

Director: Prof. Jochen Wambach
(Trento and TU Darmstadt)

2020 PROGRAMME OF ACTIVITIES



10-14 FEBRUARY

Determination of the Effective Electron (Anti)-Neutrino Mass

Organisers: L. GASTALDO, (University of Heidelberg), K. VALERIUS (KIT, Karlsruhe)

24-28 FEBRUARY

Heavy-Flavor Transport in QCD Matter

Organisers: R. RAPP (Texas A&M University), R. AVERBECK (GSI, Darmstadt), X. DONG (LBL, Berkeley), P. GOSSIAUX (Subatech, Nantes), X.-N. WANG (CCNU, Wuhan)

23-27 MARCH

Machine Learning for High Energy Physics, on and off the Lattice

Organisers: A. ATHENODOROU (Pisa University), D. GIATAGANAS (National and Kapodistrian University of Athens), B. LUCINI (Swansea University), E. RINALDI (Arithmer Inc., Tokyo), K. CRAMMER (New York University), C. ALEXANDROU (University of Cyprus)

20-24 APRIL

New Physics Searches in Heavy Ion Collisions

Organisers: M. DREWES (UCLouvain), D. D'ENTERRIA (CERN), A. GIAMMANCO (UCLouvain), J. HAJER (UCLouvain)

18-22 MAY

Nuclear Physics Meets Condensed Matter: Symmetry, Topology, and Gauge

Organisers: A. GEZERLIS (University of Guelph), A. ROGGERO (University of Washington), C. SA DE MELO (Georgia Institute of Technology)

25-29 MAY

Neutron Stars as Multi-Messenger Laboratories for Dense Matter

Organisers: I. TEWS (LANL), B. GIACOMAZZO (University of Milano), S. GUILLOT (CNRS, Toulouse), J. MARGUERON (IPN, Lyon), S. NISSANKE (University of Amsterdam)

08-12 JUNE

Relativistic Fermions in Flatland: Theory and Application

Organisers: S. HANDS (Swansea University), H. GIES (Friedrich-Schiller-Universität Jena), J. GRACEY (University of Liverpool), I. HERBUT (Simon Fraser University)

15-19 JUNE

Tomography of Light Nuclei at an EIC

Organisers: A. FREESE (ANL), W. COSYN (Ghent University & Florida International University), I. CLOËT (ANL), P. SHANAHAN (MIT)

22-26 JUNE

Key Reactions in Nuclear Astrophysics

Organisers: A. TUMINO (Università degli Studi di Enna "Kore" & INFN-LNS, Catania), J. JOSÉ (Technical University of Catalonia), C. BERTULANI (Texas A&M University-Commerce), R. DIEHL (MPI Munich), L. TRACHE (IFIN-HH Bucharest-Magurele)

22 JUNE – 10 JULY

TALENT School:

Machine Learning applied to Nuclear Physics, Experiment and Theory

Organisers: M. HJORTH-JENSEN (Michigan State University and University of Oslo), D. BAZIN (Michigan State University), M. KUCHERA (Davidson College), S. LIDDICK (Michigan State University), R. RAMAMUJAN (Davidson College)

30 JUNE – 4 JULY

Diffractive and Electromagnetic Processes at High Energies

Organisers: R. SCHICKER (University of Heidelberg), G. CONTRERAS NUÑO (Czech Technical University), E. KRYSHEN (Kurchatov Institute), A. SZCZUREK (Institute of Nuclear Physics Krakow)

06-10 JULY

Saturation and Diffraction at the LHC and the EIC

Organisers: C. ROYON (Kansas University), A. SABIO VERA (Universidad Autónoma de Madrid), S. SCHLICHTING (University of Bielefeld), A. DESHPANDE (Stony Brook University), G. SOYEZ (IphT Saclay), M. HENTSCHINSKI (Universidad de Las Americas Puebla)

06-31 JULY

Doctoral Training Programme:

High-Energy and Nuclear Physics within Quantum Technologies

Organisers: P. HERNANDEZ (University of Valencia), S. MONTANGER (University of Padova), Y. OMAR (University of Lisbon), E. RICO (UPV/EHU, Ikerbasque)

13-17 JULY

Probing Nuclear Physics with Neutron Star Mergers

Organisers: C. FRYER (LANL & George Washington University), J. LIPPUNER (LANL), M. MUMPOWER (LANL), A. STEINER (University of Tennessee), B. COTE (Konkoly Observatory), R. SURMAN (University of Notre Dame), S. ROSSWOG (Stockholm University)

20-24 JULY

STRANU: Hot Topics in STRANgeness NUclear and Atomic Physics

Organisers: K. PISCICCHIA (Centro Fermi, Roma), C. CURCEANU (LNF-INFN, Frascati), D. GAZDA (Czech Academy of Sciences), E. HYAMA (Kyushu University - RIKEN Nishina Center, Wako), P. MOSKAL (Jagiellonian University, Krakow), F. SAKUMA (RIKEN Nishina Center, Wako)

07-11 SEPTEMBER

Theoretical and Experimental Challenges in Flavour Hadrons, Heavy Quarkonia and Multiquark Physics

Organisers: M. BARABANOV (JINR, Dubna), B. EL-BENNICH (Universidade Cruzeiro do Sul), E. SANTOPINTO (INFN, Genova), E. EPELBAUM (Ruhr-Universität Bochum), A. BASHIR (Universidad Michoacana de San Nicolás de Hidalgo)

28 SEPTEMBER – 02 OCTOBER

Exploring High-MuB Matter With Rare Probes

Organisers: E. SCOMPARIN (INFN, Torino), T. GALATYUK (GSI & TU Darmstadt), M.P. LOMBARDI (INFN, Florence), R. RAPP (Texas A&M University), G. USAI (University of Cagliari & INFN)

05-09 OCTOBER

Spin and Hydrodynamics in Relativistic Nuclear Collisions

Organisers: F. BECATTINI (University of Florence & INFN), W. FLORKOWSKI (Jagiellonian University, Krakow), X.-G. HUANG (Fudan University), D. RISCHKE (Goethe-Universität Frankfurt)

12-16 OCTOBER

LFC20: Strong Interactions from QCD to New Strong Dynamics at LHC and Future Colliders

Organisers: G. CORCELLA (LNF-INFN, Frascati), S. DE CURTIS (INFN, Florence), S. MORETTI (University of Southampton), G. PANCHERI (LNF-INFN, Frascati), R. TENCHINI (INFN, Pisa), M. VOS (IFIC, Valencia)

26-30 OCTOBER

Nuclear and Atomic Transitions as Laboratories for High Precision Tests of Quantum Gravity Inspired Models

Organisers: A. MARCIANO (Fudan University), S. ALEXANDER (Brown University, Providence), E. BARBERIO (Melbourne University), C. CURCEANU (LNF-INFN, Frascati), K. PISCICCHIA (Centro Fermi, Roma), N. YUNES (University of Illinois at Urbana-Champaign)

02-06 NOVEMBER

Advances in Many-Body Theories: From First Principle Methods to Quantum Computing and Machine Learning

Organisers: M. HJORTH-JENSEN (Michigan State University & University of Oslo), D.J. DEAN (ORNL, Oak Ridge), T. PAPENBROCK (University of Tennessee & ORNL, Oak Ridge), M. SAVAGE (INT & University of Washington), G. HAGEN (ORNL, Oak Ridge), S. GANDOLFI (LANL), J. HOLT (TRIUMF, Vancouver)

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