

Cycle 21 Approved Programs

Phase II	First Name	Last Name	Institution	Country	Type	Resources	Title
13310	Nicholas	Abel	University of Cincinnati-Clermont College	USA	GO	4	The life and death of H ₂ in a UV-rich environment - Towards a better understanding of H ₂ excitation and destruction
13232	Joshua	Adams	Observatories of the Carnegie Institution of Washington	USA	AR		Main Sequence Star Counts as a Probe of IMF Variations with Galactic Environment
13418	Daniel	Apai	University of Arizona	USA	GO	12	Patchy Clouds and Rotation Periods in Directly Imaged Exoplanets
13233	Nahum	Arav	Virginia Polytechnic Institute and State University	USA	AR		The COS revolution of AGN outflow science
13345	Iair	Arcavi	Weizmann Institute of Science	ISR	GO	1	Determining the Progenitor of SN2011dh as a Test of Supernova Shock Cooling Models
13346	Thomas	Ayres	University of Colorado at Boulder	USA	GO	230	Advanced Spectral Library II: Hot Stars
13396	Sarah	Badman	University of Leicester	GBR	GO	15	Dual views of Saturn's UV aurora: revealing magnetospheric dynamics
13419	John	Bally	University of Colorado at Boulder	USA	GO	18	The First Ultraviolet Survey of Orion Nebula's Protoplanetary Disks and Outflows
13420	Guillermo	Barro	University of California - Santa Cruz	USA	GO	56	The progenitors of quiescent galaxies at z~2: precision ages and star-formation histories from WFC3/IR spectroscopy
13467	Jacob	Bean	University of Chicago	USA	GO	150	Follow The Water: The Ultimate WFC3 Exoplanet Atmosphere Survey
13311	Susan	Benecchi	Carnegie Institution of Washington	USA	GO	2	Precise Orbit Determination for a New Horizons KBO
13312	Danielle	Berg	University of Minnesota - Twin Cities	USA	GO	13	The Evolution of C/O in Low Metallicity Dwarf Galaxies
13397	Luciana	Bianchi	The Johns Hopkins University	USA	SNAP	64	Understanding post-AGB Evolution: Snapshot UV spectroscopy of Hot White Dwarfs
13361	William	Blair	The Johns Hopkins University	USA	GO	10	Discovering and Characterizing the Young Supernova Remnant Population in M101
13445	Joshua	Bloom	University of California - Berkeley	USA	GO	13	Absolute Calibration of the Extragalactic Mira Period-Luminosity Relation
13468	Howard	Bond	Space Telescope Science Institute	USA	GO	4	HST Observations of Astrophysically Important Visual Binaries
13469	Howard	Bond	Space Telescope Science Institute	USA	GO	3	Tol 26 and the EGB 6 Class of Planetary-Nebula Nuclei: What Happens to a Companion Star when a PN is Ejected?
13234	Nicholas	Bond	NASA Goddard Space Flight Center	USA	AR		Rest-Optical Morphology of 2<z<3 Lyman Alpha Emitters: Comparison with Rest-UV and Other High-redshift Galaxies
13362	Amy	Bonsor	Institute de Planetologie et	FRA	GO	4	Constraining the structure of the Kappa Cr B planetary system,

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13313	Mederic	Boquien	Laboratoire d'Astrophysique de Marseille	FRA	GO	16	Determining attenuation laws down to the Lyman break in $z \sim 0.3$ galaxies
13314	Sanchayeeta	Borthakur	The Johns Hopkins University	USA	GO	51	Characterizing the Elusive Intragroup Medium and Its Role in Galaxy Evolution
13421	Madelon	Bours	The University of Warwick	GBR	GO	2	CSS 41177: an eclipsing double white dwarf binary
13235	Marusa	Bradac	University of California - Davis	USA	AR		Breaking Cosmic Dawn: Focusing Cosmic Telescopes To Galaxy Evolution at the Frontier: The Rate of Galaxy Buildup Between $z \sim 11$ and $z \sim 8$
13236	Larry	Bradley	Space Telescope Science Institute	USA	AR		
13347	Joel	Bregman	University of Michigan	USA	GO	21	The Missing Baryons Around Nearby Dwarf Galaxies
13237	Michael	Brotherton	University of Wyoming	USA	AR		Rehabilitating Ultraviolet-Based Quasar Black Hole Mass Estimation
