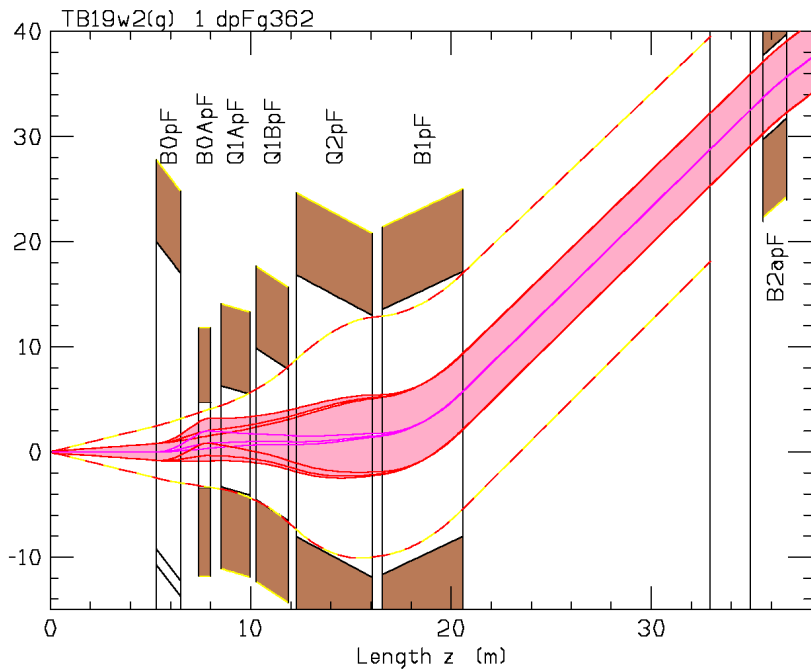
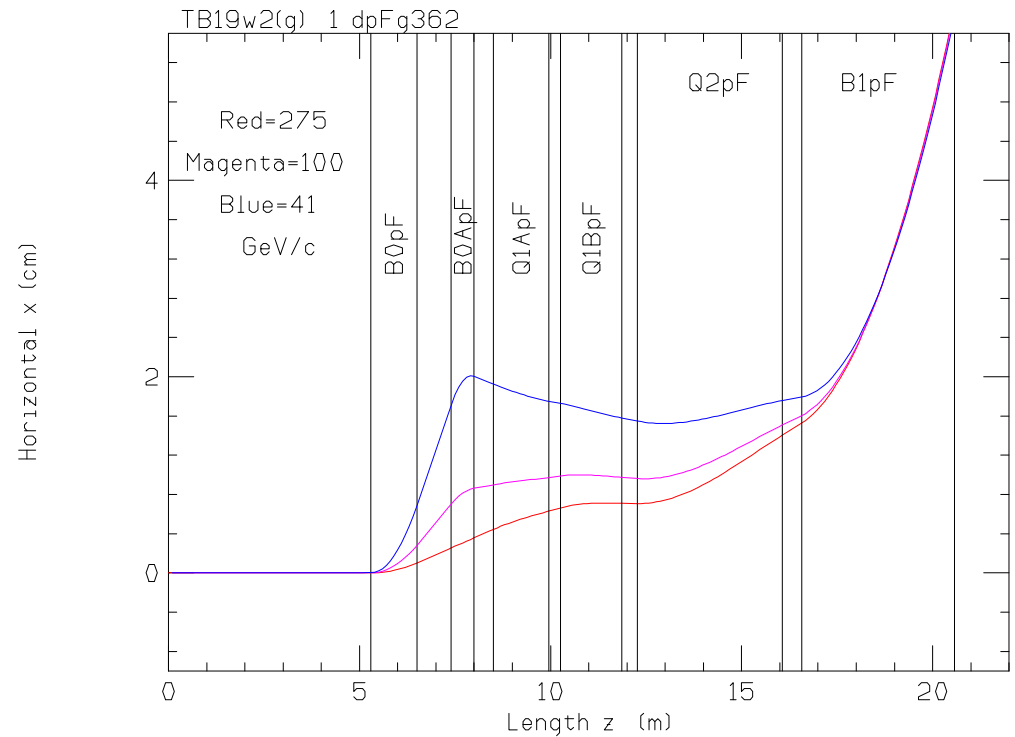


Orbits vs Energy

Superimposed 41, 100, 275 GeV for V 6.2. Orbits identical after B1pF.



