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LHC Injectors Upgrade project overview

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The LHC Injectors Upgrade (LIU) project is in charge of making the CERN accelerator complex capable of reliably providing the beam required by the high luminosity LHC until at least 2030. Except for Linac4 which is already in construction, the baseline solution is to upgrade the existing accelerators, PS Booster, PS and SPS. The project is presently in a study phase, the objective being to finalize the implementation of the upgrades during the second long LHC shutdown, probably in 2018. The present limitations of the different accelerators will be described, as well as the improvements under consideration.

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Session Classification: Prospects and future developments