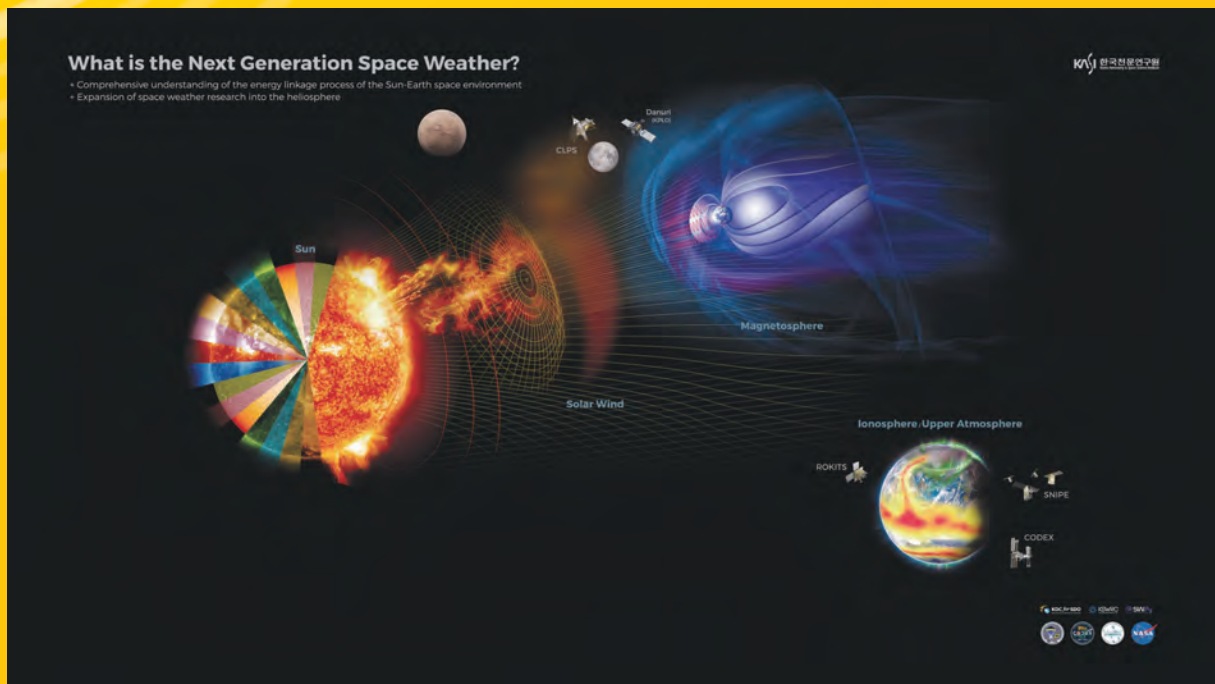


한국천문학회보

THE BULLETIN OF THE KOREAN ASTRONOMICAL SOCIETY



KASI is developing

Next Generation High-Resolution IR spectrographs

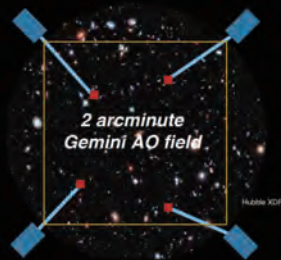
GIRMOS

Gemini Infrared Multi-Object Spectrograph

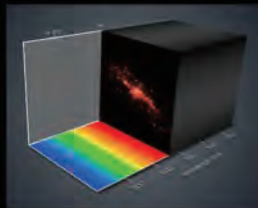
Gemini North / LTAO



Object Selector
4 objects simultaneously



NIR IFU
w/ Mirror Slicer



Wavelength Range	0.95 - 2.4 μm
Spectral Resolution (R)	3,000 / 8,000
IFS FoV	1x1' / 2x2' / 4x4'
Spaxel Sampling	0.025' / 0.05' / 0.1'
Patrol Field	2' diameter

- The development of GIRMOS is being led by the University of Toronto (UofT) Dunlap's Prof. Suresh Sivanandam, and is being primarily funded through a Canadian Foundation for Innovation award.
- The commissioning of GIRMOS is expected in late 2027.

MagNIFIES

Magellans' Near-Infrared Five-band Immersion grating Efficient Spectrograph

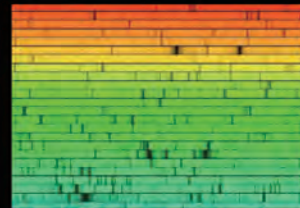
Magellan



Simultaneous 5 band coverage
JHKLM; 1.08-5.4 μm



Long-slit Echelle w/
Immersion Grating



Wavelength Range	1.08 - 5.4 μm
Spectral Resolution (R)	45,000 (1.08 - 2.45 μm) 60,000 (2.9 - 5.4 μm)
Slit Dimension	0.36' x 5.5'
RV precision	< 50 m/sec

- KASI is a major contributor of MagNIFIES, together with University of Texas at Austin and Carnegie Institution for Sciences.
- MagNIFIES is scheduled for commissioning in 2027 and will be reconfigured for installation at GMT after approximately 5 years of science operation.

목 차

<2023년 가을 제108차 한국천문학회 학술대회 일정 및 발표논문 초록>

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표지사진: 차세대 우주환경 연구 (Next-Generation Space Weather)

한국천문연구원은 위성망·통신망의 글로벌화와 우주탐사시대를 대비하여 전지구적 우주환경 영역에서 태양권으로 확장한 우주환경의 이해와 위험 대비를 위해 차세대 우주환경 연구 사업을 추진 중이다. 차세대 우주환경 연구는 태양-지구 간 그리고 달/화성을 포함한 태양권까지 연계한 우주환경 변화의 종합적 인과관계를 이해하고, 전지구 지상관측 네트워크와 우주 기반 관측기를 통해 얻는 우주환경 정보를 빅데이터 및 인공지능 기반으로 분석하며, 이들을 토대로 태양-지구 간 우주환경 전 영역이 연계된 우주환경통합 예측모델을 개발한다.

2023년 가을 제108차 한국천문학회 학술대회 안내

1. 학술대회 개요

- (1) 일시 : 2023년 10월 18일 (수) 12:00 ~ 10월 20일 (금) 15:20
- (2) 장소 : 라마다프라자호텔 제주 2층
 - 구두발표 : 그랜드볼룸
 - 포스터발표 : 2층 로비
 - 연구 및 기업홍보 전시부스 : 2층 로비
- (3) 후원 : 한국과학기술단체총연합회, 경북대학교 고에너지물리연구소



2. 등록

(1) 등록비

정회원(일반) : 300,000원 / 정회원(학생)이하 : 200,000원 / 비회원 : 350,000원
저녁만찬비 : 30,000원

(2) 연회비

연회비를 미납하신 회원은 아래 구좌로 송금하시거나 학회 당일 등록 장소에서 납부해 주십시오. 은행구좌로 송금할 때 반드시 성함을 기재하여 주시기 바랍니다.

정회원(일반) : 70,000원 / 정회원(학생) : 30,000원

교육회원 : 50,000원 / 준회원 : 30,000원

회장 : 500,000원 / 부회장 : 300,000원 / 이사 : 150,000원

※ 송금구좌: 468-25-0008-338 (국민은행) 예금주 : 사)한국천문학회

※ 최근 2년간 연회비를 납부하지 않은 회원에게는 총회에서 선거권이 제한됩니다.

(당해년도 회비 납부 必)

3. 회원 가입

회원가입을 원하시는 분은 등록장소에 비치되어 있는 입회원서를 작성하여 입회비와 함께 제출하시면 됩니다. [입회비: 정회원(10,000원)]



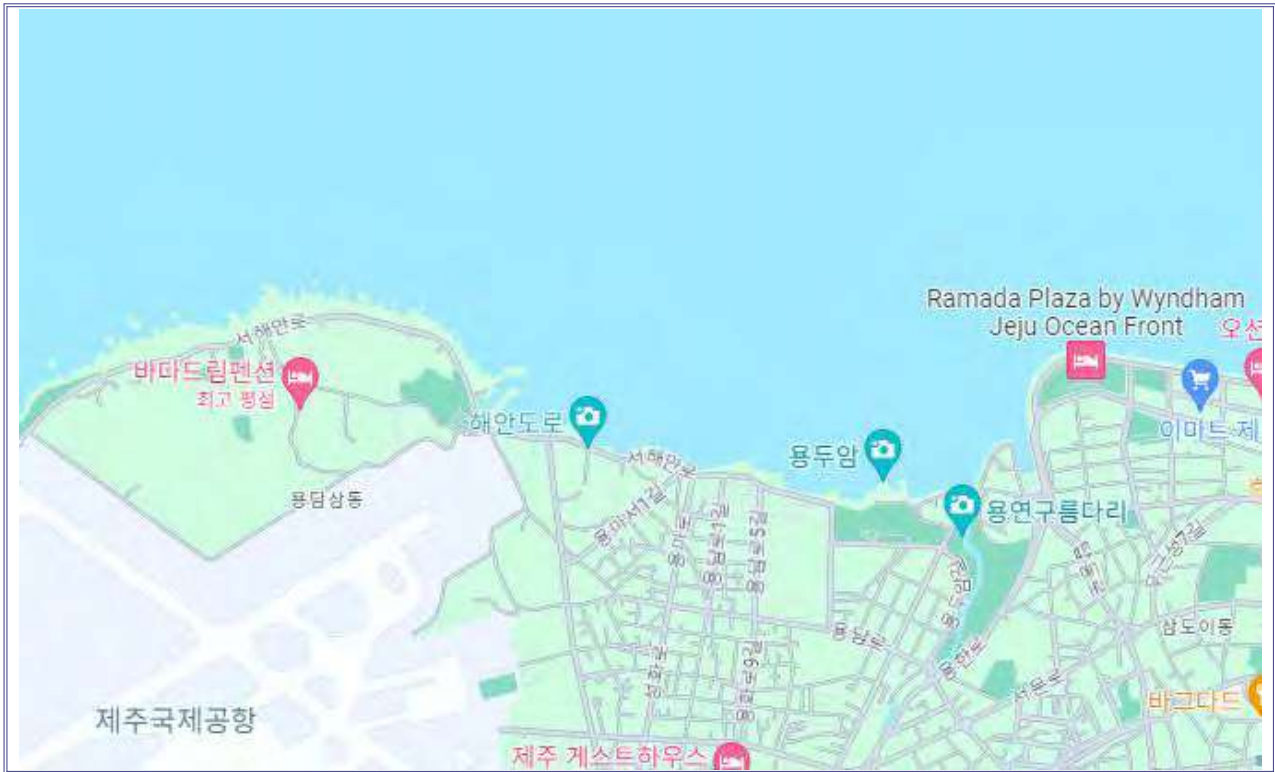
Membership Application Form of the Korean Astronomical Society

Membership No. (*For Office Use)				Approved Date (*For Office Use)			
Name				Nationality			
Institution							
Date of Birth	(yyyy-mm-dd)			Gender	M() F()		
Phone (Office)			Fax (Office)			e-mail	
Highest Degree Earned	Bachelor	()	Master	()	PhD	()	
	(Institution Degree Obtained From)					(Date Received)	
	(For Student)	Bachelor course()	Master course()	PhD Course()			
Areas of Primary Interest	<input type="checkbox"/>	광학천문분과 / Division of UV/Optical/IR Astronomy					
	<input type="checkbox"/>	우주전파분과 / Space Warfare Division					
	<input type="checkbox"/>	태양우주환경분과 / Solar and Space Physics Division					
	<input type="checkbox"/>	행성계과학분과 / Planetary Science Division					
	<input type="checkbox"/>	여성분과 / Women's Division					
	<input type="checkbox"/>	한국젊은천문학자모임 / Young Astronomy Meeting					
	<input type="checkbox"/>	천문관측기기분과 / Astronomical Instrumentation Division					
KAS Code of Ethics	<input type="checkbox"/>	I have read and abide by the KAS code of Ethics					
<p>I would like to become a member of the Korean Astronomical Society(KAS) and I agree to abide by the rules and regulations of the KAS.</p> <p style="text-align: center;">Date : _____(yyyy-mm-dd)</p> <p style="text-align: center;">Signature : _____</p> <p>Recommender(signatures from TWO recommenders)¹⁾</p> <p>Affiliation _____ Name _____ Signature _____</p> <p>Affiliation _____ Name _____ Signature _____</p>							

1) Qualifications of a Recommender :

- assistant professor, associate professor, full professor or
- senior researcher, principal researcher or
- full member of the KAS for 10 years

위치 및 교통 안내



<https://www.ramadajeju.co.kr/>

행사장안내	제주 제주시 탑동로 66 라마다프라자 제주호텔 체크인 15:00 / 체크아웃 12:00
제주공항 ↔ 라마다호텔	택시 : 15분소요 (비용 6,000원) 버스 : 202번, 291번 40분 소요

한국천문학회 모임안내

◆ [YAM 분과 총회] 개최

- 일자 : 2023년 10월 19일
- 시간 : 12:50~13:20
- 장소 : 제3발표장
- 참석자 : 분과회원

◆ [천문관측기기분과 총회] 개최

- 일자 : 2023년 10월 19일
- 시간 : 12:50~13:20
- 장소 : 제4발표장
- 참석자 : 분과회원

◆ [광학천문분과 총회] 개최

- 일자 : 2023년 10월 19일
- 시간 : 17:50~18:30
- 장소 : 제2발표장
- 참석자 : 분과회원

◆ [우주전파분과 총회] 개최

- 일자 : 2023년 10월 19일
- 시간 : 17:50~18:30
- 장소 : 제3발표장
- 참석자 : 분과회원

◆ [태양우주환경분과 총회] 개최

- 일자 : 2023년 10월 19일
- 시간 : 17:50~18:30
- 장소 : 제4발표장
- 참석자 : 분과 회원

2023 KAS Fall Meeting 10.18

12:00~13:00	등 록					
13:00~13:40	초청강연 1: Kyu-Hyun Chae (채규현) [좌장: Sascha Trippe]					
13:40~14:20	초청강연 2: Andrew Szentgyorgyi [좌장: Chan Park (박찬)]					
14:20~14:40	휴식시간					
발표장	제1발표장(볼륨1)			제2발표장(볼륨2)		
시간표	은하 진화 Galaxy Evolution [좌장: Yun-Kyeong Sheen (신윤경)]			[특] K-DRIFT to Space [좌장: Jongwan Ko (고종완)]		
14:40~14:55	구GC-01	Jiwon Chung (정지원)	K	구KDRIFT-01	Jongwan Ko (고종완)[20']	K
14:55~15:10	구GC-02	Joon Hyeop Lee (이준협)	K	구KDRIFT-02	Gayoung Lee (이가영)[20']	K
15:10~15:25	구GC-03	Yun Hee Lee (이윤희)	K	구KDRIFT-03	Yunjong Kim (김윤중)[20']	K
15:25~15:40	구GC-04	Sanjaya Paudel	E	구KDRIFT-04	Woowon Byun (변우원)[20']	K
15:40~15:55	구GC-05	Woong-Bae G. Zee (지웅배)	K			
15:55~16:10	구GC-06	Hyosun Park (박효선)	E	DISCUSSION[10']		
16:10~16:30	휴식시간					
시간표	은하모의실험 1 Galaxy Simulations 1 [좌장: Juhan Kim (김주한)]			항성,항성계/외계행성 1 Stars, Star clusters/Exoplanets 1 [좌장: Hee-Won Lee (이희원)]		
16:30~16:45	구GC-07	Sungwook E. Hong (홍성욱)	K	구SA-01	Hak-Sub Kim (김학섭)	K
16:45~17:00	구GC-08	Jaewon Yoo (유재원)	E	구SA-02	Beomdu Lim (임범두)	K
17:00~17:15	구GC-09	Jaehyun Lee (이재현)	K	구SA-03	Yuna Lee (이유나)	K
17:15~17:30	구GC-10	Jaehong Park (박재홍)	K	구SA-04	Dongwook Lim (임동욱)	K
17:30~17:45	구GC-11	Seok-Jun Chang (장석준)	K	구SA-05	Yeon-Ho Choi (최연호)	K
17:45~18:00	구GC-12	Taebong Jeong (정태봉)	K	구SA-06	Jinhee Lee (이진희)	K
18:00~18:15	구GC-13	Yigon Kim (김이곤)	T	구SA-07	Seung-yoo Lee (이승유)	E

약자설명	구	구두발표	발표언어	K	KOREAN
	포	포스터발표			
	초	초청강연		E	ENGLISH
	Tu	Tutorial			
	박	박사학위논문발표		T	To be determined

