



ECT*



EUROPEAN CENTRE FOR THEORETICAL STUDIES IN NUCLEAR PHYSICS AND RELATED AREAS

TRENTO, ITALY

Institutional Member of the European Expert Committee NuPECC



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

British Museum, London

2019 PROGRAMME OF ACTIVITIES

05-08 February	Eutopia-1: First Meeting of the European Topology Interdisciplinary Initiative (collaboration meeting) <i>Organiser: R. Potestio (University of Trento)</i>	15 Jul-02 Aug	TALENT School: From Quarks and Gluons to Nuclear Forces and Structure <i>Organisers: A. Shindler (MSU), D. Lee (MSU)</i>
11-15 February	Workshop on Precision Measurements of the Strong Coupling Constant <i>Organisers: D. d'Enterria (CERN), S. Kluth (MPP, Munich)</i>	22-26 July	Simulating Gravitation and Cosmology in Condensed Matter and Optical Systems <i>Organisers: I. Carusotto (INO-CNR BEC Center, Trento), M. Rinaldi (University of Trento), R. Balbinot (University of Bologna), R. Sturani (IIP, UFRN, Natal)</i>
08-12 April	Precise Beta-Decay Calculations for Searches of New Physics <i>Organisers: D. Gazit (Hebrew University of Jerusalem), A. Garcia (University of Washington), D. Phillips (Ohio University)</i>	05-09 August	Random Matrix Theory in High-Energy Physics and Beyond <i>Organisers: M. Kieburg (Bielefeld University), K. Splittorff (NBI), T. Wettig (University of Regensburg)</i>
15-19 April	Atomic Nuclei as Laboratories for BSM Physics <i>Organisers: T. Katori (Queen Mary University of London), V. Cirigliano (LANL), S. Gandolfi (LANL), R.F. Garcia Ruiz (CERN), J. Holt (TRIUMF)</i>	02-06 September	Light Clusters in Nuclei and Nuclear Matter: Nuclear Structure and Decay, Heavy-Ion Collisions, and Astrophysics <i>Organisers: G. Roepke (University of Rostock), P. Schuck (IPN, Université Paris-Sud), H. Horiuchi (RCNP, Osaka University), D. Blaschke (University of Wrocław)</i>
7-10 May	Continuum Functional Methods for QCD at New Generation Facilities (collaboration meeting) <i>Organisers: D. Binosi (ECT*), L. Chang (Nankai University), J. Papavassiliou (University of Valencia and CSIC), C. Roberts (ANL)</i>	09-13 September	LFC19: Strong Dynamics for BSM Physics at the LHC and Future Colliders <i>Organisers: G. Corcella (LNF-INFN), S. De Curtis (INFN Firenze), S. Moretti (University of Southampton), G. Pancheri (LNF-INFN), R. Tenchini (INFN Pisa), M. Vos (IFIC, CSIC & University of Valencia)</i>
13-17 May	SN Neutrinos at the Crossroads: Astrophysics, Oscillations, and Detection <i>Organisers: A. Mirizzi (Bari University & INFN Bari), B. Dasgupta (Tata Institute for Fundamental Research)</i>	23-27 September	Diquark Correlations in Hadron Physics: Origin, Impact and Evidence <i>Organisers: J. Segovia (IFAE & University of Barcelona), C. D. Roberts (ANL), E. Santopinto (INFN Genova), B. Wojtsekhowski (JLab)</i>
20-24 May	Challenges to Transport Theory for Heavy-Ion Collisions <i>Organisers: M. Colonna (INFN-LNS), H. Wolter (University of Munich), P. Danielewicz (NSCL, MSU), A. Ono (Tohoku University), J. Xu (SINAP, CAS)</i>	31 Sept – 04 Oct.	Open Quantum Systems: From Atomic Nuclei to Ultracold Atoms and Quantum Optics <i>Organisers: P. Navratil (TRIUMF), M. Efremov (University of Ulm), A. Gade (MSU), M. Gattobigio (INPHYNI), H.-W. Hammer (TU Darmstadt)</i>