13280	Esther	Buenzli	University of Arizona	USA	GO	15	Evolution of heterogeneous cloud structure through the T Pluto Satellite Orbits in Support of New Horizons
13315	Marc	Buie	Southwest Research Institute	USA	GO	12	
13316	Howard	Bushouse	Space Telescope Science Institute	USA	GO	22	The Awakening of the Super-Massive Black Hole at the Center of Our Galaxy
13238	Benjamin	Cain	University of California - Davis	USA	AR		Resolving Galaxy Cluster Substructure with Gravitational Lensing Flexion
13363	Nuria	Calvet	University of Michigan	USA	GO	14	Gauging dust settling in 5-10 Myr old disks with COS
13364	Daniela	Calzetti	University of Massachusetts - Amherst	USA	GO	154	LEGUS: Legacy ExtraGalactic UV Survey
13422	Rebecca	Canning	Stanford University	USA	GO	4	Riding the wake of a cluster merger: star formation, filaments and turbulence
13281	Sebastiano	Cantalupo	University of California - Santa Cruz	USA	GO	22	Illuminating the Dark Phases of Galaxy-Formation with the Help of a $z=2.4$ Quasar
13470	Julio	Chaname	Pontificia Universidad Catolica de Chile	CHL	GO	20	Probing Cold Dark Matter Substructure with Wide Binaries in Dwarf Spheroidal Galaxies
13239	John	Chisholm	University of Wisconsin -	USA	AR		An Archival COS Study of Multi-phase Galactic Outflows and A Search for Surviving Companions of Type Ia Supernovae in
13282	You-Hua	Chu	University of Illinois at Urbana -	USA	GO	16	
13398	Christopher	Churchill	New Mexico State University	USA	GO	110	A Breakaway from Incremental Science: Full Characterization of the $z < 1$ CGM and Testing Galaxy Evolution Theory
13240	Francesca	Civano	Dartmouth College	USA	AR		A dedicated search for Gravitational Wave recoiling supermassive black holes in COSMOS

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13317	Dan	Coe	Space Telescope Science Institute	USA	GO	12	Infrared Grism Confirmation of a Strongly Lensed $z \sim 11$ Candidate: MACS0647-JD
13241	Seth	Cohen	Arizona State University	USA	AR		Using Resolved Stellar Populations To Tune The Pixel-by-pixel SED Fitting Technique
13423	Ryan	Cooke	UC Santa Cruz/ UCO Lick Observatory	USA	GO	12	Primordial lithium in $z \sim 0$, metal-poor damped Lyman alpha systems
13242	Michael	Cooper	University of California - Irvine	USA	AR		The Role of Environment in the Growth of Compact Ellipticals
13399	Asantha	Cooray	University of California - Irvine	USA	GO	5	Spatially Resolved WFC3/Grism Spectral Line Imaging of Gravitational Lensed Herschel-selected Luminous Dusty
13365	Martin	Cordiner	NASA Goddard Space Flight Center	USA	GO	8	Probing the nature of small-scale structure towards rho Oph stars: A new avenue in diffuse interstellar band research
13424	Romano	Corradi	Instituto de Astrofisica de	ESP	GO	1	The Necklace Nebula as a probe of close binary evolution
13400	Arlin	Crotts	Columbia University in the City of New York	USA	GO	14	The Surprising Ejecta Geometry of Recurrent Nova T Pyx
13283	Xinyu	Dai	University of Oklahoma	USA	GO	4	Testing ISM Evolution Models with Gravitational Lenses
13366	Roelof	de Jong	Astrofysikalisches Institut Potsdam	DEU	GO	21	The vertical disk structure of spiral galaxies and the origin of their thick disks
13348	Andrea	De Luca	INAF, Instituto di Astrofisica Spaziale e Fisica	ITA	GO	2	Imaging the Crab nebula when it is flaring in gamma-rays
13446	Selma	de Mink	Space Telescope Science Institute	USA	GO	4	Massive Stars and their Siblings: the Extreme End of the Companion Mass Function
13447	Selma	de Mink	Space Telescope Science Institute	USA	GO	1	The massive monsters living deep in the Tarantula nebula: How massive are they really?
