



ADPRIM 2014

12th Asia-Pacific Regional IAU Meeting
August 18-22, 2014 / DCC, Daejeon, Korea

S4 : Galaxies, AGN and Cosmology

Session: [B2A-4] S4 : Galaxies, AGN and Cosmology

Date: August 19, 2014 (Tuesday)

Time: 11:00~12:25

Room: Room D (Room 105~106)

Chair: Sascha Trippe (Seoul National University)

[B2A-4-1]

11:00~11:20

[Invited] Evidence for the Luminosity Evolution of Type Ia Supernovae from Early-type Host Galaxies

Young-Wook Lee (Yonsei University, Korea), Yijung Kang, Young-Lo Kim, Dongwook Lim, and Chul Chung

[B2A-4-2]

11:20~11:40

[Invited] Sustaining Galaxy Evolution: the Role of Stellar Feedback

Atefeh Javadi (Institute for research in Fundamental Sciences, Iran), Jacco Th. Van Loon, and Habib Khosroshahi

[B2A-4-3]

11:40~11:55

Molecular Gas Properties under ICM Pressure in the Cluster Environment

Aeree Chung (Yonsei University, Korea) and Bumhyun Lee

[B2A-4-4]

11:55~12:10

Tracing Recent Star Formation of Red Early-type Galaxies

Jongwan Ko (Korea Astronomy and Space Science Institute, Korea), Ho Seong Hwang, Myungshin Im, and Jong Chul Lee

[B2A-4-5]

12:10~12:25

The Galactic-Scale Molecular Outflows in Starburst Galaxies NGC 2146 and NGC 3628

An-Li Tsai (National Central University, Taiwan) and Satoki Matsushita



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Session: [B2B-4] S4 : Galaxies, AGN and Cosmology

Date: August 19, 2014 (Tuesday)

Time: 14:00~15:30

Room: Room D (Room 105~106)

Chair: Atefeh Javadi (Institute for Research in Fundamental Science)

[B2B-4-1]

14:00~14:15

Super-Massive Black Hole Mass Scaling Relations

Alister W. Graham (Swinburne University of Technology, Australia), Nicholas Scott, and James Schombert

[B2B-4-2]

14:15~14:30

Black Hole - Galaxy Scaling Relation and its Evolution

Jong-Hak Woo (Seoul National University, Korea)

[B2B-4-3]

14:30~14:45

Density Profiles for Chaplygin Gas Accretion Upon Black Holes : Moderately Differentiated Minima in Wind Branch

Ritabrata Biswas (Bengal Engineering and Science University Shibpur, India)

[B2B-4-4]

14:45~15:00

On Small Nascent Galaxies in the Debris of Interacting Systems

C. Sengupta (Korea Astronomy and Space Science Institute, Korea), T. C. Scott, K. S. Dwarakanath, D. J. Saikia, and B. W. Sohn

[B2B-4-5]

15:00~15:15

Molecular Gas and Radio Jet Interaction: A Case Study of the Seyfert 2 AGN M51

Satoki Matsushita (Academia Sinica Institute of Astronomy and Astrophysics, Taiwan), Dinh-V-Trung, Frederic Boone, Melanie Krips, Jeremy Lim, and Sebastien Muller

[B2B-4-6]

15:15~15:30

BS2fit: New Tool for Analyzing Spectra and Color-Magnitude Diagrams of Galaxies and Clusters

Zhongmu Li (Dali University, China) and Caiyan Mao



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Date: August 19, 2014 (Tuesday)

Time: 16:00~17:30

Room: Room D (Room 105~106)

Chair: Jong-Hak Woo (Seoul National University)

[B2C-4-1]

16:00~16:20

[Invited] Merger Relics in Galaxy Clusters

Sukyong K. Yi (Yonsei University, Korea)

[B2C-4-2]

16:20~16:35

A Suite of Hydrodynamical Simulations for the Lyman-Alpha Forest with Massive Neutrinos

Graziano Rossi (Sejong University, Korea), Nathalie Palanque-Delabrouille, Arnaud Borde, Matteo Viel, Christophe Yèche, James Bolton, James Rich, and Jean-Marc Le Goff

