



# XIII CPAN DAYS

## Monday 21 March 2022

### Física Teórica (15:00-17:00)

time	[id] title	presenter
15:00	[587] Gauge dependence in QCD correlation functions	DALL'OLIO, Pietro
15:15	[588] Three-gluon vertex from quenched lattice simulations in general kinematics	PINTO GÓMEZ, Fernando
15:30	[589] Triple Higgs couplings in the 2HDM and their impact at e+e- colliders	ARCO GARCÍA, Francisco Manuel
15:45	[590] The Higgs boson: a promising portal to New Physics	ASIÁIN, Iñigo
16:00	[591] The new and gauge invariant Littlest Higgs Model with T-parity	Mr. PÉREZ-POYATOS, Jose María
16:15	[592] Search of causal Feynman integrals with quantum algorithm	RENTERIA, Andres
16:30	[593] Asymptotic expansions and causal representations through the loop-tree duality	PLENTER, Judith

### Física Teórica (17:30-19:30)

time	[id] title	presenter
17:30	[594] Z'-explorer: confronting Z' models against LHC data	SANDÁ SEOANE, Rosa María
17:45	[595] Improved bounds on heavy quark EDMs and implications for BSM	RUIZ VIDAL, Joan
18:00	[596] Semileptonic tau decays beyond the Standard Model	DÍAZ CALDERÓN, David
18:15	[597] An ultraviolet completion for the Scotogenic model	ESCRIBANO VALIENTE, Pablo
18:30	[598] Mapping the SMEFT to discoverable models	ESSER, Fabian
18:45	[599] A Green's basis for the bosonic SMEFT to dimension 8	DÍAZ CARMONA, Álvaro
19:00	[612] Probing Muon g-2 with Sleptons at LHC and Dark Matter Experiments	ÜN, Cem Salih

## Tuesday 22 March 2022

### Física Teórica (09:00-11:30)

time	[id] title	presenter
09:00	[601] Using Machine Learning techniques in phenomenological studies in flavour physics	ALDA GALLO, Jorge
09:15	[602] Probing pion's insight at future colliders: a glue-led structure	MORGADO CHÁVEZ, Jose Manuel
09:30	[605] Pion generalized parton distributions: what theory, lattice QCD and experiment can tell us?	RAYA, Khépani
09:45	[603] Axial-vector meson contributions to the HFS of muonic hydrogen	SANCHEZ-PUERTAS, Pablo
10:00	[606] Transverse-momentum structure of the proton	SCHNELL, Gunar
10:15	[604] Probing nucleon 3D structure at the Electron-Ion Collider	ECHEVARRIA, Miguel
10:30	[607] Effective quantum gravity, cosmological constant and the Standard Model of particle physics	SHAPIRO, Ilya