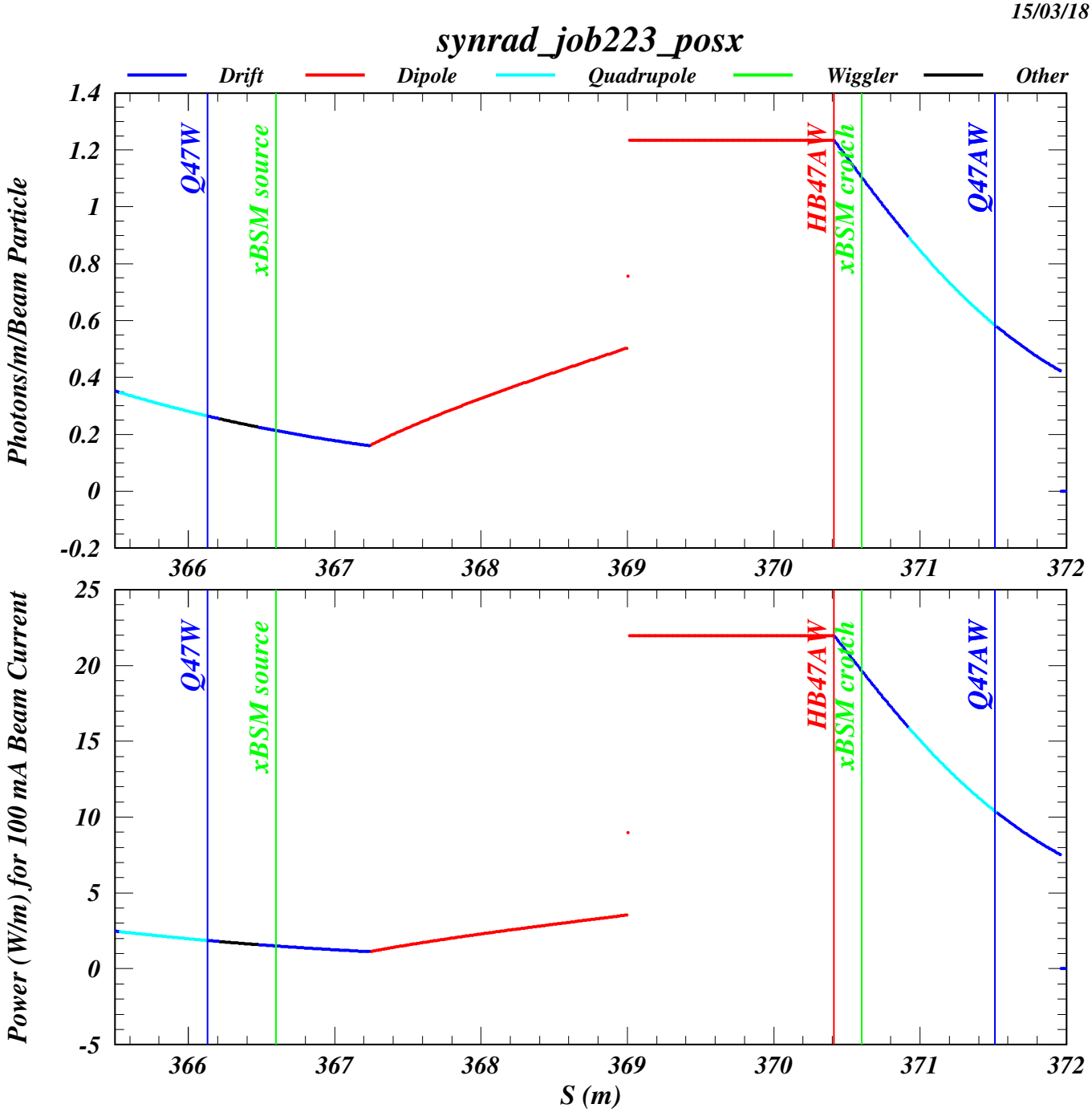
