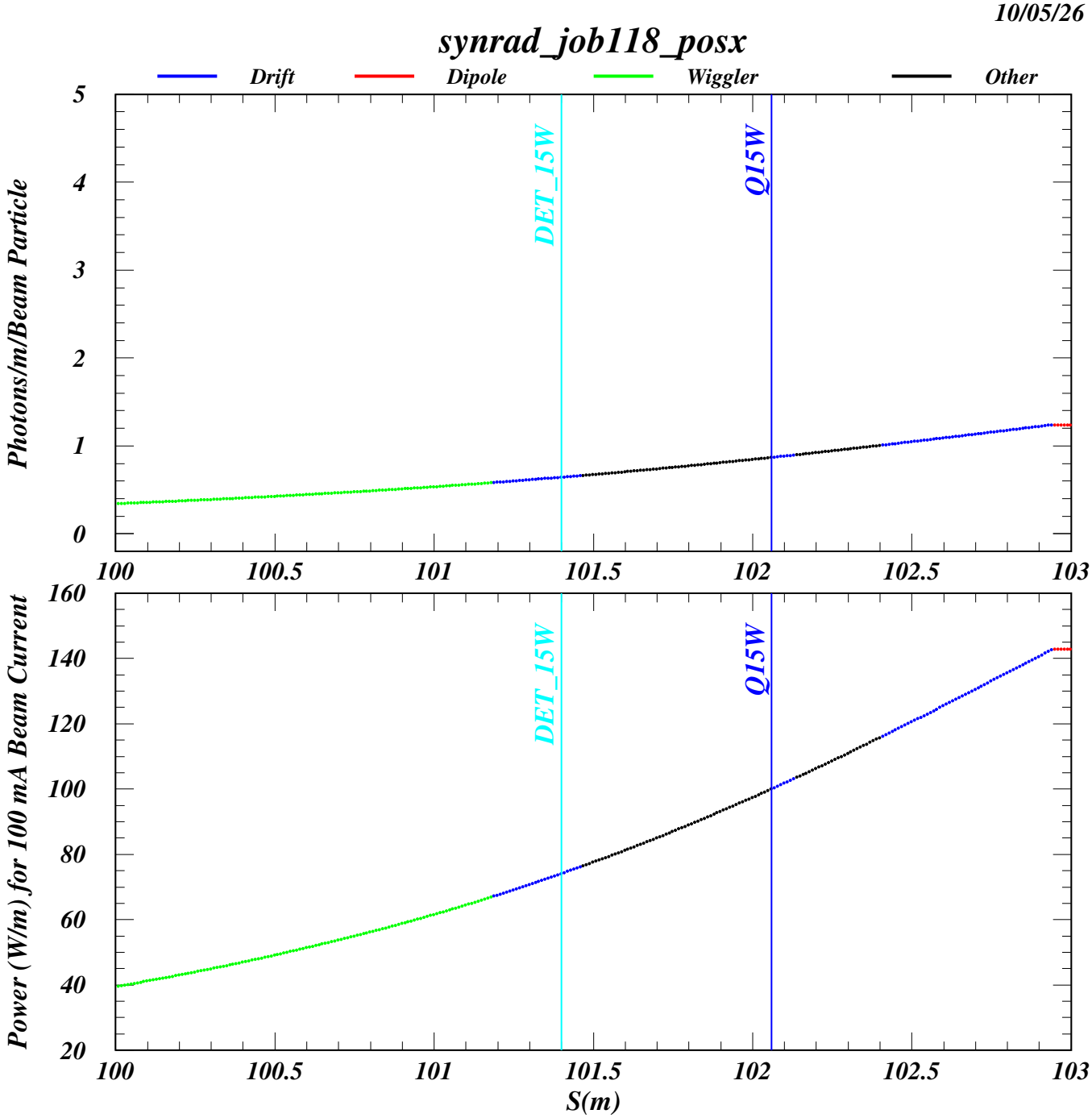
