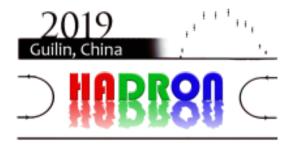
XVIII International Conference on Hadron Spectroscopy and Structure (HADRON2019)



Contribution ID: 168 Type: Parallel

Is the Y(2175) a Strangeonium Hybrid Meson?

Tuesday, 20 August 2019 09:55 (20 minutes)

QCD Gaussian sum-rules are used to explore the vector ($J^{PC}=1^{--}$) strangeonium hybrid interpretation of the Y(2175). Using a two-resonance model consisting of the Y(2175) and an additional resonance, we find that the relative resonance strength

of the Y(2175) in the Gaussian sum-rules is less than $5\$ that of a heavier 2.9 GeV state. This small relative strength presents a challenge to a dominantly-hybrid interpretation of the Y(2175).

Primary author: CHEN, Wei (Sun Yat-Sen University)

Presenter: CHEN, Wei (Sun Yat-Sen University)

Session Classification: Session 1: Meson spectroscopy

Track Classification: Session 1: Meson spectroscopy