



Contribution ID: 663 Contribution code: THPM055

Type: **Poster Presentation**

## **Preliminary commissioning results of the LW prototype at CSNS**

*Thursday 5 June 2025 15:30 (2 hours)*

China Spallation Neutron Source (CSNS) accelerator complex will employ a new superconducting accelerating section to provide high beam power. To prevent contamination of the superconducting cavity surface caused by sputtering, shedding, or melting of medium materials during interceptive beam measurements, the second phase of the China Spallation Neutron Source (CSNS) superconducting linac section will adopt laser stripping technology for transverse distribution measurements of the negative hydrogen beam at nine stations. This paper describes the design of LW prototype including laser parameters, optics transmission and simulation of laser-beam interaction. And the preliminary results of the profile measurement where beam energy is 80MeV are also presented.

### **Footnotes**

### **Paper preparation format**

LaTeX

### **Region represented**

Asia

### **Funding Agency**

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**Session Classification:** Thursday Poster Session

**Track Classification:** MC6: Beam Instrumentation and Controls, Feedback and Operational Aspects: MC6.T03 Beam Diagnostics and Instrumentation