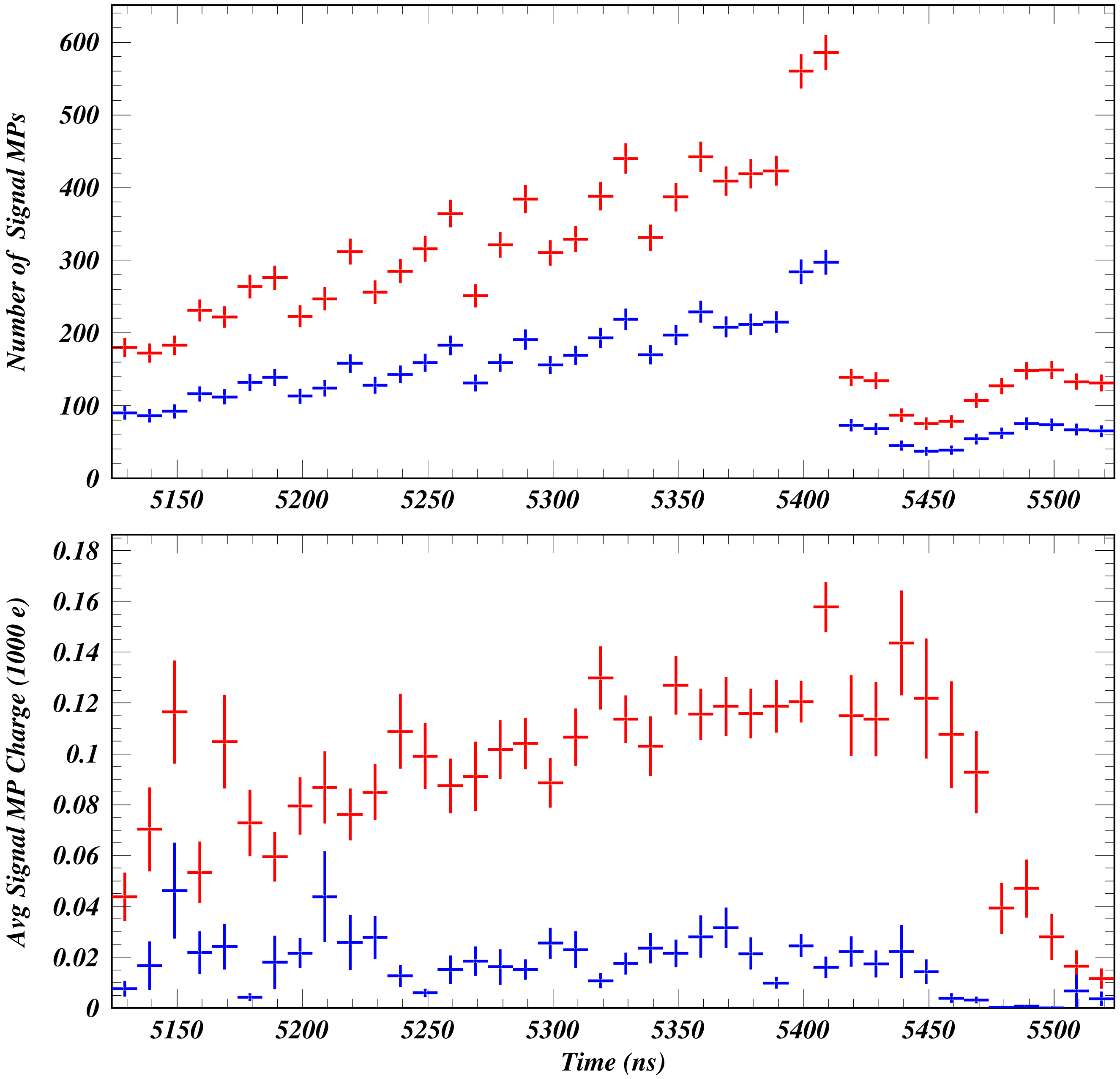
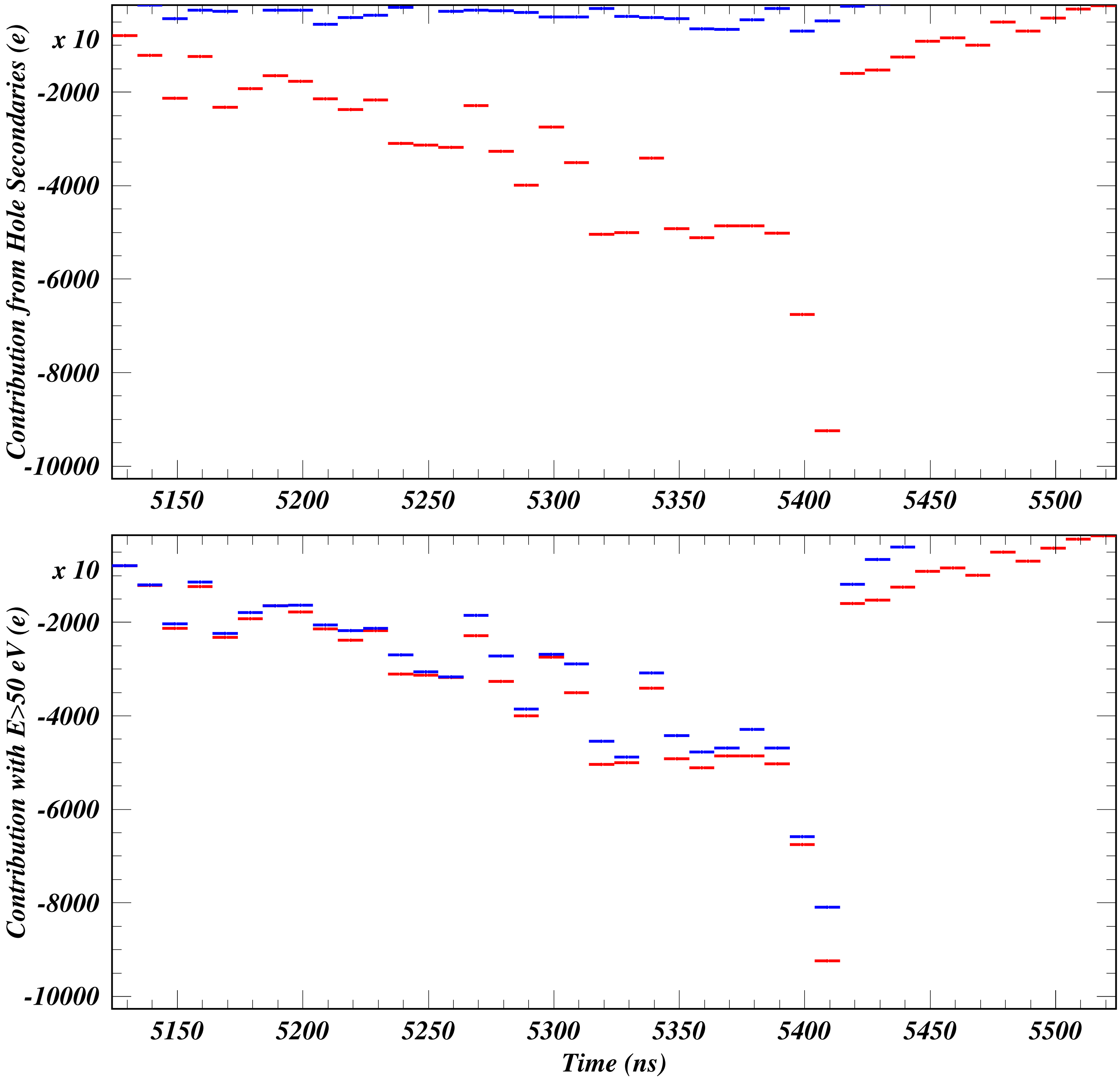
Job 38432: QSPU Simulation



Job 38432: QSPU Simulation



Job 38432: QSPU Simulation



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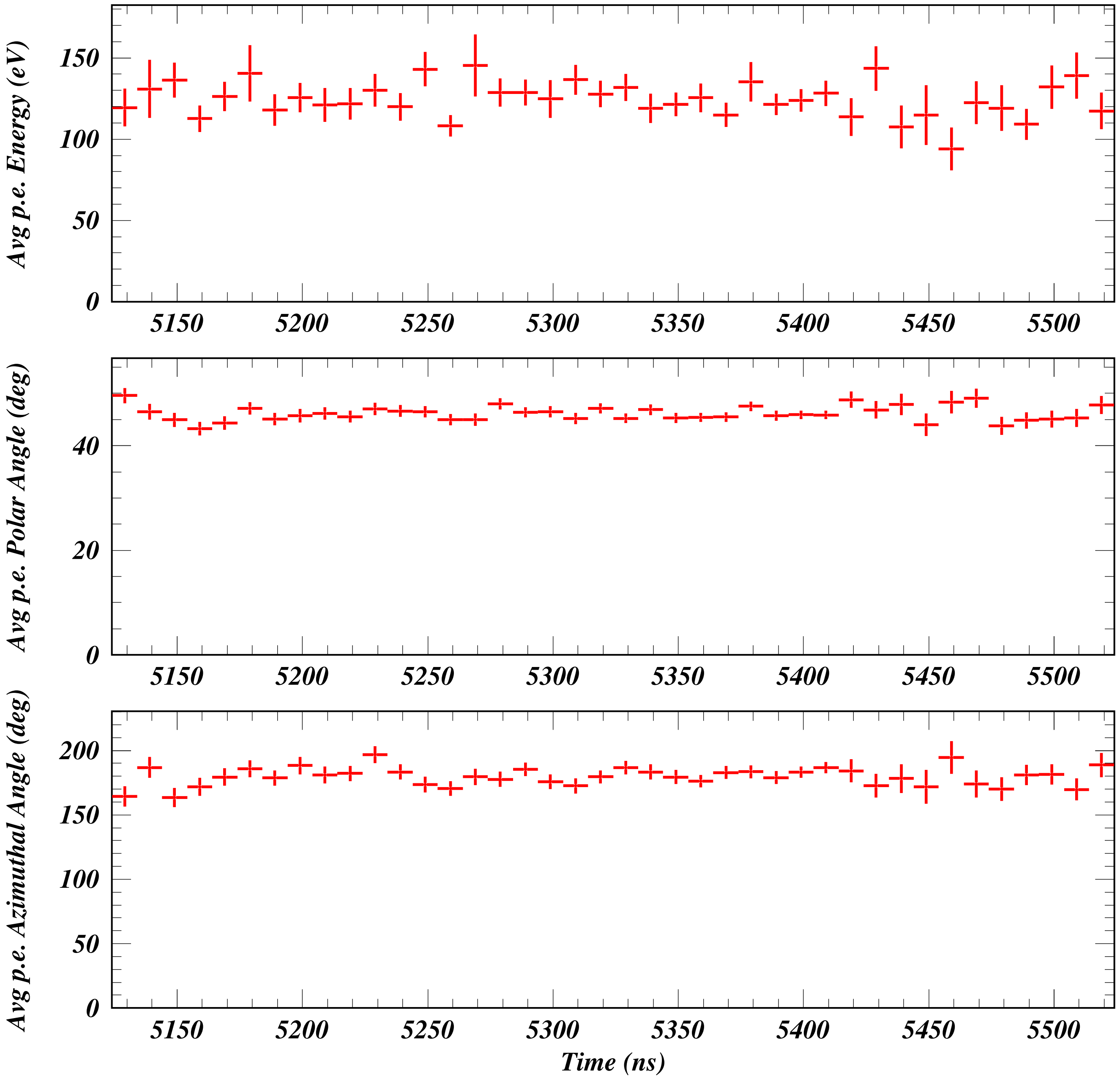
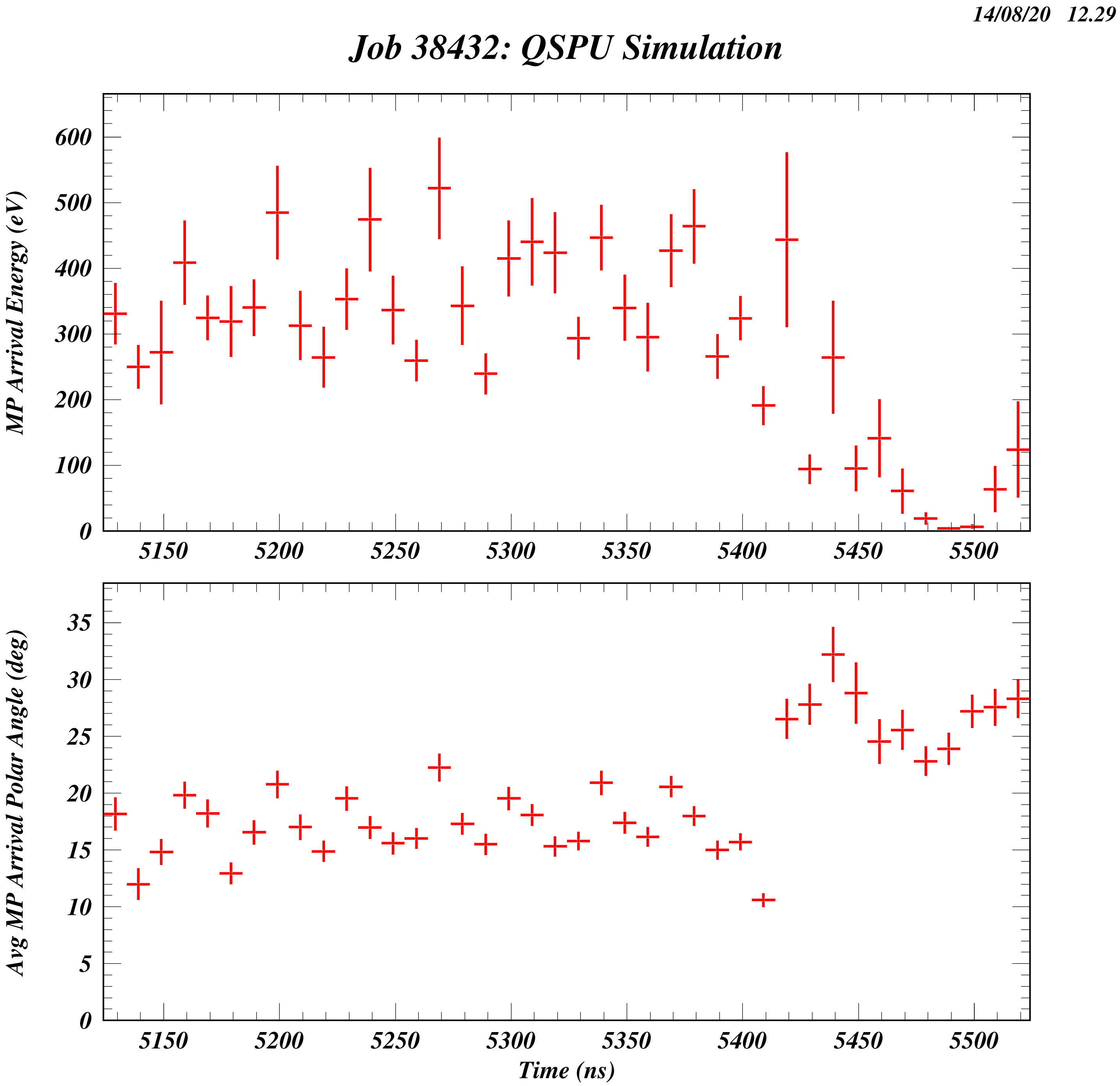
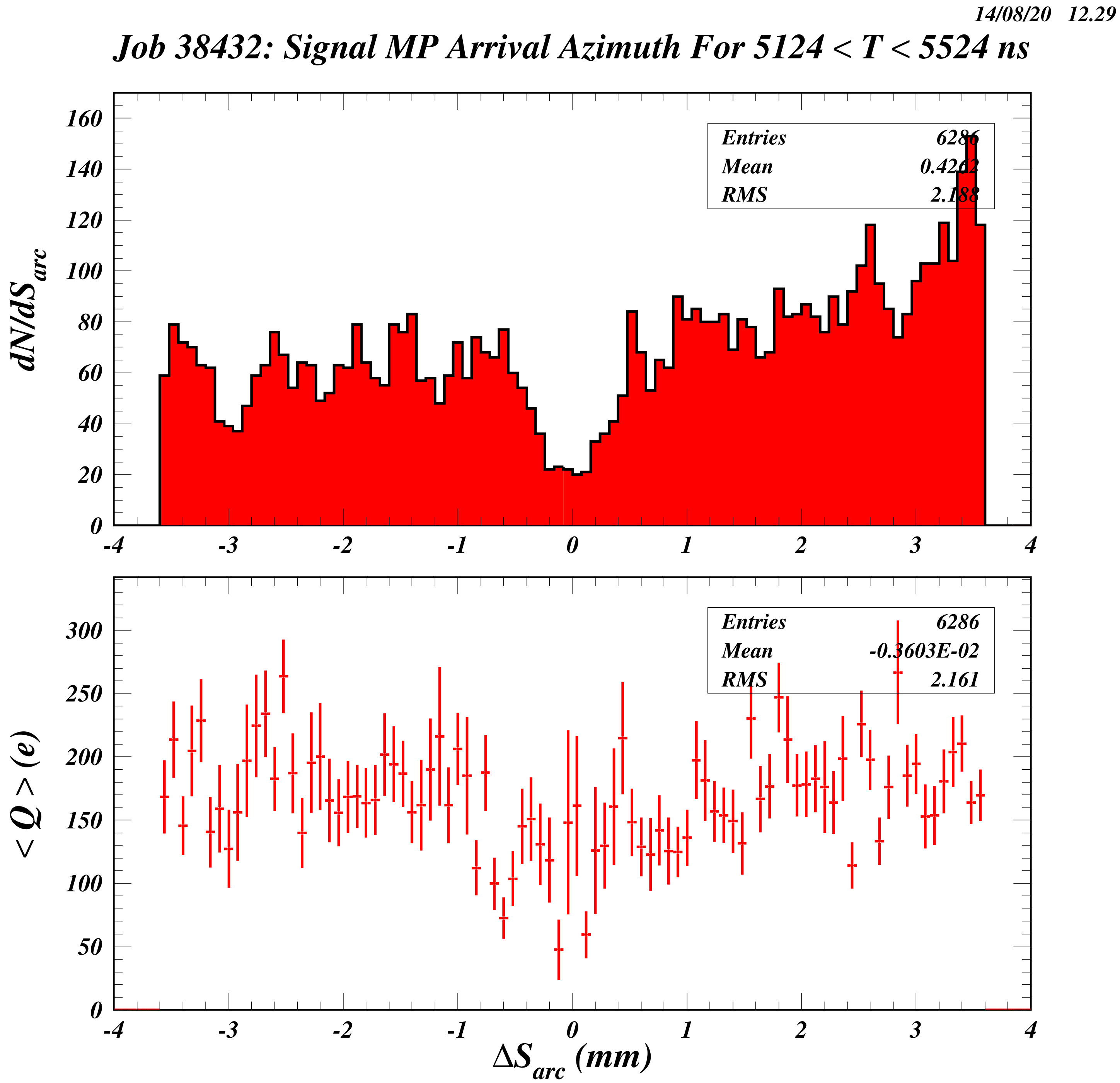
Job 38432: QSPU Simulation




