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Proton throughput in the LIU era

Tuesday 6 September 2016 14:00 (20 minutes)

The LHC Injectors Upgrade (LIU) project will implement significant upgrades across the complex during Long Shutdown 2 with the main goal to improve the performance of LHC beam production. Non-LHC physics beams might also potentially benefit from the LIU upgrades. Proton delivery through the CERN accelerator complex will be therefore discussed in view of the potential provided by LIU, including in the analysis:

- LHC and HL-LHC
- Existing non-LHC physics users and their future perspectives
- Potential new physics users, in particular SHiP
- Considerations on the optimisation of the delivery rates
- Limitations, areas of improvement, challenges

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Session Classification: Accelerator and infrastructure opportunities at CERN