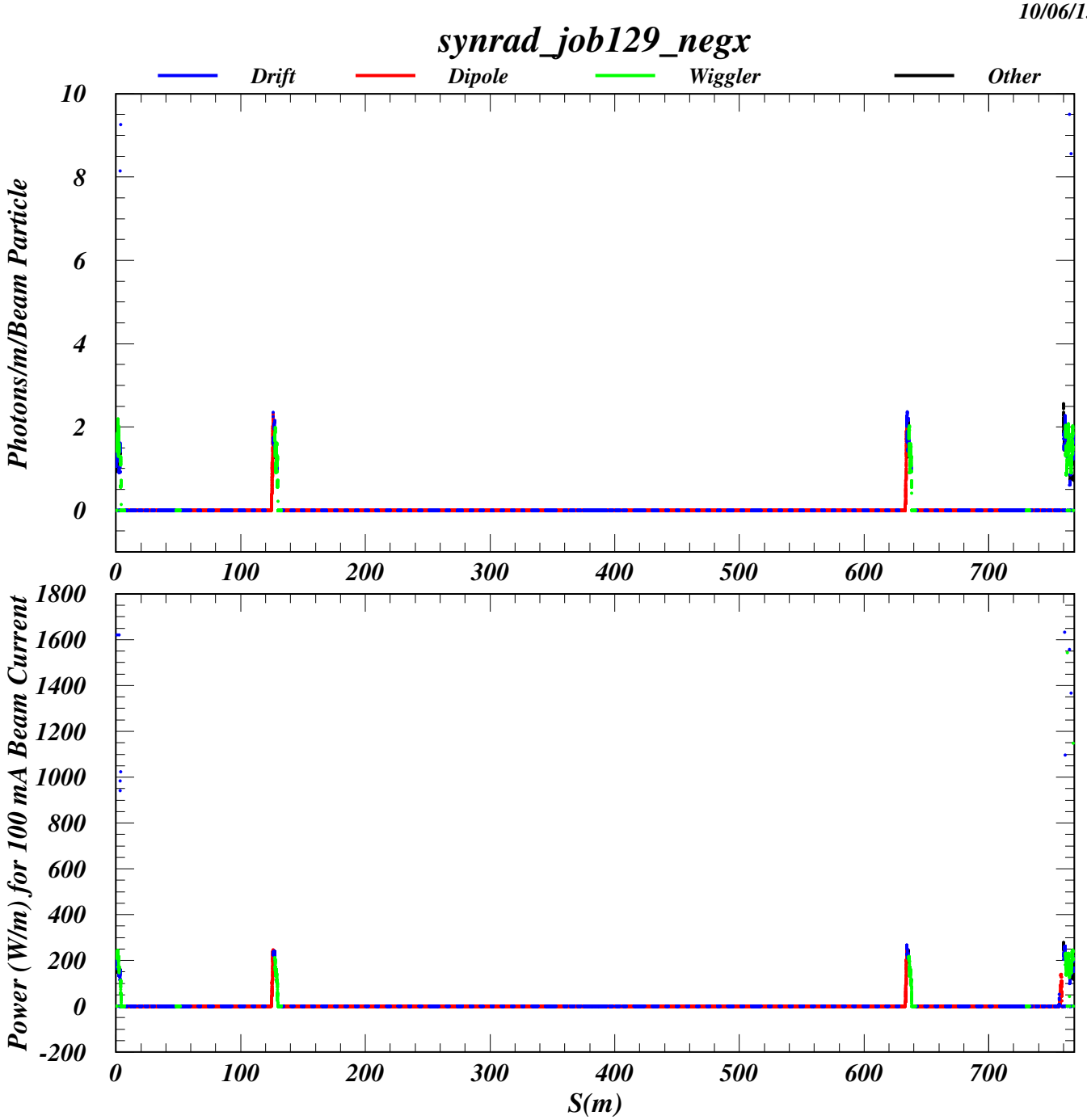