14/08/20 12.29
Job 38432: QSPU Simulation
MP Arrival Energy (eV)
0
100
200
300
400
500
600
5150
5200
5250
5300
5350
5400
5450
5500
Avg MP Arrival Polar Angle (deg)
0
5
10
15
20
25
30
35
5150
5200
5250
5300
5350
5400
5450
5500
Time (ns)



14/08/20 12.29
Job 38432: Signal MP Arrival Azimuth For 5124 < T < 5524 ns
dN/dS_arc
Entries 6286
Mean 0.4262
RMS 2.188
< Q > (e)
Entries 6286
Mean -0.3603E-02
RMS 2.161
ΔS_arc (mm)

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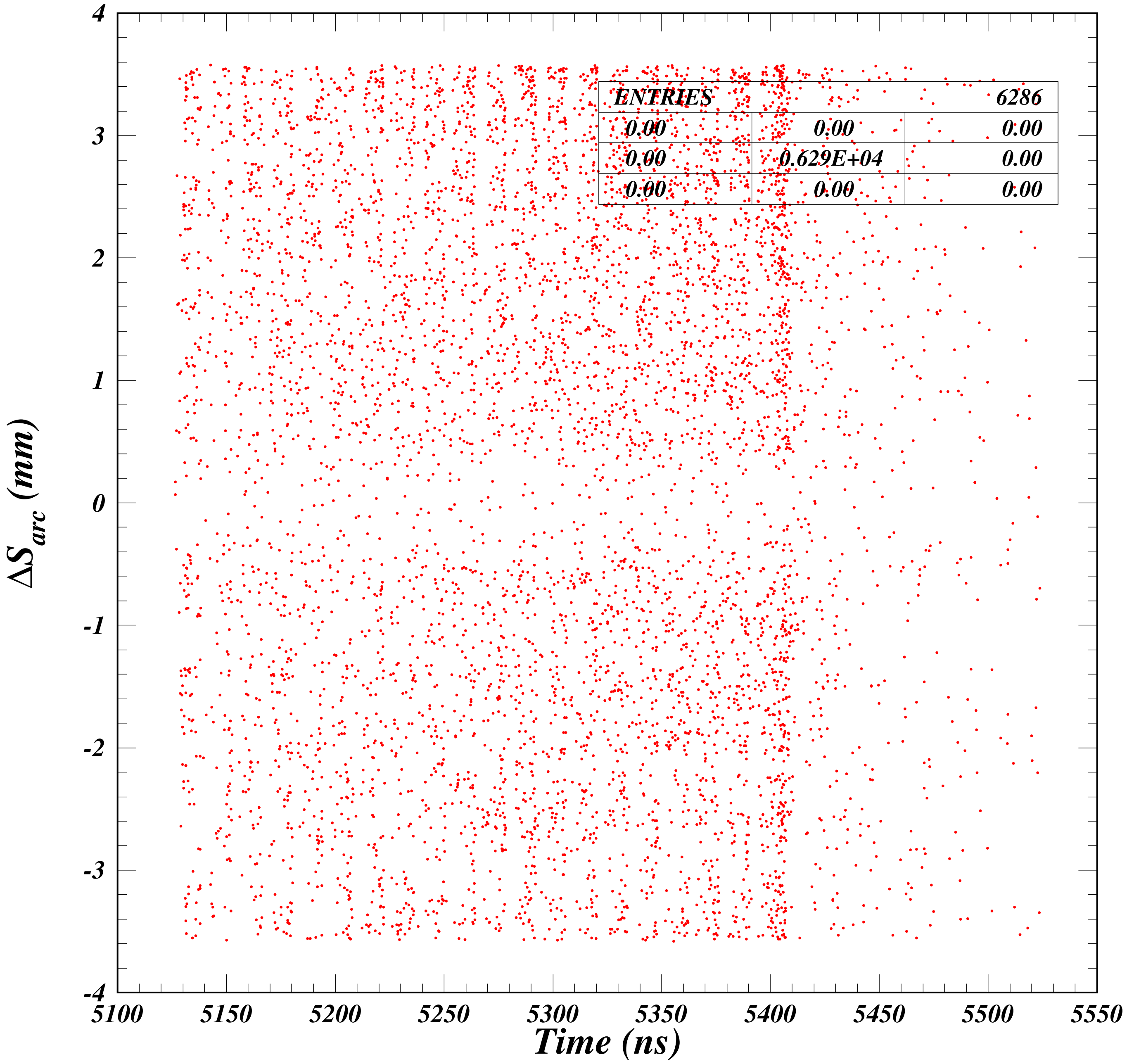
Job 38432: Signal MP Arrival Azimuth For 5124 < T < 5524 ns



