



Contribution ID: 233

Type: **not specified**

Investigation of nuclear cluster phenomenology with the relativistic EDF approach

Monday, 3 September 2018 14:30 (25 minutes)

Relativistic energy density functional approaches are able to describe on a common ground quantum liquid and

cluster states in nuclei. We will first show how the experimental observables related to clusterisation are described with this approach.

The study of the localisation of the nucleonic wave-functions in nuclei will also be undertaken in order to provide a deep understanding of the formation of alpha-like clusters over the nuclear chart.

Primary author: KHAN, E.

Presenter: KHAN, E.

Session Classification: Nuclear Structure and Dynamics (SALONE BOLOGNINI)