

SUBARU TELESCOPE 20TH ANNIVERSARY – Optical & Infrared Astronomy for the Next Decade –

The 5th NAOJ Symposium / The 7th Subaru Scientific Meeting
November 17th (Sun) 13:00 - 22nd (Fri) 17:20
Waikoloa Beach Marriott Resort & Spa, The Big Island of Hawaii, USA

Program v3.

room	11/17(Sun)	11/18(Mon)			11/19(Tue)		11/20(Wed)			11/21(Thu)		11/22(Fri)	
	PM	AM	PM	5pm-	AM	PM	AM	PM	5pm-	AM	PM	AM	PM
Naupaka 4	GS (observatory MKO reports SSP, Intensive)	GS (TMT, Wide-field)	GS (Wide-field WFIRST)	WFIRST special session	Galaxy Formation (GF)	Galaxy Formation		GS (PFS, ULTIMATE)	special session lead by SAC	Galaxy Formation	Galaxy Formation	PFS Science Session	GS (Keynotes)
Naupaka 5					Local Group and Nearby Galaxies (LGNG)	Local Group and Nearby Galaxies				Local Group and Nearby Galaxies	Local Group and Nearby Galaxies	Solar System	
Naupaka 6					Exoplanet and Star Formation (ExoP)	Exoplanet and Star Formation				Time Domain (Time)	Solar System	Exoplanet and Star Formation	
Naupaka 7					SMBH/Time Joint session	Supermassive Black Holes (SMBH)				Supermassive Black Holes	Supermassive Black Holes	Time Domain	
Naupaka 2,3	Posters												

Official events: Welcome Reception @ Paniolo Terrace at 18:00-19:30 on Sunday 11/17

Banquet @ Lu'au Grounds at 18:00-20:00 on Tuesday 11/19

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| <ul style="list-style-type: none"> P.1 Schedule P.2 Day1 (11/17: Subaru User's Meeting FY2019) P.3 Day2 (11/18: TMT, Future wide-field survey, WFIRST) P.4 Day3 (11/19: Science parallel sessions) P.5 Day4 (11/20: PFS and ULTIMATE) P.6 Day5 (11/21: Science parallel sessions) P.7 Day6 AM (11/22: Science parallel sessions) P.8 Day6 PM (11/22: Science Keynotes) | <ul style="list-style-type: none"> PP.9-10 Exoplanet and Star Formation session PP.11-13 Galaxy Formation session PP.14-15 Local Group and Nearby Galaxies session P.16 Solar System session PP.17-18 Supermassive Black Holes session PP.19-20 Time Domain session P.21 PFS Science session PP.22-23 Posters session |
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Day1 (11/17, Sun): User's Meeting FY2019 @ Naupaka 4

from	to	name	affiliation	title
Business Session (UM FY2019)				
13:00	13:20	Michitoshi Yoshida	Subaru Telescope	Welcome & Subaru Observatory Report
13:20	13:30	Tae-Soo Pyo	Subaru Telescope	Science Operation Report for FY2019
13:30	13:45	Takashi Hattori	Subaru Telescope	Status of Existing Facility Instruments
13:45	13:55	Kiaina Schubert	Subaru Telescope	Status of Computing
13:55	14:05	Hisanori Furusawa	NAOJ	Status report of a new data analysis cluster system
14:05	14:15	Eiji Kambe	Subaru Telescope	Day-time operation report
14:15	14:25	Michael Letawsky	Subaru Telescope	Night Crew Report
14:25	14:35	Hideaki Fujiwara	Subaru Telescope	PIO Report
14:35	14:50	Tadayuki Kodama	Astronomical Institute, Tohoku University	SAC Report
14:50	15:05	Kentaro Motohara	University of Tokyo	TAC Report
15:05	15:40			coffee break
15:40	15:50	Hilton Lewis	W. M. Keck Observatory	W. M. Keck Observatory Update
15:50	16:00	Atsuko Nitta	Gemini Observartory	Gemini Observatory Report
16:00	16:10	Doug Simons	CFHT	Celebrating 40 Years of Discovery and a Bright Future at CFHT
16:10	16:20	Bob McLaren	Institute for Astronomy	The University of Hawaii Perspective
16:20	16:30	Satoshi Miyazaki	NAOJ	Hyper Suprime-Cam SSP
16:30	16:40	Bunei Sato	Tokyo Institute of Technology	Search for planets like Earth around late-M dwarfs: precise radial-velocity survey with IRD
16:40	16:50	Sakurako Okamoto	Subaru Telescope	Subaru Near Field Cosmology Survey
16:50	17:00	Masahiro Takada	Kavli IPMU	Status report on intensive program "Constraining ~10M_sun PBHs with HSC microlensing search of M31 stars"
17:00	17:10	Norio Narita	ABC	Progress report of Subaru IRD TESS Intensive Follow-up Project
17:10	17:20	Yoshiki Matsuoka	Ehime University	Subaru Intensive Searches for the Most Distant Quasars
18:00	19:30			welcome drink @ Paniolo Terrace

Day2 (11/18, Mon): TMT, Wide-Field survey, WFIRST @ Naupaka 4

from	to	name	affiliation	title
8:30	9:00			morning coffee
Synergy with TMT (15min=12+3, 25min=20+5)				
9:00	9:15	Tomonori Usuda	NAOJ	Thirty Meter Telescope (TMT)
9:15	9:40	Chaeles Beichman	NASA Exoplanet Science Institute (IPAC,JPL,Caltech)	Exoplanets in the Era of 30 m Telescopes
9:40	10:05	Mark Dickinson	NOAO	Studying galaxy evolution with TMT and Subaru in the global era of Extremely Large Telescopes
10:05	10:30	Masashi Chiba	Tohoku University	Exploring the Local Universe with TMT
10:30	10:35			short break
Future Wide-Field Survey				
10:35	10:50	Satoshi Miyazaki	NAOJ	Future Wide-Field Survey
10:50	11:30	Michael Wood-Vasey	University of Pittsburgh	The LSST Dark Energy Science Collaboration
11:30	11:55	Jean-Charles Cuillandre	CEA Saclay / Observatoire de Paris	The Euclid Survey
11:55	13:30			lunch @ Paniolo Terrace
13:30	13:55	Mike Hudson	University of Waterloo	Euclid Science and Synergies
13:55	14:20	Jeffrey W Kruk	NASA/GSFC	WFIRST: Project Overview and Status
14:20	14:45	Jason Rhodes	NASA JPL/IPMU	WFIRST's General Observer and Coronagraph Instrument (CGI) Programs
14:45	15:30			afternoon coffee
WFIRST-Subaru Synergy Workshop III (hosted by WFIRST WG)				
15:30	15:50	Takahiro Sumi	Osaka University	Subaru-WFIRST Synergistic Observation white paper
15:50	16:15	Masahiro Takada	Kavli IPMU	Synergetic cosmology program with Subaru and WFIRST
16:15	16:40	Masami Ouchi	NAOJ/U. Tokyo	Subaru-WFIRST Deep Fields and Galaxy Evolution Studies
16:40	17:05	James Rhoads	NASA GSFC	Combining WFIRST and Subaru Observations to Study Cosmic Dawn
17:05	17:15			short break
17:15	19:00			WFIRST special session

