

DECam at 10 years – Looking Back, Looking Forward Tucson, September 12-14, 2022

Scientific Program

INVITED TALK

Monday September 12

	08:00 - 08:50	Breakfast, Registration	
	08:50 - 09:00	Pat McCarthy	Welcome, Goals
Chair: Kathy Vivas	09:00 - 09:15	Alistair Walker	DECam - Status and Future
	09:15 - 09:50	Brenna Flaugher	From High Energy to Dark Energy and the Creation of DECam
	09:50 - 10:25	Chihway Chang	Cosmology from the Dark Energy Survey -- pushing boundaries, setting standards, and shaping the community
	10:25 - 10:45	Break	
Chair: Ting Li	10:45 - 11:20	Burçin Mutli-Pakdil	The Milky Way Science Revolution: Yesterday, Today, and Tomorrow
	11:20 - 11:55	Pedro Bernardinelli	Solar System science with the Dark Energy Survey
	11:55 - 12:15	Zhefu Yu	Mapping the Growth of Supermassive Black Holes with DECam
	12:15 - 12:35	Yifei Luo	The Merian Survey: Characterizing dark matter and feedback in 100,000 star-forming dwarf galaxies
	12:35 - 13:35	Lunch	
Chair: Knut Olsen	13:35 - 13:55	Yumi Choi	SMASHing the Magellanic Clouds with DECam
	13:55 - 14:15	Pol Massana	The synchronised star formation history of the Magellanic Clouds
	14:15 - 14:35	Alex Drlica-Wagner	The DECam Local Volume Exploration Survey (DELVE)
	14:35 - 14:55	Michael Jones	Gas-rich ultra-diffuse galaxies in the field
	14:55 - 15:15	Stephen Hellmich	Exploiting large astronomical data archives for space debris research
	15:15 - 15:35	Break - Group photo	
Chair: Kyoungsoo Lee	15:35 - 15:55	Ting Li	The Power of High Precision Photometry on Near Field Cosmology with DECam
	15:55 - 16:15	Clara Martínez-Vázquez	RR Lyrae stars in ultra-faint dwarf galaxies in the era of the large surveys
	16:15 - 16:35	Kathy Vivas	Variable Stars as tracers of the stellar population of diffuse satellite galaxies of the Milky Way
	16:35 - 16:55	Yuting Feng	Discovering Distant RR Lyrae Stars in the Milky Way Halo with Sparsely Sampled Photometry Data
	16:55 - 17:15	Annalisa Calamida	A wide view of different stellar sub-populations in NGC2808
	18:15 -	Reception (NOIRLab patio)	

Tuesday September 13

	08:00 - 09:00	Breakfast	
Chair: Chihway Chang	09:00 - 09:35	Aaron Meisner	DECaLS DR10: Updating the Dark Energy Camera Legacy Survey
	09:35 - 10:10	Stephanie Juneau	The Siena Galaxy Atlas: Large Angular Size Galaxies from the DESI Imaging Legacy Surveys
	10:10 - 10:30	Aleksandr Mosenkov	Edge-on galaxies in the DESI Legacy Imaging Surveys
	10:30 - 10:50	Break	
Chair: Alejandro Clocchiatti	10:50 - 11:25	Paul Martini	Synergies between DECam/DES and DESI
	11:25 - 11:45	David Schlegel	Dynamic Observing for Uniform Surveys
	11:45 - 12:05	David Trilling	The DECam Ecliptic Exploration Project (DEEP)
	12:05 - 12:25	Ryder Strauss	Constraints on the Shape Distribution of TNOs with DEEP
	12:25 - 12:45	Katie Fasbender	A wide-scale search for solar system objects with DECam in the NOIRLab Source Catalog
	12:45 - 13:35	Lunch	
Chair: Clara Martínez-Vázquez	13:35 - 13:55	Andrew Saydjari	The Dark Energy Camera Plane Survey 2 (DECaPS2): More Sky, Less Bias, and Better Uncertainties
	13:55 - 14:15	Mike Rich	The Blanco DECam Bulge Survey
	14:15 - 14:35	David Sand	Using DECam and Gaia to Identify Globular Clusters in the Local Universe: Substructure and Mass of Centaurus A
	14:35 - 14:55	Alison Crisp	Measuring Hot Jupiter Occurrence Rates in High-Alpha Stellar Populations with DECam
	14:55 - 15:15	Vinicius Placco	Searching for Chemically Pristine Stars with Narrowband Photometry
	15:15 - 15:35	Sean Points	The DECam Magellanic Cloud Emission-Line Surveys
	15:35 - 15:55	Break	
Chair: Vinicius Placco	15:55 - 16:25		Poster "two minute" presentations
	16:25 - 17:00		Poster Viewing
Wednesday September 14			
	08:00 - 09:00	Breakfast	
Chair: Monika Soraisam	09:00 - 09:35	Sangeeta Malhotra	Lyman Alpha Galaxies in the Epoch of Reionization (LAGER)
	09:35 - 10:10	Eric Gawiser	Blobs, Galaxies, and Protoclusters Found with Lyman Alpha: Early Science from ODIN
	10:10 - 10:45	Jim Annis	TBA
	10:45 - 11:00	Break	
Chair: James Rhoads	11:00 - 11:20	Nora Sherman	Searching for Kilonovae: Using DECam and the DESGW Data Pipeline in Pursuit of Optical Counterparts to Gravitational Wave Events
	11:20 - 11:40	Ian Dell'Antonio	Low Redshift Clusters from SV to 2022B and Beyond
	11:40 - 12:00	Lucie Baumont	Weighing the fgas giants with DECam Data
	12:00 - 12:20	Suchitoto Tabares-Tarquinio	Strong Gravitational Lenses from DECam

	12:20 - 12:40	Matthew Penny	DECam + Roman in the age of Rubin: Enhancing Roman's Microlensing Planet Haul
	1240-1340	Lunch	
Chair: Annalisa Calamida	13:40 - 14:00	Mario Juric	The power of DECam, its archive, and novel algorithms: discovering tens of thousands of "undiscoverable" asteroids in the DECam data
	14:00 - 14:35	Jeff Carlin	DECam's Contributions to Rubin/LSST Now and in the Future
	14:35 - 15:10	César Briceño (remote)	AEON on SOAR and Blanco: status and future perspectives
	15:10 - 15:30	Shemming Fu	Processing DECam data using the Rubin LSST pipeline: LoVoCCS and MMA
	15:30 - 15:50	Break	
Chair: Lori Allen	15:50 - 16:20	Arjun Dey	The NOIRLab 4m telescopes and their future
	16:20 - 17:00	Moderators Arjun Dey, Adam Bolton, Tim Abbott	Round Table - discussion on the future
POSTERS			
		Felipe Almeida-Fernandes	S-PLUS: 12-filter photometric survey observing ~9000 sq.deg. in the South Hemisphere
		Raul Gomez	Characterization of Photometric Redshifts for Cosmic Shear in DELVE
		Gene Leung	The HETDEX/SHELA Photometric Catalog: Galaxy Evolution from the Cosmic Dawn to Noon
		Jonah Medoff	Searching for Dwarf Galaxies Around Isolated, Low Mass Hosts
		Brendan O'Connor	A search for hostless short GRBs with large aperture telescopes
		Avi Patel	DECam Deep Drilling Survey: Characterizing Variable Stars in the DECaPS-East field
		Chin Yi Tan	Photometric Calibration of the DECam Local Volume Exploration (DELVE) Survey
		Francisco Valdes	The DECam Serendipitous Asteroid Program