EIC opportunities for Snowmass



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Charm as a probe for strangeness at the EIC

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We explore the feasibility of the measurement of charm-jet cross sections in charged-current DIS at the EIC. This channel provides clean sensitivity to the strangeness content of the nucleon in the high-x region. We show the expected sensitivity to various strange PDFs, and hence this measurement will be key to future QCD global analyses.

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