



# ECT\*



## EUROPEAN CENTRE FOR THEORETICAL STUDIES IN NUCLEAR PHYSICS AND RELATED AREAS

TRENTO, ITALY

Institutional Member of the European Expert Committee NUPECC



UNIVERSITY OF  
TORONTO

UNIVERSITY  
of GUELPH



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

## Exploring Nuclear Physics with Ultracold Atoms

Trento, June 18-22, 2018

### Main topics

Population-imbalanced systems  
Two-, three-, and many-species systems  
Lower-dimensional systems  
Optical lattices and neutron-star crusts

### Keynote participants

Y. Alhassid (*Yale*), W. Bakr (*Princeton*), D. Blume (*Oklahoma*), A. Bulgac (*Washington*), J. Carlson (*Los Alamos*),  
M. Horikoshi (*Tokyo*), S. Jochim (*Heidelberg*), D. Lacroix (*IPN Orsay*), H. Moritz (*Hamburg*), N. Navon (*Yale*),  
A. Nicholson (*North Carolina*), A. Recati (*Trento*), C. Sa De Melo (*Georgia Tech*), T. Schaefer (*North Carolina State*),  
J.E. Thomas (*North Carolina State*), M. Urban (*IPN Orsay*)

### Organizers

Alex Gezerlis (*University of Guelph*)  
Tilman Enss (*Ruprecht-Karls-Universitaet Heidelberg*)  
Joseph Thywissen (*University of Toronto*)

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

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