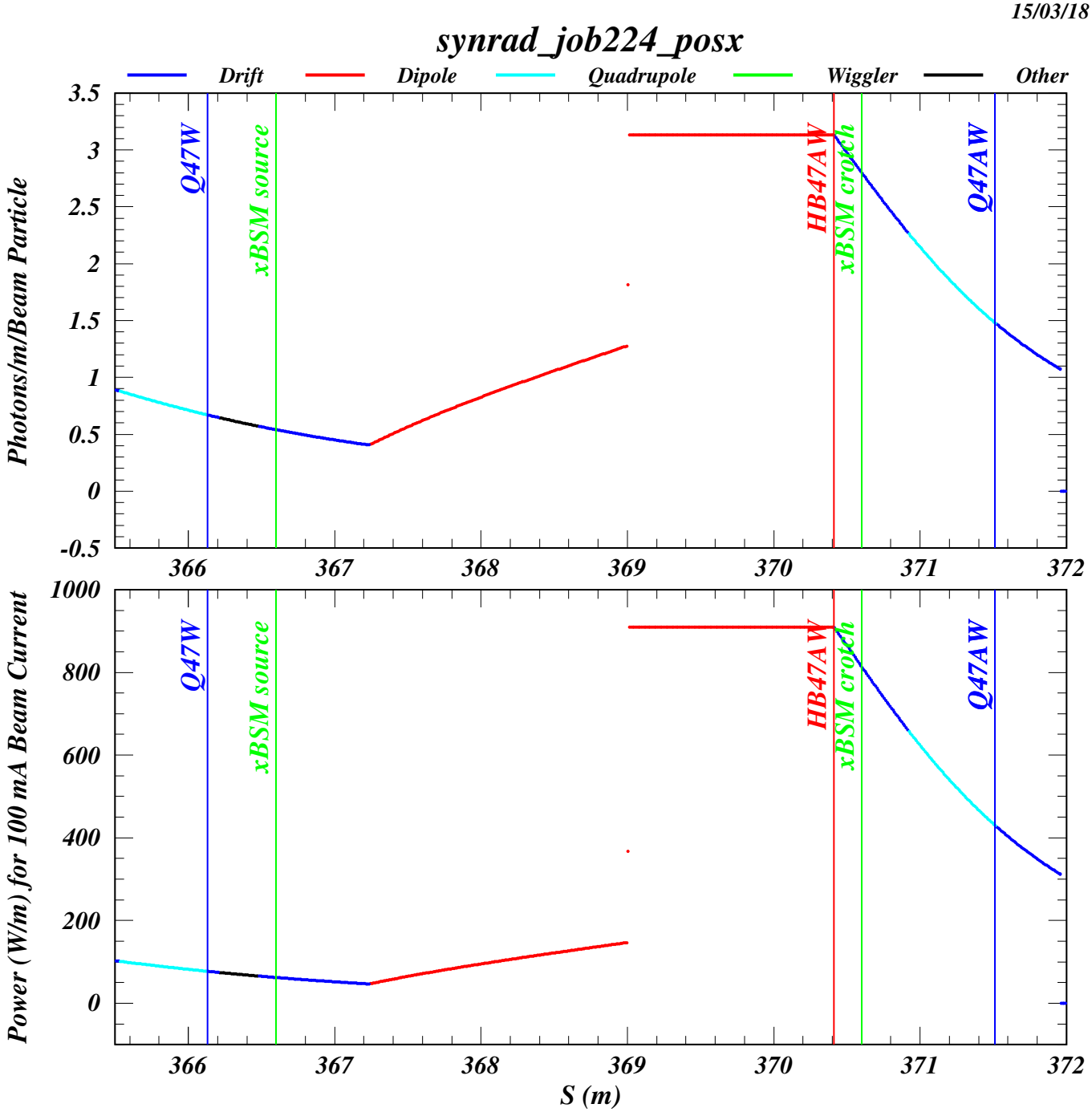
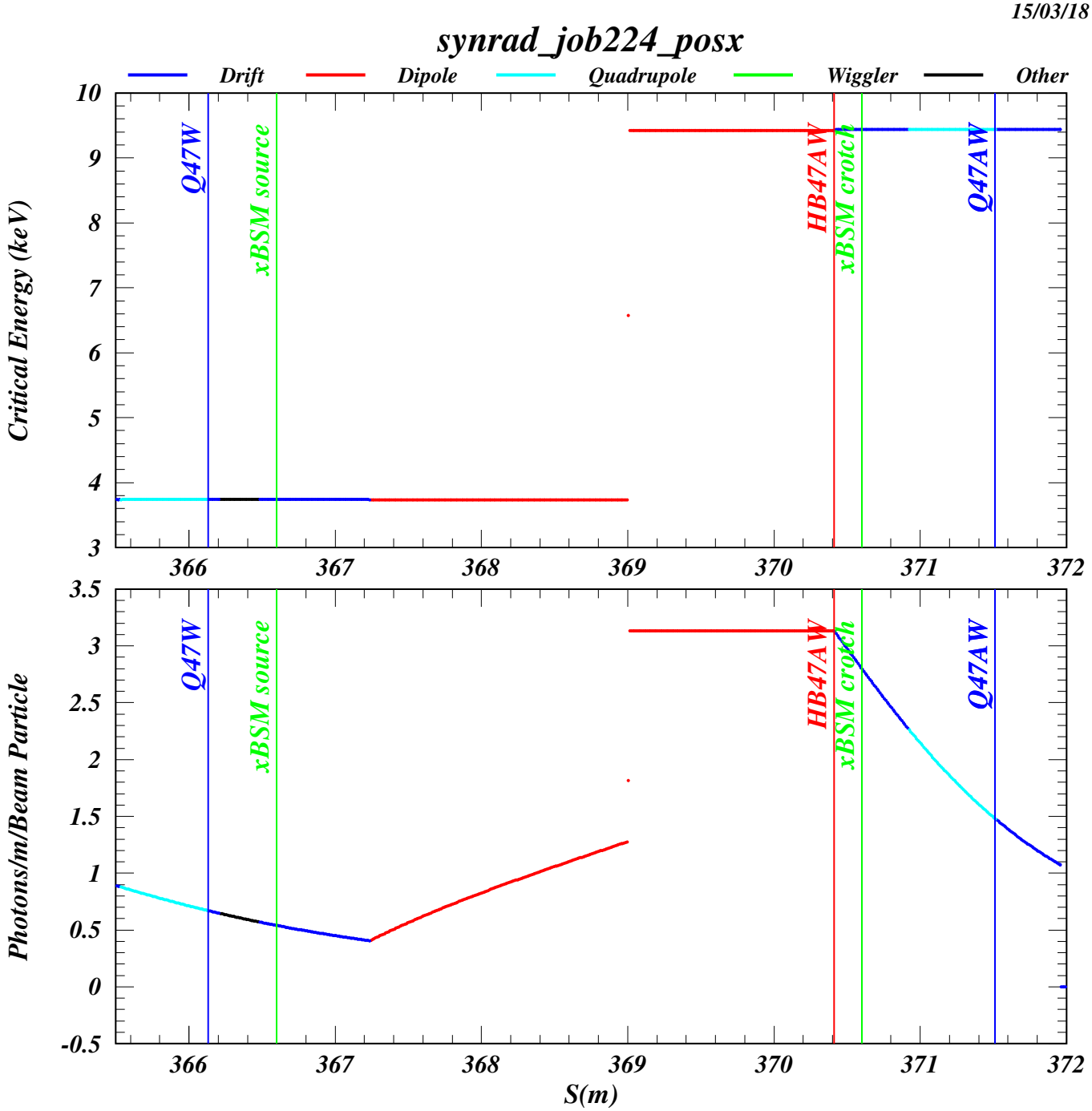
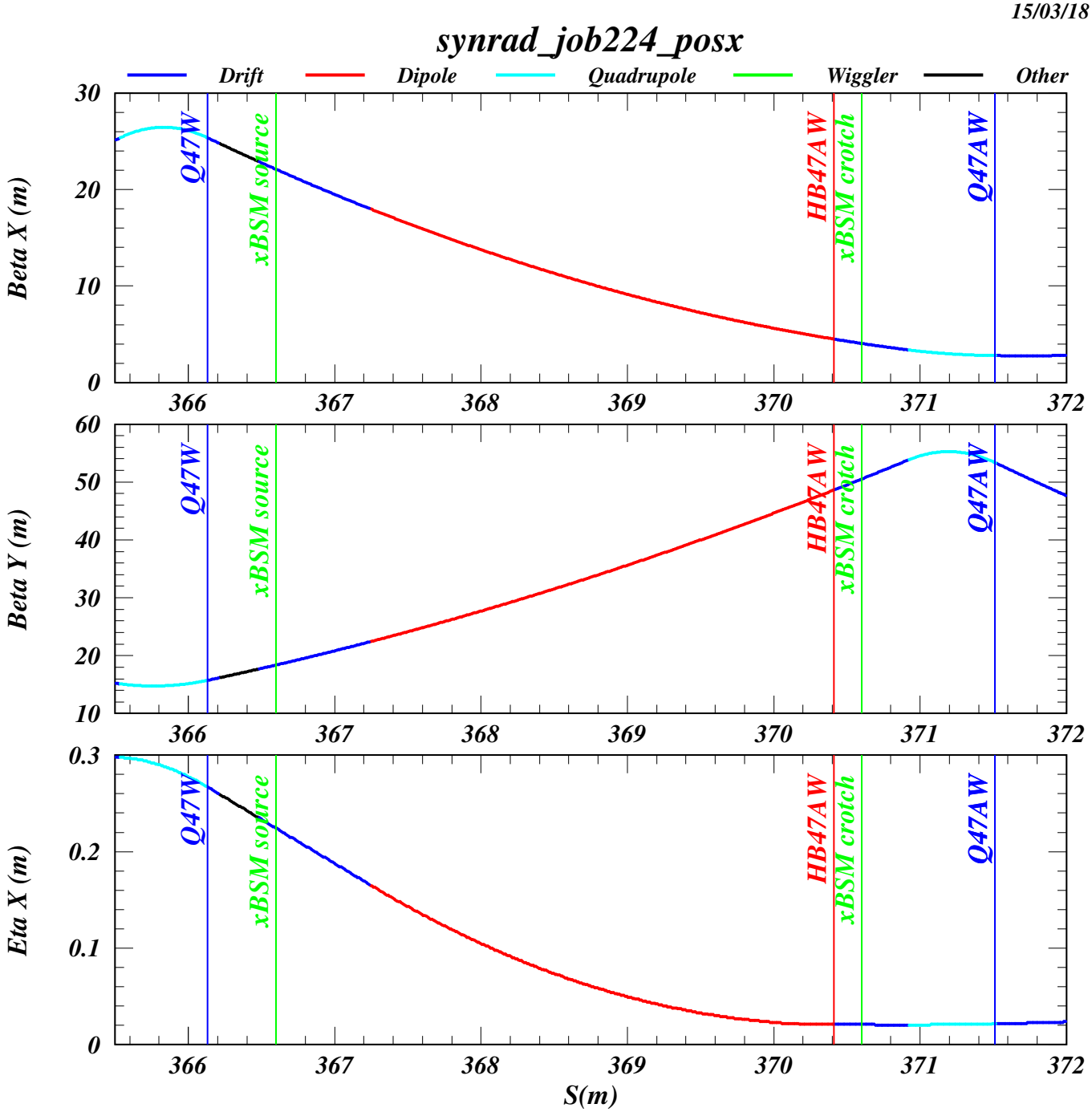
15/03/18 11.31


synrad_job224_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
3.5
3
2.5
2
1.5
