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

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The Rapid Cycling Synchrotron is the key part of the China Spallation Neutron Source with the repetition rate of 25Hz. The lattice of the RCS is based on triplet cells with the superperiod of four. Due to utilizing 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.

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Footnotes

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Yes

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