Day3 (11/19, Tue): Science Parallel Sessions, Banquet

from	to	Naupaka 4	Naupaka 5	Naupaka 6	Naupaka 7
8:30	9:00	morning coffee			
Morning Session					
9:00	12:00	Galaxy Formation 9:00-11:50	Local Group & Nearby galaxies 9:00-12:00	Exoplanet and Star Formation 9:00-11:50	Joint session (SMBH/TimeDomain) 9:00-12:20
12:00	13:30	lunch @ Paniolo Terrace			
Afternoon Session					
13:30	15:00	Galaxy Formation 13:30-14:55	Local Group & Nearby galaxies 13:30-15:05	Exoplanet and Star Formation 13:30-15:00	Supermassive Black Holes 13:30-15:00
15:00	15:30	afternoon coffee			
15:30	17:00	Galaxy Formation 15:30-17:15	Local Group & Nearby galaxies 15:35-17:05	Exoplanet and Star Formation 15:30-16:50	Supermassive Black Holes 15:30-16:52
18:00	20:00	banquet @ Lu'au Grounds			

Day4 (11/20, Wed): Future Instruments @ Naupaka 4

from	to	name	affiliation	title
PFS Special Session (20min=15+5)				
13:00	13:20	Naoyuki Tamura	Kavli IPMU	PFS: The next generation Subaru's facility instrument under integration
13:20	13:40	Masahiro Takada	Kavli IPMU	PFS SSP survey planning
13:40	14:00	Jeffrey Newman	U. Pittsburgh	PFS and LSST: Stronger Together
14:00	14:20	David Schlegel	Lawrence Berkeley National Lab	DESI Installation Challenges, First Light, and Survey Plan
14:20	14:40	Tadayuki Kodama	Astronomical Institute, Tohoku University	Revealing the build-up of large scale structures and galaxy populations therein with PFS ²
14:40	15:00	Hitoshi Murayama	Kavli IPMU, Univ.Tokyo / UC Berkeley	Why PFS is exciting for fundamental physics
15:00	15:20			Instrument & Software poster flash-talks
15:20	15:50			afternoon coffee
ULTIMATE-Subaru Special Session				
15:50	16:00	Yousuke Minowa	Subaru Telescope	ULTIMATE-Subaru: Project Overview and Current Status
16:00	16:15	Akio Inoue	Waseda University	ULTIMATE prospects for galaxy surveys beyond z=10
16:15	16:30	Kate Whitaker	UMass Amherst	Tracing the Life Cycles of Massive Galaxies up to Cosmic Noon: Prospects with ULTIMATE-Subaru
16:30	16:45	Takashi Moriya	NAOJ	Time domain astronomy with ULTIMATE-Subaru
16:45	17:00	Eric Peng	Peking University	Galaxy evolution in the local Universe with ULTIMATE
17:00	17:15	Daisuke Suzuki	ISAS / JAXA	ULTIMATE microlensing survey
17:15	17:20	Yusei Koyama	Subaru Telescope	ULTIMATE session summary/promotion
17:20	17:30			short break
Subaru Near Future Discussion (lead by Subaru Scientific Advisory Committee)				
17:30	18:30			International Partnership, Instruments Decommission Plan, etc..

Day5 (11/21, Thu): Science Parallel Sessions

from	to	Naupaka 4	Naupaka 5	Naupaka 6	Naupaka 7
8:30	9:00	morning coffee			
Morning Session					
9:00	12:00	Galaxy Formation 9:00-11:45	Local Group & Nearby galaxies 9:00-12:00	Time Domain 9:00-11:50	Supermassive Black Holes 9:00-12:00
12:00	13:30	lunch @ Paniolo Terrace			
Afternoon Session					
13:30	15:00	Galaxy Formation 13:30-14:55	Local Group & Nearby galaxies 13:30-15:05	Solar System 13:30-15:00	Supermassive Black Holes 13:30-15:00
15:00	15:30	afternoon coffee			
15:30	17:00	Galaxy Formation 15:30-16:50	Local Group & Nearby galaxies 15:35-17:30	Solar System 15:30-17:00	Supermassive Black Holes 15:30-17:00

Day6 (11/22, Fri) AM: Science Parallel Sessions

from	to	Naupaka 4	Naupaka 5	Naupaka 6	Naupaka 7
8:30	9:00	morning coffee			
Morning Session					
9:00	12:00	PFS Science 9:00-12:00	Solar System 9:00-12:00	Exoplanet and Star Formation 9:00-12:10	Time Domain 9:00-12:00
12:00	13:30	lunch @ Paniolo Terrace			

Day6 (11/22, Fri) PM: Science Keynotes and closing remarks

from	to	name	affiliation	title
Science Keynotes				
13:30	14:00	Mike Brown	Caltech	The search for Planet Nine
14:00	14:30	Motohide Tamura	University of Tokyo/Astrobiology Center/NAOJ	Exploring Exoplanet and Star/Planet Formation Studies with Subaru
14:30	15:00	Vasily Belokurov	Institute of Astronomy	The Milky Way halo revolution
15:00	15:30			afternoon coffee
15:30	16:00	Jeff Cooke	Swinburne University	The importance and impact of the Subaru Observatory on time domain astronomy
16:00	16:30	Sandra Faber	UC Santa Cruz	Galaxy Formation and Evolution: What Is Simple, and What Remains Mysterious
16:30	17:00	Masayuki Akiyama	Tohoku University	Tracing the accretion growth history of super massive black holes with wide-field surveys
17:00	17:15	Taddy Kodama	Tohoku University	Closing Remarks

Exoplanet and Star Formation session (11/19,22)

