東北大学　宇宙創成物理学国際共同大学院プログラム

GP-PU (Graduate Program on Physics for the Universe）Seminar セミナー

“Methodology of nuclear theory and recent study toward understanding the universe”

by Tokuro Fukui

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Time and Date : 16:00 - 18:00, Thu, January 16th 2020

Venue : Room 745, Science Complex B (H-03)

Abstract:

Theoretical studies of nuclear physics mostly rely on constructing models, in which the superposition of quantum states is taken into account to describe systems. In this seminar, some examples of such models are reviewed, in particular the shell model describing nuclear structure and the coupled-channels Born approximation relevant for nuclear reaction. Then, our recent achievements, which are obtained through these models, with the aim of understanding the universe from the point of view of nuclear physics, are given.

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