Extended Scalar Sectors From All Angles

Monday 21 October 2024

Contributed Talks - 503/1-001 - Council Chamber (11:15 - 12:35)

-Conveners: Marcin Badziak

time [id] title	presenter
11:15 [33] Higgs Sector in B-L Supersymmetric Standard Model	Prof. KHALIL, Shaaban
11:35 [52] Electroweak hierarchy from conformal and custodial symmetry	TRAUTNER, Andreas
11:55 [15] Scalar sector of CP4 3HDM	LIU, Bei

Contributed Talks - 503/1-001 - Council Chamber (14:30 - 16:10)

-Conveners: Andreas Trautner

time	[id] title	presenter
14:30	[77] Complex S_3 Symmetric 3HDM	REBELO, Margarida Nesbitt
14:50	[17] Reconstructing the general 2HDM charged Higgs boson at the LHC	KRAB, Mohamed
	[29] Unlocking the 2HDM Phase Space: Recent Experimental Insights and Discovery Potential	JAFFEL, Khawla
15:30	[87] Low mass resonance search in bb final state at the LHC	ADHIKARY, Amit
15:50	[78] Associate production of light scalars at the LHC	DESAI, Aman

Contributed Talks - 503/1-001 - Council Chamber (16:40 - 17:40)

-Conveners: Martin Gabelmann

time	[id] title	presenter
	[20] Explaining the 152 GeV di-photon excesses at the LHC via associated production	COLORETTI, Guglielmo
	[34] Exotic Higgs decay \$h \to Z a\$ in the final state of two muons and two \$\tau\$ leptons	Dr SANDÁ SEOANE, Rosa María
17:20	[48] Potential enhancements in triple Higgs production in proton proton colliders	TETLALMATZI-XOLOCOTZI, Gilberto

Tuesday 22 October 2024

Contributed Talks - 503/1-001 - Council Chamber (14:00 - 15:40)

-Conveners: Venus Keus

time [id] title	presenter
14:00 [51] Spontaneous CPV from several angles	JOAQUIM, Filipe Rafael BRITO CÂMARA, Henrique
14:20 [27] CP-violation in 2HDM facing future EDM and Collider Tests	Dr MAO, Ying-nan
14:40 [81] Natural Alignment and CP Violation Beyond the Standard Model	PILAFTSIS, Apostolos
15:00 [44] New scalars as Dark Matter induced by Baryogenesis	ESCUDERO ABENZA, Miguel
15:20 [22] A viable model with extended scalar sector for neutrino, dark matter EW baryogenesis	er and Prof. KANEMURA, Shinya

Contributed Talks - 503/1-001 - Council Chamber (16:10 - 17:50)

$\hbox{-} Conveners: And reas \ Papa ef stathiou$

time [id] title	presenter
16:10 [9] Charge-breaking opportunities for the early Universe	Prof. IVANOV, Igor
16:30 [13] Electroweak Baryogenesis via Domain Walls in the N2HDM	SASSI, Mohamed Younes
16:50 [3] Multi-Higgs production and the Electroweak Phase Transition through TRSM	KARKOUT, Osama
17:10 [31] Conformal Majoron-like models with supercooled phase transitions	MORAIS, António
17:30 [54] Accidental Suppression of Wilson Coefficients in Higgs Coupling	LIU, Zhen

Wednesday 23 October 2024

Contributed Talks - 503/1-001 - Council Chamber (17:30 - 18:30)

-Conveners: Ian Lewis

time [id] title	presenter
17:30 [18] Pair production of Higgs Bosons at NLO	SPIRA, Michael
17:50 [14] Double Higgs Boson Production in Association of Jets in the Triplet Higgs Model at the LHC	FIGY, Terrance
18:10 [4] Interference effects in resonant di-Higgs production at the LHC	WINTERBOTTOM, Daniel

Thursday 24 October 2024

Contributed Talks - 503/1-001 - Council Chamber (11:45 - 12:30)

time [id] title	presenter
11:45 [8] Looking for a SFOEWPT in the RxSM at the HL-LHC a	and LISA VERDURAS SCHAEIDT, Alain
12:05 [19] Impact of Loop Corrections to the Trilinear Higgs Cou Interference Effects on Experimental Limits	plings and RADCHENKO SERDULA, Kateryna

Contributed Talks - 503/1-001 - Council Chamber (14:45 - 16:00)

time	[id] title	presenter
	[39] Impact of interference effects on Higgs searches in the di-top final state at the LHC	KUMAR, Romal
	[53] On the robustness of the indirect determination of the width of the detected Higgs boson	STYLIANOU, Panagiotis
15:25	[40] Sensitivity of 2HDMa searches to Inert Doublet Model	Dr LAHIRI, Jayita

Friday 25 October 2024

Contributed Talks - 503/1-001 - Council Chamber (11:45 - 12:30)

time	[id] title	presenter
11:45	[21] Dissecting multi-Higgs production in new physics models	Dr PAPAEFSTATHIOU, Andreas
12:05	[38] Decoding the Georgi-Machacek Scenario: Insights from the LHC and Future Possibilities	Ms GHOSH, Rituparna

Contributed Talks - 503/1-001 - Council Chamber (14:00 - 15:00)

-Conveners: António Morais

time	[id] title	presenter
14:00	[79] Searching for light new scalars with atomic and nuclear clocks	KIRK, Fiona
14:20	[10] Minimal U(1) two-Higgs-doublet models for quark and lepton flavour	BRITO CÂMARA, Henrique
14:40	[83] Flavor-nondiagonal neutral Higgs Yukawa couplings revisited	HABER, Howard

Contributed Talks - 503/1-001 - Council Chamber (15:30 - 16:50)

-Conveners: Johannes Braathen

time	[id] title	presenter
15:30	[50] Renormalization of the general Two-Higgs-Doublet Model	FESER, Robin
15:50	[43] Precise predictions for trilinear Higgs couplings and \$gg\to HH\$	GABELMANN, Martin
	[24] Two-loop form factors for Scalar Dark Matter annihilation to colored Standard Model particles	KATAPUR, Warsimakram Imamsab