



ECT*



EUROPEAN CENTRE FOR THEORETICAL STUDIES IN NUCLEAR PHYSICS AND RELATED AREAS

TRENTO, ITALY

Institutional Member of the European Expert Committee NUPECC



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

Probing exotic structure of short-lived nuclei by electron scattering

Trento, July 16-20, 2018

Main topics

Structure studies of exotic nuclei by electron scattering
Elastic electron scattering and charge density beyond stable nuclei
Transition density by inelastic electron scattering
Single-nucleon momentum density by quasi-elastic electron scattering
Charge and matter radii
Halo and skin
Proton bubble structure
Pigmy resonances and other excitations
Related theoretical advances

Keynote speakers

Andrei Andreyev (*York*), Thomas Aumann (*TUD*), Carlos Bertulani (*Texas A & M*), Anna Corsi (*CEA Saclay*),
Willem Dickhoff (*Washington*), Tiekuang Dong (*Purple Mountain Observatory*), Thomas Duguet (*CEA-DPhN*),
Sydney Gales (*IPN Orsay*), Ronald Fernando Garcia Ruiz (*CERN*), Carlotta Giusti (*Pavia*), Leonid Grigorenko (*JINR*),
Jason Holt (*TRIUMF*), Masaaki Kimura (*Hokkaido*), Amiram Leviatan (*Hebrew*), Hitoshi Nakada (*Chiba*), Takashi
Nakatsukasa (*Tsukuba*), Thomas Neff (*TUD*), Francesco Raimondi (*Surrey*), Zhongzhou Ren (*Tongji*), Xavier Roca Maza (*Milan*),
Jan Ryckebush (*Ghent*), Petr Shatunov (*BNP*), Daria Sokan (*Glasgow*), Kyo Tsukada (*Tohoku*), David Verney (*INP Orsay*),
Masanor Wakasugi (*RIKEN*)

Organizers

Carlo Barbieri (*University of Surrey*), Takaharu Otsuka (*RIKEN - University of Tokyo*)
Haik Simon (*GSI*), Toshimi Suda (*Tohoku University*)

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

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