



"The Ultra-Light Frontier"
15 - 19 June 2015
Timetable

Monday 15 June 2015

09:45 - 10:30 Registration/Coffee/Light Breakfast

Chair: Dmitry Budker

10:30 - 10:40	Surjeet and Dima	Welcome
10:40 - 11:20	Georg Raffelt	Axion Landscape
11:20 - 12:00	Derek Jackson Kimball	CASPER: the Cosmic Axion Spin Precession Experiment
12:00 - 14:30	Lunch Break	

Chair: Surjeet Rajendran

14:30 - 15:30	Yannis Semertzidis	Towards a resolution of the Strong CP-problem: proton EDM and axions
15:30 - 16:00	Maria Simanovskaia	Axion Dark Matter eXperiment - High Frequencies
16:00 - 16:30	Break - Coffee will be provided at the MITP Lounge	

Dinner on your own

Tuesday 16 June 2015

Chair: Derek Kimball

09:30 - 10:00	Good Morning - Coffee at the MITP Lounge	
10:00 - 10:45	Surjeet Rajendran	Cosmological Relaxation of the Electroweak Scale
10:45 - 11:30	Michael Romalis	Precision measurements with an atomic co-magnetometer at the South Pole
11:30 - 12:00	John Blanchard	Searching for Ghosts with NMR: Experimental Aspects of CASPER
12:00 - 12:30	Josef Pradler	Ultra-ultra-light Axions
12:30 - 15:30	Lunch Break	
15:30 - 16:00	Cookies at the Institute for Nuclear Physics	
16:15 - 17:00	Prof. Victor Flambaum	Colloquium: New Effects of Dark Matter which are Linear in the Interaction Strength

followed by wine and pretzels

Wednesday 17 June 2015

Chair: Nate Leeper

09:30 - 10:00	Good Morning - Coffee at the MITP Lounge	
10:00 - 11:00	Maxim Pospelov	From 10^{-20} to 10^{-60} eV: looking for dark matter over a broad range of possibilities
11:00 - 11:30	Szymon Pustelny	Global Network of Optical Magnetometers for Exotic physics
11:30 - 12:00	Lutz Trahms	Nuclear spin precession in ultra low fields - a probe for physics beyond the standard model
12:00 - 16:00	Break	
16:00	Excursion	

followed by a dinner together

Thursday 18 June 2015

09:30 - 10:00 Good Morning - Coffee at the MITP Lounge

Chair: Alex Sushkov

10:00 - 10:45	Andreas Ringwald	Hints for hunts of axions
10:45 - 11:15	Nathan Leeper	New physics searches with atomic dysprosium
11:15 - 12:00	Harald Merkel	Search for dark photons at MAMI and MESA
12:00 - 14:30	Lunch Break	
14:30 - 15:00	Ben Roberts	Axion-induced EDMs in paramagnetic systems
15:00 - 15:30	Samer Afach	Detecting Axions with UCNs at PSI
15:30 - 16:00	Gray Rybka	Status of ADMX, the Axion Dark Matter Experiment
16:00 - 16:30	Break - Coffee will be provided at the MITP Lounge	

Friday 19 June 2015

09:30 - 10:00 Good Morning - Coffee at the MITP Lounge

Chair: Samer Afach

10:00 - 10:45	Javier Redondo	The meV frontier of Axion Physics
10:45 - 11:15	Oleg Sushkov	Electric dipole moments of hadrons in atoms, molecules, and solids
11:15 - 12:00	Andrei Derevianko	GPS as a dark matter detector
12:00 - 14:00	Lunch Break	
14:00 - 15:00	Alex Sushkov (joint with Mainz Magnetic Resonance)	Magnetic Resonance with Single Nuclear-Spin Sensitivity
15:00 - 15:30	Break - Coffee will be provided at the MITP Lounge	
15:30 - 16:30	Victor Flambaum	Manifestations of Dark matter in atomic and astrophysical phenomena
16:30 - 17:00	Dmitry Budker	Processing Ferromagnetic Needle Magnetometer