[B2C-4-3]

16:35~16:50

UV Properties of Post-merger Galaxies in Rich Abell Clusters at $z \lesssim 0.1$

Yun-Kyeong Sheen (University of Concepción, Chile) and Sukyong K. Yi

[B2C-4-4]

16:50~17:05

Radio Variability and Random Walk Noise Properties of Four Blazars

Sascha Trippe (Seoul National University, Korea) and Jong-Ho Park

Poster Session

17:05~17:30

Chairs: Jong-Hak Woo (Seoul National University)

Sascha Trippe (Seoul National University)



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Session: [B3A-4] S4 : Galaxies, AGN and Cosmology

Date: August 20, 2014 (Wednesday)

Time: 11:00~12:30

Room: Room D (Room 105~106)

Chair: Nguyen Quynh Lan (Hanoi National University of Education)

[B3A-4-1]

11:00~11:20

[Invited] Constraints on Pre-Inflation Cosmology and Dark Flow

G. J. Mathews (University of Notre Dame, USA), N. Q. Lan, and T. Kajino

[B3A-4-2]

11:20~11:40

[Invited] 21cm Cosmology

Tzu-Ching Chang (Academia Sinica Institute of Astronomy and Astrophysics, Taiwan)

[B3A-4-3]

11:40~12:00

[Invited] Probing Galaxy Formation Models in Cosmological Simulations with Observations of Galaxy Groups

Habib Khosroshahi (Institute for Research in Fundamental Science, Iran), Ghassem Gozaliasl, Alexis Finoguenov, Mojtaba Raouf, and Halime MirAghee

[B3A-4-4]

12:00~12:15

Revisiting WMAP Beam Profiles via Planck Radio and SZ Catalogues

U. Sawangwit (National Astronomical Research Institute of Thailand, Thailand), J. R. Whitbourn, and T. Shanks

[B3A-4-5]

12:15~12:30

The Taipan Survey: Cosmology from the Nearby Universe

Matthew Colless (Australian National University, Australia)



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Date: August 20, 2014 (Wednesday)

Time: 14:00~15:30

Room: Room D (Room 105~106)

Chair: Dharam (Vir) Lal (National Centre for Radio Astrophysics (NCRA-TIFR))

[B3B-4-1]

14:00~14:15

Formulation and Constraints on Late Decaying Dark Matter

N. Q. Lan (Hanoi National University of Education, Vietnam), N. T. Giang, G. Mathews, and I-S. Shu

[B3B-4-2]

14:15~14:30

Modeling the Surface Brightness of Early-Type Galaxies

Ing-Guey Jiang (National Tsing Hua University, Taiwan) and Li-Chin Yeh

[B3B-4-3]

14:30~14:45

Large Gpc Volume Simulations of Reionization Based on Semi-Analytic Galaxy Formation Models

Hansik Kim (The University of Melbourne, Australia), J. Stuart B. Wyithe, Jaehong Park, G. B. Poole, and C. G. Lacey

[B3B-4-4]

14:45~15:00

HST and LAMOST Discover a Dual Active Galactic Nucleus in J0038+4128

Huang Yang (Peking University, China), Liu xiaowei, Yuan Haibo, Xiang Maosheng, and et al.

[B3B-4-5]

15:00~15:15

Simulated Star Formation Rate Functions at $z \sim 4-7$, and the Role of Feedback in High- z Galaxies

E. Tescari (University of Melbourne, Australia), A. Katsianis, J. S. B. Wyithe, K. Dolag, L. Tornatore, P. Barai, M. Viel, and S. Borgani

[B3B-4-6]

15:15~15:30

Discovery of a Strong Lensing Galaxy Embedded In a Cluster at $z = 1.62$

Kenneth C. Wong (Academia Sinica Institute of Astronomy and Astrophysics, Taiwan), Kim-Vy H. Tran, Sherry H. Suyu, Ivelina G. Momcheva, Gabriel B. Brammer, Mark Brodwin, Anthony H. Gonzalez, Aleksii Halkola, Glenn G. Kacprzak, Anton M. Koekemoer, Casey J.



