

Abstract Submitted  
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**Transverse Force Tomography**<sup>1</sup> MATTHIAS BURKARDT, New Mexico State University — While twist-2 GPDs allow for a determination of the distribution of partons on the transverse plane, twist-3 GPDs contain quark-gluon correlations that provide information about the average transverse color Lorentz force acting on quarks. As an example, we use the nonforward generalization of  $g_T(x)$ , to illustrate how twist-3 GPDs can provide transverse position information about that force.

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