

# Spin Physics in Nuclear Interaction

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One of the goals of nuclear physics is to understand the structure of nuclei and the dynamics of nuclear reactions in terms of the underlying interactions between nucleons. Owing to the rapid increase of computer power as well as the accumulation of high-precision experimental data on various observables, the modification of fundamental interactions in many-body environments is being unveiled. Also the construction of effective interaction accounting for various nuclear properties is extensively studied. In this talk, three topics will be discussed by comparing experimental data with sophisticated calculations; few nucleon systems, spin and isospin response and tensor correlations in nuclei.