



Tracing Cosmic Evolution with Clusters of Galaxies

Sexten Center for Astrophysics - Conferences 2013

Sesto (BZ), Italy, 1-5 July 2013

Program

Legend of colors: **Review** - **Targeted** - Contributed talk

Sunday, June 30			
18:00	19:00		Registration at Haus Sexten
20:30	22:00		Registration + welcome drink and concert at Haus Sexten
Monday, July 1			
8:30	9:00		Registration
9:00	9:05		Welcome
			The Matter Distribution in Clusters
9:05	9:40	Tommaso Treu	Dark matter vs baryons: the inner regions of galaxy clusters
9:40	10:05	Andrea Biviano	On the dynamical equilibrium of clusters of galaxies - clues from kinematics
10:05	10:20	Madhura Killedar	Are the Einstein radii of galaxy clusters consistent with LCDM?
10:20	10:45	Gabriel Pratt	The X-ray/SZ view of galaxy clusters
10:45	11:15		Coffee Break
11:15	11:40	Elena Rasia	X-ray analysis of simulated clusters
11:40	11:55	Megan Donahue	CLASH Cluster X-ray and Optical Mass Estimators
11:55	12:10	Claudio Grillo	Disentangling dark-matter profiles in CLASH galaxy clusters
12:10	12:35	Tesla Jeltema	Indirect detection of dark matter with Multiwavelength Observations of Clusters
12:35	12:50	Matteo Viel	New results on the coldness of cold dark matter
12:50	14:20		Lunch Break
14:20	14:55	Keiichi Umetsu	Cluster Mass Distribution from Weak-Lensing Shear and Magnification
14:55	15:10	Elinor Medezinski	The extreme case of MACSJ0717 from recent CLASH lensing work
15:10	15:25	Marc Postman	The Cluster Dark Matter Concentration - Mass Relation from CLASH
15:25	15:50	James Jee	Cluster El Gordo: A Look from a Lensing Perspective
15:50	16:20		Coffee Break
16:20	16:55	Anja von der Linden	How to weigh clusters of galaxies
16:55	17:10	Douglas Applegate	Weighing the Giants: Calibrating X-ray Mass Measurements with Accurate Weak Lensing
17:10	17:35	Massimo Meneghetti	Simulations and Lens Modeling Uncertainties
17:35	17:50	Emiliano Munari	The pseudo phase-space density profile of a rich, nearby galaxy cluster
17:50	18:05	Yu-Ying Zhang	Optical spectroscopy for galaxy clusters observed in X-ray surveys

Tuesday, July 2

Cosmology and Large-scale Structure of the Universe

9:00	9:35	Jim Bartlett	Results from Planck
9:35	9:50	Suet Ying Mak	Constraints on Peculiar Velocities from Planck Data
9:50	10:05	Ines Flores-Cacho	Planck's view of the pressure profile of galaxy clusters
10:05	10:20	Alexis Finoguenov	X-ray galaxy groups in deepest X-ray surveys
10:20	10:45	Elena Pierpaoli	Cosmology with present and future surveys
10:45	11:15	<i>Coffee Break</i>	
11:15	11:50	Steve Allen	Cluster Cosmology
11:50	12:05	Barbara Sartoris	Constraining Dark Matter Equation of State with Galaxy Clusters
12:05	12:20	Yann Rasera	Imprints of dark energy and feedback on galaxy cluster formation
12:20	12:35	Marguerite Pierre	The XXL survey and its cosmological analysis
12:35	12:50	Teng Liu	The SWift X-ray Cluster Survey
12:50	13:05	Daniel Gettings	The Massive Distant Clusters of WISE Survey
13:05	14:35	<i>Lunch Break</i>	
14:35	15:10	Brad Benson	Sunyaev-Zel'dovich Cluster Surveys: Latest Results and Future Prospects
15:10	15:35	Mark Voit	Standards for Cluster Cosmology
15:35	16:00	Jean-Baptiste Melin	Cosmological constraints for Planck SZ cluster counts
16:00	16:30	<i>Coffee Break</i>	
16:30	16:45	Matt Hilton	Cosmology from ACT Sunyaev-Zel'dovich cluster counts after three observing seasons
16:45	17:00	Felipe Menanteau	The SZ cluster sample from the Atacama Cosmology Telescope
17:00	17:15	Gustavo Yepes	The MUSIC of galaxy Clusters: X-ray and SZ Scaling relations and the baryon content at different redshifts
17:15	18:00	Poster Session 1	Poster Presentation Flash Talks

Wednesday, July 3

Cosmology and Large-scale Structure of the Universe

9:00	9:35	Yun Wang	Galaxy Clustering as a Cosmological Probe
9:35	9:50	Darren Reed	The challenge of an accurate cluster mass function from simulations
9:50	10:05	Kaustuv Basu	Revising the radio halo count in the sky: A new cosmic signpost?
10:05	10:20	Roberto Scaramella	Euclid Survey(s)
10:20	10:50	<i>Coffee Break</i>	
<u>The Cycle of Baryons and Galaxy Populations in Clusters</u>			
10:50	11:25	Daisuke Nagai	Cosmological Simulations of Galaxy Clusters: Recent Advances & Future Challenges
11:25	11:50	Klaus Dolag	A pathfinder simulation as counterpart for multi-wavelength surveys
11:50	12:05	Susana Planelles	Understanding the physics of the intra-cluster gas by means of hydrodynamical simulations of galaxy clusters
12:05	12:20	Britton Smith	Thermal Conduction in the Cores and Outskirts of Galaxy Clusters
12:20	12:45	Bill Forman	Supermassive Black Holes and their Effects on the Evolution of Central Galaxies in Groups and Clusters
12:45	13:00	Ming Sun	Multiphase gas and young stars in the stripped tails of cluster galaxies and in the group cool cores
13:00	<i>Lunch Break</i>		
FREE AFTERNOON + SOCIAL DINNER (20:30)			