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Room: Room D (Room 105~106)

Chair: Tzu-Ching Chang (Academia Sinica Institute of Astronomy and Astrophysics)

[B3C-4-1]

16:00~16:20

[Invited] FastSound: Probing the Origin of Cosmic Acceleration by Galaxy Clustering at $z \sim 1.3$ with Subaru/FMOS

Tomonori Totani (The University of Tokyo, Japan)

[B3C-4-2]

16:20~16:35

Infrared Medium Deep Survey

Myungshin Im (Seoul National University, Korea), Soojong Pak, Jae-Woo Kim, Seong-Kook J. Lee, Marios Karouzos, Ji Hoon Kim, Won-Kee Park, Yiseul Jeon, Minhee Hyun, Changsu Choi, Yongmin Yoon, Yongjung Kim, Hyunsung Jun, Dohyeong Kim, Yoon Chan Taak, Gieson Baek, Hyeongju Jeong, Juhee Lim, Eunbin Kim, Nahyun Choi, Hye-In Lee, K. M. Bae, and Seunghyuk Chang

[B3C-4-3]

16:35~16:50

Dark Matter Cores in Dwarf Galaxies

Se-Heon Oh (The University of Western Australia, Australia), Deidre Hunter, Elias Brinks, and Bruce Elmegreen

[B3C-4-4]

16:50~17:05

Cosmic Dust and Cosmology

Thomas Prevenslik (QED Radiations, Hong Kong)

Poster Session

17:05~17:30

Chairs: Tzu-Ching Chang (Academia Sinica Institute of Astronomy and Astrophysics)

Dharam (Vir) Lal (National Centre for Radio Astrophysics (NCRA-TIFR))



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Session: [B4A-4] S4 : Galaxies, AGN and Cosmology

Date: August 21, 2014 (Thursday)

Time: 11:00~12:30

Room: Room D (Room 105~106)

Chair: Grant J. Mathews (University of Notre Dame)

[B4A-4-1]

11:00~11:20

[Invited] Application of Cepheids in Distance Scale: Extending to Ultra-Long Period Cepheids

Chow-Choong Ngeow (National Central University, Taiwan)

[B4A-4-2]

11:20~11:35

Variability of Broad Absorption Lines in a QSO SDSS on Multi-year Timescales

Weihao Bian (Nanjing Normal University, China) and Zhicheng He

[B4A-4-3]

11:35~11:50

On The Long Time Spectral Variability Of NGC 5548

N. Z. Ismailov (Shamakhy Astrophysical Observatory Azerbaijan of NAS, Azerbaijan) and U. Z. Bashirova

[B4A-4-4]

11:50~12:05

Dynamics of Elliptical Galaxies in the Framework of MODified Newtonian Dynamics

Chung-Ming Ko (National Central University, Taiwan) and Yong Tian

Poster Session

12:05~12:30

Chair: Grant J. Mathews (University of Notre Dame)



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Session: [B5A-4] S4 : Galaxies, AGN and Cosmology

Date: August 22, 2014 (Friday)

Time: 09:00~10:25

Room: Room D (Room 105~106)

Chair: Habib G. Khosroshahi (Institute for Research in Fundamental Science)

[B5A-4-1]

09:00~09:20

[Invited] Shock Waves and Nonthermal Processes in Clusters of Galaxies

Dongsu Ryu (Ulsan National Institute of Science and Technology, Korea) and Hyesung Kang

[B5A-4-2]

09:20~09:40

[Invited] Multi-Scale Outflows in Active Galactic Nuclei

Tinggui Wang (University of Science and Technology of China, China)

[B5A-4-3]

09:40~09:55

Coronal Gas Flow and Its Condensation in AGN Black Hole Disk Accretion

R.E. Taam (Academia Sinica Institute of Astronomy and Astrophysics, Taiwan), B. F. Liu, E. Qiao, and W. Yuan

[B5A-4-4]

