

Ds0*(2317) and Ds1(2460) as hadronic molecules from the perspective of their productions

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Ds0(2317) and Ds1(2460) have long been conjectured to be DK and DK bound states. In this talk, we show that their productions in B decays can be well explained with the triangle mechanism in the molecular picture. Furthermore, we show for the first time that their prompt production yields in electron-positron collisions can be explained in the coalescence model. The comparison with the statistical model support strongly their nature being hadronic molecules instead of conventional csbar states. The talk is based on the following publications: 2209.01103, 2211.01846.

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