13318	Imke	de Pater	University of California - Berkeley	USA	GO	2	Giant impacts on giant planets
13284	Nathalie	Degenaar	University of Michigan	USA	GO	9	Unravelling the evolution and accretion morphology of an extraordinary black hole X-ray binary
13243	Rosanne	Di Stefano	Smithsonian Institution Astrophysical Observatory	USA	AR		Masses or mass constraints for 116 gravitational microlenses from archived HST images
13367	Megan	Donahue	Michigan State University	USA	GO	16	UV Line Emission from Million Degree Gas in a Galaxy Cluster Core
13285	Rick	Edelson	University of Maryland	USA	GO	1	WFC3 imaging and galaxy subtraction for the Kepler BL Lac W2R1926+42
13244	Dawn	Erb	University of Wisconsin - Milwaukee	USA	AR		Galactic Outflows and the Growth of Disks at $1 < z < 2$

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13368	Nancy	Evans	Smithsonian Institution Astrophysical Observatory	USA	GO	12	A Precision Measurement of the Mass of the Cepheid V350 Sgr
13369	Nancy	Evans	Smithsonian Institution Astrophysical Observatory	USA	GO	2	The Dynamical Mass of Polaris, the Nearest Cepheid
13349	Xiaohui	Fan	University of Arizona	USA	GO	18	Escaping Lyman Continuum in Strongly Lensed Galaxies at
13425	Hua	Feng	Tsinghua University	CHN	GO	2	Multiwavelength Test For A Standard Accretion Disk Around An
13245	Gary	Ferland	University of Kentucky	USA	AR		Reading the message in the light: understanding STIS and COS
13471	Robert	Fesen	Dartmouth College	USA	GO	39	STIS Spectra of the Young SN Ia Remnant SN 1885 in M31
13426	Gaston	Folatelli	Institute for Physics and	JPN	GO	1	Direct test for a binary progenitor of SN 2011dh in M51
13286	Ryan	Foley	Smithsonian Institution Astrophysical Observatory	USA	GO	36	Understanding the Progenitor Systems, Explosion Mechanisms, and Cosmological Utility of Type Ia Supernovae
13448	Andrew	Fox	Space Telescope Science Institute - ESA	USA	GO	49	The Closest Galactic Wind: UV Properties of the Milky Way's Nuclear Outflow
13287	Ori	Fox	University of California - Berkeley	USA	GO	16	Late-Time UV Spectroscopic Signatures from Circumstellar Interaction in Type II _n Supernovae
13401	Claes	Fransson	Stockholm University	SWE	GO	17	A 3D view of the SN 1987A Ejecta
13246	Anna	Frebel	Massachusetts Institute of Technology	USA	AR		The nucleosynthetic origins and chemical evolution of phosphorus in the early universe
13472	Wendy	Freedman	Carnegie Institution of Washington	USA	SNAP	45	The Hubble Constant to 1%? STAGE 4: Calibrating the RR Lyrae PL relation at H-Band using HST and Gaia Parallax Stars
13350	Andrew	Fruchter	Space Telescope Science Institute	USA	GO	5	How Low Can They Go? Detecting low luminosity supernova progenitors
13247	Cesar	Fuentes	Northern Arizona University	USA	AR		deep Field TNO colors with in Archival Frontier Fields
13288	Amy	Furniss	University of California - Santa Cruz	USA	GO	5	PG 1424+240: Too Distant to be Seen?
13289	Boris	Gaensicke	The University of Warwick	GBR	GO	3	RXJ0439.8-6809: the hottest pre-white dwarf, or the first double-degenerate supersoft X-ray source?
13427	Peter	Garnavich	University of Notre Dame	USA	GO	6	A Look Inside a Star: The Evolved Main-Sequence Channel and
13449	Marla	Geha	Yale University	USA	GO	44	A Non-Universal Initial Mass Function in the Ultra-Faint Galaxy Coma Berenices
13290	Stephan	Geier	Universitat Erlangen-Nurnberg	DEU	GO	3	The hypervelocity hot subdwarf US 708 - remnant of a double- detonation SN Ia?

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13428	Christopher	Gelino	Jet Propulsion Laboratory	USA	GO	7	Characterizing the Ultra-cold Brown Dwarf WD 0806-661B
13370	Iskren	Georgiev	European Space Agency - ESTEC	NLD	GO	4	The Formation History of UGC 12591 - the Most Massive Known Field S0 Galaxy
13402	Jean-Claude	Gerard	Universite de Liege	BEL	GO	3	Remote sensing of the energy of Jovian auroral electrons with STIS: a clue to unveil plasma acceleration processes
13371	Suvi	Gezari	University of Maryland	USA	GO	3	HST/WFC3 UVIS Imaging of Tidal Disruption Event PS1-10jh
13319	Alexandros	Gianninas	University of Oklahoma Norman Campus	USA	GO	17	COS Spectroscopy of Pulsating, Metal-Rich, Extremely Low Mass White Dwarfs
13450	Douglas	Gies	Georgia State University	USA	GO	2	Separating the Spectral Components of the Massive Triple Star
13429	Margherita	Giustini	European Space Agency - ESTEC	NLD	GO	6	Unveiling the X-ray/UV Connection in AGN Winds: the PG 1126-041 Case Study
13372	Ana	Gomez De Castro	Universidad Complutense	ESP	GO	14	Mapping the magnetospheric structure at outburst of the pre-main sequence close binary AK Sco
