

Operation with non-conform TDE pressure - ABT view

- From EN/STI studies (see presentation M.Frankl, A. Lechner this MPP)
 - In case of N2 level in dump pressure circuit below 1.1 bar
 - No limit of #bunches at 450 GeV
 - 20 bunches at 6.5 TeV in worst case spacing
- Pressure level reading is interlocked via SIS and XPOC (only in case of a dump) – consider this sufficient
 - Can upgrade XPOC check of pressure while arming LBDS
- Operational use of several 12 bunch trains at 6.5 TeV with sufficiently spaced gaps is difficult to be interlocked

Conclusions:

- In case of pressure problem limit to 12 bunches at 6.5 TeV and repair non-conformity
 - In case machine needs to be filled at injection (e.g. scrubbing) must avoid ramp –SIS? Procedure?