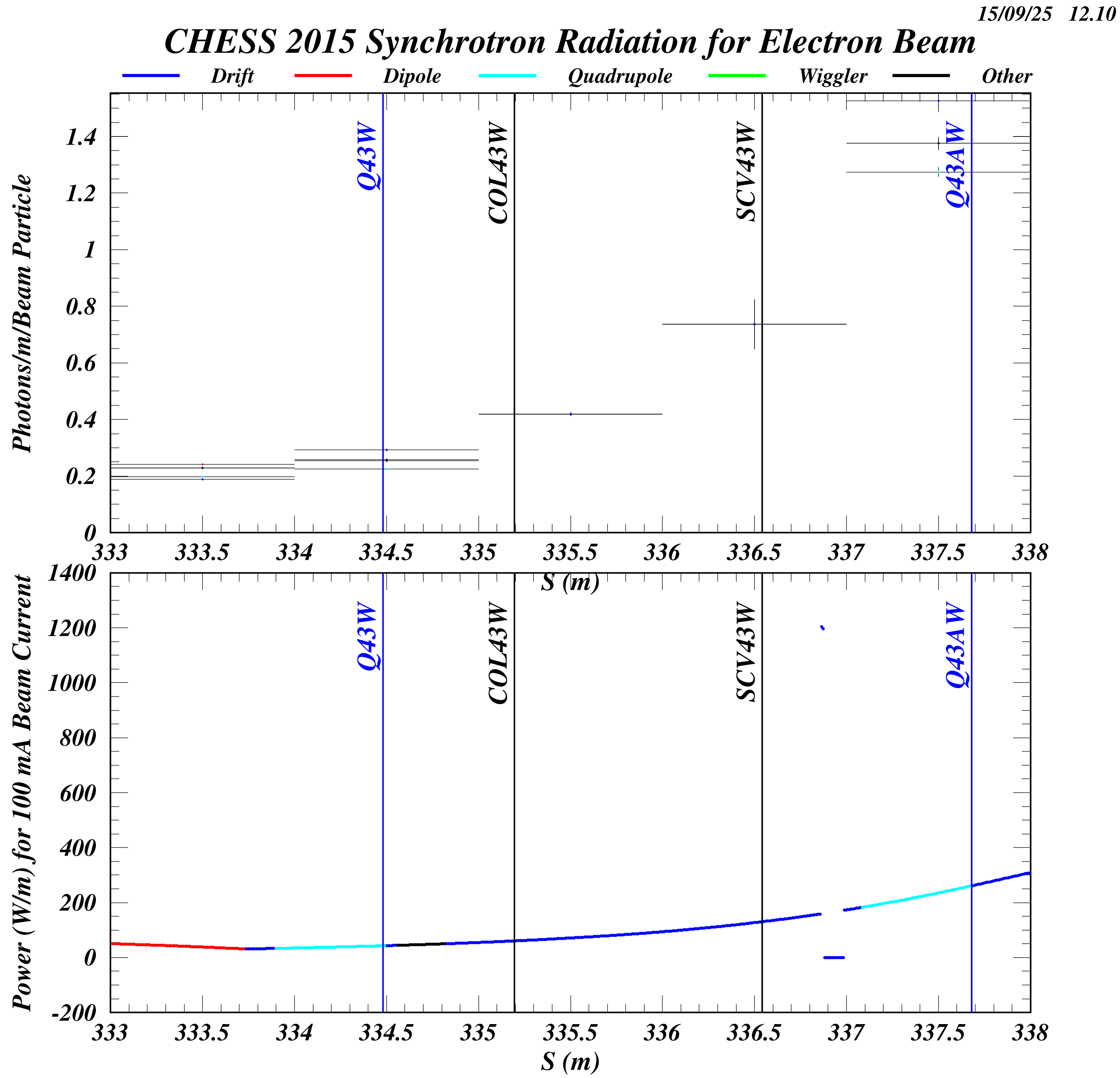
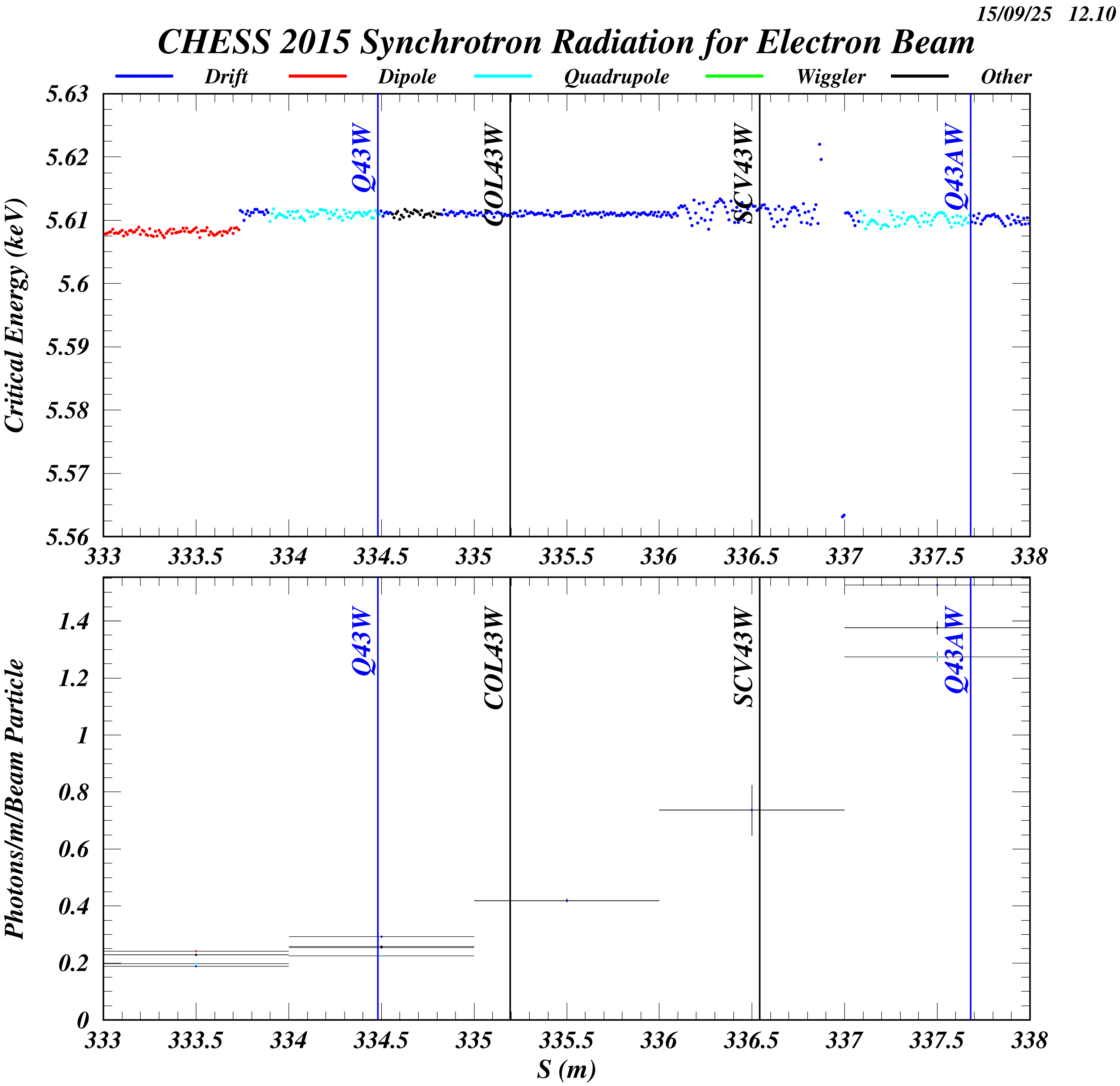
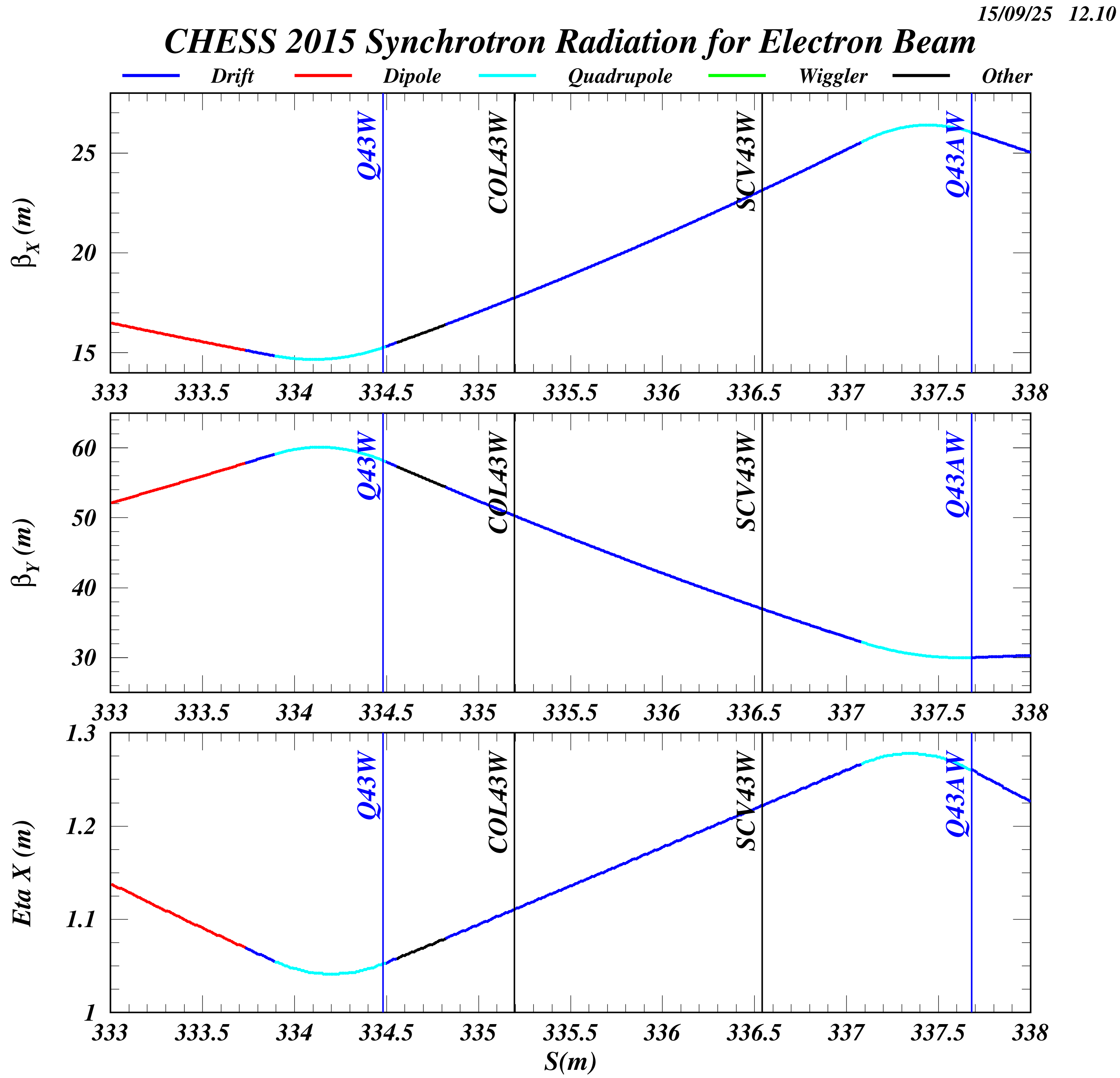
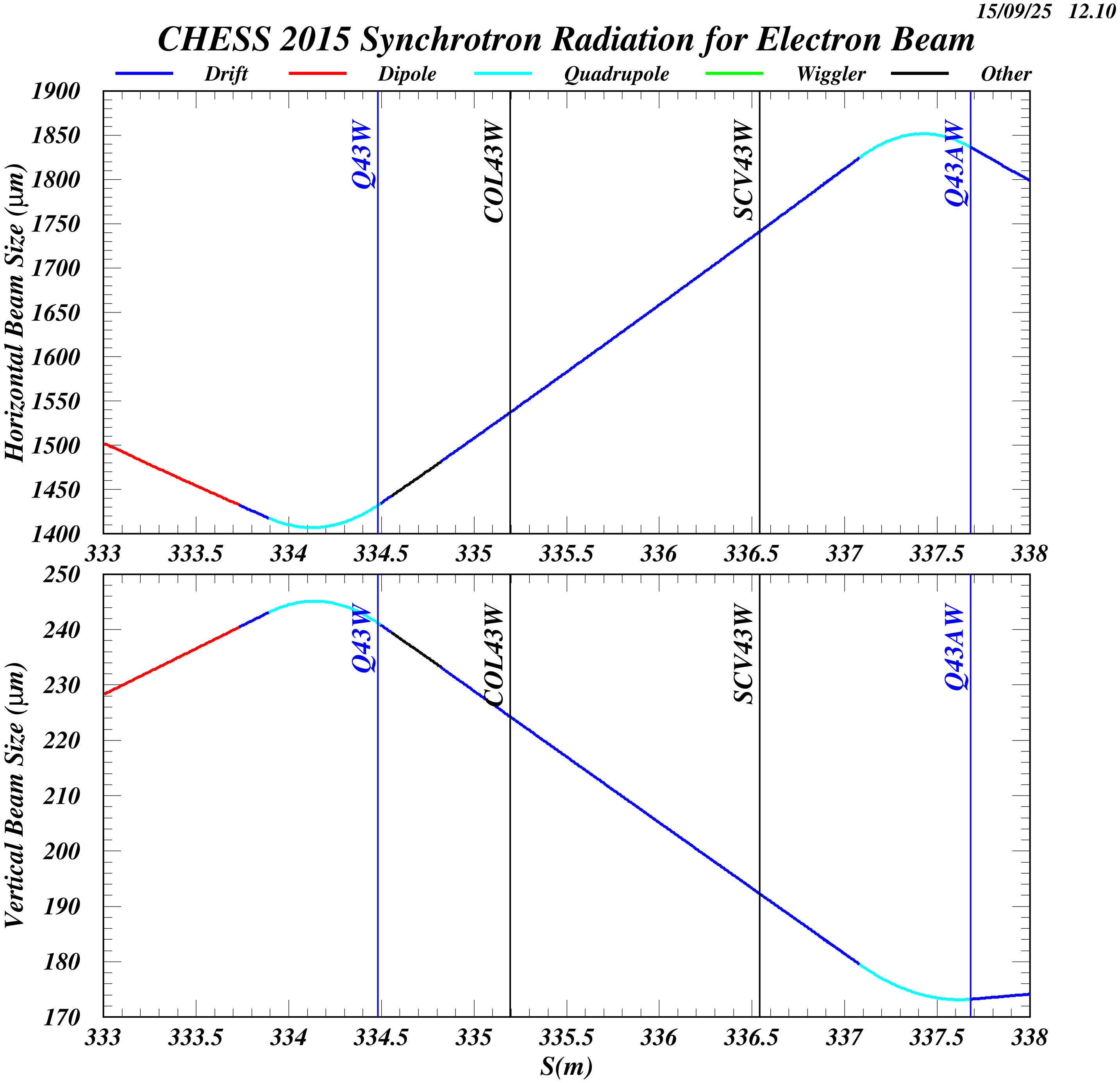

15/09/25 12.10
CHESS 2015 Synchrotron Radiation for Electron Beam
Drift
Dipole
Quadrupole
Wiggler
Other
