



ECT*



EUROPEAN CENTRE FOR THEORETICAL STUDIES IN NUCLEAR PHYSICS AND RELATED AREAS

TRENTO, ITALY

Institutional Member of the European Expert Committee NUPECC



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Castello di Trento ("Trint"), watercolor 19.8 x 27.7, painted by A. Dürer on his way back from Venice (1495). British Museum, London

Light clusters in nuclei and nuclear matter: Nuclear structure and decay, heavy ion collisions, and astrophysics

Trento, September 02-06, 2019

Main Topics

- Cluster models, structure of light nuclei, cluster quantum phase transition
- Reaction theory, α decay of heavy and superheavy nuclei
- Clustering in nuclear matter and consequences for thermodynamic properties
- Heavy-ion collisions and clustering in nonequilibrium systems, transport codes
- Astrophysical consequences of clustering

Confirmed Speakers

M. Barbui (*TAMU*), J. Cseh (*INR Debrecen*), D.-S. Delion (*NIPNE Bucharest*), B. Doenigus (*U Frankfurt*),
T. Fischer (*U Wroclaw*), Y. Funaki (*Kanto Gakuin University*), F. Iachello (*Yale*), M. Ito (*Kansai University*), M. Itoh (*Tohoku University*),
Y. Kanada-En'yo (*Kyoto University*), K. Kato (*U Sapporo*), T. Kawabata (*Osaka University*), T. Kokalova (*U Birmingham*), M. Lyu (*Osaka University*),
M. Mirea (*IFIN-HH*), S. Mrowczynski (*NCBJ Warsaw*), J. Natowicz (*TAMU*), T. Neff (*GSI Darmstadt*), H. Pais (*U Coimbra*), C. Providencia (*U Coimbra*),
Z. Ren (*Tongji Shanghai*), S. Shlomo (*TAMU*), M. Szala (*Goethe University Frankfurt*), A. Tohsaki (*RCNP Osaka*), S. Typel (*TU Darmstadt*), D. Vretenar
(*University of Zagreb*), H. Wolter (*LMU Munich*), C. Xu (*Nanjing University*), T. Yamada (*Kanto Gakuin University*), P. Zarubin (*JINR Dubna*),
B. Zhou (*Hokkaido University*)

Organizers

Gerd Roepke (*Universität Rostock*), Peter Schuck (*Université Paris-Sud - IN2P3/CNRS - Orsay*), David Blaschke (*University of Wroclaw and JINR Dubna*),
Masaaki Kimura (*Hokkaido University, Sapporo*), Hisashi Horiuchi (*RCNP - Osaka University*)

Director of the ECT*: Professor Jochen Wambach (ECT*)

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