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Journey to world's highest power hadron beams at SNS

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The Spallation Neutron Source accelerator is the highest power proton accelerator in the world, operating with over 1.4 MW with high reliability. Commissioned in 2006, it took thirteen years to achieve the 1.4 MW design goal of the facility and required overcoming tremendous technological challenges. The SNS path to high power has significantly influenced the outlook for future of high-power accelerators. This talk will describe the innovative journey to high power and the lessons learned along the way, and will close with a preview of SNS's future beyond 1.4 MW.

Footnotes

Funding Agency

Paper preparation format

Region represented

North America

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