

## microscopic study of fission dynamics

*Thursday, 22 August 2019 16:40 (15 minutes)*

nuclear fission is a large amplitude collective motion. It is particularly important in the areas of energy production and nuclear waste disposal. Microscopic study of fission phenomenon is a truly predictive theory. We use the TDHF method to study the fission process after the fission barrier. we compare the fission process and fission fragment distribution at different initial deformation point( $\beta_2, \beta_3$ ). Also, we have studied the pairing effect influence in the fission process.

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**Session Classification:** Young Scientist Session 1