

**The second annual conference
of Transformative Research
Areas (A), “Multimessenger
Astrophysics”**

Report of Contributions

Contribution ID: 2

Type: **not specified**

Summary of X-ray Observations

Monday 18 November 2024 13:35 (5 minutes)

Presenters: SERINO, Motoko (Aoyama Gakuin University); SERINO, Motoko (Aoyama Gakuin University)

Session Classification: A04

Contribution ID: 3

Type: **not specified**

Development of The Multi-Messenger Observation Database and Viewer

Monday 18 November 2024 13:40 (15 minutes)

Presenters: KAWAKUBO, Yuta (Aoyama Gakuin University); Dr KAWAKUBO, Yuta (Aoyama Gakuin University)

Session Classification: A04

Contribution ID: 4

Type: **not specified**

A search for extremely-high-energy neutrinos and first constraints on the ultra-high-energy proton fraction with IceCube

Wednesday 20 November 2024 09:00 (20 minutes)

Presenters: MEIER, Maximilian (Chiba University); MEIER, Maximilian (Chiba University – ICE-HAP)

Session Classification: A01

Contribution ID: 5

Type: **not specified**

CAMELOT and IXPE: All-Sky Monitoring and Polarimetry for Multimessenger Astrophysics (2)

Monday 18 November 2024 13:55 (15 minutes)

Presenters: MIZUNO, Tsunefumi (Hiroshima University); MIZUNO, Tsunefumi (Hiroshima University)

Session Classification: A04

Contribution ID: 6

Type: **not specified**

Progress of theoretical modeling on high-energy neutrino emission

Tuesday 19 November 2024 09:00 (10 minutes)

Presenters: KIMURA, Shigeo (Tohoku University); KIMURA, Shigeo (Tohoku University)

Session Classification: C01

Contribution ID: 7

Type: **not specified**

Probing Neutrino Echoes in IceCube Upgrade

Wednesday 20 November 2024 09:20 (15 minutes)

Presenter: FARRAG, Kareem (Chiba University)

Session Classification: A01

Contribution ID: 8

Type: **not specified**

Cosmic ray propagation code based on magnetohydrodynamic simulation

Tuesday 19 November 2024 09:10 (15 minutes)

Presenters: ISHIZAKI, Wataru (Tohoku University); ISHIZAKI, Wataru (Tohoku University)

Session Classification: C01

Contribution ID: 9

Type: **not specified**

Current Status of KOYOH Satellite

Monday 18 November 2024 14:10 (15 minutes)

Presenters: SAWANO, Tatsuya (Kanazawa University); SAWANO, Tatsuya (Kanazawa University)

Session Classification: A04

Contribution ID: **10**

Type: **not specified**

Development of the Optical Detector Modules For IceCube-Gen2

Wednesday 20 November 2024 09:35 (15 minutes)

Presenters: TSUJI, Tomoyuki (Chiba University); TSUJI, Tomoyuki; KASAI, Yujiro (Chiba University); KASAI, Yujiro

Session Classification: A01

Contribution ID: 11

Type: **not specified**

Fermi and eROSITA as Byproducts of Galactic Evolution

Tuesday 19 November 2024 09:25 (15 minutes)

Presenters: SHIMODA, Jiro (ICRR); SHIMODA, Jiro (University of Tokyo/High Energy Astrophysics Group)

Session Classification: C01

Contribution ID: 12

Type: **not specified**

Neutrino - X-ray multi-messenger analysis for transients: How should we approach it?

Wednesday 20 November 2024 09:50 (20 minutes)

Presenters: IWAKIRI, Wataru (Chiba University); IWAKIRI, Wataru (Chiba University)

Session Classification: A01

Contribution ID: 13

Type: **not specified**

Sub-photospheric GeV-TeV neutrinos from Gamma Ray Burst Jets : Impact of Central Engine Time Variabilities

Tuesday 19 November 2024 09:40 (15 minutes)

Presenters: NAKAMA, Kanako (Tohoku University); NAKAMA, Kanako (Tohoku University)

Session Classification: C01

Contribution ID: 14

Type: **not specified**

Recent Topics of X-ray Astrophysics with XRISM

Monday 18 November 2024 14:25 (15 minutes)

Presenters: BAMBA, Aya (Tokyo University); BAMBA, Aya (The University of Tokyo)

