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Beam performance and operational efficiency at the CERN Proton Synchrotron

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The injectors for the LHC at CERN underwent a major upgrade during a recent two-year long shutdown in the framework of the LHC Injectors Upgrade (LIU) project. Following this upgrade, the Proton Synchrotron (PS) was restarted in 2021, with the same beam quality as before the upgrade quickly achieved or surpassed. This contribution details the current beam performance for fixed-target and LHC-type beams in the PS and the ongoing activities to improve the operational efficiency by means of automating routine operational tasks.

Funding Agency

Footnotes

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Yes

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