2023 KAS Fall Meeting 10.18

12:00~13:00	등록					
13:00~13:40	초청강연 1: Kyu-Hyun Chae (채규현) [좌장: Sascha Trippe]					
13:40~14:20	초청강연 2: Andrew Szentgyorgyi [좌장: Chan Park (박찬)]					
14:20~14:40	휴식시간					
발표장	제3발표장(볼륨3)			제4발표장(볼륨4)		
시간표	[특] SKA [좌장: Dongsu Ryu (류동수)]			고천문학/천문역법 Historical astronomy/Ephemeris [좌장: Byeong-Hee Mihn (민병희)]		
14:40~14:55	구SKA-01	Bong Won Sohn (손봉원)	K	초HE-01	Yong-Hyun Yun (윤용현)	K
14:55~15:10	구SKA-02	Hyunwoo Kang (강현우)	T			
15:10~15:25	구SKA-03	Hyeseung Lee (이혜승)	E	구HE-02	Sang Hyuk Kim (김상혁)	K
15:25~15:40	구SKA-04	Minji Oh (오민지)	E	구HE-03	Hong Soon Choi (최홍순)	K
15:40~15:55	구SKA-05	Kyungjin Ahn (안경진)	E	구HE-04	Geoyoung-Han Yoo (유경한)	K
15:55~16:10	구SKA-06	Jae-Young Kim (김재영)	E	구HE-05	Seung-Urn Choe (최승언)	K
16:10~16:30	휴식시간					
시간표	성간물질/별생성/우리은하 1 Interstellar matter/Star formation/Milky Way Galaxy 1 [좌장: Seokho Lee (이석호)]			교육홍보 Astronomy Outreach and Education [좌장: Kang Hwan Lee (이강환)]		
16:30~16:45	구IM-01	Jiwon Han (한지원)	K	초AE-01	Hyung Mok Lee (이형목)	K
16:45~17:00	구IM-02	Mi-Ryang Kim (김미량)	K			
17:00~17:15	구IM-03	Ilseung Han (한일승)	K	초AE-02	Chae Kyung Sim (심채경)	K
17:15~17:30	구IM-04	Chul-Hwan Kim (김철환)	K			
17:30~17:45	구IM-05	Giseon Baek (백기선)	K	구AE-03	In-Ok Song (송인옥)	K
17:45~18:00	구IM-06	Jae-Hong Jeong (정재홍)	T	구AE-04	Jaeil Cho (조재일)	K
18:00~18:15	구IM-07	Jaeyeong Kim (김재영)	K	구AE-05	Chang Hyun Baek (백창현)	K

2023 KAS Fall Meeting 10.19

09:20~10:00	초청강연3: Ivana Damjanov [좌장: Jubee Sohn (손주비)]					
10:00~10:20	휴식시간					
발표장	제1발표장(볼륨1)			제2발표장(볼륨2)		
시간표	활동성은하핵 Active Galactic Nuclei [좌장: Dohyeong Kim (김도형)]			항성,항성계/외계행성 2 Stars, Star clusters/Exoplanets 2 [좌장: Beomdu Lim (임범두)]		
10:20~10:35	구GC-14	Jong-Hak Woo (우종학)	K	구SA-08	Sophia Kim (김소피아)	K
10:35~10:50	구GC-15	Jongho Park (박종호)	K	구SA-09	Gwangeol Seong (성광언)	K
10:50~11:05	구GC-16	Hyeon-Woo Jeong (정현우)	K	구SA-10	Hyosun Kim (김효선)	K
11:05~11:20	구GC-17	Minchul Kam (감민철)	K	구SA-11	Dong-Hwan Yoon (윤동환)	K
11:20~11:35	구GC-18	Sincheol Kang (강신철)	K	구SA-12	Hee-Won Lee (이희원)	K
11:35~11:50	구GC-19	Yunyi Choi (최윤이)	K	구SA-13	Han-Gyeol Yun (윤한결)	K
11:50~13:20	점심시간					
시간표	초기은하/은하단 High-z Galaxies/Clusters [좌장: Hyunmi Song (송현미)]			고에너지/이론천문학 High energy astronomy/Theoretical astronomy [좌장: Dongsu Ryu (류동수)]		
13:20~13:35	구GC-20	Byeongha Moon (문병하)	T	구HT-01	Jin Lim (임진)	T
13:35~13:50	구GC-21	Hyeonghan Kim (김형한)	E	구HT-02	Chanho Kim (김찬호)	K
13:50~14:05	구GC-22	Sangjun Cha (차상준)	T	구HT-03	Youngmin Kim (김영민)	E
14:05~14:20	구GC-23	Kyle Finner	E	구HT-04	Yunwoo Lee (이윤우)	E
14:20~14:35	구GC-24	Narae Hwang (황나래)	T	구HT-05	Taeho Ryu (류태호)	T
14:35~14:50	구GC-25	Sungho Lee (이성호)	K	구HT-06	Jeongbin Seo (서정빈)	K
14:50~15:00	휴식시간					
15:00~15:20	개회식 및 시상					
15:20~16:00	초청강연 4: Myungkook James Jee (지명국) [좌장: Jongwan Ko (고종완)]					
16:00~17:30	제61차 정기총회					
17:30~17:50	사진촬영					
17:50~18:30	포스터발표 및 분과회의					
	[행사준비]			광학천문분과총회		
18:30	만찬					

2023 KAS Fall Meeting 10.19

09:20~10:00	초청강연3: Ivana Damjanov [좌장: Jubee Sohn (손주비)]					
10:00~10:20	휴식시간					
발표장	제3발표장(볼륨3)			제4발표장(볼륨4)		
시간표	성간물질/별생성/우리은하 2 Interstellar matter/Star formation/Milky Way Galaxy 2 [좌장: Jungyeon Cho (조정연)]			천문우주관측기술 1 Astronomy & Space Science Technologies 1 [좌장: Chan Park (박찬)]		
10:20~10:35	구IM-08	Shinyoung Kim (김신영)	K	구AT-01	Woong-Seob Jeong (정웅섭)	K
10:35~10:50	구IM-09	Thiem Hoang	E	구AT-02	Seonwoo Kim (김선우)	K
10:50~11:05	구IM-10	M S Akshaya	E	구AT-03	Sangjun Kim (김상준)	K
11:05~11:20	구IM-11	Nguyen Chau Giang	E	구AT-04	Whee Yeon Cheong (정위연)	T
11:20~11:35	구IM-12	Gia Bao Truong Le	E	구AT-05	Jeong Ae Lee (이정애)	K
11:35~11:50	구IM-13	Kiwan Park (박기완)	K	구AT-06	Naeun Shin (신나은)	E
11:50~13:20	점심시간					
시간표	YAM 분과총회(12:50~13:20) 성간물질/별생성/우리은하 3 Interstellar matter/Star formation/Milky Way Galaxy 3 [좌장: Miju Kang (강미주)]			천문관측기기분과총회(12:50~13:20) 천문우주관측기술 2 Astronomy & Space Science Technologies 2 [좌장: Woong-Seob Jeong (정웅섭)]		
13:20~13:35	구IM-14	Hyunju Yoo (유현주)	K	박AT-07	Tae-Geun Ji (지태근)	K
13:35~13:50	구IM-15	Spandan Choudhury	E			
13:50~14:05	구IM-16	Jihye Hwang (황지혜)	K	구AT-08	Ho Jin (진호)	K
14:05~14:20	구IM-17	Geumsook Park (박금숙)	K	구AT-09	Heesu Yang (양희수)	K
14:20~14:35	구IM-18	Gyueun Park (박규은)	K	구AT-10	Chan Park (박찬)	K
14:35~14:50	구IM-19	Po-Sheng Huang	E	구AT-11	Changhee Son (손창희)	K
14:50~15:00	휴식시간					
15:00~15:20	개회식 및 시상					
15:20~16:00	초청강연 4: Myungkook James Jee (지명국) [좌장: Jongwan Ko (고종완)]					
16:00~17:30	정기총회					
17:30~17:50	사진촬영					
17:50~18:30	포스터발표 및 분과회의					
	우주전파분과총회			태양우주환경분과 총회		
18:30	만찬					

2023 KAS Fall Meeting 10.20						
09:20~10:00	초청강연5: Jongsuk Hong(홍종석) [좌장: Beomdu Lim (임범두)]					
10:00~10:40	초청강연6: Young Chol Minh (민영철) [좌장: Sang Chul Kim (김상철)]					
10:40~11:00	휴식시간					
발표장	제1발표장(볼룸1)			제2발표장(볼룸2)		
시간표	은하모의실험 2 Galaxy Simulations 2 [좌장: Ena Choi (최이나)]			우주론/암흑물질, 암흑에너지 Cosmology/Dark matter & dark energy [좌장: James Jee (지명국)]		
11:00~11:15	구GC-26	Sukyoung K. Yi (이석영)	K	구CD-01	Changbom Park (박창범)	E
11:15~11:30	구GC-27	San Han (한산)	K	구CD-02	Young-Wook Lee (이영욱)	K
11:30~11:45	구GC-28	Jinsu Rhee (이진수)	K	구CD-03	Chul Chung (정철)	K
11:45~12:00	구GC-29	Jubee Sohn (손주비)	E	구CD-04	Daehyun Kim (김대현)	T
12:00~12:15	구GC-30	Wonki Lee (이원기)	E	구CD-05	Alexandra Dupuy	E
12:15~12:30	구GC-31	Eunyu Lee (이은유)	K	구CD-06	Dongak Park (박동악)	E
12:30~13:30	점심시간					
시간표	[특] 7DT [좌장: Myungshin Im (임명신)]			[특] Machine Learning [좌장: David Parkinson]		
13:30~13:45	구7DT-01	Ji Hoon Kim (김지훈)	K	구ML-01	Cristiano Sabiu	E
13:45~14:00	구7DT-02	Bumhoo Lim (임범후)	K	구ML-02	Kyungmin Kim (김경민)	E
14:00~14:15	구7DT-03	Minjin Kim (김민진)	K	구ML-03	Minyong Jung (정민용)	E
14:15~14:30	구7DT-04	Hyunjin Shim (심현진)	K	구ML-04	Se Yeon Hwang (황세연)	E
14:30~14:45	구7DT-05	Gregory S.-H. Paek (백승학)	K	구ML-05	William Davison	E
14:45~15:00	구7DT-06	Hyeonho Choi (최현호)	K	구ML-06	Kushal Lodha	E
15:00~15:10	우수포스터상 시상 및 폐회식					

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09:20~10:00	초청강연5: Jongsuk Hong(홍종석) [좌장: Beomdu Lim (임범두)]					
10:00~10:40	초청강연6: Young Chol Minh (민영철) [좌장: Sang Chul Kim (김상철)]					
10:40~11:00	휴식시간					
발표장	제3발표장(볼륨3)			제4발표장(볼륨4)		
시간표	태양계 Solar system [좌장: Minsup Jeong (정민섭)]			[특] Heliosphere: Basics and Frontiers 1 [좌장: Ryun Young Kwon (권윤영)]		
11:00~11:15	구SS-01	Seonho Kim (김선호)	K	TuHE-01	Gwangson Choe (최광선)	K
11:15~11:30	구SS-02	Sunho Jin (진선호)	K			
11:30~11:45	구SS-03	Bumhoo Lim (임범후)	E	초HE-02	Suyeon Oh (오수연)	K
11:45~12:00	구SS-04	Yoonsoo P. Bach (박윤수)	E			
12:00~12:15	구SS-05	Jooyeon Geem (김주연)	T	구HE-03	Jinhye Park (박진혜)	K
12:15~12:30	구SS-06	Myung-Jin Kim (김명진)	K	구HE-04	Il-Hyun Cho (조일현)	K
12:30~13:30	점심시간			TuHE-05	Jongchul Chae (채종철)	K
시간표	[특] Artemis/CLPS [좌장: Joo Hyeon Kim (김주현)]			[특] Heliosphere: Basics and Frontiers 2 [좌장: Su-Chan Bong (봉수찬)]		
13:30~13:45	구AC-01	Young-Jun Choi (최영준)	K	TuHE-06	Dae-Young Lee (이대영)	K
13:45~14:00	구AC-02	Go Woon Na (나고운)	K			
14:00~14:15	구AC-03	Ho Jin (진호)	K	TuHE-07	Young-Sil Kwak (곽영실)	K
14:15~14:30	구AC-04	Sukwon Youn (윤석원)	K			
14:30~14:45	구AC-05	Minsup Jeong (정민섭)	K	박HE-08	Juhyung Kang (강주형)	K
14:45~15:00	구AC-06	Mingyeong Lee (이민경)	K			
15:00~15:10	우수포스터상 시상 및 폐회식					

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분야	포스터번호	이름	분야	포스터번호	이름
고에너지/ 이론천문학	PHT-01	Ayan Bhattacharjee	외부은하/ 은하단	PGC-01	Hyunwook Ro (노현욱)
	PHT-02	Sunjung Kim (김선정)		PGC-02	Boseong Cho (조보성)
	PHT-03	Myeonghwan Oh (오명환)		PGC-03	Hyungjin Joo (주형진)
	PHT-04	Minseo Park (박민서)		PGC-04	Seungjae Lee (이승재)
교육홍보	PAE-01	Kang Hwan Lee (이강환)		PGC-05	Khwammai Wanchaloem
	PAE-02	Heejung Yu (유희정)		PGC-06	Jae-Kyoung Jang (장재경)
	PAE-03	Joonho Kim (김준호)		PGC-07	Taewan Kim (김태완)
	PAE-04	Yeon-Ho Choi (최연호)		PGC-08	Minsung Ko (고민성)
	PAE-05	Insun Ahn (안인선)		PGC-09	Soyeon Yeo (여소연)
공간물질/별생성/ 우리은하	PIM-01	Dong-Hyeok Koh (고동혁)		PGC-10	Sang Hyun Kim (김상현)
	PIM-02	Hee Weon Yi (이희원)		PGC-11	Lael Shin (신라엘)
	PIM-03	Gyuhoo Lee (이규호)		PGC-12	Hee-Gyeong Kim (김희경)
	PIM-04	Il Joong Kim (김일중)		PGC-13	Jaewon Lee (이재원)
	PIM-05	Young Jun Kim (김영준)		PGC-14	Jiyoung Choe (최지영)
	PIM-06	Seonjae Lee (이선재)		PGC-15	Jee Won Lee (이지원)
	PIM-07	Jungyeon Cho (조정연)		PGC-16	Taysun Kimm (김태선)
우주론/암흑물질, 암흑에너지	PCD-01	Gain Lee (이가인)		PGC-17	Sieun-Go (고시은)
	PCD-02	Priya Goyal		PGC-18	Yeonkyung Lee (이연경)
	PCD-03	Seunghyun Park (박승현)		PGC-19	Jeong Hwan Lee (이정환)
	PCD-04	Si Hyeong Noh (노시형)		PGC-20	Min-Ji Kim (김민지)
	PCD-05	Hyeon Kim (김현)			

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분야	포스터번호	이름	분야	포스터번호	이름
우주론/암흑물 질암흑에너지	PCD-06	Da Hee Lee (이다희)	외부은하/ 은하단	PGC-21	Hongjae Moon (문홍재)
	PCD-07	Junsup Shim (심준섭)		PGC-22	Junho Song (송준호)
	PCD-08	Soojin Kim (김수진)		PGC-23	Jeein Kim (김지인)
	PCD-09	Hyobin Im (임효빈)		PGC-24	Seong Bong Han (한성봉)
	PCD-10	Hyeonmo Koo (구현모)		PGC-25	Jongin Park (박종인)
천문우주 관측기술	PAT-01	Sumin Lee (이수민)		PGC-26	Sangeun Yu (유상은)
	PAT-02	Yunjong Kim (김윤종)		PGC-27	Yongjung Kim (김용정)
	PAT-03	Changgon Kim (김창곤)		PGC-28	Eunsuk Seo (서은숙)
	PAT-04	Bhattarai Shankar		PGC-29	Bomi Park (박보미)
	PAT-05	Gu Lim (임구)		PGC-30	Byeongha Moon (문병하)
	PAT-06	Hojae Ahn (안호재)		PGC-31	Seong-Kook Lee (이성국)
	PAT-07	Hyeon Woo Moon (문현우)		PGC-32	Eunmo Ahn (안은모)
태양계	PSS-01	Youngmin JeongAhn (정영민)		PGC-33	Junyeong Park (박준영)
	PSS-02	Hangbin Jo (조항빈)		PGC-34	Hayeong Jeong (정하영)
	PSS-03	Hee-Jae Lee (이희재)		PGC-35	Sang Hyeok Im (임상혁)
	PSS-04	Il-Hoon Kim (김일훈)		PGC-36	Soo-Chang Rey (이수창)
	PSS-05	Serin Kim (김세린)		PGC-37	Dachan Kim (김다찬)
태양우주환경	PSS-06	Ryun Young Kwon (권윤영)		PGC-38	Zachary P. Scofield
	PSS-07	Su-Chan Bong (봉수찬)		PGC-39	Daeun Jeong (정다운)

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분야	포스터번호	이름	분야	포스터번호	이름	
태양우주환경	PSS-08	Soo-Sang Kang (강수상)	외부은하/ 은하단	PGC-40	Seungwu Yoo (유승우)	
	PSS-09	Hannah Kwak (곽한나)		PGC-41	Hyeonguk Bahk (박형욱)	
	PSS-10	Hae-In Lee (이해인)		PGC-42	Youngbin Shin (신영빈)	
	PSS-11	Seung Ye Lee (이승예)		PGC-43	Wooseok Kang (강우석)	
	PSS-12	Younghun Oh (오영훈)		PGC-44	Duho Kim (김두호)	
	PSS-13	Eun-Kyung Lim (임은경)		PGC-45	Hannah Jhee (지한나)	
	PSS-14	Kyeore Lee (이겨레)		PGC-46	Hyegyong Kim (김혜경)	
	PSS-15	Soojeong Jang (장수정)		PGC-47	Sree Oh (오슬희)	
	PSS-16	Hyunjin Jeong (정현진)		PGC-48	Hong Bae Ann (안홍배)	
	PSS-17	Jihye Kang (강지혜)		PGC-49	Jaebeom Kim (김재범)	
	PSS-18	Heesu Yang (양희수)	PGC-50	Sumi Kim (김수미)		
	PSS-19	Bendict Lawrance	항성,항성계/ 외계행성	PSA-01	Seok-Jun Chang (장석준)	
	PSS-20	Minseon Lee (이민선)		PSA-02	Seong Hyun Park (박성현)	
	PSS-21	Sujin Kim (김수진)		PSA-03	Se-Hyung Cho (조세형)	
	PSS-22	Harim Lee (이하림)		PSA-04	Yun-A Jo (조윤아)	
	PSS-23	Eunsu Park (박은수)		PSA-05	Heesu Kim (김희수)	
	특별세션 1- SKA	PSKA-01	Jungha Kim (김정하)		PSA-06	Seo-Won Chang (장서원)
	특별세션 2- K-DRIFT	PKDRIFT-01	Woowon Byun (변우원)	특별세션 6- Artemis/ CLPS	PAC-01	Nayeon Kim (김나연)
	특별세션 3- Heliosphere	PHE-01	Hwanhee Lee (이환희)		PAC-02	Jehyuck Shin (신재혁)
		PHE-02	Ji-Hyeon Yoo (유지현)		PAC-03	MinBae Kim (김민배)
	특별세션 4- Machine Learning	PML-01	Suk Kim (김석)		PAC-04	Dukhang Lee (이덕행)

