



東京大学大学院理学系研究科・理学部

物理学教室 談話会

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「Nuclear spin-isospin physics: From
phenomena to fundamentals」

2021年5月18日(火) 17時00分～18時30分

オンライン開催

Spin and isospin are essential degrees of freedom in nuclear systems, and the relevant studies on their properties play important roles not only in nuclear physics but also in nuclear astrophysics and particle physics. In this talk, I will first introduce the studies on nuclear spin-isospin properties in the framework of covariant density functional theory (DFT), on the topics of nuclear charge-exchange resonances, beta decays, isospin-symmetry breaking corrections to nuclear superallowed beta transitions, etc. For developing the next-generation nuclear DFT with more fundamental theories, I will also talk about an ongoing work about functional renormalization group and Kohn-Sham scheme in DFT.

談話会はオンライン開催になります

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