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Novel undulators: the long and winding road to brightness

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Storage rings and free electron lasers use undulators to produce high-brilliant X-ray photon beams. In order to increase brilliance and photon energy tunability it is necessary to enhance the undulator magnetic peak field on axis by reducing its period without decreasing the electron beam stay clear. Undulator technologies aiming to reach this goal are presented.

Footnotes

Funding Agency

Paper preparation format

Region represented

Europe

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