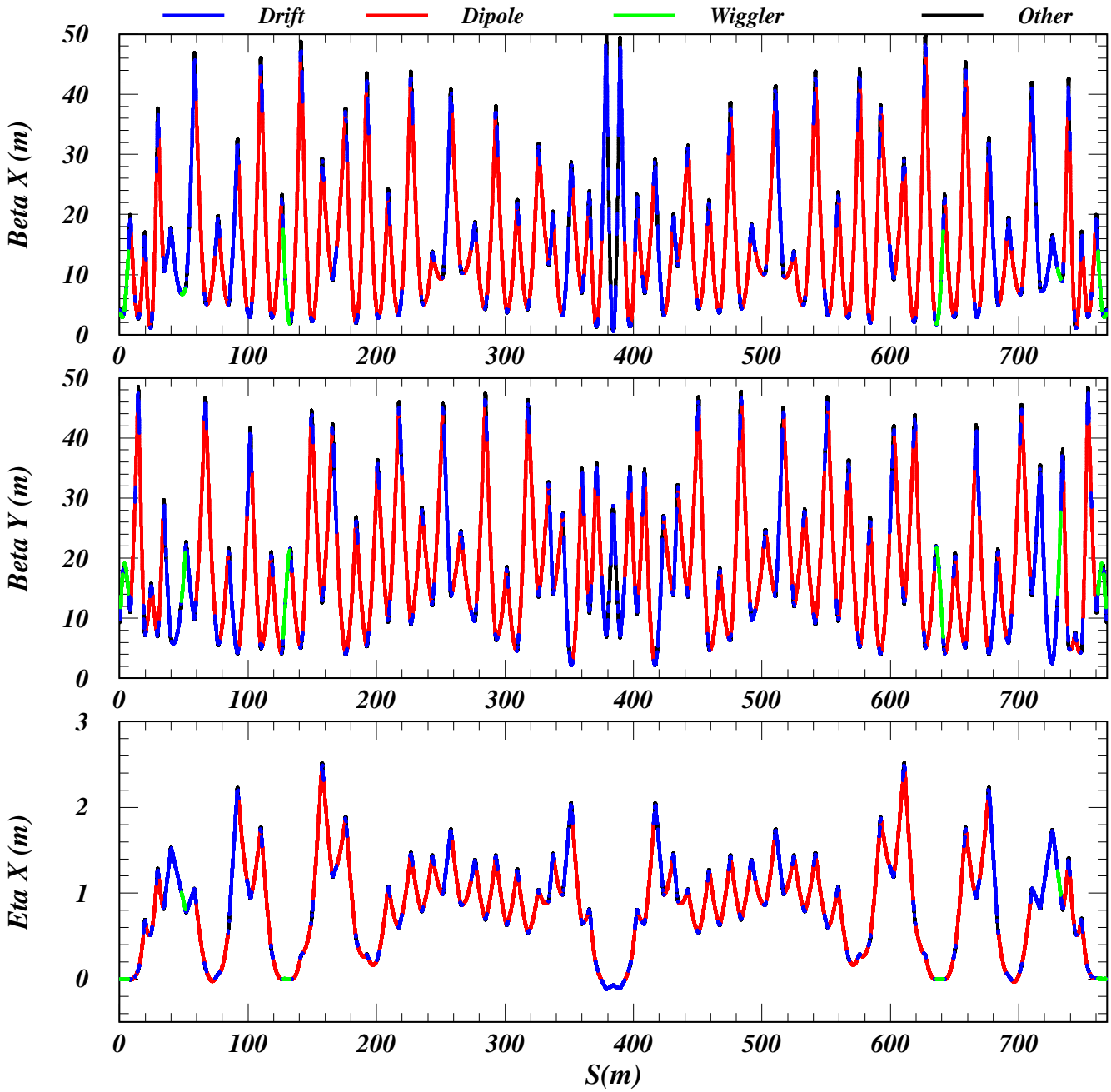
10/06/13 19.23

