

Dynamic Aperture MD2162

6.5 TeV, $\beta^*=40\text{cm}$

Beam 1: (*usual optics MD, e.g. 2158 in MD#2*)

- 1 pilot
- Flat orbit
- TCP at 10.5sigma, TCT at ~15mm
- AC dipole kicks slowly increased in amplitude until small losses are observed in TCP

Beam 2: (*closer to aperture MD by coll. team*)

- 4 pilots (can be spaced by $1\mu\text{s}$)
- Flat orbit
- TCP at 10.5 sigma, TCT at ~15mm
- ADT used to gently blow-up bunches
- ADT-AC dipole used to measure coupling
- Firing AC dipole when only 1 pilot is left