

ICHEP 2022

Thursday, July 7, 2022

Higgs Physics - Room 5 (Aorio) (9:00 AM - 10:45 AM)

-Conveners: Karsten Köneke; Sylvie Braibant

time	[id] title	presenter
9:00 AM	[656] Measurements of the Higgs boson couplings and their interpretations in bosonic final states at the ATLAS experiment	MUNGO, Davide Pietro
9:15 AM	[657] Measurements of the Higgs boson couplings and their interpretations in fermionic final states at the ATLAS experiment	DI GREGORIO, Giulia
9:30 AM	[211] Higgs boson differential and STXS measurements - fermion channels	BROMMER, Sebastian
9:45 AM	[212] Higgs boson differential and STXS measurements - bosonic channels	TARABINI, Alessandro
10:00 AM	[655] Measurements of the Higgs boson fiducial and differential cross sections in bosonic final states at the ATLAS experiment	SCHAFFER, Arthur
10:15 AM	[186] Constraints on the Higgs-charm coupling by CMS	POZDNYAKOV, Andrey
10:30 AM	[674] Search for Higgs boson decays to second generation fermions and other Higgs boson rare decays at the ATLAS experiment	WARD, Robert

Higgs Physics - Room 5 (Aorio) (11:15 AM - 1:00 PM)

-Conveners: Yuji Enari; María Cepeda

time	[id] title	presenter
11:15 AM	[213] Studies of anomalous couplings of the Higgs boson and its CP structure at CMS	CHATTERJEE, Suman
11:30 AM	[658] Measurements of the CP structure of Higgs-boson couplings with the ATLAS detector	GOBLIRSCH-KOLB, Maximilian
11:45 AM	[660] Precision measurements of the Higgs boson mass and width using four-lepton and diphoton final states	BARONE, Gaetano
12:00 PM	[209] Higgs couplings combination at CMS	BONANOMI, Matteo
12:15 PM	[659] Combined Higgs boson measurements at the ATLAS experiment	WANG, Zirui
12:30 PM	[662] Development of novel experimental techniques to improve the understanding of the Higgs sector by the ATLAS experiment	JIGGINS, Stephen
12:45 PM	[147] Jet Clustering Techniques for New Higgs Boson Searches in Hadronic Final States	JAIN, Shubhani

Higgs Physics - Room 5 (Aorio) (2:30 PM - 4:30 PM)

-Conveners: María Cepeda; Karsten Köneke

time	[id] title	presenter
2:30 PM	[210] Double Higgs production at CMS	BURY, Florian
2:45 PM	[180] Search for resonant and nonresonant di-Higgs boson production at CMS using jet substructure techniques	D'AMANTE, Valeria

3:00 PM	[720] Probing the nature of electroweak symmetry breaking with Higgs boson pairs in ATLAS	CORTES GONZALEZ, Arely
3:15 PM	[730] Constraining the Higgs boson self-coupling in a combined measurement of single and double Higgs boson channels at the ATLAS experiment	D'AMICO, Valerio
3:30 PM	[316] Recent HL-LHC projections from CMS	PUROHIT, Arnab
3:45 PM	[729] Prospects for single- and di-Higgs measurements at the HL-LHC with the ATLAS experiment	METE, Tulin
4:00 PM	[862] Imprint of quark flavor violating SUSY in $h(125)$ decays at future lepton colliders	HIDAKA, Keisho
4:15 PM	[661] Effective Field Theory interpretations of Higgs boson measurements by the ATLAS experiment	KORTNER, Sandra

Higgs Physics - Room 5 (Aorio) (5:00 PM - 7:00 PM)

-Conveners: Sylvie Braibant; Fabio Maltoni

time	[id] title	presenter
5:00 PM	[1029] Impact of radiative corrections on decays of the charged and CP-odd Higgs bosons	AIKO, Masashi
5:15 PM	[904] Electroweak phase transition in the nearly aligned Higgs effective field theory	TANAKA, Masanori
5:30 PM	[1023] Exploring SMEFT operators through single top-quark production associated with the Higgs boson at the LHC	ROY, Arnab
5:45 PM	[1066] Electroweak baryogenesis in aligned two Higgs doublet model	MURA, Yushi

