



# L International Meeting on Fundamental Physics and XV CPAN days

## Monday, 2 October 2023

### CPAN - Red Temática de Astropartículas (RENATA): Bloque 1 - Aula Santo Mouro (15:00 - 17:00)

time	[id] title	presenter
15:00	[42] Search for sub-GeV dark matter - SuperCDMS and MIGDAL	LOPEZ ASAMAR, Elias
15:20	[86] DAMIC-M: Status and First results	LANTERO BARREDA, Agustin
15:40	[52] Status of the TREX-DM experiment at Canfranc Underground Laboratory (LSC)	PEREZ, Oscar
16:00	[72] Underground argon for rare event searches: DarkSide-20k and beyond	PESUDO FORTES, Vicente
16:20	[83] Nuclear recoil QF measurement for ANAIS-112	Dr CINTAS GONZÁLEZ, David
16:40	[39] A Bayesian analysis with Machine Learning of EFT Operators in Direct Dark Matter Detection	Dr PEREZ, Andres Daniel

### CPAN - Red Temática de Astropartículas (RENATA): Bloque 2 - Aula Santo Mouro (17:30 - 19:30)

time	[id] title	presenter
17:30	[51] BabyIAXO Micromegas detectors	DÍEZ IBÁÑEZ, David
17:50	[74] Neutrino Astronomy news from the Mediterranean Sea	SÁNCHEZ LOSA, Agustín
18:10	[75] Neutrino oscillations and beyond Standard Model searches with KM3NeT/ORCA6	LESSING, Nadja
18:30	[91] DUNE'S SENSITIVITY TO SOLAR NEUTRINOS	MANTHEY CORCHADO, Sergio
18:50	[92] The Photon Detection System of the DUNE experiment	Mr AMAR ES-SGHIR, Hamza
19:10	[65] Searching for neutrinoless double beta decay with the NEXT experiment	Dr SOLETI, Stefano Roberto

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## CPAN - Red Temática de Astropartículas (RENATA): Bloque 3 - Aula Santo Mouro (09:00 - 11:10)

time	[id] title	presenter
09:00	[24] Probing neutrino-antineutrino interactions via light gauge boson production in proto-neutron stars	CERMEÑO GAVILÁN, Marina
09:20	[27] Studying the Sterile Baryonic Neutrino Using Direct Detection and Spallation Source Experiments	Dr DE LOS RIOS, Martín
09:40	[88] Photon to axion conversion during Big Bang Nucleosynthesis	Dr ILLANA, Jose Ignacio
10:00	[89] Constraining new physics scenarios with COHERENT data	SANCHEZ GARCIA, Gonzalo
10:20	[82] Blind searches for continuous gravitational-wave signals: O3 LIGO-Virgo-KAGRA results and future developments	Dr TENORIO, Rodrigo
10:40	[120] The Einstein Telescope Project	MARTINEZ-PEREZ, Mario