

Helmholtz Alliance for Astroparticle Physics

Dark Matter: A Light Move

Mission: to explore and gather ideas about searching for Dark Matter candidates with sub-eV masses, most prominently the axion and other weakly interacting slim particles (WISPs).

Program:

- Theoretical motivation for WISPy cold dark matter
- Evidence of dark matter and peculiar features of WISPy candidates
- Current axion dark matter experiments
- Prospects for new experiments (cavities, dish antenna searches...)
- Experimental techniques and challenges (low background detectors, magnetic fields...)

Scientific coordination:

Igor Irastorza, U. Zaragoza
Jörg Jäckel, U. Heidelberg
Axel Lindner, DESY

Babette Döbrich, DESY (chair)
babette.doebrich@desy.de

Andrei Lobanov, MPIFR
Andreas Ringwald, DESY

Javier Redondo, MPP&LMU (chair)
redondo@mpp.mpg.de

DESY Hamburg
June 17-18, 2013



<http://indico.desy.de/event/dm-light-move>



The Helmholtz Alliance for Astroparticle Physics
supports Equal Opportunities

www.hap-astroparticle.org

