Squeeze study for LHCCWG on November 29th

- Proposed topics to be covered (R. Bailey) shared in three presentations (LOC, collimators and operation)
- •mechanics; is it any different from the ramp?
- •intermediate optics; how many and which ones?
- •influence of optics changes on crossing angle (when we have one)?
- •energy; I guess we start at top energy (is this an issue?)
- •collimators; when do we move them?
- •do 1 and 5 together?
- •what about 2 and 8?
- •machine protection; anything to do?

Proposal for LOC contributions - I

- IR2 (JJ -> to be done for LTC follow-up anyway):
 - 1. do we need to change optics/crossing scheme during ramp?
 - 2. Compute transitions between injection optics and 7 TeV one (if necessary)
 - 3. Compute un-squeeze
- IR8 (YP):
 - 1. do we need to change optics/crossing scheme during ramp?
 - 2. Compute transitions between injection optics and 7 TeV one (if necessary)
 - 3. Compute squeeze
- At least points 1. and 2. should be presented at LHCCWG.

Proposal for LOC contributions - II

- IR1/5 (MG & SF):
 - 1. do we need to change optics/crossing scheme during ramp?
 - Evaluate dynamical effects (beta-beating, closed orbit deformation between matched optics)
 - 3. How many matched optics do we need?
- In addition, strategy for collimators should also be discussed jointly with optics...
- Follow-up in LOC at meetings on November 6th and 20th.