

Status of the High Energy Photon Source (HEPS) in Beijing

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The HEPS, a 6 GeV greenfield low-emittance synchrotron, is planned to break ground in Beijing at the end of this year. The accelerator physics design is optimized with emittance down to less than 50pm.rad in a 7BA lattice. The size of the ring circumference is 1360m and the beam current is 200mA. In phase I, 14 beamlines will be constructed with an additional test beamline. Before the HEPS project, the R&D project of the key techniques and instrumentations has been implemented. We will introduce the design of the machine and present the description of the key beamlines. The output of the R&D will also be introduced. The HEPS will be open to users in 2025.



Art birdview of the HEPS