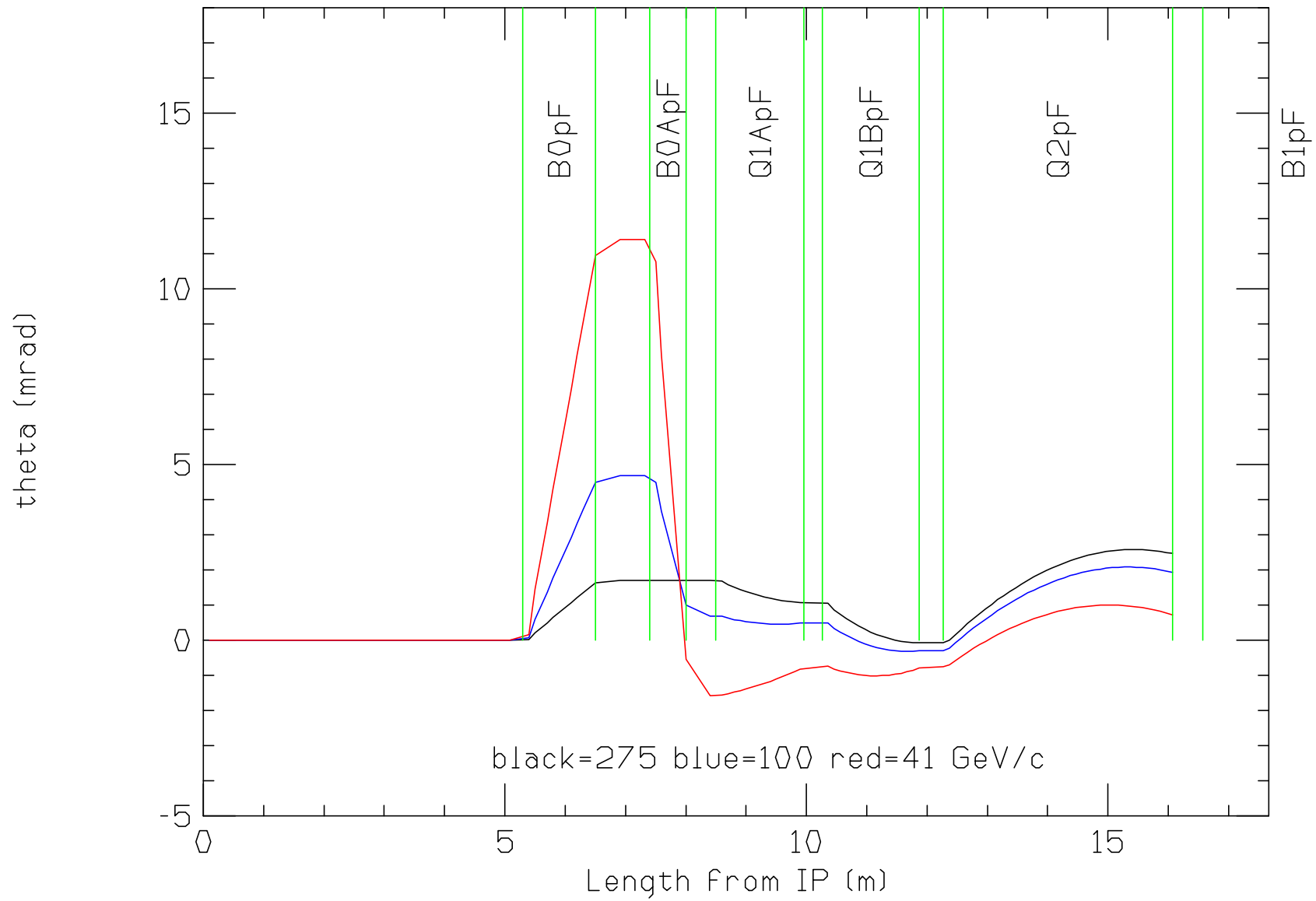
10 sigma beams



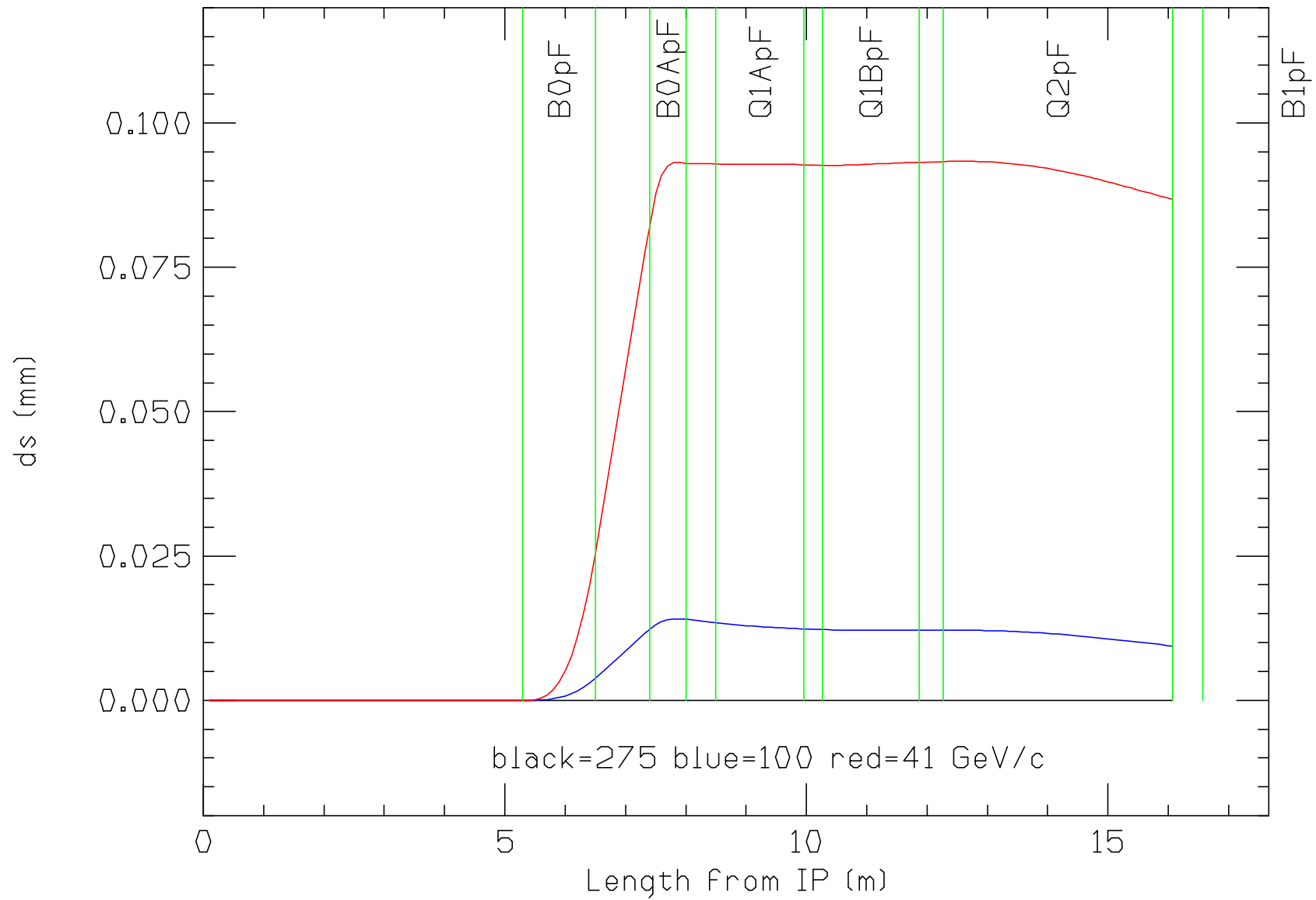
beam axes

Momentum GeV/c	Max offset cm	B0pF T	B0ApF T	B1pF T
275	0	1.3	-3.3	-3.4
100	.51	1.3	+1.03	-1.30
41	1.68	1.3	+2.49	-0.589

angles vs. length



ds vs. length



Question

ds at 41 GeV vs. 275 GeV is only $83 \mu\text{m}$

In the ring, an average radial shift of the beam of only $13 \mu\text{m}$ would correct it!

It certainly can be fixed locally, probably by just adjusting B1pF and B1ApF, certainly if we include B2ApF, but I am just wondering why we require this.