DAY3 (11/19, Tue) AM, PM @ Naupaka 6

from	to	name	affiliation	title
8:30	9:00			morning coffee
9:00	9:20	Hervé Bouy	University of Bordeaux, France	Combining 20 years of Subaru data to search for young brown dwarfs and planetary mass objects
9:20	9:40	Per Calissendorff	Stockholm University	Spectral characterization of newly detected young substellar binaries
9:40	10:00	Jinshi Sai	The University of Tokyo/NAOJ	ALMA Observations of the Late-Phase Protostar L1489 IRS: Warped or Misaligned Disk Structure
10:00	10:20	Hiroyuki Ishikawa	SOKENDAI	Detailed Chemical Analysis of M Dwarfs by High-Dispersion Near-Infrared Spectroscopy with IRD
10:20	10:30			short break
10:30	11:10	(I) Masahiro Ikoma	University of Tokyo	Progress in and prospects for understanding of planet formation
11:10	11:30	Yasunori Hori	Astrobiology Center	Are Planets Rare in Open Clusters?
11:30	11:50			poster talks (3 min x 5)
11:50	13:20			lunch @ Paniolo Terrace
13:20	14:00	(I) Mitsuhiro Honda	Okayama University of Science	Evolution of solids and planet formation revealed by Subaru
14:00	14:20	Garima Singh	Observatoire de Paris	Discovery of an azimuthal density gradient in a gas-rich debris disk possibly related to a massive collision
14:20	14:40	Riouhei Nakatani	RIKEN	Radiation Hydrodynamics Simulations of Photoevaporating Protoplanetary Disks: Implications to Metallicity Dependence of Disk Lifetimes
14:40	15:00	Takayuki Muto	Kogakuin University	Multi-wavelength High Resolution Observations of Protoplanetary Disks
15:00	15:30			afternoon coffee
15:30	16:10	(I) Tyler Groff	NASA Goddard Space Flight Center	Exoplanet Imaging with CHARIS and Future Synergies with WFIRST CGI
16:10	16:30	Julien Lozi	Subaru Telescope	New NIR spectro-polarimetric modes for the SCEAO instrument
16:30	16:50	Thayne Currie	NASA-Ames/Subaru	Spectral Characterization of Directly-Imaged Planets with the Subaru Telescope

Day6 (11/22, Fri) AM @ Naupaka 6

from	to	name	affiliation	contents
8:30	9:00			morning coffee
9:00	9:20	Mayuko Mori	University of Tokyo	Transmission Spectroscopy of the Atmosphere of TRAPPIST-1g using Subaru/MOIRCS and Gemini/GMOS-N
9:20	9:40	John Livingston	University of Tokyo	Spitzer observations of the young planet V1298 Tau b
9:40	10:00	Noriharu Watanabe	SOKENDAI (Graduate University for Advanced Studies)	Doppler Tomographic Analysis for Planetary Orbital Precession of WASP-33b
10:00	10:20	Taichi Uyama	NASA Exoplanet Science Institute, Caltech/IPAC	Characterizing a directly-imaged planet Kappa And b with SCEAO
10:20	10:40	Ruben Asensio-Torres	Stockholm University / Max Planck Institute for Astronomy	First results from BEAST: The B-star Exoplanet Abundance Study
10:40	10:50			short break
10:50	11:30	(I) Misato Fukagawa	NAOJ	Star Formation Science with Subaru
11:30	12:10	(I) Olivier Guyon	Subaru Telescope	Imaging Giant Exoplanets with SCEAO and Habitable Planets on TMT

Posters @ Naupaka 2,3

poster_ID	name	affiliation	contents, title
P30	Yasunori Hori	Astrobiology Center	Do the TRAPPIST-1 Planets Have Primordial or Secondary Atmospheres?
P31	Masashi Omiya	Astrobiology Center (ABC/NINS)	Precise radial velocity survey of late-M dwarfs in IRD-SSP : Observation status
P32	Mayuko Ozawa	Department of Earth and Planetary Science, Graduate School of Science, The University of Tokyo	N-body simulations of accretion of ice giant cores in mean motion resonances with gas giants
P33	Yuhei Takagi	Subaru Telescope	High-resolution optical and near-infrared spectroscopy of FU Ori type star V960 Mon
P34	Taichi Uyama	NExScI, Caltech/IPAC	Search for H α from Accreting Protoplanets with SCEXAO+VAMPIRES

Galaxy Formation session (11/19,21)

DAY3 (11/19, Tue) AM, PM @ Naupaka 4

from	to	name	affiliation	title
8:30	9:00			morning coffee
session 1: Early Universe				
9:00	9:25	(I) Ivo Labbe	Swinburne University of Technology	The first billion years of galaxy formation
9:25	9:40	Daichi Kashino	ETH Zurich	Exploring the end tail of cosmic reionization with Subaru/HSC
9:40	9:55	Satoshi Yamanaka	Waseda University	CHORUS: Candidates of Lyman continuum galaxies at $z=3.3$ and 4.9 selected from CHORUS narrow-band data
9:55	10:10	Shotaro Kikuchihiro	University of Tokyo	Early Low-Mass Galaxies and Star-Cluster Candidates at $z\sim 6-9$
10:10	10:25			short break
10:25	10:50	(I) Catlin Casey	UT Austin	Rare galaxies in the early Universe
10:50	11:05	Ken-ichi Tadaki	NAOJ	A sub-kiloparsec-view of the most massive star-forming galaxies at $z>4$
11:05	11:20	Seiji Fujimoto	U. Waseda	First Identification of 10-kpc Scale [CII] $158\mu\text{m}$ Halos around Star-Forming Galaxies at $z=5-7$
11:20	11:35	Ryota Kakuma	The University of Tokyo, ICRR	Cross-Correlation Ly α Intensity Mapping with Star-Forming Galaxies at $z = 5.7$ and 6.6
11:35	11:50			poster talks (1min * 12posters)
11:50	13:30			lunch @ Paniolo Terrace
session2: (Proto-) Cluster 1				
13:30	13:55	(I) Taddy Kodama	Astronomical Institute, Tohoku University	Past 20 years of panoramic studies of distant clusters with Subaru and the Future
13:55	14:10	Satoshi Kikuta	Sokendai / NAOJ	Lyman-alpha view around a $z = 2.84$ hyperluminous QSO at a node of the cosmic web
14:10	14:25	Michael Rich	UCLA	Extended Lyman Alpha Nebulae associated with Radio Overdensities at $z\sim 3$
14:25	14:40	Hideki Umehata	RIKEN	Gas filaments connecting galaxies and supermassive black holes in a proto-cluster
14:40	14:55	Andrew Newman	Carnegie Observatories	LATIS: Mapping the IGM and Galaxy Environments at $z\sim 2.5$ with Magellan
14:55	15:30			afternoon coffee
session3: (Proto-) Cluster 2				
15:30	15:45	Tomoko Suzuki	Tohoku Univ./NAOJ	Dissecting star-forming region within galaxies in a proto-cluster at $z=2.53$ with Subaru/IRCS+AO188
15:45	16:00	Tao Wang	University of Tokyo	Environmental effects on massive galaxy formation from the most distant X-ray clusters
16:00	16:15	Shigeru Namiki	SOKENDAI	The environmental impacts on the mass-metallicity relation at $z=1.52$.
16:15	16:30	Masao Hayashi	NAOJ	Probing large-scale structures at $z<1.6$ by HSC wide-field survey
16:30	16:45	Mike Hudson	University of Waterloo	First weak lensing results from the UNION Survey
16:45	17:00	Takashi Kojima	University of Tokyo	Extremely Metal-poor Galaxies Probed with Subaru/HSC Deep Imaging and Optical Spectroscopy
17:00	17:15	Tetsuya Hashimoto	National Tsing Hua University	A young galaxy cluster in the old Universe

