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Insertion device developments for Elettra 2.0

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The layout of Elettra 2.0 preserves the useful length of the long straight sections so that all the existing insertion devices (IDs) could in principle be maintained in the upgraded machine. However, new high-performance beamlines are planned that will take advantage of the much lower electron beam emittance. Therefore new undulators are being designed and constructed for these beamlines. Space is also available in some of the short straight sections, and we're developing compact undulators and wigglers to make optimal use of them. In this contribution the parameters and characteristics of the new IDs will be presented.

Funding Agency

Footnotes

I have read and accept the Privacy Policy Statement

Yes

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