

@FlipPhysics**Thursday 24 March 2022****Particle Physics (15:45-16:50)****-Conveners: Emma Torró Pastor (chair)**

time	[id] title	presenter
15:45	[119] Constraining the absolute neutrino mass via time-of-flight measurements of the Supernovae electron neutrinos with DUNE.	POMPA, Federica
15:58	[120] Extending the Reach of Leptophilic Boson Searches at DUNE and MiniBooNE with Bremsstrahlung and Resonant Production	Mr. CAPOZZI, Francesco
16:11	[122] Visible final-state kinematics in $b \rightarrow c \tau (\pi \nu_\tau, \rho \nu_\tau, \mu \bar{\nu}_\tau)$ reactions	Mrs. PENALVA, Neus
16:24	[134] Flavour Symmetry & Neutrino Masses	MEDINA, Omar
16:37	[136] Dark sector searches with Na64 experiment at CERN	Dr. MOLINA BUENO, Laura

Particle Physics (17:10-18:02)**-Conveners: Maria Moreno Llácer**

time	[id] title	presenter
17:10	[124] Probing the interaction of the Higgs boson and the top-quark to explore the origin of the masses of elementary particles.	CABRERA URBÁN, Susana
17:23	[125] Measurement of the quadruple-differential angular decay rates of single top quark produced in the t-channel at $\sqrt{s}=13$ TeV	CHITISHVILI, Mariam
17:36	[126] Design of an alpha contamination detector with high sensitivity	Mrs. QUINTANA, Ana
17:49	[123] Application of a quantum algorithm to Feynman loop integrals	Mrs. SELOMIT, Norma

Friday 25 March 2022

Particle Physics (09:00-10:45)

-Conveners: Emma Torr3 Pastor (Chair)

time	[id] title	presenter
09:00	[127] Searches for New Physics at neutrino experiments	Dr. COLOMA, Pilar COLOMA, Pilar
09:35	[130] Theoretical Aspects of Flavour Physics	HAGEDORN, Claudia Dr. HAGEDORN, Claudia
10:10	[128] Experimental Particle Physics with the ATLAS Detector	Prof. VINCTER, Manuella

Particle Physics (11:05-13:25)

-Conveners: Maria Moreno Ll3cer (chair)

time	[id] title	presenter
11:05	[129] Discovering the Compact Muon Solenoid Experiment at CERN	ALVAREZ GONZALEZ, Barbara
11:40	[131] Flavourful footprints towards TeV scale Physics	Dr. MURGUI, Clara
12:15	[132] Experimental Particle Physics (LHCb)	Dr. MARIN, Carla
12:50	[133] Axion and ALP landscape	Prof. GAVELA, Belen