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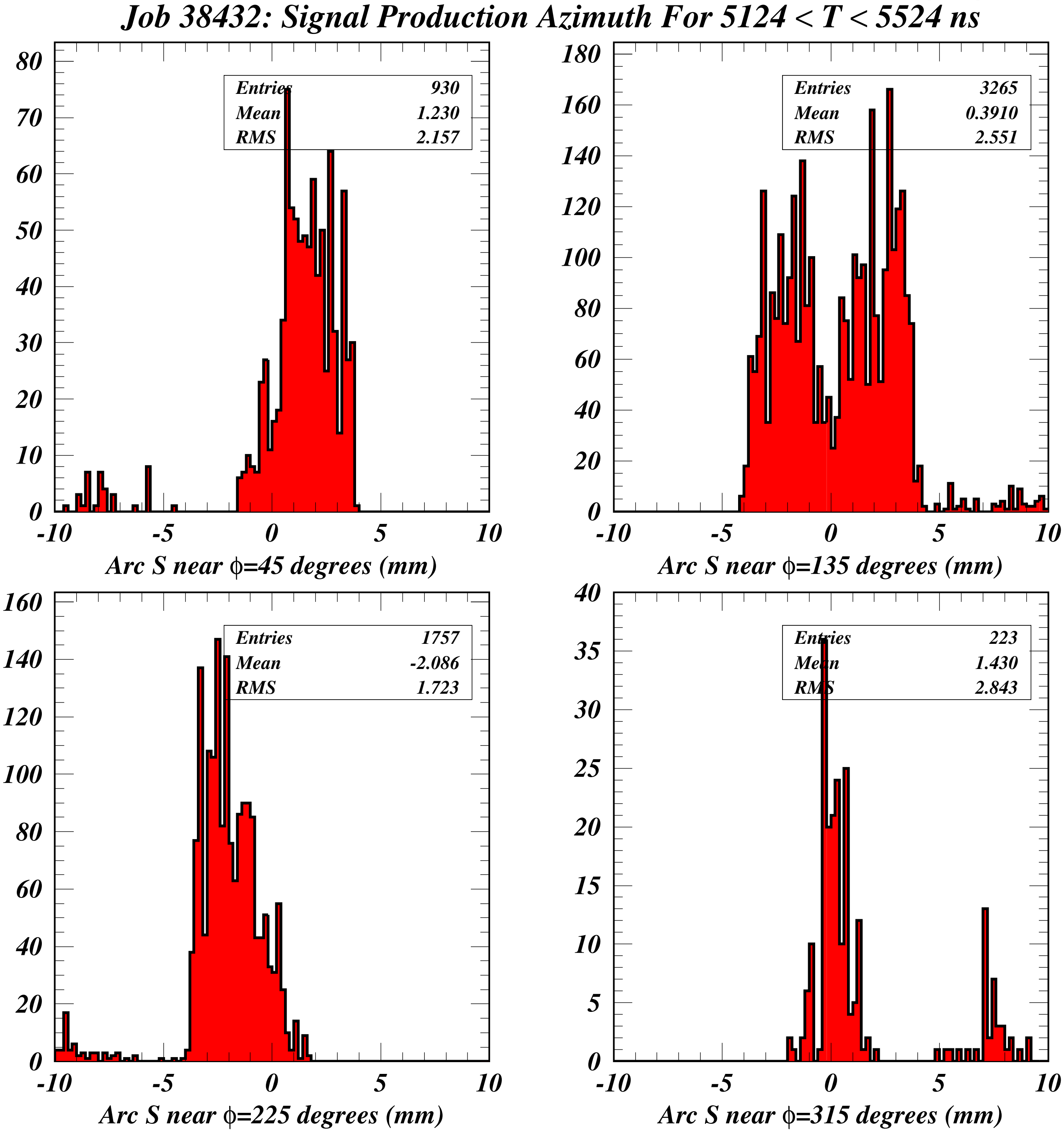
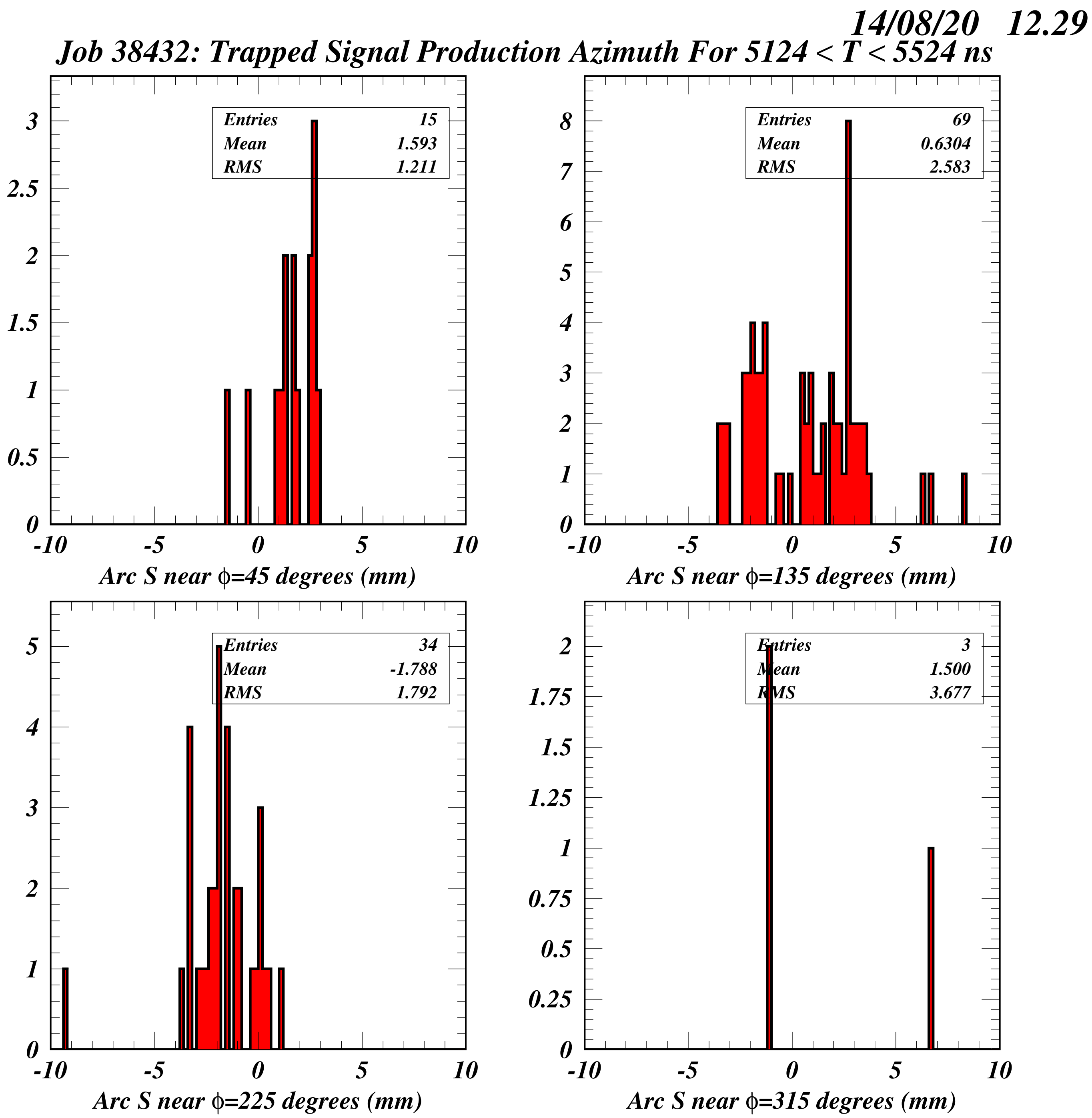


Job 38432: Signal Production Azimuth For 5124 < T < 5524 ns
Entries 930
Mean 1.230
RMS 2.157
Arc S near ϕ=45 degrees (mm)
Entries 3265
Mean 0.3910
RMS 2.551
Arc S near ϕ=135 degrees (mm)
Entries 1757
Mean -2.086
RMS 1.723
Arc S near ϕ=225 degrees (mm)
Entries 223
Mean 1.430
RMS 2.843
Arc S near ϕ=315 degrees (mm)



14/08/20 12.29
Job 38432: Trapped Signal Production Azimuth For 5124 < T < 5524 ns
Entries 15
Mean 1.593
RMS 1.211
Arc S near ϕ=45 degrees (mm)
Entries 69
Mean 0.6304
RMS 2.583
Arc S near ϕ=135 degrees (mm)
Entries 34
Mean -1.788
RMS 1.792
Arc S near ϕ=225 degrees (mm)
Entries 3
Mean 1.500
RMS 3.677
Arc S near ϕ=315 degrees (mm)

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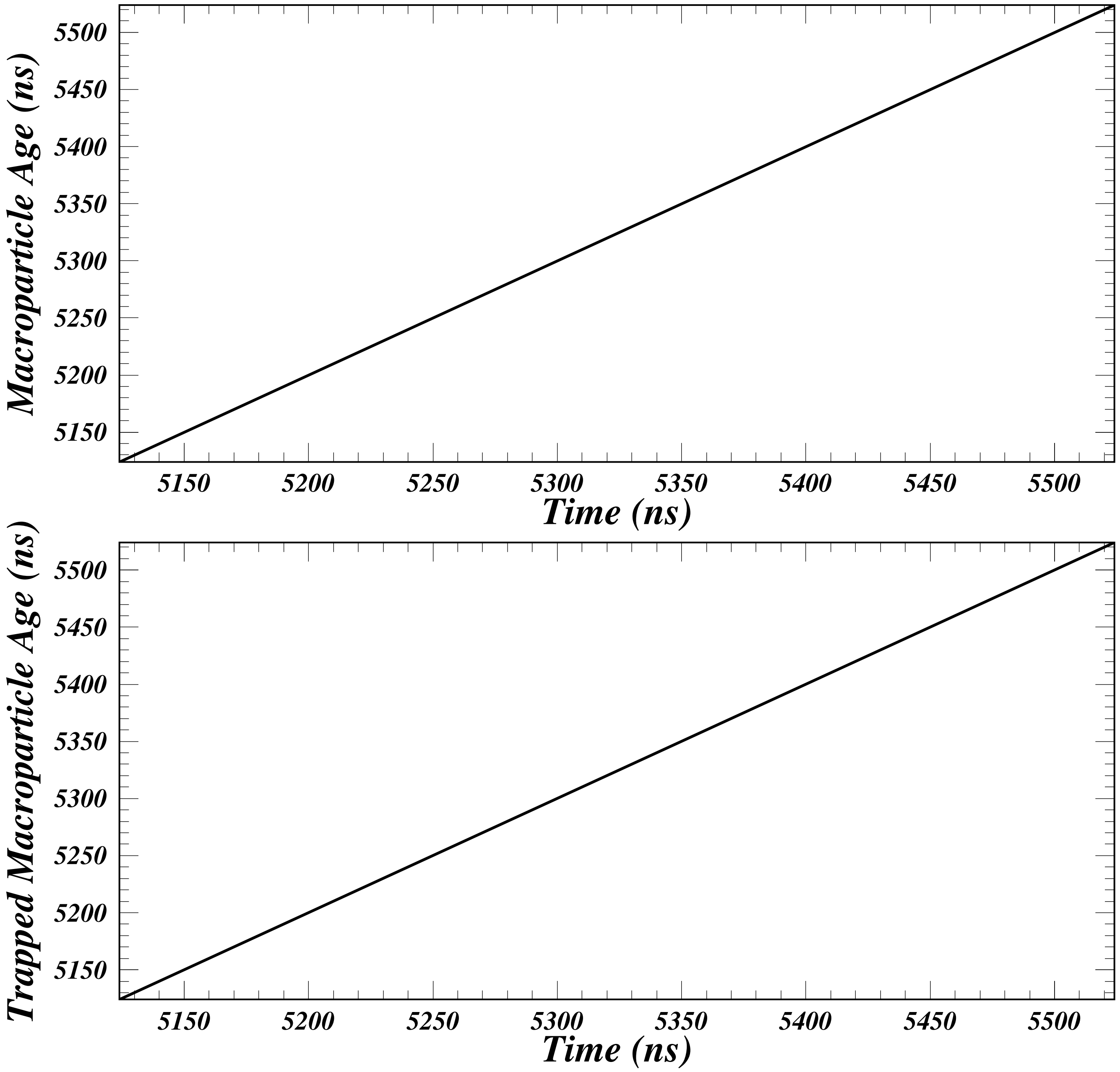
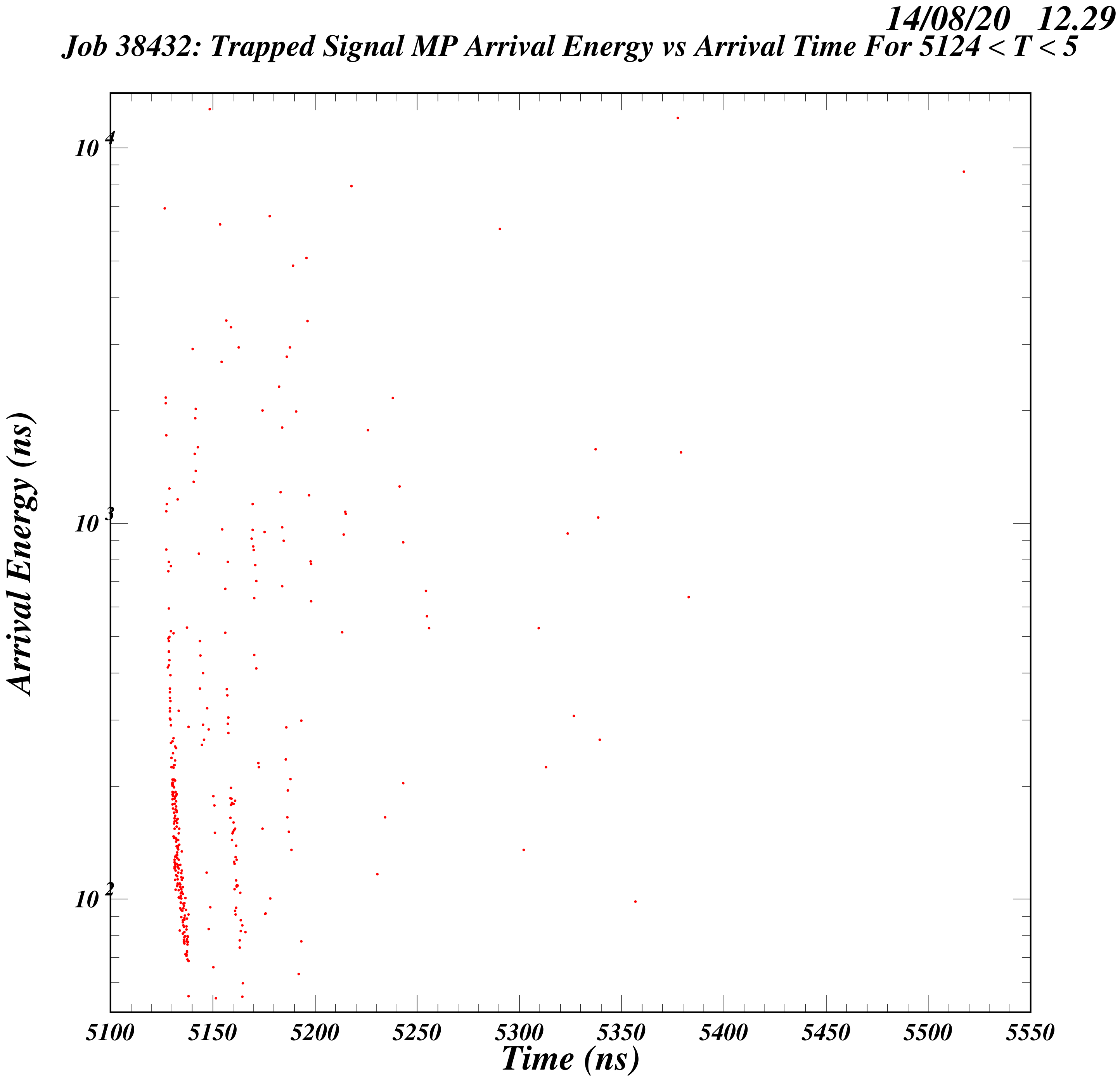
Job 38432: Signal MP Age vs Arrival Time For 5124 < T < 5524 ns




14/08/20 12.29
Job 38432: Trapped Signal MP Arrival Energy vs Arrival Time For 5124 < T < 5
Arrival Energy (ns)
10^4
10^3
10^2
5100
5150
5200
5250
5300
5350
5400
5450
5500
5550
Time (ns)

