Contribution ID: **2438** Contribution code: **SUPS003** Type: **Student Poster Presentation**

Resonance Driving Terms characterization at VEPP-2000 collider

Sunday 1 June 2025 14:00 (2 hours)

The VEPP-2000 collider is a compact machine, which uses the round-beam concept to achieve high luminosity. Its compact size (24 m in circumference) limits the free space between the magnetic elements. Only 4 BPMs are installed in the ring with large phase advance between them (~2 pi). The key to improve its luminosity is to reduce the power of resonances. The implementing of the RDT measurement technique with our limitations is discussed. The presented experimental data gives basic information on the location of the considered magnetic perturbation causing the RDT.

Footnotes

Paper preparation format

Word

Region represented

Asia

Funding Agency

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Session Classification: Student Poster

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