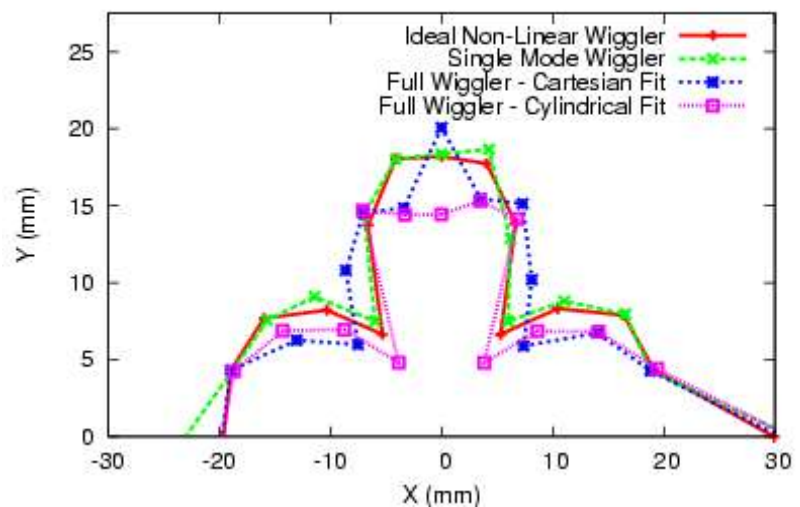
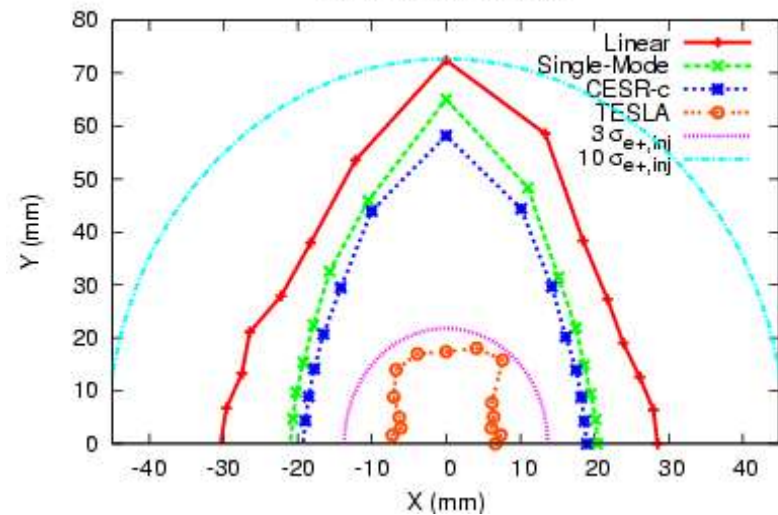