제1발표장 첫째날 : 10월 18일 (수)

12:00~13:00

등록

초청강연 1

좌장 : Sascha Trippe[SNU]

13:00~13:40 초 IT-01

Conclusive evidence for the breakdown of standard gravity at low acceleration from wide binary stars

Kyu-Hyun Chae (채규현)[Sejong University]

초청강연 2

좌장 : Chan Park (박찬)[KASI]

13:40~14:20 초 IT-02

Searching for Signs of with the Giant Magellan Telescope (GMT) and the GMT-Consortium Large Earth Finder (G-CLEF)

Andrew Szentgyorgyi[Harvard-Smithsonian Center], Sagi Ben-Ami[Weizmann Institute of Science], Kang-Min Kim(김강민), Chan Park(박찬)[KASI], Jacob Bean[University of Chicago], Patricia Brennan[Harvard-Smithsonian Center], Moo-Yung Chun(천무영)[KASI], Laird Close[University of Arizona], Jeffrey D. Crane[The Observatories of the Carnegie Institution], Daniel Durusky, Jason Eastman[Harvard-Smithsonian Center], Harland Epps[University of California], Ian N. Evans[Harvard-Smithsonian Center], Bi-Ho Jang(장비호), Jeong-Gyun Jang(장정균), Ueejeong Jeong(정의정)[KASI], Andres Jordan[Universidad Adolfo Ibanez], Colby Jurgenson[Harvard-Smithsonian Center], Jihun Kimc(김지현), Sanghyuk Kim(김상혁), Yujung Kim(김윤중), Sungho Lee(이성호)[KASI], Henrique Lupinari⁹, Jared Males⁵, Kenneth McCracken[Harvard-Smithsonian Center], Claudia Mendes de Oliveira, Rafael Millan-Gabet[Universidade de São Paulo], Mark Mueller[Harvard-Smithsonian Center], Jae Sok Oh(오재석)[KASI], Cem Onyukse[Harvard-Smithsonian Center], Byeong-Gon Park(박병곤), Sung-Joon Park(박성준)[KASI], William Podgorski[Harvard-Smithsonian Center], Andreas Seifahrt[University of Chicago], Yahel Sofer-Rimalt[Weizmann Institute of Science], Alan Uomoto[Universidad Adolfo Ibanez], Young-Sam Yu(유영삼)[KASI].

14:20~14:40 휴식시간

은하 진화

Galaxy Evolution

좌장 : Yun-Kyeong Sheen (신윤경)[KASI]

14:40~14:55 구 GC-01

Witnessing a Transformation to Blue-cored Dwarf Early-type Galaxies in Filaments and the Cluster Outskirts

Jiwon Chung(정지원), Joon Hyeop Lee(이준협), Hyunjin Chung(정현진)[KASI], Suk Kim(김석)[CNU]

14:55~15:10 구 GC-02

How Reliable Is the Star Formation and Chemical Evolution History of a Galaxy from Full Spectrum Fitting?

Joon Hyeop Lee(이준협)[KASI], Mina Pak(박민아)[KASI/Macquarie University/ASTRO 3D], Hyunjin Jeong(정현진)[KASI], Sree Oh(오슬희)[ASTRO 3D/Yonsei University/Australian National University], Jiwon Chung(정지원)[KASI],

15:10~15:25 구 GC-03

The Origin of Star Formation in Early-type Galaxies Inferred from Spatially Resolved Spectroscopy

Yun Hee Lee(이윤희)[KNU/KASI], Ho Seong Hwang(황호성)[KASI/SNU], Narae Hwang(황나래), Jong Chul Lee(이종철)[KASI], Ki-Beom Kim(김기범)[KNU]

은하 진화

Galaxy Evolution

좌장 : Yun-Kyeong Sheen (신윤경)[KASI]

- 15:25~15:40 구 GC-04
An Extensive Catalog of Early-type Dwarf Galaxies in the Local Universe: Morphology and Environment
Sanjaya Paudel, Suk-Jin Yoon(윤석진)[Yonsei University]
- 15:40~15:55 구 GC-05
Coevolution of Bars, Star Formation, and Active Galactic Nuclei in Disk Galaxies
Woong-Bae G. Zee(지웅배), Sanjaya Paudel[Yonsei University], Jun-Sung Moon(문준성)[SNU], Suk-Jin Yoon(윤석진)[Yonsei University]
- 15:55~16:10 구 GC-06
Revolutionizing Galaxy Image Restoration with the Restormer Deep Learning Algorithm
Hyosun Park(박효선)[Yonsei University], Yongsik Jo(조용식), Seok-Un Kang(강석운), Taehwan Kim(김태환)[UNIST], Myungkook James Jee(지명국)[Yonsei University/UC Davis]

16:10~16:30 휴식시간

은하모의실험 1

Galaxy Simulations 1

좌장 : Juhan Kim (김주한)[KIAS]

- 16:30~16:45 구 GC-07
Emergence of the galaxy morphology-star formation rate-clustercentric radius in galaxy clusters
Sungwook E. Hong(홍성욱)[KASI/UST], Changbom Park(박창범), Celine Gouin, Jaehyun Lee(이재현), Juhan Kim(김주한)[KIAS]
- 16:45~17:00 구 GC-08
Spatial Distribution of Intracluster Light versus Dark Matter in Horizon Run 5
Jaewon Yoo(유재원), Changbom Park(박창범)[KIAS], Cristiano Sabiu[UOS], Ankit Singh[KIAS], Jongwan Ko(고종완)[KASI/UST], Jaehyun Lee(이재현), Juhan Kim(김주한)[KIAS], Myungkook. James Jee(지명국)[Yonsei University], Hyowon Kim(김효원)[KASI/UST]
- 17:00~17:15 구 GC-09
Identification of Galaxy Protoclusters Based on the Spherical Top-hat Collapse Model
Jaehyun Lee(이재현)[KIAS/KASI], Changbom Park(박창범), Juhan Kim(김주한)[KIAS], Christophe Pichon[CNRS and Sorbonne Université], Brad K. Gibson[University of Hull], Jihye Shin(신지혜)[KASI], Yonghwi Kim(김용휘)[KISTI], Owain N. Snaith[University of Exeter], Yohan Dubois[CNRS and Sorbonne Université], C. Gareth Few[University of Hull]
- 17:15~17:30 구 GC-10
Mapping the Lyman-alpha Universe: Semi-empirical modeling of Lyman-alpha emitters in a large simulation
Jaehong Park(박재홍), Changbom Park(박창범), Jaehyun Lee(이재현), Juhan Kim(김주한)[KIAS]
- 17:30~17:45 구 GC-11
Probing cold gas with Mg II and Ly α radiative transfer
Seok-Jun Chang(장석준), Max Gronke[Max Planck Institute for Astrophysics]
- 17:45~18:00 구 GC-12
Probing high-z galaxies observed by JWST using numerical simulations
Taebong Jeong(정태봉), Myoungwon Jeon(전명원)[KHU]
- 18:00~18:15 구 GC-13
Coherent motion of galaxies as the proxy of secondary halo bias
Yigon Kim(김이곤)[KNU], Rory Smith, Antonio D. Montero-Dorta[Universidad Técnica]

제2발표장 첫째날 : 10월 18일 (수)

12:00~13:00

등록

초청강연 1

좌장 : Sascha Trippe[SNU]

13:00~13:40 초 IT-01

Conclusive evidence for the breakdown of standard gravity at low acceleration from wide binary stars

Kyu-Hyun Chae (채규현)[Sejong University]

초청강연 2

좌장 : Chan Park (박찬)[KASI]

13:40~14:20 초 IT-02

Searching for Signs of with the Giant Magellan Telescope (GMT) and the GMT-Consortium Large Earth Finder (G-CLEF)

Andrew Szentgyorgyi[Harvard-Smithsonian Center], Sagi Ben-Ami[Weizmann Institute of Science], Kang-Min Kim(김강민), Chan Park(박찬)[KASI], Jacob Bean[University of Chicago], Patricia Brennan[Harvard-Smithsonian Center], Moo-Yung Chun(천무영)[KASI], Laird Close[University of Arizona], Jeffrey D. Crane[The Observatories of the Carnegie Institution], Daniel Durusky, Jason Eastman[Harvard-Smithsonian Center], Harland Epps[University of California], Ian N. Evans[Harvard-Smithsonian Center], Bi-Ho Jang(장비호), Jeong-Gyun Jang(장정균), Ueejeong Jeong(정의정)[KASI], Andres Jordan[Universidad Adolfo Ibanez], Colby Jurgenson[Harvard-Smithsonian Center], Jihun Kimc(김지현), Sanghyuk Kim(김상혁), Yunjong Kim(김윤종), Sungho Lee(이성호)[KASI], Henrique Lupinari⁹, Jared Males⁵, Kenneth McCracken[Harvard-Smithsonian Center], Claudia Mendes de Oliveira, Rafael Millan-Gabet[Universidade de São Paulo], Mark Mueller[Harvard-Smithsonian Center], Jae Sok Oh(오재석)[KASI], Cem Onyuksel[Harvard-Smithsonian Center], Byeong-Gon Park(박병곤), Sung-Joon Park(박성준)[KASI], William Podgorski[Harvard-Smithsonian Center], Andreas Seifahrt[University of Chicago], Yahel Sofer-Rimalt[Weizmann Institute of Science], Alan Uomoto[Universidad Adolfo Ibanez], Young-Sam Yu(유영삼)[KASI].

14:20~14:40 휴식시간

[특] K-DRIFT to Space

좌장 : Jongwan Ko (고종완)[KASI]

14:40~15:00 구 KDRIFT-01

K-DRIFT to Space: Preparing to Go into the Low-surface-brightness Universe

Jongwan Ko(고종완)[KASI/UST], K-DRIFT team

15:00~15:20 구 KDRIFT-02

K-DRIFT to Space: Performance Analysis and Error Control Strategy for the Optical System

Gayoung Lee(이가영)[KNU/KASI], K-DRIFT team

15:20~15:40 구 KDRIFT-03

K-DRIFT to Space: Current status of the Development Phase of K-DRIFT G1

Yunjong Kim(김윤종)[KASI], K-DRIFT team

15:40~16:00 구 KDRIFT-04

K-DRIFT to Space: Observation Strategy on the Ground and Science Drivers

Woowon Byun(변우원)[KASI], K-DRIFT team

16:00~16:10 DISCUSSION

16:10~16:30 휴식시간

항성,항성계/외계행성 1

Stars, Star clusters/Exoplanets 1

좌장 : Hee-Won Lee (이희원[Sejong Univ.]

- 16:30~16:45 구 SA-01
Exploring Multiple Populations in Globular Clusters using an Innovative Near-Infrared Photometry with BOAO/KASINICS
Hak-Sub Kim(김학섭)[Sejong University], Hyun-II Sung(성현일)[KASI],
Taehyoung Kim(김태형), Jae-Woo Lee(이재우)[Sejong University]
- 16:45~17:00 구 SA-02
Gemini integrated-spectroscopic survey of young massive clusters in external galaxies: Project overview
Beomdu Lim(임범두), Hyun-Jeong Kim(김현정), Jae-Rim Koo(구재림)[Kongju National University]
- 17:00~17:15 구 SA-03
Sejong Open cluster Survey (SOS) VIII. The dynamical state of the sparse open cluster NGC 2302
Yuna Lee(이유나), Beomdu Lim(임범두)[Kongju National University]
- 17:15~17:30 구 SA-04
Searching and confirming new globular clusters in the Milky Way bulge
Dongwook Lim(임동욱)[Yonsei University], Andreas Koch-Hansen[ZAH/ARI],
Sang-Hyun Chun(천상현)[KASI], Seungsoo Hong(홍승수)[Yonsei University],
Young-Wook Lee(이영욱)[Yonsei University]
- 17:30~17:45 구 SA-05
Preliminary result of transmission spectroscopy from Hot Jupiters using GMOS
Yeon-Ho Choi(최연호), Byeong-Cheol Lee(이병철), Kwang-il Seon(선광일)[UST/KASI],
Jae-Joon Lee(이재준)[KASI]
- 17:45~18:00 구 SA-06
Preliminary analysis results of the hot-Jupiter WASP-131b from transmission spectra using Gemini/IGRINS
Jinhee Lee(이진희)[KASI/Steward Observatory], Jae-Joon Lee(이재준)[KASI],
Changwoo Kye(계창우)[SNU]
- 18:00~18:15 구 SA-07
Resonant structures in exozodiacal clouds created by habitable zone exoplanets
Seung-yoo Lee(이승유), Masateru Ishiguro, Hangbin Jo(조항빈)[SNU]

제3발표장 첫째날 : 10월 18일 (수)

12:00~13:00

등록

초청강연 1

좌장 : Sascha Trippe[SNU]

13:00~13:40 초 IT-01

Conclusive evidence for the breakdown of standard gravity at low acceleration from wide binary stars

Kyu-Hyun Chae (채규현)[Sejong University]

초청강연 2

좌장 : Chan Park (박찬)[KASI]

13:40~14:20 초 IT-02

Searching for Signs of with the Giant Magellan Telescope (GMT) and the GMT-Consortium Large Earth Finder (G-CLEF)

Andrew Szentgyorgyi[Harvard-Smithsonian Center], Sagi Ben-Ami[Weizmann Institute of Science], Kang-Min Kim(김강민), Chan Park(박찬)[KASI], Jacob Bean[University of Chicago], Patricia Brennan[Harvard-Smithsonian Center], Moo-Yung Chun(천무영)[KASI], Laird Close[University of Arizona], Jeffrey D. Crane[The Observatories of the Carnegie Institution], Daniel Durusky, Jason Eastman[Harvard-Smithsonian Center], Harland Epps[University of California], Ian N. Evans[Harvard-Smithsonian Center], Bi-Ho Jang(장비호), Jeong-Gyun Jang(장정균), Ueejeong Jeong(정의정)[KASI], Andres Jordan[Universidad Adolfo Ibanez], Colby Jurgenson[Harvard-Smithsonian Center], Jihun Kimc(김지현), Sanghyuk Kim(김상혁), Yunjong Kim(김윤종), Sungho Lee(이성호)[KASI], Henrique Lupinari⁹, Jared Males⁵, Kenneth McCracken[Harvard-Smithsonian Center], Claudia Mendes de Oliveira, Rafael Millan-Gabet[Universidade de São Paulo], Mark Mueller[Harvard-Smithsonian Center], Jae Sok Oh(오재석)[KASI], Cem Onyuksel[Harvard-Smithsonian Center], Byeong-Gon Park(박병곤), Sung-Joon Park(박성준)[KASI], William Podgorski[Harvard-Smithsonian Center], Andreas Seifahrt[University of Chicago], Yahel Sofer-Rimalt[Weizmann Institute of Science], Alan Uomoto[Universidad Adolfo Ibanez], Young-Sam Yu(유영삼)[KASI].

