

Dynamics of Quantum Droplet

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In recent years we have observed considerable excitement in understanding the quantum droplets as it happens to be a truly manybody state. The emergence of this exotic phase is associated with the competition between beyond mean-field and mean-field interactions. In this talk, we will like to review the current status of droplet research from theoretical perspective and plan to elaborate on the dynamics of soliton and droplet in a disordered environment. We demonstrate the interesting signature of trapping of solitonic/droplet mode apart from the expected consequence of reflection and transmission.
