



Contribution ID: 2403 Contribution code: TUPA162

Type: **Poster Presentation**

Impedance model of the Fermilab Recycler Ring

Tuesday, 9 May 2023 16:30 (2 hours)

As the intensity and power quest continue to increase in several physics experiments, collective effects become more limiting, and curing them becomes more involved. Therefore, an accurate description of the machine components is required to investigate such effects. In this work, we present an impedance model for the Fermilab Recycler Ring. We quantify the impedance of several elements in the ring and benchmark our results with experimental data.

Funding Agency

Footnotes

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Yes

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Session Classification: Tuesday Poster Session

Track Classification: MC4: Hadron Accelerators: MC4.A04: Circular Accelerators