



Contribution ID: 1252 Contribution code: MOPS43

Type: **Poster Presentation**

Microbunching instability for beam switchyard transport

Monday, 20 May 2024 16:00 (2 hours)

Microbunching instability (MBI) has been an important issue in the design of advanced x-ray free-electron lasers. We have performed theoretical and simulation analyses of MBI for the transport in the beam switchyard system, including the effects of different initial beam parameters. In addition, a comparison is given for different beam switchyard section designs.

Footnotes

Funding Agency

Paper preparation format

Region represented

Asia

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Session Classification: Monday Poster Session

Track Classification: MC5: Beam Dynamics and EM Fields: MC5.D05 Coherent and Incoherent Instabilities Theory, Simulations, Code Development