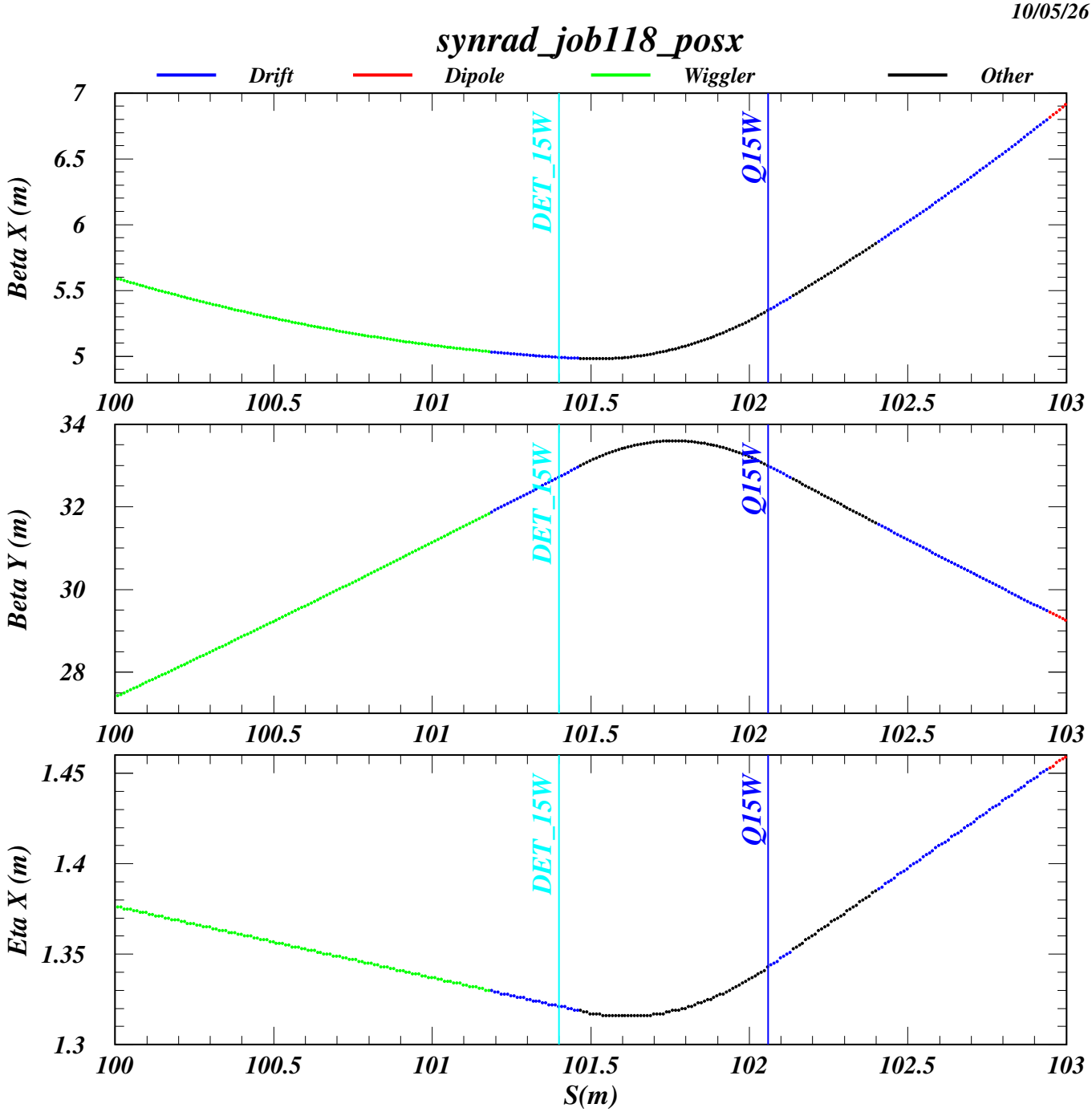
