

# DARK MATTERS PROGRAM

Location: Salle Solvay – Building NO – 5<sup>th</sup> Floor – Université Libre de Bruxelles –  
Campus Plaine.

Wednesday May 18th

Morning Chair: Peter Tinjakov

## *8h30 Registration & Opening*

9h30 “*Concordance cosmological model and variations*” O. Lahav (U. College London)  
10h20 “*Dark matter I*” J. Silk (Oxford U., UK)

## *11h10 Coffee break*

11h40 “*Redshift surveys as cosmological laboratories*” O. Lahav

## *12h30 Lunch*

Afternoon Chair: Catherine De Clercq

14h00 “*Dark matter II*” J. Silk  
14h50 “*Deconstructing the concordance model*” A. Blanchard (Obs. Midi Pyrénées)

## *15h40 Coffee break*

16h00 “*Dark matter: overview of direct and indirect searches*” G. Gerbier (DAPNIA, Saclay)  
16h50 “*Recent development related to the Dark Matter crisis*” C. Boehm (CERN)

Thursday May 19<sup>th</sup>

Morning Chair: Jean Orloff

9h00 “*Status of Inflation I*”

J. Garcia Bellido (Autonoma,  
Madrid)

9h50 “*Cosmological Constant*”

A. Dolgov (INFN)

10h40 *Coffee break*

11h10 “*Modifying Gravity I*”

V.A. Rubakov (INR)

12h00 “*Status of Inflation II*”

J. Garcia Bellido

12h50 *Lunch*

Afternoon Chair: Antoine Van Proeyen

14h00 “*Surprises with scalar-tensor theories*”

Ph. Brax (SPHT, Saclay)

14h50 “*Cosmic F and D strings*”

E. Copeland (U. of Nottingham)

15h40 *Coffee break*

16h00 “*Indirect Evidence for Dark Matter Annihilation from the EGRET Excess of Diffuse Galactic Gamma Rays*”

W. de Boer (U. Karlsruhe)

16h50 “*Everlasting Lambda*”

R. Brout (ULB)



20h00 *Workshop banquet*



Friday May 20<sup>th</sup>

Morning Chair: Frank Ferrari

9h00 “*Modifying Gravity II*”

V.A. Rubakov

9h50 “*Relativistic MOND Gravitation*”

J. Bekenstein (Hebrew U.)

*10h40 Coffee break*

11h00 “*DGP gravity and Cosmology*”

C. Deffayet (Orsay, France)

11h50 “*Cosmological initial conditions: an effective action approach*” M. Porrati (NYU)

*12h40 Lunch*

Afternoon Chair: Alexandre Sevrin

14h00 “*Modified Gravity (MG) & ghosts*”

M. Luty (Maryland U.)

14h50 “*Phases of MG*”

S. Dubovskiy (Cern, Switzerland)

*15h40 Coffee break*

16h00 “*Modified Gravity (MG) & strong coupling*”

R. Rattazzi (CERN)



Closing

