

# Injection and Dump Systems

*Monday 12 December 2011 17:35 (25 minutes)*

Performance and failures of the LHC injection and extraction system are presented. In particular, comparison with 2010 run, lessons learnt during operation with high intensity beams and foreseen upgrades are described. UFOs, vacuum and impedance problems related to the injection and extraction equipments are analysed together with possible improvements and solutions. New implemented features, diagnostic, acknowledgment, critical issues of XPOC and IQC application are addressed.

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**Session Classification:** Session 3: Injection