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Commissioning of the HEPS

Monday 11 August 2025 12:00 (30 minutes)

The High Energy Photon Source (HEPS) is the first 4th generation light source and the first high-energy storage ring light source in China, with a beam energy of 6 GeV, a circumference of 1360 m and a natural emittance of a few tens of picometers. As a green-field light source, the HEPS construction started in 2019 and is scheduled to be completed in 2025. Now civil construction, component fabrication and tunnel installation, and beam commissioning of the HEPS has been basically finished. In this report, the accelerator and especially the storage ring commissioning results, and main physics issues faced and corresponding measures during the beam commissioning will be presented.

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Footnotes

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