



# 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, London

## Open Quantum Systems: From atomic nuclei to ultracold atoms and quantum optics

Trento, July 10 - 14, 2017

### Main Topics

Driven open quantum systems, dynamical phase transitions and quantum phase transitions, weakly bound and unbound nuclei, dripline physics, quantum and classical chaos, modern computational approaches and coupling to the continuum, open effective field theory and nonhermitian Hamiltonians.

### Key-note speakers

Reinhard Dörner (*Frankfurt, Germany*), Alexandra Gade (*NSCL, USA*), Mariagiovanna Gianfreda (*Florence, Italy*), Gustav Jansen (*ORNL, USA*), Giovanna Morigi (*Saarbrücken, Germany*), Mélanie Lebenthal (*Cachan, France*), Petr Navratil (*TRIUMF, Canada*), Witek Nazarewicz (*NSCL, USA*), Omri Ovdad (*Technion, Israel*), Daniel Phillips (*Ohio U., USA*), Lucas Platter (*U. of Tennessee, USA*), Marek Płoszajczak (*GANIL, France*), Achim Richter (*TU Darmstadt, Germany*), Wolfgang Schleich (*Ulm, Germany*), Roxanne Springer (*Duke U., USA*), Aurora Tumino (*Catania, Italy*), Bira van Kolck (*Orsay, France*), Antonio Vairo (*Munich, Germany*), Alexander Volya (*Florida State U., USA*), Martin Weitz (*Bonn, Germany*), Nikolaj Zinner (*Aarhus, Denmark*).

### Organisers

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

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