

The CCAT News

Issue 12 – November 2010

Cornell receives generous gift

On November 12, 2010, retired businessman and Cornell alumnus Fred Young committed \$ 11 million to Cornell for CCAT. For the past eight years, Young has supported CCAT development work at Cornell. Announcing his gift Young said, “Great astronomy departments need to have a strong association with world-class projects, and clearly this is a world-class project,” he said. “My personal satisfaction comes from having been able to hang out with the best astrophysicists in the world... and I look forward to a continuation of the great joy I get from being with these very, very smart people doing very, very worthy work.”



Benefactor Fred Young (right) with CCAT director Riccardo Giovanelli (left).

**The Submillimeter Universe:
The CCAT View**

November 12 - 13, 2010 • Cornell University

Scheduled speakers include:

- Rachel Bean
- Andrew Benson
- Frank Bertoldi
- Matt Bradford
- Asantha Cooray
- Michel Fich
- Walter Gear
- Riccardo Giovanelli
- Sunil Golwala
- Martin Harwit
- Kelsey Johnson
- Kotaro Kohno
- Dieter Lutz
- Dick McCray
- Harvey Moseley
- Alain Omont
- Steve Padin
- Monica Rubio
- Michael Skrutskie
- Paul Vanden Bout
- Chris Walker

Topics:

- An Introduction to CCAT
- Galaxy and Star Formation
- Submillimeter and Far-IR Surveys
- Synergies with Other Facilities
- Star Formation, Disks, ISM
- Millimeter-wave Surveys and the SZ Effect
- Characterizing Submillimeter Galaxies

Scientific Organizing Committee:
John Carpenter, Riccardo Giovanelli, Jason Glenn, Simon Radford,
Gordon Stacey (co-chair), Jonas Zmuidzinas (co-chair)

www.astro.cornell.edu/ccat_workshop
www.submm.org

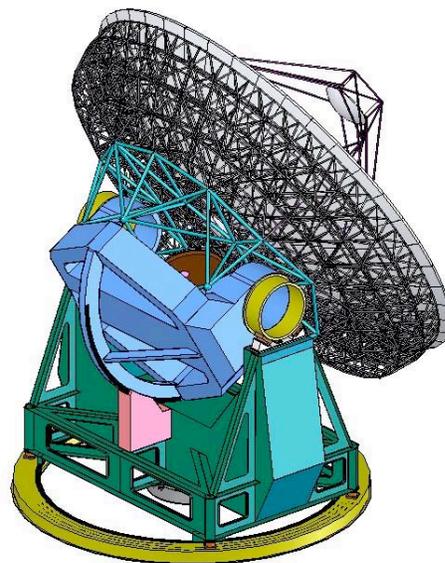


The Submillimeter Universe: the CCAT View

On November 12–13, 2010, almost 100 researchers from the CCAT partner institutions and the broader astronomical community gathered at Cornell to discuss the science objectives of CCAT, how CCAT and other facilities will complement each other, and CCAT’s place in the community in the aftermath of its very favorable ranking by the Astro2010 review. Thirty-two presentations covered the gamut of CCAT science topics from star and planet formation in our Galaxy to the formation and evolution of galaxies in the early universe along with the current telescope design concept and instrumentation developments. CCAT will emphasize wide field submillimeter imaging, including both continuum and spectroscopic surveys. Initial survey concepts were debated along with avenues for community participation. Presentation materials are online at www.submm.org.

Telescope design highlights

Ongoing design efforts at the CCAT partner institutions and at industrial contractors concentrate on the most crucial performance goals, wavefront quality and pointing. Particular areas of recent progress include the optical layout, which now provides a 1° instantaneous field of view, the compound segments of the primary mirror, the CFRP space frame truss supporting the mirror, the active mirror control system, and the drive and bearings of the mount and tipping structure.



For CCAT information, visit www.submm.org or contact info@submm.org.