

Session Program

21-25 Oct 2024

Extended Scalar Sectors From All Angles

Invited Plenaries

CERN, 503/1-001 - Council Chamber

Monday 21 October

09:15

10:45

Invited Plenaries

Session | **Location:** CERN, 503/1-001 - Council Chamber | **Convener:** Tao Han

09:15–10:00 **Extended Scalars Overview**

Speaker
Rui Santos

10:00–10:45 **Overview of BSM Higgs searches at the LHC**

Speaker
Halil Saka

Tuesday 22 October

09:00

Invited Plenaries

Session | **Location:** CERN, 503/1-001 - Council Chamber | **Convener:** Margarida Nesbitt Rebelo

09:00–09:45

CP violation in extended scalar sectors

Speakers

Margarete Muhlleitner, Milada Margarete Muhlleitner

10:30

09:45–10:30

Higgs & CP at the LHC

Speaker

R D Schaffer

11:00

Invited Plenaries

Session | **Location:** CERN, 503/1-001 - Council Chamber | **Convener:** Zhen Liu

11:00–11:45

DM models with extended scalar sectors

Speaker

Dr Venus Keus

12:30

11:45–12:30

Higgs and the dark sector searches at the LHC

Speaker

Efe Yigitbasi

Wednesday 23 October

09:00

Invited Plenaries

Session | **Location:** CERN, 503/1-001 - Council Chamber | **Convener:** Howard Haber

09:00–09:45 **EW phase transitions and other connections to Cosmology**

Speaker

Graham White

09:45–10:30 **Electroweak baryogenesis in non-minimal composite Higgs models**

Speaker

Oleksii Matsedonskyi

10:30

11:00

Invited Plenaries

Session | **Location:** CERN, 503/1-001 - Council Chamber | **Convener:** Jana Schaarschmidt

11:00–11:45 **Higgs self-coupling and prospects for HH and HHH**

Speaker

Carlo Pandini

11:45–12:30

Searches for light scalars in direct production and in $h_{125} \rightarrow a a$ decays at the LHC

Speaker

Alexandre Nikitenko

12:30

15:30

Invited Plenaries

Session | **Location:** CERN, 503/1-001 - Council Chamber | **Convener:** Maria Cepeda

15:30–16:15 **Bridging the gap: Requests from Theory To Experiment**

Speaker

Georg Ralf Weiglein

16:15–17:00 **Challenges and opportunities at Run3 and HL-LHC**

Speaker

Frank Filthaut

17:00

Thursday 24 October

09:00

Invited Plenaries

Session | **Location:** CERN, 503/1-001 - Council Chamber | **Convener:** Lidija Zivkovic

09:00–09:45 **Extended scalars and flavour**

Speaker

Gudrun Hiller

09:45–10:30 **Constraints on Extended Scalar Sectors from BPhysics at the LHC**

Speaker

Biplab Dey

10:30

11:00

Invited Plenaries

Session | **Location:** CERN, 503/1-001 - Council Chamber | **Convener:** Prof. Igor Ivanov

11:00–11:45

Higgs&Flavour: Searches for $H \rightarrow c\bar{c}$, $lf\bar{\nu}$ and lighter fermions at the LHC

Speaker

Yusheng Wu

11:45

14:00

Invited Plenaries

Session | **Location:** CERN, 503/1-001 - Council Chamber | **Convener:** Santeri Laurila

14:00–14:45 **Lessons from recasting**

Speaker

Sabine Kraml

14:45

Friday 25 October

09:00

Invited Plenaries

Session | **Location:** CERN, 503/1-001 - Council Chamber | **Convener:** Heidi Angelika Rzehak

09:00–09:45

Renormalization of extended scalar sectors

Speaker

Johannes Braathen

10:30

09:45–10:30

EFT for Higgs

Speaker

Samuel Homiller

11:00

Invited Plenaries

Session | **Location:** CERN, 503/1-001 - Council Chamber | **Convener:** Daniel Winterbottom

11:00–11:45

Higgs Combinations & EFT interpretations

Speaker

Nan Lu

11:45