

5th ComHEP: Colombian Meeting on High Energy Physics

Monday 30 November 2020

Formal theory: Phenomenology (15:00 - 18:00)

-Conveners: José David Ruiz Álvarez; Carlos Sandoval Usme; Gabriela Alejandra Navarro; Carlos Andres Florez Bustos

time	[id] title	presenter
15:00	[70] 3-3-1 model with right neutrinos, implemented in SARAH and SPheno	Dr TAPIA, Alex
15:20	[19] Explaining muon g-2 anomaly in a non-universal U(1)X extended SUSY theory	ALVARADO GALEANO, Juan Sebastian
15:40	[30] External Momentum Dependence from the Higgs Boson Mass	REYES ROJAS, Edison Alfonso
16:00	[20] Quantum Machine Learning concepts for HEP	Ms IYER, Vijayasri
16:20	[94] Discussion	

Tuesday 1 December 2020

Formal theory: Theory (08:00 - 11:15)

-Conveners: **Andrés Fernando Castillo Ramirez; Alexander Moreno Briceño**

time	[id] title	presenter
08:00	[76] EFTs: Bounding the systematic uncertainties of the Inverse Amplitude Method	LLANES-ESTRADA, Felipe J.
08:30	Questions	
08:40	[77] Scattering Amplitudes: QCD and gravity applications	Dr TORRES BOBADILLA, William J.
09:10	Questions	
09:20	Break	
09:35	[1] Algebraic approach to scattering amplitudes	LOPEZ ARCOS, Cristhiam
09:55	[8] Non-linear Regge trajectories with AdS/QCD	MARTÍN CONTRERAS, Miguel Angel
10:15	[11] Noncommutative momentum and torsional regularization	POPLAWSKI, Nikodem
10:35	[34] Generation of Carroll-Field-Jackiw term in Horava-Lifshitz $z=3$ CPT-violating QED	Mr MARTÍNEZ , Ricardo
10:55	[95] Discussion	