

An Approach to the Computation of Few/Many-Body Multichannel Reactions

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A method to calculate reactions is outlined. It is advantageous, in particular, in problems with many open channels of various nature i.e. when energy is not low. In the difference with more conventional approaches, the dynamics calculations to be performed are bound– state type calculations. This makes promising applications in the framework of nscm, in particular. Continuum spectrum states never enter the game. In the course of calculations there is no need to consider reaction channels, as well as reaction thresholds. Reaction channels and thresholds come into play only after a dynamics calculation is done and merely at the kinematics level.