Contribution ID: **327** Contribution code: **THP067** Type: **Poster Presentation**

Recent progress on CsTe photocathode growth at LANL

Thursday 14 August 2025 16:00 (2 hours)

This poster will discuss the performance of CsTe photocathodes recently grown for the CARIE (Cathodes and Radiofrequency Interactions in Extremes) project at LANL. CARIE requires a low emittance, high quantum efficiency (QE) photocathode, capable of withstanding challenging vacuum conditions and high fields. CsTe is a natural fit. We will describe recent efforts to optimize the co-deposition process after our growth chamber was rebuilt from contamination. We will also show our study of QE from CsTe on different substrates.

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

I have read and accept the Privacy Policy Statement

Yes

Author: ZHANG, Jinlin (Los Alamos National Laboratory)

Co-authors: ALEXANDER, Anna (Los Alamos National Laboratory); SIMAKOV, Evgenya (Los Alamos National Laboratory); WANG, Gaoxue (Los Alamos National Laboratory); XU, Haoran (Los Alamos National Laboratory)

Presenter: XU, Haoran (Los Alamos National Laboratory)

Session Classification: THP: Thursday Poster Session

Track Classification: MC2 - Photon Sources and Electron Accelerators