

Abstract Submitted
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Light front holography in exploration of the ground and excited nucleons¹ ALEXANDRE DEUR, Jefferson Lab — Light front holography has emerged as a fruitful approach to describe the non-perturbative structure of hadrons. In this talk, I will discuss results from the bottom-up soft-wall AdS/CFT model developed by Brodsky, de Tramond and collaborators. After briefly describing the model, I will show how it successfully predicts the hadronic mass spectrum using Λ_{QCD} as its only parameter. Then, I will show how the approach also predicts with a minimal number of parameters the nucleon form-factors, the polarized and unpolarized PDFs and the GPDs.

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