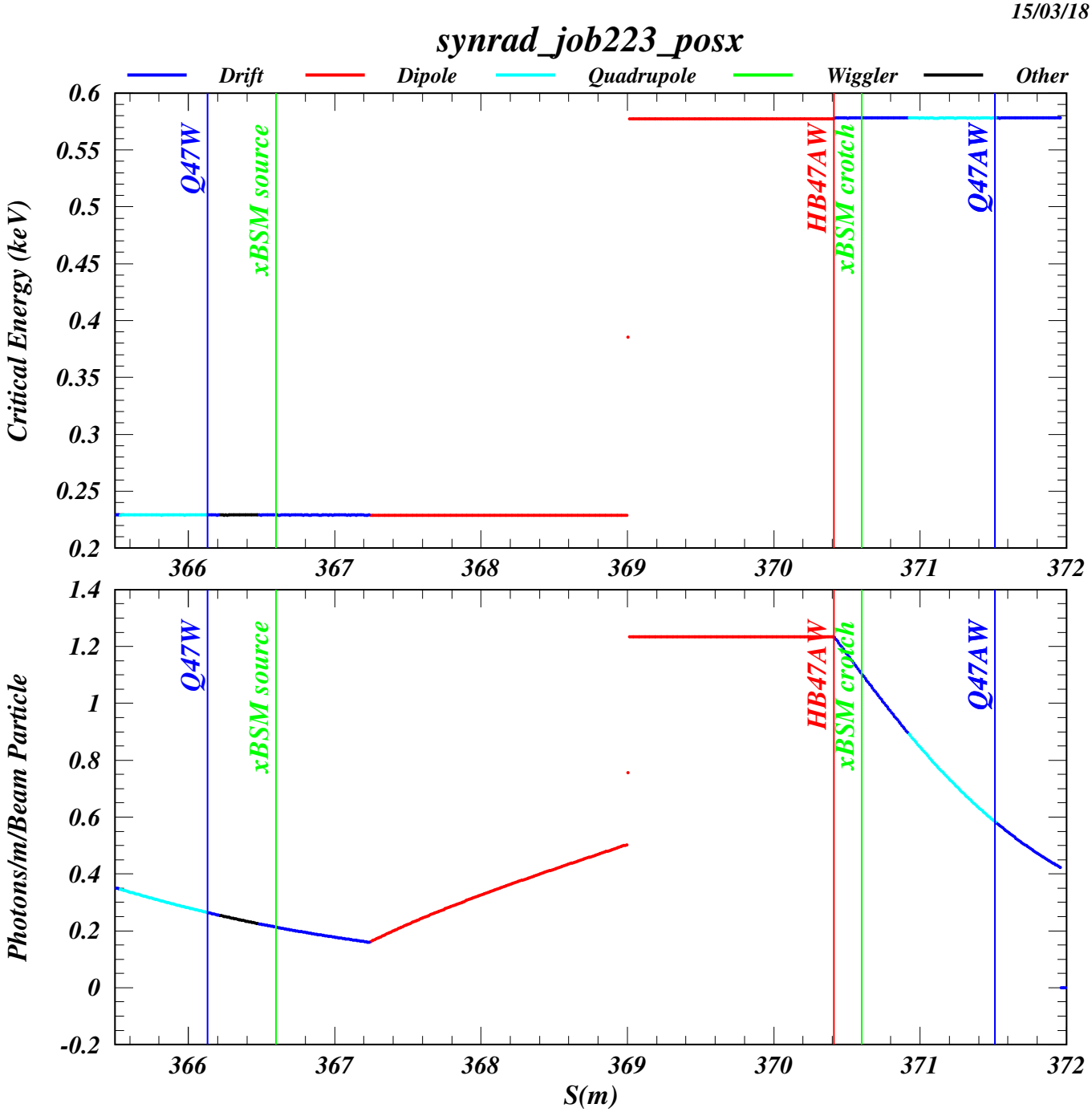
