IPAC'23 - 14th International Particle Accelerator Conference



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## 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

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