

Monday, March 2

Morning 8:30 - 11:30

Session 1. Cosmology and Astroparticle Physics

The Multi-Messenger HE diffuse emission from the Milky Way in gammas, neutrinos, and cosmic rays

Giulia Pagliaroli

Primordial BH

Yann Gouttenoire

coffee break

Recent Results from Microboone

Erin Yandel

Fermi in the Multi-Messenger Era: Exploring the High-Energy Transient Sky

Silvia Rainò

Light Dark Matter

Tomer Volansky

Status and perspective of DM searches with NaI-based detectors

Marisa Sarsa

Afternoon 16:30-19:00

Session 2. Dark Matter and Neutrino Physics

Status and updates from SuperCDMS SNOLAB

Matthew Stukel

Direct searches of heavy dark matter: status & future prospects

Chiara Capelli

Asymmetric DM induced by baryogenesis

Miguel Escudero Abenza

coffee break

Current Frontiers in the Experimental Axion Landscape

Julia Vogel

Axion physics: theory overview

Pablo Quilez

Young Scientists session - 1

Light Dark Matter Search in XENONnT Experiment

Yongyu Pan

Searching for light dark matter using a multi-target approach with the TESSERACT Experiment Leslie Juigne

Tuesday, March 3

Morning 8:30 - 11:30

Session 2. Dark Matter and Neutrino Physics - continued

Discovering the Nature of Neutrino with KamLAND-ZEN Detector
Recent results and outlook in high energy neutrino astrophysics

coffee break

The first physics results from JUNO
Towards a next-generation $0\nu\beta\beta$ search in 100Mo with CUPID
Status and perspective of HOLMES

Young Scientists session -2

Searching for no neutrinos in germanium detectors with LEGEND
Global Fit of Neutrino Oscillations data

Atsuto Takeuchi
Sarah Mancina

Gaosong Li
Sonja Schneidewind
Federico Mainati

Vogl Christoph
Martina Beccaria

Afternoon 16:30 - 19:30

Session 3. Hadronic Physics

Neutrino Physics with the FASER experiment
Results from heavy ion collisions at ATLAS and CMS
Recent Results from ALICE
New Insights into Hadron Spectroscopy from BESIII

coffee break

Special Session: The Future Strategy of Particle Physics

Physics
Accelerators
discussion

Enrique Kajomovitz
CMS Speaker TBA
Speaker TBA
Stefano Spataro

Fabio Maltoni
Gianluigi Arduini

Wednesday, March 4

Morning 8:30 - 12:00

Session 4. Flavour physics of quarks and leptons

Open questions in flavor physics Marzia Bordone
New measurement of the K^+ to $\pi^+ \nu \bar{\nu}$ decay at NA62 Renato Fiorenza

Young Scientists session - 3

Constraints on lepton-flavor mixing for third-generation new physics Arianna Tinari
Search for $B \rightarrow K \tau^+ \tau^-$ decays at Belle and Belle II Ihor Prudiiiev
Search for massive, long-lived particles in events with displaced vertices and displaced muons Emily Duden

coffee break

Session 4. Flavour physics of quarks and leptons-cont

Observation of rare decay $\eta \rightarrow \mu^+ \mu^- e^+ e^-$ with CMS Bennett Greenberg
Recent results from the NA62 experiment at CERN Lubos Bician
Status & future prospects in Kaon physics at colliders: from LHC to FCC Radoslav Marchevski
CPV in B-decays with LHCb Speaker TBA

Afternoon 16:30 - 19:30

Session 4. Flavour physics of quarks and leptons - cont

Tau and charm physics at Belle and Belle II Sourav Dey
Time-dependent CP violation without signal vertexing at B factories Diego Tonelli
Long-distance effects in B decays Nico Gubernari
coffee break
Rare decays ($b \rightarrow s \ell \ell$, and LFV) with LHCb Speaker TBA
B Physics at Belle and Belle II Giulio Dujany

Young Scientists session - 4

Search for $H \rightarrow c\bar{c}$ at the CMS experiment

Search for H_{cc} and Evidence of H_{bb} in VBF Production with the ATLAS Detector

YSF LHCb 2

Lisa Generoso

Austin Mullins

Thursday, March 5

Morning 8:30 - 11:30

Session 5. QCD, Electroweak and Top Physics

Associated top quark productions by CMS and ATLAS

Results on top quarks by ATLAS and CMS

coffee break

QCD corrections to t - \bar{t} production near threshold: impact on the observability of

Heavy hadron spectroscopy with LHCb

Energy correlators in QCD

Precise measurement of inclusive dijet production with the ATLAS detector

Dominik Babal

Javier del Riego

Luca Rottoli

speaker TBA

Marc Riembau

Stanislav Polacek

Afternoon 16:30 - 19:30

Session 6. QCD, Electroweak and Top Physics - continued

EW and QCD results by CMS and ATLAS

Precision QCD

Young Scientists session - 5

Search for resonant HH production in CMS

Search for $HH \rightarrow ggbb$ in CMS

coffee break

Session 7. Physics and Society

MYRRHA: A journey into one of the most ambitious nuclear projects in Europe

SESAME- Light in the Middle East

Despoina Sampsonidou

Luca Buonocore

Magdi Louka

Michael McGinnis

Lucia Popescu

Gihan Kamel /TBC)

Friday, March 6

Morning 8:30 - 11:30

Session 8. Higgs studies and Search for New Physics

SM Higgs boson properties by CMS and ATLAS

Searches for di-Higgs, BSM Higgs and rare Higgs boson decays by ATLAS and CMS

Recent updates on PDF determinations

coffee break

2-loop SMEFT RGEs

Modern approaches to the Higgs hierarchy problem

Young Scientists session - 6

Calibration of a Transformer-Based Quark/Gluon Tagger in ATLAS

Diboson production in the SMEFT at dimension-8

Unitarity bounds and sum rules in the SMEFT

Afternoon 16:30 - 19:30

Session 8. Searching for New Physics - continued

Searching for a new light boson with PADME

Searches for Dark Matter and other exotic particles by ATLAS and CMS

WIMPs in composite-Higgs models

coffee break

BSM @ low & high energies

Searches for BSM resonances by CMS and ATLAS

Flavour deconstruction

Yi-Lin Yang

Theo Cuisset

Maria Ubiali

Anders Thomsen

Thomas Steingasser

Samuel Jankovych

Giuseppe Ventura

Andrea Sainaghi

Kalina Dimitrova

Bryan Cardwell

Dario Buttazzo

Sophie Renner

Teng Jian Khoo

Mario Fernandez Navarro

Saturday, March 7

Morning 9:00 - 11:00

Session 10. Perspectives

Physics reach for the next two decades

Status and perspective of PTOLEMY

Progress of Super Tau Charm Factory in China

Admir Greljo

Marcello Messina

Haiping Peng