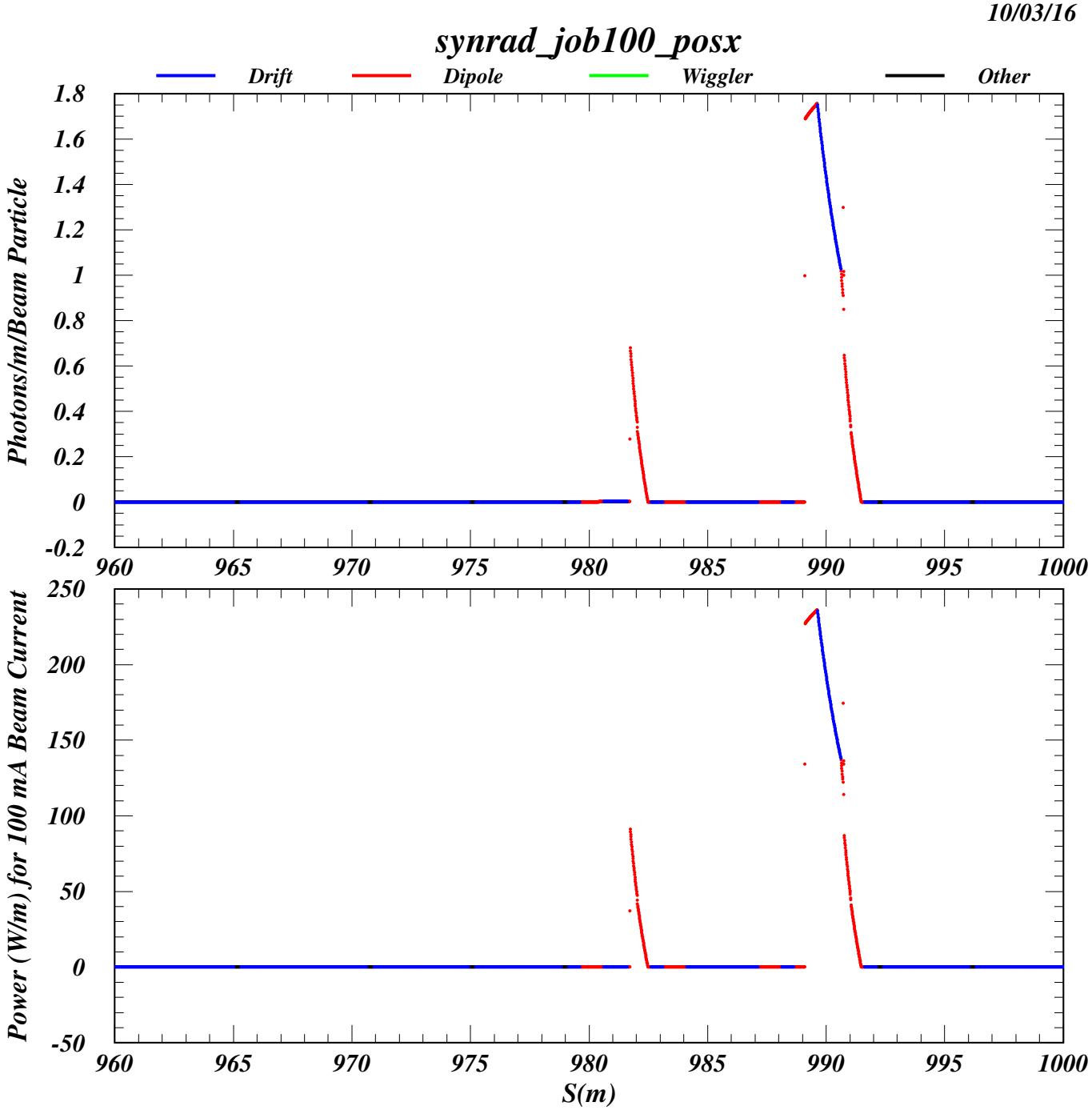