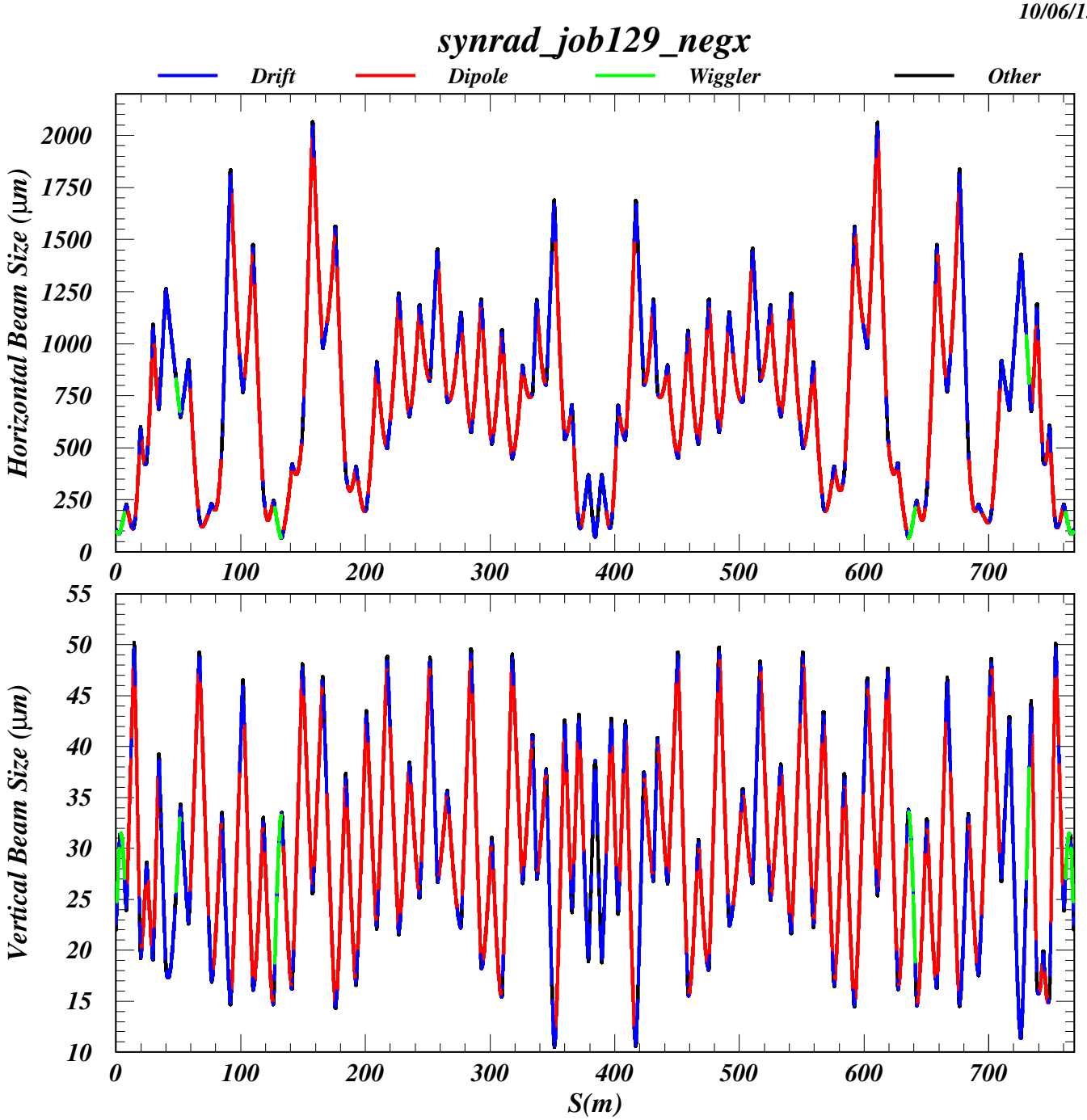

synrad_job129_negx
Drift
Dipole
Wiggler
Other
Photons/m/Beam Particle
10
8
6
4
2
0
0
100
200
300
400
500
600
700
Power (W/m) for 100 mA Beam Current
1800
1600
1400
1200
1000
800
600
400
200
0
-200
0
100
200
300
400
500
600
700
S(m)

