



# ISAPP 2011 Summer School in HEIDELBERG

## European Doctorate School

### 8-15 July 2011

<http://www.mpi-hd.mpg.de/ISAPP2011/>

Standard Model of elementary particles (precourse)

    Cosmology (precourse)

    Neutrinos as dark component of the Universe

    Cosmological structure formation

        Dark energy

    Direct Dark Matter detection

        Dark Matter at the LHC

    Indirect Dark Matter detection

        Dark Matter phenomenology

        Sterile neutrinos as Dark Matter

    Non-supersymmetric Dark Matter candidates

        Supersymmetric Dark Matter candidates

        Axions as Dark Matter

# The dark side of the Universe

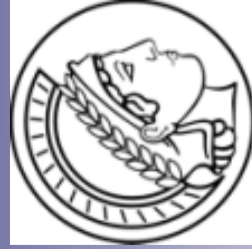
Local Organizing Committee

E. Akhmedov, A. Bemeiser, C. Buck, A. Dueck, W. Hampel, G. Heusser, A. Kartavtsev, M. Lindner (chair), W. Rodejohann, B. Schwarz, T. Schwetz, H. Simgen, A. Smolnikov

Sponsored by

Max-Planck-Institut für Kernphysik

IMPRS "Precision Tests of Fundamental Symmetries"



Lecturers:

L. Amendola, M. Cirelli, C. de los Heros, J. Jochum,

A. Masiero, T. Plehn, G. Raffelt, W. Rodejohann,

T. Schwetz-Mangold, G. Servant, M. Shaposhnikov,

V. Springel, Y. Wong

The summer school will take place at the Max-Planck-Institut für Kernphysik in Heidelberg.

Further details can be found on the school's web page at

<http://www.mpi-hd.mpg.de/ISAPP2011/>

Max-Planck-Institut für Kernphysik, Heidelberg

