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Few-Body Physics at the Electron-Ion Collider[1]

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The Electron-Ion Collider(EIC) presents unprecedented new opportunities for research in Few-Body Nuclear Physics. This research has two main aspects: First, the A=2,3 nuclei at relatively small internal momenta can be used as "micro-lab" for testing QCD properties of hadrons, such as polarized partonic distributions, quark-gluon hadronization and nuclear medium modifications. Secondly, the EIC configuration gives unique possibility to probe the elusive repulsive core of the NN interaction by probing its non-nucleonic and hidden color component. The talk will review in detail the above aspects of Few-Body studies at EIC as well as present the development of the baseline theoretical framework of semi-inclusive deep inelastic electron-light-nucleus scattering at collider kinematics.

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