

-----DM workshop program-----

May 10, 1st day

8:45-9:30 Registration

9:30-10:20-- Astro

“Strong Lensing Constraints on Dark Matter” -- M. Makler (20 +5)

“The Role of Dark Matter in Galaxy Formation” -- T. Signorini-Gonçalves (20 +5)

Coffee Break

10:45-12:30-- Indirect searches

“Indirect dark matter search with charged cosmic rays” -- V. Poireau (20 +5)

“Dark Matter Searches with AMS02 antiprotons”-- A. Cuoco (20 +5)

“Indirect DM searches with gamma-rays : status and future plans from KeV to TeV”--A. Morselli (20 +5)

“Indirect DM searches with Cherenkov light telescopes”--U. Barres de Almeida (20 +5)

14:00--15:00

IFT Colloquium (T. Volansky)

15:30--16:30-- Particle

“Sommerfeld effects and bound state formation in Dark Matter models.”--M. Taoso (15 +5)

“Dark matter content in Inert Higgs Doublet Model” -- B. Koch (15 +5)

“Dark Matter from Non-Standard Cosmology”-- B. Dutta (15 +5)

17:00-18:30

Poster Session

May 11, second day

9:30-10:30 -- “Light” Indirect

“Astrophysical searches for axions and axionlike particles at gamma-ray energies”-- M. Meyer (23+ 7)

“Indirect search of Dark Matter with a High Energy Neutrino Telescope”--A. Capone (23+ 7)

Coffee Break

11-12:00 -- Phenomenology

“Going Beyond WIMPs: New Avenues in the Search for Dark Matter (Sub-GeV DM)”--T.Volansky (23+ 7)

“A step towards the Nature of Dark Matter with Direct Detection Experiments”--F. Queiroz da Silva (20 + 5)

14:15-15:20-- Direct Detection--experimental

“Direct Dark Matter Detection, Status and Outlook”--G. Gelmini (23+ 7)

“Current status of the DAMIC experiment”--D. Torres Machado (20+ 5)

“Dark Matter Direct Detection with the DarkSide Experiment”-- I. Albuquerque (20+ 5)

Coffee Break

15:45-16:45-- Neutrinos and exotic in DM

“Hidden photons and other exotic dark matter candidates with DAMIC”--J.R. Torres de Mello Neto (15 + 5)

“Dark Matter and Exotic Neutrino Interactions in Direct Detection Searches”--Y.F. Perez Gonzalez (15 +5)

“The COherent Neutrino Nucleus Interaction Experiment (CONNIE)”--I.Nasteva (15 +5)

17:15--19:00

ANDES Round Table

Panelists: Claudio Dib, Graciela Gelmini, Ronald Shellard

May 12, third day

9:30-10:30-- Particle theory

“New trends in dark matter effective field theory”-- G. Grilli (23 + 7)

“Dark Matter and Neutral Naturalness”--G. Burdman (23 + 7)

Coffee Break

11:00-12:00-- Particle Experimental (colliders)

“DM searches with ATLAS”-- T. Min Hong (23 + 7)

“Search for dark matter in CMS”-- S. Kunori (23 + 7)

14:00-14:40-- Astro

“Dark matter distribution in dwarf disk galaxies”-- E. Karukes (15 +5)

“Dark Matter distribution in the Galactic bulge”-- M. Benito (15 +5)

14:45-16:00-- Open discussion

For travelling participants:

we guarantee we will keep the start time 9:30am on May 10, and the end time 4pm on May 12.