

MPPr 21st October 2010, RA, BG, ML, MZ, RS, JW, MFL

Operation with 150 ns

- One more (long) fill with 312 bunches.
- Then go to 360 bunches (injection possibly with 32 bunches).
- After usual criteria, go to about 400 bunches (exact bunch pattern needs to be calculated).

Operation with 50 ns

- Start injection with 12 bunches (all fills will have the first injection with 12 bunches).
- The first physics fill will be done with 1·12 bunches and 4·24 bunches (from 2 PH injections), in total 108 bunches. This gives not yet the full beam-beam effect.
- Further fills will be done with 200 bunches, 300 bunches and 400 bunches if there is sufficient time. To be re-discussed if priority should be given to MD studies.
- The fill with 200 bunches will be done with batches of 24 bunches, from 2 booster rings.

Operation with TOTEM

- TCP to be set to 4-4.5 sigma.
- Roman pots in the vertical plane to 6 sigma.
- Four bunches, each with $7\text{-}8 \cdot 10^{10}$.
- Possibly to be done with test ramps, one ramp only for TOTEM cannot be justified.
- Interlocks need to be modified: written procedure is required, to modify the interlocks for this tests, and to come back to the initial situation.
- No stable beam will be declared.
- Later (next year) – change of SBF for such tests to be discussed, to avoid changing interlock settings.
- Time for collisions: 4h after TOTEM pots are in, max 5h after TCPs are in data taking position.

Others

- Any idea about the status of ALFA (roman pots at ATLAS)?
- Quench test at injection to be scheduled (not this WE).