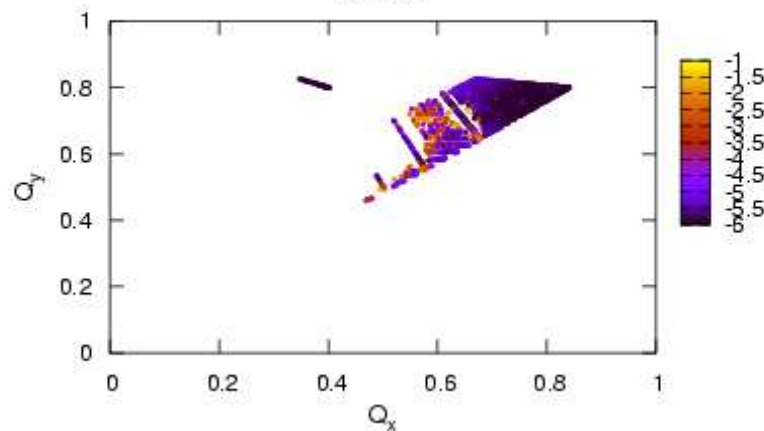
TESLA w/ Modified CESR-c Wiggler



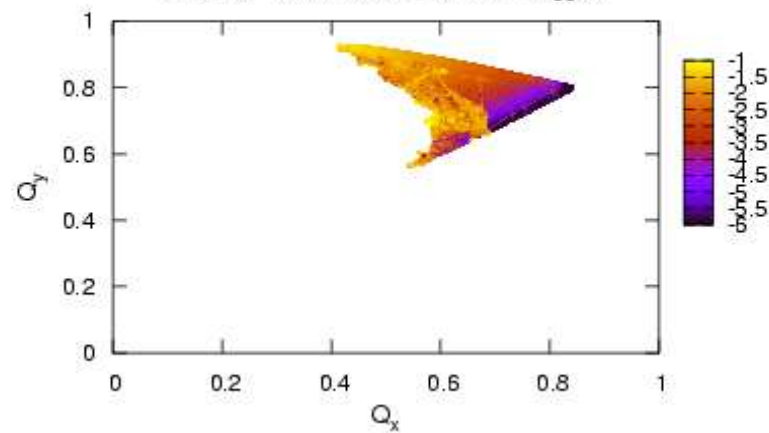
OCS v2 -- All Wigglers



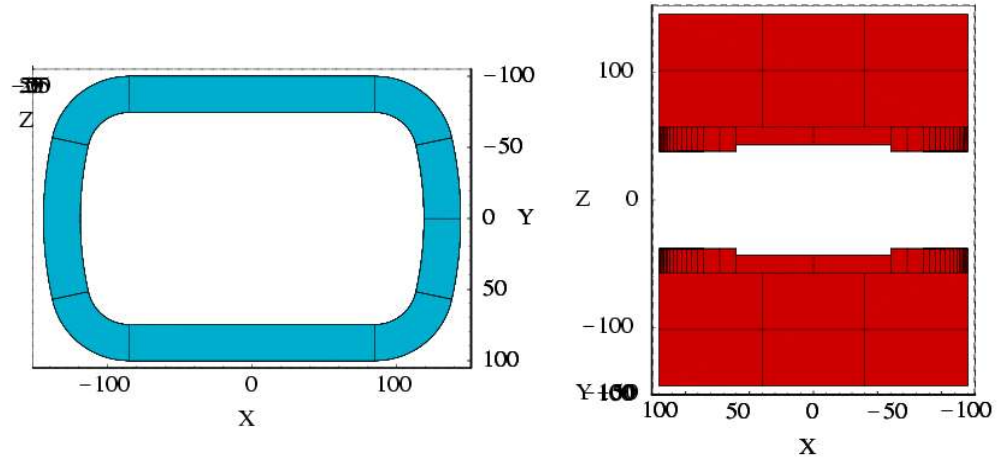
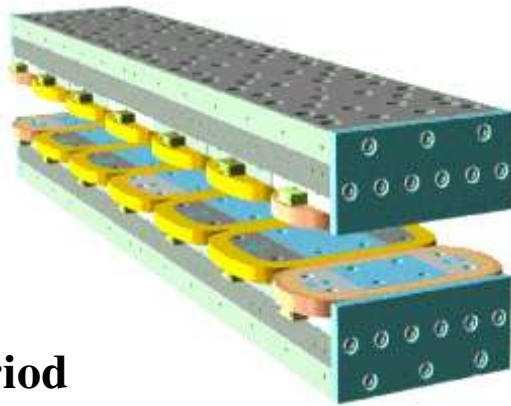
OCS v2



