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## Hadron structure in two dimensional QCD

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The meson's boundstate equation in two dimensional QCD under large  $N_c$  limit (QCD<sub>2</sub>) are exactly solvable in both light-front quantization and equal time quantization. In the meanwhile, QCD<sub>2</sub> captures some key features of realistic QCD in four dimension, such as color confinement, nonzero quark condensate. QCD<sub>2</sub> become an ideal theoretical laboratory for investigate theoretical method dealing with hadrons' structure from a field theory first-principle approach, such as Large Momentum Effective Theory, NRQCD factorization. We present the QCD<sub>2</sub> investigation of nonperturbative quantities: e.g. light-cone/quasi PDF/GPD, (heavy quark) fragmentation function, intrinsic charm distribution and the energy decomposition of a hadron is also discussed.

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