09:55~10:10

The Mass-metallicity Relation as Clues to Galaxy Feedback Models

Joo Heon Yoon (University of California Santa Barbara, USA), Crystal L. Martin, and Alaina Henry

[B5A-4-5]

10:10~10:25

Apparent Inward Motion of the Parsec-scale Jet in the BL Lac Object OJ 287 Simultaneously with the Gamma-ray Flares during 2011-2012

Satoko Sawada-Satoh (National Astronomical Observatory of Japan, Japan), Kazunori Akiyama, Kotaro Niinuma, Hiroshi Nagai, Motoki Kino, Filippo D'Ammando, Shoko Koyama, Kazuhiro Hada, Monica Orienti, Mareki Honma, Katsunori M. Shibata, and Yuji Ueno



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Session: [B5B-4] S4 : Galaxies, AGN and Cosmology

Date: August 22, 2014 (Friday)

Time: 11:00~12:30

Room: Room D (Room 105~106)

Chair: Tinggui Wang (University of Science and Technology of China)

[B5B-4-1]

11:00~11:20

[Invited] Active Galactic Nuclei Interaction with the Hot Gas Environment: Understanding from the Radio and the X-ray Data

Dharam Vir Lal (National Centre for Radio Astrophysics (NCRA-TIFR), India)

[B5B-4-2]

11:20~11:40

[Invited] Novel Picture of the AGN Central Engine Established by X-ray and Optical Simultaneous Studies

Hirofumi Noda (University of Tokyo, Japan)

[B5B-4-3]

11:40~11:55

Small-Scale Environments in Galaxy Clusters: Conformity between Bright Galaxies and Their Faint Companions

Joon Hyeop Lee (Korea Astronomy and Space Science Institute, Korea), Hye-Ran Lee, Minjin Kim, Kwang-Il Seon, Sang Chul Kim, Chang Hee Ree, Jong Chul Lee, Hyunjin Jeong, Soung-Chul Yang, Jongwan Ko, and Changsu Choi

Poster Session

11:55~12:30

Chairs: Tinggui Wang (University of Science and Technology of China)

Habib G. Khosroshahi (Institute for Research in Fundamental Science)



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Poster Presentation

P4-01 A Holographic Reconstruction Scheme for $f(T)$ Gravity

Surajit Chattopadhyay (Pailan College of Management and Technology, India) and Antonio Pasqua

P4-02 A Study on Extended Holographic Ricci Dark Energy in Chameleon Brans-Dicke Cosmology

Surajit Chattopadhyay (Pailan College of Management and Technology, India)

P4-03 Small Sized MHD Accretion Disc for High Magnetic Field Around Supermassive Black Holes : Does It Contradict Observed Galactic Accretions?

Ritabrata Biswas (Bengal Engineering and Science University Shibpur, India)

P4-04 Gravitational Collapse in Husain Space-time for Brans-Dicke Gravity Theory

Prabir Rudra (Bengal Engineering and Science University, India) and Ritabrata Biswas, and Ujjal Debnath

P4-05 Spectroscopic Observations of Hundreds of Star Formation Regions in M33 and M101

Xu Kong (University of Science and Technology of China, China), Ning Hu, Lin Lin, and Fuzhen Cheng

P4-06 The Evolution of Groups of Galaxies in the Millennium Simulation

A. Hashemizadeh (Institute for Advanced Studies in Basic Sciences, Iran), H. Khosroshahi, H. Haghi, and M. Raouf

P4-07 Age Dating Groups of Galaxy in Millennium Simulation

Mojtaba. Raouf (Institute for Research in Fundamental Sciences, Iran) and H. Khosroshahi

P4-08 Different Evolutionary Paths in Brightest Cluster Galaxies: Stellar Populations and Metallicity Gradients

Paola Oliva-Altamirano (Swinburne University, Australia), S. Brough, K. V. Tran, Jimmy, and W. Couch

P4-09 Weak Gravitational Lensing Analysis of a Complete Sample of 50 Massive Galaxy Clusters