14:20~14:40 휴식시간

[특] SKA

좌장 : Dongsu Ryu (류동수)[UNIST]

14:40~14:55 구 SKA-01

Recent status of SKA in Korea

Bong Won Sohn(손봉원)[KASI], SKA Korea

14:55~15:10 구 SKA-02

The prospective of technical development for the SKAO Korea

Hyunwoo Kang(강현우), Yong-Woo Kang(강용우), Moon-Hee Chung(정문희), Jihoon Choi(최지훈), Jaehwan Yeom(염재환), Min-Gyu Song(송민규), Youngjoo Yun(윤영주), Soon-Wook Kim(김순욱)[KASI], Jeong-Sook Kim(김정숙)[NAOC], Won Bong Sohn(손봉원)[KASI]

15:10~15:25 구 SKA-03

Korea SKAO Regional Centre: Science Platform

Hyeseung Lee(이혜승)[UNIST], Hyunwoo Kang(강현우), Jungha Kim(김정하), Shinyoung Kim(김신영)[KASI]

15:25~15:40 구 SKA-04

Progress report on SKA Science Data Challenge 3a on foreground removal

Team KorSDC (Minji Oh(오민지)[Chosun University], JunHyun Baek(백준현)[Yonsei University], Sungwook E. Hong(홍성욱), Hyunwoo Kang(강현우)[KASI], Jaebeom Kim(김재범), Minsu Kim(김민수), Shinna Kim(김신나)[Sejong University], Dahee Lee(이대희)[KASI], Eunyoo Lee(이은유), Hyeseung Lee(이혜승), Namuk Lee(이남욱)[UNIST], Se-Heon Oh(오세현)[Sejong University], Jaehong Park(박재홍)[KIAS], David Parkinson, Bong Won Sohn(손봉원)[KASI], Kyungjin Ahn(안경진)[Chosun University]

[특] SKA

좌장 : Dongsu Ryu (류동수)[UNIST]

- 15:40~15:55 구 SKA-05
Isotropy and Anisotropy of the 21-cm Background seen by SKA-LOW
Kyungjin Ahn(안경진)[Chosun University]
- 15:55~16:10 구 SKA-06
SKA and SKA-VLBI: The Next Frontier in AGN Research
Jae-Young Kim(김재영)[KNU/Max Planck Institute for Astrophysics]

16:10~16:30 휴식시간

성간물질/별생성/우리는하 1

Interstellar matter/Star formation/Milky Way Galaxy 1

좌장 : Seokho Lee (이석호[KASI])

- 16:30~16:45 구 IM-01
Image Translation Methods for Astronomical Data: Applying to Infrared Observations in the Galactic Center
Jiwon Han(한지원), Taehoon Shin(신태훈), Deokkeun An(안덕근)[Ewha Womans University]
- 16:45~17:00 구 IM-02
Variability of Young Stellar Objects in W51
Mi-Ryang Kim(김미량), Jeong-Eun Lee(이정은), Carlos Contreras Peña[SNU], Doug Johnstone[University of Victoria], Gregory Herczeg[Peking University]
- 17:00~17:15 구 IM-03
eDisk: A Keplerian Disk and Streamers in the Class I Protostellar System IRAS 04169+2702
Ilseung Han(한일승)[UST/KASI], Woojin Kwon(권우진)[SNU], Yusuke Aso[KASI], Nagayoshi Ohashi[Academia Sinica Institute], John J. Tobin[NRAO], Jes K. Jørgensen[University of Copenhagen], the eDisk team
- 17:15~17:30 구 IM-04
The CO outflow components ejected by a recent accretion event in B335
Chul-Hwan Kim(김철환), Jeong-Eun Lee(이정은), Carlos Contreras Pena[SNU], Doug Johnstone[NRC/University of Victoria], Gregory J. Herczeg[University of Victoria], John J. Tobin[NRAO], Neal J. Evans II[University of Texas]
- 17:30~17:45 구 IM-05
Spectral survey of a Hot core with an Eruptive Accretion in S255IR NIRS3 (SHEA): The discovery of class I and class II millimeter methanol maser transitions
Baek Giseon(백기선), Lee Jeong-Eun(이정은)[SNU], Evans Neal J. II[University of Texas], Hirota Tomoya[NAOJ/SOKENDAI], Aikawa Yuri[University of Tokyo], Kang Ji-hyun(강지현), Kim Jungha(김정하)[KASI], Jørgensen, Jes K.[University of Copenhagen]
- 17:45~18:00 구 IM-06
ALMA Spectral Survey of An eruptive Young star, V883 Ori (ASSAY): II. Freshly Sublimated Complex Organic Molecules (COMs)
Jae-Hong Jeong(정재홍), Jeong-Eun Lee(이정은), Seonjae Lee(이선재), Giseon Baek(백기선)[SNU], Ji-Hyun Kang(강지현), Seokho Lee(이석호)[KASI], Chul-Hwan Kim(김철환)[SNU], Hyeong-Sik Yun(윤형식)[KASI], Yuri Aikawa[University of Tokyo], Gregory J. Herczeg[Peking University], Doug Johnstone[University of Victoria], Lucas Cieza[Universidad Diego Portales]
- 18:00~18:15 구 IM-07
Near- to mid-infrared spectroscopic study of ice analysis using the AKARI/IRC and Spitzer/IRS spectra
Jaeyeon Kim(김재영)[KASI], Jeong-Eun Lee(이정은), Chul-Hwan Kim(김철환)[SNU], Woong-Seob Jeong(정웅섭)[KASI], Yao-Lun Yang(RIKEN)

제4발표장 첫째날 : 10월 18일 (수)

12:00~13:00

등록

초청강연 1

좌장 : Sascha Trippe[SNU]

13:00~13:40 초 IT-01

Conclusive evidence for the breakdown of standard gravity at low acceleration from wide binary stars

Kyu-Hyun Chae (채규현)[Sejong University]

초청강연 2

좌장 : Chan Park (박찬)[KASI]

13:40~14:20 초 IT-02

Searching for Signs of with the Giant Magellan Telescope (GMT) and the GMT-Consortium Large Earth Finder (G-CLEF)

Andrew Szentgyorgyi[Harvard-Smithsonian Center], Sagi Ben-Ami[Weizmann Institute of Science], Kang-Min Kim(김강민), Chan Park(박찬)[KASI], Jacob Bean[University of Chicago], Patricia Brennan[Harvard-Smithsonian Center], Moo-Yung Chun(천무영)[KASI], Laird Close[University of Arizona], Jeffrey D. Crane[The Observatories of the Carnegie Institution], Daniel Durusky, Jason Eastman[Harvard-Smithsonian Center], Harland Epps[University of California], Ian N. Evans[Harvard-Smithsonian Center], Bi-Ho Jang(장비호), Jeong-Gyun Jang(장정균), Ueejeong Jeong(정의정)[KASI], Andres Jordan[Universidad Adolfo Ibanez], Colby Jurgenson[Harvard-Smithsonian Center], Jihun Kimc(김지현), Sanghyuk Kim(김상혁), Yunjong Kim(김윤종), Sungho Lee(이성호)[KASI], Henrique Lupinari⁹, Jared Males⁵, Kenneth McCracken[Harvard-Smithsonian Center], Claudia Mendes de Oliveira, Rafael Millan-Gabet[Universidade de São Paulo], Mark Mueller[Harvard-Smithsonian Center], Jae Sok Oh(오재석)[KASI], Cem Onyuksel[Harvard-Smithsonian Center], Byeong-Gon Park(박병곤), Sung-Joon Park(박성준)[KASI], William Podgorski[Harvard-Smithsonian Center], Andreas Seifahrt[University of Chicago], Yahel Sofer-Rimalt[Weizmann Institute of Science], Alan Uomoto[Universidad Adolfo Ibanez], Young-Sam Yu(유영삼)[KASI].

14:20~14:40 휴식시간

고천문학/천문역법

Historical astronomy/Ephemeris

좌장 : Byeong-Hee Mihn (민병희)[KASI]

14:40~15:10 초 HE-01

Introduction of three Angbuilgus (Scaphe Sundials), designated as a Korean Treasure in 2022

Yong-Hyun Yun(윤용현)[NSM], Byeong-Hee Mihn(민병희)[KASI/UST], Sang Hyuk Kim(김상혁)[KASI]

15:10~15:25 구 HE-02

A study on automatic water clock time-signal system in Joseon dynasty and Yuan dynasty

Sang Hyuk Kim(김상혁)[KASI], Yong-Hyun Yun(윤용현)[NSM], Byeong-Hee Mihn(민병희)[KASI/UST], Byong Guen Leem(임병근)[Jeon Heung Total Art Company]

15:25~15:40 구 HE-03

Characteristics of Nam Byong-Cheol's Armillary Sphere in 19th-century: A Study on its Construction and Usage

Hong Soon Choi(최홍순)[CBNU], Sang Hyuk Kim(김상혁)[KASI], Byeong-Hee Mihn(민병희)[CBNU/KASI/UST], Kyoung-uk Nam(남경욱), Dae Young Park(박대영)[GNSM], Geoyoung-han yoo(유경한), Yong-gi Kim(김용기)[CBNU]

제4발표장 첫째날 : 10월 18일 (수)

고천문학/천문역법

Historical astronomy/Ephemeris

좌장 : Byeong-Hee Mihn (민병희)[KASI]

15:40~15:55 구 HE-04

Measurement of Tropical Year through the Shadow Length Measurement of the Eight-Foot Gnomon

Geoyoung-Han Yoo(유경한)[CBNU], Byeong-Hee Mihn(민병희)[CBNU/KASI/UST],
Ki-Won Lee(이기원)[DCU], Sang Hyuk Kim(김상혁)[KASI], Yong-gi Kim(김용기)[CBNU]

15:55~16:10 구 HE-05

The lunar movement model presented in the Yuè lí lì lǐ of the Lì xiàng kǎo chéng

Seung-Urn choe(최승언)[SNU], Min-Jeong Kang(강민정)[SIHA], Myon U Lee(이면우)[CNUE]
Yang, Hong-Jin(양홍진)[KASI]

16:10~16:30 휴식시간

교육홍보

Astronomy Outreach and Education

좌장 : Kang Hwan Lee (이강환)[SNU]

16:30~17:00 초 AE-01

Recent Activities of the Promotion Committee to Register SeongByeonCheukHuDanJa as a UNESCO Memory of the World

Hyung Mok Lee(이형목)[SNU/UNESCO Registration Promotion Committee for the Daily Log],
Hong-Jin Yang(양홍진)[UNESCO Registration Promotion Committee for the Daily Log/KASI/UST],
Youngsil Choi(최영실)[UNESCO Registration Promotion Committee for the Daily Log/KASI],
Haem Jeong(정하림)[KASI], Hyojun Lee(이효준)[KASI/UST]

17:00~17:30 초 AE-02

Engaging with the Public through Astronomy: The Most Challenging Question

Chae Kyung Sim(심채경)[KASI]

17:30~17:45 구 AE-03

Introduction to astronomical spectroscopic observation and topics in education

In-Ok Song(송인옥)[Korea Science Academy of KAIST]

17:45~18:00 구 AE-04

R&E projects using a remote observation for the Radio Telescope of Gwacheon National Science Museum

Jaeil Cho(조재일)[GNSM], Hyunwook Jeon(전현욱)[Yonsei University/SNU],
Dong Wook Lee(이동욱), Marco Jun Kim(김마크준),
Seung Chan Hwang(황승찬)[Ewoo High School]

18:00~18:15 구 AE-05

Planetariums in South Korea

Chang Hyun Baek(백창현)[BNSM/NSM]

제1발표장 둘째날 : 10월 19일 (목)

초청강연 3

좌장 : Jubee Sohn (손주비)[SNU]

09:20~10:00 초 IT-03

Structural and Spectroscopic Evolution of Quiescent Galaxies in the Middle-Aged Universe

Ivana Damjanov[Saint Mary's University], Jubee Sohn(손주비)[SNU],
Margaret J. Geller[Harvard & Smithsonian], Yousuke Utsumi[Stanford University],
Ian Dell'Antonio[Brown University]

10:00~10:20 휴식시간

활동은하핵

Active Galactic Nuclei

좌장 : Dohyeong Kim (김도형)[PNU]

10:20~10:35 구 GC-14

Black hole mass and the size-luminosity relation: highlights from the 6-year Seoul National University Monitoring Project (SAMP)

Jong-Hak Woo(우종학)[SNU]

10:35~10:50 구 GC-15

Observational Evidence for a Dense Ambient Medium Shaping the Jet in 3C 84

Jongho Park(박종호)[KHU/KASI/Academia Sinica], Motoki Kino[Kogakuin University/NAOJ],
Hiroshi Nagai[NAOJ/SOKENDAI], Masanori Nakamura[Hachinohe College/Academia Sinica],
Keiichi Asada[Academia Sinica], Minchul Kam(감민철)[SNU],
Jeffrey A. Hodgson[Sejong University]

10:50~11:05 구 GC-16

Double SSA spectrum and magnetic field strength of the FSRQ 3C 454.3

Hyeon-Woo Jeong(정현우), Sang-Sung Lee(이상성), Whee Yeon Cheong(정위연)[UST/KASI],
Jae-Young Kim(김재영)[KNU/Max-Planck-Institute], Jee Won Lee(이지원),
Sincheol Kang(강신철)[KASI], Sang-Hyun Kim(김상현)[UST/KASI], B. Rani[KASI/NASA/American
University], Jongho Park(박종호)[KASI], Mark. A. Gurwell[Harvard & Smithsonian]

11:05~11:20 구 GC-17

Kinematics of the Parsec-Scale Jet in 3C 84: Discovery of Superluminal Components ejected at the termination region of the Subluminal Moving Jet

Minchul Kam(감민철)[SNU], Jeffrey Hodgson[Sejong University], Jongho Park(박종호)[KASI],
Motoki Kino[Kogakuin University/NAOJ], Hiroshi Nagai[NAOJ/Graduate University],
Sascha Trippe[SNU]

11:20~11:35 구 GC-18

Estimating the distance of 4C +29.45 using its variability and Doppler factor

Sincheol Kang(강신철)[KASI], Sang-Sung Lee(이상성)[KASI/UST],
Jeffrey Hodgson[Sejong University]

11:35~11:50 구 GC-19

z~5 Quasar Search via Deep Learning and Bayesian Information Criterion from The Hyper Suprime-Cam SSP Survey PDR3 Data

Yunyi Choi(최윤이), Myungshin Im(임명신), Suhyun Shin(신수현)[SNU]

11:50~13:20

점심시간

초기은하/은하단

High-z Galaxies/Clusters

좌장 : Hyunmi Song (송현미)[CNU]

13:20~13:35 구 GC-20

The Properties of Galaxies within Lyman Alpha Blobs: Connections to the CGM

Byeongha Moon(문병하), Yujin Yang(양유진)[KASI/UST], Ann Zabludoff[University of Arizona]

제1발표장 둘째날 : 10월 19일 (목)

초기은하/은하단
High-z Galaxies/Clusters

좌장 : Hyunmi Song (송현미)[CNU]

- 13:35~13:50 구 GC-21
Weak-Lensing Detection of Intracluster Filaments in the Coma cluster Aligned with the Large-Scale Cosmic Web
Kim HyeongHan(김형한)[Yonsei University], Myungkook James Jee(지명국)[University of California], Sangjun Cha(차상준), Hyejeon Cho(조혜전)[Yonsei University]
- 13:50~14:05 구 GC-22
Precision MARS Mass Reconstruction of Abell 2744: Combining Large Strong and Weak Lensing Datasets from JWST
Sangjun Cha(차상준), Kim HyeongHan(김형한), Zachary P. Scofield, Hyungjin Joo(주형진)[Yonsei University], Myungkook James Jee[Yonsei University/University of California]
- 14:05~14:20 구 GC-23
Weak-lensing Analysis of Galaxy Clusters with State-of-the-art Space Telescopes
Kyle Finner[California Institute of Technology/IPAC]
- 14:20~14:35 구 GC-24
Introduction to Korean Rubin Science Collaboration
Narae Hwang(황나래), Byeong-Gon Park(박병곤)[KASI]
- 14:35~14:50 구 GC-25
Participation in the Einstein Telescope Collaboration
Sungho Lee(이성호)[KASI], Chunglee Kim(김정리)[Ewha Womans University], Young-Sik Ra(라영식)[KIAS], Soojong Pak(박수정)[KHU], Kyujin Kwak(곽규진)[UNIST], June Gyu Park(박준규)[Yonsei University], Kyung-ha Lee(이경하)[Yonsei University], Kyungmin Kim(김경민), Young-Min Kim(김영민), Jinho Kim(김진호), Chang Hee Kim(김창희)[KASI], Byeong-Yoon Go(고병윤), Geunhee Gwak(곽근희)[KIAS], Hojae Ahn(안호재), Sumin Lee(이수민)[KHU], Kihyun Jung(정기현)[UNIST], Sumi Lee(이수미)[Ewha Womans University]

14:50~15:00 휴식시간

개회식 및 시상

- 개회사 : 박명구 한국천문학회 학회장
- 시상
 - + 셋별상 : 김창민회원(충남대학교), 서지우회원(충북대학교)
 - + 소남학술상 : 민영철회원(한국천문연구원)
 - + 학술상 : 지명국회원(연세대학교)
 - + 젊은천문학자상 : 홍종석회원(한국천문연구원)
 - + JKAS우수논문상 : 류윤현회원(한국천문연구원)
 - + 공로패 : 김영수회원(한국천문연구원), 한석태회원(한국천문연구원), 한인우회원(한국천문연구원)

초청강연 4

좌장 : Jongwan Ko (고종완)[KASI]

- 15:20~16:00 초 IT-04
Probes of Dark Matter with Large Halo Colliders
Myungkook James Jee(지명국)[Yonsei University]

16:00~17:30 제61차 정기총회

17:30~17:50 사진촬영

17:50~18:30 포스터 발표

18:30~21:00 만찬

제2발표장 둘째날 : 10월 19일 (목)

초청강연 3 (제1발표장)

좌장 : Jubee Sohn (손주비)[SNU]

09:20~10:00 초 IT-03

Structural and Spectroscopic Evolution of Quiescent Galaxies in the Middle-Aged Universe

Ivana Damjanov[Saint Mary's University], Jubee Sohn(손주비)[SNU],
Margaret J. Geller[Harvard & Smithsonian], Yousuke Utsumi[Stanford University],
Ian Dell'Antonio[Brown University]

10:00~10:20 휴식시간

항성,항성계/외계행성 2

Stars, Star clusters/Exoplanets 2

좌장 : Beomdu Lim (임범두)[Kongju Univ.]