Photons/m/Beam Particle
Q43W
COL43W
SCV43W
Q43AW
S (m)
Power (W/m) for 100 mA Beam Current
S (m)



15/09/25 12.10
CHESS 2015 Synchrotron Radiation for Electron Beam
Drift
Dipole
Quadrupole
Wiggler
Other
Critical Energy (keV)
Photons/m/Beam Particle
Q43W
COL43W
SCV43W
Q43AW
S (m)

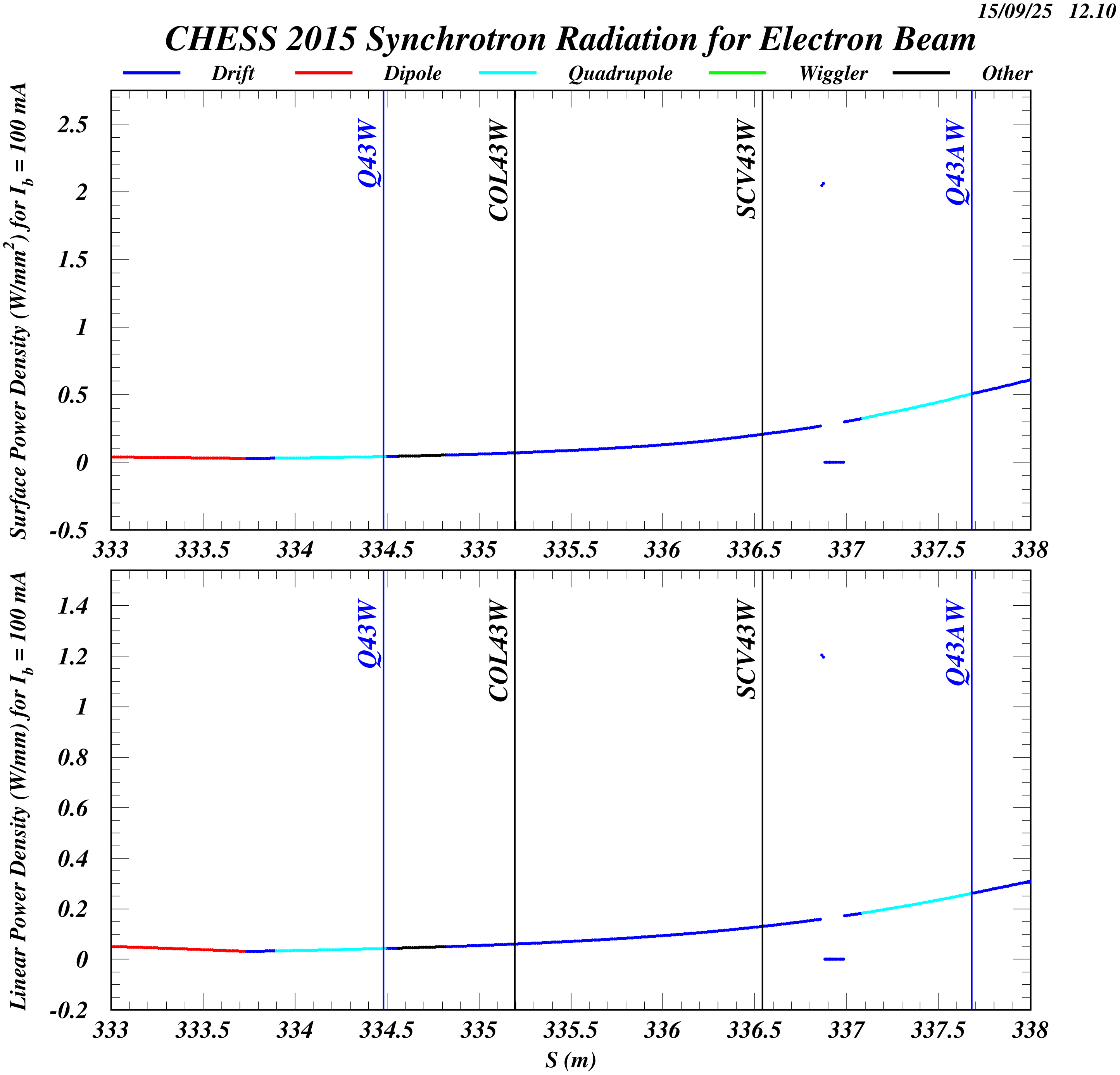


15/09/25 12.10
CHESS 2015 Synchrotron Radiation for Electron Beam
Drift
Dipole
Quadrupole
Wiggler
Other
Q43W
COL43W
SCV43W
Q43AW
βX (m)
βY (m)
Eta X (m)
S(m)



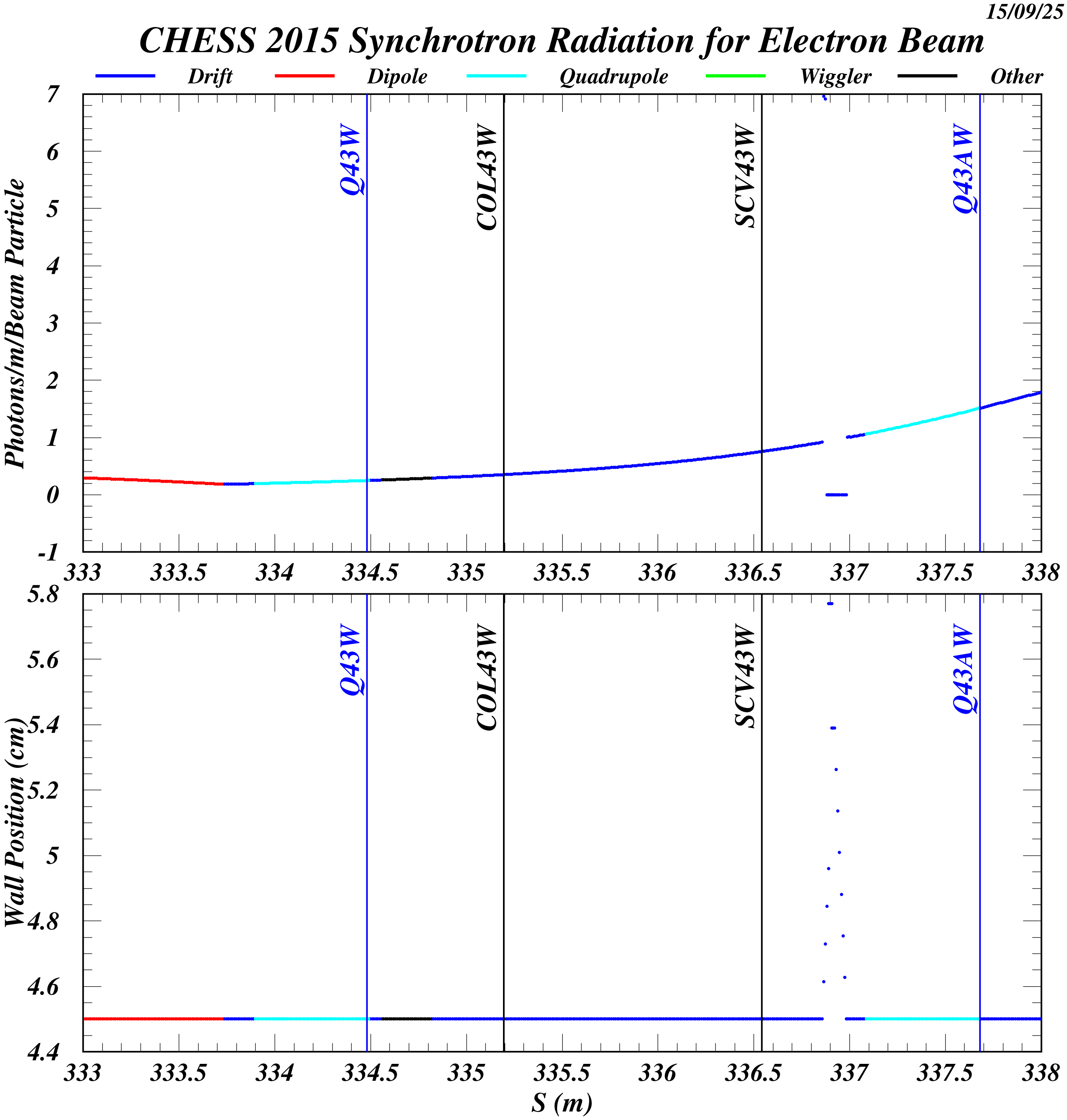
15/09/25 12.10
