

Session Program

4-6 Nov 2009

CERN Theory Group Retreat

Beyond the Standard Model session

Les Houches Centre de Physique

Thursday 5 November

09:00

Beyond the Standard Model session

Session | Location: Les Houches Centre de Physique

09:00–09:05 Introduction (cosmo)

Speaker

Julien Lesgourgues

09:05–09:20

Non-gaussian cosmological perturbations: The inflationary trispectrum

Speaker

Sloth Martin

09:20–09:35

Apparent acceleration without Dark Energy: Large voids in the universe

Speaker

Alessio Notari

09:35–09:50

DM indirect detection and possible Pamela/Fermi excess: Constraints from the reionization history of the universe

Speaker

Marco Cirelli

09:50–10:05

Supernovae as a laboratory for particle physics: Non-linear self-refraction effects of neutrinos

Speaker

Pasquale Serpico

10:05–10:20

Probing Higgs physics with cosmology: The GW spectrum from 1st order phase transitions

Speaker

Thomas Konstandin

10:20–10:50 Coffee break

10:50–10:55 Introduction (particles)

Speaker

Gian Giudice

10:55–11:10

Approaches to the Hierarchy problem: Old and new

Speaker

michele Redi

11:10–11:25

Inflation on the brane with vanishing gravity

Speaker

Rakhi Mahbubani

11:25-11:40

Buried or charming Higgs and the little hierarchy problem

Speaker

Andreas Weiler

11:40-11:55

Simple Z' models in the early LHC

Speaker

Giovanni Villadoro

11:55-12:10

Discovering physics BSM at the LHC

Speaker

Ben Matthew Gripaios

13:00