10:20~10:35 구 SA-08

Optical analysis of SN 2023ixf in M101: from 10 years before and 100 days after the explosion

Sophia Kim(김소피아), Myungshin Im(임명신), Gregory S. H. Paek(백승학)[SNU],
Gu Lim(임구)[PNU], Seo-Won Chang(장수원)[SNU], IMSNG & SomangNet Team

10:35~10:50 구 SA-09

Massive star models with the updated $^{12}\text{C}+^{12}\text{C}$ reaction rate

Gwangeon Seong(성광언)[UNIST], Yubin Kim(김유빈)[Ewha Womans University],
Kyujin Kwak(곽규진)[UNIST], Chunglee Kim(김정리)[Ewha Womans University]

10:50~11:05 구 SA-10

Variable star CW Leonis on Gemini telescope

Hyosun Kim(김효선)[KASI]

11:05~11:20 구 SA-11

Investigating Asymmetry Development from SiO to H₂O Maser Regions in VX Sagittarii

Dong-Hwan Yoon(윤동환), Se-Hyung Cho(조세형), Youngjoo Yun(윤영주), Jaeheon Kim(김재현),
Haneul Yang(양하늘)[KASI]

11:20~11:35 구 SA-12

BOES Observations of Raman He II Features in the Young Planetary Nebulae NGC 6741, NGC6881, NGC 6884 and NGC 6886

Hee-Won Lee(이희원)[Sejong University], Bo-Eun Choi(최보은)[University of Washington],
Jiyu Kim(김지유)[Sejong University], Seok-Jun Chang(장석준)[Max Planck Institute for Astrophysics]

11:35~11:50 구 SA-13

The Observability of the Vertical Shear Instability on Thermally Stratified Disks

Han-Gyeol Yun(윤한결), Woong-Tae Kim(김웅태)[SNU], Jaehan Bae(배재한)[University of Florida]

11:50~13:20

점심시간

고에너지/이론천문학

High energy astronomy/Theoretical astronomy

좌장 : Dongsu Ryu (류동수)[UNIST]

13:20~13:35 구 HT-01

Temperature dependence in the observed mass-radius relationship of White Dwarfs

Jin Lim(임진), Jiyu Kim(김지유), Maurice H.P.M., van Putten[Sejong University]

13:35~13:50 구 HT-02

A time dependent SED model for young Pulsar Wind Nebulae

Chanho Kim(김찬호), Hongjun An(안홍준)[CBNU]

제2발표장 둘째날 : 10월 19일 (목)

고에너지/이론천문학

High energy astronomy/Theoretical astronomy

좌장 : Dongsu Ryu (류동수)[UNIST]

13:50~14:05 구 HT-03

General relativistic corrections to the multicolor spectrum of an irradiated accretion disk around a spinning black hole

Youngmin Kim(김영민)[CBNU]

14:05~14:20 구 HT-04

Disk spectrum of an irradiated circumbinary disk surrounding binary black holes

YuneWoo Lee (이윤우)[CBNU]

14:20~14:35 구 HT-05

Shocks Power Tidal Disruption Events

Taeho Ryu(류태호)[Max-Planck Institute], Julian Krolik[Johns Hopkins University], Tsvi Piran[Hebrew University], Scott Noble[NASA], Mark Avara[University of Cambridge]

14:35~14:50 구 HT-06

Radio Galaxies as the Origin of Ultra-High-Energy Cosmic Rays

Jeongbhin Seo(서정빈), Dongsu Ryu(류동수)[UNIST], Hyesung Kang(강혜성)[PNU]

14:50~15:00 휴식시간

개회식 및 시상 (제1발표장)

- 개회사 : 박명구 한국천문학회 학회장
- 시상

15:00~15:20

- + 셋별상 : 김창민회원(충남대학교), 서지우회원(충북대학교)
- + 소남학술상 : 민영철회원(한국천문연구원)
- + 학술상 : 지명국회원(연세대학교)
- + 젊은천문학자상 : 홍종석회원(한국천문연구원)
- + JKAS우수논문상 : 류윤현회원(한국천문연구원)
- + 공로패 : 김영수회원(한국천문연구원), 한석태회원(한국천문연구원), 한인우회원(한국천문연구원)

초청강연 4

좌장 : Jongwan Ko (고종완)[KASI]

15:20~16:00 초 IT-04

Probes of Dark Matter with Large Halo Colliders

Myungkook James Jee(지명국)[Yonsei University]

16:00~17:30 제61차 정기총회

17:30~17:50 사진촬영

17:50~18:30 포스터 발표

18:30~21:00 만찬

초청강연 3 (제1발표장)

좌장 : Jubee Sohn (손주비)[SNU]

09:20~10:00 초 IT-03

Structural and Spectroscopic Evolution of Quiescent Galaxies in the Middle-Aged Universe

Ivana Damjanov[Saint Mary's University], Jubee Sohn(손주비)[SNU],
Margaret J. Geller[Harvard & Smithsonian], Yousuke Utsumi[Stanford University],
Ian Dell'Antonio[Brown University]

10:00~10:20 휴식시간

성간물질/별생성/우리는하 2

Interstellar matter/Star formation/Milky Way Galaxy 2

좌장 : Jungyeon Cho (조정연)[CNU]

10:20~10:35 구 IM-08

The First Detection of Hourglass-shaped Magnetic Field in the L1544 Prestellar Core

Shinyoung Kim(김신영)[KASI], Chang Won Lee(이창원)[KASI/UST], Woojin Kwon(권우진)[SNU],
JCMT BISTRO survey members

10:35~10:50 구 IM-09

Dust Polarization and the Role of Magnetic Fields in Cosmic Ecosystems

Thiem Hoang[KASI/UST]

10:50~11:05 구 IM-10

Magnetic Field at the Galactic Center from Multi-wavelength Polarization

M. S. Akshaya[KASI], Thiem Hoang[KASI/UST]

11:05~11:20 구 IM-11

Synthetic Observations of Dust Polarization from Magnetically Enhanced RAdiative Torques
Alignment in Low-mass Protostellar Cores with POLARIS

Nguyen Chau Giang, Thiem Hoang[KASI/UST]

11:20~11:35 구 IM-12

Numerical modeling of thermal dust polarization from aligned grains in the envelope of
evolved stars with updated POLARIS

Gia Bao Truong Le, Thiem Hoang, Nguyen Chau Giang[KASI/UST]

11:35~11:50 구 IM-13

Magnetic Field as an Enhancement Facilitator of Nuclear Reaction Rate in the Universe

Kiwan Park(박기완)[Soongsil University]

11:50~13:20

점심시간

성간물질/별생성/우리는하 3

Interstellar matter/Star formation/Milky Way Galaxy 3

좌장 : Miju Kang (강미주)[KASI]

13:20~13:35 구 IM-14

TRAO Survey of Nearby Filamentary Molecular clouds, the Universal Nursery of Stars
(TRAO-FUNS).III. Filaments and dense cores in the NGC 2068 and NGC 2071 regions of
Orion B

Hyunju Yoo(유현주)[CNU/KASI], Chang Won Lee(이창원)[KASI/UST],
Eun Jung Chung(정은정)[CNU], Shinyoung Kim(김신영)[KASI], Mario Tafalla[Observatorio
Astronomico Nacional], Paola Caselli[Max-Planck-Institut],
Philip C. Myers[Harvard-Smithsonian], Kyoung Hee Kim(김경희)[KAS], Tie Liu[Shanghai
Astronomical Observatory], Woojin Kwon(권우진)[Shanghai Astronomical Observatory/SNU],
Archana Soam[Indian Institute/SOFIA], Jongsoo Kim(김종수)[KASI]

성간물질/별생성/우리는하 3

Interstellar matter/Star formation/Milky Way Galaxy 3

좌장 : Miju Kang (강미주)[KASI]

13:35~13:50 구 IM-15

Subsonic material outside dense cores : are cores truly isolated from the surrounding molecular cloud?

Spandan Choudhury, Jongsoo Kim(김중수)[KASI], Jaime E. Pineda, Paola Caselli[Max Planck Institute for Astrophysics]

13:50~14:05 구 IM-16

The correlation between dust and CN emission in high-mass star-forming clouds

Jihye Hwang(황지혜)[KASI], Chang Won Lee(이창원), Jongsoo Kim(김중수)[KASI/UST], Eun Jung Chung(정은정)[CNU], Kee-Tae Kim(김기태)[KASI/UST]

14:05~14:20 구 IM-17

Investigating HI superclouds, molecular clouds, and star formation in the outer Carina spiral arm

Geumsook Park(박금숙)[KASI/SNU], Bon-Chul Koo(구본철)[SNU], Kee-Tae Kim(김기태)[KASI], Bruce Elmegreen[IBM]

14:20~14:35 구 IM-18

Probing the Physical and Geometrical Properties of the Cold Neutral Medium in the LMC: Mapping HI Absorption across 30 Doradus

Gyueun Park(박규은), Min-Young Lee(이민영)[KASI/UST]

14:35~14:50 구 IM-19

Accretion Disk at the Close Periastron Passage of a Symbiotic Binary System

Po-Sheng Huang, Hyosun Kim(김효선)[KASI]

14:50~15:00 휴식시간

개회식 및 시상 (제1발표장)

- 개회사 : 박명구 한국천문학회 학회장

- 시상

15:00~15:20

+ 셋별상 : 김창민회원(충남대학교), 서지우회원(충북대학교)

+ 소남학술상 : 민영철회원(한국천문연구원)

+ 학술상 : 지명국회원(연세대학교)

+ 젊은천문학자상 : 홍중석회원(한국천문연구원)

+ JKAS우수논문상 : 류윤현회원(한국천문연구원)

+ 공로패 : 김영수회원(한국천문연구원), 한석태회원(한국천문연구원), 한인우회원(한국천문연구원)

초청강연 4

좌장 : Jongwan Ko (고종완)[KASI]

15:20~16:00 초 IT-04

Probes of Dark Matter with Large Halo Colliders

Myungkook James Jee(지명국)[Yonsei University]

16:00~17:30 제61차 정기총회

17:30~17:50 사진촬영

17:50~18:30 포스터 발표

18:30~21:00 만찬

제4발표장 둘째날 : 10월 19일 (목)

초청강연 3 (제1발표장)

좌장 : Jubee Sohn (손주비)[SNU]

09:20~10:00 초 IT-03

Structural and Spectroscopic Evolution of Quiescent Galaxies in the Middle-Aged Universe

Ivana Damjanov[Saint Mary's University], Jubee Sohn(손주비)[SNU],
Margaret J. Geller[Harvard & Smithsonian], Yousuke Utsumi[Stanford University],
Ian Dell'Antonio[Brown University]

10:00~10:20 휴식시간

천문우주관측기술 1

Astronomy & Space Science Technologies 1

좌장 : Chan Park (박찬)[KASI]

10:20~10:35 구 AT-01

Progress Report of KASI's SPHEREx Project

Woong-Seob Jeong(정웅섭), Yujin Yang(양유진)[KASI/UST], Jeonghyun Pyo(표정현),
Youngsoo Jo(조영수), Bomee Lee(이보미), Sung-Joon Park(박성준), Il-Joong Kim(김일중),
Seungcheol Bang(방신철), Jaeyeong Kim(김재영), Yongjung Kim(김용정)[KASI],
SPHEREx Korean Consortium

10:35~10:50 구 AT-02

Wavefront-based Alignment Simulation Using Second Mirror of the K-DRIFT

Seonwoo Kim(김선우)[KASI/CNU], Yunjong Kim(김윤종), Jongwan Ko(고종완)[KASI]

10:50~11:05 구 AT-03

Detector Mount Design for GMTNIRS

Sangjun Kim(김상준)[KASI/KNU], Chan Park(박찬), Sanghyuk Kim(김상혁), Woojin Park(박우진),
Heeyoung Oh(오희영), Ueejeong Jeong(정의정), Sungho Lee(이성호), Jae Sok Oh(오재석),
Jae-Joon Lee(이재준), Byeong-Gon Park(박병곤)[KASI], Myeong-Gu Park(박명구)[KNU]

11:05~11:20 구 AT-04

The KVN-Mopra VLBI Array: System Performance and Early Results at 22/43/86 GHz

Whee Yeon Cheong(정위연)[UST/KASI], Sang-Sung Lee(이상성),
Do-Young Byun(변도영)[KASI/UST], Hyeon-Woo Jeong (정현우),
Sang-Hyun Kim(김상혁)[UST/KASI]

11:20~11:35 구 AT-05

KVN Calibrator Survey (KVNCS) for Astronomy and Astrometry

Jeong Ae Lee(이정애)[KASI], Taehyun Jung(정태현), Bong Won Sohn(손봉원),
Do-Young Byun(변도영)[KASI/UST]

11:35~11:50 구 AT-06

Development of the wide IF 230 GHz SIS mixer for KVN-Pyeongchang VLBI station

Naeun Shin(신나은)[SNU/KASI], Jung-Won Lee(이정원)[KASI],
Ming-Jye Wang[Academia Sinica Institute]

11:50~13:20

점심시간

천문우주관측기술 2

Astronomy & Space Science Technologies 2

좌장 : Woong-Seob Jeong (정웅섭)[KASI]

13:20~13:50 박 AT-07

Simulation and Control for Astronomical Instrumentation based on Software Development Strategy

Tae-Geun Ji(지태근)[KHU]

제4발표장 둘째날 : 10월 19일 (목)

천문우주관측기술 2

Astronomy & Space Science Technologies 2

좌장 : Woong-Seob Jeong (정응섭)[KASI]

13:50~14:05 구 AT-08

The magnetic field environment of Near Moon Space: KMAG instrument observation

Ho Jin(진호), Khan-Hyuk Kim(김관혁)[KHU], Ian Garrick Bethell[U.C. Santa Cruz],
Woojin Jo(조우진), Hyeonhu Park(박현우), Junhyun Lee(이준현)[KHU], Seul-Min Baek(백솔민)[KASI],
KapSung Kim(김갑성)[KHU]

14:05~14:20 구 AT-09

Development of the Next Generation Solar Telescope Global Network

Heesu Yang(양희수), Seong-hwan Choi(최성환)[KASI]

14:20~14:35 구 AT-10

Detecting Gravitational Wave Background by Electromagnetic Cavity

Chan Park(박찬), Sang Hui Im(임상휘)[IBS-CTPU-PTC], Danho Ahn(안단호)[IBS-CAPP]

14:35~14:50 구 AT-11

Study on the feature importance of galaxies, stars and quasars classification with machine learning.

Changhee Son(손창희), Seonho Kim(김선호), Jitae Yoo(유지태), Dongwook Min(민동욱),
Kyujin Kwak(곽규진), Sungil Kim(김성일), Taehwan Kim(김태환)[UNIST], Ji Hoon Kim(김지훈)[SNU]

14:50~15:00 휴식시간

개회식 및 시상 (제1발표장)

- 개회사 : 박명구 한국천문학회 학회장

- 시상

15:00~15:20

+ 셋별상 : 김창민회원(충남대학교), 서지우회원(충북대학교)

+ 소남학술상 : 민영철회원(한국천문연구원)

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+ 공로패 : 김영수회원(한국천문연구원), 한석태회원(한국천문연구원),
한인우회원(한국천문연구원)

초청강연 4

좌장 : Jongwan Ko (고종완)[KASI]

15:20~16:00 초 IT-04

Probes of Dark Matter with Large Halo Colliders

Myungkook James Jee(지명국)[Yonsei University]

16:00~17:30 제61차 정기총회

17:30~17:50 사진촬영

17:50~18:30 포스터 발표

18:30~21:00 만찬

제1발표장 세째날 : 10월 20일 (금)

초청강연 4

좌장 : Beomdu Lim (임범두)[Kongju Univ.]

09:20~10:00 초 IT-04

Dynamics of star clusters in the era of LIGO and Gaia

Jongsuk Hong(홍종석)[KASI]

초청강연 5

좌장 : Sang Chul Kim (김상철)[KASI]

10:00~10:40 초 IT-05

Some Useful Information Obtainable from Spectral Lines of Complex Interstellar Molecules: A Small Suggestion on the International Collaboration Program

Young Chol Minh(민영철)[KASI]

10:40~11:00

휴식시간

은하모의실험 2

Galaxy Simulations 2

좌장 : Ena Choi (최이나)[UOS]

11:00~11:15 구 GC-26

Introduction of the "NewCluster" simulation

Sukyoung K. Yi(이석영), San Han(한산), Jinsu Rhee(이진수)[Yonsei University], Yohan Dubois, Juhan Kim(김주한)[KIAS] et al.

