



# XIV CPAN DAYS

## Wednesday 23 November 2022

### Física Teórica (15:00-17:00)

time	[id] title	presenter
15:00	[622] RGEs and positivity bounds of the SMEFT dimension-8 operators	Dr. DAS BAKSHI, Supratim
15:20	[632] WW resonances as a window to Higgs physics	ASIÁIN, Iñigo
15:40	[633] Phenomenological implications of the NLHT	Mr. PÉREZ-POYATOS, Jose María
16:00	[634] The dynamics of domain wall strings	Mr. JIMÉNEZ-AGUILAR, Daniel
16:20	[646] Constraints to the 2HDM soft breaking parameter $m_{12}$ in the di-photon Higgs decay	ARCO GARCÍA, Francisco Manuel
16:40	[673] Consistent Kinetic Mixing	FOLDENAUER, Patrick

### Física Teórica (17:30-19:35)

time	[id] title	presenter
17:30	[618] The vector boson spectrum at LHC	SCIMEMI, Ignazio
17:50	[620] Study of heavy quark-antiquark in-medium potentials	LÓPEZ PARDO, Víctor
18:10	[750] The three-gluon vertex in Landau gauge for general kinematics	PINTO GÓMEZ, Fernando
18:30	[672] Testing entanglement and Bell Inequalities in $H \rightarrow ZZ$ .	BERNAL GONZÁLEZ, Alexander

# Thursday 24 November 2022

## Física Teórica (08:55-11:30)

time	[id] title	presenter
09:00	[615] Cosmological analogies in the search for new physics in high-energy collisions	Prof. SANCHIS LOZANO, Miguel Angel
09:20	[757] Non-linear dynamics of Axion-Inflation	URIO GARMENDIA, Ander
09:40	[647] Application of a quantum algorithm for querying causality	RAMÍREZ URIBE, Norma Selomit
10:00	[652] Variational Quantum Eigensolver for Feynman Diagrams	Mr. RENTERÍA, Andrés