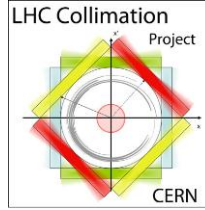




Collimation Studies MD



- MD foreseen for first slot (20th-22nd April): 8 hours required.
- Follow-up from the ongoing commissioning:
- **Fast Automatic Collimator Alignment**
- 12.5 Hz BLM data and parallel alignment has already provided a reduction in setup time compared to 2011 (Time for full alignment of 86 collimators down from 18 hours to **10 hours**).
- Preliminary analysis shows successful automatic classification of loss spikes and loss threshold selection.
- New techniques to be developed for improving setup time:- limit not yet reached!
- **Effects of tight collimator settings on the beam at 4 TeV**
- Intensity and impedance issues with tight settings.