13248	Jenny	Greene	Princeton University	USA	AR		AGN Fueling: Alignments Between Circumnuclear Structures and Radio Jets?
13430	Sandra	Greiss	The University of Warwick	GBR	GO	4	The temperatures, masses and pulsation modes of three ZZ Ceti in the Kepler field
13320	Fabien	Grise	Instituto de Astrofisica de Canarias	ESP	GO	8	Unveiling the nature of ultraluminous X-ray sources via UV spectroscopy
13249	Aaron	Grocholski	Louisiana State University and A & M College	USA	AR		Calibrating the Luminosity of Carbon Stars: An Archival Study of Galaxies in the Nearby Universe
13404	William	Grundy	Lowell Observatory	USA	GO	9	Mutual Orbits and Physical Properties of Binary Transneptunian Objects
13321	Pierre	Guillard	Institut d'Astrophysique Spatiale	FRA	GO	18	COS Spectroscopy of the Stephan's Quintet Giant Shock
13309	Yicheng	Guo	UC Santa Cruz/ UCO Lick Observatory	USA	SNAP	136	UV Snapshot of Low-redshift Massive Star-forming Galaxies: Searching for the Analogs of High-redshift Clumpy Galaxies
13451	Frederick	Hamann	University of Florida	USA	GO	11	A Study of PG Quasar-Driven Outflows with COS
13291	Masao	Hayashi	National Astronomical Observatory of Japan (NAOJ)	JPN	GO	10	Resolving internal structures of the progenitors of early-type galaxies in a vigorously forming cluster at $z=2.5$
13452	Matthew	Hayes	Observatoire Midi-Pyrenees	FRA	GO	8	Coupling the emission of ionizing radiation and Lyman alpha

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13473	Timothy	Heckman	The Johns Hopkins University	USA	GO	25	On the Nature of Highly Ionized Gas in the Halos of Normal Star-Forming Galaxies
13474	Dean	Hines	Space Telescope Science Institute	USA	GO	12	Imaging Polarimetry of the 2013 Comet ISON with ACS: A Study of the Heterogeneous Coma
13322	Donald	Hoard	Eureka Scientific, Inc.	USA	GO	4	Time-resolved FUV Spectroscopy of a Unique White Dwarf in
13250	David	Hogg	New York University	USA	AR		Probabilistic Self-Calibration of the WFC3 IR Channel
13251	Ivan	Hubeny	University of Arizona	USA	AR		DISKSPEC: A Tool for Analyzing Observed Spectra of Accretion Disk Systems
13431	Catherine	Huitson	University of Exeter	GBR	GO	15	The First Spectroscopic Phase Curve of a Transiting Planet: Understanding the Deeper Atmosphere
13252	Garth	Illingworth	University of California - Santa	USA	AR		High level science products from deep ACS and WFC3/IR
13292	Remy	Indebetouw	The University of Virginia	USA	GO	8	Dissecting star formation in N159
13293	Anne	Jaskot	University of Michigan	USA	GO	24	Green Pea Galaxies: Extreme, Optically-Thin Starbursts?
13253	Edward	Jenkins	Princeton University	USA	AR		Filling in the Gaps in a Study of Gas that Molds the Fermi Bubbles: An Archival Supplement to a Cycle 20 GO Program
13254	Adam	Jensen	Wesleyan University	USA	AR		A New Look at Interstellar Silicon
13475	David	Jewitt	University of California - Los Angeles	USA	GO	2	Hubble Imaging of a Newly Discovered Main Belt Comet
13351	Saurabh	Jha	Rutgers the State University of New Jersey	USA	GO	6	UV Spectroscopy of a Peculiar White Dwarf Supernova
13255	Inger	Jorgensen	Gemini Observatory, Northern Operations	USA	AR		Galaxy evolution in the densest environments: HST imaging
13453	Michael	Jura	University of California - Los Angeles	USA	GO	12	The Elemental Compositions of Extrasolar Minor Planets
13476	Nitya	Kallivayalil	Yale University	USA	GO	30	Proper Motion and Internal Kinematics of the SMC: are the
13294	Alexander	Karim	University of Durham	GBR	GO	6	Characterizing the formation of the primordial red sequence
13454	Pierre	Kervella	Observatoire de Paris	FRA	GO	4	The parallax and mass of the binary classical Cepheid V1334 Cyg
13432	Wolfgang	Kerzendorf	University of Toronto	CAN	GO	2	To be or not to be the progenitor: The question about Tycho-B
13405	Robert	Kirshner	Harvard University	USA	GO	10	SAINTS: Images of SN 1987A

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13477	C.	Kochanek	The Ohio State University	USA	GO	6	Unmasking the Supernova Impostors
13373	Gloria	Koenigsberger	Universidad Nacional Autonoma de Mexico (UNAM)	MEX	GO	2	The changing wind structure of the WR/LBV star in HD 5980
13323	Adam	Kowalski	NASA Goddard Space Flight Center	USA	GO	8	Taking the Temperature of Explosive Stellar Flares
13324	Davor	Krajnovic	Astrophysikalisches Institut Potsdam	DEU	GO	12	Where cores are no more: assessing the role of dissipation in the assembly of early-type galaxies
13455	John	Krist	Jet Propulsion Laboratory	USA	GO	9	The Eccentric Debris Ring Around HD 202628: Signs of
13256	Mark	Krumholz	University of California - Santa Cruz	USA	AR		Tools for Stellar Population Synthesis in the Stochastic Regime
13257	Marc	Kuchner	NASA Goddard Space Flight Center	USA	AR		SMACK: A New Tool for Modeling Images of Debris Disks
13478	Philippe	Lamy	Laboratoire d'Astrophysique	FRA	GO	12	Hubble Imaging of the Nucleus of Comet ISON