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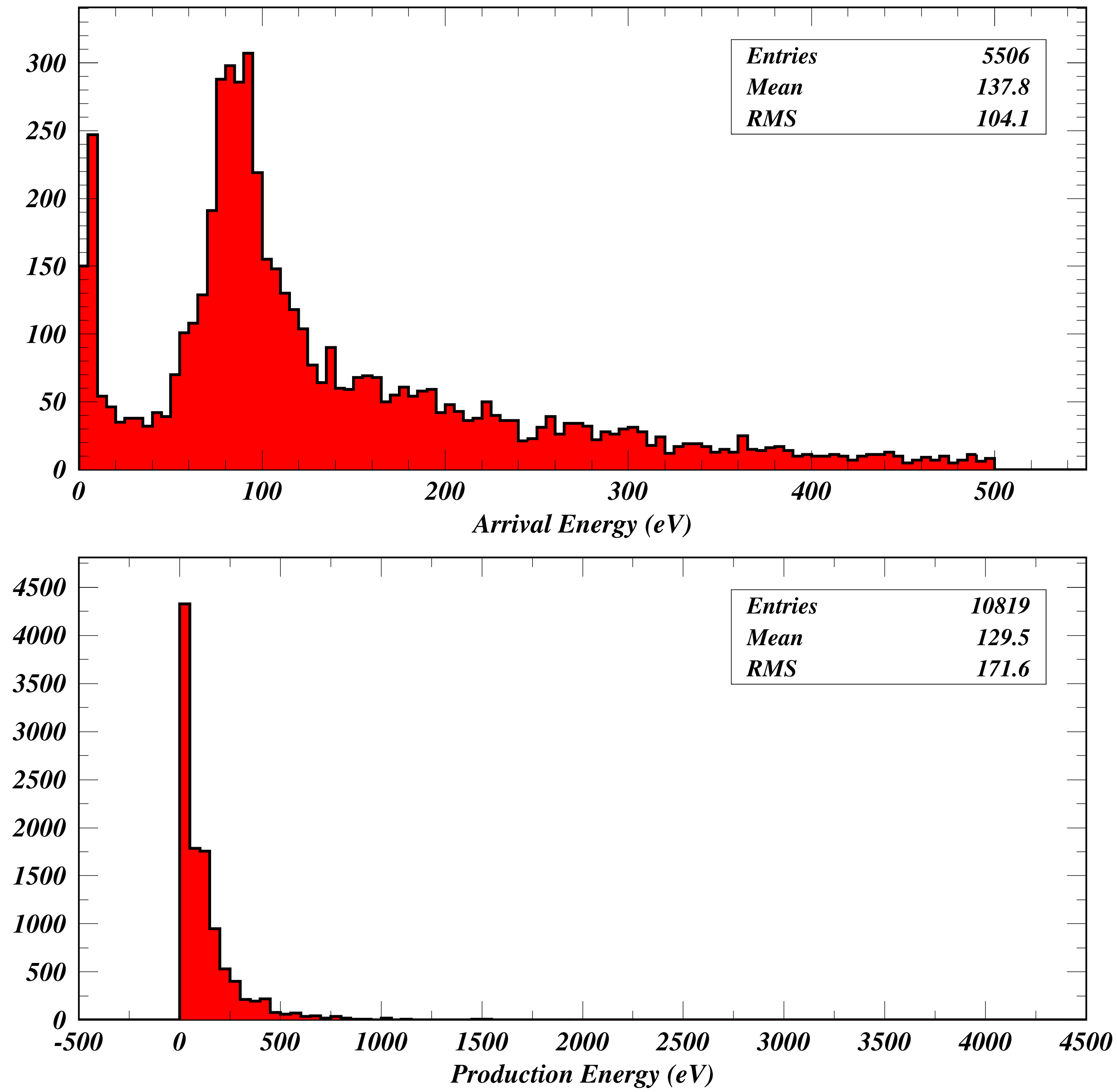
Job 38432: Signal Energies and Azimuth For 5124 < T < 5524 ns



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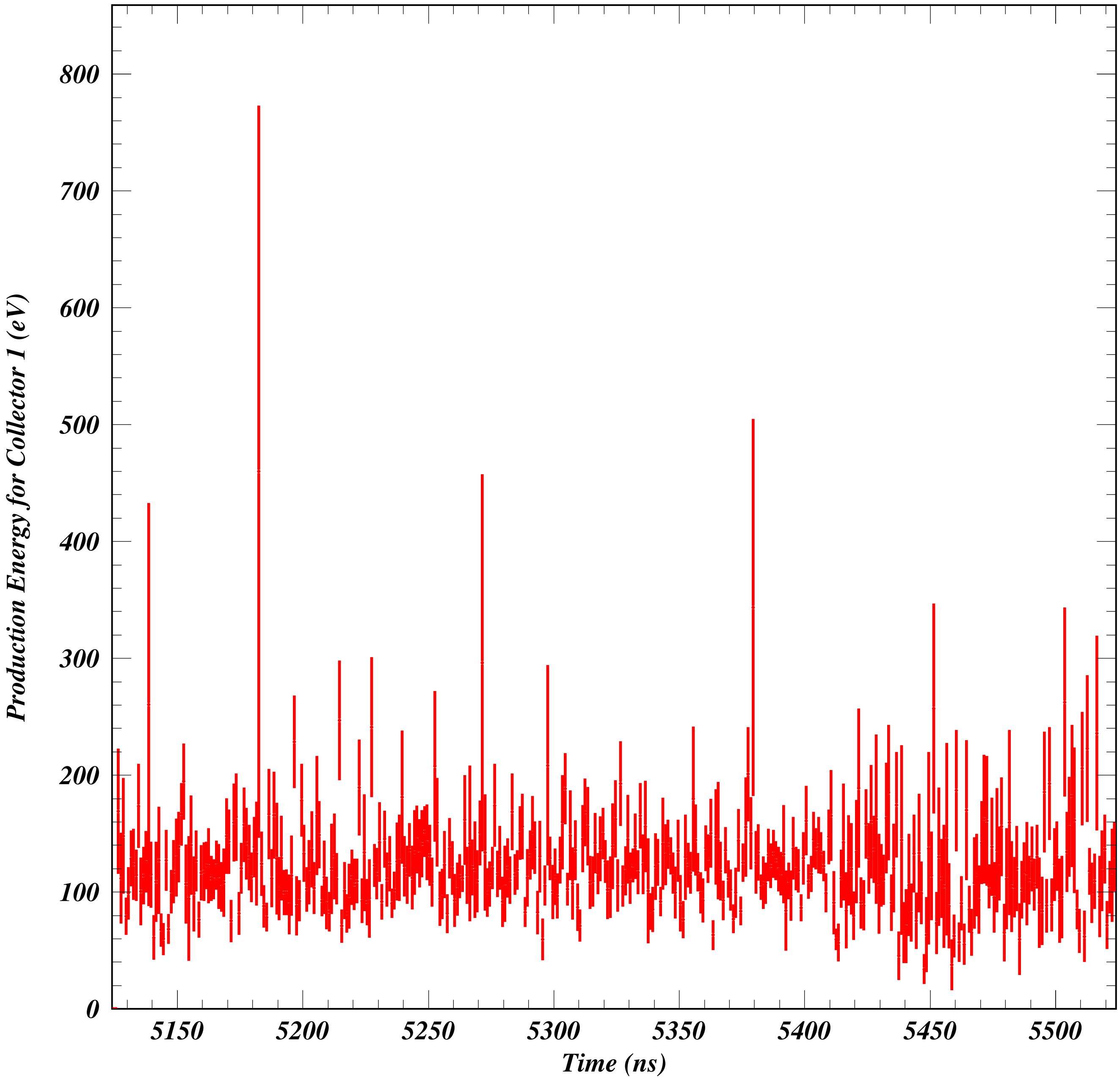
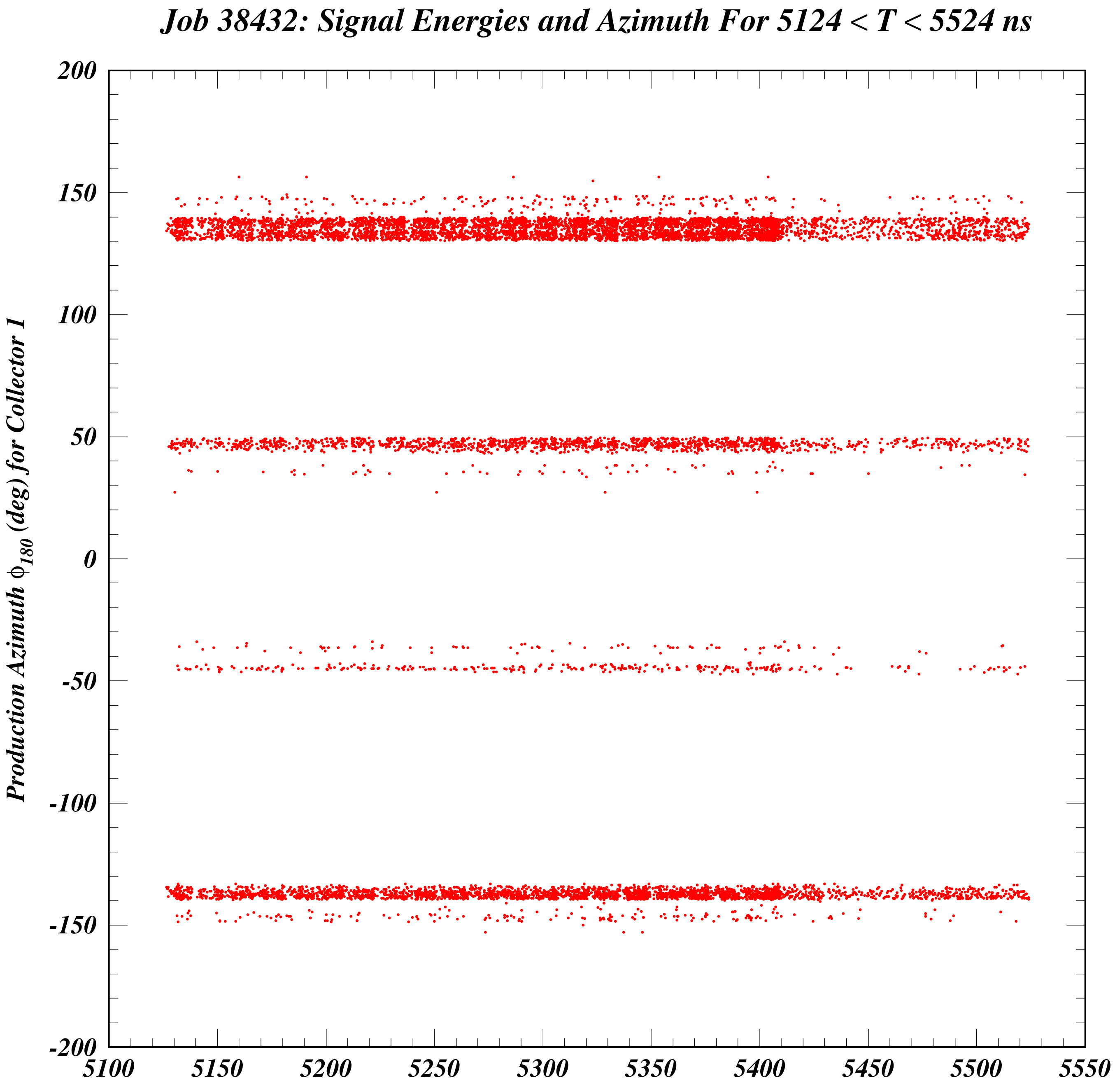
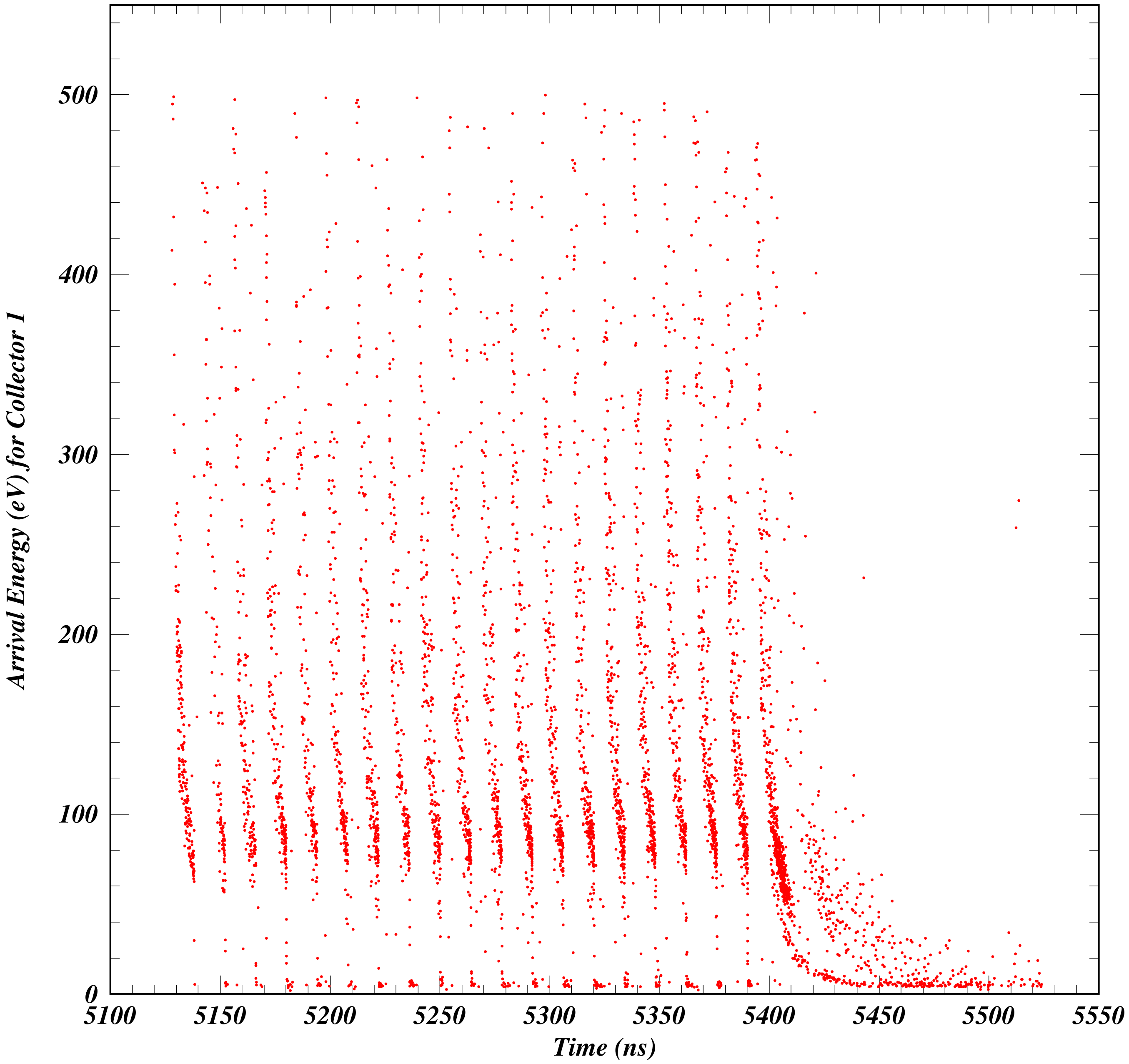
Job 38432: Signal Energies and Azimuth For 5124 < T < 5524 ns



