



Contribution ID: 2850 Contribution code: MOOG2

Type: Contributed Oral Presentation

Characterisation of microbunching instability at the FERMI Free Electron Laser

Monday, 8 May 2023 15:50 (20 minutes)

A systematic study of microbunching instability is being carried out in the FERMI free-electron laser linac driver. This talk will report about modelling and experiments related to the instability, including the development of an infrared (IR) spectrometer for the diagnostic of microbunching-induced coherent emission in the IR spectral range.

Funding Agency

Footnotes

I have read and accept the Privacy Policy Statement

Yes

Primary author: BRYNES, Alexander (Elettra-Sincrotrone Trieste S.C.p.A.)

Presenter: BRYNES, Alexander (Elettra-Sincrotrone Trieste S.C.p.A.)

Session Classification: MC07.1 - Accelerator Technology and Sustainability (Contributed)

Track Classification: MC5: Beam Dynamics and EM Fields: MC5.D01: Beam Optics Lattices, Correction Schemes, Transport