



Contribution ID: 1438 Contribution code: WEPC36

Type: **Poster Presentation**

## Preliminary design for the JHLS storage ring

*Wednesday, 22 May 2024 16:00 (2 hours)*

Jinhua light source (JHLS) is a synchrotron radiation facility with the aim of the increasing requirement of user demands for industrial applications. The lattice contains 16 super-periods in order to accommodate different end users for experiments. The circumference is less than 240 m, and the natural emittance is less than 10 nm-rad at 2.6 GeV. In this paper, we present a modified Triple Bend Achromat (TBA) lattice as the preliminary design for the JHLS storage ring. The 'sandwich' longitudinal gradient bends and horizontal defocusing bends are introduced into lattice in order to decrease the natural emittance. The detail design is reported in this paper.

### Footnotes

### Funding Agency

### Paper preparation format

### Region represented

Asia

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**Session Classification:** Wednesday Poster Session

**Track Classification:** MC2: Photon Sources and Electron Accelerators: MC2.A24 Accelerators and Storage Rings, Other