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Operation status and recent upgrade of the HIRFL facility

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The Heavy Ion Research Facility at Lanzhou (HIRFL) is a significant infrastructure for nuclear physics, atomic physics and application sciences in China. It consists of linac injector, cyclotrons, synchrotrons and several experimental terminals. Heavy ion beams up to uranium can be accumulated, accelerated and delivered to different terminals. Recently, a CW linac was installed as the injector of the cyclotron SSC to increase beam intensities. An upgrade of synchrotrons including dipole power supply, vacuum system, kicker power supplies and septum was completed to ensure the maximum operation magnetic rigidity of 12 Tm. In this paper, the HIRFL operation status was introduced and details of upgrade projects were presented.

Footnotes

Funding Agency

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Yes

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