13295	Soeren	Larsen	Radboud Universiteit Nijmegen	NLD	GO	17	Do the globular clusters in the Fornax dSph have multiple
13406	Alain	Lecavelier des Etangs	CNRS, Institut d'Astrophysique de Paris	FRA	GO	2	Hydrogen, Deuterium and Nitrogen in the Beta Pictoris disk
13325	Claus	Leitherer	Space Telescope Science Institute	USA	GO	28	Pushing COS to the (Lyman-)Limit
13479	Andrew	Levan	The University of Warwick	GBR	GO	3	The host and location of the candidate relativistic tidal disruption event Swift 2058+0516
13480	Andrew	Levan	The University of Warwick	GBR	GO	9	Super-luminous supernovae without host galaxies
13481	Emily	Levesque	University of Colorado at Boulder	USA	SNAP	31	Calibrating Multi-Wavelength Metallicity Diagnostics for Star-Forming Galaxies
13258	Jessica	Lu	University of Hawaii	USA	AR		Kinematics of the Massive Star Forming Region, Orion BN/KL
13482	Britt	Lundgren	University of Wisconsin - Madison	USA	GO	18	The Evolving Gas Content of Galaxy Halos: A Complete Census of MgII Absorption Line Host Galaxies at $0.7 < z < 2.5$
13326	Ragnhild	Lunnan	Harvard University	USA	GO	6	Zooming In on the Progenitors of Ultra-Luminous Supernovae with HST
13374	Dougal	Mackey	Australian National University	AUS	GO	10	Extremely faint, diffuse satellite systems in the M31 halo: exceptional star clusters or tiny dwarf galaxies?
13375	Dougal	Mackey	Australian National University	AUS	GO	28	Deep photometry of two accreted families of globular clusters in the remote M31 halo

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13352	Matthew	Malkan	University of California - Los Angeles	USA	GO	375 - Pure Parallels	WFC3 Infrared Spectroscopic Parallel Survey WISP: A Survey of Star Formation Across Cosmic Time
13407	Crystal	Martin	University of California - Santa	USA	GO	6	COS Gas Flows: Challenging the Optical Perspective
13353	Derck	Massa	Space Science Institute	USA	GO	8	Flux calibration of the COS FUV modes
13354	Robert	Mathieu	University of Wisconsin - Madison	USA	GO	12	COS Spectroscopy of White Dwarf Companions to Blue Stragglers in NGC 188
13408	Jon	Mauerhan	University of Arizona	USA	GO	6	Constraining the Physical Properties of LBV Nebulae in the Galactic Center Environment
13433	Justyn	Maud	The Queen's University of Belfast	GBR	GO	4	Stellar Forensics V: A post-explosion view of the progenitor of SN 2011dh
13355	Bruce	McCollum	Catholic University of America	USA	GO	4	Uncovering the Nature of the Evolving Remnant Star of a Recent Stellar Merger
13456	Michael	McDonald	Massachusetts Institute of Technology	USA	GO	14	Searching for 300,000 Degree Gas in the Core of the Phoenix Cluster with HST-COS
13356	Ian	McGreer	University of Arizona	USA	GO	2	A Candidate Gravitationally Lensed Quasar at z=6.09
13376	Kristen	McQuinn	University of Minnesota - Twin Cities	USA	GO	17	The Star Formation History of Leo P
13377	Andrea	Mehner	European Southern Observatory - Chile	CHL	GO	8	Essential UV Observations of Eta Carinae's Change of State
13434	Tiffany	Meshkat	Leiden Observatory	NLD	GO	4	Transmission spectroscopy through the debris disk of Fomalhaut
13327	Eileen	Meyer	Space Telescope Science Institute	USA	GO	8	Proper Motions at 500 Mpc: Measuring Superluminal motions in Optical Jets with HST
13378	Dan	Milisavljevic	Harvard University	USA	GO	10	Toward A Comprehensive Kinematic and Chemical Survey of the Young O-rich SNR 1E 0102-7219 in the SMC
13379	Antonino	Milone	Australian National University	AUS	GO	4	Multiple stellar populations in the young Large Magellanic Cloud cluster NGC1856
13259	Bahram	Mobasher	University of California -	USA	AR		Combined Study of High Spatial Resolution Color and Mass
13435	Matteo	Monelli	Instituto de Astrofisica de Canarias	ESP	GO	11	Multiple populations in external globular clusters: the Fornax dSph, the LMC, and the SMC
13260	Francisco	Mueller-Sanchez	University of California - Los Angeles	USA	AR		The Physics of the Coronal Line Region in Seyfert Galaxies and its Role in Galaxy Evolution
13409	Richard	Mushotzky	University of Maryland	USA	GO	8	Hubble Observations of Kepler-Monitored Seyfert Is

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13328	Jonathan	Nichols	University of Leicester	GBR	GO	8	Observing Ganymede's atmosphere and auroras with COS and STIS
13329	Jonathan	Nichols	University of Leicester	GBR	GO	20	Discovering the nature of the star-planet interaction at WASP-12b
13296	Paul	O'Brien	University of Leicester	GBR	GO	2	The nuclear outflow in PDS 456
13261	Brian	O'Shea	Michigan State University	USA	AR		Unlocking the secrets of absorption line complexes in the intergalactic medium
13483	Goeran	Oestlin	Stockholm University	SWE	GO	54	eLARS - extending the Lyman Alpha Reference Sample
13262	Benjamin	Oppenheimer	Universiteit Leiden	NLD	AR		Cosmic HI: a tracer of the physics regulating galaxy formation over a Hubble time
13410	Cristina	Pallanca	Universita di Bologna	ITA	GO	15	COSMIC-LAB: a BSS orbiting a NS? The companion to the supermassive NS in NGC6440.
