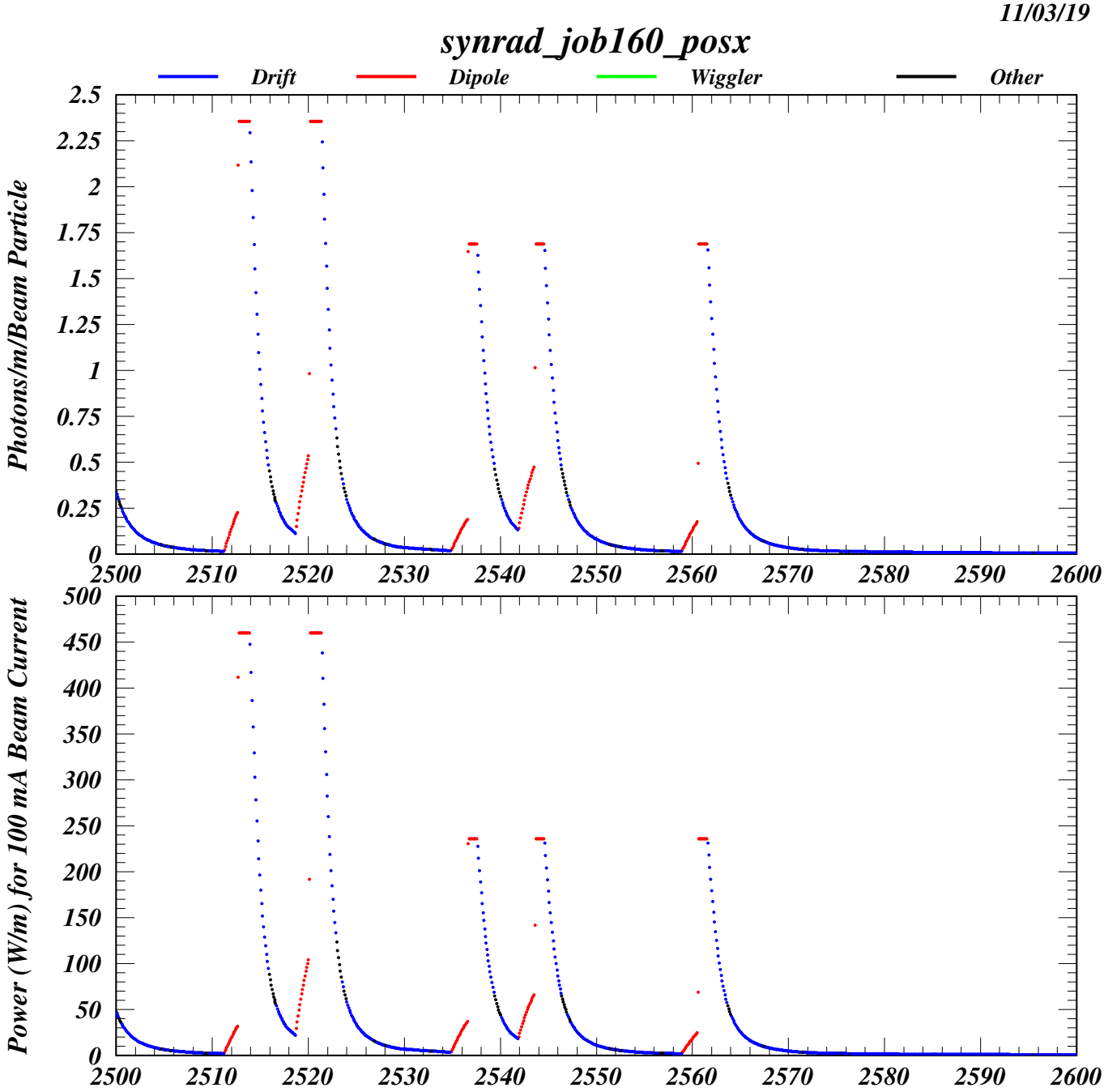
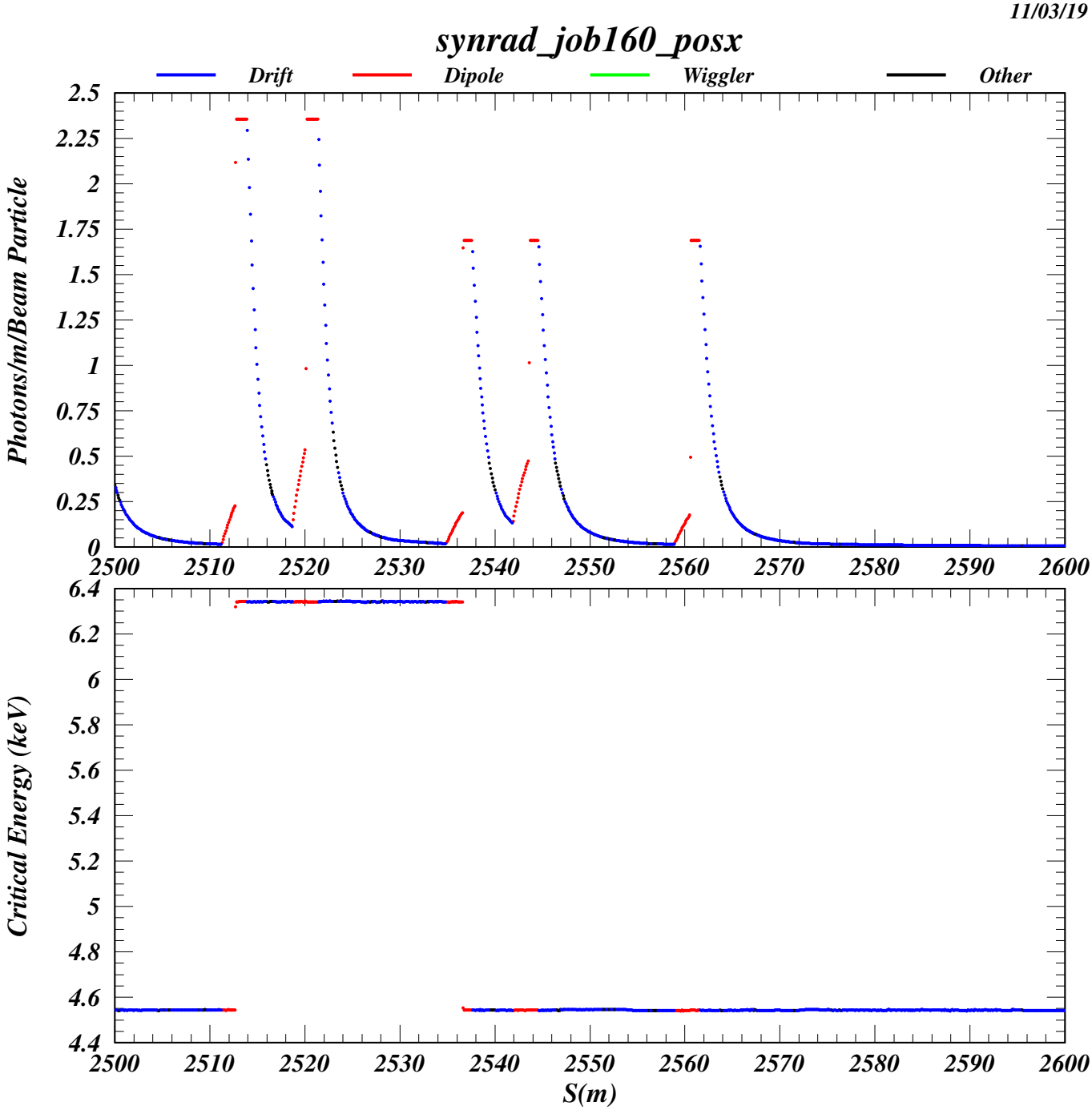
11/03/19 17.04


synrad_job160_posx
Drift
Dipole
Wiggler
Other
Photons/m/Beam Particle
2.5
2.25
2
1.75
1.5
1.25
1
0.75
0.5
0.25
0
2500
2510
2520
2530
2540
2550
2560
2570
2580
2590
2600
