AdS/QCD Applied to Baryon Structure and Strangeness Changing Currents CARL CARLSON, College of William and Mary — We calculate observables such as the electromagnetic form factors of nucleons and their gravitational or energy-momentum form factors (which can be obtained experimentally as moments of the generalized parton distributions) by using an AdS/QCD model, where one considers a Dirac field coupled to a vector field in the 5-dimensional AdS space. We will also comment on how to extend AdS/QCD considerations to include quarks of differing masses, giving results for the $K_{\ell 3}$ form factor as a dynamical example.

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