Excited QCD 2015



Contribution ID: 20 Type: not specified

Effects of scalar mesons in a skyrmion model with the hidden local symmetry

Friday, 13 March 2015 18:30 (25 minutes)

We construct a skyrmion model including a two-quark and a four-quark scalar mesons as well as the pion, rho and omega mesons within a framework of the hidden local symmetry.

We investigate the effects of scalar mesons in the model, we show that the scalar mesons reduce the skyrmion mass.

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Session Classification: Friday Afternoon