

— 第881回九大原子核セミナー —

講師：Henryk Witala 氏 (Jagiellonian University)

演題：Treatment of the 3N continuum reactions within the Faddeev framework

日時：2月8日(火) 16:00～

† 今回は通常と場所が異なりますのでご注意ください。

場所：理学部 物理 第一会議室 (理学部2号館1階2154室)

概要

Basics of the 3N scattering equations will be presented together with implementation of these equations in the Faddeev framework. The treatment of the resulting 3N Faddeev equations in momentum space and in a partial wave decomposition will be presented in some detail. Application to the elastic nucleon-deuteron scattering and deuteron breakup reaction based on modern nucleon-nucleon interactions and three-nucleon forces will be discussed and comparison of theoretical predictions with experimental data shown. The most interesting problems awaiting solution will be singled-out.

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