



# ORCA Workshop

## mercredi 17 avril 2013

### Perspectives in Mass Hierarchy Measurements - Amphi Pierre-Gilles de Gennes (14:00 - 18:30)

-Présidents de session: Véronique Van Elewyck

| time  | [id] title  | presenter          |
|-------|---|--------------------|
| 14:00 | [3] Overview on the phenomenology of neutrino oscillations and mass hierarchy | S. PASCOLI         |
| 14:30 | [4] Neutrino mass hierarchy in the atmospheric sector : Earth matter effects  | S. PALOMARES-RUIZ  |
| 15:00 | [5] Neutrino mass hierarchy with atmospheric neutrinos in ORCA and PINGU      | M. RIBORDY         |
| 15:30 | [6] Neutrino mass hierarchy with supernovae                                   | C. VOLPE           |
| 16:00 | COFFEE BREAK  |                    |
| 16:30 | [7] Very long baseline neutrino experiments and mass hierarchy                | F. VISSANI         |
| 17:00 | [8] A long baseline beam from Protvino to ORCA                                | J. BRUNNER         |
| 17:20 | [9] LAGUNA perspectives for neutrino mass hierarchy measurement               | M. BUIZZA-AVANZINI |
| 17:40 | [11] Recent results from Cosmology  | J. RICH            |

# jeudi 18 avril 2013

## Perspectives in Mass Hierarchy Measurements - Amphi Pierre-Gilles de Gennes (09:00 - 10:20)

-Présidents de session: Véronique Van Elewyck

| time  | [id] title  | presenter         |
|-------|---|-------------------|
| 09:00 | [10] Neutrino mass hierarchy in reactor neutrino experiments  | P. NOVELLA GARIJO |
| 09:20 | [12] PINGU overview   | R. SHANIDZE       |
| 09:50 | [13] "Mass hierarchy discrimination with atmospheric neutrinos in large volume ice/water Cherenkov detectors : a toy MC approach" | A. MEREGAGLIA     |