Session Classification: A04

Contribution ID: 15

Type: **not specified**

Multimessenger picture of SNe and Nuclear Processes

Tuesday 19 November 2024 09:55 (15 minutes)

Presenters: EKANGER, Nick (Tohoku University); EKANGER, Nick (Tohoku University)

Session Classification: C01

Contribution ID: 16

Type: **not specified**

KOYOH satellite science data analysis

Monday 18 November 2024 14:40 (10 minutes)

Presenters: SUGIZAKI, Mutsumi (Kanazawa University); SUGIZAKI, Mutsumi (Kanazawa University)

Session Classification: A04

Contribution ID: 17

Type: **not specified**

TBD

Tuesday 19 November 2024 10:10 (15 minutes)

Presenter: MURASE, Kohta (Penn State University)

Session Classification: C01

Contribution ID: **18**

Type: **not specified**

Summary for the Activity of C2

Wednesday 20 November 2024 10:10 (5 minutes)

Presenters: SHIBATA, Masaru (AEI/YITP); SHIBATA, Masaru (Max Planck Institute for Gravitational Physics/YITP)

Session Classification: C02

Contribution ID: 19

Type: **not specified**

Nebular emission modeling for collapsars

Wednesday 20 November 2024 10:15 (15 minutes)

Presenters: HOTOKEZAKA, Kenta (University of Tokyo); Prof. HOTOKEZAKA, Kenta (University of Tokyo)

Session Classification: C02

Contribution ID: 20

Type: **not specified**

Optical and infrared observations for GW/neutrino sources

Tuesday 19 November 2024 10:25 (15 minutes)

Presenters: TANAKA, Masaomi (Tohoku University); TANAKA, Masaomi (Tohoku University)

Session Classification: A03

Contribution ID: 21

Type: **not specified**

GRRMHD simulations of neutron star mergers

Wednesday 20 November 2024 10:30 (15 minutes)

Presenters: SEKIGUCHI, Yuichiro (Toho University); SEKIGUCHI, Yuichiro (Toho University)

Session Classification: C02

Contribution ID: 22

Type: **not specified**

Core-collapse of rotating massive stars and transients

Wednesday 20 November 2024 10:45 (15 minutes)

Presenters: FUJIBAYASHI, Sho (Tohoku University); FUJIBAYASHI, Sho (Tohoku University)

Session Classification: C02

Contribution ID: 23

Type: **not specified**

Predicting multi-messenger emissions from interacting stripped-envelope supernovae

Wednesday 20 November 2024 11:00 (15 minutes)

Presenters: TAKEI, YUKI (Yukawa Institute for Theoretical Physics, Kyoto University); TAKEI, Yuki (YITP)

Session Classification: C02

Contribution ID: 24

Type: **not specified**

Status and plans of A02 group

Monday 18 November 2024 15:20 (20 minutes)

Presenters: MORISAKI, Soichiro (ICRR); MORISAKI, Soichiro

Session Classification: A02

Contribution ID: 25

Type: **not specified**

Development of an analytical joint prior for effective spin distribution in gravitational wave astronomy

Monday 18 November 2024 15:40 (20 minutes)

Presenters: IWAYA, Masaki (ICRR); IWAYA, Masaki (ICRR, U-Tokyo)

Session Classification: A02

Contribution ID: 26

Type: **not specified**

Induced Compton Scattering in Fast Radio Bursts

Wednesday 20 November 2024 11:15 (15 minutes)

Presenters: IOKA, Kunihito (YITP, Kyoto University); IOKA, Kunihito (Yukawa Institute for Theoretical Physics, Kyoto University)

Session Classification: C02

Contribution ID: 27

Type: **not specified**

Activities and Outlook of the RESCEU Group

Monday 18 November 2024 16:00 (20 minutes)

Presenters: CANNON, Kipp (RESCEU, The University of Tokyo); CANNON, Kipp (The University of Tokyo)

Session Classification: A02

Contribution ID: **28**

Type: **not specified**

Closing Remark

Wednesday 20 November 2024 11:30 (20 minutes)

Contribution ID: 29

Type: **not specified**

Constraining High-Energy Neutrino Transients by IceCube Neutrino Multiplet Event: neutrino multiplets

