

**Tamura, Hideo**

**The Efimov effect of three-body Schrödinger operators.** (English) Zbl 0761.35078  
*J. Funct. Anal.* 95, No. 2, 433-459 (1991).

The author considers three-body Schrödinger operators, with pair potentials decaying at infinity like  $|x|^{-\rho}$  with  $\rho > 2$ .

Assuming that all two-particles subsystems have no negative bound states but a zero resonance energy, it is proved that the whole system has an infinite number of negative bound states energies, accumulating at zero (Efimov effect).

Reviewer: [A.Martinez \(Villetaneuse\)](#)

**MSC:**

**35P25** Scattering theory for PDEs  
**35P20** Asymptotic distributions of eigenvalues in context of PDEs  
**81U10**  $n$ -body potential quantum scattering theory  
**35Q40** PDEs in connection with quantum mechanics

Cited in **1** Review  
Cited in **35** Documents

**Keywords:**

[Efimov effect](#); [negative bound states](#)

**Full Text:** [DOI](#)

**References:**

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