

ENTApP DM workshop, CERN-TH, 02-06 February 2009

Talks take place in the TH conference room except on monday afternoon (room 304-1-001).
Morning Review sessions start at 10 am. Afternoon talks by participants start at 4.30 pm.
Coffee is served at 9.30 am and 4 pm in the TH Common room.

Monday 02 February 2009 : PAMELA/ATIC

10:00-12:00 Review talks - Theory Conference Room. Chair: L. Roszkowski

- M. Schubnell : Measurement of Cosmic-Ray Positrons and Electrons – an Experimentalist's Point of View.

- P. Salati : Positron flux from DM annihilation

16:30-17:30 Talks by participants - Room 304-1-001. Chair: G. Servant

- N. Sahu: Gauge Singlet Dark Matter and ATIC/PAMELA positron excess

- D. Tran: Cosmic-Ray Anomalies and Decaying Dark Matter

Tuesday 03 February 2009 :

10:00-12:30 Review talks - Theory Conference Room. Chair: G. Servant

Direct searches + galactic radiation as background to indirect DM searches

- I. Moskalenko: Understanding the backgrounds in indirect dark matter searches

- A. Strong: Galactic diffuse gamma rays: experimental status

- L. Baudis: status of direct experimental searches for DM

16:30-17:30 Talks by participants - TH Theory Conference Room. Chair: T. Riotto

- S. Palomares-Ruiz: Testing Dark Matter with Neutrino Detectors

- Y-L. Tsai & T. Varley: direct and indirect detection based on Non-Universal Higgs Model

- P. Naranjo: WMAP Dark Matter Constraints on Yukawa Unification with Massive Neutrinos

Wednesday 04 February 2009

10:00-12:00 Review talks - Th. Conference Room: DM halo models. Chair: J. Lesgourgues

- C. Frenk

- L. Strigari

16:30-17:45 Talks by participants - TH Theory Conference Room. Chair: J. Wells

- F. Nesti: Dark Matter from Unified Models of Gravity

- M. Lola: Gravitino dark matter in R-violating supersymmetry

- N-E Bomark: R-violating gravitinos: Cosmological implications and LHC phenomenology

- S. Kraml: Neutralino relic density from ILC measurements in the CPV MSSM

Thursday 05 February 2009

10:00-12:30 Review talks - Th. Conference Room: DM in early universe + DAMA/LIBRA claim. Chair: G. Giudice

- G. Gelmini: DM and the pre-BBN era

- T. Schwetz-Mangold: DAMA/LIBRA claim and WIMP properties

- V. Kudryavtsev: Spectrum of background events in a dark matter experiment and DAMA result

16:30-17:45 Talks by participants -- Room 304-1-007. Chair: J. Lesgourgues

- A. Mirizzi: Cosmological constraints on neutrino plus axion hot dark matter

- O. Boiarskiy & O. Ruchayskiy: Cosmological and astrophysical bounds on the keV mass dark matter.

- Z. Berezhiani: Unified picture of the dark matter and baryogenesis

Friday 06 February 2009: Theoretical tools to study DM + LHC connection

10:00-12:30 Review talks- Theory Conference Room. Chair: L. Roszkowski

- G. Belanger : On micromegas

- R. Trotta: Statistical inference methods for SUSY methodology

- H. Baer: DM and the LHC connection