

RENZO LEONARDI

(Veiled by the curtain of ashes
between America and Europe)





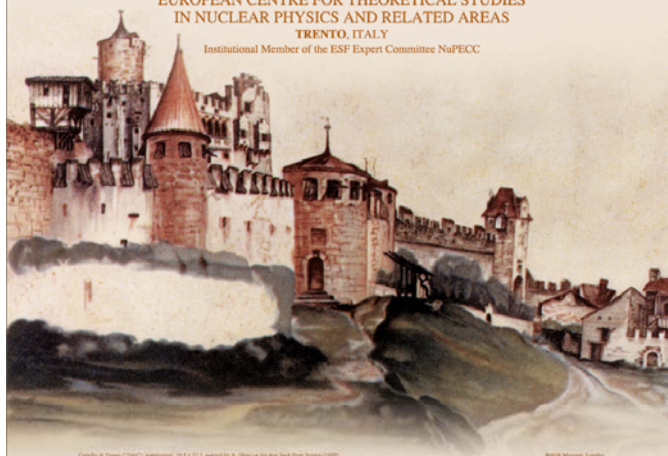


ECT*



EUROPEAN CENTRE FOR THEORETICAL STUDIES
IN NUCLEAR PHYSICS AND RELATED AREAS
TRENTO, ITALY

Institutional Member of the ESF Expert Committee NuPECC



Castle of Trento - Trento's emblem, 1912. Art by G. Basso. See www.trento.it

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 physical communities with shared interests, addressing similar universal few-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 (dis)limits of binding and beyond, entanglement, condensates, universality, Efimov states, halo and few-body resonances and hybrid continuum structures.

Lessons and open questions from 20 years of halo physics, formation and breaking, provide a physics base for discussing issues and perspectives for handling the multichannel nature of many-body open quantum systems.

Main Speakers

V. Bagnato (Ohio Central), J. Berges (New York), L. Hsi (Princeton), K. Kato (Osaka), P. Navrátil (Darmstadt), E.M. Rost (Hannover), M.O. Scully (College Station/Pittsburgh), A. Bonaccorsi (Pisa), C. Pascah (Göteborg), G. Bagnoli (Oak Ridge), H. Landa (Grenoble), N. Orr (SIAME, Cairo), M. Płoszajczak (SIAMEL, Cairo), H. Simon (ORNL, Darmstadt), M. Znojek (Göteborg).

Organizers

J. Vaegen (University of Regensburg), Jan Vaegen@itk.uni.de
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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 "Associazione 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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Trento's Future Proton Therapy Centre



ÅND og HÅND

(Mens et Manus = Mind and Hand)

Motto MIT (Massachusetts Institute of Technology), 10 000 studenter, 1000 stab
Kunde 1861: Et voksende næringsliv, "industrialderen" (Customer: Growing industries)

FORSKNINGSUNIVERSITETET

Et avgjørende element i den Tyske (Humboldtske, 1810)

Modellen for et *forskningsuniversitet* var å **"lære ved å gjøre, ikke bare sitte og høre"**.

Opplæring gjennom interaktive seminar og laboratoriearbeid. Dette har aldri vært gratis; universitetene må settes i stand til å gjøre jobben.

RESEARCH UNIVERSITY

An essential element in the German (Humboldtian) Model for a *research university* was **"to learn by doing"**, through interactive seminars and laboratory work. This has never been cheap; universities have to be equipped for the task.

HVOR STÅR VI I DAG?

1. Er dette avleggs verdier, eller ser vi oss ikke lenger å ha råd?
 2. Bruker samfunn og industri Humboldt-universitet optimalt?
 3. Oppmuntrer/bidrar næringslivet til å opprettholde gode vaner, eller høstes for mye frukt (studenter) før den er moden?
- Er "studentfabrikken" en god erstatning?