



Colliding squeeze MD

J. Wenninger et al



Aim

- Collide all along the squeeze in IR1 and IR5.
 - For practical reasons, beams will be put into collisions at 9 m after the Q change(\rightarrow functions).
- In this MD:
 - Setup the collisions 9m to 0.6m, re-use knowledge gained in beta* levelling MDs.
 - If time permits, repeat another time without stopping.
 - Beam: 1 probe and 2 nominal bunches / beam.
 - Colliding in IR1 and IR5 only.
- If another MD, try to address the stability of the squeeze. Is it sufficient to optimize at start and run through?
 - Optimize at 9m and run through, or just stop at one selected point.
 - Particularly interesting if there is a large time interval (> 1 month).



Experience from beta* level

- Lumi knob trims along squeeze – to be used / extrapolated to 9m.

