2012 CfAO Fall Science Retreat and Workshops

Sunday November 4, 2012 ~ Laser Workshop					
Time	Activity	Speaker	Room		
11:00 - 12:45 P	Laser Workshop Registration and Check-in		Main Lobby		
	CfAO Sponsored Workshop: Laser Technology and Systems for Astronomical Adaptive Opti	cs	Lakeview		
	http://lao.ucolick.org/LaserWorkshop/2012/				
SodiumTheorySodium(photonOn-teleApproaLaser s	cal workshop where we will address the following areas of interest to the laser guid guidestar return modeling and measurements of pulsed laser exitation of sodium and perferable laser formats return and laser efficiency measurement standards netry, receiver filters, number of measurements and averaging, normalizing for latif scope commissioning experience ches to laser beam transport including beam relay optics, I fiber optics, and launch afety, aircraft and satellite predictive avoidance measures, coordination with aviation.	ude and seasonal variation telescopes design	ı, etc)		
	s from laser suppliers		1 , , ,		
1:00 - 3:00	LGS Systems: Status Updates Gemini Observatory / GEMS		Lakeview		
	Keck Observatory (WMKO)	Markus Hartung			
	Keck I Solid State System Recently Deployed UC Observatories (UCO)	Pete Tucker			
	Plans for the ShaneAO System Laser Guidestar Steward Observatory (GMT, LBT)	Donald Gavel			
	ARGOS the Laser Guide Star System for the LBT Thirty Meter Telescope (TMT)	Gustavo Rahmer			
	Caltech Optical Observatories / Pomona College (Robo-AO)	Angel Otarola			
	Suitedit Optical Observationes / Feminia Conlege (Rosse / Ref	Chris Baranec Reed Riddle Phil Choi			
3:00 - 3:30 PM	Coffee Break		Hallway		
3:30 - 6:00	LGS / Sodium Modeling				
	Analysis of the effects of pulse and spectral content on sodium return predictions. Plans for experimentation to confirm models				
	Investigations of Long Pulse Sodium Laser Guide Stars	Rachel Rampy Simon Rochester			
	Capabilities at the UBC/LZT Site for testing LGS laser	Angel Otarola			
	Path to a Brighter Na Laser Guide Star	Paul Hillman Tom Kane			
5:30 - 8:00 PM	Dinner		Dining Roon		
3:00 - 10:30 PM	1 Social		Lakeview		

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Time	Activity	Speaker	Room
8:00 - 8:45	Breakfast (Laser Workshop Attendees Only)		Dining Room
9:00 - 9:45	Laser Safety and Predictive Avoidance		Lakeview
	Predictive Avoidance Importance	Joe Janni	
9:45 - 10:15	Laser Systems		
	Presentations by developers of guide star lasers		
10:15 - 10:45	Coffee Break		Hallway
11:45 - 11:30	Laser Systems Presentations by developers of guide star lasers Arete: Report on Progress of OPSL development operating at 589 nm	Greg Fetzer	Lakeview
11:30 - 12:00	General Discussion		
12:00 - 1:00 PM Lunch			

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Posters					
Time	Title	Author	Room		
Sunday evening			Lakeview		

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