Tuesday 19 November 2024 10:40 (15 minutes)

Presenters: SHIMIZU, Nobuhiro (Chiba University); SHIMIZU, Nobuhiro (Chiba University)

Session Classification: A03

Contribution ID: 30

Type: **not specified**

Constraining High-Energy Neutrino Transients by IceCube Neutrino Multiplet Event: optical counterpart search

Tuesday 19 November 2024 10:55 (15 minutes)

Presenters: TOSHIKAGE, Seiji (Tohoku University); TOSHIKAGE, Seiji (Tohoku University)

Session Classification: A03

Contribution ID: **31**

Type: **not specified**

AMEGO-X

Monday 18 November 2024 16:20 (15 minutes)

Presenters: SUDA, Yusuke (Hiroshima University); SUDA, Yusuke (Hiroshima University)

Session Classification: B01

Contribution ID: 32

Type: **not specified**

Multi-Messenger Astronomy in the Near Future with Subaru/PFS

Tuesday 19 November 2024 11:10 (10 minutes)

Presenters: ZHANG, Haibin (NAOJ); ZHANG, Haibin (NAOJ)

Session Classification: A03

Contribution ID: 33

Type: **not specified**

Multimessenger follow-up observations with Seimei telescope

Tuesday 19 November 2024 11:20 (10 minutes)

Presenters: TAGUCHI, Kenta (Kyoto University); TAGUCHI, Kenta (Okayama Observatory, Kyoto University)

Session Classification: A03

Contribution ID: 34

Type: **not specified**

Probing hot Comptonizing plasma in the vicinity of black holes through observations of X-ray binaries

Monday 18 November 2024 16:35 (10 minutes)

Presenters: SHIDATSU, Megumi (Ehime University); SHIDATSU, Megumi (Ehime University)

Session Classification: 公募研究 1

Contribution ID: 35

Type: **not specified**

Current status of Very High-Energy gamma-ray observations

Tuesday 19 November 2024 14:30 (15 minutes)

Presenters: SUDA, Yusuke (Hiroshima University); SUDA, Yusuke (Hiroshima University)

Session Classification: A05

Contribution ID: 36

Type: **not specified**

Recent Extragalactic Observations at Very High Energies by LST-1

Tuesday 19 November 2024 14:45 (15 minutes)

Presenters: ROY, Abhradeep (Hiroshima University); ROY, Abhradeep (Hiroshima University)

Session Classification: A05

Contribution ID: 37

Type: **not specified**

Pulsar Timing Array

Monday 18 November 2024 16:45 (10 minutes)

Presenters: TAKAHASHI, Keitaro (Kumamoto University); TAKAHASHI, Keitaro (Kumamoto University)

Session Classification: 公募研究 1

Contribution ID: 38

Type: **not specified**

Extragalactic Transients in Very-High-Energy Gamma Rays and Multimessenger Implications

Tuesday 19 November 2024 15:00 (15 minutes)

Presenters: INOUE, Susumu (Chiba U. / ICRR); INOUE, Susumu (Chiba University / ICRR, University of Tokyo)

Session Classification: A05

Contribution ID: 39

Type: **not specified**

Direct measurement of coating thermal noise toward multi-wavelength gravitational-wave observation

Tuesday 19 November 2024 14:20 (10 minutes)

Presenters: KOMORI, Kentaro (University of Tokyo); KOMORI, Kentaro

Session Classification: 公募研究 2

Contribution ID: 40

Type: **not specified**

Galactic Science results with the LST-1

Tuesday 19 November 2024 15:15 (15 minutes)

Presenters: HADASCH, Daniela (ICRR); HADASCH, Daniela (ICRR, The University of Tokyo)

Session Classification: A05

Contribution ID: 41

Type: **not specified**

Neutrino emission from proto neutron stars with MGFLD and M1 neutrino transfer

Monday 18 November 2024 16:55 (10 minutes)

Presenters: SUZUKI, Hideyuki (Tokyo University of Science); SUZUKI, Hideyuki (Tokyo University of Science)

Session Classification: 公募研究 1

Contribution ID: 42

Type: **not specified**

High-frequency gravitational wave, or MeV gamma-rays to test light primordial black hole to be dark matter

Monday 18 November 2024 17:05 (10 minutes)

