

FY16-18 CSES/LDRD Funded Projects

LANL PI/ Univ PI	Title	University /Internal
Astro		
H. Li/Dean Linn	Close-in Exoplanets: Origin and Dynamics of Hot Jupiters and Super-Earths	UCSC
M. Paris/Fuller	Towards a Unitary & Self-consistent Treatment of Big Bang Nucleosynthesis	UCSD
Stamatikos/Fryer	Spectral Variation Studies of Gamma-ray Bursts	OH Univ
J Smidt/A Cooray	Primordial Explosions and BlackHoles: Direct and indrect Signatures in deep Sky Image (gave only what was requested)	UC Irvin
Hui Li/Shengtai Li	Planet Formation in the ALMA Era: When Where and How	Rice Univ
Climate		
Dubey/Riemer	Scaling Missing State to Predict Properties of Carbonaceous aerosols: From Laboratory to field to Climate Models	U of Ill
Chonggang/ B. Aukema	Vegetation-insect Dynamics under global Warming (internal no longer Univ will be starting in March the \$ amount may change).	Internal
Linn/Lujndquist	Assessing Impacts of Wind Turbines and Wind Farms	CU Boulder
Reisner/Guimond	Hurricane Intensity & Structure	U Maryland
Elliott/Wingenter	Aspects of the Ocean-Ice-Aerosol System	NMTech
Price/Bassis	Adding Iceberg Calving and Damage Mechanics to the Community	U PD
Ben McMahon	Global Biosurveillance: Global health signaturtes using Peregrine Falcons	Internal
Space		
M.Cowee	Electron Acoustic Double Layers in Earth's Magnetosphere	Internal
Y.Chen	Listen to the Canary: Understanding and Utilizing a sStorm Precursor in Low-Earth-Orbit	Internal
Delzanno/B. Gilchrist	Laboratory Validation of Electron Beam Emission Mediated by a Plasma Contractor	U Mich
Reeves/Hartinger	The Effect of ULF Wave Azimuthal Structure on the outer Radiation Belt	U Michigan
Geo		
Satish Karrar/Archer	Modeling Induced Seismicity	U of Akld
P. Johnson/C. Marone	Probing the Critical Stress State in Earth's Crust via Induced Seismicity and fluid Injection	Penn State
C. Rowe/E. Guardincerri	3-D Mapping of Shallow Targets Using Microgravity and cosmic Ray Muons	UNM
C. Larmat	Seismic and Ionospheric Signatures for the Study off Underwater	Internal