

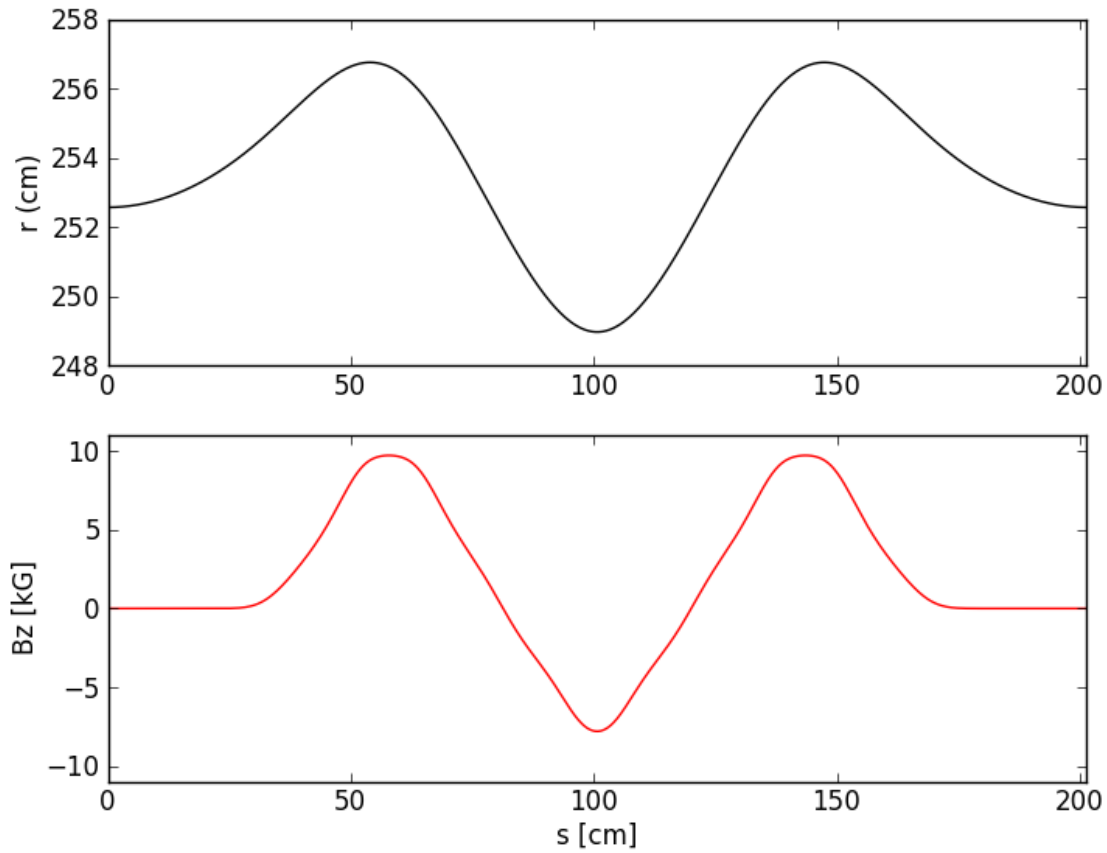
Very preliminary Zgoubi results

David Kelliher 16/2/12

Method

- Zgoubi analytic radial FFAG model – already used for 150 MeV FFAG
- Parameters from specification file on website

