

Contribution ID: 1156 Contribution code: MOPB073

Type: Poster Presentation

Design a fast kicker for SPEAR3 pseudo single bunch operation

Monday 2 June 2025 16:00 (2 hours)

In this paper, we present the specification and design of a fast stripline kicker for enabling pseudo-single bunch operation in the SPEAR3 storage ring. We discuss both 2D and 3D RF structure designs, along with impedance calculations. Special attention is given to design considerations, including geometric constraints and the impedance impact of the small transverse aperture.

Footnotes

Paper preparation format

LaTeX

Region represented

America

Funding Agency

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Session Classification: Monday Poster Session

Track Classification: MC2: Photon Sources and Electron Accelerators: MC2.A05 Synchrotron Radi-

ation Facilities