PROGRAM

Ver. 250819

Oct 20 (Mon)

9:00 Registration

10:00 Hiroya Yamaguchi (ISAS/JAXA)
Opening Remarks

10:10 Makoto Tashiro (Saitama University)
XRISM Mission Status

10:30 Jon Miller (University of Michigan)
A Review of XRISM PV Observations of Galactic Compact Objects

11:00 Teruaki Enoto (Kyoto University)
Origins of Iron Ka Fluorescence Lines in X-ray Binaries and Usage as a Probe for the Binary Evolution

11:15 Roi Rahin (NASA Goddard Space Flight Center)
First direct spectroscopic observation of matter falling onto a compact object

11:30 Daiki Miura (The University of Tokyo)
Probing stellar wind structure of Cygnus X-3 through Fe Kβ absorption lines

11:45 Maria Diaz Trigo (ESO)
Using XRISM observations of high inclination neutron star X-ray binaries to test launching mechanisms of accretion disc winds

12:00 Ryota Tomaru (The University of Osaka)
Accretion disc wind from the supercritical state in GX 13+1

12:15 David Moutard (University of Michigan)
Using Fe XXIII Metastable Transitions as a Density Diagnostic for LMXB Disk Winds

12:30 Lunch

14:15 Megumi Shidatsu (Ehime University)
Outflows from Stellar Mass Black Holes

14:45 Maxime Parra (Ehime University)
The first 2 XRISM DDTs and their impact on Black Hole X-ray Binary science

15:00 Shogo Kobayashi (Tokyo University of Science)
The first insight into the accretion geometry of ultra-luminous X-ray pulsar M82 X-2 using the XRISM Resolve

15:15 Alessandro Papitto (INAF Osservatorio Astronomico di Roma)
Resolving disk reflection features of accreting millisecond pulsars as a pathway to the equation of state of neutron stars

15:30 Peter Kosec (Center for Astrophysics | Harvard Smithsonian)
Accretion and outflows from neutron stars

16:00 Coffee

16:30 Gabriel Grell (NASA Goddard Space Flight Center)
Improved He-like Kα Line Diagnostics for Photoionized Plasmas

16:45 Miki Kurihara (The University of Tokyo)
Investigating Stellar Coronae with XRISM/Resolve

17:00 Asca Miyamoto (Tokyo Metropolitan University)
Identifying emission regions of wind collision shocks in WR 140 with XRISM Resolve

17:15 Yukikatsu Terada (Saitama University)
Detail Line Diagnostics of Cooling Structure of Collisional Ionization Equilibrium Plasma in Magnetic Cataclysmic Variable System AM Her with XRISM

17:30 Koji Mukai (University of Maryland Baltimore County & NASA/GSFC)
XRISM Observations of accreting white dwarf binaries

18:00 End

Oct 21 (Tue)

9:00 Priyanka Chakraborty (Center for Astrophysics | Harvard Smithsonian)
TBA

9:30 Chris Nagele (Johns Hopkins University)
Predicting X-ray Spectra of Accreting Black Holes from Simulation

9:45 Makoto Sawada (Rikkyo University)
XRISM observations of W49B: yet another surprise from a Galactic “oddball”

10:00 Jacco Vink (University of Amsterdam)
XRISM Observations of Cas A: revealing its velocity structure and providing a glimpse at rare element production in a core collapse supernova remnant

10:15 Anne Decourchelle (CEA Paris-Saclay)
XRISM observations of Tycho’s SNR: probing type Ia models through the plasma properties of individual elements in the shocked ejecta

10:30 Coffee

11:00 Aya Bamba (The University of Tokyo)
Review of XRISM PV observations of SNRs and ISM

11:30 Daniel Patnaude (Smithsonian Astrophysical Observatory)
The 3D structure of SNR G292.0+1.8

11:45 Tsukasa Matsushima (University of Miyazaki)
Measurement of the thermal properties and expansion structure of ejecta in SN1987A with XRISM

