

Higgs Hunting 2022

Monday, September 12, 2022

Young scientist forum: Part 1 - 200/0-Auditorium - Auditorium P. Lehmann (2:10 PM - 3:10 PM)

-Conveners: Robert Cousins

time	[id] title	presenter
2:10 PM	[43] Measurement of the Higgs boson mass in the $H \rightarrow ZZ \rightarrow 4l$ channel in ATLAS with the full Run 2 dataset	YAN, Siyuan
2:22 PM	[42] Overview of the ttW process and its measurements by the ATLAS experiment.	BULLARD, Brendon
2:34 PM	[81] Mixed QCD-EW corrections in Higgs boson production	BONETTI, Marco
2:49 PM	[82] Multijet production	SAVOINI, Chiara

Young scientist forum: Part 2 - 200/0-Auditorium - Auditorium P. Lehmann (4:45 PM - 5:45 PM)

-Conveners: Dermot Moran

time	[id] title	presenter
4:50 PM	[49] Combination of Higgs boson pair production and single Higgs production at the LHC with the ATLAS detector	CHENG, Alkaid
5:02 PM	[50] Top-associated Higgs boson production and the top-to-Higgs fragmentation function	BRANCACCIO, Colomba
5:14 PM	[41] Differential Higgs boson production	PELLONI, Andrea
5:29 PM	[33] Differential and CP measurements in ttH($H \rightarrow bb$) with ATLAS	KUMARI, Neelam

Tuesday, September 13, 2022

Young scientist forum: Part 3 - Amphithéâtre Charpak (10:00 AM - 11:00 AM)

-Conveners: Sven Heinemeyer

time	[id] title	presenter
10:00 AM	[48] SM and BSM Higgs searches at LHCb	BUONINCONTRI, Laura
10:12 AM	[51] Search for non-resonant Higgs boson pair production in the final state with two bottom quarks and two tau leptons with CMS	D'AMANTE, Valeria
10:24 AM	[85] Parametrized classifiers for optimal EFT sensitivity (Zoom)	CHEN, Siyu
10:36 AM	[79] Search for CP violation in the tau Yukawa coupling with CMS	SESSINI, Mario

Young scientist forum: Part 4 - Amphithéâtre Charpak (4:30 PM - 4:45 PM)

-Conveners: Anne-Catherine LE BIHAN

time	[id] title	presenter
4:30 PM	[80] Search for Lorentz boosted nonresonant HH production in the 4b final state with the CMS detector (Zoom)	DUTTA, Irene

Wednesday, September 14, 2022

Young scientist forum: Part 5 - Amphithéâtre Charpak (2:55 PM - 3:12 PM)

-Conveners: Michael Duehrssen-Debling

time	[id] title	presenter
2:55 PM	[78] HH production at the High-Luminosity LHC with CMS	SUAT DONERTAS, Izzeddin