A. Phriksee (Chiang Mai University, Thailand), G. Covone, and S. Komonjinda

P4-10 Resolving the Molecular Gas Around the Lensed Quasar RXJ0911.4+0551

P. T. Anh (Vietnam Astrophysics Training Laboratory, Vietnam), P. Darriulat, P. N. Diep, P. N. Dong, D. T. Hoai, N. T. Phuong, P. T. Nhung, and N. T. Thao

P4-11 A Stringent Limit on the Variation in the Fine-Structure Constant from Analysis of Absorption Line Multiplets in the Early Universe

T. D. Le (CNS, Vietnam)



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P4-12 The AKARI 2.5-5.0 Micron Spectral Atlas of 83 Nearby and Bright Type 1 Active Galactic Nuclei

Dohyeong Kim (Seoul National University, Korea), Myungshin Im, Ji Hoon Kim, Hyunsung David Jun, Jong-Hak Woo, Hyung Mok Lee, Myung Gyoon Lee, Takao Nakagawa, Hideo Matsuhara, Takehiko Wada, Shinki Oyabu, Toshinobu Takagi, and Youichi Ohyama

P4-13 Interactions between Galaxies in a Low-Redshift Group: NGC 4065 Group

O. Tasuya (Chiang Mai University, Thailand), U. Sawangwit, and W. Kriwattanawong

P4-14 Star Formation Activity of Galaxies in a Nearby Compact Group: NGC 4095 Group

P. Poojon (Chiang Mai University, Thailand), U. Sawangwit, and W. Kriwattanawong

P4-15 What Makes a Radio-AGN Tick? Triggering and Feeding of Active Galaxies with Strong Radio Jets

Marios Karouzos (Seoul National University, Korea), Myungshin Im, Jae-Woo Kim, Seong-Kook Lee, and Scott Chapman

P4-16 Radiative Efficiency of Disc Accretion in Individual SDSS QSOs

Fupeng Zhang (Peking University, China), Shumei Wu, Youjun Lu, and Ye Lu

P4-17 Star Forming Activity of Cluster Galaxies at Redshift~1

Jae-Woo Kim (Seoul National University, Korea), Myungshin Im, Seong-Kook Lee, and Minhee Hyun

P4-18 HI absorbers from the 40% of Arecibo Legacy Fast ALFA Survey

Zhongzu Wu (Guizhou University, China), Martha P. Haynes, and Giovanelli Riccardo

P4-19 X-ray Observations of 2MIG Isolated AGNs with XMM Newton

Nadiia Pulatova (National Astronomical Research Institute of Thailand, Thailand), Iryna Vavilova, Utane Sawangwit, Iurii Babyk, and Anatoliy Tugay

P4-20 On the Importance of using Appropriate Spectral Models to Derive Physical Properties of Galaxies

Camilla Pacifici (Yonsei University, Korea), Elisabete da Cunha, Stephane Charlot, and Sukyoung Yi

P4-21 Environmental Dependence of Stellar Population Properties of High-redshift Galaxies

Seong-Kook Lee (Seoul National University, Korea), Myungshin Im, and Jaewoo Kim

P4-22 Voids Lensing on the CMB at High Resolution

Anut Sanka (Suranaree University of Technology, Thailand), Utane Sawangwit, and Nuanwan Sanguansak

P4-23 The Effect of Dust on to Optical Color Gradients of Early Type Galaxies

Jintae Park (Kyungpook National University, Korea) and Hynjin Shim



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P4-24 Reverberation Mapping on Quasars using RATIR

Zeus Valtierra (Instituto de Astronomia, Universidad Nacional Autonoma de Mexico, Mexico), Jesus Gonzalez, and Yair Krongold

P4-25 The Impact of the AGN Activity in Virgo Cluster

E. Tremou (Yonsei University, Korea), T. Jung, A. Chung, and B. W. Sohn

P4-26 Is Calcium II Triplet a Good Metallicity Indicator of Globular Clusters in Early-Type Galaxies?

