

Erratum

Generalized parton distributions in impact parameter space

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The kinematical factor in the positivity bound (36) is incorrect. The bound correctly reads

$$(1 - \xi^2)^3 \left| \mathcal{I}_{\lambda'\lambda}(x, \xi, \mathbf{b}) \right|^2 \\ \leq \mathcal{I}_{++}\left(\frac{x - \xi}{1 - \xi}, 0, \frac{\mathbf{b}}{1 - \xi}\right) \mathcal{I}_{++}\left(\frac{x + \xi}{1 + \xi}, 0, \frac{\mathbf{b}}{1 + \xi}\right).$$

Our corrected result agrees with inequality (25) in [1], taking into account the different normalization conventions here and there.

References

1. P. V. Pobylitsa, Phys. Rev. **D66**, 094002 (2002), hep-ph/0204337.