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Type: **Poster Presentation**

Status coherent electron cooling experiment at RHIC

Tuesday, 21 May 2024 16:00 (2 hours)

Coherent electron Cooling (CeC) experiment aims on demonstrating cooling of 26.5 GeV/u ion beam circulating in RHIC. We will present results of the CeC experiment with special focus on the use and the control of the broad-band micro-bunching Plasma Cascade Amplifier with bandwidth of 15 THz. We will also discuss connection of this experiment with the developing the CeC cooler for future

Footnotes

Funding Agency

Paper preparation format

Region represented

North America

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Session Classification: Tuesday Poster Session

Track Classification: MC4: Hadron Accelerators: MC4.A11 Beam Cooling