



# Invisibles 19

## Monday 10 June 2019

### PhD Forum (10:00-10:30)

**-Conveners: Elena Aprile**

time	[id] title	presenter
10:00	[49] Shapes of Self-Interacting Dark Matter	PARIKH, Aditya
10:06	[52] Direct detection of strongly interacting sub-GeV dark matter via electron recoils	SHOLAPURKAR, Mukul
10:12	[54] LUX Mirror Dark Matter Search	LEASON, Elizabeth
10:18	[56] On the direct detection of multi-component dark matter	SCAFFIDI, Andre
10:24	[58] Solar WIMP Annihilation Search with IceCube	LAZAR, Jeffrey

### PhD Forum (15:30-16:00)

**-Conveners: Yasaman Farzan**

time	[id] title	presenter
15:30	[61] Photon propagation in the system which magnetic fields and axion dark matter coexist	MASAKI, Emi
15:36	[64] Searching for High-Energy Neutrino Emission from TeV Pulsar Wind Nebulae	LIU, Qinrui
15:42	[66] Local 21 cm signal from Primordial Black Holes	VILLANUEVA DOMINGO, Pablo
15:48	[68] Observable signatures of dark photons from supernovae	DEROCCO, William
15:54	[70] The Recoil Directionality Experiment	SANFILIPPO, Simone

# Tuesday 11 June 2019

## **PhD Forum (10:00-10:30)**

**-Conveners: Concha Gonzalez-Garcia**

time	[id] title	presenter
10:00	[74] Minimal Modular Invariant Models of Neutrino Masses	KING, Simon
10:06	[75] Neutrino Portals to Dark Matter	ROSAURO, Salvador
10:12	[78] A dark neutrino sector below the electroweak scale	HOSTERT, Matheus
10:18	[81] The minimal inverseType III See-saw models	FILACI, Manuele
10:24	[84] SU(5) Grand Unified Theory with A <sub>4</sub> Modular Symmetry	PERDOMO, Elena

## **PhD Forum (15:30-16:00)**

**-Conveners: Enrique Fernandez-Martinez**

time	[id] title	presenter
15:30	[76] Dense Neutrino Oscillations : 3 Flavor Analysis	CHAKRABORTY, Madhurima
15:36	[77] Neutrino Oscillation Constraints from the NOvA Experiment	SINGH, Prabhjot
15:42	[79] Approaching the neutrino mass problem with the DUNE Near Detector	BOSCHI, Tommaso
15:48	[80] Recent neutrino-Argon scattering results from MicroBooNE	BALASUBRAMANIAN, Supraja
15:54	[82] Search for a low energy excess in MicroBooNE	FOPPIANI, Nicolò

## **PhD Forum (17:40-18:10)**

time	[id] title	presenter
17:40	[83] Atmospheric neutrinos at DUNE	TERNES, Christoph Andreas
17:46	[85] Indian Scintillator Matrix for Reactor Anti-Neutrino Detection	MULMULE, Dhruv
17:52	[86] Proposal for the joint neutrino oscillation analysis using data from the T2K and reactor experiments within the VALOR framework	ANTONOVA, Maria
17:58	[87] High-energy Galactic neutrinos and their sources	CATALDO, Maddalena
18:04	[88] Can axion-like particles explain the anomalous ANITA events?	ESTEBAN, Iván

# Wednesday 12 June 2019

## **PhD Forum (10:00-10:30)**

**-Conveners: Laura Baudis**

time	[id] title	presenter
10:00	[50] ALPs dark matter detection	CAPUTO, Andrea
10:06	[51] Relic neutrino clustering in the Milky Way reloaded	PARIMBELLI, Gabriele
10:12	[53] The Minimal Flavour Violating Axion as dark radiation	ARIAS ARAGÓN, Fernando
10:18	[55] Shining light on the Scotogenic model	BAUMHOLZER, Sven
10:24	[57] Towards a way to distinguish between IHDM and the Scotogenic model at CLIC	MATURANA, Ivania

# Thursday 13 June 2019

## PhD Forum (10:00-10:30)

-Conveners: Steve King

time	[id] title	presenter
10:00	[59] Baryogenesis and dark matter from B meson oscillations mediated by a light bino	ALONSO-ÁLVAREZ, Gonzalo
10:06	[60] Non-minimal flavour violation in $A_4 \times SU(5)$ SUSY GUTs	ROWLEY, Sam
10:12	[62] Dynamical gravitational corrections to the conformal anomaly	SANTOS, Raquel
10:18	[63] Automatic Peccei-Quinn symmetry	QUILEZ, Pablo
10:24	[65] A Combined Analysis of LHC and Electroweak Precision Data within the framework of EFT	ROSA AGOSTINHO, Nuno

## PhD Forum (15:30-16:00)

-Conveners: Oscar Eboli

time	[id] title	presenter
15:30	[67] Dark Sector Physics with Belle II	BERTEMES, Michel
15:36	[69] Global fits for LHC Run II and the HE-LHC	BIEKOETTER, Anke
15:42	[71] Revisiting Axion-Like Particle production at B-factories	POBBE, Federico
15:48	[72] Vector-Like Quarks within the Minimal Linear Sigma Model	ALONSO GONZÁLEZ, Javier
15:54	[73] Unitarization effects in EFT predictions of WZ scattering at the LHC	GARCIA-GARCIA, Claudia