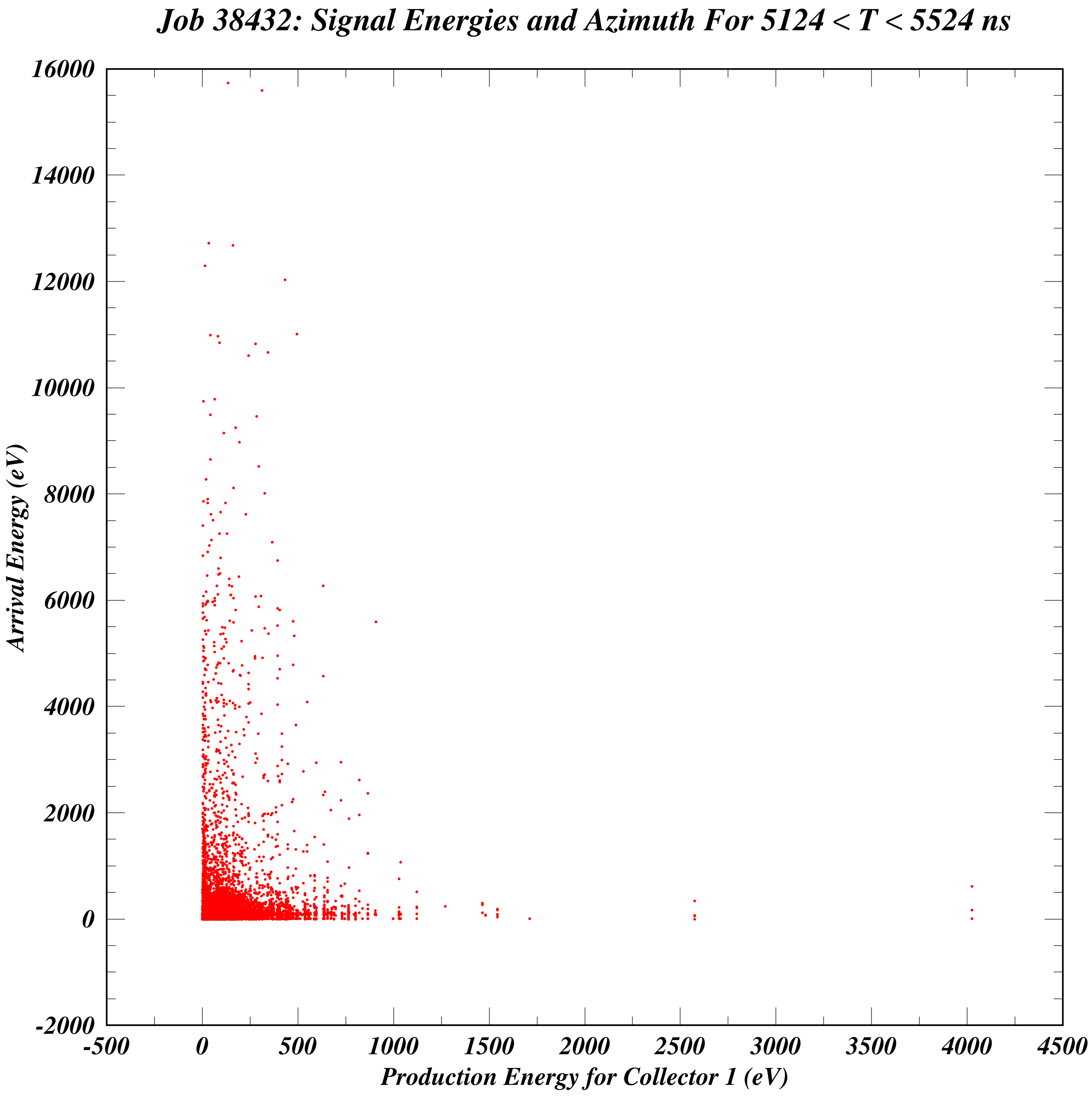

Job 38432: Signal Energies and Azimuth For 5124 < T < 5524 ns
Production Azimuth ϕ_{180} (deg) for Collector 1
200
150
100
50
0
-50
-100
-150
-200
5100
5150
5200
5250
5300
5350
5400
5450
5500
5550

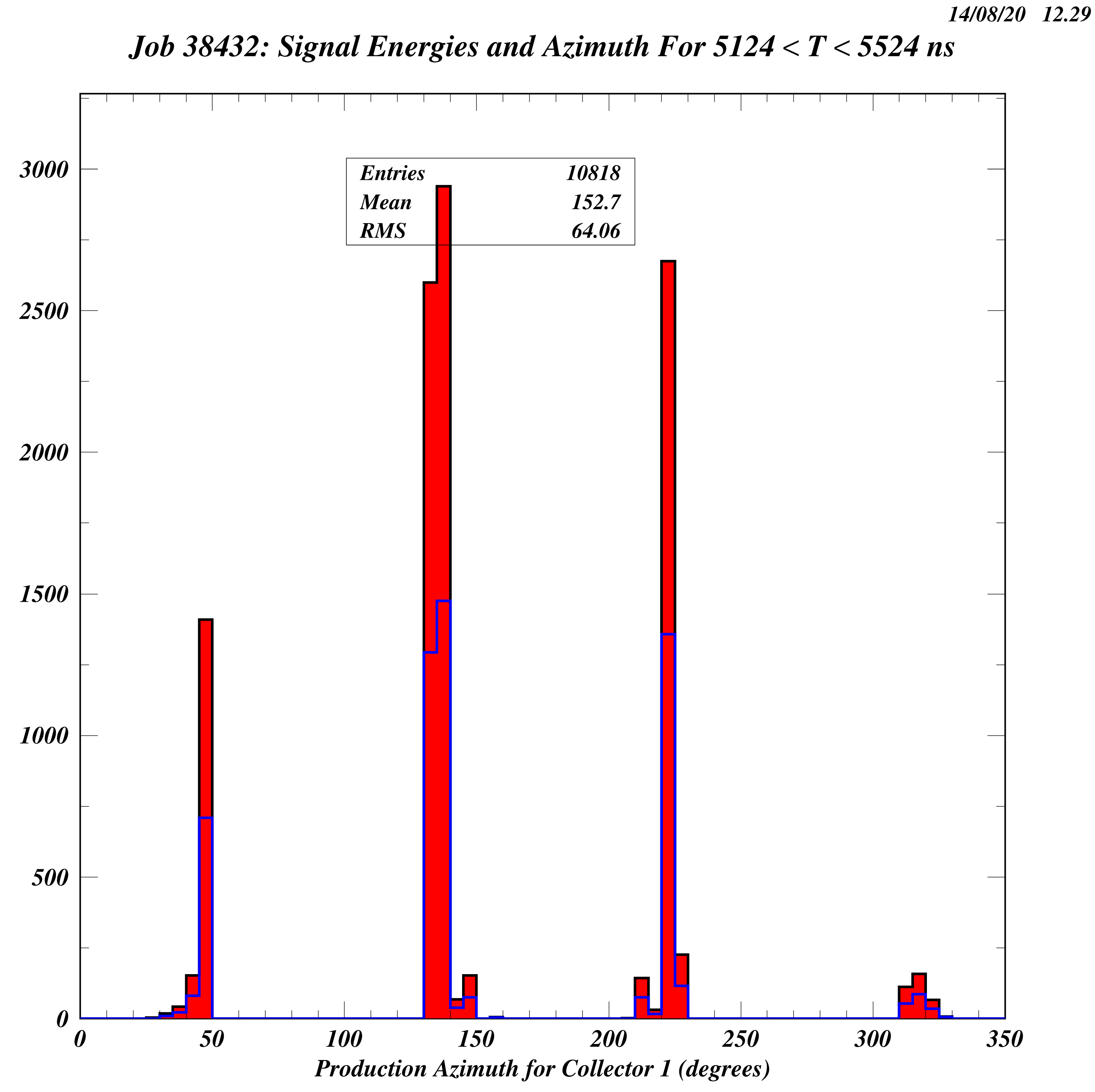
14/08/20 12.29

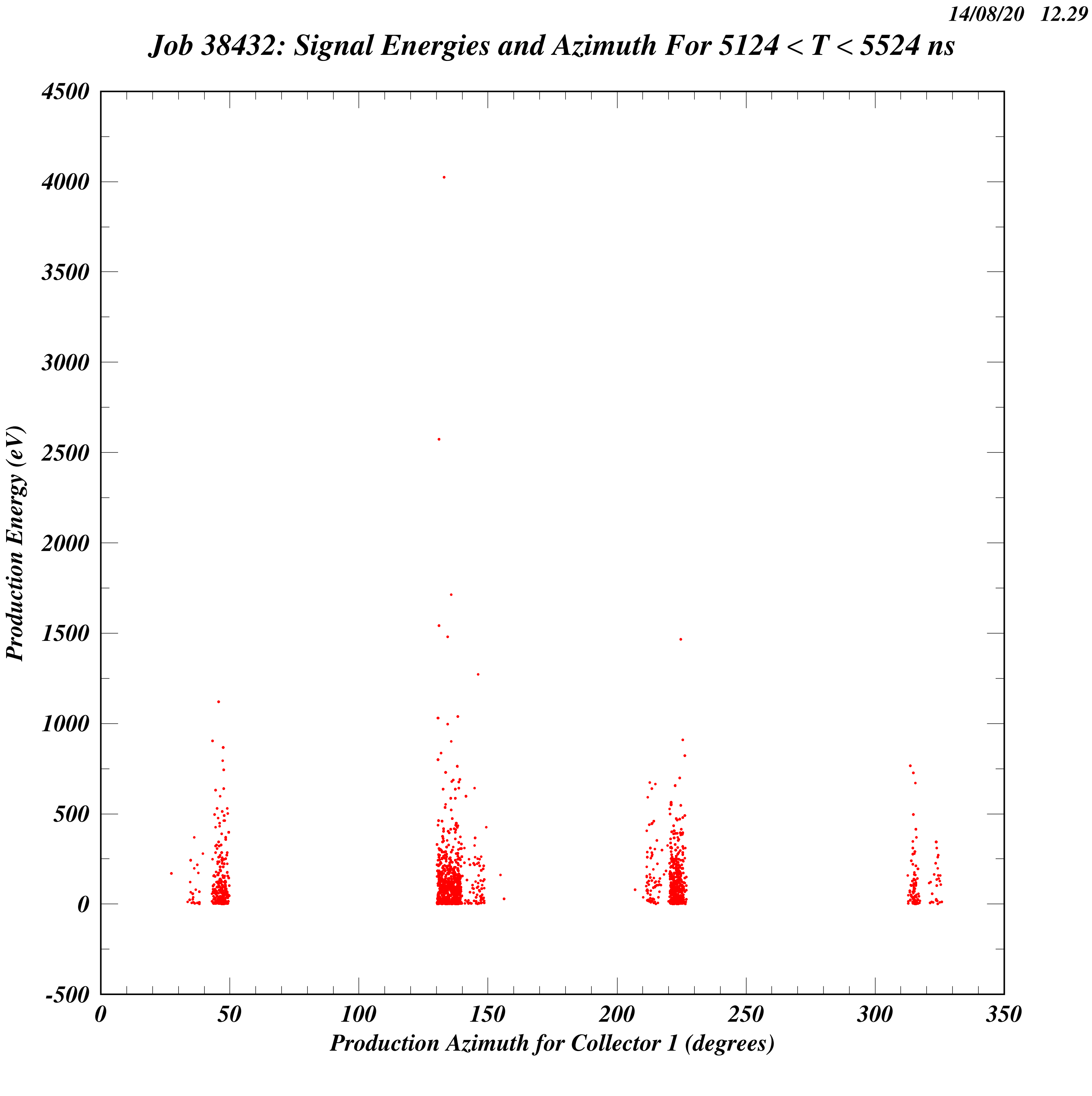
Job 38432: Signal Energies and Azimuth For 5124 < T < 5524 ns



