



# 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

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Local Organizing Committee

E. Akhmedov, A. Berneiser, 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