Friday, July 8, 2022

Higgs Physics: Joint session with BSM - Room 10 (Magenta B) (9:00 AM - 10:45 AM)

-Conveners: John Conway; Yuji Enari

time	[id] title	presenter
9:00 AM	[214] Searches for Extended Higgs Sectors at CMS	WINTERBOTTOM, Daniel
9:15 AM	[215] Rare & BSM decays of the Higgs boson at CMS	JAFFEL, Khawla
9:30 AM	[718] Exotic decays of the Higgs and Z bosons	CASTILLO, Florencia
9:45 AM	[726] Searches for additional charged and neutral Higgs bosons in ATLAS	FAROOQUE, Trisha
10:00 AM	[743] Mounting evidence for a 95 GeV Higgs boson	BIEKOETTER, Thomas
10:15 AM	[1268] Probing light Higgs boson with 96 GeV in di-photon channel	BOUKIDI, Mohammed
10:30 AM	[407] Accidental symmetries in the scalar potential of the Standard Model extended with two Higgs triplets	WANG, Xin

Higgs Physics - Room 5 (Avario) (11:15 AM - 1:00 PM)

-Conveners: Karsten Köneke; María Cepeda

time	[id] title	presenter
11:15 AM	[712] A novel experimental search channel for very light Higgses in the Type-I 2HDM	Dr SEMLALI, Souad
11:30 AM	[1209] Phenomenology of a flavoured NTHDM BGL-like model with three massive neutrino generations	VATELLIS, Vasileios
11:45 AM	[445] Higgs boson decay to J/ψ via c -quark fragmentation	MA, Yang
12:00 PM	[1332] Probing new physics using Standard Model Effective Field Theory	Dr ., Anisha
12:15 PM	[1207] Collider phenomenology of new neutral scalars in a flavoured multi-Higgs model	PINO GONÇALVES, João Pedro

Higgs Physics - Room 5 (Avario) (2:30 PM - 4:30 PM)

-Conveners: Sylvie Braibant; Yuji Enari

time	[id] title	presenter
2:30 PM	[1028] Precise Higgs mass measurements and cross section measurements at the FCC-ee	BERNARDI, Gregorio
2:45 PM	[1026] Higgs physics at the FCC: the stunning complementarity between ee and pp	SELVAGGI, Michele
3:00 PM	[1120] New Higgs Physics with the LHeC and FCC-he	KLEIN, Uta
3:15 PM	[401] Higgs Physics at Muon Collider with detailed detector simulation	SESTINI, Lorenzo
3:30 PM	[1048] Precision test of the muon-Higgs coupling at a high-energy muon collider	REUTER, Jürgen
3:45 PM	[992] Impact of Advances in Detector Techniques on Higgs Measurements at Future Higgs Factories	EINHAUS, Uli
4:00 PM	[953] Highlights of the Higgs precision program at ILC	BOZOVIC JELISAVCIC, Ivanka

4:15 PM	[669] Determination of CPV Higgs mixing angle in ZZ-fusion at 1.4 TeV CLIC	VUKASINOVIC, Natasa
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Higgs Physics - Room 5 (Aavorio) (5:00 PM - 7:00 PM)

-Conveners: Fabio Maltoni; Karsten Köneke

time	[id] title	presenter
5:00 PM	[1443] Precision calculations for Higgs Physics	TANCREDI, Lorenzo
5:30 PM	[1436] Theoretical progress for Higgs-boson production via vector-boson fusion	CHEN, Xuan
6:00 PM	[337] Strange quark as a probe for new physics in the Higgs sector	CAIRO, Valentina Maria Martina
6:15 PM	[121] Mixed QCD-electroweak corrections to Higgs plus jet production at the LHC	Mr BONETTI, Marco
6:30 PM	[576] Higgs alignment and the top quark	LANE, Kenneth