



Contribution ID: 1323 Contribution code: TUPG30

Type: **Poster Presentation**

## Candidate lattice design for SAPS storage ring

*Tuesday, 21 May 2024 16:00 (2 hours)*

The Southern Advanced Photon Source (SAPS) is a 3.5 GeV, kilometer-scale, ultra-low emittance storage ring to be built next to the CSNS (China Spallation Neutron Source) in Guangdong Dongguan, China. A lattice design of storage ring was proposed, consisting of 32 modified hybrid 7BAs, and having a natural emittance of 26.3 pm·rad and a circumference of ~810 m. In this paper, a candidate lattice design will be introduced.

### Footnotes

### Funding Agency

### Paper preparation format

### Region represented

Asia

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**Session Classification:** Tuesday Poster Session

**Track Classification:** MC2: Photon Sources and Electron Accelerators: MC2.A05 Synchrotron Radiation Facilities