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Performance reach of the injector complex

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At the start of the 2011 physics run quite some margins in the performance of the injectors were available and identified. Following the fast increase of the performance of the LHC itself during 2011, these margins have very much been exploited and some have even been pushed further.

In view of further increase in the LHC luminosity, the 2012 performance reach of the injectors will be reviewed. One of the arising topics is satellite bunches from the injectors. Until now concerted effort went into suppressing satellite bunches to a minimum, but a recent successful test with “controlled” satellites might make their routine production and characterisation an important topic in 2012.

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