



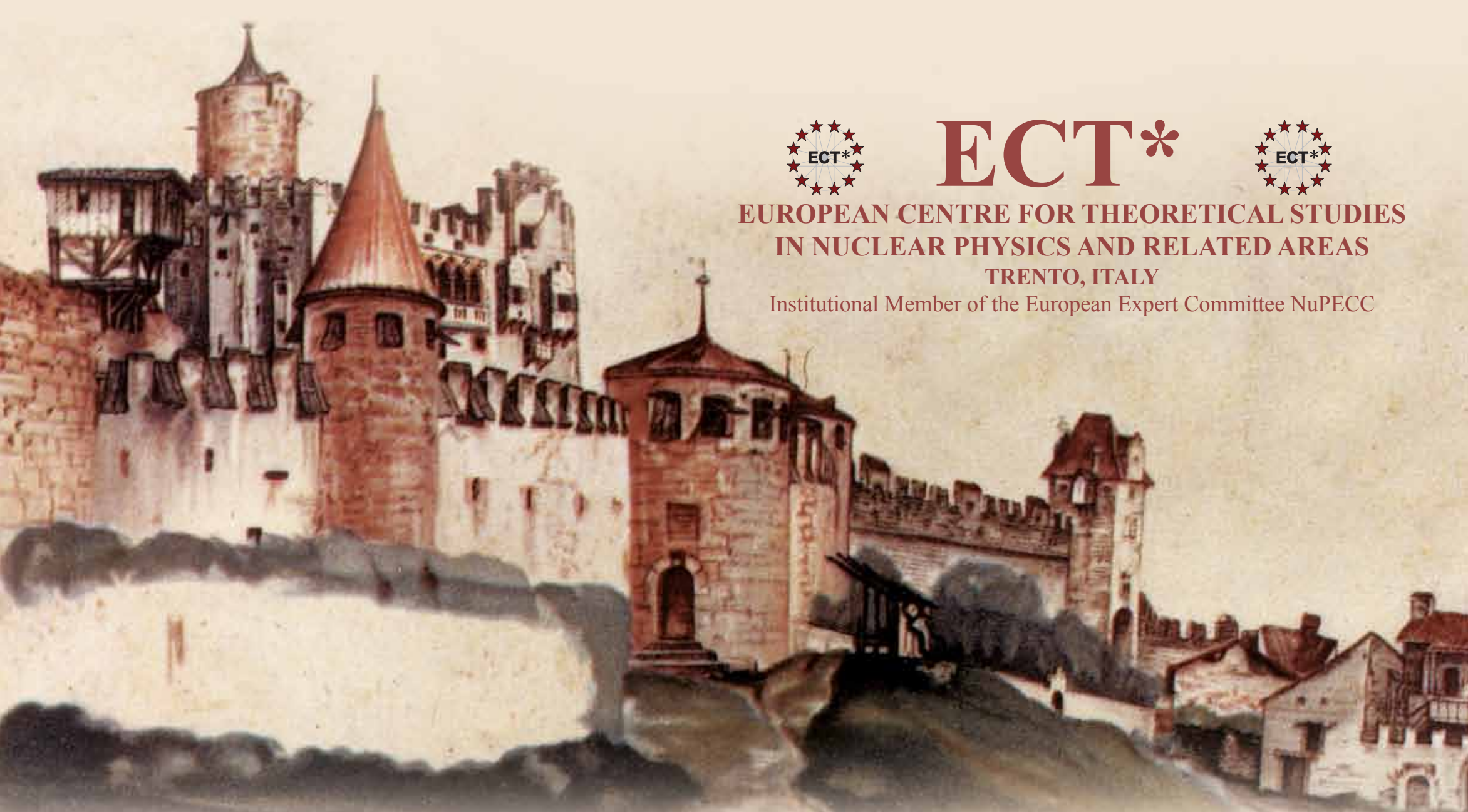
# ECT\*



## 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

## 2018 PROGRAMME OF ACTIVITIES

05-09 March	<b>Recent Advances and Challenges in the Description of Nuclear Reactions at the Limit of Stability</b> Organisers: P. Capel ( <i>Université Libre de Bruxelles</i> ), A. M. Moro ( <i>University of Sevilla</i> ), J. Casal ( <i>ECT*, Trento</i> ), J. A. Lay ( <i>University of Sevilla</i> )	09-13 July	<b>Modeling Neutrino-Nucleus Interactions</b> Organisers: F. Sanchez ( <i>Barcelona Institute of Science and Technology</i> ), U. Mosel ( <i>Giessen University</i> ), M. Barbaro ( <i>Turin University</i> ), N. Jachowicz ( <i>Ghent University</i> ), D. Harris ( <i>FNAL</i> )
26-30 March	<b>Determination of the Absolute Electron (Anti)-Neutrino Mass</b> Organisers: K. Valerius ( <i>KIT, Karlsruhe</i> ), L. Gastaldo ( <i>Heidelberg University</i> )	16-20 July	<b>Probing Exotic Structure of Short-lived Nuclei by Electron Scattering</b> Organisers: T. Suda ( <i>Tohoku University</i> ), H. Simon ( <i>GSF, Darmstadt</i> ), T. Otsuka ( <i>RIKEN, Wako</i> ), C. Barbieri ( <i>University of Surrey</i> )
09-13 April	<b>Spontaneous and Induced Fission of Very Heavy and Super-Heavy Nuclei</b> Organisers: E. Vardaci ( <i>University of Napoli</i> ), N. Carjan ( <i>JINR, Dubna, NIPNE-HH, Bucarest</i> ), Y. Oganessian ( <i>JINR, Dubna</i> )	03-07 September	<b>Quantum Gravity meets Lattice QFT</b> Organisers: A. Schäfer ( <i>Regensburg University</i> ), N. Bodendorfer ( <i>Regensburg University</i> ), K. Giesel ( <i>University of Erlangen</i> ), M. Hanada ( <i>Kyoto University, Livermore, Stanford University</i> ), M. Panero ( <i>Turin University</i> ), Y. Laffe ( <i>Seattle University</i> )
16-20 April	<b>Exposing Novel Quark and Gluon Effects in Nuclei</b> Organisers: I. Cloët ( <i>ANL, Lemont</i> ), R. Duprè ( <i>CNRS-IN2P3, Orsay</i> ), S. Riordan ( <i>ANL, Lemont</i> )	10-14 September	<b>Mapping Parton Distribution Amplitudes and Functions</b> Organisers: C. Mezrag ( <i>INFN Roma</i> ), G. Bali ( <i>University of Regensburg</i> ), C. Keppel ( <i>JLab, Newport News</i> ), C. Roberts ( <i>ANL, Lemont</i> )