27-31 May	Neutrino and Nuclei, Challenges and Opportunities for Nuclear Theory <i>Organisers: N. Rocco (University of Surrey), S. Pastore (LANL), A. Lovato (INFN-TIFPA), J. Nieves (IFIC, CSIC & University of Valencia)</i>	07-11 October	Universal Physics in Many-Body Quantum Systems – From Atoms to Quarks <i>Organisers: M. Oka (JAEA), H.-W. Hammer (TU Darmstadt), A. Hosaka (RCNP, Osaka University), E. Hiyama (Kyushu/RIKEN), P. Gubler (JAEA), S. Koenig (TU Darmstadt)</i>
03-07 June	Testing and Improving Models of Neutrino-Nucleus Interactions in Generators <i>Organisers: F. Sanchez-Nieto (University of Geneva), M. Barbaro (University of Torino), N. Jachowicz (Ghent University), C. Wilkinson (University of Bern), K. McFarland (University of Rochester), G. Perdue (FNAL)</i>	14-18 October	The First Compact-Star-Merger Event – Implications for Nuclear and Particle Physics <i>Organisers: D. Blaschke (University of Wrocław), M. Colpi (University of Milano Bicocca), T. Fischer (University of Wrocław), D. Radice (Princeton University)</i>
10-14 June	High-Energy Physics at Ultra-Cold Temperatures <i>Organisers: A. Bermudez Carballo (Universidad Complutense de Madrid), G. Aarts (Swansea University), M. Lewenstein (ICFO)</i>	21-25 October	STRANEX: Recent Progress and Perspectives in Strange Exotic Atoms Studies and Related Topics <i>Organisers: C. Curceanu (LNF-INFN), A. Ramos (University of Barcelona), J. Mares (NPI, Rez/Prague), S. Okada (RIKEN), J. Zmeskal (SMI)</i>
24 Jun - 12 Jul	Doctoral Training Programme: ECT* Summer School on Effective Field Theory Techniques <i>Organisers: M. Savage (INT & University of Washington), R.P. Springer (Duke University)</i>	11-15 November	Flavour Lattice Averaging Group (FLAG) Collaboration Meeting <i>Organisers: U. Wenger (University of Bern), G. Colangelo (University of Bern), A. Jüttner (University of Southampton), S. Hashimoto (KEK), S. Sharpe (University of Washington)</i>
17-21 June	Antiproton-Nucleus Interactions and Related Phenomena <i>Organisers: A. Obertelli (TU Darmstadt), J. Carbonell (IPN Orsay), U.-G. Meißner (University of Bonn & FZ Jülich), E. Widmann (SMI)</i>	18-22 November	Advances in Many-Body Theories: From First-Principle Methods to Quantum Computing and Machine Learning <i>Organisers: M. Hjorth-Jensen (MSU & University of Oslo), D. J. Dean (ORNL), T. Papenbrock (University of Tennessee & ORNL), M. Savage (INT & University of Washington), G. Hagen (ORNL), S. Gandolfi (LANL), J. Holt (TRIUMF)</i>
01-05 July	Nuclear and Astrophysics Aspects for the Rapid-Neutron-Capture Process in the Era of Multimessenger Observations <i>Organisers: A. Kankainen (University of Jyväskylä), A.-C. Larsen (University of Oslo), S. Goriely (Université Libre de Bruxelles), O. Sorlin (GANIL), A. Estrade (Central Michigan University)</i>		
15-19 July	Progress and Challenges in Neutrinoless Double-Beta-Decay <i>Organisers: E. Mereghetti (LANL), J. Menendez (University of Tokyo), A. Nicholson (University of North Carolina), S. Pastore (Washington University & LANL), A. Walker-Loud (LBNL)</i>		

The deadline for workshop proposals is June 1st, 2019



Director of the ECT*: Prof. Jochen Wambach (Trento and TU Darmstadt)

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