1
0.5
0
-0.5
1000
800
600
400
200
366
367
368
369
370
371
372

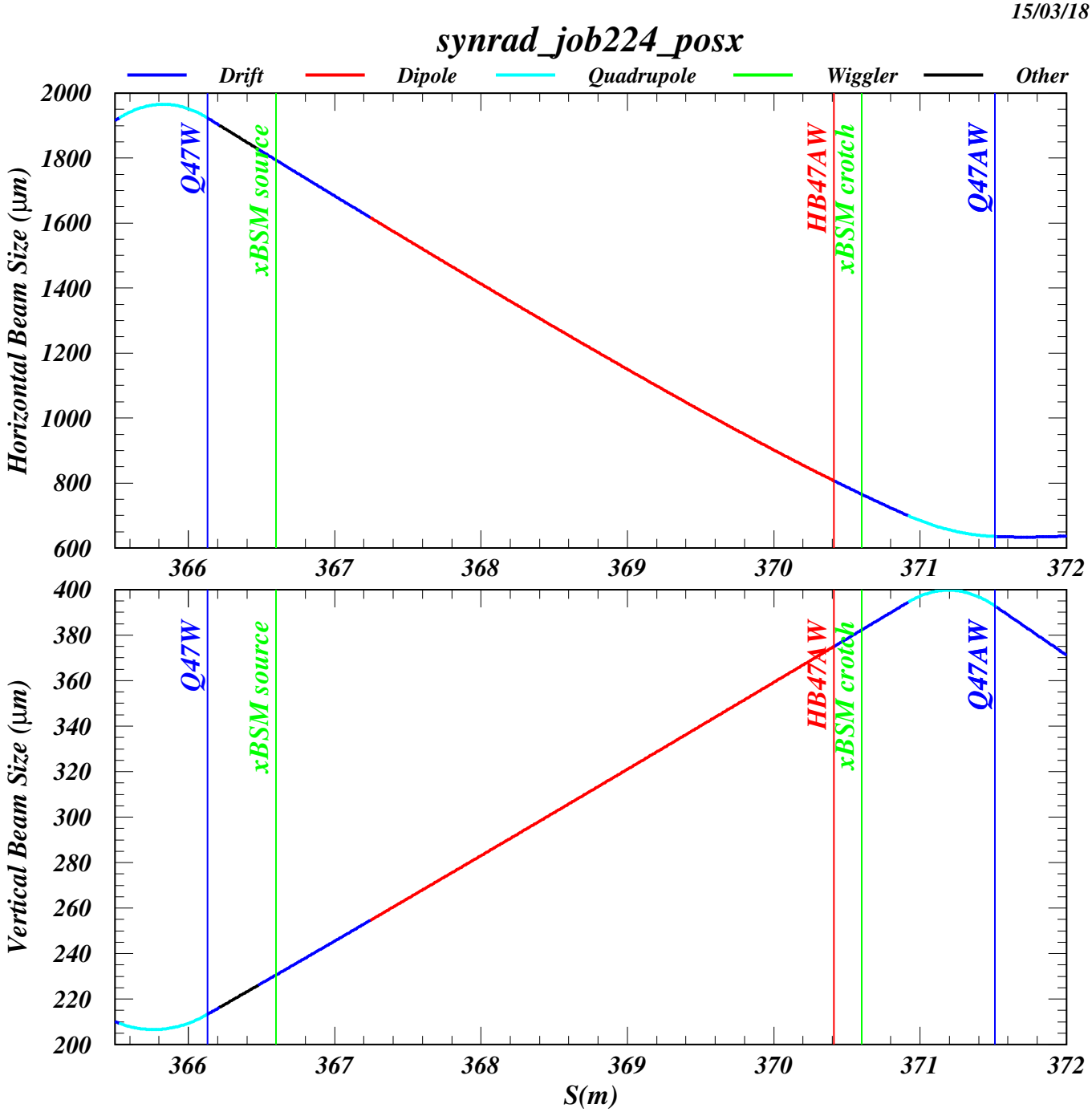
15/03/18 11.31


synrad_job224_posx
Drift
Dipole
Quadrupole
Wiggler
Other
Critical Energy (keV)
Photons/m/Beam Particle