14/08/20 12.29


Job 38432: Signal Energies and Azimuth For 5124 < T < 5524 ns
Arrival Energy (eV)
16000
14000
12000
10000
8000
6000
4000
2000
0
-2000
-500
0
500
1000
1500
2000
2500
3000
3500
4000
4500
Production Energy for Collector 1 (eV)


14/08/20 12.29
Job 38432: Signal Energies and Azimuth For 5124 < T < 5524 ns
Entries 10818
Mean 152.7
RMS 64.06
3000
2500
2000
1500
1000
500
0
0
50
100
150
200
250
300
350
Production Azimuth for Collector 1 (degrees)


14/08/20 12.29
Job 38432: Signal Energies and Azimuth For 5124 < T < 5524 ns
Production Energy (eV)
4500
4000
3500
3000
2500
2000
1500
1000
500
0
-500
0
50
100
150
200
250
300
350
Production Azimuth for Collector 1 (degrees)

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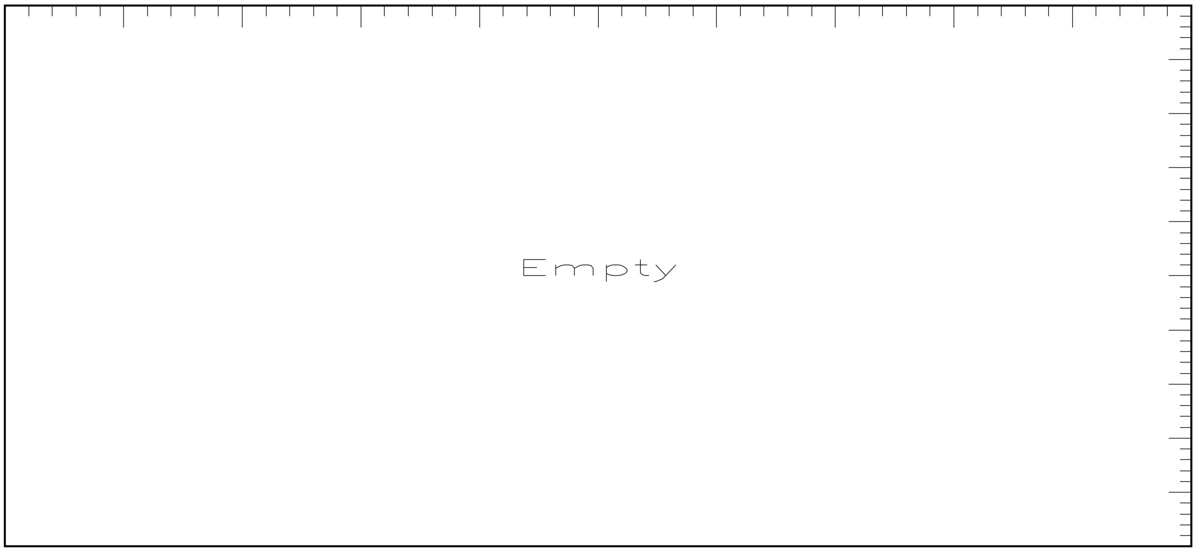
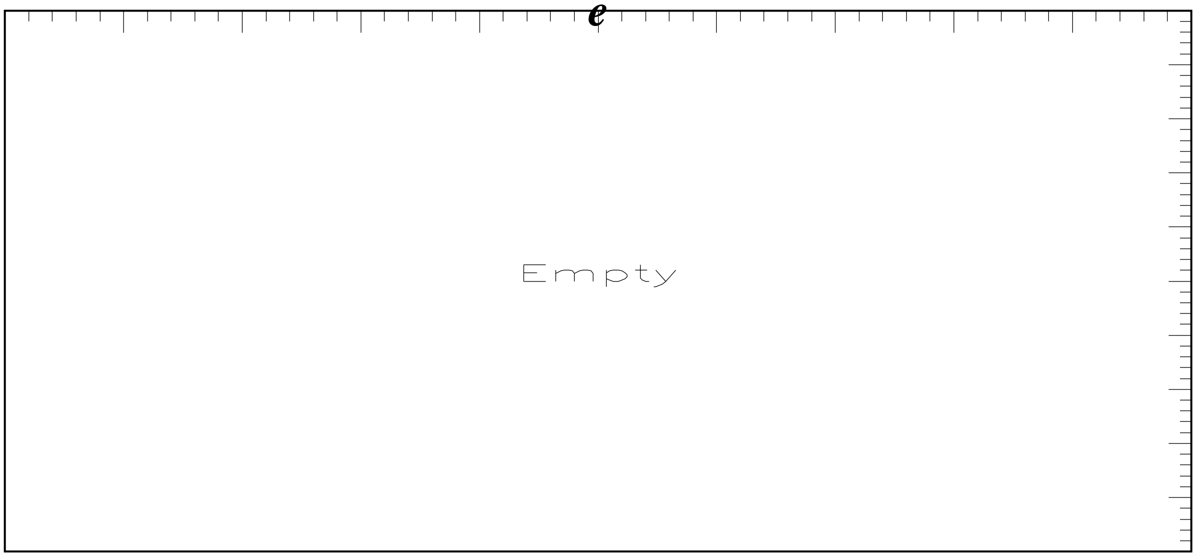
Job 38432: Signal Energies and Azimuth For 5124 < T < 5524 ns: Primaries Onl



Arrival Energy (eV)

e

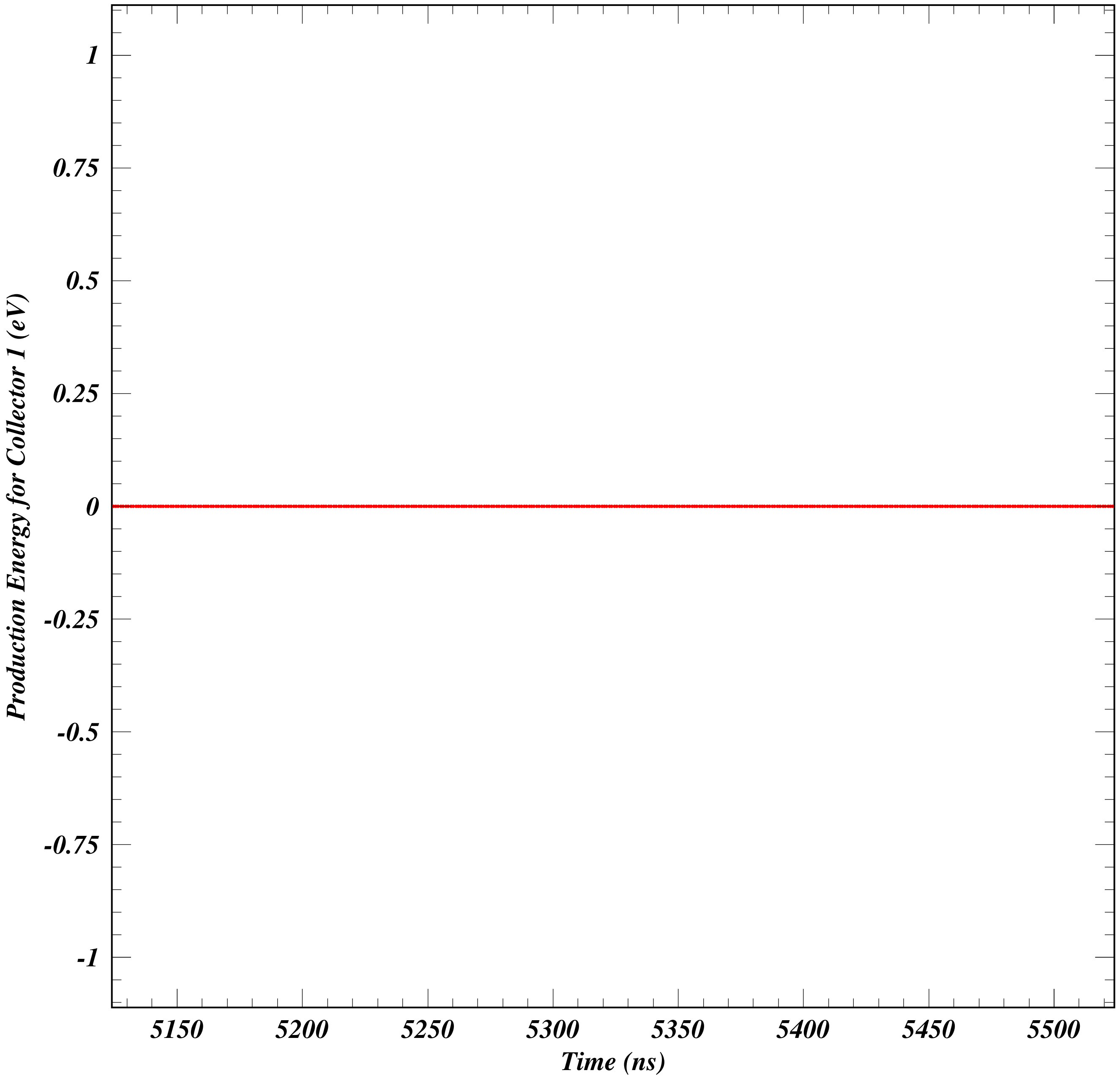


Production Energy (eV)

