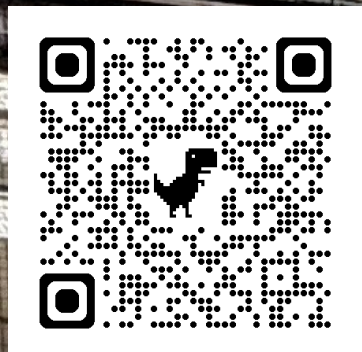




2026 PROGRAM OF ACTIVITIES

FEBRUARY

02-05

The Search for Neutrinoless Double- β Decay: Experimental and Theoretical Challenges
L. Coraggio, S. Pastore, M. Pavan, S. Schönert

MARCH

02-06

Glueballs and Charmonium: Lattice QCD, Experiment and Phenomenology
F. Knechtli, T. Korzec, M. Peardon

09-13

Bridging TMD Frameworks: Intersections, Tensions, and Applications
G.A. Chirilli, A. Lelek, A. Vladimirov, P. Zurita

23-27

The X17 Particle, Status and New Ideas
E. Filandri, L. Doria, C. Gustavino, M. Viviani

MAR/APR

30-03

Non-Perturbative Renormalization in Fundamental and Effective Theories

J. Gegelia, V. Cirigliano, E. Epelbaum, M. Schiffer, P. Shanahan

APRIL

20-24

The Sign Problem of Fermions: Computational Challenges and Emerging Approaches
T. Morresi, M. Casula, G. Garberoglio, S. Taioli, H. Xiong

MAY

04-08

Quantum Science Generation 2026
M.M. Wauters, A. Baldazzi, C. Capecchi, D. Pascual Solis, A. Windey

11-15

Digital Twins for Nuclear and Particle Physics
A. Pilloni, M. Battaglieri, Y. Li

18-22

Nuclear Theory for Astrophysics: Bridging Bound-State and Continuum Physics
P. Arthuis, F. Bonaiti, M. Heinz, G. Hupin, S. Pastore

JUNE

15-19

Hadron Imaging with GPDs: High-Precision Global Analysis and Lattice QCD
M. Constantinou, V. Braun, I. Cloët, R. Dupré, D. Richards

JUNE/JULY

22-03

Doctoral Training Program - Emerging Superconducting Technologies for Quantum Sensing and Computing
A. Giachero, E. Enrico, F. Mantegazzini, N. Roch, G.S. Paraoanu

JULY

06-10

Responses of Strongly Interacting Systems from Femto to Astrophysical Scales
G. King, W. Jiang, A. Roggero, J. Sobczyk

JULY

13-31

Doctoral Training Program - Nuclear Theory for New Physics

V. Cirigliano, H. Hergert, E. Mereghetti, S. Pastore, M. Piarulli, A. Walker-Loud

AUGUST

03-07

From Nuclear Structure to New Physics

M. Gorshteyn, A. Glick-Magid, B. Ohayon, C.-Y. Seng

10-14

Nuclear Physics under the Low-Energy, High-Intensity Frontier

C.-J. Yang, C. Bertulani, D. Maslarova, K. Spohr, P. Tomassini

SEPTEMBER

07-11

Bridging Machine Learning and Statistical Field Theory Through Generative and Diffusion Processes

L. Wang, G. Aarts, A. Athenodorou, M. Cheng

14-18

The Physics and Chemistry of the Heaviest Elements

A. Diaz-Torres, C. Düllmann, S. Heinz, M. Kowal, G. Scamps

21-25

The Interplay of Magnetic Fields, Nuclear Physics, and Nucleosynthesis in Neutron-Star Mergers and Supernovae

P. Mösta, A. Arcones, S. Curtis, E. O'Connor

SEP/OCT

28-02

Relativistic Fermions in Flatland: from Moiré Materials to Gauge Field Theories

S. Hands, H. Gies, J. Gracey, I. Herbut, E. Huffman, L. Janssen

OCTOBER

05-09

Many-Body Quantum Magic

C. Robin, T. Haug, M. Savage, E. Tirrito, X. Turkeshi

12-16

New Frontiers in Exotic Atoms: High-Precision Tests of QCD and QED and Probes of Beyond Standard Model Physics

C. Curceanu, M. Hori, P. Indelicato, A. Scordo, A.W. Thomas

19-23

Theoretical Motivations and Empirical Evidence for Diquark Correlations in Hadrons

Z.-Q. Yao, T. Mineeva, C. Roberts, B. Wojtsekhowski

NOVEMBER

09-13

Quark-Gluon Dynamics in the Nuclear Medium

M. Sargsian, C. Keppel, F. Olness, M. Rinaldi, H. Szumila-Vance

Supporting institutions/projects



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