

## Compositeness Of Quasibound States From Effective Field Theory

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We study the compositeness of near-threshold quasibound states in the framework of effective field theory. From the viewpoint of the low-energy universality, we revisit the model-independent relations between the structure of the bound state and the observables in the weak binding limit. The effective field theory enables us to generalize the weak-binding relation of the stable bound states to unstable quasi-bound states with decay modes. We present the interpretation of the complex values of the compositeness for the unstable states. We further discuss the effect of the CDD pole near the threshold and the relation between the width of the quasibound state and the imaginary part of the compositeness. Combining the model-independent relation and the threshold observables extracted from the experimental data, we show that  $\Lambda(1405)$  is dominated by the  $\bar{K}N$  molecular structure.