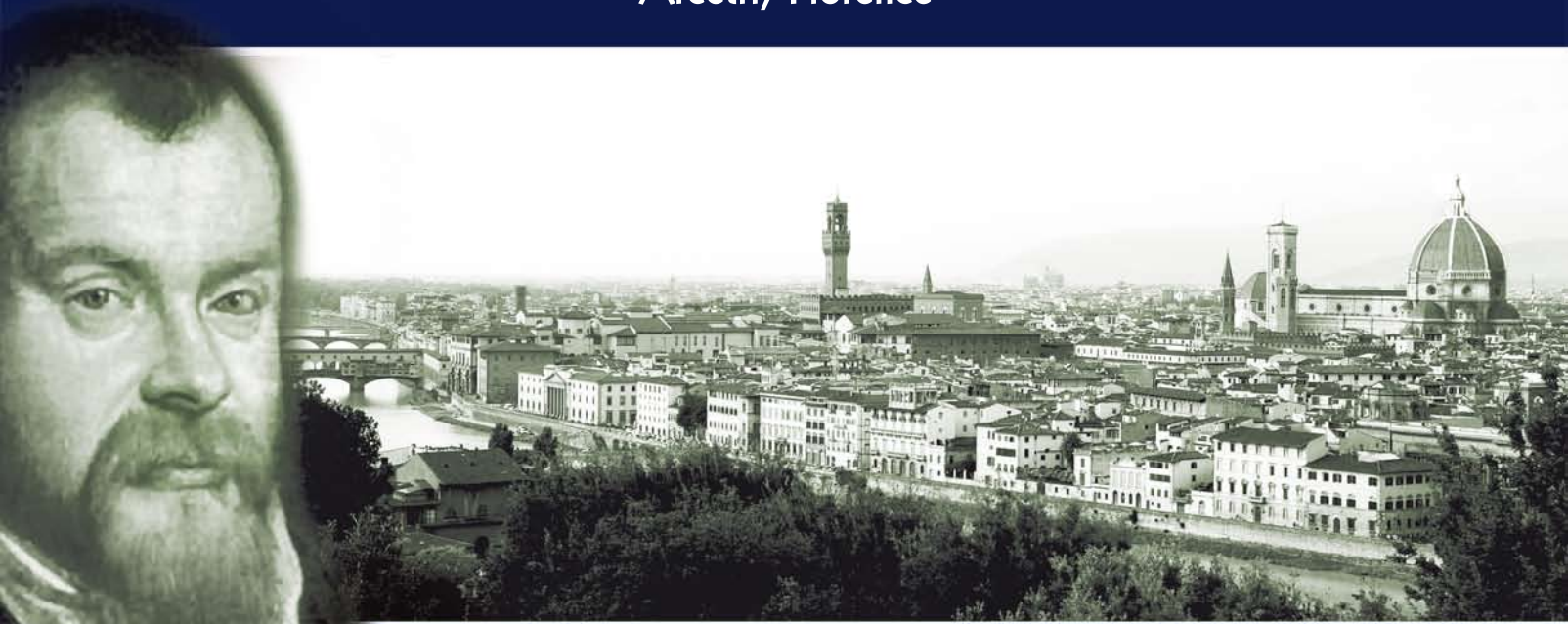




The Galileo Galilei Institute for Theoretical Physics Arcetri, Florence



Galileo Galilei

Interpreting LHC Discoveries

October 31, 2011 - November 25, 2011

Relevant data from the LHC is expected to become available by the end of 2011. This unique and long awaited moment presents special challenges, as early analyses may have to face the "bottom-up" problem of mapping potential signals to their underlying theory in the presence of limited statistics and uncertainties on SM backgrounds. Such a non trivial task will need a close collaboration of the experimental, QCD and Monte Carlo simulation phenomenology and model building communities. This workshop will provide a fertile ground to undertake such analyses by gathering a critical mass of experts in the above fields at what promises to be an exciting time for particle physics.

A conference during the second week of the workshop (November 8-11, 2011) will be aimed at presenting the latest updates as a basis for the activities of the rest of the workshop.

The main topics of the workshop include:

- Data analysis and interpretation
- QCD and SM background studies
- Early new physics signals
- Electroweak symmetry breaking
- Strategies for future searches
- Dark matter
- Rare decays

Organizing Committee:

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Andrea Romanino, SISSA, Italy
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