

MD studies

ABT/BTP, ABP, OP, Vacuum, Collimation team

MD Requests and Priorities

▶ **Highest priority:**

- ▶ Quench limits at injection (equipment installed, info for BLM limits): **4 h during MD** (8 h for quench margin at 3.5 TeV, wire scanner included?)
- ▶ Injection stability and losses (operational availability, information for HW upgrades): **8 h floating (to be defined)**
- ▶ MKI UFO studies (understanding potential operational limitation) : **0 h !!**

▶ **High priority:**

- ▶ TDI vacuum studies at injection (understanding potential operational limitation) : **8 h during MD**
- ▶ 25 ns injection (needed for scrubbing test and 2012 strategy): **12 h floating (Thursday 6th October)**

▶ **Lower priority:**

- ▶ Alignment and protection of long absorbers + TCT/TCDQ retraction: **0 h (ok for alignment, TCT/TCDQ retraction depends on β^*)**
- ▶ Transfer and injection of Q20 beam into LHC (first part can be done in **shadow if LHC down**): **0 h (should be done this year)**