23-27 April	<b>Exploring the Role of Electro-Weak Currents in Atomic Nuclei</b> Organisers: S. Gandolfi ( <i>LANL, Los Alamos</i> ), R. F. Garcia Ruiz ( <i>University of Manchester</i> ), G. Hagen ( <i>ORNL, University of Tennessee</i> ), J. Holt ( <i>TRIUMF, Vancouver</i> ), A. Obertelli ( <i>CEA, Paris-Saclay</i> )	17-21 September	<b>Emergent Mass and its Consequences in the Standard Model</b> Organisers: D. Binosi ( <i>ECT*, Trento</i> ), A. Aguilar ( <i>University of Campinas</i> ), J. Papavassiliou ( <i>University of Valencia</i> ), C. Roberts ( <i>ANL, Lemont</i> )
07-11 May	<b>Foundational Aspects of Relativistic Hydrodynamics</b> Organisers: G. Moore ( <i>TU Darmstadt</i> ), M. Heller ( <i>MPI for Gravitational Physics</i> ), U. Heinz ( <i>Ohio State University</i> )	01-05 October	<b>Interdisciplinary Approach to QCD-like Composite Dark Matter</b> Organisers: M. Chala ( <i>University of Valencia, CSIC</i> ), G. Nardini ( <i>University of Bern</i> ), M. Ramsey-Musolf ( <i>University of Massachusetts Amherst, Kellogg Radiation Laboratory, CALTEC</i> ), V. Sanz ( <i>University of Sussex</i> ), D. Schaich ( <i>University of Bern</i> )
21-25 May	<b>Probing QCD at the High Energy Frontier</b> Organisers: G. Beuf ( <i>University of Jyväskylä</i> ), N. Armesto ( <i>University of Santiago de Compostela</i> ), T. Lappi ( <i>University of Jyväskylä</i> ), C. Marquet ( <i>École Polytechnique, Palaiseau</i> )	08-12 October	<b>Discrete Symmetries in Particle, Nuclear and Atomic Physics and implications for our Universe</b> Organisers: P. Moskal ( <i>Jagiellonian University, Krakow</i> ), D. Budker ( <i>University of Mainz, HIM, University of California, Berkeley</i> ), C. Curceanu ( <i>LNF-INFN, Frascati</i> ), D. Kimball ( <i>California State University</i> ), A. Kupsc ( <i>Uppsala University</i> )
28 May - 01 June	<b>Gauge Topology 3: from Lattice to Colliders</b> Organisers: M. D'Elia ( <i>University of Pisa</i> ), E. Shuryak ( <i>Stony Brook University</i> )	22-26 October	<b>Observables of Hadronization and the QCD Phase Diagram in the Cross-over Domain</b> Organisers: R. Stock ( <i>Goethe University Frankfurt, FIAS</i> ), M. Bleicher ( <i>Goethe University Frankfurt, FIAS</i> ), R. Bellwied ( <i>University of Houston</i> ), F. Becattini ( <i>University of Florence, INFN</i> ), J. Steinheimer ( <i>FIAS, Frankfurt</i> )