12:00 Hiroyuki Sekiya (ICRR, The University of Tokyo)
Multi-Messenger Astronomy Enabled by Early Neutrino Alerts from Core-Collapse Supernovae

12:30 Lunch

14:15 Hiromasa Suzuki (University of Miyazaki)
A New Era in Plasma Diagnostics of Supernova Remnants with XRISM

14:45 Satoru Katsuda (Saitama University)
Mesosphere and Lower-Thermosphere Response to the 10 October 2024 Geomagnetic Storm observed with XRISM/Xtend

15:00 Daiki Ishi (ISAS/JAXA)
A systematic search for geocoronal solar wind charge exchange events with XRISM/Xtend

15:15 Poster flash talk
Short talks by new PhDs

15:45 Poster session

17:00 Masayoshi Nobukawa (Nara University of Education)
Discovery of the complex velocity structure of the Galactic Center X-ray Emission plasma

17:15 Kumiko Nobukawa (Kindai University)
New spectral features associated with the neutral Fe line in the Galactic center

17:30 Shigeru Yoshida (International Center for Hadron Astrophysics, Chiba University)
Synergy between high-energy neutrino astronomy and XRISM

18:00 End

Oct 22 (Wed)

9:00 Shing-Chi Leung (SUNY Polytechnic Institute)
Supernova Nucleosynthesis: How Precise Chemical Abundance Measurements Shape Future Stellar and Supernova Modeling

9:30 Kai Matsunaga (Kyoto University)
Phosphorus, Chlorine, and Potassium in Cassiopeia A

9:45 Yoshiaki Kanemaru (ISAS/JAXA)
Investigating the Progenitor of Kepler's Supernova Remnant with Resolve aboard XRISM

10:00 Francois Mernier (IRAP)
Chemical evolution from galaxies to clusters

10:30 Coffee

11:00 Jessica Martin (Leiden University)
Temperature Structure and Abundances in the Virgo Cluster with XRISM data

11:15 Shoji Ogawa (ISAS/JAXA)
Accurate Determination of Chemical Abundances near a Supermassive Black Hole with XRISM

11:30 Lia Corrales (University of Michigan)
XRISM insights for interstellar sulfur

11:45 Antonio Tutone (INAF/IASF Palermo)
X-ray Spectral Fitting with Monte Carlo Dropout Neural Networks: Applications to XRISM

12:00 Liyi Gu (SRON)
X-ray spectroscopy with XRISM: advances in modeling

12:30 End

Free time!

Oct 23 (Thu)

9:00 Irina Zhuravleva (University of Chicago)
Review of XRISM PV observations of galaxies and clusters

9:30 Congyao Zhang (Masaryk University)
Unveiling Gas Kinematics in the Perseus Cluster: AGN Feedback, Sloshing, and More

9:45 Itsuki Aihara (Tokyo University of Science)
Sloshing Motions in Abell 3571 Revealed by XRISM Resolve Velocity Mapping

10:00 Eric Miller (MIT)
Resolving the Velocity Structure of Abell 1795 with XRISM

10:15 Yutaka Fujita (Tokyo Metropolitan University)
XRISM Observation of the Ophiuchus Galaxy Cluster: Quiescent Velocity Structure in the Dynamically Disturbed Core

10:30 Coffee

11:00 Annalisa Pillepich (Max Planck Institute for Astronomy)
TBA

11:30 Yuki Omiya (Nagoya University)
Probing the Intracluster Medium Dynamical States in merging clusters of Abell 3667 and Abell 754

11:45 Kosuke Nishiwaki (INAF IRA)
Turbulence and particle acceleration in simulated galaxy clusters

12:00 Kotaro Fukushima (ISAS/JAXA)
Iron line diagnostics of the intracluster medium using the XRISM data

