

WAO'18: Workshop on Accelerator Operations



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Commissioning New CERN Accelerators

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After the Long Shutdown 1 (LS1) a working group with the mandate to review the LHC injector re-commissioning strategy was created beginning of 2015. Now with 4 years experience restarting the Proton Synchrotron Complex machines, the team is preparing the restart after Long Shutdown 2 (LS2), which will take place during 2019-2020, hosting an extensive upgrade campaign for the LHC injectors. Within the framework of the LHC Injector Upgrade (LIU) project Linac4 will replace the current Linac2 as injector for the Proton Synchrotron Booster (PSB), and in addition the PSB extraction energy will be increased from 1.4 GeV to 2 GeV. This involves changing an important fraction of the machine installations and controls.

The presentation will explain the preparation and organisation of the 2020 Linac4 and PSB re-commissioning and how we plan to take up the challenge to make the machines fully operational again in time by applying our strategy.

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