28 May - 22 June	<b>Doctoral Training Programme: QCD Under Extreme Conditions</b> Organisers: G. Aarts ( <i>Swansea University</i> ), D. Rischke ( <i>Goethe University Frankfurt</i> )	05-09 November	<b>Indirect Methods in Nuclear Astrophysics</b> Organisers: L. Trache ( <i>IFIN-HH Bucharest</i> ), A. Bonaccorso ( <i>INFN Pisa</i> ), C. Bertulani ( <i>Texas A&amp;M University-Commerce</i> ), T. Motobayashi ( <i>RIKEN, Wako</i> ), Z. Fulop ( <i>MTA ATOMKI, Debrecen</i> )
04-08 June	<b>New Ideas in Constraining Nuclear Forces</b> Organisers: J. Lynn ( <i>TU Darmstadt</i> ), I. Tews ( <i>INT, University of Washington</i> ), J. Holt ( <i>TRIUMF, Vancouver</i> ), A. Ekström ( <i>Chalmers University of Technology</i> )	26-30 November	<b>Electromagnetic Radiation from Hot and Dense Hadronic Matter</b> Organisers: G. David ( <i>Stony Brook University</i> ), C. Gale ( <i>McGill University</i> )
18-22 June	<b>Exploring Nuclear Physics with Ultracold Atoms</b> Organisers: A. Gezerlis ( <i>University of Guelph</i> ), T. Enss ( <i>Heidelberg University</i> ), J. Thywissen ( <i>University of Toronto</i> )	19-21 December	<b>The Spectroscopy Program at EIC and Future Accelerators</b> Organisers: A. Pilloni ( <i>JLab, Newport News</i> ), M. Battaglieri ( <i>INFN Genova</i> ), A. Szczepaniak ( <i>Indiana University, JLab, Newport News</i> )
02-06 July	<b>Nucleon Spin Structure at Low Q: A Hyperfine View</b> Organisers: A. Deur ( <i>JLab, Newport News</i> ), A. Antognini ( <i>ETH Zürich; Paul Scherrer Institute</i> ), J. P. Chen ( <i>JLab, Newport News</i> ), V. Pascalutsa ( <i>University of Mainz, PRISMA</i> ), M. Vanderhaeghen ( <i>University of Mainz, PRISMA</i> )		

The deadline for workshop proposals is June 1st, 2018



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

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For the local organization please contact: Ines Campo ([inecampo@ectstar.eu](mailto:inecampo@ectstar.eu)) Tel.: +39-0461 314721,  
Susan Driessen ([driessen@ectstar.eu](mailto:driessen@ectstar.eu)) Tel.: +39-0461 314722 or Christian Fossi ([fossi@ectstar.eu](mailto:fossi@ectstar.eu)) Tel.: +39-0461 314731 - ECT\* Secretariat -  
Villa Tambosi - Strada delle Tabarelle, 286 - 38123 Villazzano (Trento) - Italy. Fax: (+39-0461) 314750 or visit our website <http://www.ectstar.eu>.