
Scientific programme¹

Field Theory and the Standard Model

Luis Alvarez-Gaume (Stony Brook)

Neutrino Physics

Pilar Hernandez (IFIC, Univ. Valencia-CSIC)

Practical Statistics

Eilam Gross (Weizmann Inst.)

Light and Ultra-Light Dark-Matter Physics

Yonit Hochberg (Hebrew Univ.)

Higgs Physics

Fabio Maltoni (Louvain)

Flavour Physics

Yossi Nir (Weizmann Inst.)

Physics Beyond the Standard Model

Riccardo Rattazzi (EPFL)

Cosmology

Geraldine Servant (DESY, Univ. Hamburg)

Outlook for Experimental HEP

Guy Wilkinson (Oxford)

Heavy-Ion Physics

Itzhak Tserruya (Weizmann Inst.)

¹Slides available at <https://indico.cern.ch/event/940219/>.

Organizing committees

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Claude Duhr (CERN)
Nick Ellis (CERN)
Markus Elsing (CERN)
Alexander Huss (CERN)
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Livnat Moses (Weizmann Inst.), Administrator

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Victor Matveev (JINR)
Grigori Trubnikov (JINR)
Valery Rubakov (INR)

List of lecturers

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Geraldine Servant (DESY, Univ. Hamburg)
Itzhak Tserruya (Weizmann Inst.)
Guy Wilkinson (Oxford)

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Gauthier Durieux (CERN)
Marco Gorghetto (Weizmann)
Hyungjin Kim (DESY)
Davide Pagani (INFN Bologna)

Outreach training

Chris Jameson (Company Inside Edge)
Tony Prideaux (Company Inside Edge)

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Anna IVINA	Santosh PARAJULI	

List of listeners

Abhishek BANERJEE	Yuval Yitzhak FRID	Inbar SAVORAY
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List of posters

Poster title	Presenter
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Searching for new phenomena in final states with leptons and jets using the ATLAS detector	R.S.BRENER, N.TAL HOD, A.SANTRA
Testing Lepton Flavor Universality with the First Measurement of $R(K^*)$ in ATLAS	D.C.MANKAD
The NA61/SHINE at the SPS, BM at Nica and CBM at FAIR	N. KARPUSHKIN
Differential ttbb measurement at the CMS experiment	J.VAN DER LINDEN
Tracking with a Graph Neural Network	C.ROUGIER
First simultaneous differential measurement of tZq and ttZ with the CMS detector	F.COLOMBINA
Search for central exclusive production of top quark pairs with the CMS and TOTEM experiments	B.RIBEIRO LOPES
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Measurement of jet p_T correlations in Xe+Xe collisions at $\sqrt{s_{NN}} = 5.44$ TeV with the ATLAS detector	M.KRIVOS
Search for doubly charged Higgs boson production in multi-lepton final states using 135 fb^{-1} of proton-proton collisions at $\sqrt{s} = 13$ TeV with the ATLAS detector	B.LEBAN
Search for invisible particles together with single-top quarks using ATLAS Run 2 data	A.RUBIO JIMENEZ
Search for Rare Electroweak Decay $B \rightarrow K^{(*)} \nu \bar{\nu}$ in New Physics Models at Belle II	C.SCHMITT
Charmless B-Decays at Belle II	M.REIF

Poster title	Presenter
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A search for additional Higgs bosons in $\tau\tau$ final states in proton-proton collisions at $\sqrt{s} = 13$ TeV	M.BURKART
Active volume determination of HPGe detectors and its impact in GERDA and LEGEND experiments	V.BIANCACCI
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Search for the single production of a vector-like quark $Y \rightarrow Wb$ in lepton+jet final states	G.REDDY
Search for heavy diboson resonances in semileptonic final states	E.CHEREPANOVA
Instrumental Asymmetries	M.MANTOVANO
A novel method to measure the relative strong phase between D^0 and $\bar{D}^0$ in $D \rightarrow K_s^0 \pi^+ \pi^-$ and its application to measurements of the CKM angle γ in $B^\pm \rightarrow D^0 \bar{D}^0 K^\pm$ decays	J.LANE, E.GERSABECK, J.RADEMACKER
The perturbation series solution of the time dependent radiative transfer equation	A.VLADIMIR, N.DMITRY
Fissile isotopes antineutrino spectra: Summation method and direct experiment	P.NAUMOV, S.SILAEVA, V.SINEV, A.VLASENKO
Sub-25 ps timing measurements in 10×10 cm ² PICOSEC Micromegas detectors	M.LISOWSKA

Poster title**Presenter**

Development of a PICOSEC Micromegas Detector for ENUBET A.KALLITSOPOULOU

Neutron and beta imaging with optical readout Micromegas
detector A.COOLS ET AL.

Search for Higgs Boson Pair Production in the Multi-lepton S.PARAJULI

Final State using Proton-Proton Collision Data at $\sqrt{s} = 13$ TeV
from the ATLAS Detector