

# **LC09**

**Monday, September 21, 2009 - Thursday, September 24, 2009**

**INFN Sezione di Perugia and Dipartimento di Fisica, Università di Perugia**

## **Scientific Program**

This workshop is meant to review the physics opportunities that e+e- collisions at the TeV scale would provide.

This meeting will in particular be devoted to review and update the status of the theory, phenomenology and some experimental issues for both leptonic and photonic collisions at the TeV scale. Topics include: Higgs and Top Physics, Electroweak Interactions, LoopVerein, Photon-Photon Collisions, Vector-Boson Fusion, Monte Carlo Event Generators, Supersymmetry and Other Beyond the Standard Model Theories and Dark Matter.

This event is linked to the previous conferences ILC Physics in Florence and LC08 in Frascati, and takes place in the context of the activities of the Italian particle physics community involved in theoretical and phenomenological studies of the physics potential of a future TeV scale Linear Collider, in order to assess how it can best contribute during the crucial upcoming years to obtaining final approval of this machine.