

# Collimator alignments

- 17/01: IR6 + IR7 re-alignment (p-p) -> 1 hour
  - Found similar centers to March 2012 alignment (avg = 85  $\mu\text{m}$ , stdev = 70  $\mu\text{m}$ )
  - Error of 700  $\mu\text{m}$  in TCLA.A6L7.B2, picked up in loss map
- 18/01: 2 sets of TCT alignments in same fill:
  - Squeezed separated beams, p-Pb -> 1 hour
  - Collisions, p-Pb -> 1 hour

# Aperture measurements

- Measured aperture in IR2 for both beams and planes at the end of the squeeze with separated beams (17/01).
- TCT scan + orbit bumps method:
  - Center TCTs (beam-based alignment around the reference orbit)
  - Add orbit bumps and increase TCT gap until the triplet aperture is exposed.

Plane	Aperture [sigmas]
B1-H (separation)	> 14.0
B1-V (crossing)	14.0 – 14.5
B2-H (separation)	> 14.5
B2-V (crossing)	13.5 – 14.0

- Apertures are fine for the operation at  $\beta^* = 80$  cm.

# Other Updates

- Friday 25<sup>th</sup> Jan: resume regular ColUSM meetings
- Monday 28<sup>th</sup> Jan: resume regular CWG meetings
  
- A. Rossi about to release 4-5 ECRs that address the approved works in LS1.