10/06/13 19.24

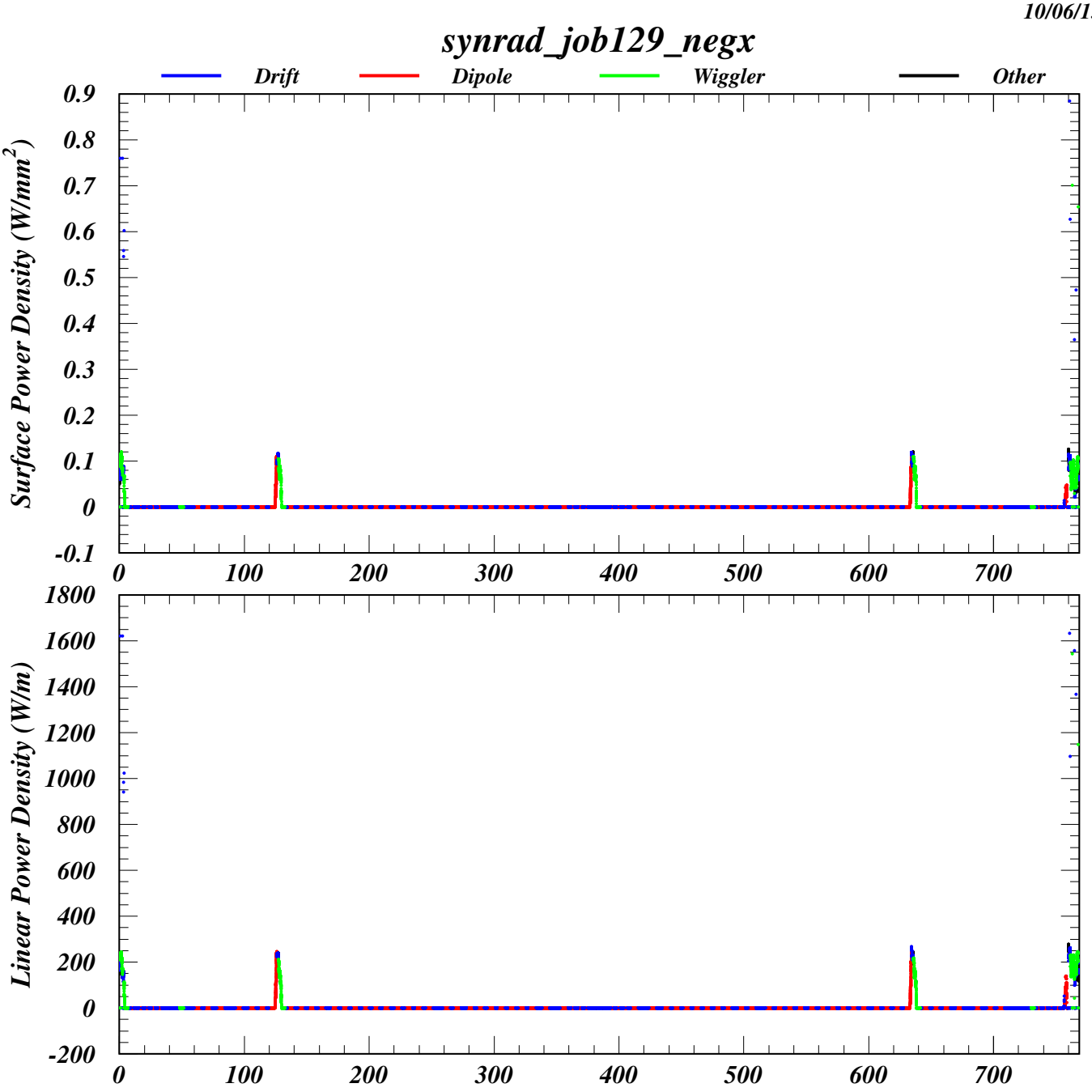
synrad_job129_negx



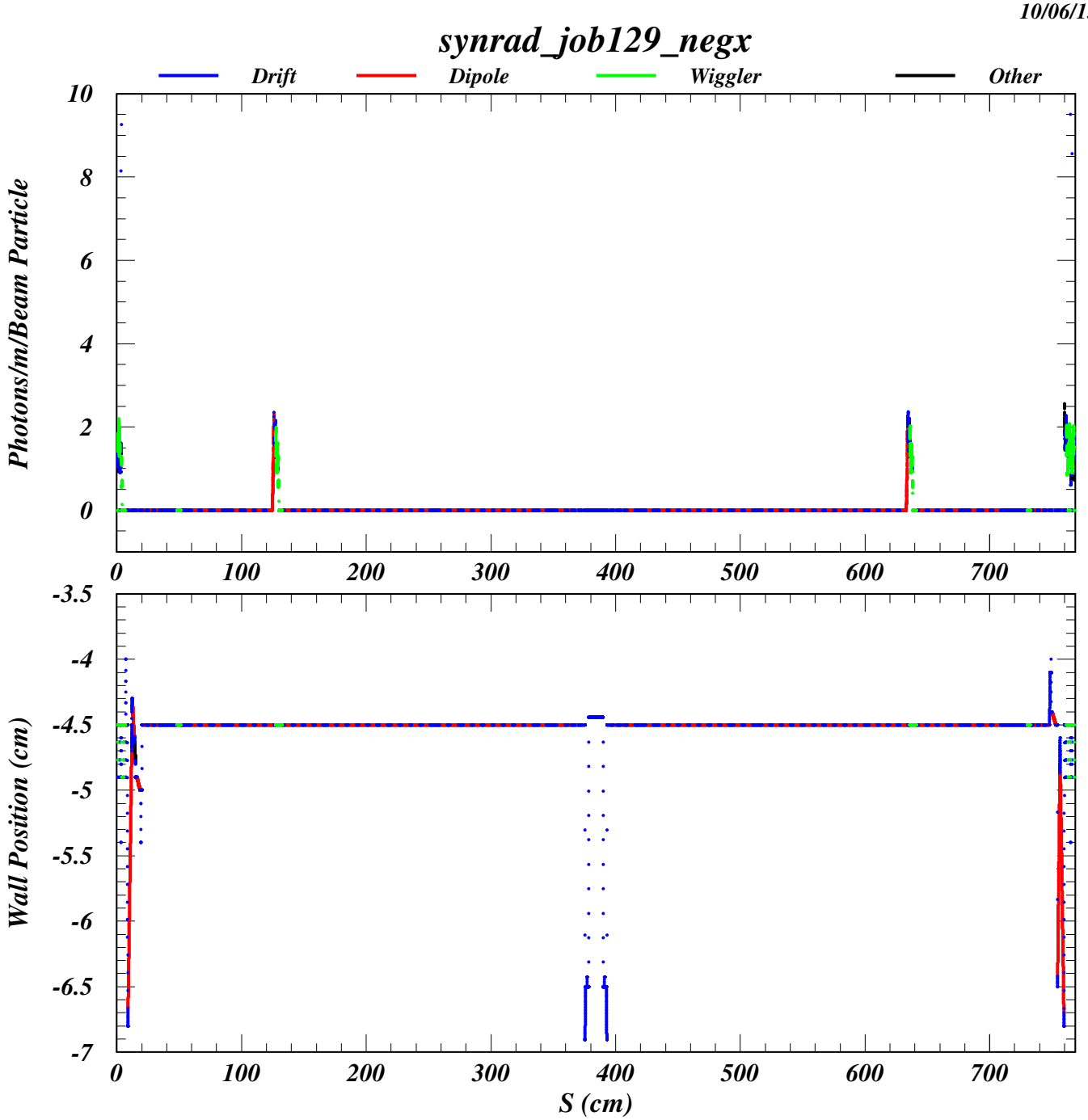
10/06/13 19.26


synrad_job129_negx
Drift
Dipole
Wiggler
Other
Horizontal Beam Size (μm)
2000
1750
1500
1250
1000
750
500
250
0
0
100
200
300
400
500
600
700
Vertical Beam Size (μm)
55
50
45
40
35
30
25
20
15
10
0
100
200
300
400
500
600
700
S(m)

10/06/13 19.28


synrad_job129_negx
Drift
Dipole
Wiggler
Other
Surface Power Density (W/mm²)
0.9
0.8
0.7
0.6
0.5
0.4
0.3
0.2
0.1
0
-0.1
0
100
200
300
400
500
600
700
Linear Power Density (W/m)
1800
1600
1400
1200
1000
800
600
400
200
0
-200
0
100
200
300
400
500
600
700

10/06/13 19.29


synrad_job129_negx
Drift
Dipole
Wiggler
Other
Photons/m/Beam Particle
10
8
6
4
2
0
0
100
200
300
400
500
600
700
Wall Position (cm)
-3.5
-4
-4.5
-5
-5.5
-6
-6.5
-7
S (cm)