Day5 (11/21, Thu) AM, PM @ Naupaka 4

from	to	name	affiliation	title
8:30	9:00			morning coffee
session4: IGM and Star Formation				
9:00	9:25	(I) Gwen Rudie	Carnegie Observatories	The Circumgalactic Medium of Star-Forming Galaxies at $2 < z < 3$
9:25	9:40	Yuma Sugahara	ICRR, UTokyo	Fast Outflows Identified in Early Star-Forming Galaxies at $z = 5-6$
9:40	10:05	(I) Annalisa Pillepich	MPIA	Universe(s) in a box: insights from the TNG simulations and needed steps forward
10:05	10:20			short break
10:20	10:45	(I) Camilla Pacifici	STScI	Synergy between galaxy models and observations to unveil the high-redshift Universe
10:45	11:00	Ken Mawatari	Institute for Cosmic Ray Research, University of Tokyo	Balmer Break Galaxy candidates in the Reionization Epoch: Hint on Star-Formation Activity at $z > 10$
11:00	11:15	Tomo Goto	National Tsing Hua University	Revealing cosmic star formation history and black hole accretion history with AKARI and the HSC
11:15	11:30	Andrea Silva	NAOJ	The star formation properties of merging galaxies at $0.3 < z < 2.5$
11:30	11:45	Erin Kado-Fong	Princeton University	Integrated Light Tidal Features Across the Mass Spectrum: Results from HSC-SSP
11:45	13:30			lunch @ Paniolo Terrace
session5: Massive Galaxies 1				
13:30	13:55	(I) Sirio Belli	MPE / CfA	The Star Formation Histories of Massive Quiescent Galaxies at $z \sim 2$
13:55	14:10	Danilo Marchesini	Tufts University	A Complete and Unbiased Photometric View of Ultra-massive Galaxies in the First 2 Gyr of Cosmic History
14:10	14:25	Masayuki Tanaka	NAOJ	Stellar velocity dispersion of a massive galaxy with suppressed star formation at $z=4.01$
14:25	14:40	Francesco Valentino	Cosmic Dawn Center - Niels Bohr Institute	Quiescent galaxies at $z \sim 4$: formation and evolution
14:40	14:55	Kate Whitaker	UConn	The REQUIEM Survey: REsolving QUIEscent Magnified Galaxies
14:55	15:30			afternoon coffee
session6: Massive Galaxies 2				
15:30	15:55	(I) Takahiro Morishita	STScI	Probing evolution and quenching histories of massive galaxies at high redshift
15:55	16:20	(I) David Sanders	University of Hawaii, Institute for Astronomy	The Hawaii Two-0 Survey: The Evolution of Massive Galaxies at $3 < z < 7$
16:20	16:35	Po-Feng Wu	Max Planck Institute for Astronomy	Multiple paths from star-forming to quiescence: tracing galaxy formation with deep spectroscopic survey
16:35	16:50	Pieter Van Dokkum	Yale University	The sizes of massive galaxies in COSMOS-DASH

Posters @ Naupaka 2,3

poster_ID	name	affiliation	title
P35	Shiro Mukae	Univ. Tokyo	HETDEX-HSC: Wide-Field Imaging Survey for Hobby-Eberly Telescope Dark Energy Experiment
P36	Akio Inoue	Waseda University	CHORUS: Cosmic Hydrogen Reionization Unveiled with Subaru
P37	Kazuyuki Ogura	Bunkyo University	Semi-analytic examination for the cosmic variance on the H-alpha emitter distribution
P38	Yongming Liang	SOKENDAI / NAOJ	Correlation between galaxy and IGM at $z \sim 2.2$ based on Subaru/HSC MAMMOTH overdensities and SDSS/(e)BOSS quasar spectra
P39	Masanori Iye	NAOJ	Subaru Study on the Spin Parity Distribution of Galaxies and Structure Formation
P40	Hisanori Furusawa	NAOJ	A study of bright star-forming galaxies at redshift 7 using Subaru Telescope
P41	Nozomu Tamada	Ehime University	Hunting optical counterparts of high- z DLAs with Subaru/HSC
P42	Yasunori Terao	University of Tokyo	H alpha emitters at $z \sim 2.1-2.5$: selection from broad-band photometry
P43	Naoaki Yamamoto	Tohoku University	Various evolutionary stages of galaxy clusters at high redshifts
P44	Makoto Ando	The University of Tokyo	Exploring Galaxy Proto-Cluster Cores at $z \sim 2$
P45	Umi Kobayashi	NAOJ/SOKENDAI	Influence of galaxy mergers on AGN activities
P56	Sadman Ali	Subaru Telescope	Characteristics and evolution of the UV upturn phenomenon in cluster early-type galaxies

Local Group and Nearby Galaxies session (11/19,21)