Presenters: KOHRI, Kazunori (NAOJ / KEK); KOHRI, Kazunori (NAOJ)

Session Classification: 公募研究 1

Contribution ID: 43

Type: **not specified**

Opening Remark

Monday 18 November 2024 13:30 (5 minutes)

Presenters: YOSHIDA, Shigeru (Chiba University); YOSHIDA, Shigeru (International Center for Hadron Astrophysics, Chiba University)

Contribution ID: 44

Type: **not specified**

B02 Status - HiZ-GUNDAM

Tuesday 19 November 2024 16:00 (5 minutes)

Presenters: YONETOKU, Daisuke (Kanazawa University); YONETOKU, Daisuke (Kanazawa University)

Session Classification: B02

Contribution ID: 45

Type: **not specified**

DESHIMA's quick follow-up system for submillimeter transient events

Tuesday 19 November 2024 13:30 (10 minutes)

Presenters: TAMURA, Yoichi (Nagoya University); TAMURA, Yoichi (Nagoya University)

Session Classification: 公募研究 2

Contribution ID: 46

Type: **not specified**

Development and Current Status of the Wide-Field X-ray Monitor onboard HiZ-GUNDAM

Tuesday 19 November 2024 16:05 (15 minutes)

Presenters: ARIMOTO, Makoto (Kanazawa University); ARIMOTO, Makoto (Kanazawa University)

Session Classification: B02

Contribution ID: 47

Type: **not specified**

Studying Extragalactic Transients in The Local Universe

Tuesday 19 November 2024 13:40 (10 minutes)

Presenters: MAEDA, Keiichi (Kyoto University); MAEDA, Keiichi (Kyoto University)

Session Classification: 公募研究 2

Contribution ID: 48

Type: **not specified**

X-ray performance evaluation of lobster eye optics onboard HiZ-GUNDAM

Tuesday 19 November 2024 16:20 (10 minutes)

Presenters: LI, JUNYI (Aoyama Gakuin University); LI, Junyi (Aoyama Gakuin University)

Session Classification: B02

Contribution ID: 49

Type: **not specified**

New 3-band simultaneous imager for the 61cm telescope in NZ

Tuesday 19 November 2024 13:50 (10 minutes)

Presenters: SUZUKI, Daisuke (Osaka University); SUZUKI, Daisuke (Osaka University)

Session Classification: 公募研究 2

Contribution ID: 50

Type: **not specified**

Progress of development of pnCCD image sensor onboard the next generation GRBs observation satellite mission HiZ-GUNDAM

Tuesday 19 November 2024 16:30 (10 minutes)

Presenters: KONDO, Ryuji (Kanazawa University); KONDO, Ryuji (Kanazawa University)

Session Classification: B02

Contribution ID: 51

Type: **not specified**

A Self-regulated Stochastic Acceleration Model of Pulsar Wind Nebulae

Tuesday 19 November 2024 14:00 (10 minutes)

Presenters: TANAKA, Shuta (Aoyama Gakuin University); TANAKA, Shuta (Aoyama Gakuin University)

Session Classification: 公募研究 2

Contribution ID: 52

Type: **not specified**

Poster

Monday 18 November 2024 17:15 (1h 30m)

Contribution ID: 53

Type: **not specified**

Visible and Near-IR Telescope onboard HiZ-GUNDAM

Tuesday 19 November 2024 16:40 (15 minutes)

Presenters: MATSUHARA, Hideo (ISAS/JAXA); MATSUHARA, Hideo (ISAS, JAXA)

Session Classification: B02

Contribution ID: 54

Type: **not specified**

Multimessenger signals from supernovae interacting with confined dense circumstellar matter

Tuesday 19 November 2024 14:10 (10 minutes)

Presenters: MORIYA, Takashi (NAOJ); MORIYA, Takashi (National Astronomical Observatory of Japan)

Session Classification: 公募研究 2

Contribution ID: 55

Type: **not specified**

Current Status of development of the Kosters prism on HiZ-GUNDAM

Tuesday 19 November 2024 16:55 (10 minutes)

Presenters: TSUMURA, Kohji (Tokyo City University); TSUMURA, Kohji (Tokyo City University)

Session Classification: B02

Contribution ID: 56

Type: **not specified**

Thermal analysis of the near-infrared telescope on board the HiZ-GUNDAM satellite.