11:15~11:30 구 GC-27

Improving the performance of astrophysical simulation code RAMSES

San Han(한산), Sukyoung K. Yi(이석영)[Yonsei University]

11:30~11:45 구 GC-28

On the origin of star formation quenching of galaxies in group environments

Jinsu Rhee(이진수)[Yonsei University], Jongwan Ko(고종완)[KASI], Sukyoung K. Yi(이석영)[Yonsei University]

11:45~12:00 구 GC-29

Measuring Reliable Velocity Dispersions of Quiescent Galaxies in IllustrisTNG

Jubee Sohn(손주비)[SNU], Margaret J. Geller[Smithsonian Astrophysical Observatory], Josh Borrow, Mark Vogelsberger[Massachusetts Institute]

12:00~12:15 구 GC-30

First Results from the TNG-Cluster Simulation: Radio Relics in the Massive Galaxy Cluster Mergers

Wonki Lee(이원기)[Yonsei University/Harvard-Smithsonian], M. James Jee[Yonsei University/Yale University], John ZuHone[Harvard-Smithsonian], Daisuke Nagai[Yale University], Annalisa Pillepich[Max-Planck-Institut], Dylan Nelson[nstitut für theoretische Astrophysik], Kyle Finner[California Institute]

12:15~12:30 구 GC-31

Mach number distributions of simulated merger shocks

Eunyu Lee(이은유), Dongsu Ryu(류동수)[UNIST], Hyesung Kang(강혜성)[PNU]

12:30~13:30

점심시간

제1발표장 세째날 : 10월 20일 (금)

[특] 7DT

좌장 : Myungshin Im (임명신)[SNU]

13:30~13:45 구 7DT-01

The Commissioning of 7-Dimensional Telescope and its First Light

Ji Hoon Kim(김지훈), Myungshin Im(임명신), Hyung Mok Lee(이형목)[SNU],
Center for the Gravitational-Wave Universe

13:45~14:00 구 7DT-02

Possibility of Solar System Research with 7DT

Bumhoo Lim(임범후), Masateru Ishiguro, Jooyeon Geem(김주연)[SNU]

14:00~14:15 구 7DT-03

Active Galactic Nuclei Science with 7DT: Synergies with SPHEREx

Minjin Kim(김민진)[KNU]

14:15~14:30 구 7DT-04

Spatially-resolved Galaxy Study with 7DT

Hyunjin Shim(심현진)[KNU]

14:30~14:45 구 7DT-05

7DT/7DS: Photometric Calibration with Spectrophotometric Standard Stars and Gaia DR3 Spectra

Gregory S.H. Paek(백승학), Myungshin Im(임명신), Ji-hoon Kim(김지훈)[SNU]

14:45~15:00 구 7DT-06

Constraint on the progenitor system and explosion mechanism of Type Ia supernova SN 2021aefx

Hyeonho Choi(최현호), Myungshin Im(임명신)[SNU]

15:00~15:10

우수포스터상 시상 및 폐회

제2발표장 세째날 : 10월 20일 (금)

초청강연 4 (제1발표장)

좌장 : Beomdu Lim (임범두)[Kongju Univ.]

09:20~10:00 초 IT-04

Dynamics of star clusters in the era of LIGO and Gaia

Jongsuk Hong(홍종석)[KASI]

초청강연 5 (제1발표장)

좌장 : Sang Chul Kim (김상철)[KASI]

10:00~10:40 초 IT-05

Some Useful Information Obtainable from Spectral Lines of Complex Interstellar Molecules: A Small Suggestion on the International Collaboration Program

Young Chol Minh(민영철)[KASI]

10:40~11:00

휴식시간

우주론/암흑물질, 암흑에너지
Cosmology/Dark matter & dark energy

좌장 : James Jee (지명국)[Yonsei Univ.]

11:00~11:15 구 CD-01

Observational Evidence for the Quintessence as the Nature of Dark Energy

Changbom Park(박창범), Fuyu Dong[KIAS], Sungwook E. Hong(홍성욱)[KASI],
Juhan Kim(김주한)[KIAS], Ho Seong Hwang(황호성)[SNU], Hyunbae Park(박헌배)[LBNL],
Stephen Appleby[APCTP]

11:15~11:30 구 CD-02

The w tension in cosmology

Young-Wook Lee(이영욱), Junhyuk Son(손준혁), Chul Chung(정철), Seunghyun Park(박승현),
Hyejeon Cho(조혜전)[Yonsei University]

11:30~11:45 구 CD-03

Probing the origin of the host 'mass-step' in type Ia supernovae Hubble residuals

Chul Chung(정철), Suk-Jin Yoon(윤석진), Seunghyun Park(박승현) Seunghyeon An(안승현),
Junhyuk Son(손준혁), Hyejeon Cho(조혜전), Young-Wook Lee(이영욱)[Yonsei University]

11:45~12:00 구 CD-04

Towards an accurate Causality Distance of the Hubble Constant

Daehyun Kim (김대현), Jeffrey A. Hodgson[Sejong University]

12:00~12:15 구 CD-05

Local Universe from Cosmicflows-4

Alexandra Dupuy[KIAS]

12:15~12:30 구 CD-06

Probing the self-interacting nature of dark matter using merging clusters

Dongak Park(박동약)[Yonsei University], M. James Jee(지명국)[Yonsei University/University of
California]

12:30~13:30

점심시간

제2발표장 세째날 : 10월 20일 (금)

[특] Machine Learning

좌장 : David Parkinson[KASI]

13:30~13:45 구 ML-01

An Overview of Machine Learning in Astronomy

Cristiano G. Sabiu[niversity of Seoul]

13:45~14:00 구 ML-02

ML applications to GW astrophysics

Kyungmin Kim(김경민)[KASI]

14:00~14:15 구 ML-03

Numerical differences in cosmological simulations and correcting them using machine learning.

Minyong Jung(정민용), Ji-hoon Kim(김지훈)[SNU]

14:15~14:30 구 ML-04

Opening the Blackbox: Interpretable Machine Learning in Astronomy

Se Yeon Hwang(황세연), Cristiano G. Sabiu[niversity of Seoul]

14:30~14:45 구 ML-05

S Tag 2.0: Supernova Tagging and Classification

William Davison, David Parkinson[KASI/UST]

14:45~15:00 구 ML-06

Searching for Local Features in Primordial Power Spectrum using Genetic Algorithms

Kushal Lodha[KASI/UST]

15:00~15:10

우수포스터상 시상 및 폐회

제3발표장 세째날 : 10월 20일 (금)

초청강연 4 (제1발표장)

좌장 : Beomdu Lim (임범두)[Kongju Univ.]

09:20~10:00 초 IT-04

Dynamics of star clusters in the era of LIGO and Gaia

Jongsuk Hong(홍종석)[KASI]

초청강연 5 (제1발표장)

좌장 : Sang Chul Kim (김상철)[KASI]

10:00~10:40 초 IT-05

Some Useful Information Obtainable from Spectral Lines of Complex Interstellar Molecules: A Small Suggestion on the International Collaboration Program

Young Chol Minh(민영철)[KASI]

10:40~11:00

휴식시간

태양계
Solar system

좌장 : Minsup Jeong (정민섭)[KASI]

11:00~11:15 구 SS-01

Predicting abundance of Ru isotopes in SW, SN and PN: application of Nugrid project

Seonho Kim(김선호), Kyujin Kwak(곽규진)[UNIST]

11:15~11:30 구 SS-02

New evidence supporting past dust ejections from an active asteroid (4015) Wilson-Harrington

Sunho Jin(진선호), Jooyeon Geem(김주연)[SNU], Hiroyuki Naito[Nayoro Observatory], Jun Takahashi[University of Hyogo], Hiroshi Akitaya[Chiba Institute of Technology], Daisuke Kuroda, Seitaro Urakawa[Bisei Spaceguard Center], Seiko Takagi, Tatsuharu Oono[Hokkaido University], Tomohiko Sekiguchi[Hokkaido Univesity], Davide Perna, Simone Ieva[INAF], Yoonsoo P. Bach(박윤수), Hangbin Jo(조항빈), Masateru Ishiguro[SNU]

11:30~11:45 구 SS-03

Exploring the origins of cometary depressions based on collisional processes in the Edgeworth-Kuiper Belt

Bumhoo Lim(임범후), Masateru Ishiguro[SNU]

11:45~12:00 구 SS-04

Near Infrared Polarimetry of Airless Bodies Hints the Existence of Fine Dusts: The Case of Dawn Mission Targets, (4) Vesta and (1) Ceres

Yoonsoo P. Bach(박윤수), Masateru Ishiguro[SNU], Jun Takahashi[University of Hyogo], Jooyeon Geem(김주연)[SNU], Daisuke Kuroda[Japan Spaceguard Association], Hiroyuki Naito[Nayoro Observatory], Jungmi Kwon[The University of Tokyo]

12:00~12:15 구 SS-05

Spectral type and geometric albedo of (98943) 2001 CC21, the Hayabusa2# mission target

Jooyeon Geem(김주연), Masateru Ishiguro[SNU], Mikael Granvik[University of Helsinki/Lulea], Hiroyuki Naito[Nayoro Observatory], Hiroshi Akitaya[Chiba Institute/Hiroshima University], Tomohiko Sekiguchi[Hokkaido University], Sunao Hasegawa[JAXA], Daisuke Kuroda[Japan Spaceguard Association], Tatsuharu Oono[Hokkaido University], Yoonsoo P. Bach(박윤수), Sunho Jin(진선호)[SNU], Rio Imazawa[Hiroshima University], Kaji S. Kawabata[Hiroshima University], Seiko Takagi[Hokkaido University], Makoto Yoshikawa[JAXA], Analog A. Djupvik[Nordic Optical Telescope/Aarhus University], Thiim Julie Gadeberg[Nordic Optical Telescope, Tapio Pursimo[Nordic Optical Telescope/Aarhus University], Durfeldt Oliver Pedros[Nordic Optical Telescope/University of Denmark], Sinkbaek Jeppe Thomsen[Nordic Optical Telescope/Aarhus University, Universita` di Bologna], Zuri Gray[Nordic Optical Telescope/College Hill/University College London]

태양계
Solar system**좌장 : Minsup Jeong (정민섭)[KASI]**

12:15~12:30 구 SS-06

NSOS- α : THE FIRST KOREAN ASTEROID SURVEY TELESCOPEMyung-Jin Kim(김명진), Hong-Suh Yim(임홍서), Jaemann Kyeong(경재만),
Youngmin JeongAhn(정안영민), Hee-Jae Lee(이희재), Hong-Kyu Moon(문홍규), Dong-Goo Roh(노동구),
Jung Hyun Jo(조정현), Jang-Hyun Park(박장현), Sungki Cho(조성기)[KASI]

12:30~13:30

점심시간

[특] Artemis/CLPS**좌장 : Joo Hyeon Kim (김주현)[KARI]**

13:30~13:45 구 AC-01

DALO: Science instruments for lunar surface in collaboration with NASA's Artemis/CLPS initiative

Young-Jun Choi(최영준)[KASI/UST], Chae Kyung Sim(심채경), Dukhang Lee(이덕행),
Seul-Min Baek(백슬민), Jehyuck Shin(신재혁)[KASI], Jongho Seon(선종호), Sungsoo S. Kim(김성수),
Minsup Jeong(정민섭), Ho Jin(진호)[KHU], Sung-Joon Ye(예성준)[SNU]

13:45~14:00 구 AC-02

Lunar Space Environment Monitor (LUSEM), the first achievement in Korea for the CLPS Project

Go Woon Na(나고운), Jongho Seon(선종호), Kyu-Sung Chae(채규성), Woo-Hyeong Seol(설우형)[KHU],
Chan-Haeng Lee(이찬형)[KHU/KASI], Young-Jun Choi(최영준)[KASI/UST], Dukhang Lee(이덕행),
Chae Kyung Sim(심채경), Seul-Min Baek(백슬민), Jehyuck Shin(신재혁)[KASI], Jun Yong Park(박준용),
Young Jin Jun(전영진)[Satrec Initiative Co]

14:00~14:15 구 AC-03

The performance of Lunar Surface MAGnetometer (LSMAG) instrumen

Ho Jin(진호), Khan-Hyuk Kim(김관혁), Hyeonhu Park(박형후), Juhyeong Kim(김주형),
Seungmin Lee(이승민)[KHU], Hyeonjeong Lee(이효정), Seongwhan Lee(이성환)[NARA space
Technology], Derac Son[Sensorpia Inc.], Seul-Min Baek(백슬민), Jehyuck Shin(신재혁),
ChaeKyung Sim(심채경), Dukhang Lee(이덕행), Young-JunChoi(최영준)[KASI]

14:15~14:30 구 AC-04

Lunar Vehicle Radiation Dosimeter (LVRAD) Science Mission for Radiation Environment on the Lunar Surface

Sukwon Youn(윤석원)[SNU], Uk-won Nam(남옥원), Won-Kee Park(박원기), Jongdae Sohn(손종대),
Chae Kyung Sim(심채경), Dukhang Lee(이덕행), Seul-Min Baek(백슬민), Jehyuck Shin(신재혁),
Young-Jun Choi(최영준)[KASI], Sunghwan Kim(김성환)[Cheongju University], Hongjoo Kim(김홍주),
Insoo Jun(전인수)[KNU], Sung-Joon Ye(예성준)[Jet Propulsion Laboratory]

14:30~14:45 구 AC-05

Progress of Developing GrainCams as a Candidate instrument for CLPS

Minsup Jeong(정민섭)[KASI], Young-Jun Choi(최영준)[KASI/UST], Sungsoo S. Kim(김성수)[KHU],
Dukhang Lee(이덕행), Bongkon Moon(문봉곤)[KASI], Woojin Kim(김우진)[UST], Dae-Hee Lee(이대희),
Seonghwan Choi(최성환), Jihun Kim(김지현), Minbae Kim(김민배)[KASI],
Mingyeong Lee(이민경)[KASI/KHU], Chae Kyung Sim(심채경), Seul-Min Baek(백슬민),
Jehyuck Shin(신재혁)[KASI]

14:45~15:00 구 AC-06

Laboratory Experiment Result for Light Scattering of 3D Printed Lunar Simulants at Small Phase Angles

Mingyeong Lee(이민경)[KASI/UST], Minsup Jeong(정민섭)[KASI], Young-Jun Choi(최영준)[KASI/UST]

15:00~15:10

우수포스터상 시상 및 폐회

제4발표장 세째날 : 10월 20일 (금)

초청강연 4 (제1발표장)

좌장 : Beomdu Lim (임범두)[Kongju Univ.]

09:20~10:00 초 IT-04

Dynamics of star clusters in the era of LIGO and Gaia

Jongsuk Hong(홍종석)[KASI]

초청강연 5 (제1발표장)

좌장 : Sang Chul Kim (김상철)[KASI]

10:00~10:40 초 IT-05

Some Useful Information Obtainable from Spectral Lines of Complex Interstellar Molecules: A Small Suggestion on the International Collaboration Program

Young Chol Minh(민영철)[KASI]

10:40~11:00

휴식시간

[특] Heliosphere: Basics and Frontiers 1

좌장 : Ryun Young Kwon (권윤영)[KASI]

11:00~11:30 Tu HE-01

Understanding Solar Eruptions

Gwangson Choe (최광선)[KHU]

11:30~12:00 초 HE-02

Observation and Research Activities of Neutron Monitors in Korea

Suyeon Oh(오수연)[Chonnam National University]

12:00~12:15 구 HE-03

Fe/O variations on longitudinal distribution in large solar energetic particle events

Jinhye Park(박진혜)[KHU], R. Bucik[Southwest Research Institute], Hyun-Jin Jeong(정현진), Yong-Jae Moon(문용재)[KHU]

12:15~12:30 구 HE-04

Repeated Propagation of Intensity Disturbances along Polar Coronal Rays associated with Polar Coronal Plumes

Il-Hyun Cho(조일현), Yong-Jae Moon(문용재), Jin-Yi Lee(이진이), Junmo An(안준모), Dae Jung Yu(유대중)[KHU], Kyung-Suk Cho(조경석)[KASI/UST], Harim Lee(이하림)[KHU], Jae-Ok Lee(이재옥)[CNU/Satrec Initiative]

12:30~13:00 Tu HE-05

Toward Understanding the Habitability of an Exoplanet Orbiting a Magnetically-Active Host Star: Lesson from the Sun-Earth Connection in the Heliosphere

Jongchul Chae(채종철)[SNU]

12:30~13:30

점심시간

제4발표장 세째날 : 10월 20일 (금)

[특] Heliosphere: Basics and Frontiers 2

좌장 : Su-Chan Bong (봉수찬)[KASI]

13:30~14:00 Tu HE-06

Understanding the Heliosphere via Energetic Neutral Atoms and Pickup Ions

Dae-Young Lee(이대영)[CBNU]

14:00~14:30 Tu HE-07

Impacts of solar wind energy on the Earth's upper atmosphere and ionosphere

Young-Sil Kwak(곽영실)[KASI]

14:30~15:00 박 HE-08

Two-dimensional Patterns of Umbral Oscillations in Sunspots

Juhyung Kang(강주형)[SNU]

15:00~15:10

우수포스터상 시상 및 폐회

포스터 발표

고에너지 / 이론천문학(High energy astronomy/Theoretical astronomy)

- PHT-01
A Simulation Study of FR-I jets: Dynamics and Morphology
Ayan Bhattacharjee, Jeongbin Seo(서정빈)[UNIST]
- PHT-02
Hybrid simulations of the heating of heavy ion species by ion beams
Sunjung Kim(김선정), Dongsu Ryu(류동수)[UNIST]
- PHT-03
Conditions for the radiative Penrose process in an advection-dominated accretion flow around a black hole
Myeonghwan Oh(오명환), Myeong-Gu Park(박명구)[KNU]
- PHT-04
Radiative Properties of Millisecond Pulsar Binary System
Minseo Park(박민서), Geon Kim(김가은), Hongjun An(안홍준)[CBNU]

교육홍보(Astronomy Outreach and Education)