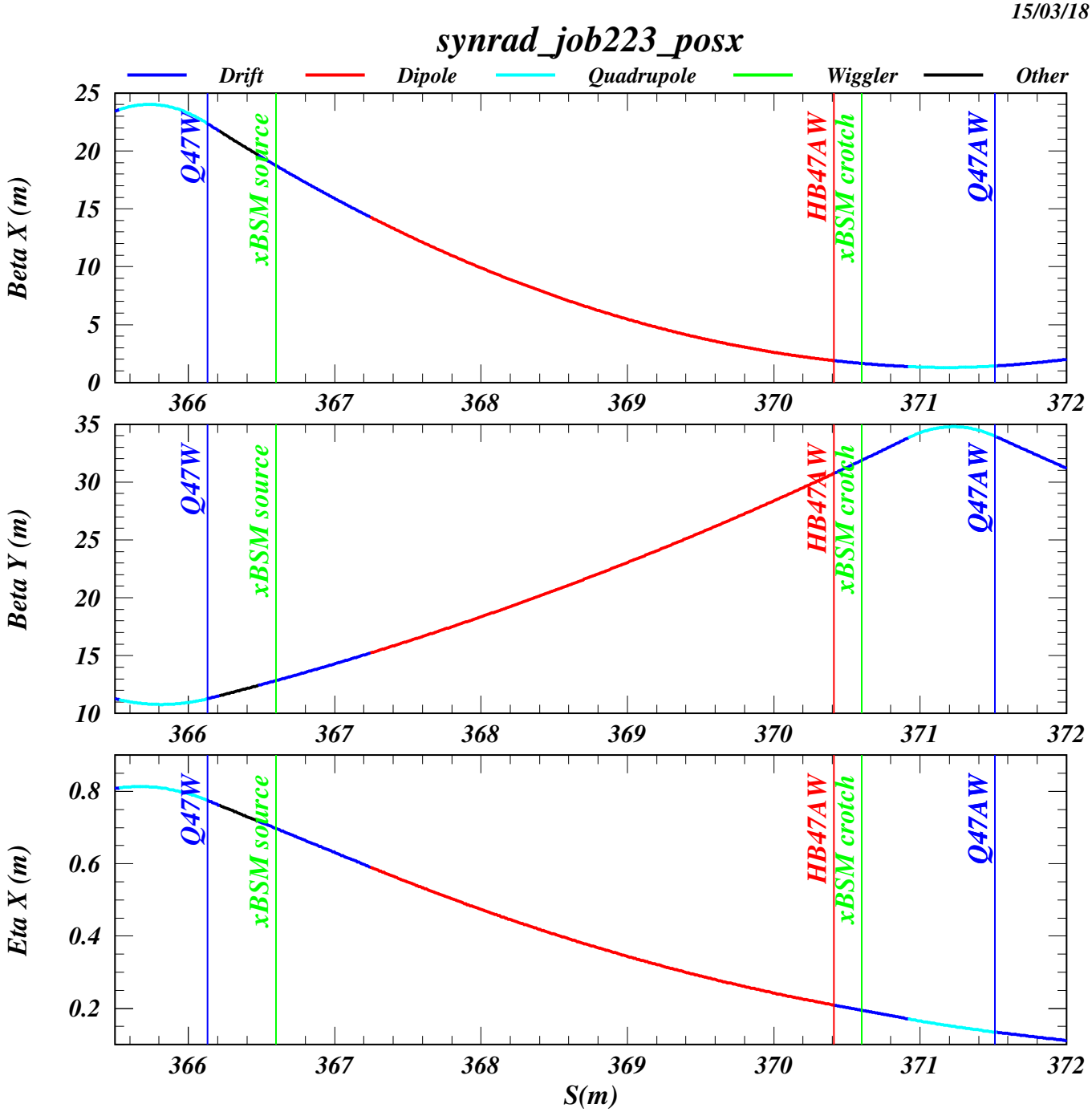
15/03/18 11.29


