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3D proton imaging via time-reversal odd TMD gluon distributions

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We present exploratory analyses of the 3D proton tomography via polarized time-reversal odd gluon TMD PDFs at twist-2, obtained in a spectator-model framework. We embody in our approach a flexible parameterization for the spectator-mass spectral function, suited to catch both small- and moderate-x effects. All these studies are relevant to unveil the gluon dynamics inside hadrons, which represents a core research line of studies at new-generation colliding machines.

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