

XXI Frascati Spring School "Bruno Touschek" in Nuclear, Subnuclear and Astroparticle Physics

8th Young Researchers' Workshop "Physics Challenges in the LHC Era"

Laboratori Nazionali di Frascati, Italy, May 13-17, 2024

Scientific Program:

Theories Beyond the Standard Model
Veronica Sanz (Valencia U.)

BSM physics at high energies: an experimental review
Steven Lowette (Vrije U. Brussels)

Searches for BSM physics at low energy: a theory overview
Martin González-Alonso (Valencia U.)

The g-2 experiment: status and prospects of precision tests
of the Standard Model with muons
Graziano Venanzoni (Liverpool U. & INFN Pisa)

Neutrino theory and phenomenology
Gabriela Barenboim (Valencia U.)

Probing neutrino masses in the laboratory
Christoph Wiesinger (TUM Munich)

Neutrinoless double-beta decay search: experimental aspects
Riccardo Brugnera (Padua U. & INFN Padua)

Modelling nuclear processes in stellar evolution and nucleosynthesis
Alberto Mengoni (CERN & INFN Bologna)

Nuclear astrophysics in plasma environment
Domenico Santonocito (INFN LNS)
Silvia Pisano (E.Fermi Centre & INFN LNF)

Introduction to plasma acceleration
Gemma Costa (INFN LNF)

Spring School Colloquium - May 16th, 18:00
Machine Learning: from mammal's brain to statistical mechanics
Elena Agliari (Sapienza U. Rome)

International Scientific Committee

Tancredi Carli (CERN)
Patrick Decowski (Amsterdam U.)
Elena Ferreiro Gonzalez (Santiago de Compostela U.)
Benjamin Fuks (LPTHE & Sorbonne U. Paris)
Tim Gershon (Warwick U.)
Olga Mena Requejo (Valencia U.)



Local Organizing Committee

Fernando Arias Aragòn (INFN LNF)
Emanuele Bagnaschi (INFN LNF)
Gennaro Corcella (INFN LNF, chair)
Enrico Nardi (INFN LNF & NICPB Tallinn)
Alessandro Paoloni (INFN LNF)
Silvia Pisano (E.Fermi Centre & INFN LNF)
Dibyashree Sengupta (INFN LNF)
Marianna Testa (INFN LNF)

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Secretariat: Maddalena Legramante
<http://www.lnf.infn.it/conference/lnfss/24>



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