DAY3 (11/19, Tue) AM, PM @ Naupaka 5

from	to	name	affiliation	title
8:30	9:00			morning coffee
The Milky Way Galaxy (Chair: Rosemary F. G. Wyse)				
9:00	9:35	(I) Michael Rich	UCLA	New Surveys in the Galactic Bulge
9:35	9:55	Noriyuki Matsunaga	The University of Tokyo	Near-infrared windows of precise and detailed chemical measurements for galactic archaeology
9:55	10:15	Daisuke Suzuki	ISAS / JAXA	Extinction study toward the Inner Milky Way with Subaru HSC
10:15	10:35	Wenbo Wu	National Astronomical Observatories, CAS	Mass segregation -- a new indicator of binary, IMBH, stellar-mass black hole
10:35	11:00			short break
(Chair: Noriyuki Matsunaga)				
11:00	11:20	Haining Li	National Astronomical Observatories, CAS	LAMOST/Subaru exploration on the early evolution and formation of the Milky Way
11:20	11:40	Wako Aoki	National Astronomical Observatory of Japan	Mass estimates for early generation stars from detailed abundance patterns of Carbon-Enhanced Metal-Poor stars
11:40	12:00	Tadafumi Matsuno	NAOJ/SOKENDAI	Combining spectroscopy and asteroseismology for halo stars
12:00	13:30			lunch @ Paniolo Terrace
(Chair: Wako Aoki)				
13:30	13:50	Miho N. Ishigaki	Tohoku University	Interpreting spectroscopic survey data for metal-poor stars with supernova yield models
13:50	14:10	Takanobu Kirihara	Chiba University	Effect of interstellar objects on metallicity of low-mass first stars formed in a cosmological model
Dwarf galaxies				
14:10	14:45	(I) Kim Venn	University of Victoria	Spectroscopic Surveys of Stars in Dwarf Galaxies
14:45	15:05	Evan Kirby	Caltech	Sub-Chandrasekhar Type Ia Supernovae in Dwarf Galaxies
15:05	15:35			afternoon coffee
(Chair: Evan Kirby)				
15:35	15:55	Kohei Hayashi	ICRR, The University of Tokyo	Diversity of the dark matter distributions in the Galactic dwarf satellites
15:55	16:10			Poster talks (3min x 4)
Local Group				
16:10	16:45	(I) Masashi Chiba	Tohoku University	New Insights into the Stellar and Dark Halos in the Milky Way and Andromeda as Revealed from Subaru
16:45	17:05	Rosemary Wyse	Johns Hopkins University	The Old are Rich: Metallicity Distributions of Old Stars in the Milky Way and M31

Day5 (11/21, Thu) AM, PM @ Naupaka 5

from	to	name	affiliation	title
8:30	9:00			morning coffee
(Chair: Kohei Hayashi)				
9:00	9:20	Yutaka Komiyama	NAOJ	Subaru Hyper Suprime-Cam Wide-Field Imaging Survey of the Local Group Galaxies: Andromeda and the Seven Dwarfs
9:20	9:55	(I) Karoline Gilbert	Space Telescope Science Institute	The Power of Wide Field Surveys for Revealing the Past, Present and Future of the Andromeda System
9:55	10:15	Ivanna Escala	Caltech	Iron and Alpha Element Abundances in the Outer Disk, Giant Southern Stream, and Inner Halo of Andromeda
10:15	10:45			short break
(Chair: Yutaka Komiyama)				
10:45	11:05	Jennifer Wojno	Johns Hopkins University	The Chemical Evolution of Andromeda's Satellites from Coadded Spectra
11:05	11:25	Masayuki Tanaka	NAOJ	The Missing Satellite Problem Outside Of The Local Group
11:25	12:00	(I) Eric Peng	Peking University	Wide-field imaging and spectroscopy of the nearest galaxy cluster
12:00	13:30			lunch @ Paniolo Terrace
Nearby Galaxies (Chair: Raja GuhaThakurta)				
13:30	13:50	Jin Koda	Stony Brook University	Star Formation and the IMF in the Outskirts of Nearby Galaxies
13:50	14:25	(I) Laura Ferrarese	National Research Council of Canada	Super-massive black holes in nearby galaxies
14:25	14:45	Aaron Romanowsky	San Jose State University / University of California	Chemodynamics and dark matter in galaxies beyond the Local Group
14:45	15:05	Zehao Zhong	National Astronomical Observatories, Chinese Academy of	The mass-to-light ratios and dark matter fractions of the dwarf ETGs from IFU galaxy surveys
15:05	15:35			afternoon coffee
(Chair: Jin Koda)				
15:35	15:55	Raja GuhaThakurta	University of California Santa Cruz	Keck Spectroscopy of the Resolved Stellar Populations of Local Group/Local Volume Galaxies
15:55	16:30	(I) Brent Tully	University of Hawaii	Galaxy Distances and Peculiar Velocities
16:30	16:50	Nobuo Arimoto	National Astronomical Observatory of Japan	An HSC View of M81 Group of Galaxies
16:50	17:10	Shany Danieli	Yale University	The Nature of Low Mass Galaxies Beyond the Local Group with the Dragonfly Telephoto Array
17:10	17:30	Scott Carlsten	Princeton University	Studying Nearby Satellite Galaxy Systems with Wide-field Surveys and Surface Brightness Fluctuations

Posters @ Naupaka 2,3

poster_ID	name	affiliation	title
P46	Kumiko Morihana	Nagoya University	Identification of faint X-ray sources composing Galactic Ridge X-ray Emission by Subaru/MOIRCS
P47	Kana Morokuma	The University of Tokyo	Multi-phase ISM properties of a nearby radio galaxy NGC1316
P48	Rie Miura, E.	NAOJ	Embedded Massive Young Stellar Objects in the Giant Molecular Clouds of M33
P49	Ichi Tanaka	Subaru Telescope	A Hidden Past of NGC 720 as Revealed from the Deep HSC Imaging

Solar System session (11/21,22)

DAY5 (11/21, Thu) PM @ Naupaka 6

from	to	name	affiliation	title
12:00	13:30			lunch @ Paniolo Terrace
13:30	14:00	(I) Fumi Yoshida	Planetary Exploration Research Center, Chiba Institute of	Solar System sciences with Subaru telescope
14:00	14:30	(I) Hideyo Kawakita	Kyoto Sangyo University Koyama Astronomical Observatory	Cometary Science from the Subaru Telescope
14:30	15:00	(I) Takafumi Otsubo	ISAS/JAXA	Mid-infrared observations and mineralogy of comet dust grains with Subaru/COMICS
15:00	15:30			afternoon coffee
15:30	16:00	(I) JJ Kavelaars	National Research Council of Canada	Observing the distant solar system with Subaru and the New Horizons spacecraft.
16:00	16:30	(I) Glenn Orton	Jet Propulsion Laboratory, California Institute of Technology	Ground-Based Thermal-Infrared Investigations of Planetary Atmospheres
16:30	17:00	(I) Ruobing Dong	University of Victoria	Observing the Formation of Solar System Planet Analogs

Day6 (11/22, Fri) AM @ Naupaka 5

from	to	name	affiliation	title
8:30	9:00			morning coffee
9:00	9:30	(I) Rosemary Pike	ASIAA	Mapping Surface Colors of TNOs through Large Surveys
9:30	10:00	Shuya Tan	Earth-Life Science Institute, Tokyo Institute of Technology	Observations of Europa's surface materials with Subaru/IRCS and its comparison with laboratory experiments
10:00	10:30	(I) Dave Tholen	University of Hawaii	Asteroids Near and Far
10:30	11:00	Stefanie Milam	NASA/GSFC	Detailed Studies on Small Bodies in the Solar System with Subaru and WFIRST synergies
11:00	12:00			discussion

