



PCTS Workshop

Dark Matter: Direct Detection and Theoretical Developments

November 15-16, 2010

Schedule

Monday, November 15

- 9:00 - 9:50 Pierluigi Belli: DAMA results
- 9:50-10:40 Juan Collar: An update on COUPP and CoGeNT
- 10:40-11:10 Coffee break
- 11:10-12:00 Elena Aprile: XENON100 status and results
- 12:00-1:30 Lunch break
- 1:30 - 3:30 Discussion led by Peter Sorensen: low-energy nuclear recoils in Xe
- 1:30 - 2:05 Talk by Peter Sorensen
- 2:05 - 2:40 Talk by Guillaume Plante
- Continuing discussion until 3:30
- 3:30 - 3:50 Coffee break
- 3:50 - 4:15 Rafael Lang: Alternative empirical explanation of DAMA
- 4:15 - 4:40 Kathryn Zurek: The light dark matter scenario
- 4:40 - 5:05 Paolo Gondolo: The role of channeling in direct detection
- 5:05 - 5:30 Rouven Essig: Dark sectors and the APEX experiment
- 5:30 - 6:00 Open discussion

Tuesday, November 16

- 9:00 - 9:50 James Battat: Directional DM detection with DMTPC
- 9:50-10:40 Franz Pröbst: CRESST results
- 10:40-11:10 Coffee break
- 11:10-12:00 Blas Cabrera: CDMS results and prospects for future Ge detectors
- 12:00-1:30 Lunch break
- 1:30 - 2:20 Cristiano Galbiati: DarkSide status
- 2:20 - 2:30 Coffee break
- 2:30 - 2:55 Lisa Randall: Xogenesis and Weak Scale Dark Matter
- 2:55 - 3:20 Neal Weiner: Integrating out astrophysical uncertainties
- 3:20 - 3:45 Gordy Kane: String theory and Xenon100
- 3:45 - 4:15 Open discussion
- 4:15 - 4:45 Coffee break
- 4:45 - 5:10 Dan Hooper: The case for 7 GeV Dark Matter
- 5:10 - 5:35 Carlos Wagner: Dark Light Higgs
- 5:35 - 6:00 Open discussion