



# L International Meeting on Fundamental Physics and XV CPAN days

## Monday, October 2, 2023

### CPAN - Red Temática de Física del LHC: Bloque 1 - Salón de Baile (3:00 PM - 5:00 PM)

time	[id] title	presenter
3:00 PM	[99] 95 GeV excess within the scotogenic scenario	MARTIN LOZANO, Víctor
3:20 PM	[100] Searches for electroweak production of SUSY particles with the CMS experiment	MATORRAS-CUEVAS, Pablo
3:40 PM	[101] Testing BSM Higgs couplings to Ws via VBF-HH at colliders	DOMENECH MOYA, Daniel
4:00 PM	[102] Search for exotic Higgs decays $H \rightarrow aa$ and $H \rightarrow a1a2$ in the 4b and 6b final states at $\sqrt{s} = 13$ TeV using the ATLAS detector	MARTINEZ SUAREZ, Paula
4:20 PM	[103] Measurements of the Higgs boson production cross section and couplings in the W boson pair decay channel at CMS	BLANCO FERNANDEZ, Sergio
4:40 PM	[104] Boosting sensitivity in searches for heavy resonances with the ATLAS detector	CANTERO, Josu

### CPAN - Red Temática de Física del LHC: Bloque 2 - Salón de Baile (5:30 PM - 7:30 PM)

time	[id] title	presenter
5:30 PM	[105] Lepton Universality tests in semileptonic decays at LHCb	NOVOA FERNANDEZ, Julio
5:50 PM	[106] LHC Study of Third-Generation Scalar Leptoquarks with Machine-Learned Likelihoods	Dr SANDÁ SEOANE, Rosa María
6:10 PM	[109] Real Time Analysis at the LHCb experiment	VALLS CANUDAS, Nuria
6:30 PM	[108] Prospects for LHC computing in Spain for the next 3 years	HERNANDEZ CALAMA, Jose
6:50 PM	[107] Radiative decays at LHCb	LOBO SALVIA, Aniol
7:10 PM	[110] HPC use in WLCG and the Spanish case	FLIX MOLINA, Jose

### CPAN - Red Temática de Física del LHC: Future of the Red LHC - Salón de Baile (7:30 PM - 8:00 PM)

-Conveners: Isabel Josa Mutuberria

## Tuesday, October 3, 2023

### CPAN - Red Temática de Física del LHC: Bloque 3 - Salón de Baile (9:00 AM - 11:10 AM)

time	[id] title	presenter
9:00 AM	[113] ttX (W, Higgs) measurements at CMS	RAMON ALVAREZ, Clara
9:20 AM	[112] Search for Long Lived particles decaying to muons with 2022 data in CMS	ESCALANTE DEL VALLE, Alberto
9:40 AM	[114] Recent measurements of the top quark mass and other properties with the ATLAS detector	JIMENEZ PENA, Javier
10:00 AM	[116] Machine learning techniques for muon identification and isolation at CMS	TRAPOTE FERNANDEZ, Andrea
10:20 AM	[115] ATLAS electron performance results	VARRIALE, Lorenzo
10:40 AM	[117] CIEMAT contributions to CMS HL-LHC Upgrade in the Muon, L1T and HGCAL projects	REDONDO FERNANDEZ, Ignacio