

Predictions for pion and its excited states spectrum and other observables using holographic QCD plus 't Hooft equation.

Friday 19 July 2024 17:45 (15 minutes)

We show that the masses of pion and its excited states as well as the pion decay constant, charge radius, electromagnetic form factor and photon-to-pion transition form factor can be simultaneously described by the holographic light-front QCD for the transverse dynamics augmented by the 't Hooft equation governing the longitudinal dynamics. We point out that this formalism satisfy the GMOR constraint.

Alternate track

I read the instructions above

Yes

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