

## Energy Spectrum of a Positronium Negative Ion in a Parabolic Quantum Well

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Abstract: The method of few-body physics is applied to calculating the energy levels of low-lying states of a positronium negative ion in a parabolic quantum well. The results show that the energy levels of a positronium negative ion in two-dimensional case are lower than those in three-dimensional case.

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Key words: ( $e^-e^-e^+$ ) system, energy spectrum

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