

Variational Method for X(3872)

Using the variational method, we calculate the mass of heavy tetraquark states in a nonrelativistic potential model with color confinement and spin hyperfine interaction. We investigate the stability of tetraquark states containing a heavy quark and an antiquark. We find that the lowest energy states just corresponds to the sum of the hadronic final states to which the X(3872) can decay.

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