

2023 PROGRAMME OF ACTIVITIES

JANUARY

30.1-2.2 **Structure and topology of RNA in living systems**
L. TUBIANA (University of Trento), S. PASQUALI (University Paris Cité),
A. BOZIC (IJS, Ljubljana) 10-28.7

FEBRUARY

20-24.2 **LaVA Meeting**
C. BONANNO (INFN Firenze), M. P. LOMBARDO (INFN Firenze),
M. PEARDON (Trinity College Dublin) 10-14.7

MARCH

13-17.3 **Holographic Perspectives on Chiral Transport**
K. LANDSTEINER (IFT-UAM/CSIC Madrid), U. GURSOY (University
of Utrecht), M. KAMINSKI (University of Alabama), D. KHARZEEV
(Stony Brook) 17-21.7

20-24.3 **The Gradient Flow in QCD and other Strongly Coupled Field Theories**
C. MONAHAN (William & Mary), R. HARLANDER (University of Aachen), A.
HASENFRATZ (University of Colorado, Boulder), O. WITZEL (Siegen University) 31.7-4.8

MAY

2-5.5 **Quantum Science Generation | QSG**
D. DE BERNARDIS (INO-CNR BEC Center), V. AMITRANO (University
of Trento - INO-CNR), A. BALDAZZI (University of Trento), A. BERTI
(University of Trento - INO-CNR), I. CARUSOTTO (INO-CNR BEC Center),
D. CONTESSI (University of Trento - INO-CNR), A. NARDIN (University
of Trento - INO-CNR), L. PAVESI (University of Trento, Italy) 10-14.7

15-19.5 **Color Glass Condensate at the Electron-Ion Collider***
D. TRIANTAFYLLOPOULOS (ECT*), N. ARMESTO (University of
Santiago de Compostela), E. IANCU (University of Paris-Saclay, I PhT),
T. LAPPI (University of Jyväskylä) 17-21.7

22-26.5 **From First-Principles QCD to Experiments***
M. HUBER (Giessen University), G. EICHMANN (LIP Lisboa), M. P. LOM-
BARDO (INFN Firenze), P. MARIS (Iowa State University), J. M. PALOW-
SKI (Heidelberg University) 31.7-4.8

29.5-1.6 **2nd CMS Heavy Ion Workshop: Bringing Together the LHC Heavy Ion
Community**
G. KRINTIRAS (The University of Kansas), Y.J. LEE (MIT), W. LI (Rice
University), C. LOURENCO (CERN), A. STAHL (CERN) 31.7-4.8

JUNE

5-9.6 **Nuclear and Particle Physics on a Quantum Computer: Where do
we stand now?**
A. BAZAVOV (Michigan State University), Z. DAVOUDI (University of Mary-
land), D. LEE (Michigan State University), A. ROGGERO (University of Trento) 31.7-4.8

12-16.6 **Precision Tests of Fundamental Physics with Light Mesons ***
S. SCHADMAND (GSI Darmstadt), I. JAEGLE (Jefferson Lab),
B. KUBIS (HISKP Bonn), D. LERSCH (FSU Tallahassee) 31.7-4.8

19-23.6 **Quantum Simulation of Gravitational Problems on Condensed
Matter Analog Models**
I. CARUSOTTO (INO-CNR BEC Center), R. BALBINOT (University of Bologna),
G. FERRARI (University of Trento), M. RINALDI (University of Trento) 31.7-4.8

26-30.6 **Machine Learning for Lattice Field Theory and Beyond**
D. HACKETT (MIT), G. AARTS (Swansea University & ECT*), D. BACHTIS
(Swansea University), B. LUCINI (Swansea University), P. SHANAHAN (MIT) 31.7-4.8

JULY

3-7.7 **COLMO: Quantum Collapse Models investigated with Particle, Nuclear,
Atomic and Macro systems**
C. CURCEANU (INFN-LNF), A. BASSI (University and INFN Trieste),
M. DERAKHSHANI (Rutgers University), L. DIOSI (University Budapest),
S. DONADI (INFN Trieste), K. PISCICCHIA (CREF) 31.7-4.8

**Doctoral Training Program: Ab Initio Methods and Emerging Technolo-
gies for Nuclear Structure**

C. BARBIERI (University of Milan), A. ROGGERO (University of Trento)

Tensor Spin Observables **

K. SLIFER (University of New Hampshire), D. HIGINBOTHAM (JLab), D.
KELLER (University of Virginia), E. LONG (University of New Hampshire),
W. COSYN (Florida International University)

Short-Distance Nuclear Structure and PDF *

N. FOMIN (University of Tennessee), J. ARRINGTON (LBNL), W. COSYN
(Florida International University), N. ROCCO (Fermi National Laboratory)

**Quantum Sensing and Fundamental Physics with Levitated
Mechanical Systems**

A. VINANTE (INFN-CNR), D. BUDKER (Johannes Gutenberg University
Mainz), G. HETET (École Normal Supérieure Paris), H. Ulbricht
(University of Southampton)

AUGUST

21-25.8 **ECT*-APCTP Joint Workshop: Exploring Resonance Structure with
Transition GPDs ***
S. DIEHL (Justus Liebig University Giessen), V. BRAUN (University Regen-
sburg), K. JOO (University of Connecticut), Y. OH (Kyungpook National
University), C. VAN HULSE (University of Alcalá, Madrid), C. WEISS (Jlab)

31.8-1.9 **2nd MIMOSA collaboration meeting**
G. LATTANZI (University of Trento), S. TAIOLI (ECT*-FBK), A. VELLA
(University of Rouen)

SEPTEMBER

4-8.9 **Many-Body Quantum Physics with Machine Learning**
A. RIOS HUGUET (Institute of Cosmos Sciences, University of Barcelona),
G. CARLEO (EPFL), E. INACK (PITP), A. LOVATO (ANL & TIFPA)

11-15.9 **MICRA2023: Microphysics in Computational Relativistic Astrophysics***
E. O'CONNOR (Stockholm University), C. FROHLICH (Carolina State
University), A. PEREGO (University of Trento)

18-22.9 **Parton Distribution Functions at a Crossroad ***
M. DING (Helmholtz Centrum Dresden Rosendorf), J. PAPAVALASSIOU
(University of Valencia), C. QUINTANS (LIP, Lisbon), C. ROBERTS (Nanjing
University)

25-29.9 **Strongly Interacting Matter in Extreme Magnetic Fields ***
S. VARESE (UNICAMP), A. AYALA (UNAM), D. BLASCHKE (University of
Wroclaw), G. ENDRODI (University of Bielefeld), R. FARIA (Universidade
Federal de Santa Maria)

OCTOBER

9-13.10 **ROCKSTAR: Towards a Roadmap of the Crucial measurements of Key
observables in Strangeness reactions for neutron sTARs equation of state ****
A. SCORDO (LNF-INFN), D. BOSNAR (University of Zagreb), C. CURCEANU
(LNF-INFN), A. RAMOS (Institut de Ciències del Cosmo, Barcelona),
F. SAKUMA (RIKEN) O. VAZQUEZ-DOCE (LNF-INFN), I. VIDANA (INFN Catania)

23-27.10 **Critical Stability of Few-Body Quantum Systems ***
A. KIEVSKY (INFN Pisa), T. FREDERICO (Instituto Tecnológico de
Aeronautica), O. FYNBO (Aarhus University), J.M. RICHARD (Institut de
Physique des 2 Infinis de Lyon)

NOVEMBER

20-24.11 **ALPACA: modern ALgorithms in machine learning and data analysis:
from medical Physics to research with ACcelerator and in underground
laboratories ****

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