

RCNP, OSAKA UNIVERSITY

NUCLEAR PHYSICS

THEORY SEMINAR

Title Large-Nc operator analysis of meson-baryon
 and baryon-baryon interactions

Speaker Prof. Daris Samart, Rajamagala University of
 Technology Isan, Thailand

Date and Time April 3rd (Tues) in 2018 13:00 pm

Place Lecture room 2 on the 6th floor of RCNP main
 building

Abstract:

In this seminar, I will talk about large-Nc operator analysis of chiral effective Lagrangian for meson-baryon and baryon-baryon interactions. We will briefly start with the construction of the chiral Lagrangian and its baryon matrix elements in non-relativistic expansion. Next, spin-flavor formalisms of $1/N_c$ operator expansion is introduced. The applications of the spin-flavor formalisms in meson-baryon and baryon-baryon will be demonstrated. We will discuss about D-meson-Charmed baryon system in terms of large-Nc operator analysis in the last section of the seminar.

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