IPAC'24 - 15th International Particle Accelerator Conference



Contribution ID: 1828 Contribution code: WEPR47 Type: Poster Presentation

Evaluation of plasma cascade amplifier at frequency of 15 THz

Wednesday, 22 May 2024 16:00 (2 hours)

We present results of experimental demonstration of Plasma Cascade Amplifier with 10 THz bandwidth of Coherent electron Cooling experiment at BNL. We present results our simulation, experimental set-up and analysis of our measurements.

Footnotes

Funding Agency

Paper preparation format

Region represented

North America

Primary author: LITVINENKO, Vladimir (Stony Brook University)

Presenter: LITVINENKO, Vladimir (Stony Brook University) **Session Classification:** Wednesday Poster Session

Track Classification: MC5: Beam Dynamics and EM Fields: MC5.D06 Coherent and Incoherent

Instabilities Measurements and Countermeasures