

Fundamental physics studies in few-nucleon systems: the FBS project

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The study of parity-violation (PV) and time-reversal violation (TRV) in nuclear processes may give important information on the weak and CP-violating interactions present in the Standard Model (SM), and also to be sensitive to beyond-SM Physics. In this contribution, we discuss the results of numerical studies of various few-nucleon PV and TRV observables, obtained using the facilities made available by the INFN HPC_HTC project. These studies are used to analyze the results of past and on going experiments, with the aim of extracting the values of fundamental PV and TRV coupling constants.

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