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APPLE-KNOT design at Helmholtz Zentrum Berlin

Tuesday 3 June 2025 16:00 (2 hours)

Work continues on the magnetic design for an APPLE-KNOT that is in development for the BESSY III successor facility. BESSY III is planned to operate at a higher energy of 2.5 GeV in comparison to the current BESSY II energy of 1.7 GeV. This necessitates the development of a long period undulator to provide access to photons down to 5 eV, with suppressed on-axis power as made possible by the APPLE-KNOT design.
The magnetic design and spectral properties will be presented.

Footnotes

Paper preparation format

Word

Region represented

Europe

Funding Agency

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