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Progress on commissioning of the CARIE facility at LANL

Wednesday 13 August 2025 16:00 (2 hours)

The cathodes and RF interaction at extremes (CARIE) is a project in Los Alamos National Laboratory (LANL) that aims for generating a high-brightness electron beam from a high-gradient photocathode. The commissioning of the CARIE facility started in 2022. A 50 MW C-band klystron was conditioned in 2023. A waveguide line including a high-power circulator was constructed and conditioned up to 12 MW in 2024. The facility has new control and logging systems currently being in implementation. An RF injector without a cathode plug was successfully tuned and is ready for installation. This talk will present the progress on commissioning and outlook of the project.

Please consider my poster for contributed oral presentation

No

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

No

Footnotes

Funding Agency

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I have read and accept the Privacy Policy Statement

Yes

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