



Contribution ID: 41

Type: **Poster (including Speed Talk)**

Preliminary Simulation on Terahertz superradiation generation at PITZ

Friday 27 June 2025 10:32 (3 minutes)

The photoinjector test facility at DESY in Zeuthen (PITZ) is developing a THz free electron laser using its high brightness electron beams. A start-to-end (S2E) simulation for generating superradiation at 3 THz is performed to explore the potential of producing few-cycle high-energy terahertz radiation using the current THz beamline. The results will be discussed in this poster.

Summary

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Session Classification: Beam Dynamics

Track Classification: Beam dynamics