13381	Marshall	Perrin	Space Telescope Science Institute	USA	GO	15	STIS Coronagraphy of Four Young Debris Disks Newly Uncovered from the NICMOS Archive
13330	Bradley	Peterson	The Ohio State University	USA	GO	179	Mapping the AGN Broad Line Region by Reverberation
13263	Ruth	Peterson	Astrophysical Advances	USA	AR		Determining Fe I Energy Levels with STIS 230H Near-UV Spectra
13297	Giampaolo	Piotto	Universita degli Studi di Padova	ITA	GO	131	The HST Legacy Survey of Galactic Globular Clusters: Shedding UV Light on Their Populations and Formation
13298	Richard	Plotkin	University of Michigan	USA	GO	7	Radio-quiet Quasars with Extremely Weak Emission Lines: a New Perspective on Quasar Unification
13331	Laurent	Pueyo	The Johns Hopkins University	USA	GO	12	Confirmation and characterization of young planetary
13382	Mary	Putman	Columbia University in the City of New York	USA	GO	27	Warm Gas Flows in the Coma Cluster
13383	Mary	Putman	Columbia University in the City of New York	USA	GO	8	Measuring the Properties of Dwarf Streams
13264	Thomas	Quinn	University of Washington	USA	AR		The New Frontier of cosmological Simulations: Robust predictions of the galaxy population properties at $z > 4$.
13357	David	Radburn-Smith	University of Washington	USA	GO	9	Feeding Galaxies: Cold Accretion Through Warps
13299	Jacqueline	Radigan	Space Telescope Science Institute	USA	GO	12	Silver Linings: Using Cloud Maps to Understand the L/T Spectral Transtion
13436	John	Raymond	Smithsonian Institution Astrophysical Observatory	USA	GO	10	Ion Temperatures in a Collisionless Supernove Remnant Shock Wave

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13332	Seth	Redfield	Wesleyan University	USA	SNAP	70	A SNAP Survey of the Local Interstellar Medium: New NUV Observations of Stars with Archived FUV Observations
13484	Bo	Reipurth	University of Hawaii	USA	GO	9	Structure, Excitation, and Evolution of Shocks: A Multi-Wavelength Study of Herbig-Haro 1/2
13485	Bo	Reipurth	University of Hawaii	USA	GO	6	The HH 24 Jet Complex: Collimated and Colliding Jets from a
13486	Armin	Rest	Space Telescope Science Institute	USA	GO	12	Spectral Time Series of the Cas A Supernova
13333	Jeffrey	Rich	Carnegie Institution of Washington	USA	GO	10	Investigating the Impact of Merger Driven Shocks
13384	Dominik	Riechers	Cornell University	USA	GO	4	A Simultaneous Measurement of the Cold Gas, Star Formation Rate, and Stellar Mass Histories of the Universe
13334	Adam	Riess	The Johns Hopkins University	USA	GO	14	The Longest Period Cepheids, a bridge to the Hubble Constant
13335	Adam	Riess	The Johns Hopkins University	USA	SNAP	60	HST and Gaia, Light and Distance
13437	Jane	Rigby	NASA Goddard Space Flight	USA	GO	3	The Morphology and Star Formation Distribution in a Big Cool
13385	Andrew	Robinson	Rochester Institute of Technology	USA	GO	1	Is there a kicked supermassive black hole in E1821+643?
13386	Steven	Rodney	The Johns Hopkins University	USA	GO	20	Frontier Field Supernova Search
13265	Anna	Rosen	University of California - Santa Cruz	USA	AR		Simulating the Birth of Massive Star Clusters: Is Destruction Inevitable?