Thursday, July 4

The Cycle of Baryons and Galaxy Populations in Clusters

9:00	9:35	Simona Mei	Galaxy evolution in clusters
9:35	10:00	Gus Evrard	Baryons in Massive Halos: The Resurgence of Galaxies and Challenges Ahead
10:00	10:15	Grant Tremblay	New results on star formation, cold molecular gas, and mechanical AGN feedback in Cool Core BCGs
10:15	10:30	Alvaro Villalobos	Simulating galaxy evolution in groups
10:30	10:45	Yara Jaffe	The effect of environment on star formation and gas reservoirs with BUDHIES
10:45	11:15		<i>Coffee Break</i>
11:15	11:50	Yen-Ting Lin	Cold baryons in clusters: galaxy populations and brightest cluster galaxies
11:50	12:15	Anthony Gonzales	Galaxy Clusters During the Era of Cluster Formation
12:15	12:30	Veronica Strazzullo	Galaxy populations in very distant clusters: a study in Cl J1449+0856 at $z=2$
12:30	12:45	Raphael Gobat	The first cluster(s) and the galaxy population at $z\sim 2$
12:45	13:00	Mauro Giavalisco	The evolution of massive compact galaxies and its dependence on the environment
13:00	14:30		<i>Lunch Break</i>
14:30	14:45	Tadayuki Kodama	The progenitors of cluster early-type galaxies under rapid construction at $z\sim 2$
14:45	15:00	Julie Nantais	Downsizing and Settling Down between $z = 0.8$ and $z = 1.2$
15:00	15:15	Rene Fassbender	X-ray cluster and galaxy population properties up to redshift $z\sim 1.6$
15:15	15:30	Joana Santos	Dust-obscured star-formation in the outskirts of XMMU J2235.3-2557, a massive galaxy cluster at $z=1.4$
15:30	15:45	Tracy Webb	The Evolution of Dusty Star formation in Clusters to $z = 1$: Spitzer IR Observations of the First Red-Sequence Cluster Survey
15:45	16:15		<i>Coffee Break</i>
16:15	16:30	Remco van der Burg	The cluster galaxy stellar mass function at $z \sim 1$
16:30	16:45	Sabrina De Grandi	On the Formation of Metal Abundance Peaks in Cool-Core Clusters: Hints from Cluster WARPJ1415.1+3612 at $z=1.03$
16:45	17:00	Dominika Wylezalek	Galaxy clusters around radio-loud AGN at 1.3
17:00	17:15	Elena Tundo	Galaxy evolution with the Swift X-ray Telescope Cluster survey
17:15	17:30	Malcolm Bremer	Protoclusters at $z\sim 5$
17:30	18:00	Poster Session 2	Poster Presentation Flash Talks

Friday, July 5

The Cycle of Baryons and Galaxy Populations in Clusters

9:00	9:25	Stefano Ettori	From X-ray observables to M_{tot} in galaxy clusters: biases and results
9:25	9:40	Silvano Molendi	Combining X-ray and SZ observations to characterize cluster outskirts: current work and future prospects
9:40	9:55	Aurora Simionescu	The 99% perspiration and 1% inspiration of cluster outskirts research
9:55	10:10	Michael McDonald	The Evolution of Cool Cores and ICM Cooling from $z=0$ to $z=1.2$
10:10	10:25	Stefano Andreon	The enrichment history of the intracluster medium in the last 8 Gyr
10:25	10:55		<i>Coffee Break</i>
10:55	11:20	Bianca Poggianti	Galaxy populations in and out of clusters
11:20	11:35	Alessandro Rettura	Evolution in the Structural Properties of Early-Type Brightest Cluster Galaxies over the past 10 billion years
11:35	11:50	M. Huertas-Company	Tell me where you live and I'll tell you how big you are
11:50	12:05	Amata Mercurio	Characterising galaxy population evolution at intermediate redshift: the cluster MACSJ1206
12:05	12:20	Gregory Rudnick	A Tale of Dwarfs and Giants: Using a $z = 1.62$ Cluster to Understand How the Red Sequence Grew Over The Last 10 Gyr
12:20	12:35	Adam Muzzin	Environmentally-Driven Galaxy Evolution at $z \sim 1$: The Perspective from Rich Galaxy Clusters
12:35	12:50	Dennis Zaritsky	Results from the MENeCS Survey
12:50	14:20		<i>Lunch Break</i>
14:20	14:45	Ann Zabludoff	Deficit Spending and the Cluster Baryon Budget
14:45	15:00	Jorge Melnick	Intergalactic stellar populations in intermediate redshift clusters
15:00	15:15	Valentina Presotto	Baryons in CLASH BCGs: from ICL to inner dynamics
15:15	15:30	Gastao Lima Neto	The baryon content in groups and clusters of galaxies
15:30	16:00	Colin Norman	SUMMARY TALK