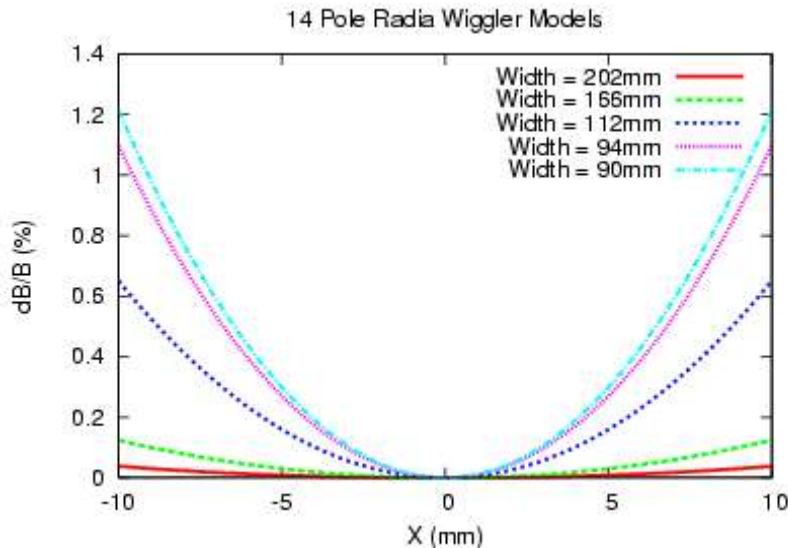
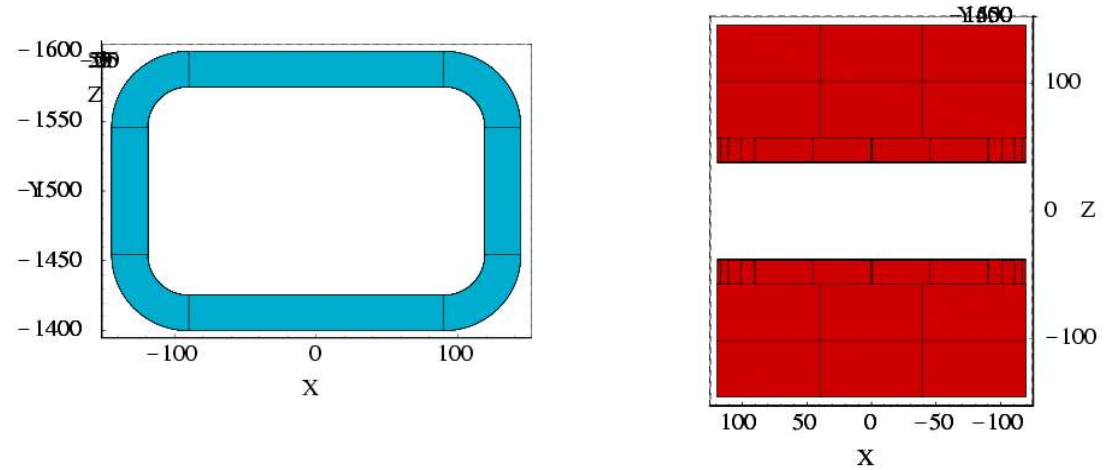
OCS v2 -- Full Nonlinear CESR-c Wiggler



