



# NSF ACT OF 1950

**“AN ACT** to promote the progress of science; to advance the national health, prosperity, and welfare; to secure the national defense; and for other purposes.”

# AMOS



Air Force Research Laboratory  
DETACHMENT 15

AIR FORCE MAUI OPTICAL & SUPERCOMPUTING SITE



# ***Advanced Electro-Optical System (AEOS)***

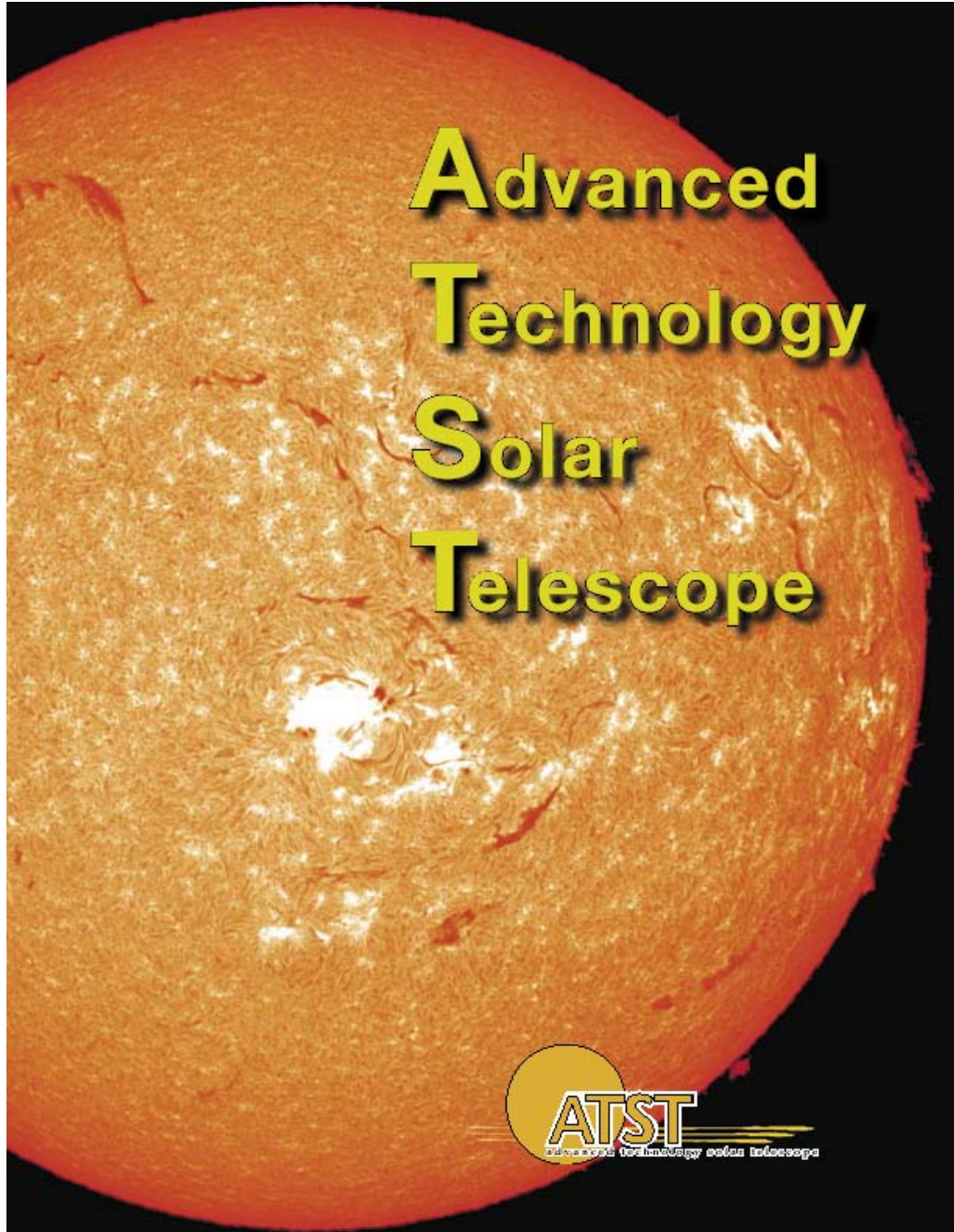


# ***Advanced Electro-Optical System Adaptive Optics***





# Advanced Technology Solar Telescope



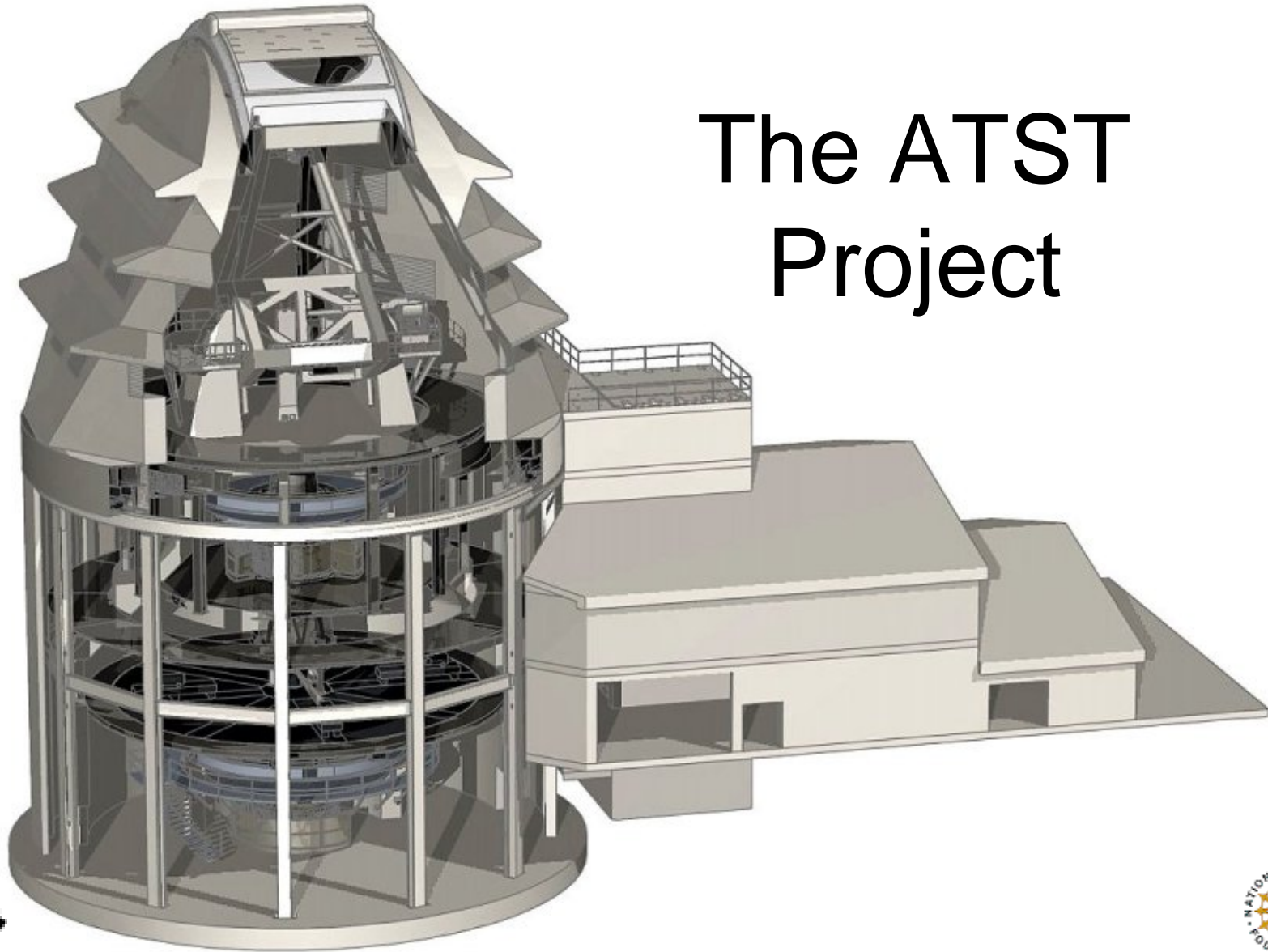


**Understanding** the nature of solar magnetism and activity crucially relates to many pressing scientific issues, ranging from **global climate change** through the **safety of astronauts** in space to the basic **physics of plasma magnetohydrodynamics.**



# *The Advanced Technology Solar Telescope*

## The ATST Project





**Air Force Research Laboratory**



**The University of Rochester,  
Dept of Physics and Astronomy**



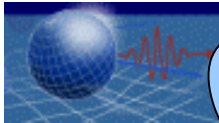
**California Institute of Technology,  
Laboratories of Applied Physics**



**Cal State University at Northridge,  
Dept. of Physics and Astronomy**



**Michigan State University, Dept of  
Physics and Astronomy**



**Stanford University, W.W, Hansen  
Experimental Physics Laboratory**



**Montana State University, Dept of  
Physics**



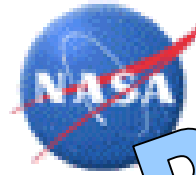
**University of Colorado, Center for  
Astrophysics and Space Astronomy  
And Joint Institute for Laboratory  
Astrophysics**