Supermassive Black Holes session (11/19, 11/21)

DAY3 (11/19, Tue) AM, PM @ Naupaka 7

from	to	name	affiliation	title
8:30	9:00			morning coffee
High-energy neutrino, AGN variability (joint session with Time Domain)				
9:00	9:40	(I) Shigeru Yoshida	Chiba University	Multi-messenger astronomy with high energy neutrinos
9:40	10:00	Haoning He	RIKEN	Neutrinos from Choked Jets Accompanied by Type-II Supernovae
10:00	10:20	Tomoki Morokuma	The University of Tokyo	Subaru+Gemini follow-up for IceCube high-energy neutrinos
10:20	10:40	Mitsuru Kokubo	Tohoku University	Properties of variability-selected AGNs in the HSC SSP Transient Survey in COSMOS
10:40	11:00			break
11:00	11:20	Toru Yamada	ISAS/JAXA	Variability Search for Faint AGN using the HSC SSP-Survey Data: Variability properties of the low-luminosity AGN in the COSMOS field
11:20	11:40	Shunsuke Onishi	The University of Tokyo, ISAS/JAXA	The line-of-sight velocity variation of CO ro-vibrational lines in the ULIRG IRAS 08572+3915
11:40	12:00	Chien-Hsiu Lee	NOAO	ANTARES: a community broker for ZTF and LSST
12:00	13:30			lunch @ Paniolo Terrace
13:30	14:00	(I) Jenny Greene	princeton	Mergers, Black Hole Binaries, and PFS
14:00	14:20	Maria Charisi	Caltech	Searching for sub-parsec supermassive black hole binaries
14:20	14:40	Malte Schramm	NAOJ	A potential high-z dwarf galaxy discovered by ALMA and SUBARU/IRCS
14:40	15:00	Tetsuya Hashimoto	National Tsing Hua University	One step toward understanding cosmic re-ionization: absorption tests with a new QSO we discovered at z=6.6
15:00	15:30			afternoon coffee
15:30	16:00	(I) Chris Harrison	European Southern Observatory	AGN Outflows and Feedback Across Cosmic Time
16:00	16:20	Toru Misawa	Shinshu University	Properties of Narrow Absorption Line Systems in AGN Outflow
16:20	16:40	Tohru Nagao	Ehime University	High-z narrow-line regions in AGNs
16:40	16:52			poster session (3min * 4posters)

Day5 (11/21, Thu) AM, PM @ Naupaka 7

from	to	name	affiliation	title
8:30	9:00			morning coffee
9:00	9:30	(I) Silvia Mateos	Instituto de Física de Cantabria (CSIC-UC)	Uncovering highly obscured SMBH growth
9:30	9:50	Masatoshi Imanishi	NAOJ	Luminous buried AGNs in merging ultraluminous infrared galaxies revealed with Subaru and ALMA
9:50	10:10	Yoshiki Toba	Kyoto University	Multi-wavelength view of dust-obscured galaxies
10:10	10:30	Akatoki Noboriguchi	Ehime University	Discovery of blue-excess dust-obscured galaxies viewed with Subaru Hyper Suprime-Cam
10:30	10:50			break
10:50	11:20	(I) Kohei Ichikawa	Tohoku University	Obscured SMBH assembly using multi-wavelength and wide-field surveys
11:20	11:40	Takuji Yamashita	NAOJ	Wide and Deep Exploration of Radio Galaxies with Subaru HSC (WERGS)
11:40	12:00	Kianhong Lee	University of Tokyo	The radio-loud fraction and the mean radio-loudness of high-z low-luminosity HSC quasars
12:00	13:30			lunch @ Paniolo Terrace
13:30	14:00	(I) Stephanie LaMassa	Space Telescope Science Institute	Demographics of X-ray and Mid-Infrared Selected AGN from the Wide-Area Stripe 82X Survey
14:00	14:20	Hyewon Suh	Subaru Telescope	The most obscured phase of accreting black holes at high redshift: First accreting black hole candidates
14:20	14:40	Masafusa Onoue	MPIA	Probing the early SMBH evolution at the frontiers: deep NIR observations of z=6-7 quasars
14:40	15:00	Nanako Kato	Ehime University	A search for high-z red quasars with the Subaru HSC and WISE data
15:00	15:30			afternoon coffee
15:30	16:00	(I) Luis Ho	Kavli Institute for Astronomy and Astrophysics, Peking University	Fundamental Physical Properties of Quasar Host Galaxies
16:00	16:20	Toru Ishino	Ehime University	Subaru Hyper Suprime-Cam View of Quasar Host Galaxies at $z < 1$
16:20	16:40	Yuya Saeda	Ehime University	Stacking analysis of quasar host galaxies at $z > 1$ with Subaru HSC
16:40	17:00	John Silverman	Kavli IPMU	The growth of supermassive black holes and their host galaxies from HST to HSC

Posters @ Naupaka 2,3

poster_ID	name	affiliation	title
P50	Kazuma Joh	Ehime University	Influence of the AGN activity on ionized gas clouds in narrow-line regions of AGNs
P51	Daisuke Itoh	Shinshu U.	Estimating a distance of intrinsic NAL absorbers
P52	Shenli Tang	Kavli IPMU / University of Tokyo	The study of dual QSOs as tracers of galaxy mergers
P53	Kohei Iwashita	Ehime University	CHORUS: A new search for type-2 AGNs at high-z by focusing on dual-NB emitters with HSC-SSP and CHORUS
P57	Shintaro Koshida	Subaru Telescope	Searching for hot dust surrounding SMBH with HSC transient survey catalog

Time Domain session (11/19,21,22)

DAY3 (11/19, Tue) AM @ Naupaka 7

from	to	name	affiliation	title
8:30	9:00			morning coffee
session 1: High-energy neutrino, AGN variability (joint session with Supermassive Black Holes)				
9:00	9:40	(I) Shigeru Yoshida	Chiba University	Multi-messenger astronomy with high energy neutrinos
9:40	10:00	Haoning He	RIKEN	Neutrinos from Choked Jets Accompanied by Type-II Supernovae
10:00	10:20	Tomoki Morokuma	The University of Tokyo	Subaru+Gemini follow-up for IceCube high-energy neutrinos
10:20	10:40	Mitsuru Kokubo	Tohoku University	Properties of variability-selected AGNs in the HSC SSP Transient Survey in COSMOS
10:40	11:00			break
11:00	11:20	Toru Yamada	ISAS/JAXA	Variability Search for Faint AGN using the HSC SSP-Survey Data: Variability properties of the low-luminosity AGN in the COSMOS field
11:20	11:40	Shunsuke Onishi	The University of Tokyo, ISAS/JAXA	The line-of-sight velocity variation of CO ro-vibrational lines in the ULIRG IRAS 08572+3915
11:40	12:00	Chien-Hsiu Lee	NOAO	ANTARES: a community broker for ZTF and LSST
12:00	13:30			lunch @ Paniolo Terrace