synrad_job223_posx
Drift
Dipole
Quadrupole
Wiggler
Other
Photons/m/Beam Particle
Power (W/m) for 100 mA Beam Current
S (m)
Q47W
xBSM source
HB47AW
xBSM crotch
Q47AW
1.4
1.2
1
0.8
0.6
0.4
0.2
0
-0.2
25
20
15
10
5
0
-5
366
367
368
369
370
371
372

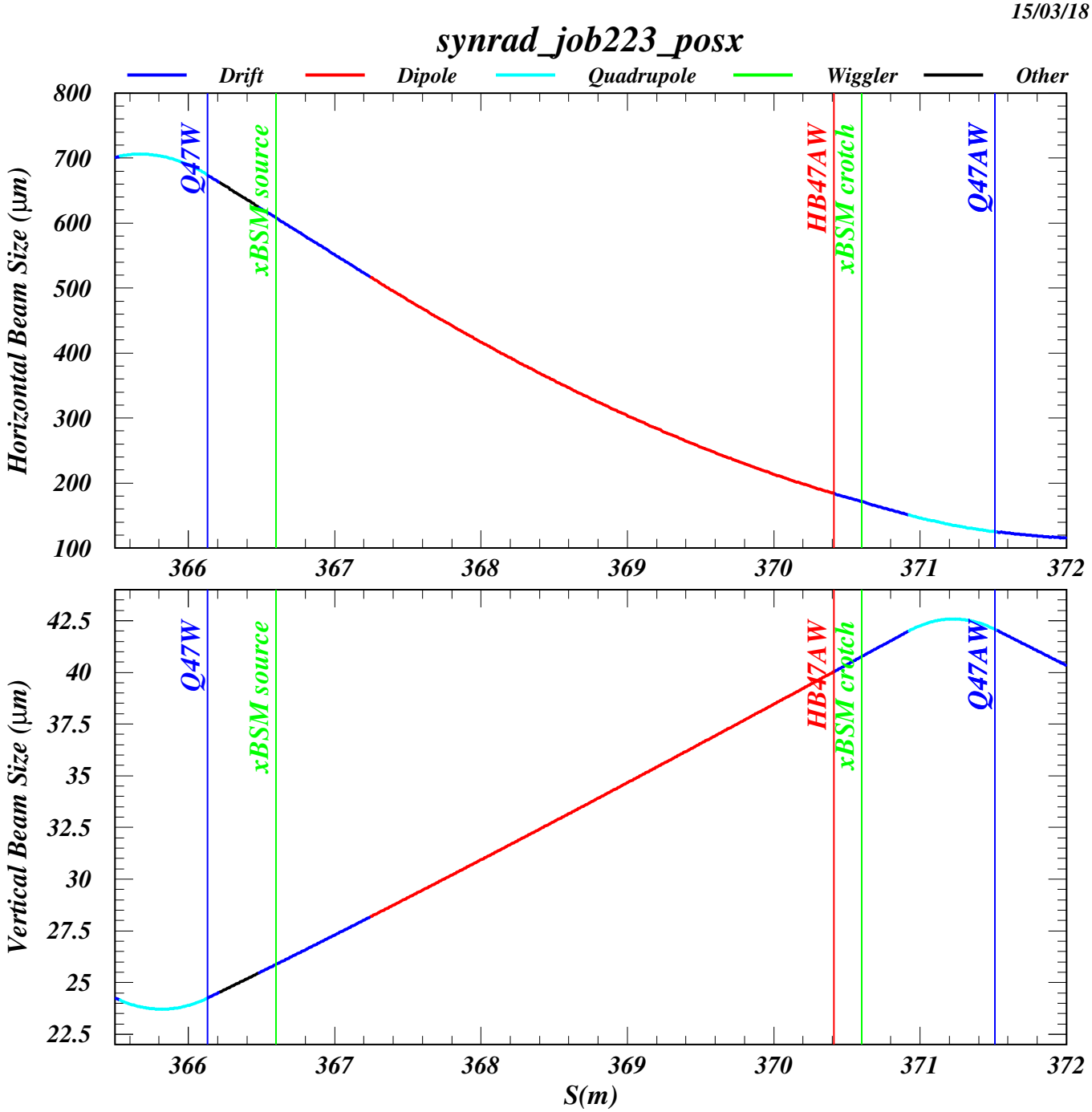
15/03/18 11.29

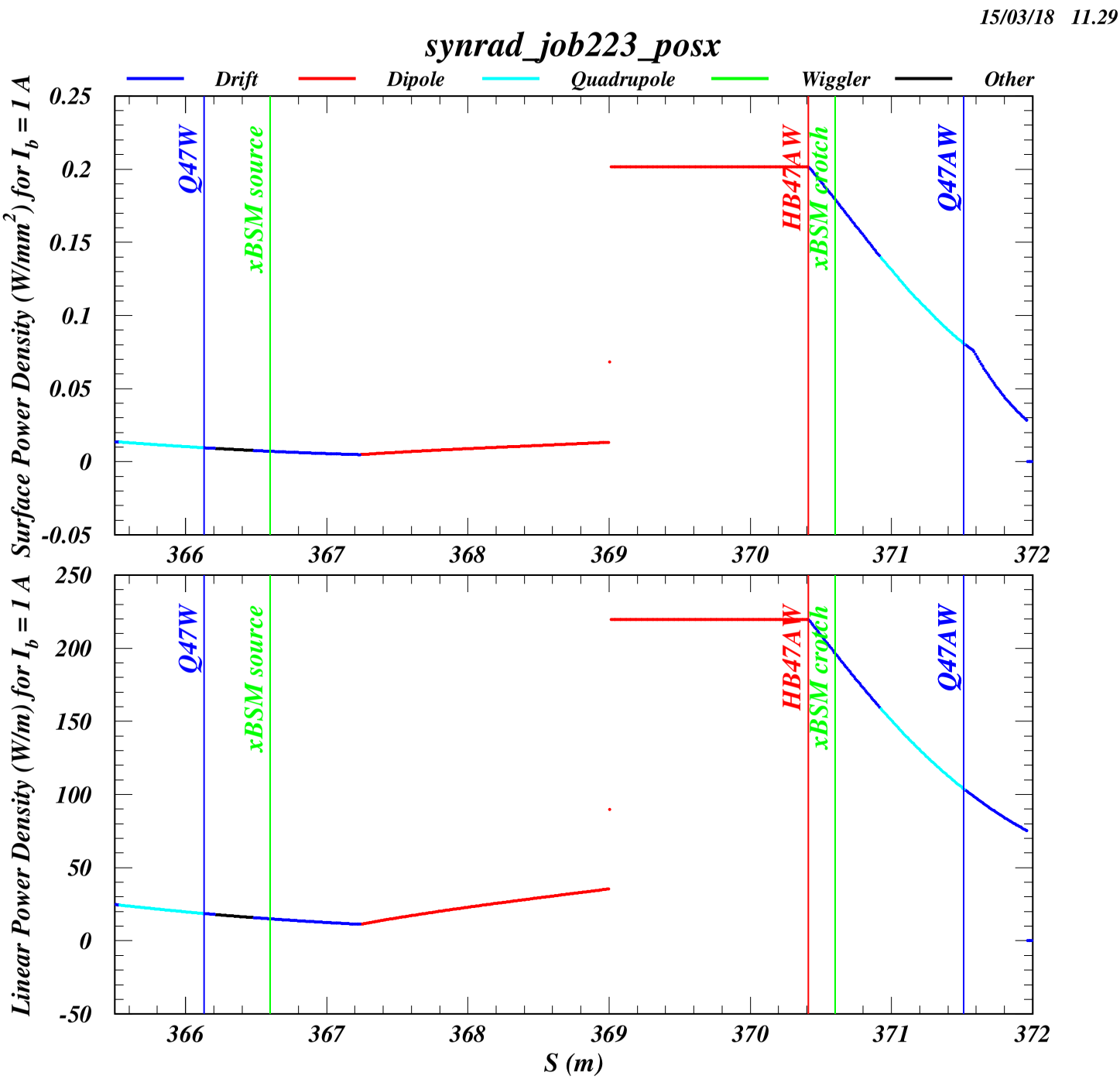

synrad_job223_posx
Drift
Dipole
Quadrupole
Wiggler
Other
Critical Energy (keV)
Photons/m/Beam Particle
S(m)
Q47W
xBSM source
HB47AW
xBSM crotch
Q47AW