S(m)
Q47W
xBSM source
HB47AW
xBSM crotch
Q47AW

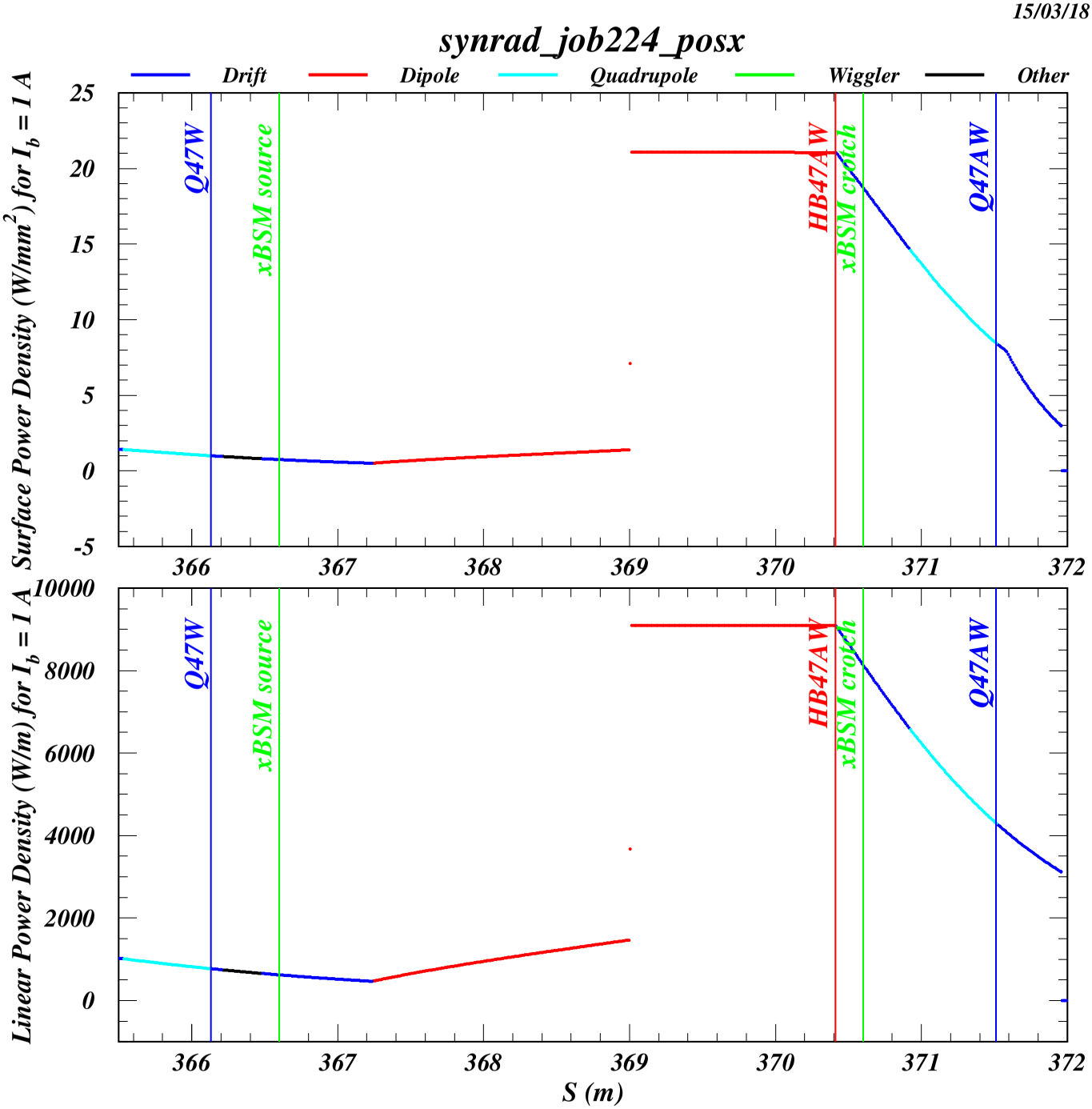
15/03/18 11.31


synrad_job224_posx
Drift
Dipole
Quadrupole
Wiggler
Other
Beta X (m)
Beta Y (m)
Eta X (m)
S(m)
Q47W
xBSM source
HB47AW
