

# **$\nu$ TheME: Neutrino Theory, Models, and Experimental perspectives**

**Monday, September 13, 2010 - Wednesday, September 22, 2010**

**CERN**

## **Scientific Program**

For each main topic a review talk and an organized discussion have taken place. In addition, we had some contributed talks and ample time for informal discussions. The topics, speakers and discussion moderators are reported below. The slides of the talks are linked, when available.

### **Phenomenology of neutrino oscillations**

Talk on experimental perspectives in measuring mixing parameters, by P. Huber

Talk on theoretical desiderata in measurements of mixing parameters, by W. Rodejohann.

Discussion lead by M.C. Gonzalez-Garcia.

### **Neutrinoless double beta decay**

Talk on Standard and exotic mechanisms and their tests, by M. Hirsch.

Discussion lead by H. Pas.

### **Neutrino mass models**

Overview Talk by F. Feruglio

Discussion lead by Mu-Chun Chen (see the slides prepared by S. King and G. Altarelli).

Contributed talks on this subject were also given by J. Hosek, H. Paes, and M. Satriawan

### **Lepton Flavour Violation and neutrino physics**

Talk by V. Cirigliano.

Discussion lead by Stefan Antusch.

A contributed talk on this subject was also given by T. Hambye.

### **Leptogenesis and TeV-scale alternatives for baryogenesis**

Overview talk on Leptogenesis by E. Nardi.

Discussion lead by Y. Nir.

### **Neutrino astrophysics and cosmology**

Overview Talk on neutrino Cosmology by S. Pastor.

Discussion lead by Y. Wong.

See also contributed talks by A. Kusenko and A. Dighe

Finally, we had an overview talk Big World of Little Neutrinos by H. Murayama, within the **Theory Seminar Program**.