Power (W/m) for 100 mA Beam Current
500
450
400
350
300
250
200
150
100
50
0
2500
2510
2520
2530
2540
2550
2560
2570
2580
2590
2600

11/03/19 17.04


synrad_job160_posx
Drift
Dipole
Wiggler
Other
Photons/m/Beam Particle
2.5
2.25
2
1.75
1.5
1.25
1
0.75
0.5
0.25
0
2500
2510
2520
2530
2540
2550
2560
2570
2580
2590
2600
Critical Energy (keV)
6.4
6.2
6
5.8
5.6
5.4
5.2
5
4.8
4.6
4.4
S(m)

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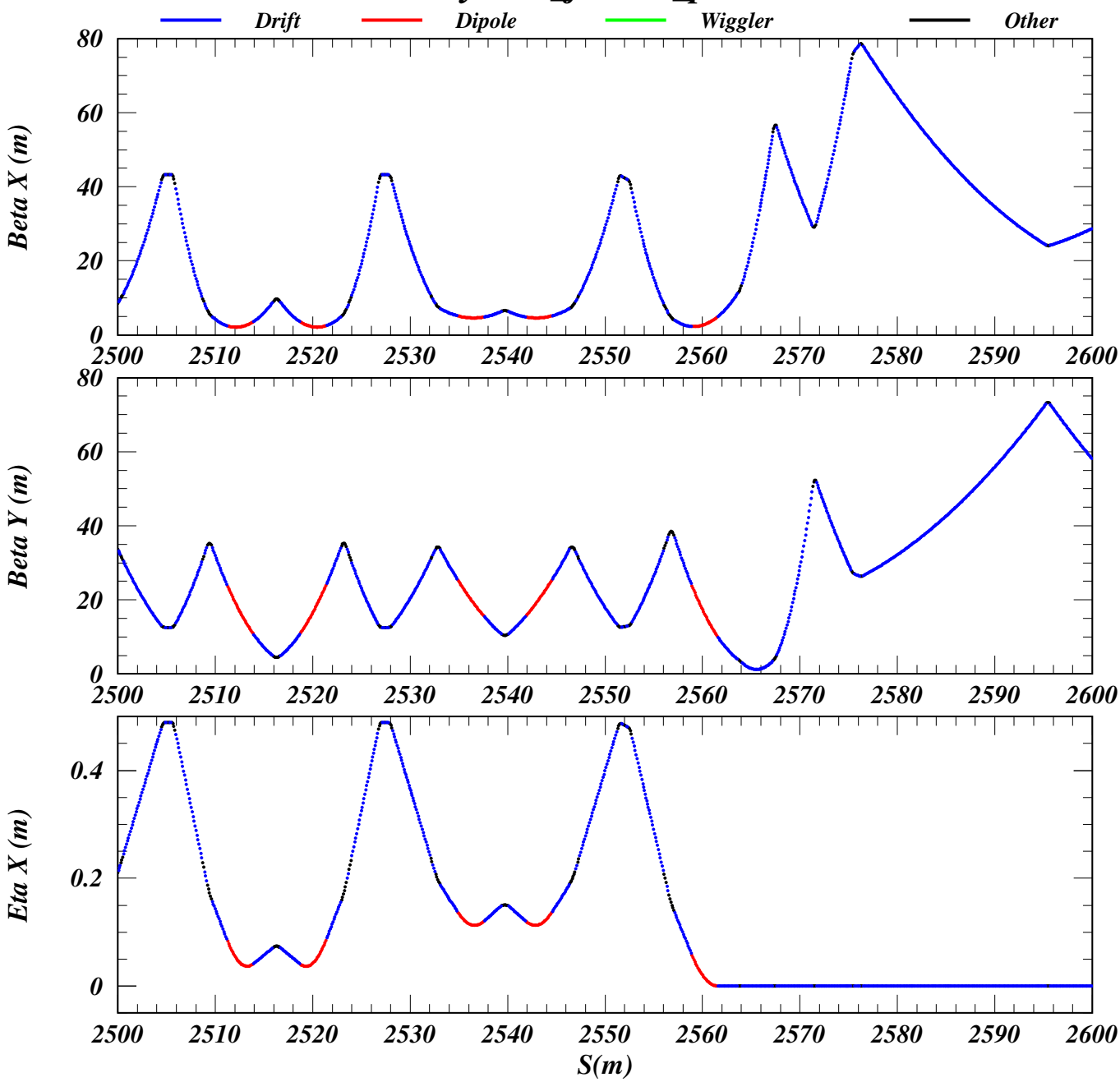
synrad_job160_posx



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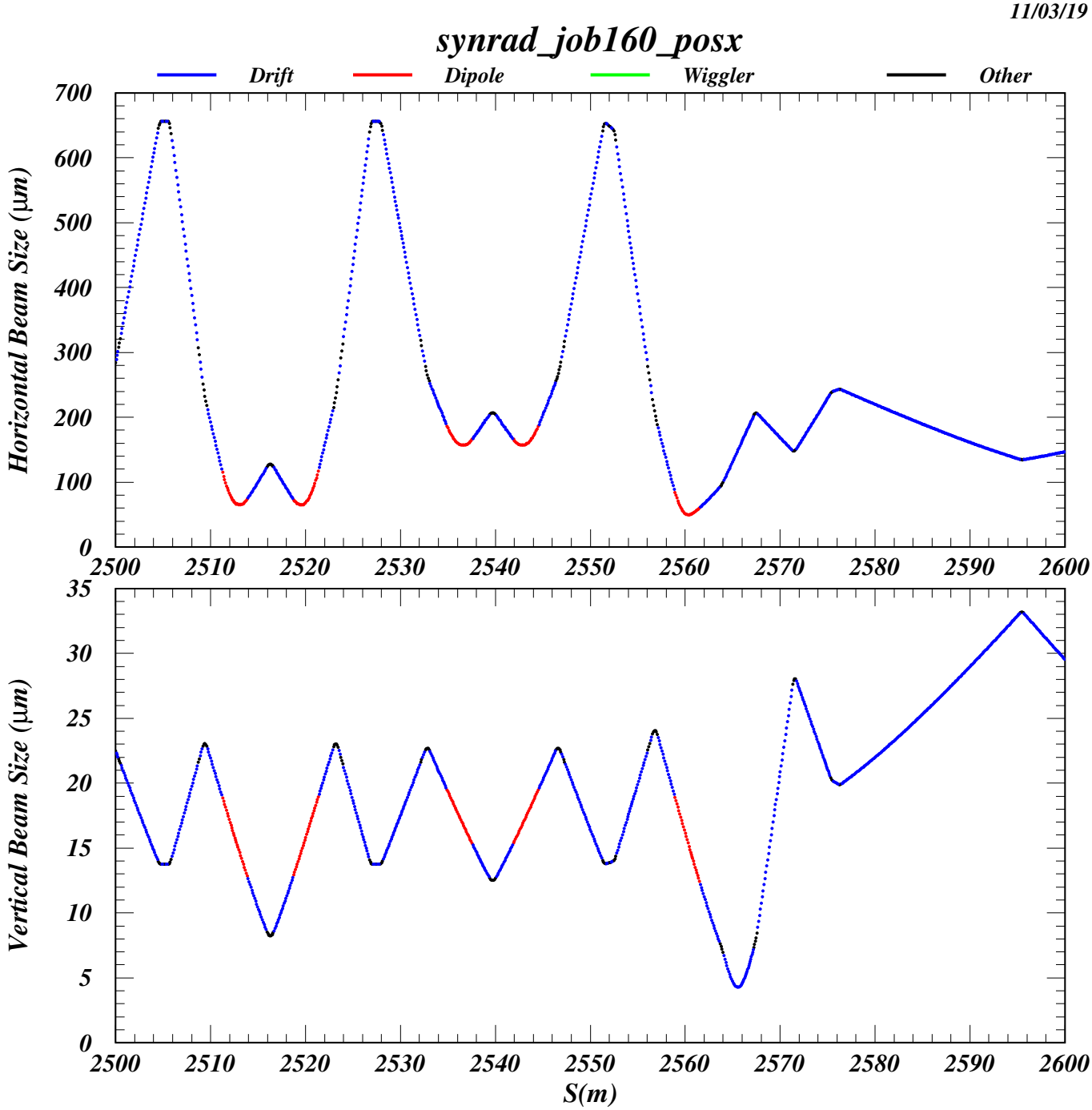
