



# 7th ComHEP: Colombian Meeting on High Energy Physics

## Thursday 1 December 2022

### LHC results (14:00 - 18:30)

-Conveners: Carlos Sandoval Usme; Gabriela Alejandra Navarro

time	[id] title	presenter
14:00	[69] Jet physics at the LHC	CAMACHO TORO, Reina Coromoto
14:45	[71] BSM Physics at the LHC, status and perspectives	FLOREZ BUSTOS, Carlos Andres
15:30	Break	
16:00	[1] Quarkophobic $W'$ for LHC searches	RUIZ, Jose
16:20	[29] Searches of new physics in the final state $B \rightarrow \tau \nu$ in $pp$ collisions	ATEHORTUA GARCES, Tomas
16:40	[50] Use of the Lund plane technique for the identification of W bosons in ATLAS experiment	VINASCO SOLER, Rafael Andrei
17:00	[26] Feasibility studies for searches enhanced by machine learning methods of leptoquarks with preferencial couplings to third generation fermions at the LHC.	RODRIGUEZ, Cristian
17:20	[33] Machine learning approach for vector boson fusion identification	Mr RUALES BARBOSA, Anderson Alexis
17:40	[40] Boosted Higgs boson in association with a vector boson	MORENO PEREZ, Juan Manuel
17:45	[48] Calibration of the Jet Vertex Tagger algorithm in the ATLAS detector	Ms CAVIEDES BETANCOURT, Laura Juliana
17:50	[31] COFFEA: Columnar Object Framework For Effective Analysis	OCAMPO HENAO, Daniel