

XV Latin American Symposium on High Energy Physics

November 4 - 8, 2024, Cinvestav, Mexico city

<https://indico.nucleares.unam.mx/event/2125/overview>

Plenary talks

Aristizábal, Diego: 'Coherent elastic neutrino-nucleus scattering'
Bazo, José: 'Status of SWGO'.
Bernardi, Gregorio: 'FCC'.
Cáceres, Elena: 'Black holes, holography'.
Camacho Toro, Reina: 'Higgs physics at LHC'.
Cieri, Leandro: 'QCD for colliders'.
Cottin, Giovanna: 'Long-lived particles'.
De la Macorra, Axel: 'DESI'.
Deshpande, Abhay: 'EIC'.
El Khadra, Aida: 'Muon g-2'.
Estrada, Juan: 'DM searches'.
Freitas, Ayres: 'SM EW fit'.
González, Magda: 'Exploring the extreme universe: key results from the HAWC observatory'.
Gorshteyn, Misha: 'First row CKM unitarity tests'.
Hernández Villanueva, Michel: 'Belle-II'.
Luña, Andrés: 'Amplitudes, the double copy, and black hole dynamics'.
Maldonado, Ivonne: 'NICA'.
Moreno, Claudia: 'Gravitational waves detection'.
Mulder, Mick: 'LHCb'.
Nunokawa, Hiroshi: 'New Physics with long baseline neutrino oscillations'.
Ochoa Ricoux, Pedro: 'Short baseline neutrino oscillations'.
Ortiz Velásquez, Antonio: 'ALICE'.
Restrepo, Diego: 'Neutrino masses and dark matter'.
Rosenfeld, Rogério: 'DES'.
Segreto, Ettore: 'DUNE'.
Shafi, Qaisar: 'Topological defects and gravitational waves'.
Tórtola, Mariam: 'Global neutrino fits and physics implications'.
Ureña, Luis: 'Ultra-light scalar dark matter'.
Velasco, Mayda: 'Electroweak physics at the LHC'.
Yaguna, Carlos: 'Dark matter'.

Astroparticle physics
Beyond the Standard Model physics
Cosmology and gravitation
Dark matter physics
Electroweak, Top and Higgs physics
Flavour physics and CP violation
Neutrino physics
New frontiers and computing in fundamental physics
QCD, QGP and Heavy ion physics
QFT, String, AdS/CFT
Outreach and Education

Local Organizing Committee

Alexis Aguilar Arévalo, Alejandro Ayala, Eduard De La Cruz Burelo, Manfred Kraus, Gabriel López Castro, Omar Miranda Romagnoli, Myriam Mondragón Ceballos, Pablo Roig (chair), Alberto Sánchez Hernández, Eric Vázquez Jáuregui.

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