

ARE THE X(4260) AND X(4360) MOLECULAR STATES?

Monday 25 September 2017 17:10 (20 minutes)

We investigate the X(4260) and X(4360) within the framework of the Faddeev Equations under the fixed center approximation. We find a state of $I=1$ with masses around 4320 MeV and width about 25 MeV for the case of $\rho - X(3700)$ and 4256 MeV for the case of $\bar{D}D_1(2420)$ with similar width to that of the $\rho - X(3700)$. Hence these states could be associated with the X(4260) and X(4360).

Authors: BAYAR, Melahat (Kocaeli University); Mr DURKAYA, Beyza (Kocaeli University)

Presenter: BAYAR, Melahat (Kocaeli University)

Session Classification: Spectroscopy of mesons

Track Classification: Spectroscopy of mesons