

## The design of HEPS beam diagnostics system

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The High Energy Photon Source (HEPS) is a 6-GeV, 1.3-km, ultralow-emittance storage ring light source to be built in the Huairou District, northeast suburb of Beijing, China. The beam diagnostics as the critical part of the diffraction-limited storage ring light source have many challenges in design and fabrication. This report will present the preliminary design of HEPS beam diagnostics, including the injector and the storage ring. Also the R&D efforts in beam diagnostics will be shown in the talk.

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