

# Holographic QCD (review)

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We review the basic ideas to extract low energy properties of hadrons from string theory via gauge/string duality. QCD is realized in string theory by using D-branes, and the holographic description is obtained by replacing some of the D-branes with the corresponding curved background. The meson effective theory turns out to be a 5 dimensional YM-CS theory and baryons are described as solitons. Using this description, we are able to analyze a lot of properties of hadrons. Although the approximation is not very accurate at the moment, we show that not only the spectrum, but also the interactions of hadrons are in unexpectedly good agreement with the experimental data.

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