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Electroweak and BSM physics at the EIC

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Despite the fact that Electroweak (EW) and Beyond the Standard Model (BSM) physics are not main objectives of the Electron Ion Collider (EIC), certain EW/BSM precision measurements could be performed there. The high luminosity and much cleaner environment offered at the EIC (compared to the hadron machines) would allow precision measurements in electroweak physics, especially important at high-x region. The machine and detector capabilities would allow to perform a flavor separation. During the talk perspective for Neutral current (γZ) and Charged current measurements at EIC will be presented. Also, possible searches for BSM physics (for example, for e-tau charged lepton flavor violation, or W_R) at an EIC will be discussed.