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Title:	Hard gluon evolution of nucleon generalized parton distributions in the light-front quark model
Authors:	Sharma, Neetika (/jspui/browse?type=author&value=Sharma%2C+Neetika)
Keywords:	Form Factor Impact Parameter Anomalous Magnetic Moment Electromagnetic Form Factor ZEUS Collaboration
Issue Date:	2016
Publisher:	Springer New York LLC
Citation:	European Physical Journal A, 52(4)
Abstract:	We incorporate the perturbative evolution effects in the generalized parton distributions (GPDs) calculated in effective light-front quark model for the nucleon. The perturbative effects enter into formalism through the evolution of GPDs according to the Dokshitzer-Gribov-Lipatov-Altarelli-Parisi-like (DGLAP) equation. We obtain the evolved GPDs in the momentum space and transverse impact parameter space. We observe that combining the light-front quark model with the perturbative evolution effects, give the effective model for studying the phenomenological GPDs.
URI:	https://link.springer.com/article/10.1140/epja/i2016-16091-4#Abs1 (https://link.springer.com/article/10.1140/epja/i2016-16091-4#Abs1) http://hdl.handle.net/123456789/2421 (http://hdl.handle.net/123456789/2421)
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