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Title:	Diffractive ρ and ϕ production at HERA using a holographic AdS/QCD light-front meson wave function						
Authors:	Sharma, Neetika (/jspui/browse?type=author&value=Sharma%2C+Neetika)						
Keywords:	Anti-de Sitter Light-front wave Holographic						
Issue Date:	2016						
Publisher:	American Physical Society						
Citation:	Physical Review D, 94(7).						
Abstract:	We use an anti–de Sitter/quantum chromodynamics holographic light-front wave function for the ρ and φ mesons, in conjunction with the color glass condensate dipole cross section whose parameters are fitted to the most recent 2015 high precision HERA data on inclusive deep inelastic scattering, in order to predict the cross sections for diffractive ρ and φ electroproduction. Our results suggest that the holographic meson light-front wave function is able to give a simultaneous description of ρ and φ production data provided we use a set of light quark masses with m u , d < m s \approx 0.14 GeV .						
Description:	Only IISERM authors are available in the record.						
URI:	https://journals.aps.org/prd/abstract/10.1103/PhysRevD.94.074018 (https://journals.aps.org/prd/abstract/10.1103/PhysRevD.94.074018) http://hdl.handle.net/123456789/2439 (http://hdl.handle.net/123456789/2439)						
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