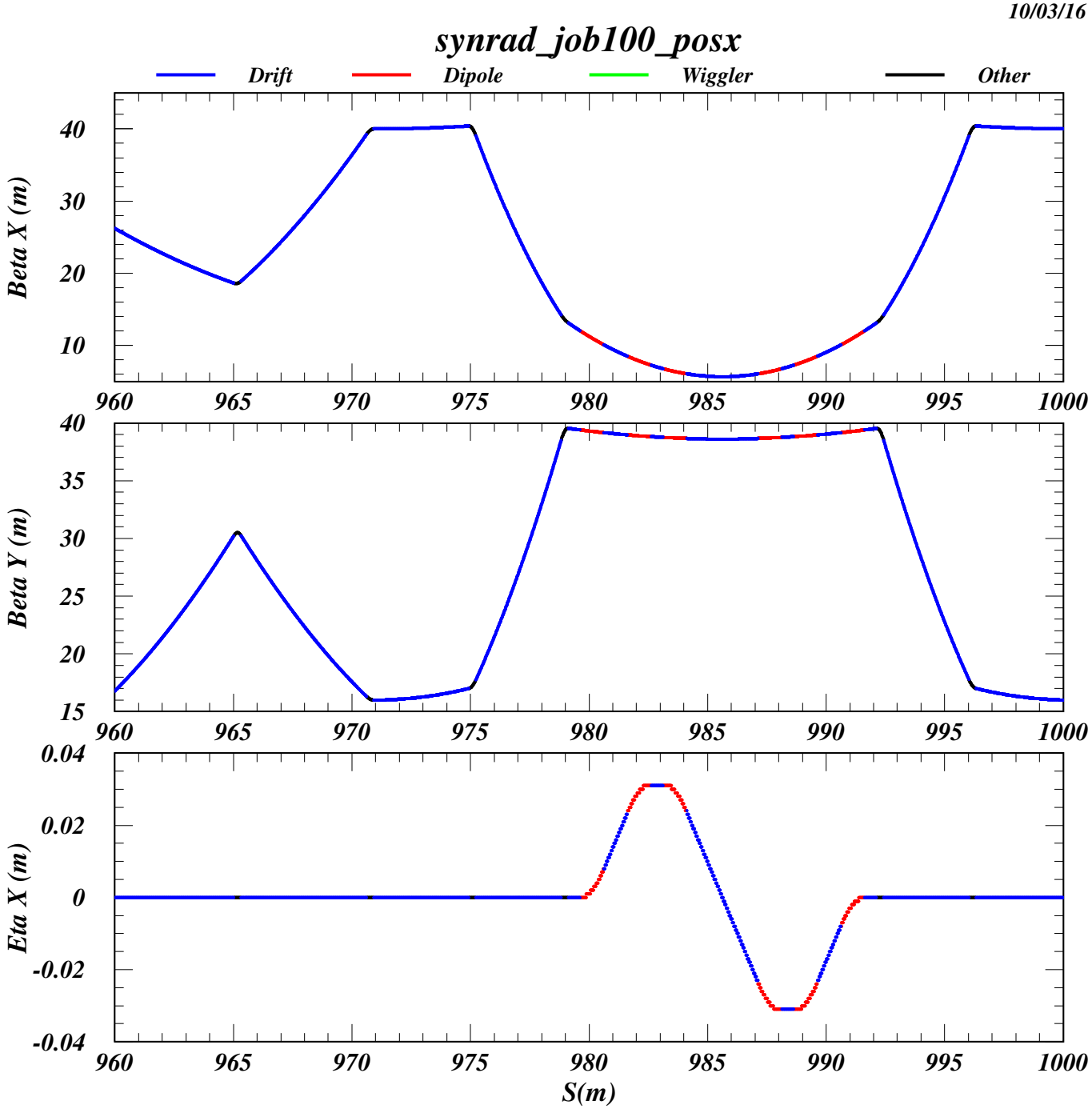
