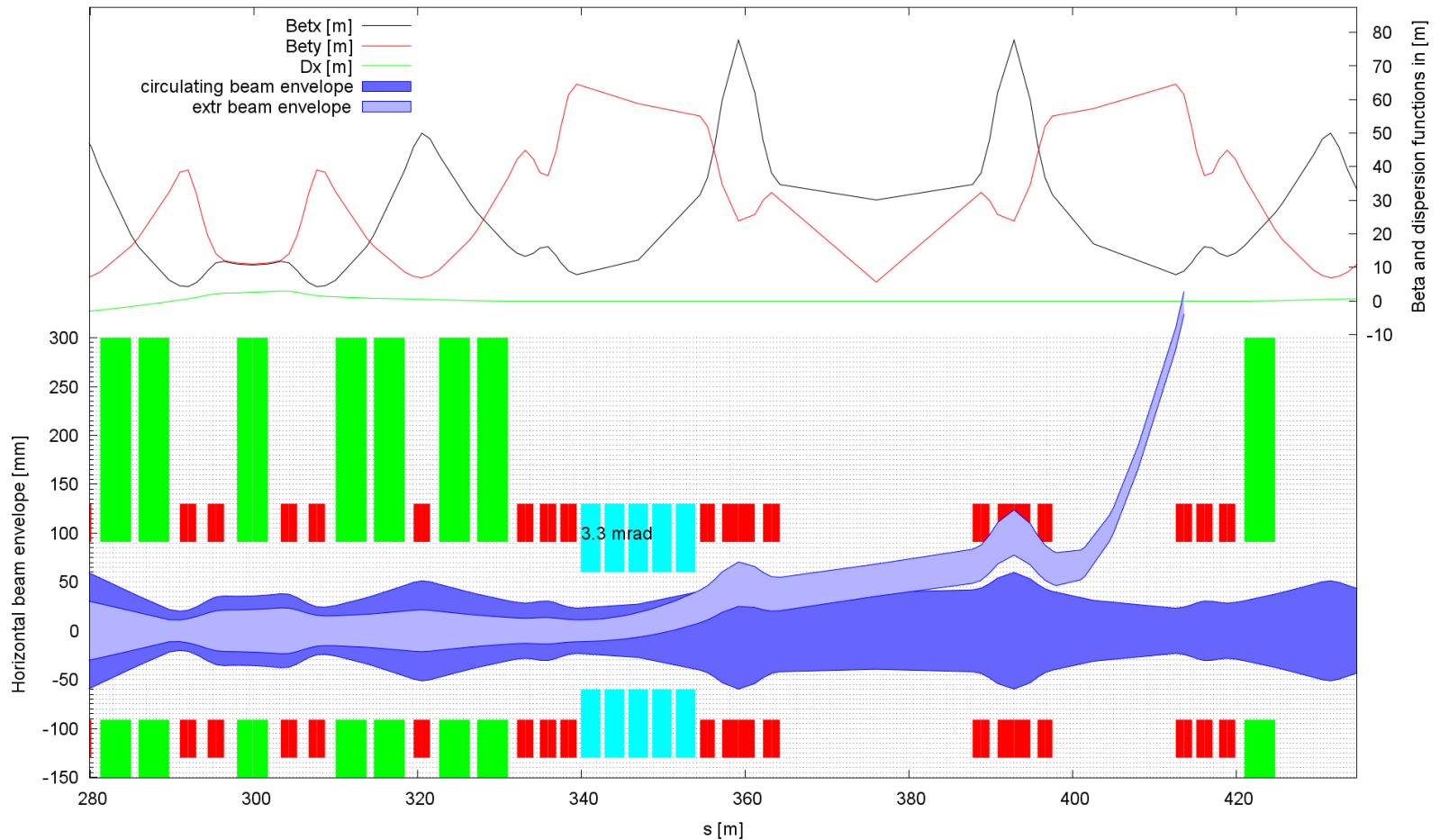


HPPS extraction, 24-June-14

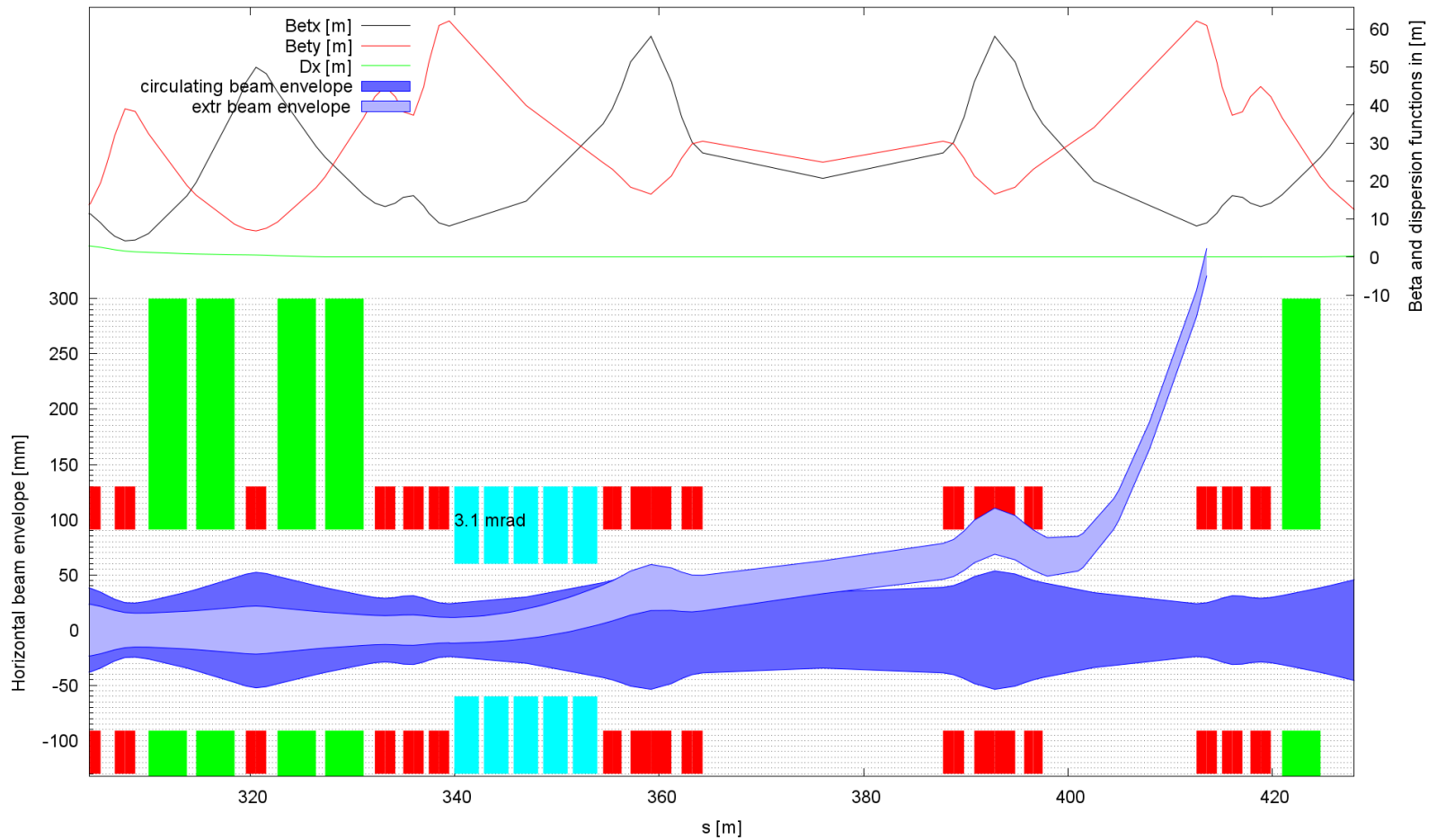
		50 GeV		75 GeV	
		foil	laser	foil	laser
Required kick	[mrad]	3.1	3.3	2.4	2.7
Kicker/septum drift length	[m]	15.065	15.065	15.065	15.065
MQFS1, required radius	[mm]	90	99	70	80
MQDS1, required radius	[mm]	110	124	84	100
MQFS2, required radius	[mm]	97	99	75	80
Emittance x/y, rms, normalised	[um]	10.5/13.5	10/13	5.5/8	6/7.5
Dp/p, full		6.6e-3	7.3e-3	7.6e-3	7.6e-3
Phase advance (MKE→MSE)	[deg]	107	90	107	90

Maximum kick strength in **18 m** with conventional cables:
 50 GeV: 3.1 mrad
 75 GeV: 2.1 mrad

Extraction: Laser optics, 50 GeV



Extraction: Foil optics, 50 GeV



Extraction: Foil optics, 75 GeV

