

Thursday 25 March

18:00

Session 4: Session4-A Chair Person: Stefano Moretti (NExT Institute (Soton & RAL, UK)) Session | Location: Online 18:00-18:30 Higgs Bosons in B-L Supersymmetric Standard Model (BLSSM) Speaker Prof. Shaaban Khalil 18:30-18:45 The h^0(125) decays to c cbar, b bbar, b sbar, photon photon and gluon gluon in the light of the MSSM with quark flavor violation Speaker Prof. Keisho Hidaka 18:45-19:00 Higgs masses and decay widths satisfying the symmetries in the (N)MSSM Speaker Sebastian Paßehr 19:00-19:15 Radiative corrections to charged Higgs boson decays in NMSSM Speaker Kodai Sakurai 19:15-19:30 Towards better Higgs measurements with event-level inputs Speaker Lingfeng Li 19:30-19:45 BSM Higgs bosons in the reach of the LHC Speaker Thomas Biekoetter 19:45-20:00 Probing E_6 Motivated U(1) Theories at the J-PARC KOTO Speaker Fagner Correia 20:00

18:00

Session 4: Session4-B Chair Person: Rui Santos (ISEL and CFTC-UL) Session | Location: Online

18:00-18:30 Applications of deep machine learning in collider physics

Speaker

Prof. Cheng-Wei Chiang

18:30-18:45

How to unscramble the NP effects on the non-resonant di-Higgs process at the **LHC**

Speaker

Jeonghyeon Song

18:45-19:00 Doubly Charged Higgs Boson Production at Hadron Colliders

Speaker
Richard Ruiz

19:00-19:15

Scalar and fermion on-shell amplitudes in generalized Higgs effective field theory

Speaker
Ryo Nagai

19:15-19:30 Resurrection bbh with kinematic shapes

Speaker
Zhuoni Qian

19:30-19:45 Probing Higgs Sectors with HiggsBounds and HiggsSignals

Speaker
Jonas Wittbrodt

20:00

18:00

Session 4: Session4-C Chair Person: Milada Margarete Mühlleitner (KIT)

 $\textbf{Session} \hspace{0.1in} | \hspace{0.1in} \textbf{Location:} \hspace{0.1in} \textbf{Online}$

18:00-18:30 Global Electroweak Symmetric Vacuum

Speaker

Minho Son

18:30-18:45 Possibility of a general U(1) extended theory and its implications

Speaker

Arindam Das

18:45-19:00

Sudakov resummation of the friction on bubble walls in first-order phase transitions

Speaker

Dr Ryusuke Jinno

19:00–19:15 **CP-violating inflation**

Speaker

Venus Keus

19:15-19:30 Higgs Inflation, Vacuum Stability, and Leptogenesis

Speaker

Dr Kimiko Yamashita

19:30-19:45

A new perspective on the first-order electroweak phase transition in the Standard Model Effective Field Theory

Speaker

Dr José Eliel Camargo Molina

19:45-20:00

String Fragmentation in Supercooled Confinement and implications for Dark Matter

20:00

Speaker

Dr Yann Gouttenoire