prode

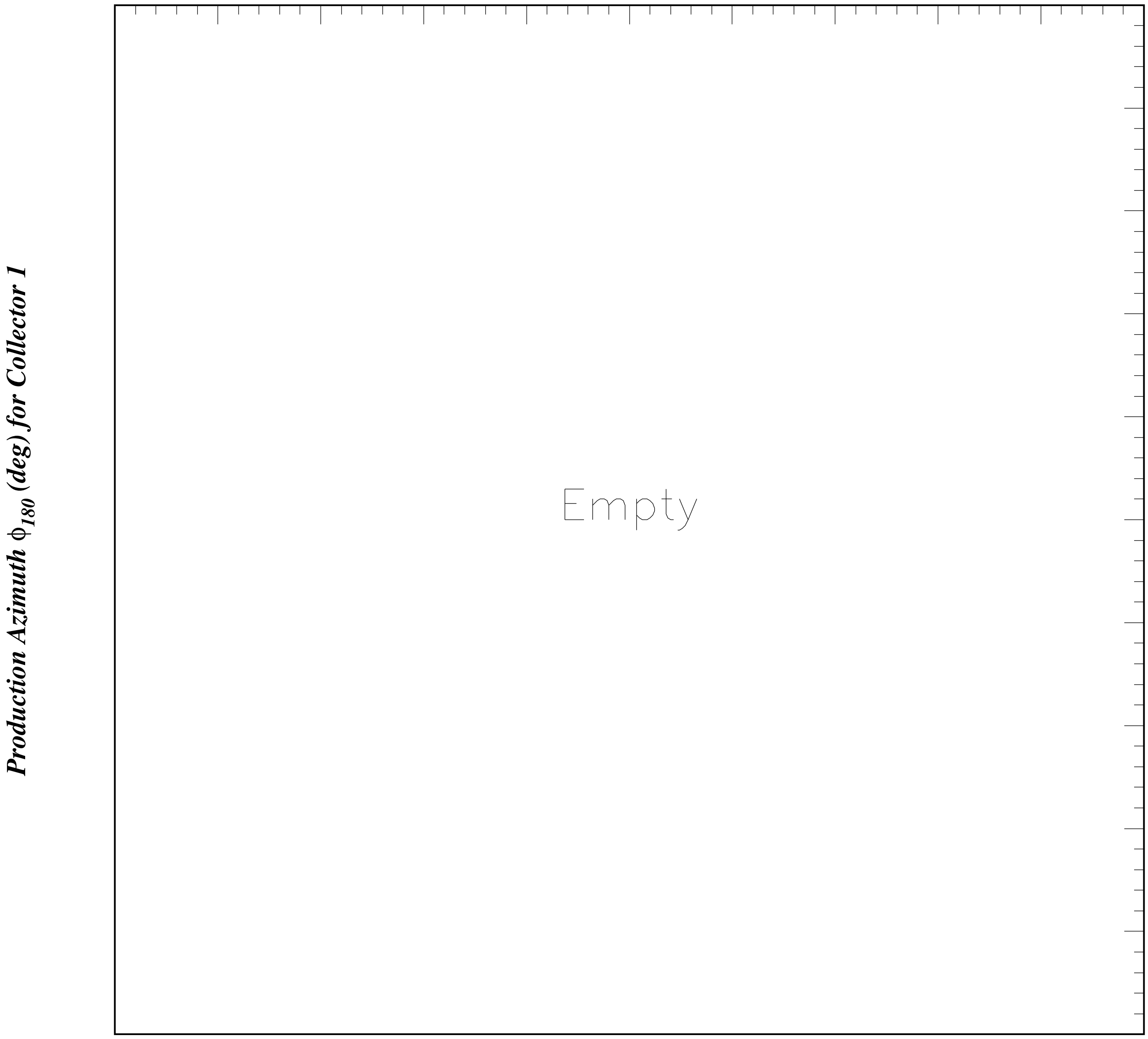
14/08/20 12.29

Job 38432: Signal Energies and Azimuth For 5124 < T < 5524 ns: Primaries Onl



14/08/20   12.29

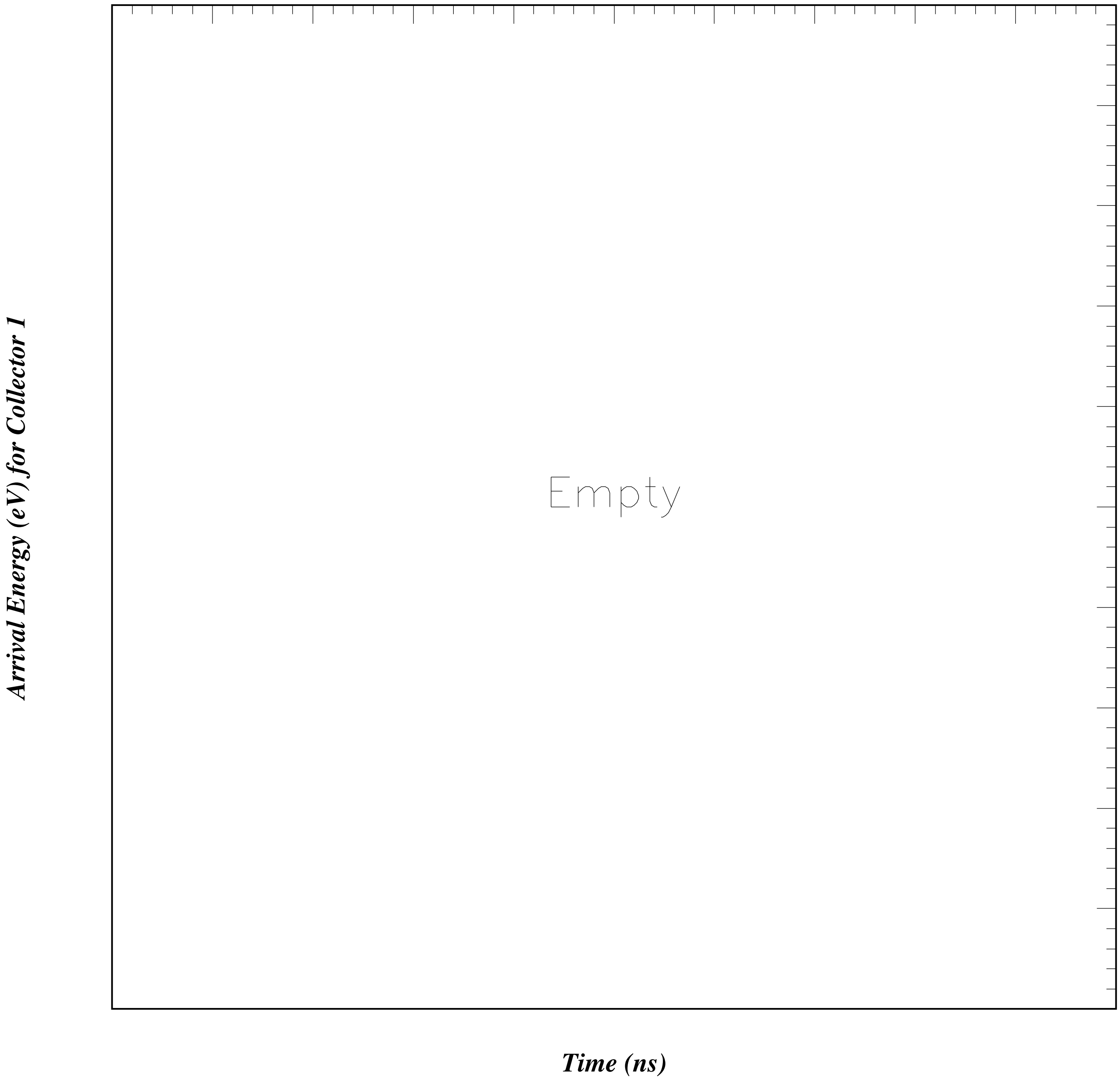
Job 38432: Signal Energies and Azimuth For 5124 < T < 5524 ns: Primaries Onl



datan180.f(prody,prodx) VS. t

14/08/20 12.29

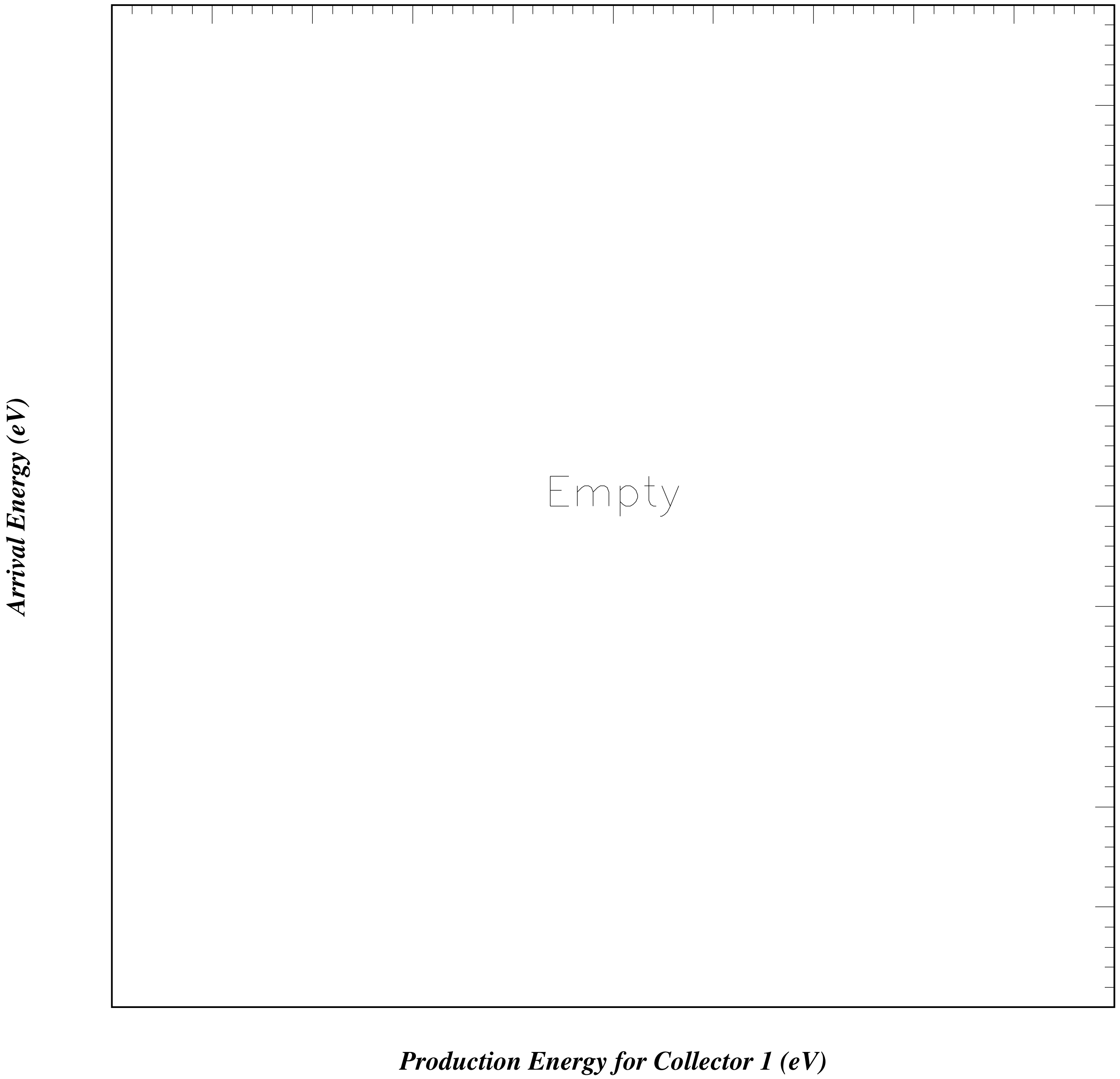
Job 38432: Signal Energies and Azimuth For 5124 < T < 5524 ns: Primaries Onl



e VS. t

14/08/20 12.29

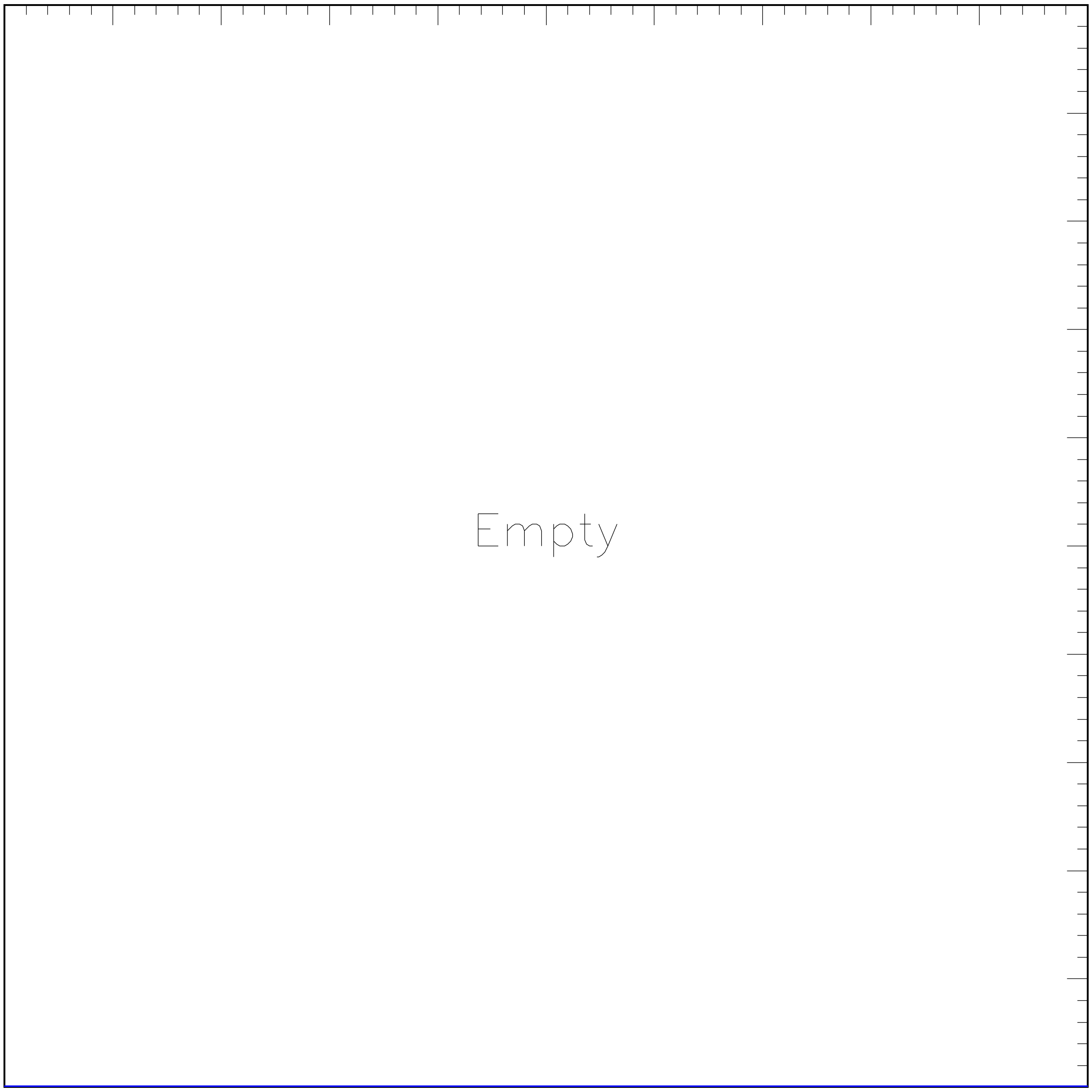
Job 38432: Signal Energies and Azimuth For 5124 < T < 5524 ns: Primaries Onl



e VS. prode

14/08/20   12.29

Job 38432: Signal Energies and Azimuth For 5124 < T < 5524 ns: Primaries Onl



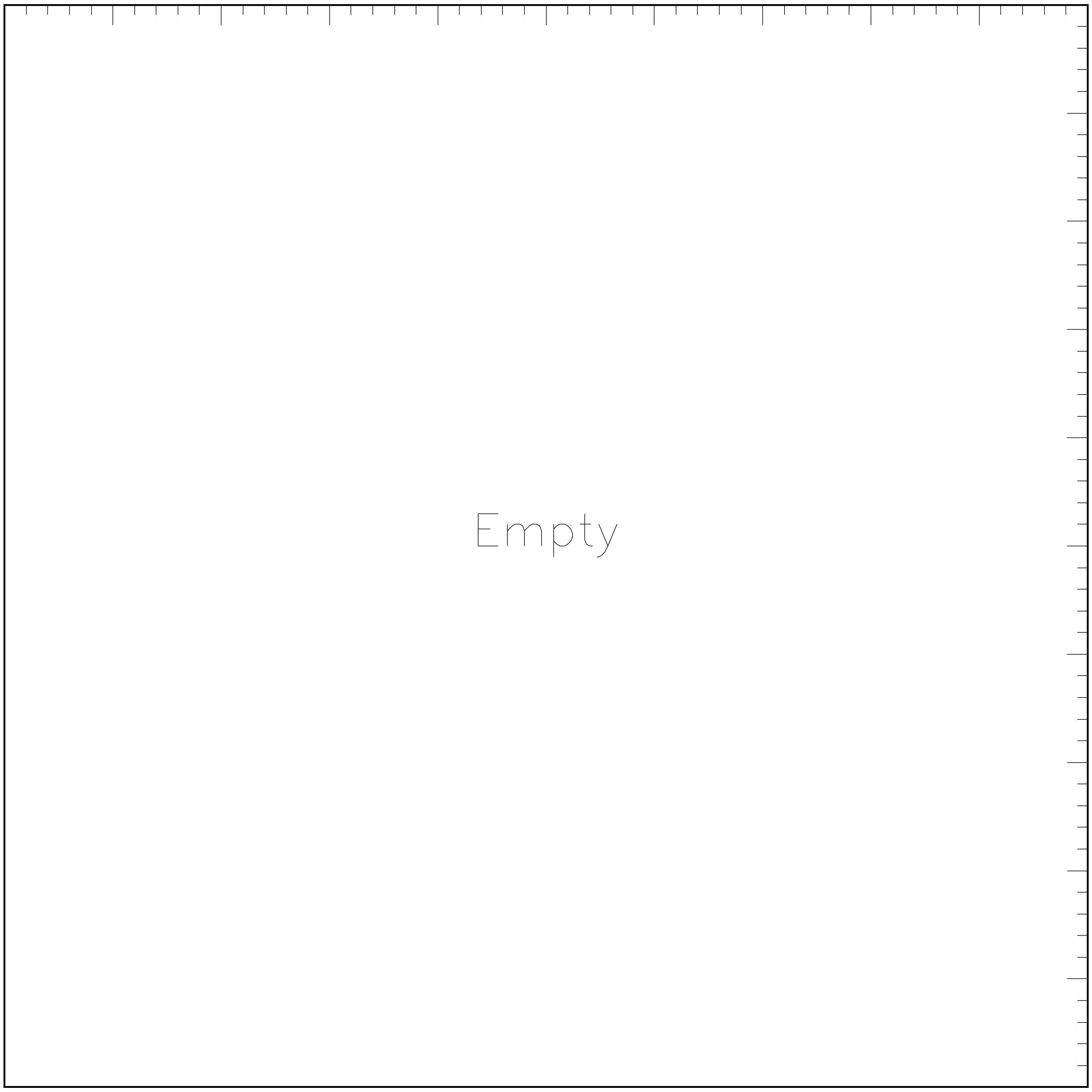
Production Azimuth for Collector 1 (degrees)

datan.f(prody,prodx)

