Contribution ID: **90** Type: **not specified**

Angular momentum distributions in fission fragments from microscopic theory

Friday, December 13, 2024 12:40 PM (25 minutes)

In recent years, the study of angular momentum in fission fragments has undergone a renaissance. Both theoretical and experimental advancements have reignited the long-standing debate on several unresolved questions, including the generation mechanism of angular momentum in fragments, its mass dependence, and correlations between fragments. One open question is how to use microscopic theory to predict angular momentum distributions across the full range of fragment charges and masses. In this talk, we will present preliminary results obtained by combining symmetry restoration techniques with the time-dependent generator coordinate method.

Presenter: Dr MAREVIĆ, Petar (University of Zagreb)

Session Classification: Nuclear fission