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Type: Invited Oral Presentation

Accelerator Technology for the Electron Ion Collider

Thursday 14 August 2025 12:00 (30 minutes)

The Electron Ion Collider design includes sophisticated accelerator technology to produce high energy, high luminosity collisions with polarized beams. This talk overviews some of the key technologies, including a suite of different SRF cavities for accelerating and crabbing, cryogenics system, as well as high field interaction region magnets. The talk will also describe several examples where engineering decisions related to cost/performance and operational flexibility optimization needed to be made on the path for maturing the EIC design.

Please consider my poster for contributed oral presentation

No

Would you like to submit this poster in student poster session on Sunday (August 10th)

No

Footnotes

Funding Agency

I have read and accept the Privacy Policy Statement

Yes

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Session Classification: Accelerator Technology and Sustainability (Invited)

Track Classification: MC7 –Accelerator Technology and Sustainability