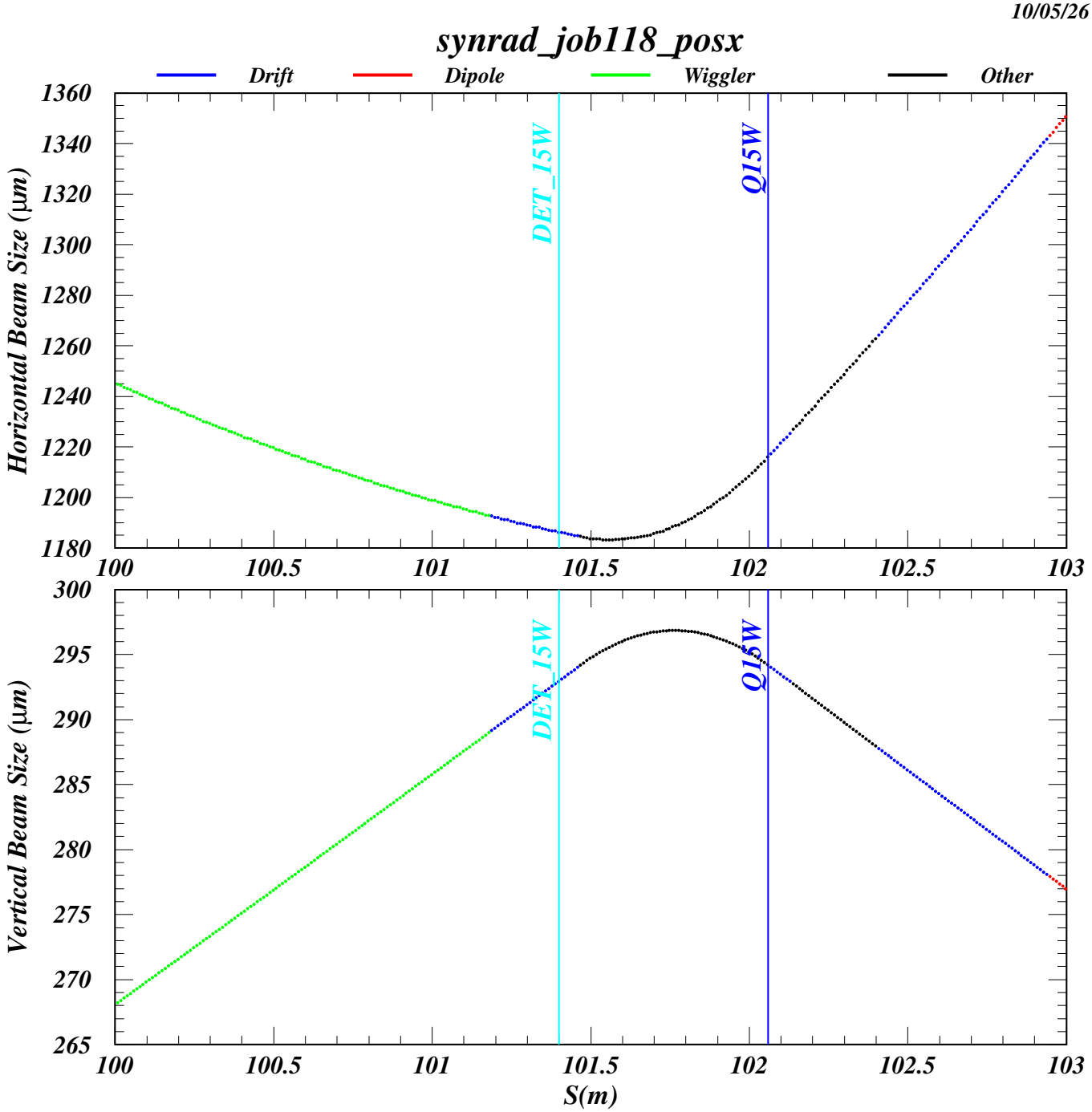
10/05/26 12.26


