

# PHYSIKALISCHES KOLLOQUIUM

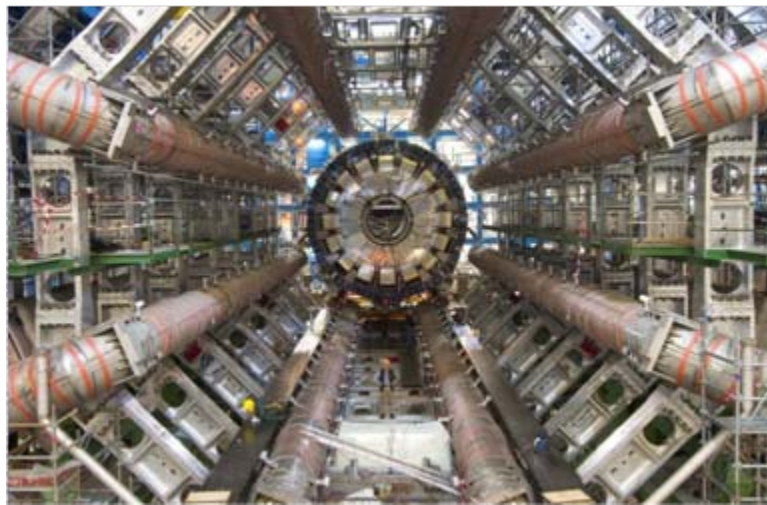
Mittwoch, den 10.11.2010, um **15:30 Uhr**

Ort: Reichenhainer Str. 90; Neues Hörsaalgebäude, Raum: 2/N013



## Prof. Dr. Thomas Naumann

Deutsches Elektronen-Synchrotron DESY  
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## Big Bang in the Lab - Physics at the LHC

We first discuss the physics goals of the largest research project of mankind, the Large Hadron Collider LHC at CERN in Geneva: the search for the Higgs particle as the origin of mass and the search for Supersymmetry which may explain the mysterious Dark Matter in the Universe as well as the quest for Extra dimensions.

Then the accelerator, the experiments and the data analysis are described. Finally, first physics results on the substructure of quarks are given.

Alle Zuhörer sind ab 15:15 Uhr zum Kaffee vor dem Hörsaal eingeladen.