Workshop for young scientists with research interests focused on physics at FAIR



Contribution ID: 12 Type: not specified

Statistical uncertainties on the NN interaction and light nuclei

Monday, 15 February 2016 08:30 (45 minutes)

We review recent developments on the analysis of the Nucleon-Nucleon interaction with the corresponding propagation of statistical uncertainties originating from NN scattering experimental data. We also ponder on the consequences of this uncertainties on the predictive power of low energy chiral interactions and the required target numerical accuracy of nuclear structure calculations of light nuclei.

Primary author: Dr NAVARRO PEREZ, Rodrigo (Lawrence Livermore National Laboratory)

Co-authors: Dr RUIZ ARRIOLA, Enrique (University of Granada); Dr AMARO, Jose Enrique (University of

Granada)

Presenter: Dr NAVARRO PEREZ, Rodrigo (Lawrence Livermore National Laboratory)

Session Classification: Talks