- PAE-01
Planning a long-term roadmap for astronomy education programs and workforce development at the Royal University of Phnom Penh, Cambodia
Kang Hwan Lee(이강환)[SNU], Wonseok Kang(강원석)[Spacebeam], Sun-Gill Kwon(권순길)[KYWA],
Kyoung Hee Kim(김경희)[KASI], Mikyung Kim(김미경)[KASI], Sang Chul Kim(김상철)[KASI],
Taewoo Kim(김태우)[Spacebeam], Young-Jae Moon(문용재)[KHU], Byeong Gon Park(박병곤)[KASI],
Soojong Pak(박수종)[KHU], Soonchang Park(박순창)[Metaspace], Jiwon Park(박지원)[CBNU/CPMC],
Changbom Park(박창범)[KIAS], Eon Chang Sung(성언창)[KASI], Naeun Shin(신나은)[SNU/KASI],
Yong Cheol Shin(신용철)[NYSC], Jihye Shin(신지혜)[SNU/UST], Aran Lyo(여아란)[KASI],
Hoseop Yoon(윤효섭)[NYSC], Sang Gak Lee(이상각)[SNU], Sang Hyun Lee(이상현),
Jeong Ae Lee(이정애)[KASI], Min-Ji Jeong(정민지)[CBNU], Yoonho Choi(최윤호)[NYSC],
Gwangson Choe(최광선)[KHU], Jihye Hwang(황지혜)[SNU]
- PAE-02
Development of Educational Newtonian Telescope using 3D printer
Heejung Yu(유희정), Dohoon Kim(김도훈), Soojong Pak(박수종)[KHU]
- PAE-03
Times-Series Observation Studies using Small Telescopes in Daegu National Science Museum Observatory
Joonho Kim(김준호), Hyeonwoo Moon(문현우), Yeejeong Lee(이예정), So-Yoon Jung(정소윤)[DNSM],
Yeji Seo(서예지)[Posan High School]
- PAE-04
Social activities and academic exchanges of Korea Young Astronomers Meeting (KYAM) in 2023
Yeon-Ho Choi(최연호)[KASI/UST], Suyeon Son(손수연)[UST], Minsu Kim(김민수)[Sejong University],
Serin Kim(김세린)[KHU], Changseok Kim(김창석)[SNU], Eunsuk Seo(서은숙)[CNU],
Hyeok Woo(우혁)[KASI/UST], Young Ju(주영)[University of Seoul]
- PAE-05
Exhibition planning for Gwacheon National Science Museum Planetarium: Space improvement and exhibit production considering expansion of visitor experience
Insun Ahn(안인선), Yuna Choi(최유나)[GNSM]

포스터 발표

성간물질/별생성/우리은하(ISM/Star Formation/Milky Way Galaxy)

- PIM-01
CO 1-0 Survey for Searching for the outflows in Very Low Luminosity Objects using TRAO-14m Telescope
Dong-Hyeok Koh(고동혁), Chang Won Lee(이창원)[KASI/UST], Mi-Ryang Kim(김미량)[KHU],
Nguyen Thi Phuong, Shinyoung Kim(김신영)[KASI]
- PIM-02
On the properties of six protostars near the H II region in the λ Orionis cloud
Hee-Weon Yi(이희원)[KASI], Kee-Tae Kim(김기태)[KASI/UST], Tie Liu[Shanghai Astronomical
Observatory]
- PIM-03
ALMA Study of the Disk-Outflow Systems of High-mass YSOs at Sub-arcsecond Resolutions
Gyuhoo Lee(이규호), Kee-Tae Kim(김기태)[KASI/UST], Tie Liu[Shanghai Astronomical Observatory] et al.
- PIM-04
E(B-V) Color Excesses of the Galactic H II Regions derived from the Extended Pa α and H α
Emissions
Il-Joong Kim(김일중), Woong-Seob Jeong(정웅섭)[KASI]
- PIM-05
Relationship between Luminosity and Water Snowline Radius Using Radiative Transfer Model
Young-Jun Kim(김영준), Jeong-Eun Lee1(이정은)[SNU], Seokho Lee(이석호)[KASI],
Giseon Baek(백기선)[SNU]
- PIM-06
Chemical modelling of HCN/HNC ratio in different environments
Seonjae Lee(이선재), Jeong-Eun Lee(이정은)[SNU], Seokho Lee(이석호)[KASI]
- PIM-07
A New Technique of Obtaining the Strength of the Magnetic Field from Dust Polarization
Jungyeon Cho(조정연)[CNU]

우주론/암흑물질, 암흑에너지(Cosmology/Dark matter & dark energy)

- PCD-01
Understanding the Formation and Evolution of Dark Galaxies in a Simulated Universe
Gain Lee(이가인), Ho Seong Hwang(황호성)[SNU]
- PCD-02
Constraining sum of neutrino mass using expanded set of topological quantities of the
large-scale structure.
Priya Goyal[KIAS]
- PCD-03
On the root cause of the host property - Hubble residual correlations in supernova cosmology
Seunghyun Park(박승현), Young-Wook Lee(이영욱), Chul Chung(정철), Junhyuk Son(손준혁),
Hyejeon Cho(조혜전)[Yonsei University]
- PCD-04
Beyond the Standard Model: Probing Modified Gravity and Geff with Cosmological Data
Si-Hyeong Noh(노시형), Benjamin L'Huillier[Sejong University]
- PCD-05
Constraining Features in the Primordial Power Spectrum with N-Body Simulations
Hyeon Kim(김현), Benjamin L'Huillier[Sejong University]

포스터 발표

우주론/암흑물질, 암흑에너지(Cosmology/Dark matter & dark energy)

PCD-06

Observational constraints on cosmic reionization history with Planck 2018 data

Dahee Lee(이다희), Minji Oh(오민지)[Chosun University], Atrideb Chatterjee[Inter-University Centre],
Sourav Mitra[Surendranath College] Kyungjin Ahn(안경진)[Chosun University]

PCD-07

Cluster-counterpart voids: Void identification from Galaxy Density Field

Junsup Shim(심준섭)[KIAS/Academia Sinica Institute], Changbom Park(박창범),
Juhan Kim(김주한)[KIAS], Sungwook E. Hong(홍성욱)[KASI/UST]

PCD-08

A Progress Report on the Quantitative Comparison of Dark Matter Distribution Predicted by
Machine Learning with Galaxy Distribution

Soojin Kim(김수진), Ho Seong Hwang(황호성)[SNU], Sungwook E. Hong(홍성욱)[KASI/UST],
Donghui Jeong(정동휘)[Pennsylvania State University/KIAS], Alexandra Dupuy,
Juhan Kim(김주한)[KIAS]

PCD-09

Developing a Method to Detect Radio Relics in Merging Galaxy Clusters

Hyobin Im(임효빈), David Parkinson[KASI/UST], Lawrence Rudnik[University of Minnesota],
Mijin Yoon(윤미진)[Leiden University]

PCD-10

Final parsec problem of black hole mergings and ultralight dark matter

Hyeonmo Koo(구현모)[University of Seoul], Jae-Weon Lee(이재원)[Jungwon University],
Dongsu Bak(박동수)[University of Seoul]

천문우주관측기술(Astrophysical Techniques)

PAT-01

Optical Alignment of Mode Matching Telescope in Einstein-Podolsky-Rosen(EPR) - Small
Scale Interferometer Ponderomotive Squeezing(SIPS) Experiment for Gravitational Wave
Detection

Sumin Lee(이수민), Hojae Ahn(안호재), Jimin Han(한지민), Soojong Pak(박수종)[KHU],
Chang-Hee Kim(김창희)[KASI], Sibilla Di Pace[University of Roma], Martina De Laurentis[Università
"Federico II" and INFN-Napoli], Seunghyuk Chang(장승혁)[Center for Integrated Smart Sensors],
Valeria Sequino[Università "Federico II" and INFN-Napoli], Francesco De Marco[University of Roma],
June Gyu Park(박준규)[Yonsei University], Yujung Kim(김윤중), Sungho Lee(이성호)[KASI],
Fiodor Sorrentino[INFN-Genova]

PAT-02

A Review of Coronagraph and Starshade Technology for Direct Imaging of Exoplanets

Yunjong Kim(김윤중)[KASI], Sungwook E. Hong(홍성욱)[KASI/UST], Ryun-Young Kwon(권윤영),
Hyunwoo Kang(강현우), Minsun Kim(김민선)[KASI]

PAT-03

Microroughness surface scattering modeling of Low Surface Brightness (LSB) observation for
MESSIER Surveyor Mission

Changgon Kim(김창곤)[KHU], Seunghyuk Chang(장승혁)[Center for Integrated Smart Sensors],
Dohoon Kim(김도훈)[KHU], Sunwoo Lee(이선우)[KBSI], Jimin Han(한지민)[KHU], Woojin Park(박우진)[KASI],
Daewook Kim(김대욱)[University of Arizona], Dae-Hee Lee(이대희)[KASI/KAIST], John R. Peterson[Purdue
University], David Valls-Gabaud[Observatoire de Paris], Soojong Pak(박수종)[KHU]

PAT-04

Design and Analysis of a Low-Vibration Cryogenic Dewar Module for Optical Testing of
Infrared Detectors

Shankar Bhattarai, Youngsoo Jo(조영수), Hoyeon Yang(양호연), Seungcheol Bang(방승철),
Woong-Seob Jeong(정웅섭)[KASI]

포스터 발표

천문우주관측기술(Astrophysical Techniques)

PAT-05

The 0.7-m Telescope System at Miryang Arirang Astronomical Observatory

Gu Lim(임구), Dohyeong Kim(김도형)[PNU], Keunhong Park(박근홍)[MAAO],
Seonghoon Lim(임승훈)[PNU/MAAO/GSEC], Jaemin Park(박재민), Junyeong Park(박준영),
Donghyun Kim(김동현)[PNU], Changsu Choi(최창수)[KASI], Hyeong Jeong(정하영)[PNU],
Myungshin Im(임명신)[SNU]

PAT-06

Preliminary wavefront measurement of collimators using Shack-Hartmann sensor

Hojae Ahn(안호재), Sumin Lee(이수민), Heejung Yu(유희정), Soojong Pak(박수종)[KHU],
Yunjong Kim(김윤종), Sungho Lee(이성호), Chang-Hee Kim(김창희)[KASI]

PAT-07

Annual Monitoring of Night Sky Brightness around Daegu National Science Museum

Hyeonwoo Moon(문현우), Joonho Kim(김준호)[DNSM]

태양계(Solar System)

PSS-01

Observational Strategy for the NSOS- α , Korea's Near-Earth Asteroid Survey Telescope

Youngmin JeongAhn(정안영민), Myung-Jin Kim(김명진), Hee-Jae Lee(이희재),
Hong-Kyu Moon(문홍규), Dong-Goo Roh(노동구), Hong-Suh Yim(임홍서), Jaemann Kyeong(경재만),
Jung Hyun Jo(조정현), Jang-Hyun Park(박장현), Sungki Cho(조성기)[KASI]

PSS-02

Dynamical study of Geminid formation assuming a rotational instability scenario

Hangbin Jo(조항빈), Masateru Ishiguro[SNU]

PSS-03

Lightcurve Survey of Asteroid with KMTNet

Hee-Jae Lee(이희재), Myung-Jin Kim(김명진), Hong-Kyu Moon(문홍규)[KASI],
Young-Jun Choi(최영준)[KASI/UST]

PSS-04

Optical telescope with spectro-polarimetric camera on the moon II

Ilhoon Kim(김일훈)[SLLAB], Sukbum Hong(홍석범)[KMLA], Joohyun Kim(김주현),
Haingja Seo(서행자)[KARI], Jeong hyun Kim(김정현), Youngjun Park(박영준)[SLLAB/KHU]

PSS-05

Polarimetric Experiments of Soil Samples from the Moon

Serin Kim(김세린)[KHU], Shuai Li[University of Hawaii at Manoa], Minsup Jeong(정민섭)[KASI],
Kilho Baek(백길호), Sungsoo S. Kim(김성수)[KHU], Eunjin Cho(조은진)[CNU]

PSS-06

The actual angular width of halo coronal mass ejections

Ryun Young Kwon(권윤영)[KASI]

PSS-07

COronal Diagnostic EXperiment (CODEX) Optical Performance Test

Su-Chan Bong(봉수찬), Donguk Song(송동욱), Ji-Hye Baek(백지혜), Jongyeob Park(박종엽),
Yeon-Han Kim(김연한), Seonghwan Choi(최성환)[KASI], Marta Casti, Jeffrey Newmark,
Qian Gong[NASA], Federico Landini, Valeria Caracci, Luca Zangrilli, Davide Loreggia,
Silvano Fineschi[INAF]

PSS-08

The Determination of Height of Transition Region on the Chromospheric Umbral Oscillation

Soosang Kang(강수상), Jongchul Chae(채종철)[SNU]

포스터 발표

태양우주환경(Sun and Space Environment)

- PSS-09
Three-Dimensional Detection of Alfvénic Waves in Fibrils of a Plage Region
Hannah Kwak(곽한나)[KASI]
- PSS-10
A Contingency Table used for Predicting Solar Radiation Storms
Hae-In Lee(이해인)[KASI/CBNU]
- PSS-11
Solar Flare Auto Detection Using Deep Learning Model
Seung-Ye Lee(이승예)[CNU], Ji-Hye Baek(백지혜), Eunsu Park(박은수), Seonghwan Choi(최성환)[KASI]
- PSS-12
How big flares are detectible from the H flux spectrum of the Sun and stars?
Younghun Oh(오영훈), Jongchul Chae(채종철)[SNU]
- PSS-13
Open New Horizon with L4 Mission: Scientific Goal and Requirements for Solar Chromospheric Imaging Spectrograph for L4
Eun-Kyung Lim(임은경), Donguk Song(송동욱), Sung-Hong Park(박성홍), Jeong-Yeol Han(한정열),
Kyung-Suk Cho(조경석), Seonghwan Choi(최성환), Rok-Soon Kim(김록순), Jungjoon Seough(서정준),
Junga Hwang(황정아)[KASI]
- PSS-14
Intensity-Velocity Correlation of NaI and Ha in Umbral Oscillations
Kyeore Lee(이겨레), Jongchul Chae(채종철)[SNU]
- PSS-15
Three-dimensional coronal electron density distributions driven from a deep learning model
Soojeong Jang(장수정)[KHU], Ryun-Young Kwon(권윤영)[KASI]
- PSS-16
AI-generated Solar Farside Magnetograms by STEREO EUV Observations and Their Applications in the Inner Heliosphere
Hyun-Jin Jeong(정현진), Yong-Jae Moon(문용재), Jinhye Park(박진혜), Harim Lee(이하림)[KHU],
Eunsu Park(박은수), Roksoon Kim(김록순)[KASI]
- PSS-17
The stability analysis of magnetic structure producing eruptive flares using observation -based models
Jihye Kang(강지혜)[KHU], Satoshi Inoue[New Jersey Institute of Technology],
Yong-Jae Moon(문용재)[KHU]
- PSS-18
Dark H α knots and Transparent Region of Light Bridge Jets
Heesu Yang(양희수)[KASI]
- PSS-19
Solar Coronal EUV Image generation beyond SDO/AIA's FOV by Deep Learning
Bendict Lawrance, Yong-Jae Moon(문용재), Hyunjin Jeong(정현진)[KHU], Eunsu Park(박은수)[KASI],
Harim Lee(이하림)[KHU]
- PSS-20
The Evolution of the Magnetic Field in AR 11974 Producing Diverse Solar Eruptions
Minseon Lee(이민선), Sibaek Yi(이시백), Gwangson Choe(최광선)[KHU]
- PSS-21
Solar Radio Bursts observed by KSRBL (Korean Solar Radio Burst Locator)
Sujin Kim(김수진), Hongdal Jun(전홍달), Su-Chan Bong(봉수찬), Sung-Hong Park(박성홍)[KASI]

포스터 발표

태양우주환경(Sun and Space Environment)

PSS-22

DEMs between SDO/AIA and EUV from solar Ca II Images by deep learning

Harim Lee(이하림)[KHU], Eunsu Park(박은수)[KASI], Hyun-Jin Jeong(정현진)[KHU], Gyungin Shin(신경인)[University of Oxford], Yong-Jae Moon(문용재)[KHU]

PSS-23

Pixel-to-pixel translation of solar EUV images for DEMs by deep learning

Eunsu Park(박은수)[KASI], Harim Lee(이하림), Yong-Jae Moon(문용재)[KHU], Seonghwan Choi(최성환)[KASI]

외부은하/은하단(External galaxies/Clusters of galaxies)

PGC-01

Dancing jet: Precession and oscillation of the M87 jet

Hyunwook Ro(노현욱)[KASI] on behalf of EAVN AGN Science Working Group

PGC-02

Measuring the Mass of the Bullet Cluster: A Weak Gravitational Lensing Analysis with HST and DECam data

Boseong Cho(조보성)[Yonsei University], M. James Jee(지명국)[Yonsei University/University of California]

PGC-03

A Study on Mass Production of Intracluster Stars in Pre-processing Phase Using Horizon Run 5

Hyungjin Joo(주형진)[Yonsei University], Myungkook J. Jee(지명국)[Yonsei University/University of California], Jaehyun Lee(이재현), Juhan Kim(김주한)[KIAS], Jongwan Ko(고종완)[KASI/UST], Jihye Shin(신지혜)[KASI], Changbom Park(박창범)[KIAS]

PGC-04

Modeling tidal disruption accretion of massive black hole in galaxy simulation.

Seungjae Lee(이승재), Ji-hoon Kim(김지훈)[SNU], Boon Kiat Oh[University of Connecticut]

PGC-05

The physical origins of a large polarization angle rotation of Blazar OJ 287

Wanchaloem Khwammmai, Minchul Kam(감민철), Sascha Trippe(SNU)

PGC-06

The formation of the compact objects in NewHorizon simulation

Jaekyoung Jang(장재경), Jinsu Rhee(이진수)[Yonsei University], Soo-chang Rey(이수창), Suk Kim(김석)[CNU], Sukeyoung K. Yi(이석영)[Yonsei University]

PGC-07

RVSNUpy: A new Python package to measure the redshifts.

