

LHC meets Cosmic Rays

Lectures

- Introduction to Cosmic Rays
- Extensive Air Showers
- Atmospheric Lepton Fluxes
- Air Shower Simulations
- Accelerator Data
- Hadron Interaction Models

Hands-on exercises with:
CORSIKA, CRMC, MCEq

Speakers

- Valentina Avati (CERN)
- Francesca Bellini (CERN)
- David Berge (Berlin)
- Lorenzo Cazon (LIP)
- Hans Dembinski (Heidelberg)
- David d'Enterria (CERN)
- Anatoli Fedynitch (Berlin)
- Stefan Gieseke (KIT)
- Menjo Hiroaki (Nagoya)
- Kumiko Kotera (Paris)
- Paolo Lipari (INFN, Roma)
- Sergey Ostapchenko (Frankfurt)
- Etienne Parizot (Paris)
- Tanguy Pierog (KIT)
- Felix Riehn (LIP)
- Torbjörn Sjöstrand (Lund)
- Michael Unger (KIT)
- Klaus Werner (Nantes)

Organization

- Anna Di Ciaccio
- Ralph Engel
- Alfredo Ferrari
- Jörg Hörandel
- Tanguy Pierog
- Albert de Roeck
- Ralf Ulrich

Oct 28 – Nov 2
at CERN

