

The $Y(4260)$ and $Y(4360)$ enhancements within coupled channels

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Collaboration

Abstract content

Puzzling structures have been observed in the charmonium energy region, namely the $Y(4260)$ and the $Y(4360)$, which decay channels are poorly understood, in spite of their large widths. The proximity of nearby hadronic thresholds suggests that they play an important role in the formation of the enhancements. We present an unitarized effective Lagrangian model, where mesonic loops and the $\psi(4160)$ interplay to generate line-shapes at the same energy region.

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