

Beam quality and availability from the injectors

Tuesday 7 December 2010 17:45 (20 minutes)

The success of the first year of operation of the LHC would not have been possible without the hard work from the whole injector chain. Beams with different intensity, emittance and bunch spacing have been produced and tuned according to the often varying needs of the LHC. A review of the produced beam parameters is given, as for example transverse and longitudinal emittances, equality between bunches, presence of satellites. Additionally a critical view on how time could have been saved and which tools could be improved for the future is also given.

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Session Classification: Session 1: LHC beam operation: review of 2010 and settings the scene for 2011