

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

**May 10, 1st day**

**8:45-9:30 Registration**

**9:30-10:20-- Astro + indirect**

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

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

***Coffee Break***

**10:45-12:30-- Indirect searches**

“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)

“Dark matter annihilation vs. astrophysics: the gamma-ray signal from the dwarf galaxy Reticulum II” -- A. Geringer-Sameth (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**

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**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

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**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. M. Hong (23 + 7)

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

**14:00-15:00-- Astro**

“The Role of Dark Matter in Galaxy Formation” -- T. Signorini-Gonçalves (15 +5)

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

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

**15:00-16:00-- 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.