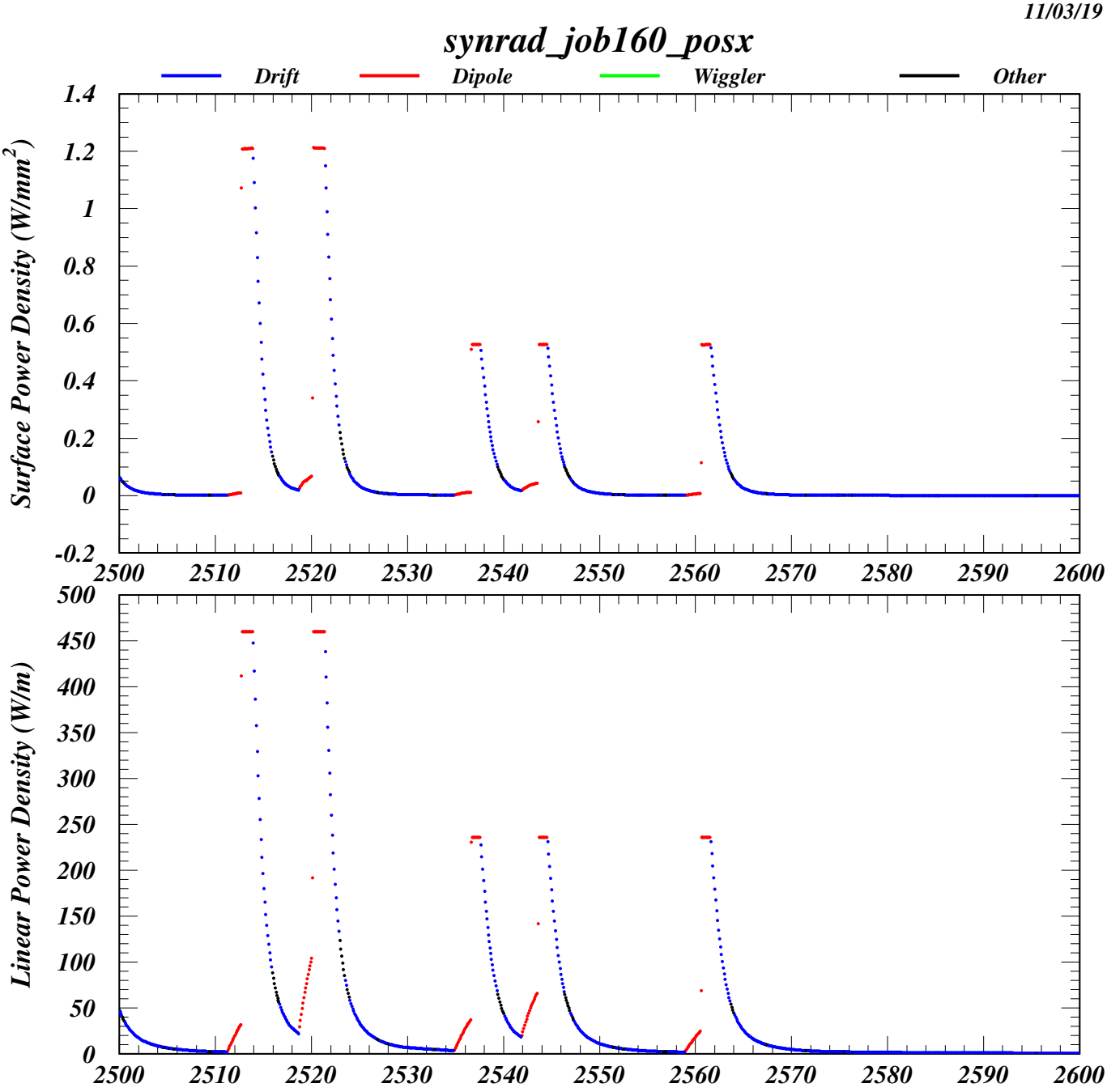
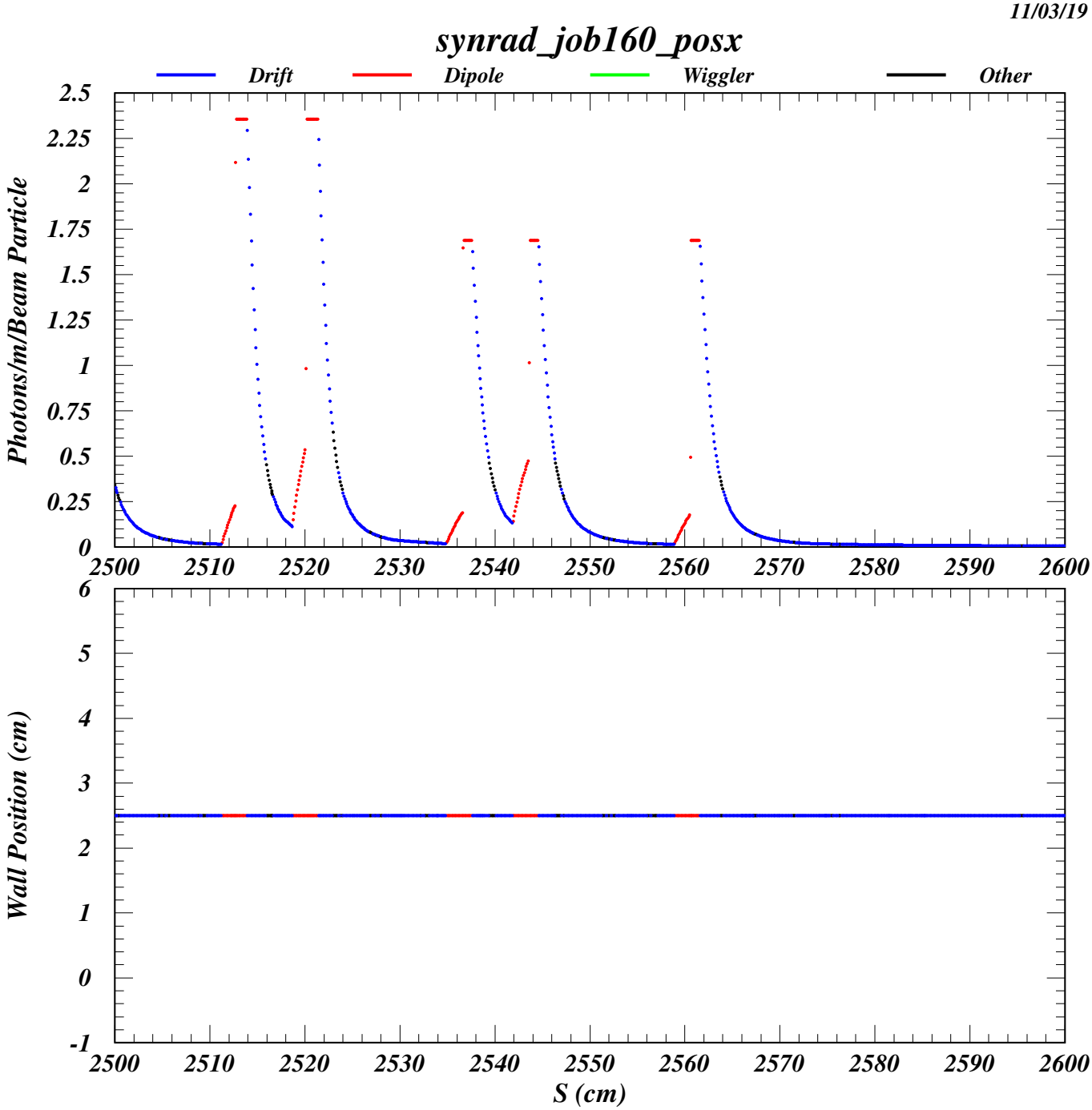

synrad_job160_posx
Drift
Dipole
Wiggler
Other
Horizontal Beam Size (μm)
0
100
200
300
400
500
600
700
2500
2510
2520
2530
2540
2550
2560
2570
2580
2590
2600
Vertical Beam Size (μm)
0
5
10
15
20
25
30
35
S(m)

11/03/19 17.04


synrad_job160_posx
Drift
Dipole
Wiggler
Other
Surface Power Density (W/mm^2)
1.4
1.2
1
0.8
0.6
0.4
0.2
0
-0.2
2500
2510
2520
2530
2540
2550
2560
2570
2580
2590
2600
Linear Power Density (W/m)
500
450
400
350
300
250
200
150
100
50
0
2500
2510
2520
2530
2540
2550
2560
2570
2580
2590
2600

11/03/19 17.04


synrad_job160_posx
Drift
Dipole
Wiggler
Other
Photons/m/Beam Particle
2.5
2.25
2
1.75
1.5
1.25
1
0.75
0.5
0.25
0
2500
2510
2520
2530
2540
2550
2560
2570
2580
2590
2600
Wall Position (cm)
6
5
4
3
2
1
0
-1
S (cm)