

# The Submillimeter Universe: The CCAT View

Cornell University, 701 Clark Hall

Friday, November 12 2010

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8:00 am	Coffee, rolls	
<b>An Introduction to CCAT</b>		<b>Session Chair: Tom Soifer</b>
8:30 am	Cornell U. Representative	Welcome and Opening Remarks
8:40 am	Riccardo Giovanelli	CCAT Project Overview and Workshop Goals
9:00 am	Steve Padin	CCAT Telescope Design: Progress and Challenges
9:30 am	Jonas Zmuidzinas	Detectors and Instrumentation for CCAT
10:00 am	Paul Vanden Bout	CCAT from the Astro2010 Perspective
10:30 am	Coffee	
<b>Galaxy and Star Formation</b>		<b>Session Chair: Frank Bertoldi</b>
11:00 am	Andrew Benson	Galaxy Formation in $\Lambda$ CDM: A Theoretical Overview
11:30 am	Alberto Bolatto	Star Formation in Galaxies
11:50 am	Kartik Sheth	Galaxies Near and Far with EVLA, ALMA, and CCAT
12:10 pm	Lunch	
<b>Submillimeter and Far-IR Surveys</b>		<b>Session Chair: Jason Glenn</b>
1:10 pm	Walter Gear	Results from Herschel-SPIRE
1:40 pm	Dieter Lutz	Results from Herschel-PACS
2:10 pm	Asantha Cooray	Cosmology with Large Submillimeter Surveys
2:40 pm	Michel Fich	Progress with SCUBA 2
3:00 pm	Gordon Stacey	Options for a CCAT Short-Wavelength Camera
3:20 pm	Coffee	
<b>Synergies with Other Facilities</b>		<b>Session Chair: Riccardo Giovanelli</b>
3:40 pm	Monica Rubio	Development of Mm/Submm Astronomy in Chile
4:00 pm	Kevin Covey	LSST and CCAT
4:30 pm	Alain Omont	Very High Redshift Galaxies with Herschel, ALMA, and CCAT
<b>Open Discussion</b>		<b>Key Science Opportunities for CCAT Surveys</b>
4:50 pm	Discussion Leaders: Jason Glenn and Terry Herter	
5:30 pm	Adjourn	
7:00 pm	<b>Workshop Dinner</b>	Martin Harwit - after dinner remarks

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8:00 am	Coffee, rolls	
<b>Star Formation, Disks, ISM</b>		<b>Session Chair: Michel Fich</b>
8:30 am	Darek Lis	The Herschel View
9:00 am	Melissa Enoch	Characterizing the earliest phases of star formation with submillimeter surveys
9:20 am	Robin Garrod	Pre-biotic Molecules in the Sub-mm Regime
9:40 am	John Carpenter	Probing planet formation with CCAT Observations of Circumstellar Disks
10:00 am	Chris Walker	High Spectral Resolution Imaging with CCAT
10:20 am Coffee		
<b>Millimeter-wave Surveys and SZE</b>		<b>Session Chair: Simon Radford</b>
10:40 am	Dan Marrone	Cluster Cosmology and Astrophysics from the SZ Effect
11:00 am	Sudeep Das	ACT and ACT-Pol
11:20 am	Tom Crawford	Science with the SPT
11:40 pm	Sunil Golwala	Long-Wavelength Multicolor Cameras for CSO and CCAT
12:00 pm Lunch		
<b>Characterizing the SMG Population</b>		<b>Session Chair: Gordon Stacey</b>
1:00 pm	Kotaro Kohno	ASTE: Results and Future Plans
1:20 pm	Thomas Nikola	Submillimeter Spectroscopy of Far-IR Lines from High- $z$ Galaxies
1:40 pm	Matt Bradford	Broadband Spectroscopy: Zspec Results, Future Prospects
2:00 pm	Frank Bertoldi	Probing the EoR: Studying the Most Distant Galaxies with ALMA and CCAT
2:20 pm	James Aguirre	Obtaining Submillimeter Galaxy Redshifts and Probing LSS at $z \sim 3$
2:40 pm	Harvey Moseley	Ultra-compact Submillimeter Spectrometers
3:00 pm	Caitlin Casey	How I Would Use CCAT
3:20 pm Coffee		
<b>Open Discussion</b>		<b>Science, Instrumentation, and Survey Priorities for CCAT</b>
3:50 pm	Discussion Leaders: Mike Skrutskie & Riccardo Giovanelli	
5:00 pm Adjourn		

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