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Type: Poster Presentation

Beam tilt characterization using passive streaking structures

Tuesday 12 August 2025 16:00 (2 hours)

Passive wakefield devices such as corrugated structures have demonstrated great potential for longitudinal phase space control and diagnostics in FEL. In this paper, we will discuss the application of corrugated structures in beam tilt characterization. We show that a tilted beam experience asymmetric kicks when passing through corrugated metal jaws and the asymmetry of streaked profiles are related to the degree of tilt. Practical implementation of beam tilt correction will be discussed.

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: XU, Tianzhe (SLAC National Accelerator Laboratory)

Co-authors: LUTMAN, Alberto (SLAC National Accelerator Laboratory); HALAVANAU, Aliaksei (SLAC National Accelerator Laboratory)

Presenter: XU, Tianzhe (SLAC National Accelerator Laboratory)

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