

Beam preparation in injectors & beam characteristics through the injector complex

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Beam parameters such as intensity, bunch intensity distribution, longitudinal emittances, satellite population, transverse emittances and beam tails, require frequent trimming in PSB, CPS and SPS. In 2011, operators on all three machines gained a lot of experience on the preparation of high quality LHC beams. From this experience we can present procedures and scenarios for the preparation of the LHC beams, and for the filling itself. An overview of the different beam parameters, and the tools to measure and control them, will be presented.

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