

XRISM Science Meeting#5

XRISM core-to-core Multiwavelength Workshop 2022

[Program]

12th Dec. (Mon)

10:00-11:00 Orientation for XGSs
13:00-15:00 Science Meeting #5
15:00-15:15 Break
15:15-17:00 Science Meeting #5

13th Dec. (Tue)

09:30-12:00 Science Meeting #5
13:50-15:30 TKSC tour
15:30- SM5 Splinter Meeting
©15:30-16:30 IFCP(Room201B)
©16:30-17:10 PV target - PDS456(Room 202B)
©16:30-17:00 SOT + Xtend joint(Room201B)
©17:00-18:00 ESAP (Room202A)
©17:00-18:00 SOT(Room201B)
©18:00-18:30 SOT: MOPT/SOC + SDC + ESAC(Room201B)
©18:30-20:00 SOT + Resolve(Room201B)

14th Dec. (Wed)

09:30-11:30 Science Meeting #5 -
11:30-12:00 Group Photo
14:00-15:00 C2C Multiwavelength Workshop: Talk 12 min + Discussion 3 min
15:00-16:00 Coffee/Tea Break
16:00-17:15 C2C Multiwavelength Workshop: Talk 12 min + Discussion 3 min

15th Dec. (Thu)

09:30-11:45 C2C Multiwavelength Workshop: Talk 12 min + Discussion 3 min
11:45-13:15 Lunch
13:15-15:00 C2C Multiwavelength Workshop: Talk 12 min + Discussion 3 min
15:00-15:30 Coffee/Tea Break
15:30-18:30 C2C Multiwavelength Workshop: Talk 12 min + Discussion 3 min

12th Dec. (Mon)

10:00-11:00 Orientation for XGS

Conveners: Yamaguchi, Hiroya (ISAS/JAXA)

10:00 Welcome

(Presenters)

Tashiro, Makoto (Saitama University, JAXA)

10:05 XRISM team structure and the observation phases

(Presenters)

Williams, Brian (NASA)

10:30 PV observations and the publication policy

(Presenters)

Matsushita, Kyoko (Tokyo University of Science)

13:00-15:00 Science Meeting #5

Conveners: Tashiro, Makoto (Saitama University, JAXA)

13:00 Opening

(Presenters)

Tashiro, Makoto (Saitama University, JAXA)

13:05 XRISM project status

(Presenters)

Maejima, Hironori (JAXA)

13:30 XRISM Spacecraft status

(Presenters)

Toda, Kenichi (JAXA)

14:00 XRISM Ground System status

(Presenters)

Natsukari, Chikara (JAXA)

Watanabe, Shin (JAXA)

14:30 XRISM Mission Operations status

(Presenters)

Watanabe, Shin (JAXA)

15:00-15:15 Break

15:15-17:00 Science Meeting #5

Conveners: Guainazzi, Matteo (European Space Agency)

15:15 Resolve Status

(Presenters)

Kelly, Richard (NASA)

Ishisaki, Yoshitaka (Tokyo Metropolitan University)

Constantini, Elisa (SRON)

Okajima, Takashi (NASA)

16:15 Xtend status

(Presenters)

Mori, Koji (University of Miyazaki)

13th Dec. (Tue)

9:30-12:00 Science Meeting #5

Conveners: Kelley, Richard (NASA)

09:30 Science Operations status

(Presenters)

Terada, Yukikatsu (Saitama University, JAXA)
Takahashi, Hiromitsu (Hiroshima University),
Nobukawa, Masayoshi (Nara University of Education),
Hayashi, Katsuhiko (JAXA),
Nakazawa, Kazuhiro (Nagoya University),
Mizuno, Tsunefumi (Hiroshima University),
Tsuboi, Yohko (Chuo University),
Holland, Matthew (NASA)
Loewenstein, Michael (University of Maryland, NASA)
Guainazzi, Matteo (ESA)

10:50 In-flight Calibration Plan

(Presenters)

Miller, Eric (Massachusetts Institute of Technology),
Sawada, Makoto (RIKEN)

11:30 MXS operation: feedback from science team

(Presenters)

Bamba, Aya (The university of Tokyo),
Zhuravleva, Irina (University of Chicago),
Kaastra, Jelle (SRON & Leiden University),
Sawada, Makoto (RIKEN),
Shidatsu, Megumi (Ehime University)

13:50-15:30 TKSC tour

(Conveners)

Tashiro, Makoto (Saitama University, JAXA)
Takafumi Horiuchi (JAXA)
Sato, Kosuke (Saitama University)
Mori, Koji (University of Miyazaki)
Terada, Yukikatsu (Saitama University, JAXA)

14:00-15:30 Break (Room 201B, 202A)

15:30-16:30 SM5 Splinter Meeting:: IFCP

(Conveners)
Miller, Eric (Massachusetts Institute of Technology)
Sawada, Makoto (RIKEN)

16:30-17:10 SM5 Splinter Meeting::

PV target - PDS456

(Conveners)
Kouichi Hagino (Kanto Gakuin Univ.)

