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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

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**Session Classification:** Wednesday Poster Session

**Track Classification:** MC5: Beam Dynamics and EM Fields: MC5.D06 Coherent and Incoherent Instabilities Measurements and Countermeasures