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Parton Distribution Function from Hadronic Tensor

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Parton Distribution function can be obtained from calculating the hadronic tensor on the lattice. It involves a 4-point function evaluation with two vector or axial-vector currents. We propose to use the source method for one of the currents and effectively reduce the numerical complexity to that of a 3-point function. The method can be generalized to evaluate other 4-point functions.

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