



# Gamma-Ray Bursts in the Multi-messenger Era

## mardi 17 juin 2014

### Particle acceleration & UHECR - IGP : Salle des séminaires (09:00 - 12:40)

| time  | [id] title   | presenter               |
|-------|--|-------------------------|
| 09:00 | [92] Particle Acceleration Mechanisms  | Dr LEMOINE, Martin      |
| 09:45 | [93] Acceleration of UHECR at GRB internal shocks  | M. ALLARD, Denis        |
| 10:05 | [94] Improved ultra-high energy cosmic ray and neutrino predictions from gamma-ray bursts                | M. BUSTAMANTE, Mauricio |
| 10:25 | Coffee break   |                         |
| 10:55 | [95] GRBs and UHECRs   | Dr INOUE, Susumu        |
| 11:40 | [96] Getting a handle on the nature of long GRB jets   | Dr BROMBERG, Omer       |
| 12:00 | [97] Radiation from accelerated particles in relativistic jets with shocks, shear-flow, and reconnection | Dr NISHIKAWA, Kenichi   |
| 12:20 | [98] How bad is the external shock afterglow model for gamma-ray bursts?                                 | M. WANG, Xianggao       |