

Abstract Submitted
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A cooling storage ring for an electron-ion collider JAMES GERITY,
PETER MCINTYRE, Texas AM University — Electron cooling is a two-species
process for lowering the emittance of a beam of particles, providing a powerful
pathway to higher luminosity in colliding beams. A first design of a 6 GeV/u storage
ring for cooling ions as an augmentation to the Medium Energy Ion Collider (MEIC)
is presented, along with some remarks on the particulars of electron cooling in this
ring.

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