12:15 Erin Boettcher (University of Maryland College Park & NASA/GSFC)
XRISM Resolves a Fast, Hot Wind from the Prototypical Starburst Galaxy

12:30 Lunch

14:15 Timothy Heckman (Johns Hopkins University)
The Role of Feedback from Supermassive Black Holes: Current Understanding and Future Prospects

14:45 Hannah McCall (University of Chicago)
AGN Feedback in High Resolution: Hot Gas Kinematics in M87 with XRISM/Resolve

15:00 Brian McNamara (University of Waterloo)
Resolve Observations of the Powerful Radio Source Hydra A: Constraints on Atmospheric Heating

15:15 Anwesh Majumder (University of Waterloo)
Spectrally-Resolved Gas Kinematics in Cygnus A: XRISM Detects AGN Jet Feedback

15:30 Satoshi Yamada (Tohoku University)
Direct measurement of quasar feedback beyond galactic scales

15:45 Nhut Truong (NASA Goddard Space Flight Center & UMBC)
Constraining ICM Physics: XRISM observations of PV-phase Clusters vs Cosmological Simulations

16:00 Claudio Ricci (University of Geneva)
TBA

16:30 Poster Session

18:00 Walk to Banquet site

18:30 Banquet @ Hotel Granvia Kyoto

20:30 End

Oct 24 (Fri)

9:00 Hirofumi Noda (Tohoku University)
Probing Active Galactic Nuclei with XRISM: Results from the Performance Verification Phase

9:30 Yuya Sakamoto (Tohoku University)
Constraining the structure of dusty tori in AGNs via X-ray and infrared dust reverberation mapping: Toward future synergy with XRISM

9:45 Stefano Bianchi (Università degli Studi Roma Tre)
NGC 1068: A XRISM BENCHMARK FOR COMPTON-THICK SEYFERT 2S

10:00 Andrea Marinucci (Italian Space Agency)
From IXPE to XRISM: an X-ray view of Compton-thick AGN

10:15 Bert Vander Meulen (European Space Agency)
SKIRT modelling of XRISM PV data

10:30 Coffee

11:00 Francesco Tombesi (Tor Vergata University of Rome)
Resolving AGN Outflows and Their Feedback with XRISM

11:30 Kouichi Hagino (The University of Tokyo)
XRISM discovery of an energetic, clumpy wind in the luminous quasar PDS 456

11:45 Ehud Behar (Technion)
A Deep XRISM Look Into the Spectral Variability of Absorption and Emission Lines in NGC 3516

12:00 Keqin Zhao (Leiden University & SRON)
NGC 3783: A Flagship Case Study of AGN Outflows

12:15 Haojie Hu (University of Tsukuba)
Clumpy outflows from super-Eddington accreting black holes: Formation mechanisms and observational implications

12:30 Lunch

14:15 Daniele Rogantini (University of Chicago)
The power of ionised outflows in the narrow-line Seyfert I galaxy Mrk 766

14:30 Taishu Kayanoki (Hiroshima University)
Detection of broad ionized redshifted lines and blueshifted absorption lines by XRISM observation of Centaurus A

14:45 Keigo Fukumura (James Madison University)
Probing Black Hole Accretion Disk Wind Property by Modeling Fe XXVI Doublet Structure with XRISM/Resolve

15:00 Dan Wilkins (Stanford University)
'Resolve'-ing the innermost regions around supermassive black holes with XRISM

15:30 Laura Brenneman (Smithsonian Astrophysical Observatory)
A Sharper View of the X-ray Spectrum of MCG–6-30-15 with XRISM, XMM-Newton and NuSTAR

15:45 Valentina Missaglia (INAF-OAS)
Unveiling the accretion geometry of Mrk 509 through broadband X-ray spectroscopy

16:00 Anna Ogorzalek (UMD & NASA/GSFC)
Probing the accretion disk in the radio-loud NGC1275 with time-resolved spectroscopy with XRISM

16:15 Closing Remarks

16:30 End