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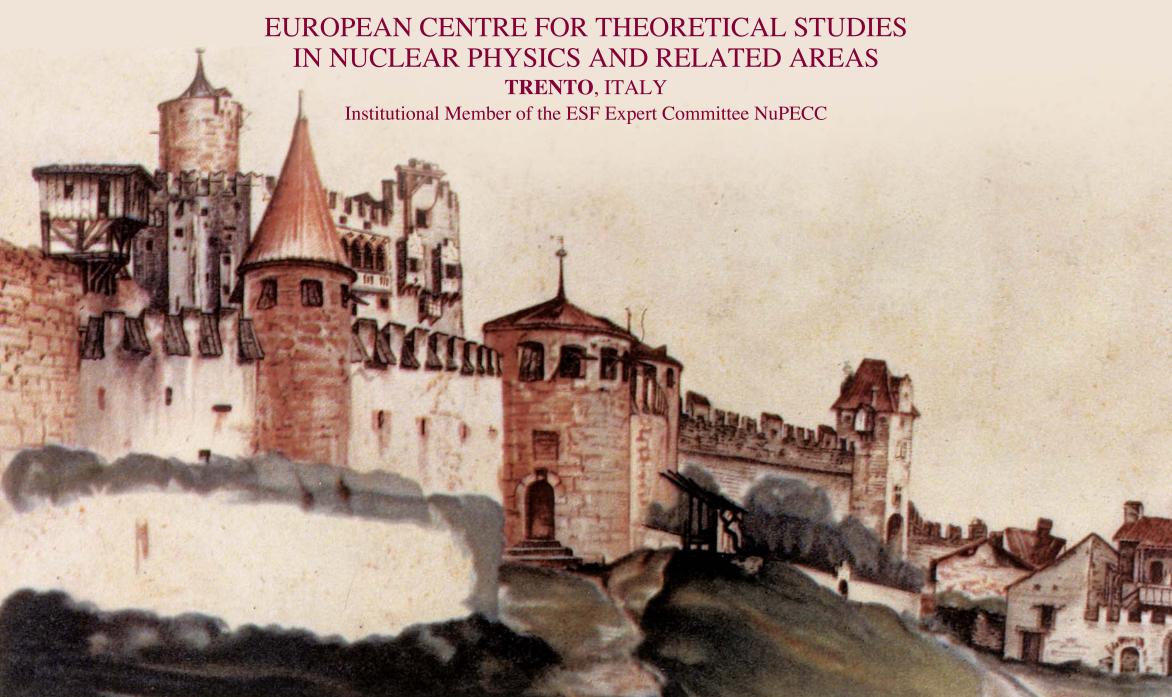
Castello di Trento ("Trint"). watercolour, 19.8 x 27.7, painted by A. Dürer on his way back from Venice (1495)　　　British Museum, London.

Mathematical Aspects of Hadron Physics
Trento, October 8-12, 2012

Main Topics

1. Hopf algebra structure of renormalisation and its relationship to Dyson-Schwinger equations
2. QCD's ß function and its computation within the Hopf algebra representation of renormalisation
3. Constraining truncation schemes for the Dyson-Schwinger equations via practical demands of perturbation theory
4. Predictions for hadron physics based on systematic truncations of Dyson-Schwinger equations

Key speakers include

Jakob Ablinger (*Desy, Berlin*), Adnan Bashir (*Michoacan, Mexico*), Marc Bellon (*LPTHE, France*), Isabella Bierenbaum (*RWTH-Aachen, Germany*),
Kurusch Ebrahimi-Fard (*ICMAT, Spain*), Bruno El-Bennich (*Cruzeiro do Sul, Brazil*), Loic Foissy (*Reims, France*), Thierry Grandou (*INLN, France*),
Stefan Hollands (*Cardiff, UK*), Dominique Manchon (*Clermont-Ferrand, France*), Joachim Kock (*Univ. Autònoma de Barcelona*),
Frederic Patras (*Nice, France*), Michael Pennington (*JLab, USA*), Jose Rodriguez-Quintero (*Huelva, Spain*), Craig Roberts (*Argonne, USA*),
Silvio Sorella (*UERJ, Brazil*), Peter Tandy (*Kent State U, USA*), Jérémie Unterberger (*Nancy, France*), Stefan Weinzierl (*Mainz, Germany*).

Organizers

Craig Roberts (*Argonne National Laboratory*)
Kurusch Ebrahimi-Fard (*Instituto de Ciencias Matematicas*)
Frédéric Patras (*University of Nice*)

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

Study of Strongly Interacting Matter
HadronPhysics