synrad_job118_posx
Drift
Dipole
Wiggler
Other
Photons/m/Beam Particle
DET_15W
Q15W
0
1
2
3
4
5
100
100.5
101
101.5
102
102.5
103
Power (W/m) for 100 mA Beam Current
20
40
60
80
100
120
140
160
S(m)

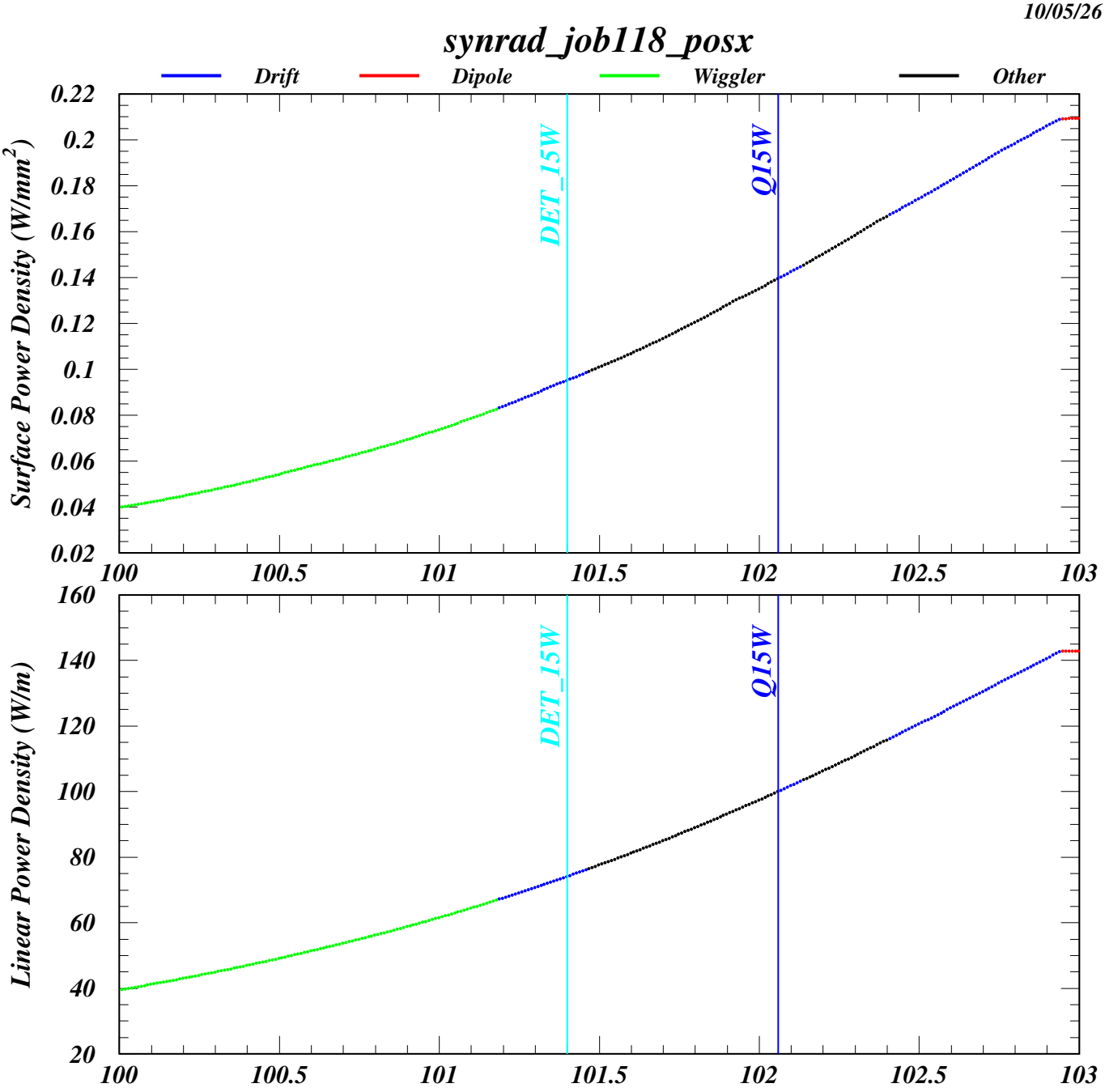
10/05/26 12.26


synrad_job118_posx
Drift
Dipole
Wiggler
Other
Beta X (m)
Beta Y (m)
Eta X (m)
DET_15W
Q15W
S(m)

