

XRISM Core-to-Core Science Workshop

Program

Demonstrations of observational simulations will be given later in this workshop. Please install HEAsoft XRISM Build5 beforehand.

19th Oct. (Wed)

12:30–13:00 Registration

13:00–13:20 XRISM & goal of this workshop, [Makoto S. Tashiro](#)

13:20–14:05 Nucleosynthesis in stars and SNe from high-res. X-ray spectroscopy, [Toshiki Sato](#)

14:05–14:50 The recipe for enriching intergalactic space with heavier atoms, from C to Ni, [Aurora Simionescu](#)

14:50–15:10 Coffee break

15:10–15:55 Understanding AGN feeding and feedback with XRISM, [Matteo Guainazzi](#)

15:55–16:40 X-ray binaries with high-res. X-ray spectroscopy, [Megumi Shidatsu](#)

16:40–17:30 Short Talk 1

18:00–20:00 Banquet

20th Oct. (Thu)

09:00–09:45 Probing the physics of the largest structures in the Universe with XRISM, [Irina Zhuravleva](#)

09:45–11:15 A secret recipe of Resolve: From instruments to sciences, [Misaki Mizumoto](#)

11:15–11:30 Coffee break

11:30–12:20 Short Talk 2

12:20–13:30 Lunch

13:30–14:00 Getting the most out of Xtend: Extended sources, [Hiromasa Suzuki](#)

14:00–14:30 Getting the most out of Xtend: Bright point-like sources, [Tsubasa Tamba](#)

14:30–15:20 Short Talk 3

15:20–15:30 Group Photo

15:40–17:40 Poster Session

21th Oct. (Fri)

09:00–10:00 Introduction to XSLIDE: Exploration of Hitomi Perseus Data, [Efrem Braun](#)

10:00–10:20 Coffee break

10:20–11:20 Plasma spectral diagnostics & physics of multi-charged ions without math, [Hiroya Yamaguchi](#)

11:20–12:20 Utilizing PyAtomDB, [Masamune Matsuda](#) & [Yuken Oshiro](#)

12:20–13:30 Lunch

13:30–14:30 X-ray emission processes in photo-ionized plasmas & MONACO, [Atsushi Tanimoto](#)

14:30–14:50 Coffee break

14:50–16:20 Introduction to statistical study for X-ray astrophysics, [Takaaki Tanaka](#)

16:30–17:00 Awards & Closing Remarks, [Yukikatsu Terada](#)

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Short Talk 1

赤字はポスター番号です

19th Oct. (Wed) 16:40–17:30

16:40–16:45

EC1: Ionized wind in radio-loud AGN

榎木大修 (広島大学)

16:45–16:50

EC2: Probing Sub-pc Scale Outflows in Heavily Obscured Low Eddington-Ratio AGNs

植松亮祐 (京都大学)

16:50–16:55

ED1: Chemical enrichment in the central region of galaxy clusters and groups

近藤麻里恵 (埼玉大学)

16:55–17:00

ED2: Measuring the gas motions in the most luminous galaxy cluster RX J1347.5-1145

柴田実桜 (奈良女子大学)

17:00–17:05

GC1: Unraveling stellar wind and mass accretion environment of X-ray binaries via iron line diagnostics

永井悠太郎 (京都大学)

17:05–17:10

GC2: Wind mass loss of a neutron star hosting binary with X-ray doppler tomography

富永愛侑 (東京大学)

17:10–17:15

GD1: Brightness Variations of Nonthermal X-ray Filaments in the Cassiopeia A Supernova Remnant

小湊菜央 (立教大学)

17:15–17:20

GD2: A mysterious X-ray structure, G0.61+0.01: possible interaction between Fe-rich hot plasma and a high-velocity compact cloud

松永海 (京都大学)

17:20–17:25

GD3: Low-energy cosmic rays in supernova remnants probed by neutral iron emission lines

森川朋美 (近畿大学)

17:25–17:30

GD4: Multiwavelength studies of G298.6-0.0: Possibly one of the oldest GeV supernova remnants

Kin Hang (Paul) YEUNG (東京大学)

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Short Talk 2

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20th Oct. (Thu) 11:30–12:20

11:30–11:35

EC3: XRISM Investigation of Nuclear Structure in Radio Galaxies

中谷友哉 (京都大学)

11:35–11:40

EC4: XRISM Study on Ionized Outflows from Seyfert Galaxies

小川翔司 (京都大学)

11:40–11:45

ED3: Probing the origin of X-ray cavities in the galaxy group HCG62

柳川晏里 (奈良女子大学)

11:45–11:50

ED4: Studying the supernova nucleosynthesis based on high-resolution X-ray spectroscopy of elliptical galaxies

福島光太郎 (東京理科大学)

11:50–11:55

GC3: Hunting for jet/wind interaction in Cygnus X-3 with XRISM

新井翔大 (東京大学)

11:55–12:00

GC4: Coronal line diagnostics of quiescent phase, flares, and CMEs of active stars: Toward understanding the stellar activity effects on exoplanets

井上峻 (京都大学)

12:00–12:05

GD5: Constraint on 3D Structure of Supernova Remnants from X-ray Resonance Scattering

天野雄輝 (京都大学)

12:05–12:10

GD6: Revealing evolution scenarios for mixed-morphology supernova remnants

小沼将天 (近畿大学)

12:10–12:15

GD7: Revealing Shock Heating and Acceleration in Supernova Remnant from X-ray Spectroscopy

松田真宗 (京都大学)

12:15–12:20

GD8: Revealing the origin of Type Ia supernova remnants thorough high resolution X-ray spectroscopy

大城勇憲 (東京大学)

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Short Talk 3

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20th Oct. (Thu) 14:30–15:15

14:30–14:35

EC5: Unveiling the origin of the iron emission line of Centaurus A with high-resolution X-ray spectroscopy
岩田季也 (東京大学)

14:35–14:40

ED5: Transportation of Heavy Elements in the Hot Plasma Ejected from the Starburst Galaxy M82 to the Intergalactic Space
八木雄大 (東京大学)

14:40–14:45

ED6: Dynamics of intracluster medium in the near-by merging clusters
大宮悠希 (名古屋大学)

14:45–14:50

GC5: XRISMとNuSTARの同時観測による強磁場白色矮星の非熱的放射の探査
南喬博 (東京大学)

14:50–14:55

GD9: Universality of Non-thermal Dominated Supernova Remnants using High-resolution X-ray Spectroscopy
立石大 (埼玉大学)

14:55–15:00

GD10: XRISM Resolve で目指す彗星X線の観測
関口るな (東京都立大学)

15:00–15:05

GD11: Understanding the heating mechanism of the collisionless shock with the XRISM observation of SNR shock waves
市橋正裕 (東京大学)

15:05–15:10

GD12: High-resolution X-ray spectroscopy of supernova remnants in the Magellanic Clouds
大場滉介 (東京大学)

15:10–15:15

GD13: Revealing the diversity of compact objects with high resolution spectroscopy of circumstellar material in supernova remnants
成田拓仁 (京都大学)