Chul Chung (Yonsei University, Korea), Suk-Jin Yoon, Sang-Yoon Lee, and Young-Wook Lee

P4-27 Identifying Gas Outflows in Type-2 AGNs

Hyun-Jin Bae (Yonsei University, Korea) and Jong-Hak Woo

P4-28 Optical Spectroscopy of X-ray Selected Intermediate-mass Black Holes

Minjin Kim (Korea Astronomy and Space Science Institute, Korea) and Luis C. Ho

P4-29 Studying the Morphology and Star Formation of Galaxies as a Probe of Galaxy Evolution

Hsuan-Ju Chen (National Central University, Taiwan) and Chorng-Yuan Hwang

P4-30 A Fresh Look at the Early-type Galaxies in the Ursa Major Cluster

Mina Pak (Chungnam National University, Korea), Soo-Chang Rey, Thorsten Lisker, Youngdae Lee, Suk Kim, Eon-Chang Sung, Helmut Jerjen, and Jiwon Chung

P4-31 The Evolution of Mass-Metallicity Relation at $0.20 < z < 0.35$

Jiwon Chung (Chungnam National University, Korea), Soo-Chang Rey, Eon-Chang Sung, Suk Kim, and Youngdae Lee

P4-32 Evolution of Dwarf Lenticular Galaxies in the Virgo Cluster : An Ultraviolet Perspective

Suk Kim (Chungnam National University, Korea), Soo-Chang Rey, Youngdae Lee, Jiwon Chung, Thorsten Lisker, Helmut Jerjen, and Eon-Chang Sung

P4-33 Constraining Cosmological Parameters with Gravitational Lensed Quasars in the SDSS

Du-Hwan Han (Kyungpook National University, Korea) and Myeong-Gu Park

P4-34 The Evolution of Baryonic Mass of Elliptical Galaxies in the Sloan Digital Sky Survey

Chung-Ming Ko (National Central University, Taiwan), Ting-Hung Peng, Yong Tian, and Chen-Hung Chen

P4-35 Clustering Properties of Lyman-break Galaxies at $z \sim 4$ in Hierarchical Galaxy Formation Models

Jaehong Park (The University of Melbourne, Australia), Hansik Kim, and J. Stuart B. Wyithe



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P4-36 Investigating Plasma Physical Properties of Jets in Nearby Radio-bright AGN with KVN and KaVA

Jae-Young Kim (Seoul National University, Korea), Sang-Sung Lee, Taeseok Lee, Junghwan Oh, Jong-Ho Park, Bong Won Sohn, and Sascha Trippe

P4-37 Newly Discovered Footprints of Galaxy Interaction Around Seyfert 2 Galaxy NGC 7743

Yongjung Kim (Seoul National University, Korea), Myungshin Im, Changsu Choi, Minhee Hyun, Yongmin Yoon, and Yoon chan Taak

P4-38 X-ray Cavities in Early-type Galaxies

Jaejin Shin (Seoul National University, Korea), Jong-Hak Woo, and John S. Mulchaey

P4-39 Yonsei Nearby Supernova Evolution Investigation (YONSEI) Supernova Catalogue: Host-Galaxy Morphology and the Luminosity of Type Ia Supernova

Young-Lo Kim (Yonsei University, Korea), Yijung Kang, and Young-Wook Lee

P4-40 The Luminosity of Type Ia Supernova and the Properties of their Early-Type Host Galaxies

Yijung Kang, Young-Lo Kim, Dongwook Lim, Chul Chung, Young-Wook Lee, and Eon-Chang Sung (Yonsei University, Korea)

P4-41 Finding the Acceleration Parameter in MODified Newtonian Dynamics by Elliptical Galaxies

Yong Tian (National Central University, Taiwan) and Chung-Ming Ko

P4-42 High Redshift Galaxy Clusters in ELAIS-N1/N2 Fields with a New Color Selection Technique

Minhee Hyun (Seoul National University, Korea), Myungshin Im, Jae-Woo Kim and Seong-Kook Lee

P4-43 High Redshift Quasar Survey with IMS

Yiseul Jeon (Seoul National University, Korea) and Myungshin Im

P4-44 Mergers and Fly-by Encounters between Dark Matter Halos in Cosmological Simulations

