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XV Latin American Symposium on High Energy Physics

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Parallel program: Neutrinos 1 (Ingeniería Eléctrica) (15:30-17:00)

time	title	presenter
15:30	Hyper-Kamiokande experiment	CUEN-ROCHIN, Saul
16:00	Exploring Low-energy Charged-Current Scattering of Electron Neutrinos on Argon with the CCM Experiment	CHÁVEZ, Marisol
16:20	$\nu_e \rightarrow \nu_e$ scattering with massive Dirac or Majorana neutrinos and general interactions	MÁRQUEZ MORALES, Juan Manuel
16:40	Improving the precision in low-energy neutrino detection using silicon and neon isotopic detectors	DUQUE HERRERA, Laura

Parallel program: Computing Access, Practical Large-Scale Data Analysis and AI Tools in Scientific Research: Empowering Latin American Researchers (Room A, Ádem Library) (15:30-17:00)

- Conveners: Dr. Sánchez Pineda, Arturo

Parallel program: Astrophysics 1 (Multidisciplinario = Central Library) (15:30-17:10)

time	title	presenter
15:30	Hadronic signatures of Quasars captured by Fermi-LAT	GALVÁN, Antonio
15:50	TAMBO: Searching for Tau Neutrinos in the Peruvian Andes	THOMPSON, Will
16:10	Performance of a gamma ray observatory in a lake with a deep muon layer	PÉREZ ARAUJO, Yuniór Frainen
16:30	Using the IceCube data to constraint the (3+2) sterile neutrino scenario	QUIROG, Alexander
16:50	Gamma-Hadron separation using the temporal distribution of particle cascades at TeV energies in the SWGO experiment	LUZQUIÑOS SAAVEDRA, DAVID ALONSO LUZQUIÑOS SAAVEDRA, DAVID ALONSO

Parallel program: Dark sector 1 (Secretaría Académica) (15:30-17:10)

time	title	presenter
15:30	Bounds on neutrino-DM interaction from TXS 0506+056 neutrino outburst	ZAPATA, Gabriel Damián
15:50	Production of dark matter in association with a Higgs via exclusive photon fusion	HERNANDEZ, Haydee HERNANDEZ-ARELLANO, Haydee HERNÁNDEZ, Haydee
16:10	Exploring Bicomponent Dark Matter and Neutrino Mass Generation in a Standard Model Extension	LAMPREA, Mario

16:30	From WIMPs to FIMPs: Impact of Early Matter Domination	SILVA MALPARTIDA, Javier
16:50	Multi-component secluded WIMP dark matter and Dirac neutrino masses with an extra Abelian gauge symmetry	SUAREZ, David

Parallel program: QCD 2 (Ádem) (15:30-17:20)

time	title	presenter
15:30	Heavy flavor spectroscopy at CMS	MEJIA, Jhovanny
16:00	Improved evaluation of the $\pi^0/\eta/\eta'$ contributions to $a_{\mu}^{\text{P-pole,HLbL}}$ in RChT	ESTRADA GONZÁLEZ, Emilio José
16:20	$\tau^- \rightarrow \pi^- \eta \nu_\tau$ decay induced by QED one-loop effects	PORTILLO, Diego
16:40	Isospin-breaking effects in isospin conserving processes	GUEVARA, Adolfo
17:00	Simulation, construction, and test of a prototype for the MID subsystem of ALICE 3	PAZ, Antonio PAZ, Antonio

Parallel program: New Frontiers (Sala B, Dpto. de Física) (15:30-17:20)

time	title	presenter
15:30	From vacuum amplitudes to physical observables in the causal Loop-Tree Duality	HERNÁNDEZ-PINTO, Roger José
16:00	Development of muon tomography for non-invasive studies of geophysical objects	BAUTISTA LEON, Jose Francisco
16:20	Accelerating High-Energy Collisions Calculations using analytic models to describe effective PDFs	OCHOA-OREGON, Salvador A.
16:40	Precision luminosity measurement in proton-proton collisions at CMS in Run 3	BENITEZ RUBIO, José Feliciano