

Binary fragmentation dynamics of few heavy systems

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Mass distribution studies play an important role in understanding the fusion–fission mechanism involved in the heavy-ion induced nuclear reaction. It is well established that quasi-fission plays an important role in the decay process of heavy and super-heavy systems. In my talk I shall present fission mass distribution studies $48\text{Ti}+208\text{Pb}$ and $48\text{Ti}+232\text{Th}$ systems. Results of width of mass distribution, correlation between the mass and TKE along with mass-angle distribution of the binary fragments will be presented.

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