



# HPNP Special Edition 2021

## Thursday 25 March 2021

### Session 4: Session4-A Chair Person: Stefano Moretti (NExT Institute (Soton & RAL, UK)) (18:00 - 20:00)

time	[id] title	presenter
18:00	[19] Higgs Bosons in B-L Supersymmetric Standard Model (BLSSM)	Prof. KHALIL, Shaaban
18:30	[56] The $h^0(125)$ decays to $c\bar{c}$ , $b\bar{b}$ , $b\bar{s}$ , photon photon and gluon gluon in the light of the MSSM with quark flavor violation	Prof. HIDAKA, Keisho
18:45	[70] Higgs masses and decay widths satisfying the symmetries in the (N)MSSM	PASSEHR, Sebastian
19:00	[48] Radiative corrections to charged Higgs boson decays in NMSSM	SAKURAI, Kodai
19:15	[13] Towards better Higgs measurements with event-level inputs	LI, Lingfeng
19:30	[47] BSM Higgs bosons in the reach of the LHC	BIEKOETTER, Thomas
19:45	[54] Probing $E_6$ Motivated $U(1)$ Theories at the J-PARC KOTO	CORREIA, Fagner

### Session 4: Session4-B Chair Person: Rui Santos (ISEL and CFTC-UL) (18:00 - 20:00)

time	[id] title	presenter
18:00	[34] Applications of deep machine learning in collider physics	Prof. CHIANG, Cheng-Wei
18:30	[6] How to unscramble the NP effects on the non-resonant di-Higgs process at the LHC	SONG, Jeonghyeon
18:45	[20] Doubly Charged Higgs Boson Production at Hadron Colliders	RUIZ, Richard
19:00	[27] Scalar and fermion on-shell amplitudes in generalized Higgs effective field theory	NAGAI, Ryo
19:15	[12] Resurrection $bbh$ with kinematic shapes	QIAN, Zhuoni
19:30	[46] Probing Higgs Sectors with HiggsBounds and HiggsSignals	WITTBRODT, Jonas

### Session 4: Session4-C Chair Person: Milada Margarete Mühlleitner (KIT) (18:00 - 20:00)

time	[id] title	presenter
18:00	[39] Global Electroweak Symmetric Vacuum	SON, Minh
18:30	[32] Possibility of a general $U(1)$ extended theory and its implications	DAS, Arindam
18:45	[77] Sudakov resummation of the friction on bubble walls in first-order phase transitions	Dr JINNO, Ryusuke
19:00	[1] CP-violating inflation	KEUS, Venus
19:15	[18] Higgs Inflation, Vacuum Stability, and Leptogenesis	Dr YAMASHITA, Kimiko
19:30	[67] A new perspective on the first-order electroweak phase transition in the Standard Model Effective Field Theory	Dr CAMARGO MOLINA, José Eliel
19:45	[78] String Fragmentation in Supercooled Confinement and implications for Dark Matter	Dr GOUTTENOIRE, Yann