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## **Tetraquark in fractal theory**

We study tetraquark within the framework of fractal theory. According to the self-similarity of the physical laws of the system at different scales, we considered the system from the quark scale and the meson scale respectively, and calculated the probability and entropy of meson under the influence of internal tetraquark interaction. The meson interaction factor  $q$  can be derived by considering the equivalence between the probability and entropy of the single  $\pi$  meson in equilibrium in two kinds of scales. We calculate the interaction potential between the two meson and obtain the mass of tetraquark. We find the mass is consistent with the experimental data.

### **Topics**

Heavy Flavour Physics

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