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Progress of physics studies and commissioning preparations for the High Energy Photon Source

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The High Energy Photon Source (HEPS) is a 34-pm, 1360-m storage ring light source being built in the suburb of Beijing, China. The construction of HEPS started in mid-2019. Later, to deal with challenges emerging from the technical and engineering designs, the HEPS accelerator physics design was modified and had been finalized in 2020. Afterwards, studies on related physics issues were updated and have been basically finished. Besides, preparing studies for commissioning of the HEPS Linac, booster and storage ring were started almost at the same time, and are still underway. The commissioning of the Linac has been launched since early of 2023. In this paper, we will briefly introduce the updated studies on related physics issues and present the results of the Linac commissioning.

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Footnotes

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