13336	Lorenz	Roth	Southwest Research Institute	USA	GO	10	Probing Io's putative global magma ocean through FUV auroral spot morphology
13300	Kate	Rubin	Max-Planck-Institut fur Astronomie, Heidelberg	DEU	GO	15	Mapping MgII Emission in the M82 Superwind: A Rosetta Stone for Understanding Feedback in the Distant Universe
13411	Wiphu	Rujopakarn	University of Arizona	USA	GO	4	Dissecting the intensely star-forming clumps in a $z \sim 2$ Einstein Ring
13266	Russell	Ryan	Space Telescope Science	USA	AR		Understanding the Population of Distant Ultracool-Dwarfs from
13457	Kailash	Sahu	Space Telescope Science Institute	USA	GO	4	Accurate Mass Determination of the Nearby Old White Dwarf Stein 2051B through Astrometric Microlensing
13458	Kailash	Sahu	Space Telescope Science Institute	USA	GO	7	Detecting Isolated Black Holes through Astrometric Microlensing
13487	Michael	Salz	Universitat Hamburg, Hamburger Sternwarte	DEU	SNAP	8	A pilot study to characterize the Lyman alpha emission of active exoplanet host stars

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13267	Eric	Schindhelm	Southwest Research Institute	USA	AR		Reconstructing Lyman Alpha Radiation in T Tauri Stars
13412	Tim	Schrabback	Universitat Bonn, Argelander Institute for Astronomy	DEU	SNAP	120	An ACS Snapshot Survey of the Most Massive Distant Galaxy Clusters in the South Pole Telescope Sunyaev-Zel'dovich Survey
13388	Gregory	Schwarz	American Astronomical Society	USA	GO	6	Fundamental properties of novae outburst: Coordinated HST and XMM ToO observations
13268	Anil	Seth	University of Utah	USA	AR		The Structure of the Nearest Nuclear Star Clusters
13269	Allen	Shafter	San Diego State University	USA	AR		A Multiwavelength Study of Recurrent Novae in the Bulge of M31
13337	Keren	Sharon	University of Michigan	USA	GO	7	Resolving the Cluster-Lensed Sextuple Quasar SDSSJ2222+2745
13413	Kartik	Sheth	National Radio Astronomical Observatory	USA	GO	4	Star formation and Dissolution Across Dynamically Distinct Environments in NGC 1097
13414	Mark	Showalter	SETI Institute	USA	GO	5	Reading the Record of Cometary Impacts into Jupiter's Rings
13301	J.	Shull	University of Colorado at Boulder	USA	GO	35	Deep COS Spectra of the Two Brightest Quasars that Probe the He II Post-Reionization Era
13302	J.	Shull	University of Colorado at Boulder	USA	GO	22	COS Spectra of High-Redshift AGN: Probing Deep into the Rest-Frame Ionizing Continuum and Broad Emission Lines
13389	Brian	Siana	University of California -	USA	GO	48	The Ultraviolet Frontier: Completing the Census of Star
13303	Robert	Simcoe	Massachusetts Institute of Technology	USA	GO	27	The Structure of MgII Absorbing Galaxies at z=2-5: Linking CGM Physics and Stellar Morphology During Galaxy Assembly
13390	Nathan	Smith	University of Arizona	USA	GO	19	A Time-Lapse Movie of the Kinematics Across the Carina Nebula with ACS
13391	Nathan	Smith	University of Arizona	USA	GO	16	WFC3-IR Imaging of Dense, Embedded Outflows from Intermediate-Mass Protostars in Carina
13270	Rachel	Somerville	Rutgers the State University of New Jersey	USA	AR		Constraining the Physics of Dwarf Galaxy Formation from the Reionization Epoch to the Present
13438	William	Sparks	Space Telescope Science Institute	USA	GO	3	Probing the atmosphere of a transiting ocean world
13439	William	Sparks	Space Telescope Science Institute	USA	GO	12	Gas Physics in Cool-Core Clusters: the Virgo Cluster
13488	Andrew	Steffl	Southwest Research Institute	USA	GO	4	Using Hubble to Resolve Fundamental Discrepancies in the Surface Composition of the Asteroid (21) Lutetia
13338	Kevin	Stevenson	University of Chicago	USA	GO	8	Confirming a Sub-Earth-Sized Exoplanet in the Solar Neighborhood

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13489	John	Stocke	University of Colorado at	USA	GO	6	Accretion Physics in Nearby FR1 Galaxies
13339	Matthias	Stute	IAAT, Eberhard Karls	DEU	GO	3	R Aqr: a prototype for non-relativistic astrophysical jets and a
13392	Ben	Sugerman	Goucher College	USA	GO	5	Six in One Blow: Reconstructing the Circumstellar Environments of Supernovae in NGC 6946 with Light Echoes
13490	Jason	Surace	California Institute of Technology	USA	GO	14	Resolving the Reddest Extragalactic Sources Discovered by Spitzer: Strange Dust-Enshrouded Objects at $z \sim 2-3$?