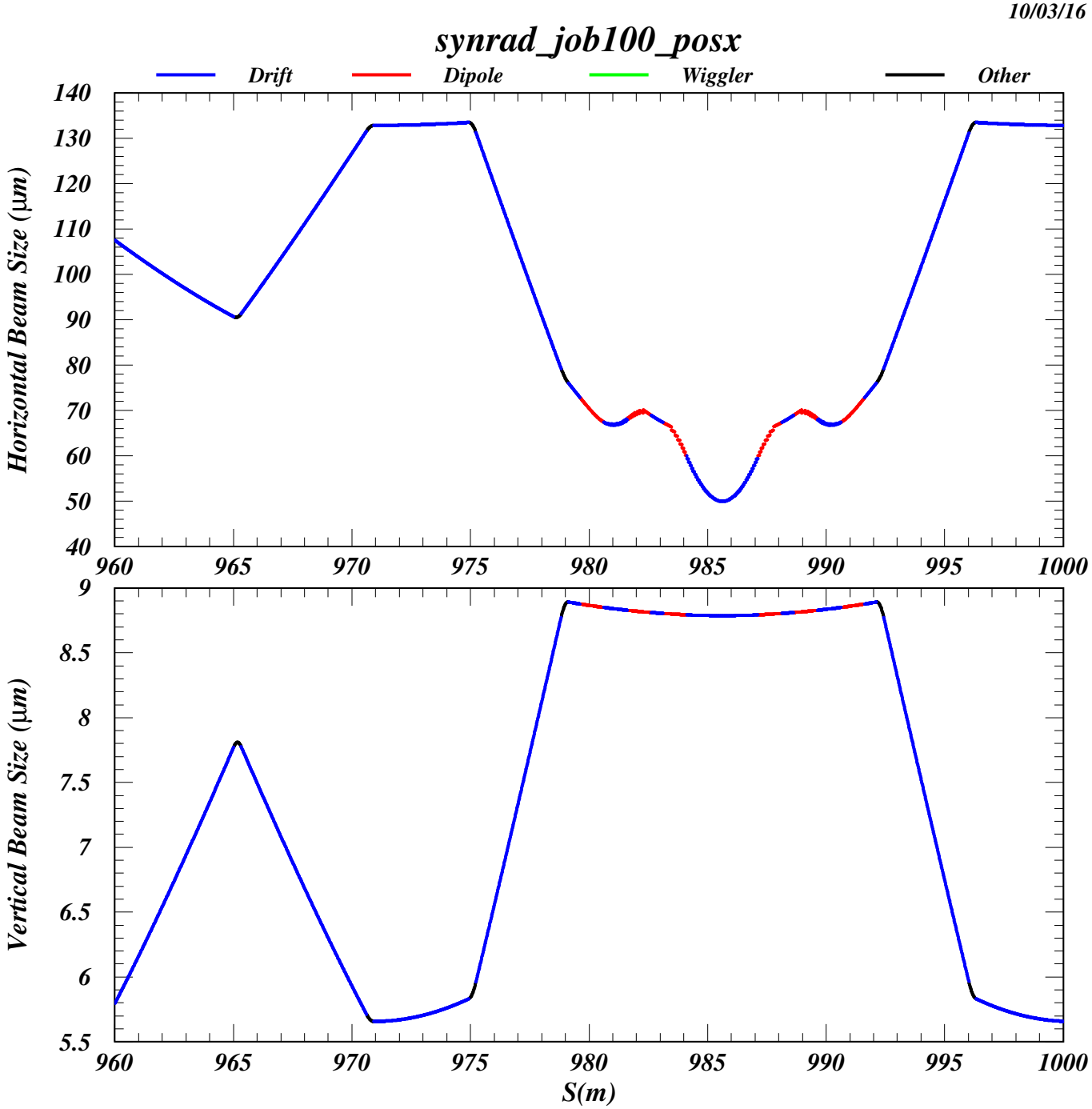
10/03/16 15.36


