



Cornell University

CALTECH



Large Submillimeter Atacama Telescope

Workshop

Boulder

2005 January 8 & 9

Saturday, January 8

- 8:30 *R. Giovanelli*
Project introduction
- 9:00 *T. Herter*
Science goals
Performance requirements
Performance desires
- 10:00 coffee and light refreshments

Saturday, January 8

- 10:30 *M. Bradford*
 Instrumentation for extragalactic science
- 11:00 *C. Walker*
 Heterodyne Arrays
- 11:20 *J. Lloyd*
 Sparse-aperture IR imaging
- 11:40 *E. Serabyn*
 Telescope design and measurement
- 12:00 *S. Radford*
 Lessons from contemporary radio telescopes

Saturday, January 8

- 2:00 *T. Sebring*
 Telescope Straw-Man Concept
- 3:00 *G. Cortes (G. Stacy)*
 Optical Design of a 25 m Telescope
- 3:45 *D. Woody*
 Telescope Design Issues
- 3:30 coffee and light refreshments

Saturday, January 8

- 4:20 *R. Martin*
 Composite technology
- 4:40 *M. Ulmer*
 Panel fabrication
- 4:20 open discussion

Sunday, January 9

- 8:30 *Collaborations*
 discussions with potential project partners
- 10:00 coffee and light refreshments
- 10:30 *Technology discussion*
- 12:00 lunch
- 2:00 *Executive session*

Discussion Items

- Aperture
- Field of view
- Frequency range
(lower and upper)
- Optical configuration
- Polarization
- IR mode
- Pointing
- Surface accuracy
- Daytime observing
- Dome
- Metrology options
- Actuator options
- Materials