

Photon impact factor and k_T -factorization for DIS in the next-to-leading order

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Summary

The photon impact factor for the BFKL pomeron is calculated in the next-to-leading order (NLO) approximation using the operator expansion in Wilson lines.

The result is represented as a NLO k_T -factorization formula for the structure functions of small- x deep inelastic scattering.

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