

2013

La Thuile, Aosta Valley  
Italy

March 2 - 9

- **Electroweak Interactions and Unified Theories**

Study and properties of the BEH-like new boson. Searches for beyond the Standard Model physics: supersymmetry, rare processes, extradimensions, ... Flavour physics and CP violation. Neutrino physics. Astroparticle physics. Searches for axions, dark matter and dark energy candidates. Cosmological implications. Precision tests.

March 9 - 16

- **Very High Energy Phenomena in the Universe**

High energy Gamma Ray Astronomy. Gamma Ray Bursts. Compact objects. Ultra High Energy Cosmic Rays. Origin and Propagation of Cosmic Rays. High Energy Neutrino Astronomy. Dark Matter, direct and indirect searches.

- **QCD and High Energy Interactions**

Production and Properties of the Higgs Boson. Searches for New Physics. Phenomenology of Physics Beyond the Standard Model. Properties of the Top quark. Production and decay of b and c quarks. High pT QCD physics. Heavy Ion collisions. Recent developments in QCD. New theoretical developments in particle physics. Small x, saturation, forward and spin physics.

