

News: restricted committee for intensity increase

- Proposed membership:
 - R. Schmidt & J. Wenninger (MPS).
 - B. Goddard & J. Uythoven (LBDS, injection).
 - B. Dehning (BLMs, BI).
 - R. Assmann (Collimation).
 - M. Zerlauth (PIC, BIS, powering).
 - M. Lamont (OP).

- To be approved by LMC (I guess...).

- Define exact mandate.

Preparation 450 GeV collisions

- Conditions: collisions of 4x4 with 5E10 (2E11/beam) + pilot (over-injection?)
- Checklist/todos:
 - Powering, BLMs OK.
 - Collimator setup OK.
 - Injection to sort out (B1 losses).
 - Abort gap keeper to finish.
 - Status of TCDQ setup?
 - LBDS checks?
 - Beam excursion interlock active (with appropriate thresholds +- 3 mm).
 - No masks in BIS.
 - Beam permit loops LINKED.
 - SIS COD interlock – test needed for references.

Preparation 3.5 TeV ramp

- ❑ Conditions: ramp to 3.5 TeV with a **SINGLE PILOT** (per beam).
- ❑ Checklist:
 - Powering interlocks OK.
 - BLMs OK.
 - Dry ramp + LBDS BETS check to be done.
 - Collimators settings interlocked (constant settings?).
 - Status of TCDQ setup?
 - LBDS checks?
 - Beam excursion interlock active (with appropriate thresholds +/- 3 mm).
 - No masks in BIS.
 - Beam permit loops LINKED.

Preparation 450 GeV & 3.5 TeV ramp - BG

□ Additional items:

- Protection device setup is tested,
- Protection device interlocking and sequences are all tested,
 - TCDQ
- Abort gap monitor is calibrated and working,
 - Nice to have, but do we need this?
- P6 SW orbit interlock deployed and tested,
 - JW: no ready – only after the first ramp(s) + some time with stable conditions. More testing required + settings to be defined.