CHESS 2015 Synchrotron Radiation for Electron Beam
Drift
Dipole
Quadrupole
Wiggler
Other
Horizontal Beam Size (μm)
1900
1850
1800
1750
1700
1650
1600
1550
1500
1450
1400
Q43W
COL43W
SCV43W
Q43AW
333
333.5
334
334.5
335
335.5
336
336.5
337
337.5
338
Vertical Beam Size (μm)
250
240
230
220
210
200
190
180
170
S(m)

15/09/25 12.10



CHESS 2015 Synchrotron Radiation for Electron Beam
Drift
Dipole
Quadrupole
Wiggler
Other
Surface Power Density (W/mm²) for I_b = 100 mA
Linear Power Density (W/mm) for I_b = 100 mA
Q43W
COL43W
SCV43W
Q43AW
-0.5
0
0.5
1
1.5
2
2.5
-0.2
0
0.2
0.4
0.6
0.8
1
1.2
1.4
333
333.5
334
334.5
335
335.5
336
336.5
337
337.5
338
S (m)

15/09/25 12.10



CHESS 2015 Synchrotron Radiation for Electron Beam
Drift
Dipole
Quadrupole
Wiggler
Other
Photons/m/Beam Particle
Q43W
COL43W
SCV43W
Q43AW
Wall Position (cm)
S (m)