15/03/18 11.29

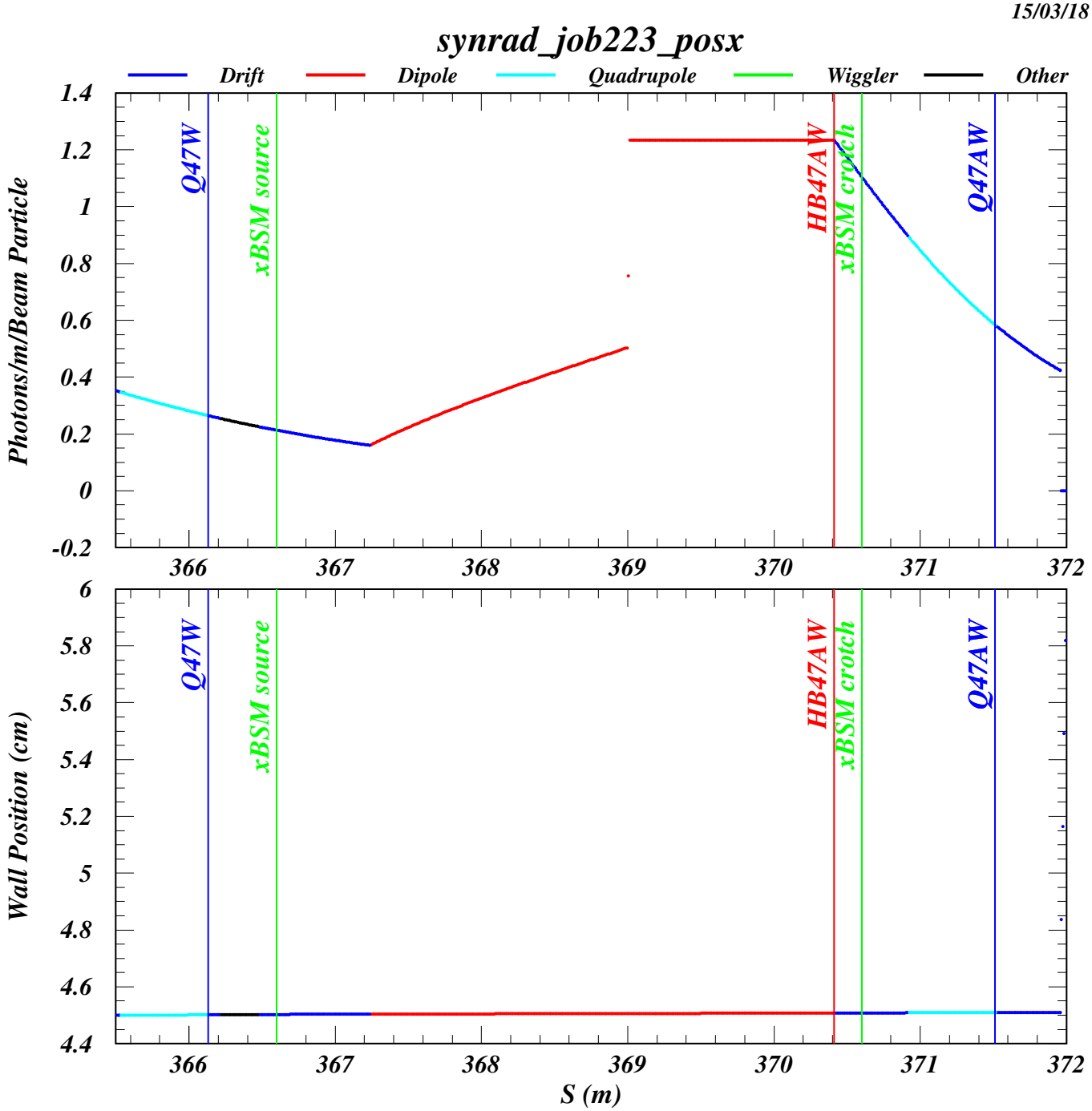

synrad_job223_posx
Drift
Dipole
Quadrupole
Wiggler
Other
Beta X (m)
Beta Y (m)
Eta X (m)
S(m)
Q47W
xBSM source
HB47AW
xBSM crotch
Q47AW

15/03/18 11.29


synrad_job223_posx
Drift
Dipole
Quadrupole
Wiggler
Other
Horizontal Beam Size (μm)
800
700
600
500
400
300
200
100
Q47W
xBSM source
HB47AW
xBSM crotch
Q47AW
366
367
368
369
370
371
372
Vertical Beam Size (μm)
42.5
40
37.5
35
32.5
30
27.5
25
22.5
S(m)


15/03/18 11.29
synrad_job223_posx
Drift
Dipole
Quadrupole
Wiggler
Other
Surface Power Density (W/mm^2) for I_b = 1 A
Linear Power Density (W/m) for I_b = 1 A
Q47W
xBSM source
HB47AW
xBSM crotch
Q47AW
S (m)

15/03/18 11.29


synrad_job223_posx
Drift
Dipole
Quadrupole
Wiggler
Other
Photons/m/Beam Particle
Wall Position (cm)
S (m)
Q47W
xBSM source
HB47AW
xBSM crotch
Q47AW