

**Monday**

8:00		Opening Remarks
8:10	Douglas Finkbeiner	"Exciting" Dark Matter, positrons, and PAMELA
8:30	Josh Frieman	Results from the SDSS Supernova Survey
8:50	Brian Gerke	Cosmological constraints from the abundance of DEEP2 galaxy groups
9:10-9:40	<b>COFFEE BREAK</b>	
9:40	Tommaso Treu	Dark matter at galactic scales from the SLACS Survey
10:00	Alexey Vikhlinin	Dark Energy constraints from growth of structure using Chandra observations
10:20	Dan Hooper	Dark matter origin of high energy electrons and positrons in the Milky Way?
10:40	Graham Kribs	PAMELA and Positrons
11:00-4:30	<b>BREAK</b>	
16:30	Katherine Freese	Dark Stars: a new phase of stellar evolution in the first stars due to DM annihilation
16:50	Richard Holman	Unparticles as Dark Matter
17:10	Bhuvnesh Jain	Testing gravity with galaxies and large-scale structure; the case for eclecticism in astronomy
17:30	Maxim Pospelov	Pseudoscalar perturbations and the polarization of the CMB
	<b>COFFEE BREAK</b>	
18:10	Oleg Gnedin	Adiabatic Contraction: Fact or Fiction?
18:30	Istvan Laszlo	Cosmological constraints on dark matter self interactions
18:50	Kevork N. Abazajian	The Nature of Dark Matter from Small Scale Clustering
19:10	Savvas Koushiappas	Small scale structure in the Milky Way: direct and indirect detection of dark matter

## Tuesday

8:00	Rachel	Bean	Constraining interactions in the dark sector
8:20	Ghazal	Geshnizjani	Observational Constraints on modified gravity
8:40	Wayne	Hu	Cosmic Acceleration from Modified Gravity: $f(R)$ - A Worked Example
9:00	Lam	Hui	Degravitation - theories and observations
9:20-9:40	<b>COFFEE BREAK</b>		
9:40	Niayesh	Afshordi	Testable Solutions to the Cosmological Constant Problem
10:00	Richard A	Battye	Dark energy and CMB anomalies
10:20	Dragan	Huterer	Falsifying Dark Energy Paradigms
10:40	Martin	Kunz	Dark Energy Phenomenology
11:00-4:30	<b>BREAK</b>		
	<b>TUESDAY PM</b>	Physics Café & Public Lecture	Bhuvnesh Jain Einstein Rings and Giant Arcs: Mapping Dark Matter with Gravitational Lensing

## Wednesday

8:00	Rosemary	Wyse	Dark Matter in Dwarf Spheroidal Galaxies
8:20	Ray	Carlberg	Supernova Legacy Survey 3rd year overview
8:40	Alexander	Kusenko	The dark side of the light fermions: sterile neutrinos as dark matter
9:00	HongSheng	Zhao	Towards a unified treatment of dark energy, neutrinos and dark matter
9:20-9:40	<b>COFFEE BREAK</b>		
9:40	Manoj	Kaplinghat	Supersymmetric Dark Matter: from cold to warm and prospects for indirect detection
10:00	Cyril	Pitrou	The non-linear evolution of the CMB radiation: a signature of dark matter clustering
10:20	Anais	Rassat	Limber equations for the Integrated Sachs Wolfe effect
10:40	Ina	Sarcevic	High Energy Neutrinos from Charm in Astrophysical Sources
11:00-4:30	<b>BREAK</b>		
16:30	Zoltan	Haiman	Constraints on the Dark Sector from Weak Lensing Surveys
16:50	Andrew	Zentner	Theoretical Challenges to the Exploitation of Weak Lensing to Constrain Dark Energy
17:10	Alex	Refregier	Mapping the Dark Universe with the Euclid Mission
17:30	Neelima	Sehgal	Probing the Relation Between X-Ray-Derived and Weak-Lensing-Derived Masses
	<b>COFFEE BREAK</b>		
18:10	R. Ben	Metcalf	Lensing of Pre-galactic 21 cm Radiation
18:30	Riva Ashley	Vanderveld	How lensing and peculiar velocities affect supernova cosmology
18:50	Dan	Coe	"Perfect" mass maps of galaxy cluster substructure and direct comparison to simulations
19:10	Andrey	Kravtsov	New accurate calibration of the abundance, clustering, and structure of dark matter halos

## Thursday

8:00	Molly	Swanson	What do galaxy surveys really teach us?
8:20	Ruth	Daly	Model Independent Studies of the Dark Energy
8:40	Olivier	Dore	Dark energy and gravity as revealed by coming surveys
9:00	Dominic	Benford	Characterizing Dark Energy with Destiny
9:20-9:40	<b>COFFEE BREAK</b>		
9:40	Carlo	Contaldi	Instabilities in TeVeS
10:00	Lisa	Randall	TBD
10:20	Jochen	Weller	Constraining Modified Gravity with Weak Lensing
10:40	Martin	Perl	Can the Existence of Dark Energy Be Directly Detected?
11:00-4:30	<b>BREAK</b>		
16:30	Pierre	Sikivie	Dark matter axions
16:50	Marc	Kamionkowski	Constraints to Non-Minimal Dark Matter
17:10	Mark	Trodden	TBD
17:30	Dimitrios	Psaltis	Gravity with Perturbative Constraints
<b>COFFEE BREAK</b>			
18:10	Michael	Gold	DEAP: A liquid argon dark matter detector
18:30	Natalie	Roe	BOSS: The Baryon Oscillation Spectroscopic Survey
18:50	Scott	Watson	Detection of Neutralino Dark Matter -- Revisited
19:10	Juan	Estrada	Low threshold Direct Dark Matter with CCDs

**Friday**

8:00	Jiayu	Tang	Title: Complementarity of Future Dark Energy Probes
8:20	Laurie	Shaw	Cosmological Simulations for Sunyaev-Zel'dovich Cluster Surveys
8:40	James	Bartlett	Clusters and Dark Energy
9:00	Luis Raul	Abramo	Title: Cluster number counts as a test of dark energy perturbations
9:20-9:40	<b>COFFEE BREAK</b>		
9:40	Bradac	Marusa	Revealing the Invisible with 2 Cosmic Supercolliders
10:00	Daniel	Holz	Gravitational wave constraints on dark energy
10:20	Mark	Neyrinck	Dark Energy Imprints on the CMB from Supervoids and Superclusters
10:40	Daisuke	Nagai	Clusters of Galaxies as Cosmological Probes
11:00-4:30	<b>BREAK</b>		
16:30	Gilbert	Holder	Dark energy studies with the South Pole Telescope
16:50	Clarence I	Chang	The South Pole Telescope: A SZ-Galaxy Cluster Survey for Constraining Dark Energy
17:10	David	Rapetti	Constraints on modified gravity from the observed X-ray luminosity function of clusters
17:30	Tzu-Ching	Chang	21cm Intensity Mapping of Baryon Acoustic Oscillation
	<b>COFFEE BREAK</b>		
18:10	Christopher	Stubbs	Photometric redshifts in minutes.
18:30	Carlos	Cunha	Cross-Calibration of Cluster Mass-Observables and Dark Energy
18:50	Gabriella	Sciolla	DM-TPC: a novel approach to directional Dark Matter detection
19:10	Johannes	Staghun	The search for dark matter halos with a 2 mm bolometer camera