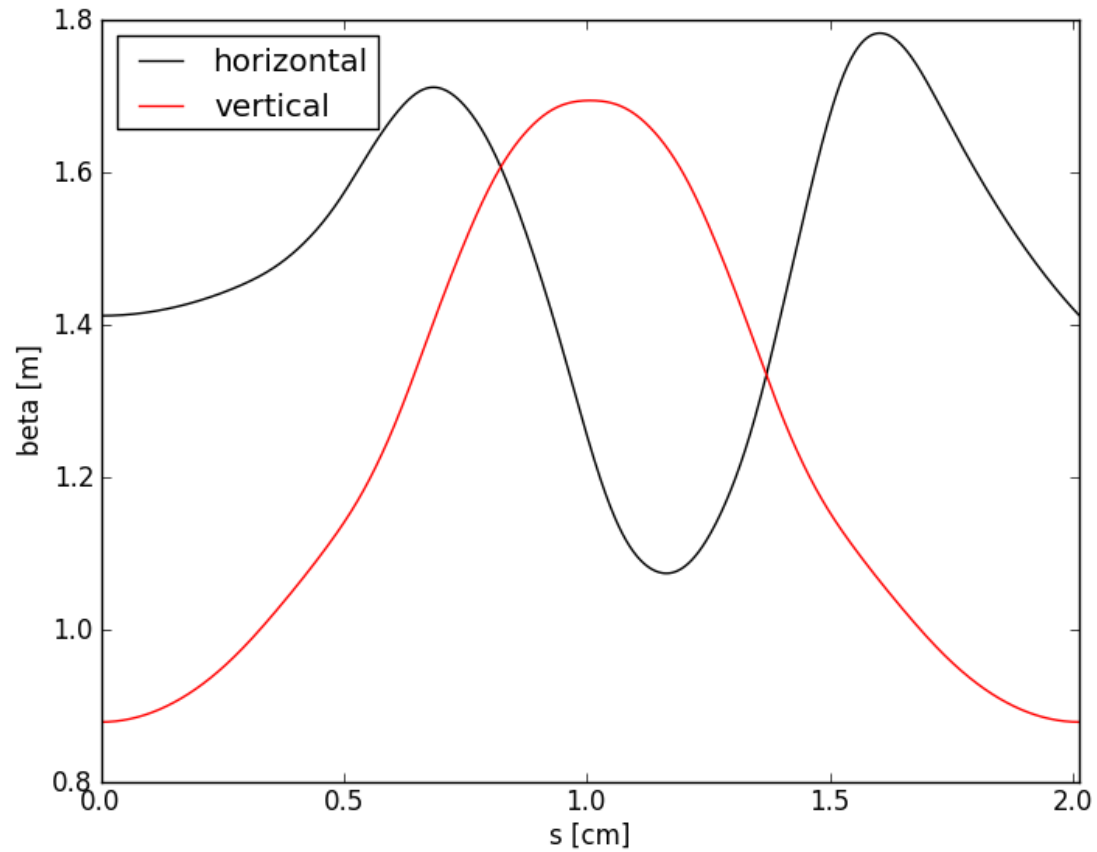
Closed Orbit



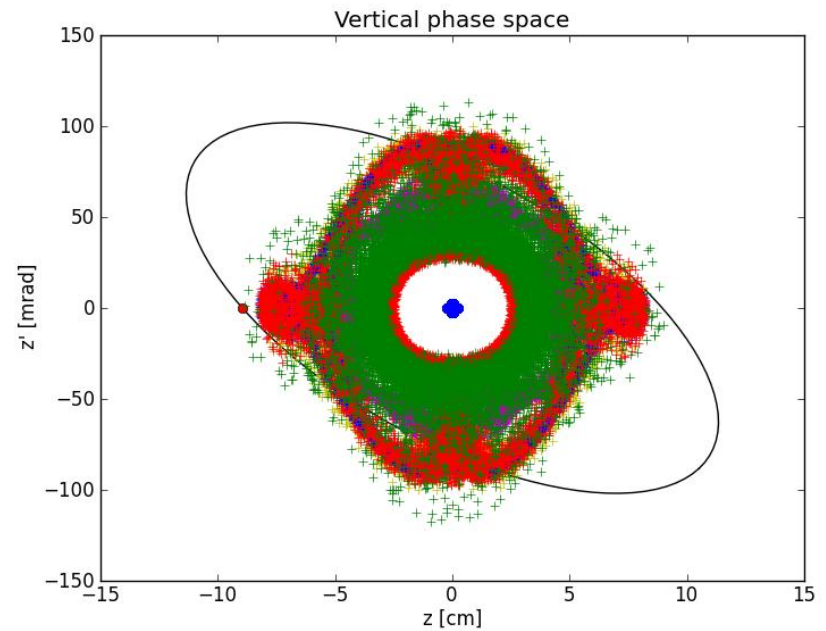
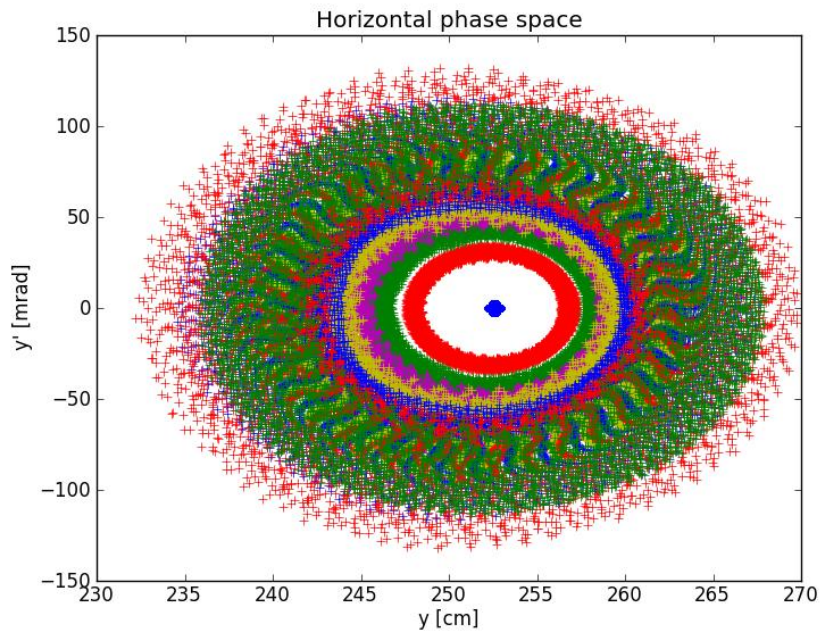
Ring tunes

	Horizontal	Vertical
From parameter doc	1.73	2.22
Zgoubi with nominal settings	1.81	2.42
Zgoubi with fringe field extent = 10.3 cm	1.80	2.21

Betatron function



Dynamic Aperture



Apply same amplitude in both planes and increase in step
Reaches limit in vertical plane first