

Monday 11 July

15:00

Density functional and beyond-mean-field approaches to QPTs in nuclei

Session | Location: IUC, Don Frana Bulića 4, Dubrovnik | Conveners: Dario Vretenar, Tamara Niksic

15:00-15:30

Quantum phase transitions in microscopic nuclear structure calculations

Speaker

Tomás Raúl Rodríguez Frutos

15:30-15:55

Beyond-mean-field approaches for nuclear neutrinoless double beta decay

Speaker

Peter Ring

15:55-16:20 Nuclear charge radius predictions from DFT-based models

Speaker

Markus Kortelainen

16:20-16:45

Shape transitions triggered by the extremes of charge, isospin and angular momentum

Speaker

Anatoli Afanasjev

16:45

Density functional and beyond-mean-field approaches to QPTs in nuclei

Session | Location: IUC, Don Frana Bulića 4, Dubrovnik | Conveners: Dario Vretenar, Tamara Nikšić

17:15-17:35 Coexistence of nuclear shapes: mean-field and beyond

Speaker

Tamara Nikšić

17:35-17:55 Shape coexistence with Gogny EDF: recent results

Speaker

Tomás R. Rodríguez

17:55-18:15 Shape coexistence and mixing within the Bohr model

Speaker

Petrica Buganu

18:15-18:35

Shape transitions and low level structure in the Hg region within the relativistic density functional theory

Speaker

Konstantinos Karakatsanis

18:35-18:55

Microscopic description of octupole deformations and collective excitations in even - even Xe and Ba isotopes

Speaker
Luka Lotina