



量子物理学・ナノサイエンス第 62 回特別セミナー

Lattice QCD study on baryon interactions

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- 場所** : 本館1階 156 物理学系輪講室

概要

Baryon interactions play an essential role to understand nuclear phenomena. The determination of baryon interactions based on the fundamental theory, QCD, is one of the most challenging issue in nuclear physics. In this talk, I review the theoretical formulation, HAL QCD method, to obtain baryon forces from the Nambu-Bethe-Salpeter (NBS) four-point correlators measured on the lattice. By using the method, I will show the results of various types of baryon interactions and discuss the possibility of dibaryon formations.

連絡教員 物理学系 慈道 大介 (内線 2083)