

MODIFIED INTERPOLATION MODEL FOR FEW-BODY SYSTEMS

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New modified version of interpolation nuclear model is proposed. Within the scope of this version, the motion equations for pd and ppn systems are derived and the calculations of the corresponding wave functions of these systems and cross-sections of the two and three particle electrodisintegration of three nucleon nuclei are made. The modified model leads to the best (in comparison with previous version of the model) agreement with observable cross-section and with the results of the others (more precise) calculations based on Faddeev's method.

Keywords: interpolation approach, harmonic polynominal method, final-state interaction, electrodisintegration of three nucleon nuiclei.