Abstract Submitted
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Light-front holography and the coupled-cluster method[1] JOHN HILLER, University of Minnesota-Duluth — We explore a combination of light-front holographic QCD and the light-front coupled-cluster (LFCC) method in the context of a quark model for mesons. The LFCC method converts the meson eigenstate problem of QCD into an effective eigenproblem in the valence quark-antiquark Fock sector. Light-front holography then provides an analytically solvable model for the valence sector, which can be used as a starting point for the solution of the LFCC eigenproblem.

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