- 2.1 T
- 7 poles
- 40 cm period
- 23.8 cm width

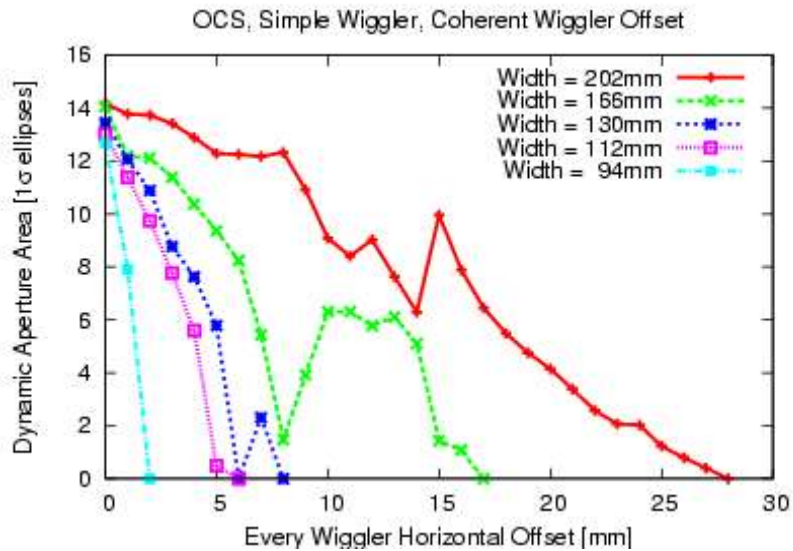
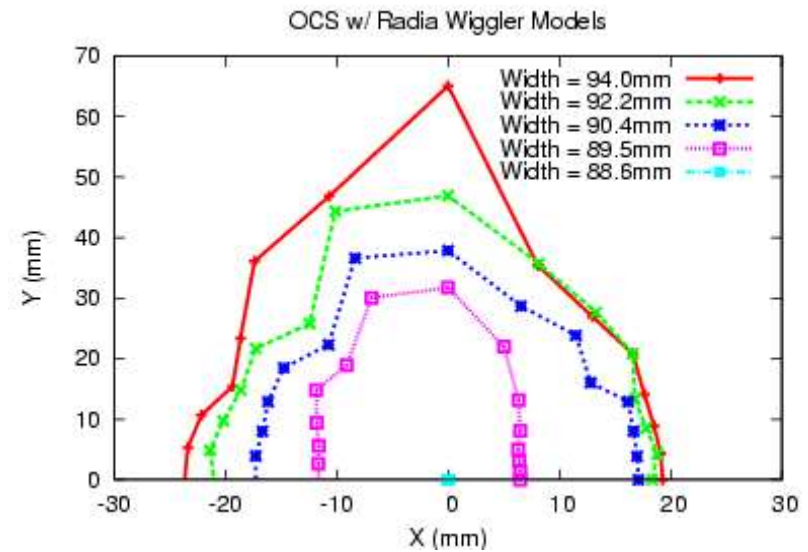
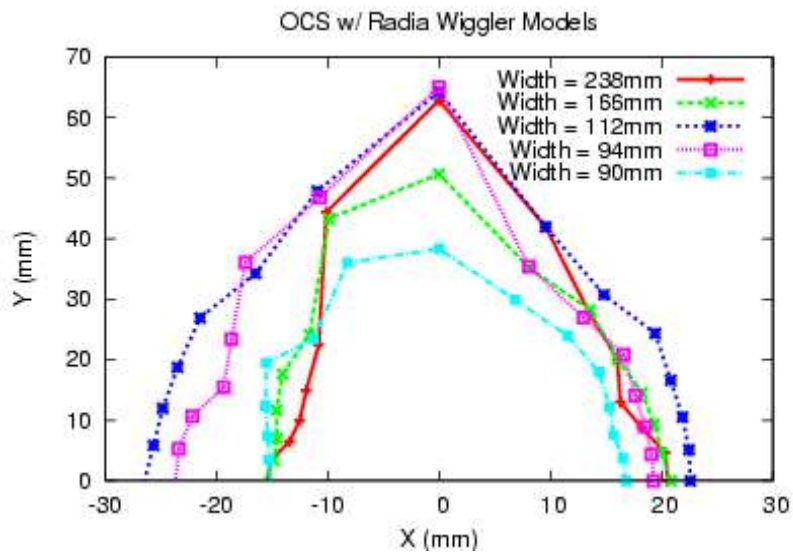


CESR-c wigglers have rounded ends on the coils and a cutout/chamfer. These features have been eliminated to simplify dependence of performance on width.



dB/B (%) @ 10mm

- TESLA (60 mm) = 0.59%
- TESLA (shimmed) = 0.055%
- CESR-c (OPERA) = 0.0077 %
- CESR-c (Radia) = 0.015%



- Dynamic aperture
- Frequency map analysis
- Magnet misalignments
- Magnet multipole errors