Tuesday 19 November 2024 17:05 (10 minutes)

Presenters: KAGEYAMA, Rinon (Tokyo City University); KAGEYAMA, Rinon

Session Classification: B02

Contribution ID: 57

Type: **not specified**

Registration

Monday 18 November 2024 12:00 (1 hour)

Contribution ID: 58

Type: **not specified**

Present Status of On-board Software for HiZ-GUNDAM

Tuesday 19 November 2024 17:15 (10 minutes)

Presenters: TOGASHI, Takumi (Yamagata University); TOGASHI, Takumi (Yamagata University)

Session Classification: B02

Contribution ID: **60**

Type: **not specified**

Evaluating IceCube Upgrade Performance for Astrophysical Transients

Presenters: KOBAYASHI, Yukiho (Chiba University); KOBAYASHI, Yukiho (ICEHAP, Chiba University)

Session Classification: Poster

Track Classification: A01

Contribution ID: 61

Type: **not specified**

Result of Final Acceptance Test of DEgg for Icecube upgrade and trouble shooting of DEgg

Presenters: MORII, YASUTSUGU (Chiba University); MORII, Yasutsugu (Chiba University)

Session Classification: Poster

Track Classification: A01

Contribution ID: 62

Type: **not specified**

Analysis of the Bubble Column properties using simulated D-Egg Flasher pulses in the IceCube experiment

Presenters: HMAID, Ramy (ICEHAP, Chiba University); HMAID, Ramy (ICEHAP, Chiba University)

Session Classification: Poster

Track Classification: A01

Contribution ID: 63

Type: **not specified**

Modern machine learning tools for IceCube high energy neutrino alerts.

Presenter: ROSTED, Aske (Chiba University)

Session Classification: Poster

Track Classification: A01

Contribution ID: 64

Type: **not specified**

Calibration of laser for thermal shock measurement

Presenters: TORIBUCHI, Hiroki (Chiba University); TORIBUCHI, Hiroki (U Chiba)

Session Classification: Poster

Track Classification: A01

Contribution ID: 65

Type: **not specified**

Population Analysis of Binary Black Holes Estimated with Uniform Effective Spin Prior

Presenters: KOBAYASHI, Kazuya (ICRR); KOBAYASHI, Kazuya

Session Classification: Poster

Track Classification: A02

Contribution ID: 66

Type: **not specified**

Development of a wavelength-shifting fiber-based light collector for a new photodetector of IceCube-Gen2

Presenters: KOBAYASHI, Takuro (Osaka Metropolitan University); KOBAYASHI, Takuro (Osaka Metropolitan University)

Session Classification: Poster

Track Classification: B01

Contribution ID: 67

Type: **not specified**

Simulation-based inference for gravitational waves

Presenters: TAKADA, Kazuki (ICRR); TAKADA, Kazuki

Session Classification: Poster

Track Classification: A02

Contribution ID: 68

Type: **not specified**

Statistical properties of parameter estimation in scalar-tensor polarization search

Presenters: IMAFUKU, Hayato (RESCEU, University of Tokyo); IMAFUKU, Hayato (RESCEU, University of Tokyo)

Session Classification: Poster

Track Classification: A02

Contribution ID: 69

Type: **not specified**

Developmet of a SpaceWire-Based Dummy Network for HiZ-GUNDAM

Presenters: WATANABE, Keito (Yamagata Univ.); WATANABE, Keito (Yamagata Univ.)

Session Classification: Poster

Track Classification: B02

Contribution ID: 70

Type: **not specified**

Search for Sub-Solar Mass Binary Black Holes by Gravitational Waves

Presenters: MURAKAMI, Yasuhiro (ICRR); MURAKAMI, Yasuhiro

Session Classification: Poster

Track Classification: A02

Contribution ID: 71

Type: **not specified**

Development of Wide Field UV Space Observatory "PETREL"

Presenters: HAYATSU, Shunsuke (Institute of SCIENCE TOKYO); HAYATSU, Shunsuke

Session Classification: Poster

Track Classification: A02

Contribution ID: 72

Type: **not specified**

Development of analysis program for data sent from the Near Infrared Telescope

Presenters: NIINUMA, Haruaki (Yamagata University); NIINUMA, Haruaki (Yamagata University)

Session Classification: Poster

Track Classification: B02

Contribution ID: 73

Type: **not specified**

Black Hole Ringdown Analysis with LIGO-Virgo-KAGRA

Presenters: SUZUKI, Motoki (ICRR); SUZUKI, Motoki (ICRR, The University of Tokyo)

Session Classification: Poster

Track Classification: A02

Contribution ID: 74

Type: **not specified**

Alignment demonstration of wide-field optics using Lobster Eye Optics.

