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Interpretation of charmonium like states as a dimesonic molecules

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The molecular dimesonic states (meson-antimeson) are being studied in potential model framework in heavy flavor sector. The confined one gluon exchange interaction potential (COGEP), one pion exchange interaction potential(OPEP) is being used between meson-antimeson pairs to calculate their masses and binding energy. We searches various exotic states like X(3872), X(3940), Y(4008), X(4050) etc. as molecular states. The decay width and two photon decay width are also studied for dimesonic states.

On behalf of collaboration:

NONE

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