

## operation status of the CSNS Linac

*Friday, November 14, 2025 9:00 AM (30 minutes)*

The China Spallation Neutron Source (CSNS) is a pulsed spallation neutron source based on a high-power proton accelerator. Specifically, it comprises an 80 MeV  $H^-$  Linac (Linear Accelerator) and a 1.6 GeV Rapid Cycling Synchrotron (RCS), with a designed beam power of 100 kW and a repetition rate of 25 Hz. CSNS officially started operation in 2018 and has since steadily increased its beam power to 170 kW. The accelerator system maintains an average annual beam supply time of over 5,000 hours and an operational efficiency of more than 95%. This report presents the operation status of the CSNS Linac as well as the Linac's future application plans.

### Paper submission Plan

No

### Best Presentation

No

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