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Keynote talk 2: Exciting developments in Reaction Theory

Monday 27 June 2022 10:00 (40 minutes)

Reaction theory is an essential component for the science with exotic beams. A variety of reactions probes allow us to explore nuclear properties in regions far away from stability and extract information important for astrophysics. However, the interpretation of these results rely heavily on accurate reaction models to describe the reaction processes. In this overview talk, we will summarize the standard reaction theory methods used in the field, highlighting some recent developments. We will also discuss recent studies to extract the effective interactions that are the ingredients of reaction models, as well as their uncertainties, and close listing some of the challenges that need to be tackled in the future.

Topic

Presenter: Prof. NUNES, Filomena (NSCL,MSU)

Session Classification: Opening Speakers