



Contribution ID: 93

Type: **not specified**

Quantifying uncertainties in nuclear reactions

Wednesday, December 11, 2024 10:15 AM (25 minutes)

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.

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Session Classification: Nuclear reactions