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XIX Mexican Workshop on Particles and Fields, 2025

Tuesday 21 October 2025

Parallel Talks - 1 - Auditorio Edificio B (15:45-17:00)

time	title	presenter
15:45	Polymethyl Methacrylate as Cosmic Radiation Detection Material	AGUILAR, Salvador
16:00	One-loop contributions to WWZ from a seesaw variant with radiatively induced light neutrino masses	SALINAS IBAÑEZ, Monica
16:15	Dual cosmic ray detector based on acrylic rods	ROSAS TRUJILLO, Juan
16:30	Effects of scalar leptoquarks S_1 and R_2 on charged lepton flavor violating decays $\tau \rightarrow \ell \ell \ell m^c$ ($\ell = e, \mu$)	HOYOS DAZA, Juan Pablo
16:45	Automated quantum algorithm for efficient querying of multiloop causal configurations	URIBE RAMIREZ, Juan Pablo

Parallel Talks - 1 - Auditorio Edificio B (17:30-18:30)

time	title	presenter
17:30	Mass-Agnostic Search for a Vector-Like Top Partner at an e^+e^- Collider via the Recoil-Mass Technique	VALLE DELGADO, Higinio Manuel
17:45	Implementation of a scintillation detector for measuring secondary cosmic radiation in Mexico City over a two-year period.	MARTÍNEZ MONTIEL, Diego
18:00	The second order formalism of QED and QCD	BANDA GUZMAN, Victor Miguel
18:15	Flavoring the Dark Energy: Modular Quintessence and the Swampland	GORDILLO RUIZ, Hansel Argyll

Wednesday 22 October 2025

Parallel Talks - 1 - Auditorio Edificio B (16:00-17:00)

time	title	presenter
16:00	Lepton Flavor Violating Higgs Decays in a Minimal Doublet Left-Right Symmetric Model with an Inverse Seesaw	ZELENY MORA, Moises
16:15	Effect of the magnetic dipole moment of the vector meson K^* on the process $e^+ e^- \rightarrow K^+ K^- \gamma$	JIMÉNEZ PÉREZ, Luis Alberto
16:30	Searching for Axion-Like Particles with Short-Baseline Reactor Neutrino Experiments	DUQUE HERRERA, Laura
16:45	Sizing the double pole resonant enhancement in $e^+ e^- \rightarrow \pi^0 \pi^0 \gamma$ cross section and $\tau \rightarrow \pi^- \pi^0 \nu_\tau$ γ decay	ESPARZA, Leonardo

Parallel Talks - 1 - Auditorio Edificio B (17:30-18:30)

time	title	presenter
17:30	New physics in Higgs couplings	HERNÁNDEZ JUÁREZ, Alan Ignacio
17:45	LVN & LNC heavy baryon decays, in presence of two almost degenerated heavy neutrinos	FORTUNA, Fabiola
18:00	Propagators for Negative-energy and Tachyonic Solutions of Relativistic Equations	DVOEGLAZOV, Valeriy
18:15	Exploring New Geometries in String Theory: Non-Abelian Orbifolds	HERNÁNDEZ SEGURA, Miguel Angel