

Abstract Submitted
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Vector Meson Form Factors and Wave Functions from Holographic QCD.¹ HOVHANNES GRIGORYAN, Jefferson Lab/LSU, ANATOLY RADYUSHKIN, Jefferson Lab/ODU — Based on the holographic dual model of QCD, we study 2- and 3-point functions of vector currents and derive form factors as well as wave functions for the vector mesons. As a result, generalized vector-meson dominance representation for form factors is obtained with a very specific VMD pattern. The calculated electric radius of the rho-meson is shown to be in a good agreement with predictions from lattice QCD.

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