

Abstract Submitted  
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**Feasibility studies of neutrino-jet and hadron-in-jet azimuthal modulations in charged-current DIS at the EIC**<sup>1</sup> SEBOUH PAUL, University of California, Riverside — We explore the potential of charged-current measurements at the Electron-Ion Collider to gain flavor sensitivity for the 3D imaging of the nucleon. In particular, we focus on the prospects of neutrino-jet azimuthal correlations, which probe the Sivers effect, and hadron-in-jet measurements, which probe the Collins effect and quark transversity. We project the kinematic reach and precision of these measurements and study their feasibility using parameterized detector simulations with the Delphes program.

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