Presenters: ANDO, Yoshiyuki (Kanazawa University); ANDO, Yoshiyuki (Kanazawa university)

Session Classification: Poster

Track Classification: B02

Contribution ID: 75

Type: **not specified**

Using ISAS X-ray beamline Measurement of Effective area of Lobster Eye Optics

Presenters: NAGATAKA, Isshin (Kanazawa University); NAGATAKA, Isshin

Session Classification: Poster

Track Classification: B02

Contribution ID: 76

Type: **not specified**

Evaluation of the Time Correlation between X-rays and Neutrinos from a Seyfert Galaxy

Presenters: MIYAZATO, Yu (Chiba University); MIYAZATO, Yu (Chiba University)

Session Classification: Poster

Track Classification: A04

Contribution ID: 77

Type: **not specified**

Mass measurement of accreted material using MAXI data

Presenters: NISHIKAWA, HINANO; NISHIKAWA, Hinano (Aoyama gakuin university)

Session Classification: Poster

Track Classification: A04

Contribution ID: 78

Type: **not specified**

Measurement of shock velocities of N132D based on the thermal X-ray emission

Presenters: OKADA, Yoshizumi (Aoyamagakuin University, ISAS/JAXA); OKADA, Yoshizumi

Session Classification: Poster

Track Classification: A04

Contribution ID: 79

Type: **not specified**

A simulation about electron diverter on board HiZ-GUNDAM

Presenters: KUTSUMI, Akito (Kanazawa University); KUTSUMI, Akito (Kanazawa university)

Session Classification: Poster

Track Classification: B02

Contribution ID: **80**

Type: **not specified**

Upper limit estimation of X-ray flux for gravitational wave counterparts with MAXI

Presenters: KONDO, Yuta (Aoyamagakuin University); KONDO, Yuta (Aoyamagakuin University)

Session Classification: Poster

Track Classification: A04

Contribution ID: **81**

Type: **not specified**

Thermal analysis of the near-infrared telescope on board the HiZ-GUNDAM satellite.

Presenters: KAGEYAMA, Rinon (Tokyo City University); KAGEYAMA, Rinon

Session Classification: Poster

Track Classification: B02

Contribution ID: 82

Type: **not specified**

Magnetically Arrested Disks: Studies on High-Energy Neutrino Spectra and Dynamics Based on GRMHD Simulations

Presenters: KAWASHIMA, Tomohisa (ICRR); KAWASHIMA, Tomohisa (ICRR, U of Tokyo)

Session Classification: Poster

Track Classification: C01

Contribution ID: 83

Type: **not specified**

Spectral and polarization analysis of “West Bay” and Jets of the Crab nebula

Presenters: GOYA, Kazuho (Hiroshima University); GOYA, Kazuho (Hiroshima University)

Session Classification: Poster

Track Classification: A04

Contribution ID: **84**

Type: **not specified**

Pair annihilation line emission in relativistic fireballs

Presenters: WADA, Tomoki (Tohoku University); WADA, Tomoki (Tohoku University)

Session Classification: Poster

Track Classification: C01

Contribution ID: 85

Type: **not specified**

Estimation of Luminosity Function of GRB observed by MAXI

Presenters: HIRAMATSU, Hiroki (Aoyama Gakuin University); HIRAMATSU, Hiroki (Aoyama Gakuin University)

Session Classification: Poster

Track Classification: A04

Contribution ID: 86

Type: **not specified**

High-energy gamma rays from late-time emissions of gamma-ray bursts

Presenters: MATSUI, Riki (Tohoku University); MATSUI, Riki

Session Classification: Poster

Track Classification: C01

Contribution ID: 87

Type: **not specified**

On-orbit calibration of the gamma-ray detector KGD on the KOYOH satellite

Presenters: TAKAHASHI, Naoki (Kanazawa University); TAKAHASHI, Naoki (Kanazawa university)