16:30-17:00 SM5 Splinter Meeting::

SOT + Xtend joint

(Conveners)
Terada, Yukikatsu (Saitama University, JAXA)
Matthew Holland (NASA)
Loewenstein, Michael (University of Maryland, NASA)
Mori, Koji (University of Miyazaki)

17:00-18:00 SM5 Splinter Meeting:: ESAP

(Conveners)

Kriss, Gerard (STScI)

Brickhouse, Nancy (Smithsonian Astrophysical Observatory)

Takahashi, Tadayuki (IPMU, Univ. of Tokyo)

Den Herder, Jan-Willem (SRON)

Fabian, Andrew (University of Cambridge)

17:00-18:00 SM5 Splinter Meeting:: SOT

(Conveners)

Terada, Yukikatsu (Saitama University, JAXA)

Matthew Holland (NASA)

Loewenstein, Michael (University of Maryland, NASA)

18:00-18:30 SM5 Splinter Meeting::

SOT: MOPT/SOC + SDC + ESAC

(Conveners)

Nakazawa, Kazuhiro (Nagoya University, KMI)

Terada, Yukikatsu (Saitama University, JAXA)

Matthew Holland (NASA)

Loewenstein, Michael (University of Maryland, NASA)

Guainazzi, Matteo (ESA)

18:30-20:00 SM5 Splinter Meeting::

SOT + Resolve

(Conveners)

Uchida, Yuusuke (Tokyo University of Science)

Terada, Yukikatsu (Saitama University, JAXA)

Ishisaki, Yoshitaka (Tokyo Metropolitan University)

Fujimoto, Ryuichi (Kanazawa University)

Matthew Holland (NASA)

Loewenstein, Michael (University of Maryland, NASA)

14th Dec. (Wed)

9:30-11:30 Science Meeting #5

Conveners: Costantini, Elisa (SRON)

09:30

[43] Joint observation strategy: NuSTAR, Swift and others

(Presenters)

Williams, Brian (NASA)

Guainazzi, Matteo (ESA)

10:00

[51] Joint observation strategy: XMM-Newton and others

(Presenters)

Guainazzi, Matteo (ESA)

10:30

[44] ESAP feedback

(Presenters)

Den Herder, Jan-Willem (SRON)

10:50

[45] Open discussion

(Presenters)

Tashiro, Makoto (Saitama University, JAXA)

Kelly, Richard (NASA)

11:20 Closing

(Presenters)

Tashiro, Makoto (Saitama University, JAXA)

11:30-12:00 Group Photo

14:00-15:30 C2C Multiwavelength Workshop: Talk 12

min + Discussion 3 min

Conveners: Done, Chris (University of durham)

14:00

[24] Synergy with MAXI and HXMT observations in XRISM Vela X-1 observation

(Presenter)

Sugiaki, Mutsumi (NAOC)

14:15

[07] Optical & X-ray simultaneous observations and numerical simulations of SS Cyg

(Presenter)

Kimura, Mariko (RIKEN)

14:30

[22] Disentangling the cause of aperiodic dips and flares in Cen X-3 with XRISM

(Presenter)

Pradhan, Pragati (Embry Riddle Aeronautical University)

14:45

[28] Unlocking the Secrets of Eta Carinae with XRISM

(Presenter)

Corcoran, Michael

(The Catholic University of America & NASA/GSFC)

15:00

[02] Prospective contribution to the scientific exploitation of XRISM PV observations of Tycho's SNR

(Presenter)

Decourchelle, Anne

(Department of Astrophysics/AIM, CEA Paris Saclay)

15:15

[09] UNDERSTANDING THE ACCRETION FLOW IN GX 340+0 WITH XRISM

(Presenter)

Ludlam, Renee (Wayne State University)

15:30-16:00 Coffee/Tea Break

16:00-17:15 C2C Multiwavelength Workshop: Talk 12

min + Discussion 3 min

Conveners: Terada, Yukikatsu (Saitama University, JAXA)

16:00

[10] Interstellar dust mineralogy with XRISM

(Presenter)

Psaradaki, Ioanna (University of Michigan)

16:15

[15] ORI GIN OF BROAD Fe K α LINES in GX 340+0

(Presenter)

Chakraborty, Priyanka

(Center for Astrophysics Harvard & Smithsonian)

16:30

[19] Ion Heating Mechanism & Cosmic Ray Production in Collisionless Shocks

(Presenter)

