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Beam current limit for HL-LHC

Friday 10 February 2012 08:30 (20 minutes)

The HL-LHC upgrades require beam currents, that are significantly increased beyond the original specifications of the LHC. The talk will explore expected limitations in hardware systems (including RF power, instrumentation, vacuum), the impact of increased beam losses on quench statistics, risks due to beam current related damage, beam dynamics issues, loss-induced activation and single event upsets

Presenter: ASSMANN, Ralph Wolfgang (CERN)

Session Classification: S09 -LHC related projects and studies –Part(II)