



W poniedziałek 7 stycznia 2019 roku, o godzinie 10:30 w Auli IFJ PAN odbędzie się  
seminarium Oddziału NO<sub>2</sub>:

## "Theoretical uncertainties in nucleon-deuteron scattering studies"

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**ABSTRACT:** I will introduce new chiral nucleon-nucleon and three-nucleon interactions developed (partly) within the Low Energy Nuclear Physics International Collaboration (LENPIC). I then show results with these interactions for nucleon-deuteron scattering at energies up to 200 MeV. Considerable effort is devoted to assessing the various kinds of theoretical uncertainties, present in the chiral effective field theory and beyond. Residual differences between theory and experiment provide insights into areas for possible improvements.