

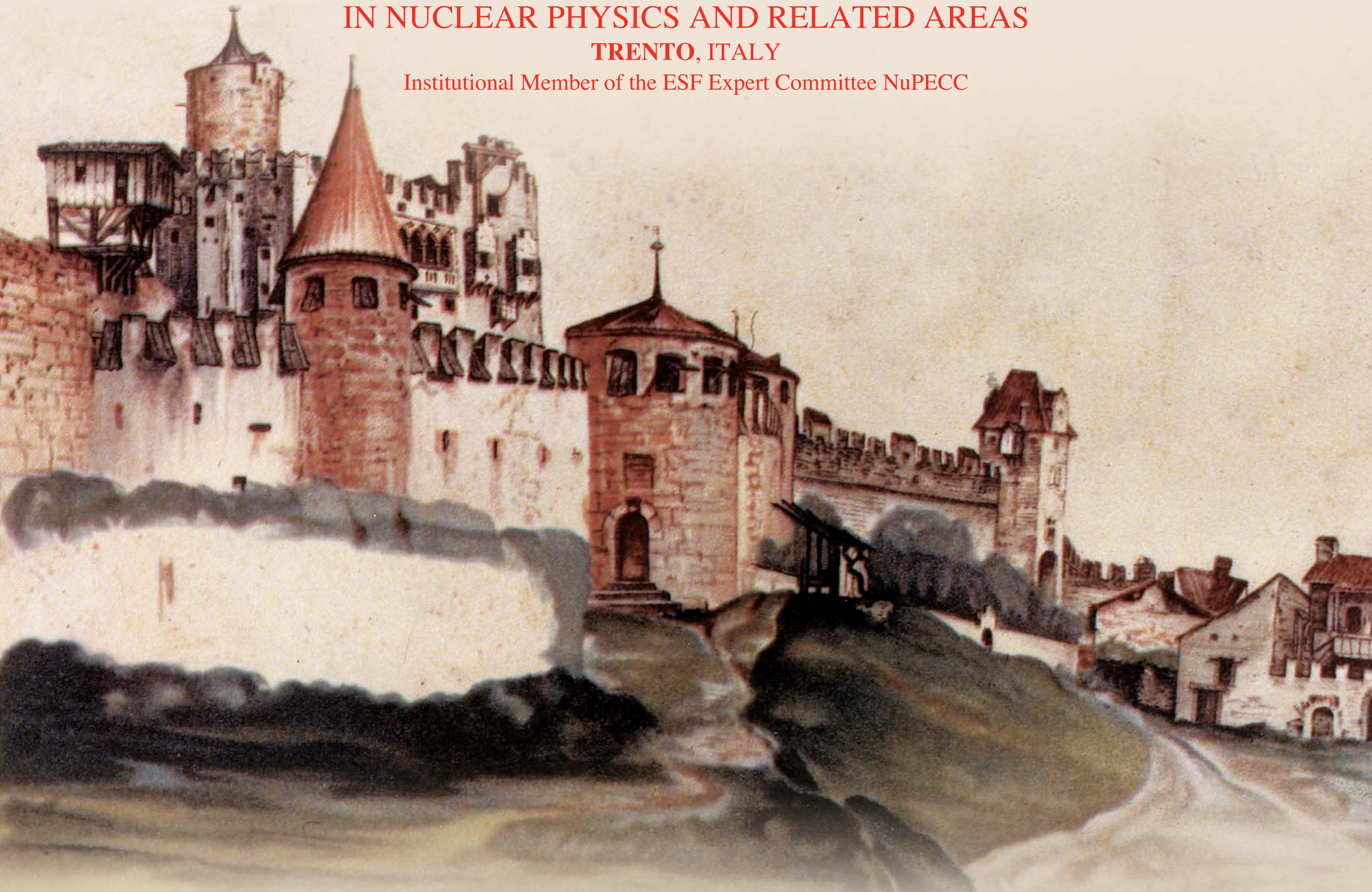


ECT*



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.

Exclusive and diffractive processes at high energy proton-proton and nucleus-nucleus collisions Trento, February 27 – March 2, 2012

Main Topics

Elastic proton-proton, pion-proton and pion-pion scattering; Exclusive production of Higgs, P-wave quarkonia, vector mesons, gluonic jets, Z-boson, $W^+ W^-$ pairs, single mesons and pairs of mesons, glueballs, dileptons; Inclusive single, double and central diffraction; Inclusive diffractive production of jets, gauge bosons, Drell-Yan; Production of jets with large rapidity gaps; Exclusive production of beyond Standard Model particles; Exclusive production of lepton pairs, mesons, meson pairs, quark-antiquark pairs, heavy vector quarkonia in peripheral heavy ion collisions; Odderon exchange; Absorptive corrections for exclusive and diffractive processes; Gamma-gamma processes; Gamma-proton and gamma-nucleus processes; Large angle scattering in elastic and exclusive processes

Key speakers include

Albrow, M. (tbc) (*Fermilab*), Chwastowski, J. (*Inst. Nucl. Phys., Cracow*), Close, F. (tbc) (*Oxford University*), Cudell, J.-R. (tbc) (*University of Liege*), Enberg, R. (tbc) (*Uppsala University*), Figiel, J. (*Inst. Nucl. Phys., Cracow*), Gay-Ducati, M. B. (*UFRRGS, Porto Alegre*), Golec-Biernat, K. (*Inst. Nucl. Phys., Cracow*), Goncalves, V. (*Pelotas University*), Grafstrom, P. (*CERN*), Gustafson, G. (tbc) (*Lund University*), Harland-Lang, L. (*Cavendish Laboratory, Cambridge*), Ingelman, G. (tbc) (*Uppsala University*), Ivanov, D. (*Novosibirsk State University*), Jenkovszky, L. (*BITP, Kiev*), Jung, H. (tbc) (*DESY/CERN*), Kaiser, N. (*TU Munich*), Kochelev, N. (*JINR, Dubna*), Kowalski, H. (*DESY*), Kroll, P. (*Wuppertal University*), Lebedowicz, P. (*Inst. Nucl. Phys., Cracow*), Luszczak, M. (*University Rzeszow*), Maciula, R. (*Inst. Nucl. Phys., Cracow*), Marquet, C. (tbc) (*CERN*), Mayer, C. (*Inst. Nucl. Phys., Cracow*), Mesropian, C. (tbc) (*Rockefeller University*), Nachtmann, O. (*Inst. Theor. Phys, Heidelberg*), Nikolaev, N. N. (*IKP, FZ Juelich*), Orava, R. (*Helsinki Inst. of Physics*), Pasechnik, R. (*Lund University*), Pilkington, A. (tbc) (*IPPP Durham/Manchester University*), Piotrkowski, K. (*UC Louvain*), Royon, C. (*CEA Saclay*), Schafer, W. (*Inst. Nucl. Phys., Cracow*), Schicker, R. (*Phys. Inst., Heidelberg*), Serbo, V. (*Novosibirsk State University*), Staszewski, R. (*Inst. Nucl. Phys., Cracow*), Szczurek, A. (*Inst. Nucl. Phys., Cracow*), Szymanowski, L. (*Soltan Inst. for Nucl. Studies, Warsaw*), Tasevsky, M. (*Phys. Inst., Prague*), Teryaev, O. (*JINR, Dubna*), Trzebinski, M. (*Inst. Nucl. Phys., Cracow*), Zoller, V. (*ITEP, Moscow*)

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