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Conceptual Design for a Future Australian Light Source

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Conceptual design work is under way for a fourth generation light source in Australia. This new light source is being designed as a completely new facility, intended to come into operation around 2037 as the current Third generation Australian Synchrotron reaches its end of life. Previous design work was done to consider a 600 m ring, but on review the decision was made to reduce the circumference to 450 m. This paper will outline the main design considerations, initial lattice design and technology choices currently under consideration.

Footnotes

Funding Agency

Paper preparation format

Region represented

Asia

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