

Abstract Submitted
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Imaging quarks and gluons at an Electron-Ion Collider MARKUS DIEFENTHALER, Jefferson Lab — Transverse momentum dependent (TMD) distributions are a novel QCD tool that allow the mapping of the motion of quarks and gluons in nuclear matter. The Electron-Ion Collider will allow for a high-precision study of TMDs at the scale of sea quarks and gluons. In my presentation, I will discuss the requirements on theory as well as on accelerator, detector, and computer technology for the TMD program.

Markus Diefenthaler
Jefferson Lab

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