



Contribution ID: 86

Type: **Invited talk**

Light meson structure on BLFQ

Thursday 2 December 2021 09:05 (25 minutes)

We study the light meson with one dynamical gluon on the light-front quantum chromodynamics (QCD) Hamiltonian as well as a three-dimensional confinement. After fitting the light meson mass spectroscopy, the light-front wave function provides a good description of the pion electromagnetic form factor, decay constant, and the valence quark distribution functions following QCD scale evolution.

Primary authors: MONDAL, Chandan; VARY, James (Iowa State University); LAN, Jiangshan (Institute of Modern Physics, CAS); FU, Kay (IMP CAS); ZHAO, Xingbo

Presenter: LAN, Jiangshan (Institute of Modern Physics, CAS)

Session Classification: McCartor Session