**UC, San Diego Center for  
Astrophysics & Space Sciences**



**Lockheed Martin, Solar and  
Astrophysics Laboratory**



**NASA Marshall Space Flight Center**

**NASA Goddard Space Flight  
Center**



**University of California, Los Angeles**



**Colorado Research Associates**



**Harvard-Smithsonian, Center for  
Astrophysics**



**Southwest Research Institute**



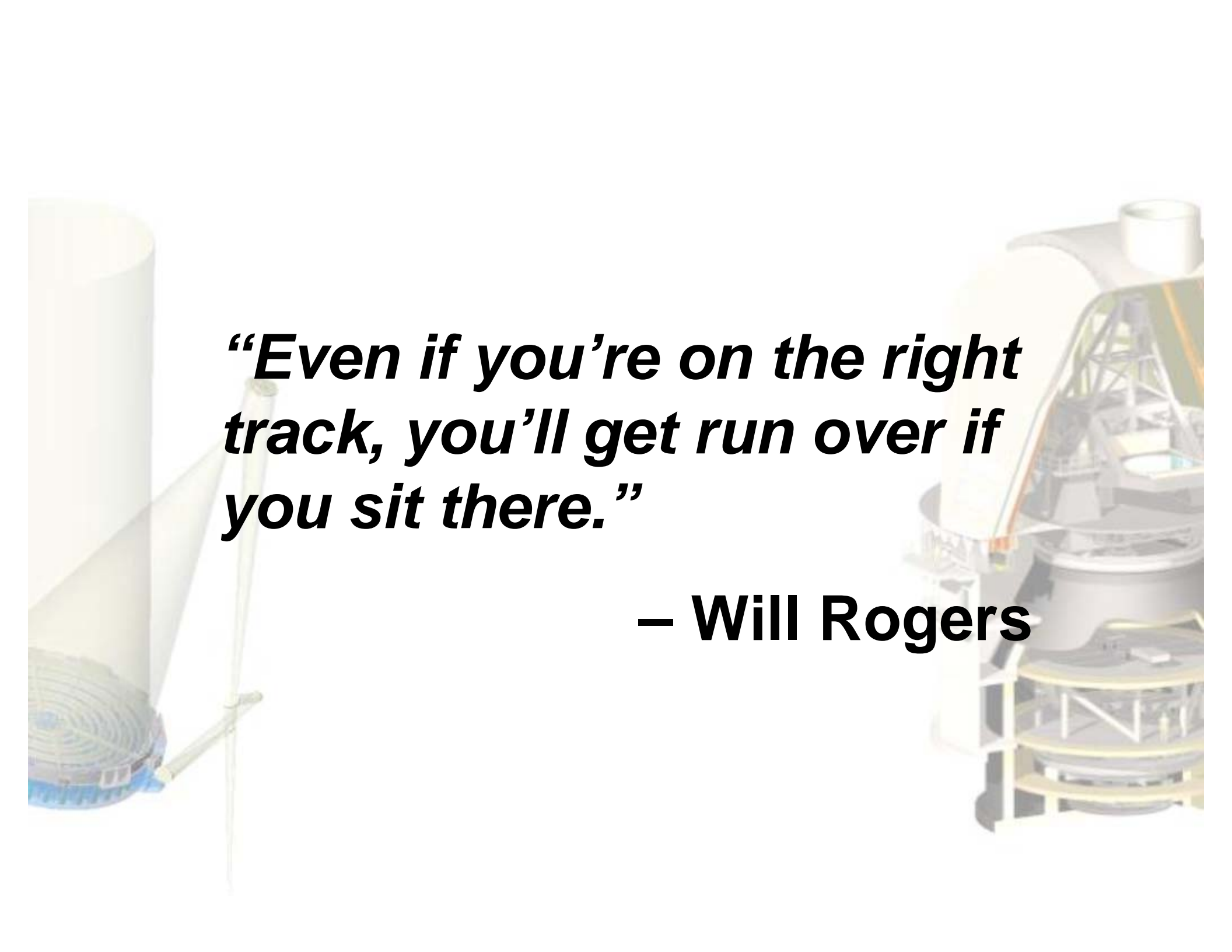
**Princeton University, Plasma  
Physics Laboratory**

**Collaborating Partner  
Institutions**



*ATST will be the world's flagship facility for ground-based solar physics observation and the first large US solar telescope constructed in the past 30 years.*





***“Even if you’re on the right track, you’ll get run over if you sit there.”***

**– Will Rogers**