Contribution ID: **6** Contribution code: **WEP052** Type: **Poster Presentation**

Klystron and Modulator issues affecting LANSCE Beamtime

Wednesday 13 August 2025 16:00 (2 hours)

This paper discusses the types of faults seen by the 805MHz CCL (side Coupled Cavity Linac) high power Los Alamos Neutron Science Center RF klystron-modulator system. Failures leading to beam down time are tracked across various years and underlying failure causes leading to these high-power RF issues are discussed. The biggest culprits causing significant downtime from the klystron and the modulator side are identified and solutions to address these issues are discussed.

Please consider my poster for contributed oral presentation

Yes

Would you like to submit this poster in student poster session on Sunday (August 10th)

No

Footnotes

Funding Agency

US DOE & LDRD

I have read and accept the Privacy Policy Statement

Yes

Authors: WAGHMARE, Aditya (Los Alamos National Laboratory); Dr HAYNES, William (Los Alamos National Laboratory)

Co-authors: VALLADARES, Jesus (Los Alamos National Laboratory); Dr BRADLEY, Joseph (Los Alamos National Laboratory)

Presenter: WAGHMARE, Aditya (Los Alamos National Laboratory)

Session Classification: WEP: Wednesday Poster Session

Track Classification: MC7 –Accelerator Technology and Sustainability