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Progress towards halo modeling at the SNS Beam Test Facility

Thursday 29 August 2024 16:00 (2 hours)

The SNS beam test facility is a model of the SNS front end (source through medium-energy transport). Ongoing work at the BTF focuses on accurate modeling of the beam distribution to enable the prediction of halo losses (>100 parts per million). This presentation will discuss the latest progress towards this goal, including recent results after a reconfiguration of the test beamline and diagnostics upgrades. I will also discuss use of the test facility for developing accelerator tuning applications.

Footnotes

Funding Agency

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