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Machine Commissioning

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The HIE ISOLDE project reached a major milestone in October 2015, when radioactive beams were delivered to the users for the first time. This important achievement was the culminating point of an intense year during which the first cryomodule of the HIE ISOLDE superconducting Linac and its high-energy beam transfer lines were installed and subsequently brought into operation. An essential phase of this process is the so-called hardware commissioning, whereby all the technical systems are thoroughly tested in the final configuration in order to define the envelope of parameters within which the machine could be operated, to test and validate software and controls, and to investigate the limitations preventing the systems to reach their design performance. Methods and main results of the first hardware commissioning campaign of the HIE ISOLDE post accelerator will be reviewed in this contribution.

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