

# 4th Summer School on THE PHYSICS OF LHC



**Monday, 14 June 2010 - Saturday, 19 June 2010**

**Palazzo Palmieri - Martignano, Grecia Salentina (Lecce, Italy)**

## Scientific Programme

## **Lecture topics:**

### **Theory**

QCD and Monte Carlo tools for the LHC

EWSB, Higgs and New Physics at the LHC

Flavour Physics

Heavy Ion Physics

### **Experiment**

The LHC accelerator: current performance and prospects

Trigger commissioning

Calibration and alignment: tracking, particle id, muons, calorimetry

Data analysis and distributed computing

Results of preliminary analyses of the LHC experiments