Taewan Kim(김태완), Jubee Sohn(손주버), Ho Seong Hwang(황호성)[SNU]

PGC-08

Mitigating the Discrepancy: Bridging the Gap Between Observations and Simulations in the Mass-Metallicity Relation (MZR) within the Ultra-Faint Dwarf (UFD) Regime.

Minsung Ko(고민성), Myoungwon Jeon(전명원)[KHU]

PGC-09

Constraining magnetic field strength of a radio core in milliarcsecond scale jet of 3C 84 with Korean VLBI Network

Soyeon Yeo(여소연)[Yonsei University], Sang-Sung Lee(이상성), Whee Yeon Cheong(정위연)[KASI]

PGC-10

Interferometric monitoring of a blazar PKS 0735+178: a connection between neutrino events and radio flares?

Sang-Hyun Kim(김상현), Sang-Sung Lee(이상성), Whee Yeon Cheong(정위연), Hyeon-Woo Jeong(정현우)[KASI/UST]

포스터 발표

외부은하/은하단(External galaxies/Clusters of galaxies)

- PGC-11
Identifying Galaxy Clusters in IllustrisTNG-300 Using the Mulguisin Algorithm
Lael Shin(신라엘), Jubee Sohn(손주비)[SNU]
- PGC-12
Lyman Alpha Radiative Transfer in Rotating CGM
Hee-Gyeong Kim(김희경)[KASI/UST], Seok-Jun Chang(장석준), Max Gronke(Max Planck Institute for Astrophysics), Kwang-Il Seon(선광일)[KASI/UST]
- PGC-13
Improving astrometry accuracy of wide-field images for transient search
Jaewon Lee(이재원), Myungshin Im(임명신), Gregory Paek, Mankeun Jeong(정만근)[SNU], GECKO team
- PGC-14
Effects of the emission lines on the derived stellar mass from SED fitting with JWST NIRCAM photometry
Jiyoung Choe(최지영), Taysun Kimm(김태선), Daniel Han(한다니엘)[Yonsei University], Harley Katz[University of Oxford], Intae Jung(정인태)[NASA]
- PGC-15
A study of radio spectrum of Mrk 421
Jee Won Lee(이지원)[KASI], Sang-Sung Lee(이상성)[KASI/UST], Jeffrey Hodgson[Sejong University], Algaba Juan-Carlos[University of Malaya], Whee Yeon Cheong(정위연), Hyeon-Woo Jeong(정현우), Sincheol Kang(강신철), Sang-Hyun Kim(김상현)[KASI/UST]
- PGC-16
The SPHINX20 Public Data Release: Forward Modeling High-z JWST Observations with Cosmological RHD Simulations
Taysun Kimm(김태선)[Yonsei University], Harley Katz[University of Oxford], Joakim Rosdahl[Centre de Recherche Astrophysique de Lyon], SPHINX collaboration
- PGC-17
AGN Time Variability as a Cosmic Yardstick: A Case Study on a Blazar '1730-130' Using VLBI Observations
Sieun-Go(고시은)[CBNU], Sang-Sung Lee(이상성)[KASI/UST], Sincheol Kang(강신철)[KASI]
- PGC-18
To trace merger history of MW-like galaxies using the diffuse features with machine-learning
Yeonkyung Lee(이연경), Hyunmi Song(송현미)[CNU], Jihye Shin(신지혜), Sungryong Hong(홍성용), Jaehyun Lee(이재현), Kyungwon Chun(천경원)[KASI]
- PGC-19
Morphological Fractions of High-Redshift Galaxies in JWST Fields and HR5 Simulations
Jeong Hwan Lee(이정환)[KNU], Changbom Park(박창범)[KIAS], Ho Seong Hwang(황호성), Minsung Kwon(권민성)[SNU]
- PGC-20
A Cosmological Distance Measurement of a Blazar 0528+134 Using its Variability at Radio and X-ray
Min-Ji Kim(김민지)[KASI], Sang-Sung Lee(이상성)[KASI/UST], Sincheol Kang(강신철)[KASI]
- PGC-21
GW190814 Follow-up observations
Hongjae Moon(문홍재), Myungshin Im(임명신), Gregory Paek, Mankeun Jeong(정만근)[SNU]
- PGC-22
Constructing a Hydrogen Line Library for Galaxies in the Literature: I. Estimates on dust extinction and Ly α escape fraction for 14 and 79 galaxies
Junho Song(송준호), Hyunmi Song(송현미)[CNU], Hyunjin Shim(심현진)[KNU]

포스터 발표

외부은하/은하단(External galaxies/Clusters of galaxies)

- PGC-23
Gas kinematics of HI-rich AGN host galaxies probed using 3D-Barolo
Jeein Kim(김지인), Aeree Chung(정애리), Junhyun Baek(백준현)[Yonsei University], Ivy Wong[CSRIO],
Kyuseok Oh(오규석)[KASI], Michael Koss[Eureka Scientific], Minjin Kim(김민진)[KNU],
Jong-Hak Woo(우종학)[SNU], Jaejin Shin(신재진)[KASI], BASS team
- PGC-24
Field Lenticular Galaxy Formation in the NewHorizon Simulation
Seongbong Han(한성봉), Sukyoung K. Yi(이석영)[Yonsei University]
- PGC-25
Measuring The Stellar Mass Function of Massive Galaxy Clusters using Dense Spectroscopic
Surveys
Jongin Park(박종인), Jubee Sohn(손주비)[SNU]
- PGC-26
Ly α Radiative Transfer Modeling Using MUSE Data at $z = 3-6$
Sangeun Yu(유상은), Hyunmi Song(송현미)[CNU]
- PGC-27
Dust-obscured Type-1 Quasars at $z < 2.5$
Yongjung Kim(김용정)[KASI/KNU], Dohyeong Kim(김도형)[PNU], Myungshin Im(임명신)[SNU],
Minjin Kim(김민진)[KNU]
- PGC-28
Study on the LyC signal from $z \sim 4.5$ Lyman-alpha emitters found in the COSMOS field
Eunsuk Seo(서은숙), Hyunmi Song(송현미)[CNU]
- PGC-29
The results of KS4 Massive Cluster Survey at $z \sim 0.2-0.4$
Bomi Park(박보미), Myungshin Im(임명신)[SNU], Joonho Kim(김준호)[DNSM/SNU],
Minhee Hyun(현민희)[KASI], Seong-Kook Lee(이성국)[SNU], Jae-Woo Kim(김재우)[KASI],
Eunhee Ko(고은희)[SNU], KS4 team
- PGC-30
ODIN: Lyman Alpha Blobs at $z \sim 3.1$ in E-COSMOS
Byeongha Moon(문병하), Yujin Yang(양유진)[KASI/UST], ODIN Collaboration
- PGC-31
Star-formation evolution of galaxies in dense environment at the end of cosmic noon
Seong-Kook Lee(이성국), Myungshin Im(임명신), Bomi Park(박보미)[SNU], Minhee Hyun(현민희)[KASI],
Insu Paek(백인수)[SNU]
- PGC-32
Unveiling the Merging Scenario: Dark Matter Substructure in Abell 514
Eunmo Ahn(안은모)[Yonsei University], Myungkook James Jee(지명국)[Yonsei University/University of
California]
- PGC-33
Double-peaked emission lines in dust-obscured quasars
Junyeong Park(박준영), Dohyeong Kim(김도형), Donghyun Kim(김동현)[PNU]
- PGC-34
The Simulated SPHEREx Spectra of Nearby Type 1 AGNs
Hayeong Jeong(정하영), Dohyeong Kim(김도형)[PNU]
- PGC-35
Testing LAEs and LBGs as tracers of the large-scale structures in the high- z universe
Sang Hyoek Im(임상혁), Ho Seong Hwang(황호성)[SNU], HR5-ODIN Collaborators

포스터 발표

외부은하/은하단(External galaxies/Clusters of galaxies)

- PGC-36
The Discovery of Blue-cored Dwarf Early-type Galaxies in Isolated Environments: Breathing Dwarfs in Episodic Star Formation ?
Soo-Chang Rey(이수창), Suk Kim(김석)[CNU], Jiwon Chung(정지원)[KASI], Youngdae Lee(이영대)[CNU]
- PGC-37
Galaxy-Galaxy Blending in SPHEREx Survey data
Dachan Kim(김다찬), Hyunmi Song(송현미)[CNU], Yigon Kim(김이곤), Minjin Kim(김민진), Hyunjin Shim(심현진)[KNU]
- PGC-38
JWST NIRCам Point Spread Function Modeling
Zachary P. Scofield[Yonsei University], M. James Jee(지명국)[Yonsei University/University of California]
- PGC-39
Diverse rotation curves of galaxies in a simulated universe
Daeun Jeong(정다운), Ho Seong Hwang(황호성)[SNU]
- PGC-40
Identification of compact groups of galaxies in IllustrisTNG-300
Seungwu Yoo(유승우), Jubee Sohn(손주비)[SNU]
- PGC-41
UPCluster-SZ: The Updated Catalog of Galaxy Clusters from the List of Planck Sunyaev-Zeldovich Sources
Hyeonguk Bahk(박형욱), Ho Seong Hwang(황호성)[SNU]
- PGC-42
Estimations of angular diameter distance to two distant blazars 4C +38.41 ($z = 1.814$) and OJ 248 ($z = 0.939$) using their brightness variability
Young-Bin Shin(신영빈)[CBNU], Sincheol Kang(강신철)[KASI], Sang-Sung Lee(이상성)[KASI/UST]
- PGC-43
Spatial Distribution and Kinematics of the Perseus Cluster: A Comparison between Galaxies and Intracluster Medium
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Star Formation Histories of Early-type Dwarf Galaxies
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외부은하/은하단(External galaxies/Clusters of galaxies)

PGC-49

Rotation curve analysis of dwarf galaxies from JVLA-AVID

Jaebeom Kim(김재범), Se-Heon Oh(오세현), Minsu Kim(김민수),
Shinna Kim(김신나)[Sejong University], AVID team

PGC-50

The Effect of Supernova Winds on the Satellite Galaxy Distribution in Elliptical Galaxies

Sumi Kim(김수미), Ena Choi(최이나)[University of Seoul], Amanda C. N. Quirk[Columbia University],
Rachel S. Somerville[Flatiron Institut], Jeremiah P. Ostriker[Columbia University/Princeton
University], Michaela Hirschmann[Ecole Polytechnique Federale de Lausanne/INAF],
Thorsten Naab[Max-Planck-Institut]

항성, 항성계/외계행성(Stars, Star clusters/Exoplanets)

PSA-01

First Detection and Modeling of Spatially Resolved Ly α in TW Hya

Seok-Jun Chang(장석준)[Max Planck Institute for Astrophysics], Nicole Arulanantham[Space
Telescope Science Institute], Max Gronke[Max Planck Institute for Astrophysics],
Gregory J. Herczeg[Peking University], Edwin A. Bergin [University of Michigan]

PSA-02

Analysis of the progenitor and CO emission of a type IIP supernova 2021qqu using optical and
infrared data

Seong Hyun Park(박성현)[SNU], Jeonghee Rho(노정희)[SETI/SNU], Sung-Chul Yoon(윤성철)[SNU],
Claudia Gutierrez[ICE-CSIC], Aravind P. Ravi[University of Texas], Regis Carter,
Tom R. Geballe[Gemini Observatory], Peter Hoeflich[Florida State University],
K. Azalee Boestroem[University of Arizona], Joseph Farah, D. Andrew Howell[Las Cumbres
Observatory/University of California], Curtis McCully[Las Cumbres Observatory], Megan Newsome,
Estefania Padilla Gonzalez, Craig Pellegrino, Giacomo Terreran[Las Cumbres Observatory/University
of California], Yijung Kang[Gemini Observatory/Stanford University], LCO team, ePESSTO team

PSA-03

A study on the evolutionary process of late-type stars through maser observations II

Se-Hyung Cho(조세형)[SNU/KASI], Jaeheon Kim(김재현)[KASI/SNU], Seong-Min Son(손성민),
Hyun Baek(백현)[CBNU/SNU], Dong-Hwan Yoon(윤동환)[KASI], Kyung-Won Suh(서경원)[CBNU]

PSA-04

Statistical Investigation of the Asteroseismic Attribute of Stars with and without Exo-planets

Yun-A Jo(조윤아), Heon-Young Chang(장현영)[KNU]

PSA-05

Analyzing the Spectroscopy data of Helium stars using the CMFGEN code.

Heesu Kim(김희수)[SNU]

PSA-06

Flare Identification in Irregularly Sampled Multivariate Time-series data with Transformer

Seo-Won Chang (장서원)[SNU]

특별세션1-SKA

PSKA-01

The roadmap and the current status of developing the Korea SKAO Regional Centre

Jungha Kim(김정하), Hyunwoo Kang(강현우), Shinyoung Kim(김신영)[KASI],
Hyeseung Lee(이혜승)[UNIST]

포스터 발표

특별세션2-K-DRIFT

PKDRIFT-01

K-DRIFT Preparation: Experiment on Observation Strategy for the LSB Study

Woowon Byun(변우원)[KASI], Kwang-Il Seon(선광일), Jongwan Ko(고종완)[KASI/UST],
Jae-Woo Kim(김재우)[KASI], Minjin Kim(김민진)[KNU]

특별세션3-Heliosphere: Basics and Frontiers

PHE-01

Proton temperature anisotropy in Alfvénic slow solar wind with Alfvén wave turbulence and kinetic instabilities

Hwanhee Lee(이환희), Jungjoon Seough(서정준)[KASI], Bo Li[Shandong University],
Yeon-Han Kim(김연한), Kyung-Suk Cho(조경석)[KASI]

PHE-02

The 2022 June 13 Solar Energetic Particle Event Accelerated by the CME-driven Shock in Interplanetary Space

Ji-Hyeon Yoo(유지현)[KASI/CBNU], Ryun-Young Kwon(권윤영)[KASI], Dae-Young Lee(이대영)[CBNU]

특별세션4-Machine Learning

PML-01

Advancing Galaxy Studies through Autoencoder-Based Image Retrieval: Research and Applications

Suk Kim(김석), Eunsuk Seo(서은숙), Youngdae Lee(이영대)[CNU],
Sang-Il Han(한상일)[Ewha Womans University], Hak-Sub Kim(김학섭)[Sejong University],
Soo-Chang Rey(이수창), Hyunmi Song(송현미)[CNU]

특별세션6-Artemis/CLPS

PAC-01

Electronics System Design of the GrainCams for the CLPS

Nayeon Kim(김나연)[KHU], Woojin Kim(김우진), Bongkon Moon(문봉곤)[KASI/UST],
Jehyuck Shin(신재혁), Dukhang Lee(이덕행), Minsup Jeong(정민섭), Jihun Kim(김지현),
Seonghwan Choi(최성환), Minbae Kim(김민배), Chae Kyung Sim(심채경), Seoul-Min Baek(백슬민)[KASI],
Mingyeong Lee(이민경), Young-Jun Choi(최영준)[KASI/UST], Sungsoo S. Kim(김성수)[KHU],
Dae-Hee Lee(이대희)[KASI/UST]

PAC-02

Development Model of Dust Mitigation Module for GrainCams in Lunar Exploration Mission

Jehyuck Shin(신재혁), Dukhang Lee(이덕행), Minsup Jeong(정민섭)[KASI],
Bongkon Moon(문봉곤)[KASI/UST], Dae-Hee Lee(이대희)[KASI], Woojin Kim(김우진)[KASI/UST],
Jihun Kim(김지현), Seonghwan Choi(최성환), Minbae Kim(김민배), Chae Kyung Sim(심채경),
Seoul-Min Baek(백슬민)[KASI], Mingyeong Lee(이민경)[KASI/UST], Sungsoo S. Kim(김성수)[KHU],
Young-Jun Choi(최영준)[KASI/UST]

PAC-03

The light-field camera simulation and results for SurfCam of the GrainCams payload

Minbae Kim(김민배)[KASI], Mingyeong Lee(이민경)[KASI/UST], Jihun Kim(김지현),
Minsup Jeong(정민섭)[KASI], Bongkon Moon(문봉곤), Woojin Kim(김우진)[KASI/UST],
Seonghwan Choi(최성환), Dae-Hee Lee(이대희), Dukhang Lee(이덕행), Chae Kyung Sim(심채경),
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포 스테 발표

특별세션6-Artemis/CLPS

PAC-04

Preliminary Mechanical and Thermal Design of GrainCams: A Suite of Two Optical Cameras for the Study of Dust Grains on the Lunar Regolith

Dukhang Lee(이덕행)[KASI], Woojin Kim(김우진), Bongkon Moon(문봉곤)[KASI/UST],
Jihun Kim(김지현), Dae-Hee Lee(이대희), Seonghwan Choi(최성환), Minsup Jeong(정민섭),
Jehyuck Shin(신재혁)[KASI], Chae Kyung Sim(심채경), Minbae Kim(김민배),
Mingyeong Lee(이민경)[KASI/UST], Seul-Min Baek(백솔민), Sungsoo S. Kim(김성수)[KHU],
Young-Jun Choi(최영준)[KASI/UST]

2023년도 가을 한국천문학회 학술대회

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