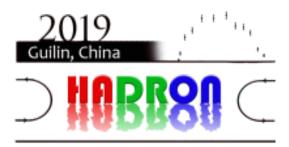
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Is the Y(2175) a Strangeonium Hybrid Meson?

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).

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