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XXI Mexican School on Particles and Fields 2026

Tuesday 20 October 2026

Short Talks: Short Talks - (18:00-19:00)

time	title	presenter
18:00	Study to characterize the production of antineutrons in high energy pp collisions through charge exchange interactions in the ALICE experiment	LUGO PORRAS, Fabiola Viridiana
18:10	Measurement of the Branching Fraction Ratio of Ξ^{-}_b Baryon Decays Using Run 3 Data	TORRES CASTAÑO, Camilo
18:20	Simulation of the lpGBT chip and firmware design for the new FEC of the MuonID detector in ALICE3	MAMANI, Beymar
18:30	Hidden Vector Dark Matter Phenomenology	JIMENEZ ROMAN, Juan
18:40	Exploring the soft-hard transition and jet activity in proton-proton collisions.	ZETINA, Aldo

Thursday 22 October 2026

Short Talks: Short Talks - (15:30-16:00)

time	title	presenter
15:30	Effect of K^* meson magnetic dipole moment on the $e^+e^- \to K^+ K^-\pi^0 \pi^0 $ cross section	JIMÉNEZ PÉREZ, Luis Alberto
15:40	Propagator of a massive charged vector boson in a magnetic field: Ritus eigenfunction method	MONREAL CANCINO, Manuel Emiliano
15:50	The $\tau \to \pi^-\omega\nu_\tau$ spectral function and its contribution to $\tau \to \pi^-\pi^0\nu_\tau\gamma$ decay	ESPARZA, Leonardo

Friday 23 October 2026

Short Talks - (15:30-17:00)

time	title	presenter
15:30	Gauge-invariant study of the WWγ* and WWZ* vertices in the extra-dimensional standard model	CORREA LEON, Alfonso de Jesús
15:40	Estudio de las funciones beta en electrodinámica escalar con dimensiones extra.	RAMÍREZ-NAVOR, Joel
15:50	The $t\bar{t}VV$ Background to Four-Top Quark Production; Towards New Physics Studies	RODRÍGUEZ MELÉNDEZ, Luz Silvana
16:00	Estudio de violación de CP búsqueda de bosones pseudoescalares en el canal $A_p \to Zh$	MARTINEZ RAMON, Jadihel
16:10	One-loop scalar leptoquarks effects in Higgs pair production via gluon fusion	TOSCANO, Marcelo
16:20	Phenomenology of Pseudoscalar Particle (A) Decays at the LHC	RODRÍGUEZ, Bogart
16:30	Nonextensivity and KNO scaling of charged particle production	ALVARADO GARCÍA, J. Ricardo
16:40	Probing New Physics in Higgs Couplings to Gauge Bosons	HERNÁNDEZ JUÁREZ, Alan Ignacio
16:50	Higgs decay into invisible particles	ANGEL EDUARDO, Zecua Hernández

Short Talks: Short Talks - (17:15-18:30)

time	title	presenter
17:15	Construction and development of RPC gas detectors	SALVADOR GARCIA, Juan Pablo
17:25	Geometrical Optimization of the Muon Identifier (MID) for Maximum Particle Acceptance	PEREZ MEJIA, Francisco Emmanuel
17:35	Front-End Electronics based on PETIROC2A Characterization and Implementation in an RPC Muon Telescope	GUTIERREZ RUIZ, Juan Manuel
17:45	Characterization of plastic scintillators by cosmic rays	RUIZ HERNANDEZ, Oliver Isac