DAY5 (11/21, Thursday) AM @ Naupaka 6

from	to	name	affiliation	title
8:30	9:00			morning coffee
session 2: Gravitational waves, ongoing/future surveys				
9:00	9:40	(I) Marcelle Soares-Santos	Brandeis University	Cosmology in the era of multi-messenger astronomy with gravitational waves
9:40	10:00	Masaomi Tanaka	Tohoku University	Optical/infrared counterparts of gravitational wave sources
10:00	10:20	Mahito Sasada	Hiroshima University	J-GEM Optical and NIR Follow-Up in Gravitational-Wave Third Observing Run
10:20	10:40	Takayuki Ohgami	Konan University	Subaru/Hyper Suprime-Cam survey for finding gravitational wave counterpart
10:40	11:00			break
11:00	11:40	(I) Francisco Forster	University of Chile	High cadence surveys and the future ecosystem of time domain astronomy
11:40	11:50			Poster presentation (x 2)
12:00	13:30			lunch @ Paniolo Terrace

DAY6 (11/22, Friday) AM @ Naupaka 7

from	to	name	affiliation	title
8:30	9:00			morning coffee
session 3: Supernovae				
9:00	9:40	(I) Takashi Moriya	NAOJ	High-redshift supernova surveys with Subaru
9:40	10:00	Ji-an Jiang	Kavli IPMU	Unveiling the Nature of Type Ia Supernovae with Early-phase Information Obtained from Subaru Deep Imaging Surveys
10:00	10:20	Sei Saito	Tohoku University	Spectropolarimetry of Superluminous Supernova
10:20	10:40	Masahiro Matsuda	Tohoku university	Luminous Supernovae from Subaru HSC
10:40	11:00			break
11:00	11:20	Ichiro Takahashi	Kavli IPMU	Photometric Classification of the HSC Transients through Machine Learning
11:20	11:40	Nozomu Tominaga	Konan University	High-cadence transient surveys with Subaru/Hyper Suprime-Cam
11:40	12:00	Nao Suzuki	Kavli IPMU, Univ of Tokyo	Progress Report on HSC SNIa Cosmology Program
12:00	13:30			lunch @ Paniolo Terrace

Posters @ Naupaka 2,3

poster_ID	name	affiliation	title
P54	Yen-Chen Pan	NAOJ	Probing the Progenitor Metallicity of SNe Ia with Ultraviolet Spectra
P55	Kengo Takagi	Hiroshima University	Structure of circumstellar matter in helium nova V445 Puppis and its time evolution

PFS Science session (11/22)

DAY6 (11/22, Fri) AM @ Naupaka 4

from	to	name	affiliation	contents, title
PFS Science Session (12+3min)				
8:30	9:00			morning coffee
9:00	9:15	Hironao Miyatake	Nagoya University	Cosmological constraints from galaxy-galaxy lensing and clustering with the Subaru HSC and SDSS BOSS data
9:15	9:30	Ryu Makiya	Kavli IPMU	Forecast for PFS cosmology survey
9:30	9:45	Naonori Sugiyama	NAOJ	Will galaxy bispectrum measurements enhance the science return from PFS?
9:45	10:00	Sune Toft	Cosmic Dawn Survey	The epoch of reionization with the Prime Focus Spectrograph
10:00	10:15	Masanori Iye	NAOJ	Subaru Study on the SPin Parity Distribution of Galaxies and Structure Formation
10:15	10:30	Khee-Gan Lee	Kavli IPMU	3D Tomographic Mapping of the z~2-3 IGM with Subaru PFS
10:30	10:45	Yoshiki Matsuoka	Ehime University	Shedding New Light on the AGN Demographics with Prime Focus Spectrograph
10:45	11:00	Rieko Momose	University of Tokyo	What can we learn about the IGM-galaxy connection from 3D tomography map?
11:00	11:15	Rosemary Wyse	Johns Hopkins University	The Disequilibrium State of the Milky Way Disk
11:15	11:30	Brent Belland	California Institute of Technology	NGC 6822 as a probe of morphological evolution of dwarf galaxies
11:30	11:45	Kohei Hayashi	ICRR, The University of Tokyo	Dark matter in dwarf galaxies in the Subaru-PFS era
11:45	12:00	Evan Kirby	Caltech	Stellar Abundances in the Local Group: Keck Now, PFS Soon
12:00	13:30			lunch @ Paniolo Terrace