xBSM crotch
Q47AW

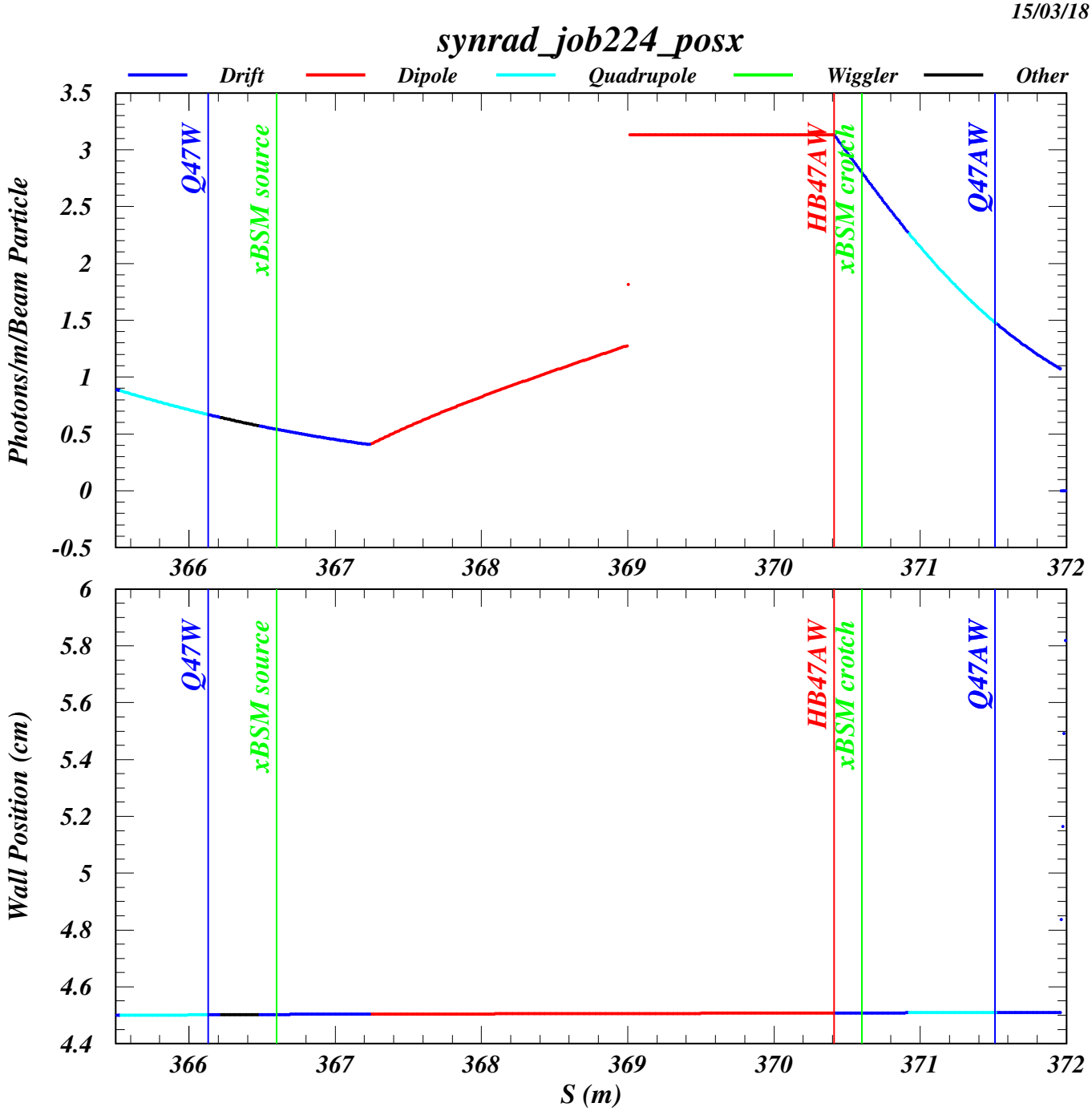
15/03/18 11.31


synrad_job224_posx
Drift
Dipole
Quadrupole
Wiggler
Other
Horizontal Beam Size (μm)
2000
1800
1600
1400
1200
1000
800
600
Q47W
xBSM source
HB47AW
xBSM crotch
Q47AW
366
367
368
369
370
371
372
Vertical Beam Size (μm)
400
380
360
340
320
300
280
260
240
220
200
S(m)

15/03/18 11.31


synrad_job224_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 11.31


synrad_job224_posx
Drift
Dipole
Quadrupole
Wiggler
Other
Photons/m/Beam Particle
Wall Position (cm)
S (m)
Q47W
xBSM source
HB47AW
xBSM crotch
Q47AW
3.5
3
2.5
2
1.5
1
0.5
0
-0.5
6
5.8
5.6
5.4
5.2
5
4.8
4.6
4.4
366
367
368
369
370
371
372