Session Classification: Poster

Track Classification: A04

Contribution ID: 88

Type: **not specified**

Comparative Study of Sampling Methods in Bayesian Inference for Gamma-ray Bursts

Presenters: OBAYASHI, Kaori (Aoyama Gakuin University); OBAYASHI, Kaori (Aoyama Gakuin University)

Session Classification: Poster

Track Classification: C01

Contribution ID: 89

Type: **not specified**

The Disk Wind Contribution to the Gamma-Ray emission from the nearby Seyfert Galaxy GRS 1734-292

Presenters: SAKAI, Nobuyuki (Osaka University); SAKAI, Nobuyuki (Osaka University)

Session Classification: Poster

Track Classification: C01

Contribution ID: 90

Type: **not specified**

New Insights for Gamma-Ray Bursts Early Afterglow – “Magnetic Bullet”

Presenters: KUSAFUKA, Yo (ICRR); KUSAFUKA, Yo (ICRR, The University of Tokyo)

Session Classification: Poster

Track Classification: C01

Contribution ID: 91

Type: **not specified**

Monte Carlo Simulations of Relativistic Shock Breakout

Presenters: ITO, Hirotaka (RIKEN); ITO, Hirotaka (RIKEN)

Session Classification: Poster

Track Classification: C02

Contribution ID: 92

Type: **not specified**

Contribution of supermassive black hole binaries to nHz gravitational wave background

Presenters: KUSAKABE, Katsunori (Osaka University); KUSAKABE, Katsunori (Department of Earth and Space Science, Graduate School of Science, Osaka University)

Session Classification: Poster

Track Classification: C02

Contribution ID: 93

Type: **not specified**

The origin of weak r-process nucleosynthesis

Presenters: OKADA, Hiroko (University of Hyogo); OKADA, Hiroko (University of Hyogo)

Session Classification: Poster

Track Classification: Others

Contribution ID: 94

Type: **not specified**

Comparison of steady-state flow calculations with M1 and FLD

Presenters: SHIMURA, Takaki (Tokyo University of Science); SHIMURA, Takaki

Session Classification: Poster

Track Classification: Others

Contribution ID: 95

Type: **not specified**

Thorium in Kilonova Spectra: Exploring the Heaviest Detectable Element

Presenters: DOMOTO, Nanae (Tohoku University); DOMOTO, Nanae (Tohoku University)

Session Classification: Poster

Track Classification: A03

Contribution ID: 96

Type: **not specified**

On the gamma-ray detectability of Galactic isolated stellar-mass BH magnetosphere

Presenters: KIN, Koki (Tohoku University); KIN, Koki (Tohoku University)

Session Classification: Poster

Track Classification: A05

Contribution ID: 97

Type: **not specified**

Study on Piggyback Balloon Experiment of Star Camera System for SMILE-3 Project

Presenters: MUNAKATA, YUSUKE (KANAZAWA UNIVERSITY); MUNAKATA, Yusuke (Kanazawa University)

Session Classification: Poster

Track Classification: A05

Contribution ID: 98

Type: **not specified**

Study on light collection method of on-board anti-coincidence scintillation counter for SMILE-3

Presenters: OKAMOTO, Kanaho (Kanazawa University); OKAMOTO, Kanaho (金沢大学)

Session Classification: Poster

Track Classification: A05

Contribution ID: 99

Type: **not specified**

Lunar MeV Gamma-Ray Emission: A New Window for Local MeV Cosmic Rays

Presenters: FUJIWARA, Tatsuki (Osaka University Theoretical Astrophysics Group); FUJIWARA, Tatsuki (Osaka University)

Session Classification: Poster

Track Classification: A05

Contribution ID: **100**

Type: **not specified**

Gamma-ray source catalogs for the identification of the IceCube neutrino sources

Presenters: KANETANI, Ryutaro (ICEHAP/Chiba University); KANETANI, Ryutaro (U Chiba/IceHap)

Session Classification: Poster

Track Classification: A05

Contribution ID: **101**

Type: **not specified**

Development of a Multi-band Imager Part for TAO Optical Instrument

Presenters: MATSUBAYASHI, Kazuya (The University of Tokyo); MATSUBAYASHI, Kazuya (University of Tokyo)

