



**DISCRETE 2018****Monday 26 November 2018****Plenary (09:00-10:45)****-Conveners: Jose Bernabeu**

time	[id] title	presenter
09:00	[130] Binary neutron star mergers: Observations and modelling in multimessenger astronomy era	PEREGO, Albino
09:35	[134] The Electric Dipole Moment of the Neutron and the PanEDM Experiment	Prof. FIERLINGER, Peter
10:10	[99] Overview on solar, geo, and reactor neutrino experiments	Prof. LUDHOVA, Livia

**Plenary (11:15-12:25)****-Conveners: Eberhard Widmann**

time	[id] title	presenter
11:15	[93] Electron EDM tests at ACME	Prof. GABRIELSE, Gerald
11:50	[116] Photonic Quantum Communication	Prof. ZEILINGER, Anton

**Plenary (14:00-16:20)****-Conveners: Johann Marton**

time	[id] title	presenter
14:00	[108] The European Strategy Update 2019/2020: Discussion on Priorities for Future Facilities	DE ROECK, Albert
14:35	[142] Laser spectroscopy of antihydrogen in ALPHA	RASMUSSEN, Chris
15:10	[100] Parity Violation in Atomic Systems	Prof. JUNGSMANN, Klaus
15:45	[120] Pushing the Energy and Cosmic Frontiers with High-Energy Astrophysical Neutrinos	Dr BUSTAMANTE, Mauricio

# Tuesday 27 November 2018

## Plenary (09:00-10:10)

**-Conveners: Claude Amsler**

time	[id] title	presenter
09:00	[60] Experimental Neutrino CP violation searches	ZITO, Marco
09:35	[45] Vacuum Induced CP Violation Generating a Complex CKM Matrix with Controlled Scalar FCNC	Dr NEBOT GOMEZ, Miguel

## Plenary (10:40-11:50)

**-Conveners: Antonio Di Domenico**

time	[id] title	presenter
10:40	[98] Protecting the Stability of the EW Vacuum	BRANCHINA, Vincenzo
11:15	[38] Tests of discrete symmetries in positronium decays with the J-PET detector	Dr CZERWIŃSKI, Eryk

# Wednesday 28 November 2018

## Plenary (09:00-10:45)

**-Conveners: Jeanette Miriam Lorenz; Niki Saoulidou**

time	[id] title	presenter
09:00	[72] Theoretical status of Flavor Anomalies	Dr FUENTES-MARTIN, Javier
09:35	[111] Collider physics at the intensity and energy frontier -- the HL-LHC and beyond	MELONI, Federico
10:10	[135] Higgs boson physics at LHC	SALERNO, Roberto

## Plenary (11:15-12:25)

**-Conveners: Vasiliki Mitsou**

time	[id] title	presenter
11:15	[114] Supersymmetry: Nil Carborundum	ELLIS, John
11:50	[125] Natural Supersymmetric Twin Higgs	BADZIAK, Marcin

# Thursday 29 November 2018

## Plenary (09:00-10:45)

**-Conveners: Margarida Nesbitt Rebelo Da Silva; Margarida Nesbitt Rebelo**

time	[id] title	presenter
09:00	[61] Global overview on neutrino masses, mixings and CP violation	Dr TÓRTOLA, Mariam
09:35	[22] PT-symmetric quantum field theory	Prof. BENDER, Carl
10:10	[54] Unidirectional Reflectionless Transmission of Light with and without PT Symmetry	Prof. STONE, A. Douglas

## Plenary (11:15-12:25)

**-Conveners: Gustavo Branco**

time	[id] title	presenter
11:15	[73] Spinor-vector duality and sterile neutrinos in string derived models	Prof. FARAGGI, Alon
11:50	[97] Globally Consistent F-theory Standard Models with Matter Parity	CVETIC, Mirjam