Posters @ Naupaka 2,3

poster_ID	sessions	name	affiliation	title
P01	Inst	Naoyuki Tamura	Kavli IPMU	Prime Focus Spectrograph (PFS): Overview of the instrumentation and its current status
P02	Inst	Shiang-Yu Wang	ASIAA	Prime Focus Spectrograph (PFS): The metrology camera system
P03	Inst	Shiang-Yu Wang	ASIAA	Prime Focus Spectrograph (PFS): The status of integration and testing of Prime Focus Instrument
P04	Inst	Daniel Reiley	Caltech	Prime Focus Spectrograph (PFS): Delivery of subassemblies from Caltech
P05	Inst	Brent Belland	California Institute of Technology	Prime Focus Spectrograph (PFS): FRD testing of individual Cobras and Cobra modules
P06	Inst	David Le Mignant	Laboratoire d'Astrophysique de Marseille (LAM, Aix-Marseille Université, CNRS)	Prime Focus Spectrograph (PFS): integration and performance tests of the spectrograph modules
P07	Inst	Ligia Souza de Oliveira	Laboratorio Nacional de Astrofisica - Brazil	Prime Focus Spectrograph (PFS): Fiber Optics System
P08	Inst	Graham J. Murray	Durham University	Fibre Cables from FMOS to PFS and beyond - Development of a Unique Fibre Cable Manufacturing Process for Subaru MOS Projects.
P09	Inst	Neven Caplar	Princeton University	Prime Focus Spectrograph (PFS): Development of the 2D sky subtraction algorithm
P10	Inst	Takuji Yamashita	NAOJ	Prime Focus Spectrograph (PFS): Development in flux calibration and sky subtraction
P11	Inst	Vincent Le Brun	Laboratoire d'Astrophysique de Marseille	Prime Focus Spectrograph (PFS) : An overview of the automatic redshift measurement and spectral analysis pipeline
P12	Inst	Maximilian Fabricius	Max-Planck for Extraterrestrial Physics	Prime Focus Spectrograph (PFS): Fiber assignment and Survey Planning
P13	Inst	Kiyoto Yabe	Kavli IPMU	Prime Focus Spectrograph (PFS): the SSP survey plan and simulations
P14	Inst	Kiyoto Yabe	Kavli IPMU	Prime Focus Spectrograph (PFS): the expected performance
P15	Inst	Masayuki Tanaka	NAOJ	Prime Focus Spectrograph (PFS): Science Database
P16	Inst	Junko Furusawa	Astronomy Data Center, NAOJ	Current Status of SMOKA
P17	Inst	Hisanori Furusawa	NAOJ	Hyper Suprime-Cam SSP Public Data Release 2
P18	Inst	Stephen Gwyn	Canadian Astronomy Data Centre	Stacking the Suprime-Cam image archive at the CADC
P19	Inst	Masayuki Kuzuhara	Astrobiology Center, NINS / NAOJ	Instrument, Software, and Operation Status of the InfraRed Doppler Spectrograph (IRD)
P20	Inst	Kentaro Motohara	University of Tokyo	Performance of New NIR Imager/MOS Spectrograph SWIMS on the Subaru Telescope
P21	Inst	Sebastien Vievard	Subaru Telescope - Observatoire de Paris - Astrobiology Center	FIRST instrument at Subaru - Status and upgrades
P22	Inst	Malte Schramm	NAOJ	A second generation astro-comb for SUBARU/HDS
P23	Inst	Koki Terao	Tohoku University	ULTIMATE-START I: Subaru Tomography Adaptive optics Research experiment overview
P24	Inst	Yoshito Ono	Subaru Telescope	ULTIMATE-START II : Performance evaluation with AO simulations
P25	Inst	Hajime Ogane	Tohoku University	ULTIMATE-START III : Atmospheric turbulence profiling for a tomography AO
P26	Inst	Yosuke Minowa	Subaru Telescope	ULTIMATE-Subaru: Project overview and current status
P27	Inst	Yusei Koyama	Subaru Telescope	ULTIMATE-Subaru: science overview
P28	Inst	Kentaro Motohara	University of Tokyo	ULTIMATE-WFI : Wide Field Imager with 200 square arcmin FoV
P29	Inst	Etsuko Mieda	Subaru Telescope	Laser Guide Star Facility upgrade for ULTIMATE: SCAO, LTAO, and GLAO at Subaru
P30	ExoP	Yasunori Hori	Astrobiology Center	Do the TRAPPIST-1 Planets Have Primordial or Secondary Atmospheres?
P31	ExoP	Taichi Uyama	NExScI, Caltech/IPAC	Search for H α from Accreting Protoplanets with SCExAO+VAMPIRES
P32	ExoP	Mayuko Ozawa	Department of Earth and Planetary Science, Graduate School of Science, The University of Tokyo	N-body simulations of accretion of ice giant cores in mean motion resonances with gas giants

P33	ExoP	Yuhei Takagi	Subaru Telescope	High-resolution optical and near-infrared spectroscopy of FU Ori type star V960 Mon
P34	ExoP	Masashi Omiya	Astrobiology Center (ABC/NINS)	Precise radial velocity survey of late-M dwarfs in IRD-SSP : Observation status
P35	GF	Shiro Mukae	Univ. Tokyo	HETDEX-HSC: Wide-Field Imaging Survey for Hobby-Eberly Telescope Dark Energy Experiment
P36	GF	Akio Inoue	Waseda University	CHORUS: Cosmic HydrOgen Reionization Unveiled with Subaru
P37	GF	Kazuyuki Ogura	Bunkyo University	Semi-analytic examination for the cosmic variance on the H-alpha emitter distribution
P38	GF	Masanori Iye	NAOJ	Subaru Study on the Spin Parity Distribution of Galaxies and Structure Formation
P39	GF	Yongming Liang	SOKENDAI / NAOJ	Correlation between galaxy and IGM at $z \sim 2.2$ based on Subaru/HSC MAMMOTH overdensities and SDSS/(e)BOSS quasar spectra
P40	GF	Hisanori Furusawa	NAOJ	A study of bright star-forming galaxies at redshift 7 using Subaru Telescope
P41	GF	Nozomu Tamada	Ehime University	Hunting optical counterparts of high- z DLAs with Subaru/HSC
P42	GF	Yasunori Terao	University of Tokyo	H alpha emitters at $z \sim 2.1-2.5$: selection from broad-band photometry
P43	GF	Naoaki Yamamoto	Tohoku University	Various evolutionary stages of galaxy clusters at high redshifts
P44	GF	Makoto Ando	The University of Tokyo	Exploring Galaxy Proto-Cluster Cores at $z \sim 2$
P45	GF	Umi Kobayashi	NAOJ/SOKENDAI	Influence of galaxy mergers on AGN activities
P46	LGNG	Kana Morokuma	The University of Tokyo	Multi-phase ISM properties of a nearby radio galaxy NGC1316
P47	LGNG	Kumiko Morihana	Nagoya University	Identification of faint X-ray sources composing Galactic Ridge X-ray Emission by Subaru/MOIRCS
P48	LGNG	Rie Miura, E.	NAOJ	Embedded Massive Young Stellar Objects in the Giant Molecular Clouds of M33
P49	LGNG	Ichi Tanaka	Subaru Telescope	A Hidden Past of NGC 720 as Revealed from the Deep HSC Imaging
P50	SMBH	Kazuma Joh	Ehime University	Influence of the AGN activity on ionized gas clouds in narrow-line regions of AGNs
P51	SMBH	Daisuke Itoh	Shinshu U.	Estimating a distance of intrinsic NAL absorbers
P52	SMBH	Shenli Tang	Kavil IPMU / University of Tokyo	The study of dual QSOs as tracers of galaxy mergers
P53	SMBH	Kohei Iwashita	Ehime University	CHORUS: A new search for type-2 AGNs at high- z by focusing on dual-NB emitters with HSC-SSP and CHORUS
P54	Time	Yen-Chen Pan	NAOJ	Probing the Progenitor Metallicity of SNe Ia with Ultraviolet Spectra
P55	Time	Kengo Takagi	Hiroshima University	Structure of circumstellar matter in helium nova V445 Puppis and its time evolution
P56	GF	Sadman Ali	Subaru Telescope	Characteristics and evolution of the UV upturn phenomenon in cluster early-type galaxies
P57	SMBH	Shintaro Koshida	Subaru Telescope	Searching for hot dust surrounding SMBH with HSC transient survey catalog