Gogny Conference - Nuclear structure and reactions



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Quantifying uncertainties in nuclear reactions

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Nuclear reactions are one of the most diverse probes to study nuclear properties. They are also used to extract astrophysically relevant information. However, the reaction theory needed for the interpretation of the measurements contains significant uncertainties. I will review the recent efforts on performing Bayesian analyses of reaction models and the efforts to quantify the uncertainties coming from the optical potential.

Presenter: Prof. NUNES, Filomena (Michigan State University) **Session Classification:** Nuclear reactions