LHC Vertical Dispersion and MQ powering

LNO Section Meeting 24/05/2024

Yannis Angelis



The plan

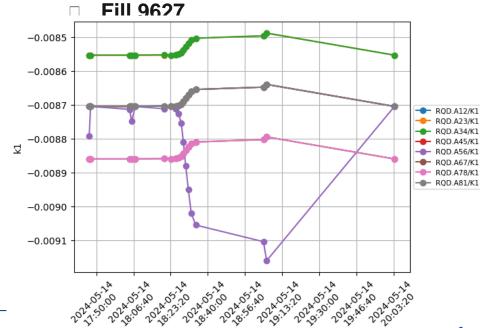
- Reduce by 10% MQ strength at ARC 56 (specifically the knob connected with MQ.29R5.B2 -> KQD.A56)
- Compensate with MQT

Not well matched knob

-> dump + tune of 59

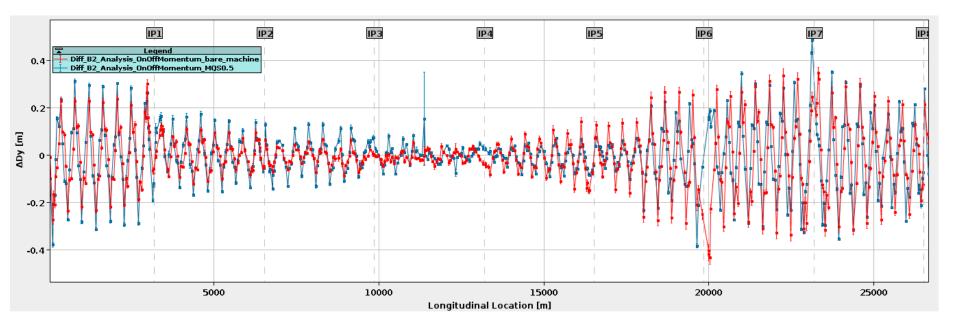
The measurement

- Reduce by 5% MQ strength at ARC 56 (specifically the knob connected with MQ.29R5.B2 -> KQD.A56)
- □ Compensate with all the other arcs

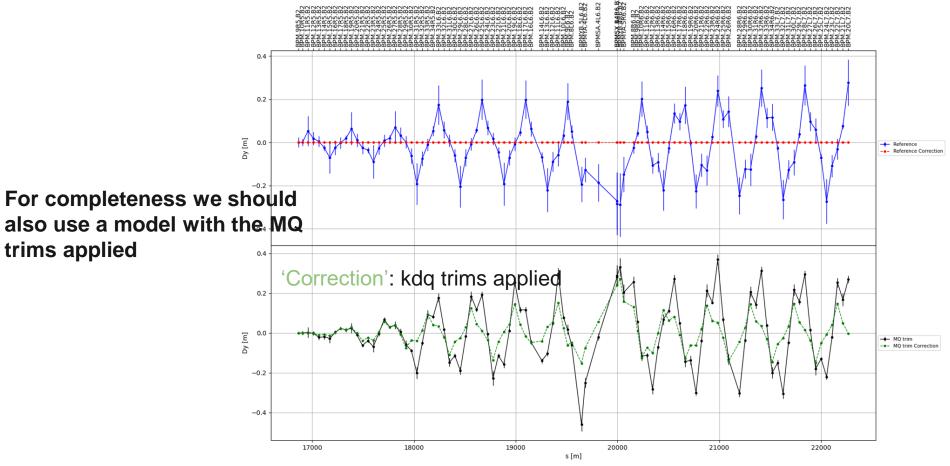




Global Dispersion









trims applied

