



Contribution ID: 2641 Contribution code: THODB1

Type: Contributed Oral Presentation

Commissioning of a 1.6 m long 16mm period superconducting undulator at the Australian Synchrotron

Thursday, 11 May 2023 11:30 (20 minutes)

A 1.6 m long 16 mm period superconducting undulator (SCU16) has been installed and commissioned at the Australian Synchrotron. The SCU16, developed by Bilfinger Noell GmbH, is based on the SCU20 currently operating at at KIT. The SCU16 is conduction cooled with a maximum on axis field of 1.084 T and a fixed effective vacuum gap of 5.5 mm. The design and performance of the longest superconducting undulator at a light source will be presented.

Funding Agency

Footnotes

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Yes

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Session Classification: MC07.3 - Accelerator Technology and Sustainability (Contributed)

Track Classification: MC7: Accelerator Technology and Sustainability: MC7.T15: Undulators and Wigglers