Shimoda, Jiro (Nagoya University)

16:45

[14] Hidden Cooling Flows in Clusters of Galaxies

(Presenter)

Fabian, Andrew (University of Cambridge)

17:00

[16] Disentangling the Hot and Cold Phases of the M82 Outflow with Nonequilibrium Simulations

(Presenter)

Scannapieco, Evan (Arizona State University)

15th Dec. (Wed)

9:30-11:45 C2C Multiwavelength Workshop: Talk 12

min + Discussion 3 min

Conveners: Kaastra, Jelle (SRON, Leiden University)

09:30

[25] Resolving the Physics of Accretion Disk Winds with XRISM and GX 13+1

(Presenter)

Neilsen, Joey (Villanova University, USA)

09:45

[01] Decomposing the X-ray emission from the Galactic center

(Presenter)

Wang, Daniel (University of Massachusetts)

10:00

[13] Transforming our knowledge of AGN winds with XRISM: the case of NGC 3783

(Presenter)

Mehdipour, Missagh

(Space Telescope Science Institute (STScI))

10:15

[31] Towards a High Resolution XRISM View of the Ultra Fast Outflow in PDS 456

(Presenter)

Reeves, James (University of Maryland)

10:30

[20] Unraveling the Contribution of Charge Exchange to XRISM Spectra

(Presenter)

Stancil, Phillip

(University of Georgia, Department of Physics and Astronomy, USA)

10:45

[26] Suzaku observations of Jovian diffuse hard X-ray emission

(Presenter)

Numazawa, Masaki (Tokyo Metropolitan University)

11:00

[29] Shock-cloud interaction in supernova remnants: the case of W49B

(Presenter)

Sano, Hidetoshi (Gifu University)

11:15

[05] Tell-Tale Spectral Signatures from Black Hole Accretion-Disk Winds with XRISM/Resolve

(Presenter)

Fukumura, Keigo (James Madison University)

11:30

[04] Multiwavelength observations of the Perseus Cluster of Galaxies

(Presenter)

Hlavacek-Larrondo, Julie (Université de Montréal)

11:45-13:15 Lunch

13:15-15:00 C2C Multiwavelength Workshop: Talk 12

min + Discussion 3 min

Conveners: Guainazzi, Matteo (ESA)

13:15

[23] Electron-impact excitation data for astrophysical plasma models

(Presenter)

Mao, Junjie (Hiroshima University)

13:30

[08] The Likely (?) He-like Fe Emission Line Spectrum of the Circinus Galaxy

(Presenter)

Paerels, Frits (Columbia University)

13:45

[11] Tracing AGN feedback, from the event horizon up to galaxy scales

(Presenter)

Tombesi, Francesco (Tor Vergata University of Rome)

14:00

[18] Study of Geometrical and Multi-phase-gas Properties of the AGN Torus with XRISM and Other Observatories

(Presenter)

Kawamuro, Taiki (RIKEN)

14:15

[27] **Multiwavelength time-domain study of NGC 4151 with XRISM**

(Presenter)

Minezaki, Takeo (University of Tokyo)

14:30

[30] **Unveiling the role of ionised outflows in AGN feedback**

(Presenter)

Rogantini, Daniele (MIT Kavli Institute)

14:45

[6] **Kinematic studies of AGN feedback in galaxy groups and clusters**

(Presenter)

Sun, Ming (University of Alabama in Huntsville)

15:00-15:30 Coffee/Tea Break

15:30-18:30 C2C Multiwavelength Workshop: Talk 12

min + Discussion 3 min

Conveners: Fujita, Yutaka (Tokyo Metropolitan University)

15:30

[46] **Probing the Processes Driving Turbulence in the Perseus Cluster with XRISM and MHD simulations**

(Presenter)

Zuhone, John (Center for Astrophysics Harvard & Smithsonian)

15:45

[17] **Beyond the results of Hitomi observations: my contribution to XRISM**

(Presenter)

Ueda, Shutaro

(Academia Sinica Institute of Astronomy and Astrophysics)

16:00

[21] **Cooling and multi-phase gas in giant elliptical galaxies**

(Presenter)

Wener, Norbert (Masaryk University)

16:15

[32] Hard Bandpass Extension and Cross-Calibration with PV XRISM Observations of the Coma Cluster

(Presenter)

Wik, Daniel (University of Utah)

16:30

[03] Non-thermal pressure support in A2029

(Presenter)

Ettori, Stefano (INAF OAS Bologna)

16:45

[12] Disentangling jet-driven gas flows at the centre of M87

(Presenter)

Russel, Helen (University of Nottingham)

17:00 Closing remarks

(Presenters)

Fujita, Yutaka (Tokyo Metropolitan University)

Terada, Yukikatsu (Saitama University, JAXA)