Range correction in the weak-binding relation



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Application

Lower bounds of compositeness X_l



Only improved weak-binding relation is applicable to X(3872) and ΩN

Summary and future prospects

- Weak-binding relation : observable compositeness (X)
- Improve the weak-binding relation by redefinition of $R_{\rm typ}$
- Apply to the actual hadrons, hypernuclei and atoms
- Future prospect: extend the improved relation to the unstable states