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XVIII Mexican Workshop on Particles and Fields

Monday 21 November 2022

AFTERNOON SESSION II - Sala de Proyecciones (16:00-17:50)

- **Conveners: Dr. Cuautle, Eleazar**

time	title	presenter
16:00	ONLINE: An electron-muon collider: what can be probed with it?	LARIOS, Francisco
16:15	Impact of ATLAS constraints on effective dark matter-standard model interactions with spin-one mediators	FORTUNA, Fabiola
16:30	Top quark and vector meson production in heavy ion collisions at CMS	ALCERRO, Luis
16:45	Phenomenological analysis in direct photon production using Neural Network	RENTERIA-ESTRADA, David F.
17:00	ONLINE: Review on particle Dark Matter	LINEROS RODRÍGUEZ, Roberto

Tuesday 22 November 2022

AFTERNOON SESSION II: AFTERNOON SESSION II - Sala de Proyecciones (16:00-17:50)

- Conveners: Dr. Roig, Pablo

time	title	presenter
16:00	ONLINE: Pion and kaon time-like form factors	MIRAMONTES, Ángel
16:15	Form factors of pseudoscalar mesons through an algebraic model	HIGUERA ANGULO, Isela Melany HIGUERA ANGULO, Isela Melany
16:30	A measurement of the mass of the tau lepton using new methods to study semi-invisible decays.	COLORADO CAICEDO, Johan Andrés
16:45	ONLINE: Magnetic field effect on the cross section of Higgs boson production through gluon fusion	JABER URQUIZA, Jorge Igor
17:00	Study of lepton flavor and lepton number violating processes	HERNÁNDEZ-TOMÉ, Gerardo

Wednesday 23 November 2022

AFTERNOON SESSION II: AFTERNOON SESSION II - Sala de Proyecciones (16:00-17:00)

- **Conveners: Rodríguez Cahuantzi, Mario**

time	title	presenter
16:00	A proposed beam-beam monitoring detector for the MPD-NICA experiment	AYALA TORRES, Marco Alberto
16:15	Development of online software tools for the TOTEM-CMS DAQ System	LEAL REYES, Nadia
16:30	A first approach to Loop-Tree Duality	AGUILERA VERDUGO, José de Jesús
16:45	Neutrino Scale Within a Universal Texture and Majorana Masses Model	HERNÁNDEZ ACOSTA, Jonathan Abel

Thursday 24 November 2022

AFTERNOON SESSION II: AFTERNOON SESSION II - Sala de Proyecciones (16:00-17:00)

- Conveners: Dr. Cuautle, Eleazar

time	title	presenter
16:00	Dark matter from effective couplings approach	CHÁVEZ MÉNEZ, Inti Ernesto
16:15	Inert Doublet-Triplet Model with Two Dark Matter Candidates	MELARA, Sheryl
16:30	Fermionic dark matter in a minimal Left-Right Model with mirror fermions	LAMPREA, Mario
16:45	Dark Sector of a Higgs Portal with Q4 symmetric matter	ESPINOZA-HERNANDEZ, Maria Catalina