WORKSHOP



Trento, June 17-21, 2024

Towards a consistent approach for nuclear structure and reactions: microscopic optical

potentials

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Direct nuclear reactions, processes such as nucleon transfer, knockout, anti-nucleon capture have been extensively exploited by experiments to learn about the structure of exotic isotopes far away from stability, to infer properties of the nuclear forces, to describe nucleosynthesis and to learn about the nuclear equation of state. In this respect, nucleonnucleus optical potentials are of great importance since they are the fundamental building blocks needed to predict reaction observables to address such a wide ran Physics facets. Traditional phenomenologica

reliable only in specific r nuclear chart, near the stat to. On the contrary, micro isotopes far from workshop will a

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