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Hadronization in cold nuclear matter: present data and future prospects

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In this talk, I will review the existing data on hadronization in semi-inclusive DIS off nuclear targets, beginning with the HERMES era, followed by Jefferson Lab CLAS experiment at 6 GeV and the recently realized continuation with 11 GeV beams. A unique feature of semi-inclusive DIS is its ability to investigate time-dependence of color propagation and hadronization processes by embedding it in well understood nuclear medium of increasing size allowing for studies of a variety of important partonic and hadronic processes. I will further talk about the future physics prospects at the EIC and JLab at 22 GeV.

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