IPAC'23 - 14th International Particle Accelerator Conference



Contribution ID: 1846 Contribution code: WEPL019

Type: Poster Presentation

BPM offset measurements at rapid cycling synchrotron in China Spallation Neutron Source

Wednesday, 10 May 2023 16:30 (2 hours)

The Rapid Cycling Synchrotron is the key part of the China Spallation Neutron Source with the repetion rate of 25Hz. The lattice of the RCS is based on triplet cells with the superperiod of four. Due to ultilizing the trim quadrupoles in June 2021, the BPM OffSets were carefully measured, and the beam operation is more steady. In this paper, we will review the preparation of BPM OffSets measurements with the virtual accelerator, and the results of the measurements with beam.

Funding Agency

Footnotes

I have read and accept the Privacy Policy Statement

Yes

Primary author: AN, Yuwen (Institute of High Energy Physics)

Co-authors: LI, Yong (Dongguan Neutron Science Center); LU, Xiaohan (Institute of High Energy Physics); XU, Shou (Dongguan Neutron Science Center)

Presenter: XU, Shou (Dongguan Neutron Science Center)

Session Classification: Wednesday Poster Session

Track Classification: MC5: Beam Dynamics and EM Fields: MC5.D01: Beam Optics Lattices, Correction Schemes, Transport