

Session Program

10-11 Jun 2021

CHIPP Plenary 2021

Plenary

Thursday 10 June

10:30

Plenary: Searches for new physics: Flavour physics at the LHC

Session |

Location: For the scientific session of the Thursday morning: <https://doodle.com/poll/sezw3yfv4msg8ax3>, <https://ethz.zoom.us/j/69840392613?pwd=Vk1KVndXbWYyeFY1ZzUzdEZweVJ2UT09> |

Convener: Anna Sfyra

10:30–10:45 Welcome & Introduction

Speaker

Rainer Wallny

10:45–11:05 Recent exciting results from LHCb

Speaker

Nicola Serra

11:05–11:25

Theory outlook and motivation, including a small overview of experiments addressing the relevant questions

Speaker

Gino Isidori

11:25–11:45

Exotic results from ATLAS and CMS, with emphasis on models with sensitivity to LFV, e.g. leptoquarks

Speaker

Steven Schramm

11:45–11:50 Flash talk: LHCb detector upgrade

Speaker

Carina Trippel

11:50–11:55 Flash talk: Theorists recasting LHC results

Speaker

Jakub Šalko

11:55–12:25 Discussion

12:30

17:30

Plenary: Flash talks from Young Scientists

Session | **Location:** Thursday afternoon Doodle: <https://doodle.com/poll/ihhf8mhku7qdmzpy>

17:30–17:35 Introduction

17:35–17:41

Search for neutrinoless double beta decay with GERDA and LEGEND-200

Speaker

Gabriela Rodrigues Araujo

17:41–17:47 Optical TPC for future neutrino experiments

Speaker

Robert Mihai Amarinei

17:47-17:53

Overview of the Preliminary Data Transmission Chain Prototype for the Upgrade of the ATLAS ITk Pixel Detector for HL-LHC**Speaker**

Meghranjana Chatterjee

17:53-17:59

Neural networks for TeV cosmic electrons identification on the DAMPE experiment**Speaker**

David Droz

17:59-18:05

Explore deep space science with Penetrating particle Analyzer (PAN)**Speaker**

Pengwei Xie

18:05-18:10

Break

18:10-18:16

ArDM - A 1t Liquid Argon Dark Matter Detector**Speaker**

Alex Stauffer

18:16-18:22

Development of a novel cryogenic Muonium beam**Speaker**

Jesse Zhang

18:22-18:28

EFT description of the g-2**Speaker**

Jason Aebischer

18:28-18:34

Making Sense of Ambiguities in Renormalization Group Functions**Speaker**

Anders Eller Thomsen

18:34-18:40

Stability of the Higgs Sector in a Flavor-Inspired Multi-Scale Model**Speaker**

Lukas Allwicher

18:45

20:00

21:00

Plenary: Poster session**Session** | **Location:** 301/309

Friday 11 June

09:00

Plenary: Formal meeting: <https://indico.cern.ch/event/1043538/>

Session |

Location: Friday morning Doodle: <https://doodle.com/poll/9xagpc6g8hky294e>, <https://indico.cern.ch/event/1043538/>

Convener: Rainer Wallny

10:20

10:40

Plenary: Overview of some recent exciting activities with CHIPP contributions

Session | **Location:** Friday morning Doodle: <https://doodle.com/poll/9xagpc6g8hky294e> | **Convener:** Gino Isidori

10:40–10:55

Direct dark matter detection: Recent results from XENON

Speaker

Christian Wittweg

11:00–11:15

Recent results on CP violation from T2K

Speaker

Prof. Federico Sanchez

11:20–11:35

Dark sector physics - results from NA64

Speaker

Paolo Crivelli

11:40–11:55

FASER / FASER ν / SND

Speaker

Dr Akitaka Ariga

12:00–12:15

Theoretical calculations of g-2 and recent experimental results

Speaker

Gilberto Colangelo

12:30