synrad_job100_posx
Drift
Dipole
Wiggler
Other
Photons/m/Beam Particle
1.8
1.6
1.4
1.2
1
0.8
0.6
0.4
0.2
0
-0.2
960
965
970
975
980
985
990
995
1000
Power (W/m) for 100 mA Beam Current
250
200
150
100
50
0
-50
960
965
970
975
980
985
990
995
1000
S(m)

10/03/16 15.36


synrad_job100_posx
Drift
Dipole
Wiggler
Other
Beta X (m)
40
30
20
10
960
965
970
975
980
985
990
995
1000
Beta Y (m)
40
35
30
25
20
15
Eta X (m)
0.04
0.02
0
-0.02
-0.04
S(m)

10/03/16 15.36


synrad_job100_posx
Drift
Dipole
Wiggler
Other
Horizontal Beam Size (μm)
140
130
120
110
100
90
80
70
60
50
40
960
965
970
975
980
985
990
995
1000
Vertical Beam Size (μm)
9
8.5
8
7.5
7
6.5
6
5.5
S(m)

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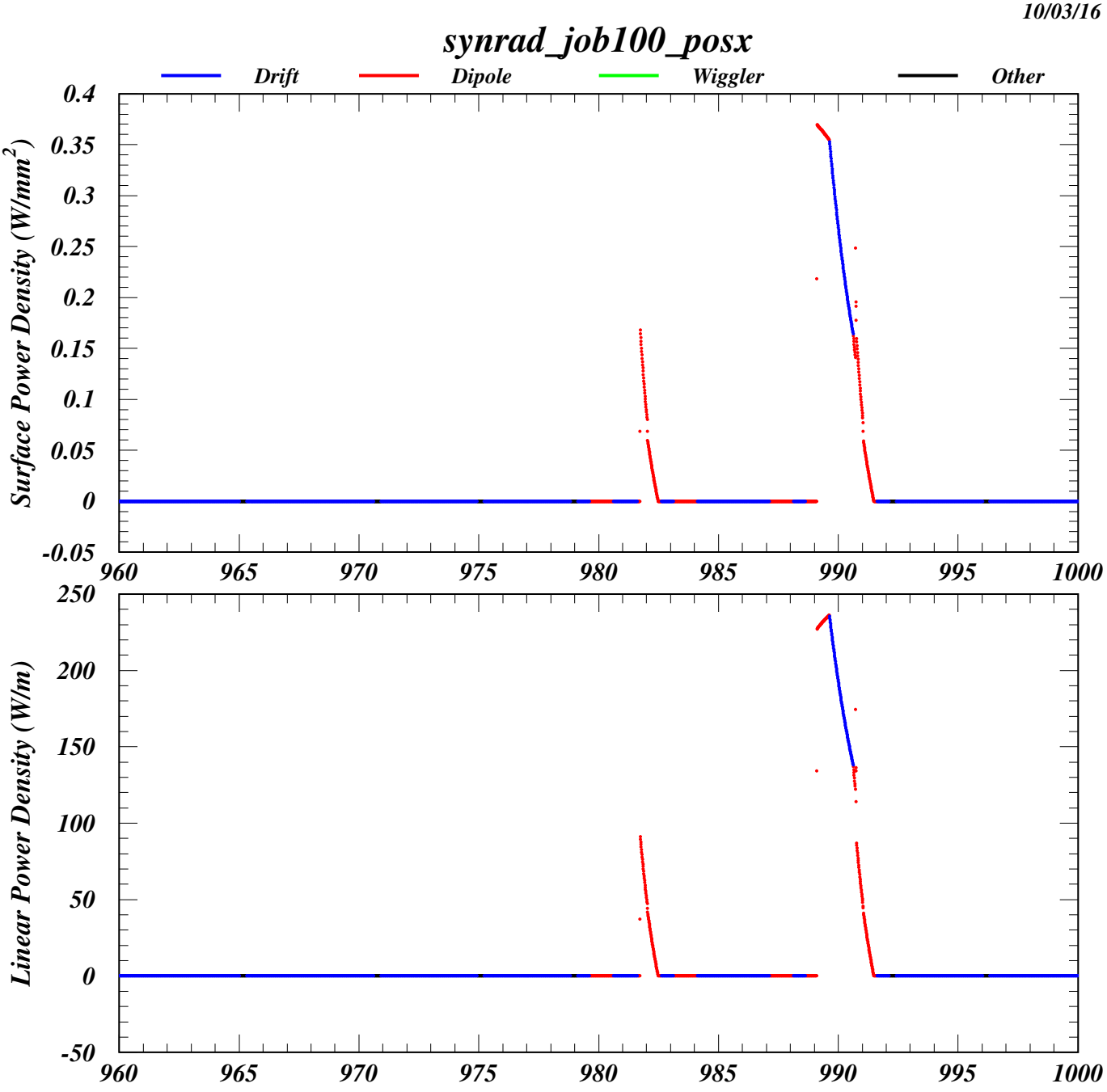
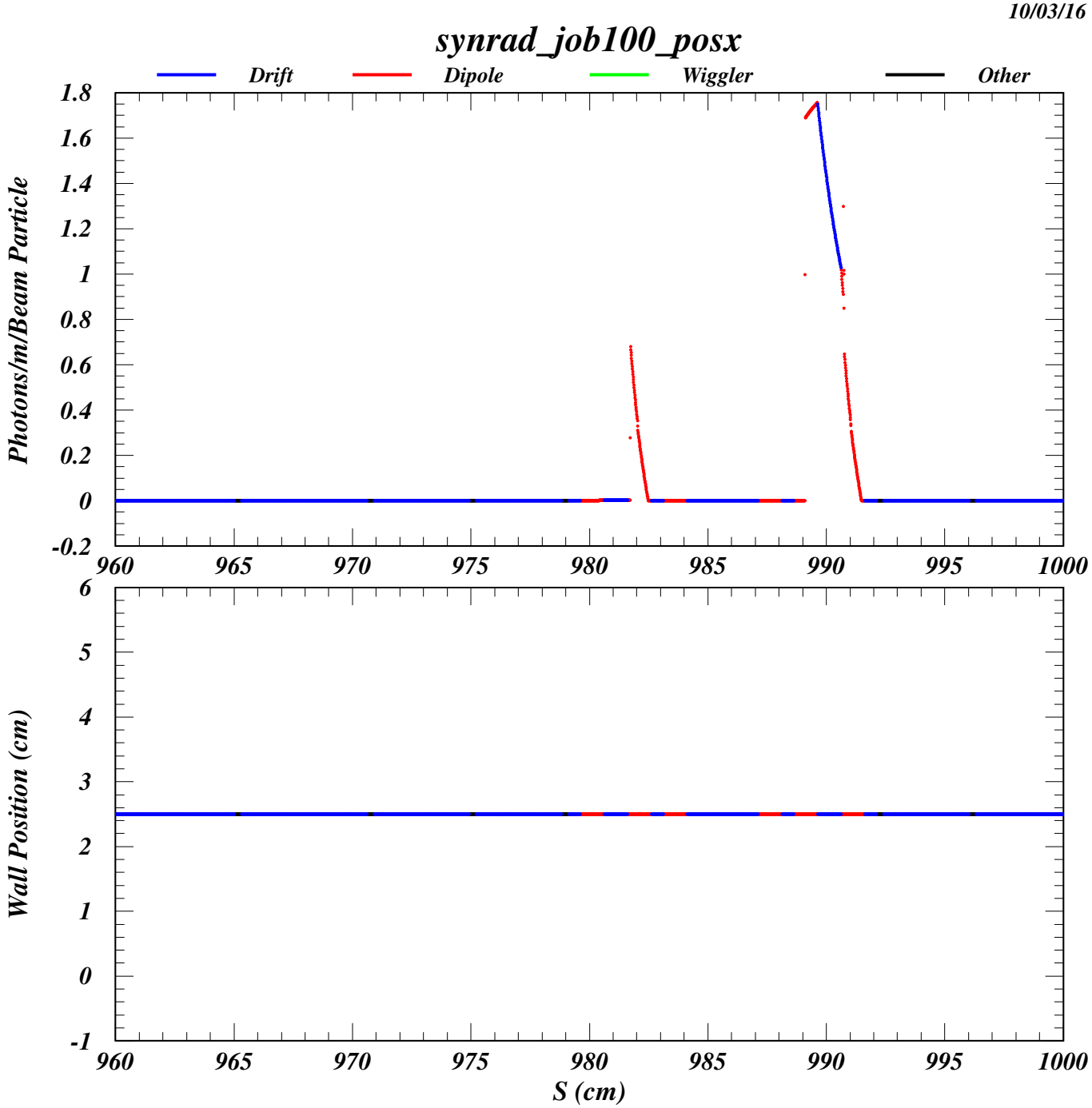

synrad_job100_posx
Drift
Dipole
Wiggler
Other
Surface Power Density (W/mm^2)
0.4
0.35
0.3
0.25
0.2
0.15
0.1
0.05
0
-0.05
960
965
970
975
980
985
990
995
1000
Linear Power Density (W/m)
250
200
150
100
50
0
-50
960
965
970
975
980
985
990
995
1000

10/03/16 15.36


synrad_job100_posx
Drift
Dipole
Wiggler
Other
Photons/m/Beam Particle
1.8
1.6
1.4
1.2
1
0.8
0.6
0.4
0.2
0
-0.2
960
965
970
975
980
985
990
995
1000
Wall Position (cm)
6
5
4
3
2
1
0
-1
S (cm)