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EIC at Small-x: Connections to p+p/A & A+A Physics at RHIC & LHC

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Over past years DIS e+p data have provided crucial inputs to the phenomenology of p+p/A & A+A collisions. Largest uncertainties in such modeling arise from the spatial and momentum distribution of partons inside nuclei at small-x. In this talk, I will discuss such issues and highlight a few recent measurements of the charge inclusive and charge dependent angular correlations from RHIC and LHC that will help us better constrain partonic distributions inside nuclei as well as inside the hadrons. I will also discuss how the lessons from RHIC & LHC can be useful to model event-by-event physics at the EIC at small-x.

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