Session Classification: Poster

Track Classification: A03

Contribution ID: **102**

Type: **not specified**

GRB 211211A: The Case for an Engine Powered over r-Process Powered Blue Kilonova

Presenters: HAMIDANI, Hamid (Tohoku University); HAMIDANI, Hamid (Tohoku University)

Session Classification: Poster

Track Classification: A03

Contribution ID: **103**

Type: **not specified**

Interpreting inferred parameters from model fitting of kilonova light curves

Presenters: KITAMURA, Ayari (Tohoku University); KITAMURA, Ayari (Tohoku University)

Session Classification: Poster

Track Classification: A03

Contribution ID: **104**

Type: **not specified**

Helium Absorption Lines in Kilonova Spectra

Presenters: CHIBA, Koya (Tohoku University); CHIBA, Koya (Tohoku University)

Session Classification: Poster

Track Classification: A03

Contribution ID: 105

Type: **not specified**

Near-Infrared Features of Kilonovae: The Importance of Gadolinium

Presenters: RAHMOUNI, Salma (Tohoku University); RAHMOUNI, Salma (Tohoku University)

Session Classification: Poster

Track Classification: A03

Contribution ID: **106**

Type: **not specified**

NANOGrav Collaboration & Pulsar Timing Arrays

Presenters: KEUMURIAN, Arnaud (SOKENDAI University); KEUMURIAN, arnaud (National Astronomical Observatory of Japan, NAOJ)

Session Classification: Poster

Track Classification: A03

Contribution ID: **107**

Type: **not specified**

Development of the near-ultraviolet imager SCUID on the 1.5m Kanata Telescope

Presenters: AKITAYA, Hiroshi (Chiba Institute of Technology); Dr AKITAYA, Hiroshi (Astronomy Research Center, Chiba Institute of Technology)

Session Classification: Poster

Track Classification: A03

Contribution ID: **108**

Type: **not specified**

Gravitational-wave Electromagnetic Follow-ups by J-GEM in O4

Presenters: SASADA, Mahito (Science Tokyo); SASADA, Mahito (Institute of Science Tokyo)

Session Classification: Poster

Track Classification: A03

Contribution ID: **109**

Type: **not specified**

MWL observation of BL Lacertae in the current flaring period

Presenters: IMAZAWA, Ryo (Hiroshima University); IMAZAWA, Ryo

Session Classification: Poster

Track Classification: A03

Contribution ID: 110

Type: **not specified**

Kanata 1.5m optical/NIR telescope polarization calibration and observation of ambient starless core

Presenters: HORI, Tomoya (Hiroshima University); HORI, Tomoya (Hiroshima Univ)

Session Classification: Poster

Track Classification: A03

Contribution ID: 111

Type: **not specified**

KaGErOFU: Kanazawa University Gamma-ray Burst Explorer for Optical Flash Understanding

Presenters: SAKATA, Misaki (Kanazawa University); SAKATA, misaki (Kanazawa university)

Session Classification: Poster

Track Classification: A03

Contribution ID: 112

Type: **not specified**

Modeling the early peak of Type Ibc supernovae

Presenters: CHIBA, Ryotaro (NAOJ, SOKENDAI); CHIBA, Ryotaro (National Astronomical Observatory of Japan / Graduate University for Advanced Studies)

Session Classification: Poster

Track Classification: A03

Contribution ID: 113

Type: **not specified**

Polarimetry and Photometric observation of the gamma-ray brightening Blazar OP 313 with KANATA telescope

Presenters: HASHIZUME, Masaki (Hiroshima University); HASHIZUME, Masaki (Hiroshima University)

Session Classification: Poster

Track Classification: A03

Contribution ID: 114

Type: **not specified**

Possible anti-correlations between pulsation and the circumstellar disk growth in Be X-ray binaries

Presenter: NIWANO, Masafumi (Tokyo Tech)

Session Classification: Poster

Track Classification: A03

Contribution ID: 115

Type: **not specified**

Subaru/MOIRCS Near-Infrared follow-up observation of the gravitational wave event S240422ed

Presenters: TAKAHASHI, Ichiro (Institute of Science Tokyo); TAKAHASHI, Ichiro (Institute of Science Tokyo)

Session Classification: Poster

Track Classification: A03