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## Progress report on the upcoming drive beam photoinjector upgrades at the Argonne Wakefield Accelerator

Monday 11 August 2025 16:00 (2 hours)

The Argonne Wakefield Accelerator test facility is dedicated to research on advanced acceleration, beam manipulation, and beam production. With a focus primarily in the development and testing of high-gradient wakefield-accelerator structures, the drive beamline RF photoinjector is capable of delivering high charge (100s of nC) 65 MeV electron bunch trains. We present the planned upgrades to the drive photoinjector aimed at increasing both beam brightness and stability, and report on the current progress for the first phase of the upgrade and upcoming RF gun installation.

## 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

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