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Recent progress on CsTe photocathode growth at LANL

Tuesday 3 June 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 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 while characterizing the optical response. We will also describe efforts to grow a CsTe photocathode on a plug that can be integrated into the CARIE photoinjector.

Footnotes

Paper preparation format

LaTeX

Region represented

America

Funding Agency

Author: ZHANG, Jinlin (Los Alamos National Laboratory)

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

Presenter: SIMAKOV, Evgenya (Los Alamos National Laboratory)

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