13415	David	Syphers	University of Colorado at Boulder	USA	GO	5	The First Study of the Quasar Broad Line Region in the <550A Extreme UV
13440	Nial	Tanvir	University of Leicester	GBR	GO	7	Identifying and studying gamma-ray bursts at very high redshifts
13441	Rachael	Tomasino	University of Denver	USA	GO	1	Co-latitudinal Radial Velocity Profile Confirmation Via Differential Proper Motion of the Bipolar Egg Nebula
13304	Grant	Tremblay	European Southern Observatory - Germany	DEU	GO	23	Mysterious ionization in cooling flow filaments: a test with deep COS FUV spectroscopy
13271	Tommaso	Treu	University of California - Santa Barbara	USA	AR		The cosmic evolution of faint satellites galaxies as a test of galaxy formation and the nature of dark matter
13459	Tommaso	Treu	University of California - Santa	USA	GO	140	The Grism Lens-Amplified Survey from Space (GLASS)
13491	Todd	Tripp	University of Massachusetts -	USA	GO	60	Directly Probing $>10^6$ K Gas in Lyman Limit Absorbers at $z > 2$
13442	R.	Tully	University of Hawaii	USA	SNAP	128	The Geometry and Kinematics of the Local Volume
13416	Remco	van den Bosch	Max-Planck-Institut fur Astronomie, Heidelberg	DEU	GO	1	The most massive black hole in a compact galaxy UGC2698
13272	Roeland	van der Marel	Space Telescope Science Institute	USA	AR		Proper Motions of Distant Halo Stars: New Clues to Milky Way Structure, Evolution and Mass
13443	Roeland	van der Marel	Space Telescope Science Institute	USA	GO	16	Proper Motions along the Orphan Stream: Finding the Parent, Orbit, and Milky Way Halo Shape
13340	Schuyler	Van Dyk	California Institute of Technology	USA	GO	4	Detecting a Hot Companion to the Progenitor of the Type Ic Supernova 1994I in M51
13341	Schuyler	Van Dyk	California Institute of	USA	GO	4	The Stellar Origins of Supernovae
13460	Sylvain	Veilleux	University of Maryland	USA	GO	7	The Remarkable Ultraviolet Spectrum of Mrk 231
13273	Enrico	Vesperini	Indiana University System	USA	AR		Effects of dynamical evolution on the stellar mass function of multiple population globular clusters
13305	Carolin	Villforth	University of Florida	USA	GO	20	Do mergers matter? Testing AGN triggering mechanisms from Seyferts to Quasars
13274	David	Wake	University of Wisconsin - Madison	USA	AR		Predicting the Performance of Satellite Dark Energy Surveys using WFC3 Grism Spectroscopy

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13444	Bart	Wakker	University of Wisconsin - Madison	USA	GO	21	Constraining the size of intergalactic clouds with QSO pairs
13342	Q.	Wang	University of Massachusetts -	USA	GO	11	Warm And Hot Gases In And Around Cluster Galaxies At Z=0.1-
13492	Harold	Weaver	The Johns Hopkins University Applied Physics Laboratory	USA	GO	19	Hubble Spectroscopy of Sungrazing Comet ISON
13275	Jessica	Werk	University of California - Santa Cruz	USA	AR		The Skeleton in the Closet: Testing the Effect of HII Region Self- Enrichment Using Archival STIS Data
13358	Klaus	Werner	Eberhard Karls Universitat,	DEU	GO	3	Trans-iron group elements in the hot white dwarf RE 0503-289
13276	J.	Wheeler	University of Texas at Austin	USA	AR		Multidimensional and Radiation Hydrodynamics Simulations of Superluminous Supernovae
13277	Benjamin	Williams	University of Washington	USA	AR		Measuring of the Progenitor Masses of Historic Supernovae
13461	Benjamin	Williams	University of Washington	USA	GO	2	The Influence of Environment on Star Forming Disks
13278	Rik	Williams	Carnegie Institution of Washington	USA	AR		A new window on galactic suburbia with CSI, CANDELS, and GOODS-S
13306	Gillian	Wilson	University of California - Riverside	USA	GO	16	Is the Size Evolution of Massive Galaxies Accelerated in Cluster Environments?
13343	David	Wittman	University of California - Davis	USA	GO	16	Probing Dark Matter with a New Class of Merging Clusters
13462	Brian	Wood	Naval Research Laboratory	USA	GO	36	Tracking the Winds of Red Giants from the Star to the ISM
13307	Nadia	Zakamska	The Johns Hopkins University	USA	GO	26	Taking the measure of quasar winds
13393	Dennis	Zaritsky	University of Arizona	USA	GO	30	Galaxy Transformation in the Infall Regions of Clusters
13308	Ming	Zhao	The Pennsylvania State University	USA	GO	10	Near-IR spectroscopy of the highly inflated, hottest known Jupiter KOI-13.01
13279	Wei	Zheng	The Johns Hopkins University	USA	AR		Characterizing the Young Galaxies at Cosmic Dawn
13394	David	Zurek	American Museum of Natural History	USA	GO	2	Spectroscopic confirmation of the first symbiotic star in a globular cluster