

Wang, Xue Ping; Wang, Yuefei

Existence of two-cluster threshold resonances and the N -body Efimov effect. (English)

Zbl 1111.81146

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Summary: We prove the existence of two-cluster threshold resonances in N -body problems and study their perturbation by intercluster interactions. As application, we construct concrete examples based on Yukawa potentials for which the N -body Efimov effect happens with $N \geq 4$.

MSC:

81U10 n -body potential quantum scattering theory

81Q10 Selfadjoint operator theory in quantum theory, including spectral analysis

Cited in 2 Documents

Full Text: [DOI](#)

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