



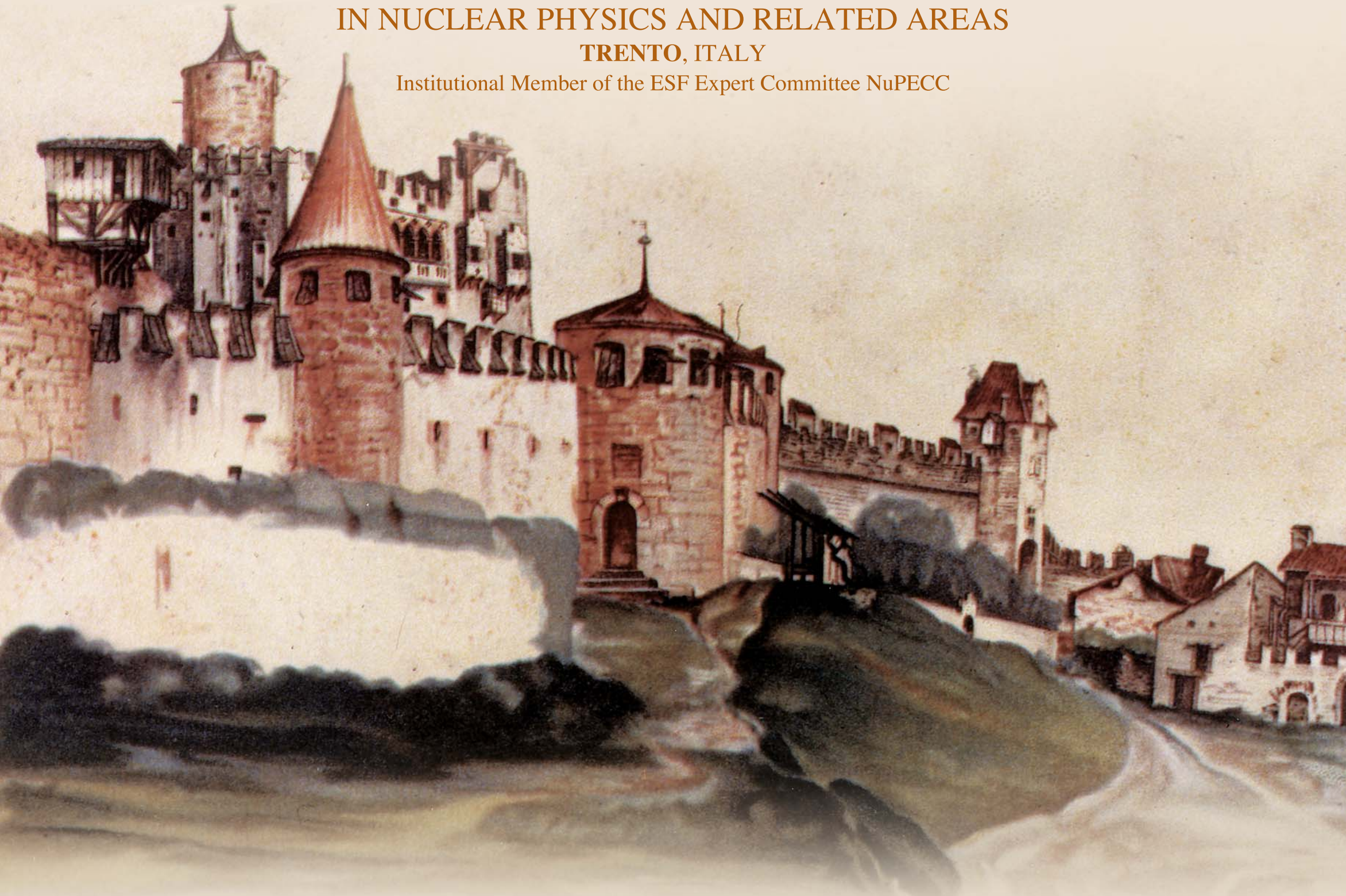
ECT*



EUROPEAN CENTRE FOR THEORETICAL STUDIES IN NUCLEAR PHYSICS AND RELATED AREAS

TRENTO, ITALY

Institutional Member of the ESF Expert Committee NuPECC



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

British Museum, London.

International Workshop on Many-Body Open Quantum Systems: From Atomic Nuclei to Quantum Dots Trento, February 22-26, 2010

Topics

The workshop, the second in its kind, brings together two physics' communities with shared interests, addressing similar universal few/many body phenomena using common concepts and methodologies, such as ab initio approaches to structural self-organization.

A focus of the workshop is exotic structure and response in atomic and nuclear systems under extreme conditions, such as cold atomic systems and nuclei at the limits (driplines) of binding and beyond; entanglement, condensates, universality, Efimov states, halos and few-body resonances and hybrid continuum structures.

Lessons and open questions from 25 years of halo physics, formation and breakup, provide a physics base for discussing status and perspectives for handling the multichannel nature of many-body open quantum systems.

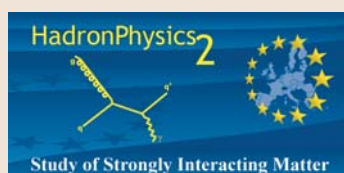
Main Speakers

V. Bagnato (São Carlos), J. Bergou (New York), I. Jex (Praha), R. Kaiser (Nice), P. Navez (Duisburg/Essen), E.M. Rasel (Hannover), M.O. Scully (College Station/Princeton), A. Bonaccorso (Pisa), C. Forssén (Göteborg), G. Hagen (Oak Ridge), H. Lenske (Giessen), N. Orr (GANIL, Caen), M. Płoszajczak (GANIL, Caen), H. Simon (GSI, Darmstadt), M. Zhukov (Göteborg).

Organizers

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Director of the ECT*: Professor Achim Richter (ECT*)



The ECT is administered by the "Fondazione Bruno Kessler" and sponsored by the "Assessorato alla Ricerca" (Provincia Autonoma di Trento), funding agencies of EU Member and Associated States and has the support of the Department of Physics of the University of Trento.*

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