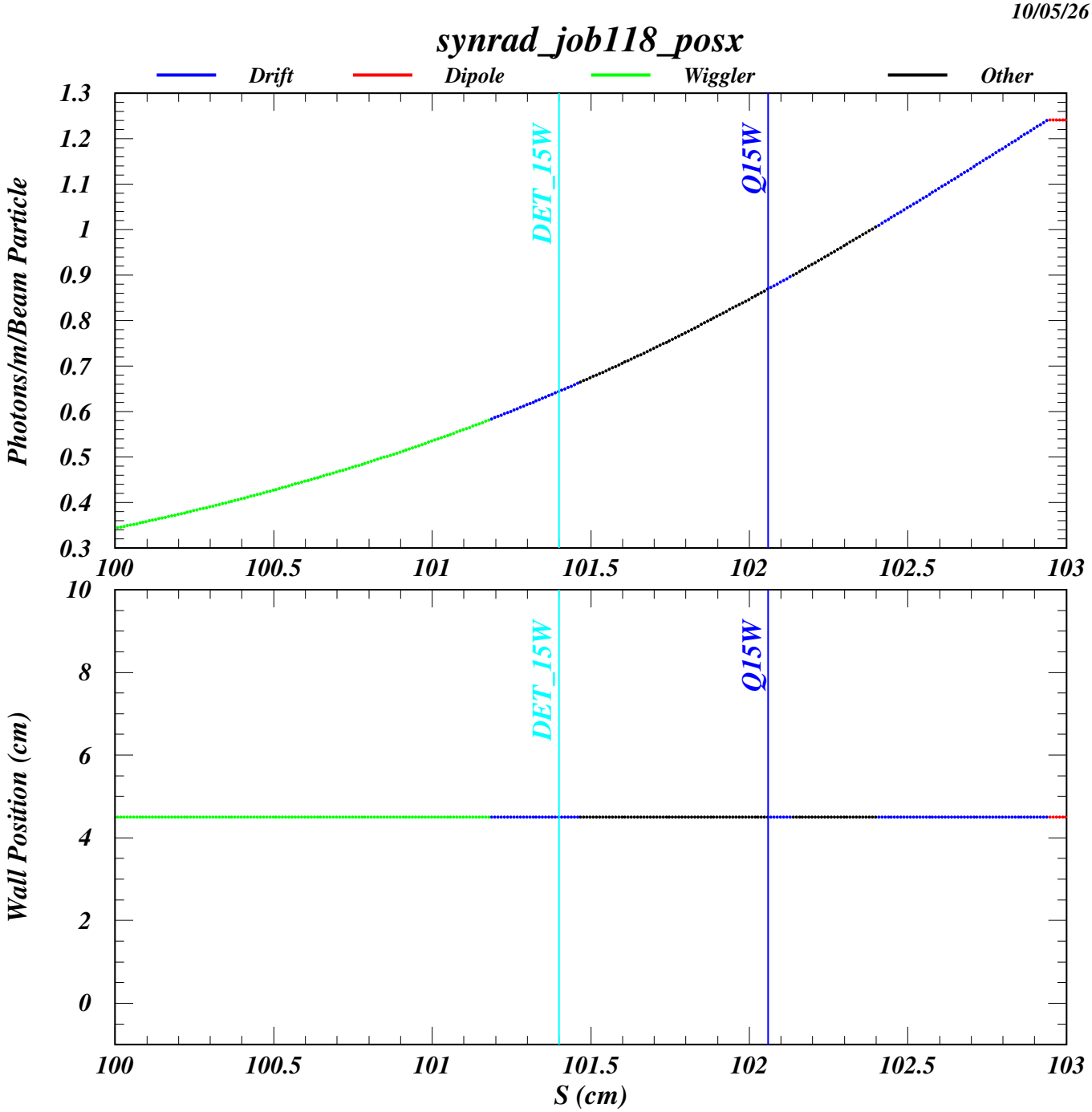
10/05/26 12.26


synrad_job118_posx
Drift
Dipole
Wiggler
Other
Horizontal Beam Size (μm)
1360
1340
1320
1300
1280
1260
1240
1220
1200
1180
DET_15W
Q15W
100
100.5
101
101.5
102
102.5
103
Vertical Beam Size (μm)
300
295
290
285
280
275
270
265
DET_15W
Q15W
100
100.5
101
101.5
102
102.5
103
S(m)

10/05/26 12.26


synrad_job118_posx
Drift
Dipole
Wiggler
Other
Surface Power Density (W/mm^2)
0.22
0.2
0.18
0.16
0.14
0.12
0.1
0.08
0.06
0.04
0.02
DET_15W
Q15W
100
100.5
101
101.5
102
102.5
103
Linear Power Density (W/m)
160
140
120
100
80
60
40
20
DET_15W
Q15W
100
100.5
101
101.5
102
102.5
103

10/05/26 12.26


synrad_job118_posx
Drift
Dipole
Wiggler
Other
Photons/m/Beam Particle
1.3
1.2
1.1
1
0.9
0.8
0.7
0.6
0.5
0.4
0.3
DET_15W
Q15W
100
100.5
101
101.5
102
102.5
103
Wall Position (cm)
10
8
6
4
2
0
S (cm)