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## HIE -ISOLDE capabilities after LS2

*Thursday 5 December 2019 17:25 (20 minutes)*

This presentation will give you an overview of the Long Shutdown 2 work carried out on the REX and HIE ISOLDE post-accelerator. The repaired Cryo Module 4 which was taken out at the beginning of the year will come back to ISOLDE in 2020 with all five accelerating SRF cavities working. This will increase the total deliverable energy of the HIE ISOLDE Linac. An overview will be given of the expected available beam energies after LS2.

If green light from the CERN management is given we hope to perform not only the recommissioning of the NC REX and SC HIE ISOLDE post-accelerator in 2020 but also perform machine test and development runs to have a better understanding of the parameters and capabilities of the post-accelerator with the goal to optimize and improve setting-up times, beam quality and overall performance of the machine for the 2021 ISOLDE Physics run when the protons from the PS Booster become available. An overview of the plans for the 2020 recommissioning and test runs will be given during this presentation.

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