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Design of a Synchrotron Radiation Light Source for Industrial Application at SSRF

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Synchrotron radiation light sources have attracted significant interest for industrial applications. Unlike large-scale light sources designed for scientific research, those intended for industrial use must be highly compact to save space and reduce cost. The Shanghai Synchrotron Radiation Facility (SSRF) has developed a compact synchrotron-based light source, with its storage ring having a circumference of several tens of meters. Short-period undulators are employed to generate high-flux synchrotron radiation, covering the range from ultraviolet (UV) light to soft X-rays. This presentation will introduce the design of this light source, including the lattice design and key aspects of its implementation.

Paper submission Plan

No

Best Presentation

No

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