14/08/20 12.29

Job 38432: Signal Energies and Azimuth For 5124 < T < 5524 ns: Primaries Onl

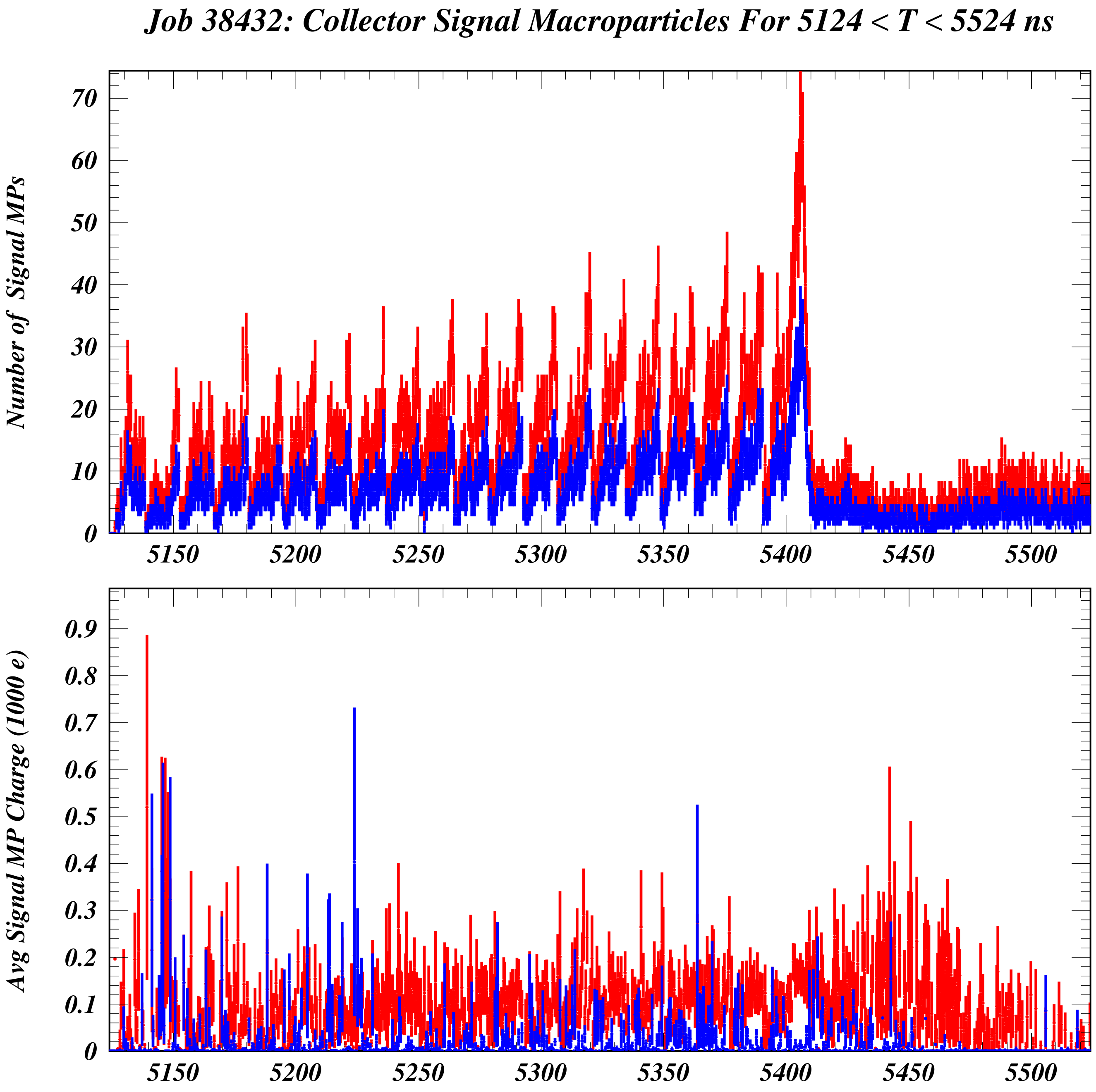
Production Energy (eV)



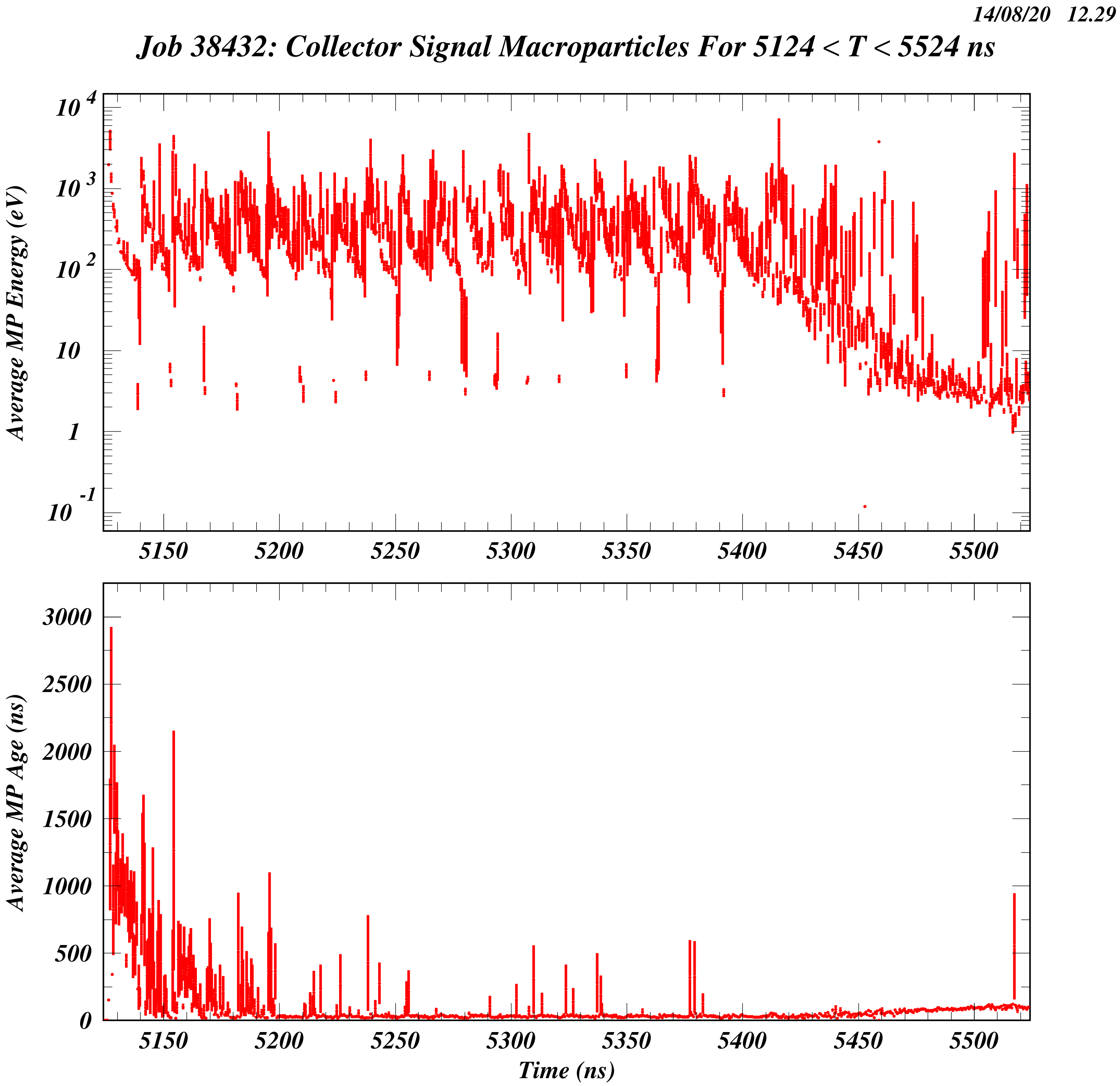
Production Azimuth for Collector 1 (degrees)

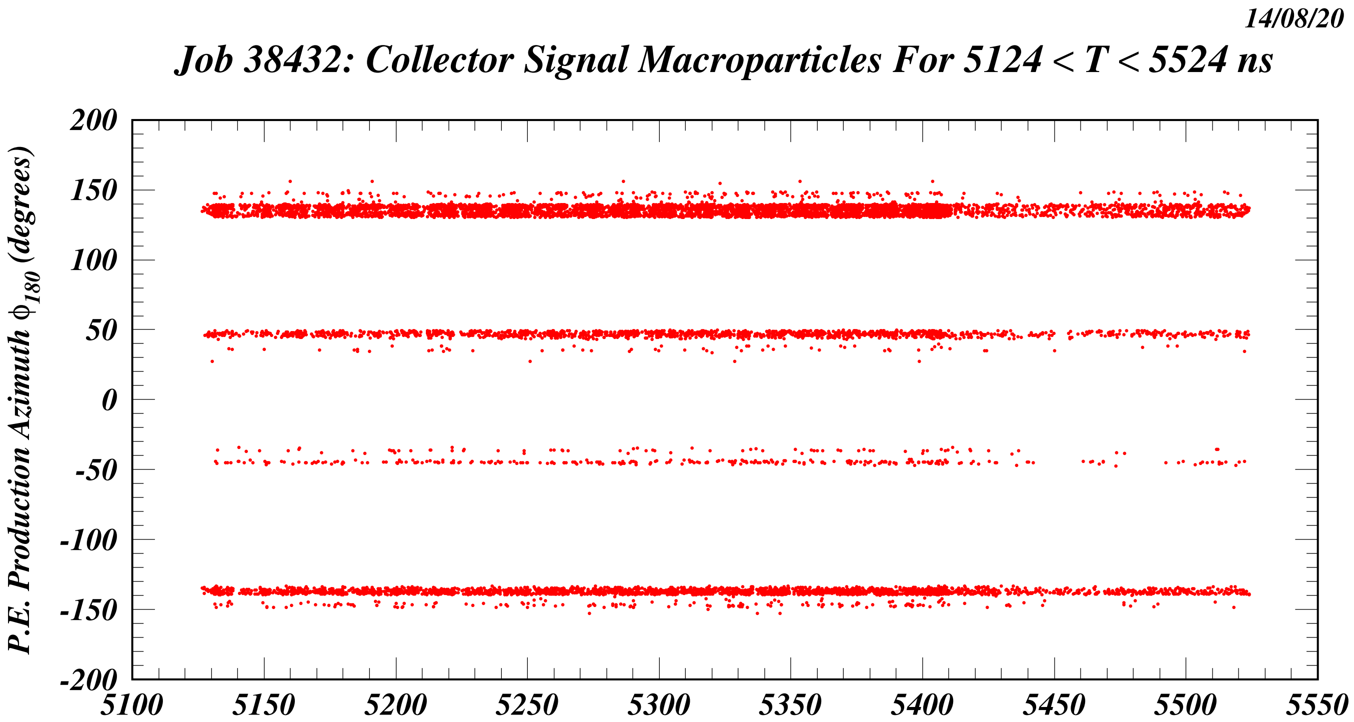
prode VS. datan.f(prody,prodx)

14/08/20 12.29



Job 38432: Collector Signal Macroparticles For 5124 < T < 5524 ns
Number of Signal MPs
0
10
20
30
40
50
60
70
5150
5200
5250
5300
5350
5400
5450
5500
Avg Signal MP Charge (1000 e)
0
0.1
0.2
0.3
0.4
0.5
0.6
0.7
0.8
0.9
5150
5200
5250
5300
5350
5400
5450
5500


14/08/20 12.29
Job 38432: Collector Signal Macroparticles For 5124 < T < 5524 ns
Average MP Energy (eV)
10^4
10^3
10^2
10
1
10^{-1}
5150
5200
5250
5300
5350
5400
5450
5500
Average MP Age (ns)
3000
2500
2000
1500
1000
500
0
Time (ns)


14/08/20 12.29
Job 38432: Collector Signal Macroparticles For 5124 < T < 5524 ns
P.E. Production Azimuth φ180 (degrees)
200
150
100
50
0
-50
-100
-150
-200
5100
5150
5200
5250
5300
5350
5400
5450
5500
5550