Sung-Ho An (Yonsei University, Korea), Jeonghwan H. Kim, Kiyun Yun, Juhan Kim, and Suk-Jin Yoon

P4-45 Search for Very Fast Variability in AGN Radio Light Curves

Taeseok Lee (Seoul National University, Korea), Sascha Trippe, Bong Won Sohn, Sang-Sung Lee, Do-Young Byun, and Junghwan Oh

P4-46 Star-Forming Regions in the Local Group

Yongbeom Kang (Korea Astronomy and Space Science Institute, Korea) and Luciana Bianchi

P4-47 The Evolution of Ultra-compact Dwarfs and Globular Clusters in a Virgo Cluster-like Halo

Jihye Shin (Kavli Institute for Astronomy and Astrophysics, China), Eric Peng, Marcel Zemp, and Sungsoo S. Kim



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P4-48 Lifetime of Merger Features of Equal-mass Disk Mergers

Inchan Ji (Yonsei University, Korea), Sébastien Peirani, and Sukyoung K. Yi

P4-49 A Study of a Tidally Interacting BCD Pair, ESO 435-IG20 and ESO 435-IG16

Eon-Chang Sung (Korea Astronomy and Space Science Institute, Korea), Jinhyub Kim, and Aeree Chung

P4-50 Galaxy Cluster Merger in Controlling Cosmic Ray Pressure in the Intracluster Medium

Reju Sam John (Pondicherry Engineering College, India), Surajit Paul, and Harish Kumar

P4-51 Impact of Neighbors in SDSS Galaxy Pairs

Jun-Sung Moon (Yonsei University, Korea) and Suk-Jin Yoon

P4-52 Optical Photometric Observations of Blazars at Maidanak Observatory

D. O. Mirzaqulov (Ulugh Beg Astronomical Institute, Uzbekistan), Sh. A. Ehgamberdiev, C. M. Raiteri, and M. Villata

P4-53 Mapping AGN Outflows on μ s Scales

J. Oh (Seoul National University, Korea), S. Trippe, T. Krichbaum, B. W. Sohn, and M. Bremer

P4-54 Observation and Comprehensive Analyses of Gravitationally Lensed Quasars at Maidanak Observatory

I. Asfandiyarov (Ulugh Beg Astronomical Institute, Uzbekistan), Sh. Ehgamberdiev, R. Gaysin, G. Meylan, F. Courbin, M. Tewes, E. Eulaers, S. Rathna Kumar, C. S. Stalin, and T. P. Prabhu

P4-55 Star Formation in Nuclear Rings of Barred-Spiral Galaxies

Woo-Young Seo (Seoul National University, Korea) and Woong-Tae Kim

P4-56 Origin and Evolution of Structure for Galaxies in the Local Group

Nguyen Quynh Lan (Hanoi National University of Education, Vietnam), Grant Mathews, Nguyen Anh Vinh, and Doan Duc Lam

P4-57 Host Galaxy of Tidal Disruption Object, Swift J1644+57

Yongmin Yoon (Seoul National University, Korea), Myungshin Im, Seong-Kook Lee, and Soojong Pak

P4-58 Low Luminosity AGNs at the Center of the Perseus Cluster

Songyoung Park (Yonsei University, Korea), Jun Yang, Raymond Oonk, and Zsolt Paragi

P4-59 Search for Time Lag of Sgr A* IDV by KVN Multi-Frequencies Observation

Atsushi Miyazaki (Korea Astronomy and Space Science Institute, Korea), Sang-Sung Lee, Bong-Won Sohn, and Taehyun Jung



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P4-60 Pre-processing of Galaxies in the Filaments Around the Virgo Cluster

Hyein Yoon (Yonsei University, Korea), Aeree Chung, Chandreyee Sengupta, O. Ivy Wong, Martin Bureau, Soo-Chang Rey, and J. H. van Gorkom

P4-61 High-resolution Spectroscopic Observations of SN 2014J in M82

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