

SUNDAY, SEPTEMBER 8TH

18.00-20.00 Welcome cocktail

MONDAY, SEPTEMBER 9TH

08.30-10.30 Registration and welcome coffee

10.30-11.00 Welcome

11.00-11.20 Opening - **G. Hasinger**

MULTI-MESSENGER AND TRANSIENT ASTRONOMY

11.20-11.50 **A. Sesana (R)** - GW

11.50-12.15 **E. Troja (I)** - GRB

12.15-12.30 **C. Ferrigno (C)** - *INTEGRAL follow-up of the gravitational wave events*

12.30-12.45 **R. Serafinelli (C)** - *Searching for sub-pc supermassive black hole binary candidates in the hard X-rays*

12.45-13.00 **A. Rao (C)** - *Astrometry of Black Hole X-ray Binaries with Gaia DR2: Implications for their formation and evolution*

LUNCH (13.00-14.30)

MULTI-MESSENGER AND TRANSIENT ASTRONOMY

14.30-14.55 **S. Van Velzen (I)** - TDE

14.55-15.10 **R. Saxton (C)** - *Fast spectral evolution in a new tidal disruption event*

15.10-15.25 **N. Webb (C)** - *Transient sources in the XMM-Newton catalogue*

15.25-15.40 **F.M. Vincentelli (C)** - *Fast IR/X-ray observations from the MAXI new black-transients*

COMPACT AND DIFFUSE SOURCES IN GALAXIES & IN THE GALACTIC CENTER

15.40-16.10 **G. Ponti (R)** - *Galactic Center*

16.10-16.25 **A. Goldwurm (C)** - *Sgr A* recent past activity from the X-ray echoes propagating in the Central Molecular Zone*

COFFEE BREAK (16.25-16.55)

16.55-17.25 **J. Malzac (R)** - *X-ray binaries*

17.25-17.40 **T. Muñoz-Darias (C)** - *The connection between optical and X-ray accretion disc winds in black-hole transients*

17.40-17.55 **L. Sidoli (C)** - *Investigating Supergiant Fast X-ray Transients within the XMM-Newton EXTraS project*

17.55-18.10 **T. Roberts (C)** - *A new detection of pulsations from an old ULX*

18.10-18.25 **A. Belfiore (C)** - *Diffuse X-ray emission around an ultraluminous X-ray pulsar*

TUESDAY, SEPTEMBER 10TH

**COMPACT AND DIFFUSE SOURCES IN GALAXIES &
IN THE GALACTIC CENTER**

- 09.00-09.15 **D. Walton (C)** - *The unusual broadband X-ray continuum variability seen from Ultraluminous X-ray Sources*
- 09.15-09.30 **M. Middleton (C)** - *Super-critical accretion - the case for jetted ULXs*
- 09.30-09.45 **P.-O. Petrucci (C)** - *An Accretion-Ejection paradigm for compact objects*
- 09.45-10.00 **V. Grinberg (C)** - *X-raying stellar winds in high mass X-ray binaries*
- 10.00-10.15 **P. Kosec (C)** - *A highly ionised disc wind in Hercules X-1*
- 10.15-10.30 **B. Lehmer (C)** - *X-ray Binary Luminosity Function Scaling Relations for Local Galaxies Based on Subgalactic Modeling*
- 10.30-10.45 **F. Fornasini (C)** - *Connecting the metallicity dependence and redshift evolution of HMXBs*
- 10.45-11.00 **J. Svoboda (C)** - *Green Peas - the X-ray brightest star forming galaxies?*

COFFEE BREAK (11.00-11.30)

- 11.30-11.55 **A. Bamba (I)** - *SNR*
- 11.55-12.10 **V. Dwarkadas (C)** - *Investigating the X-ray Emission from high X-ray Luminosity Supernovae*
- 12.10-12.35 **K. Mukai (I)** - *White dwarves*
- 12.35-12.50 **D. Rogantini (C)** - *High-resolution X-ray spectroscopy of the interstellar dust*

LUNCH (12.50-14.20)

HOT AND DIFFUSE BARYONS

- 14.20-14.50 **J. Sanders (R)** - *Cluster physics*
- 14.50-15.05 **M. Rossetti (C)** - *X-raying the Planck legacy: X-ray properties of SZ-selected galaxy clusters*

15.05-15.20 **D. Wik (C)** - Heating and Acceleration at Galaxy Cluster Shocks: Insights from NuSTAR

15.20-15.35 **S. Randall (C)** - Exploring the Virialization Region of Merging Galaxy Clusters

15.35-15.50 **A. Botteon (C)** - Shocking news from the ICM

15.50-16.05 **E. O'Sullivan (C)** - Galaxy groups in the local universe: results from a complete sample

COFFEE BREAK (16.05-16.30)

16.30-17.00 **S. Ettori (R)** - Cluster cosmology

17.00-17.25 **R. Overzier (I)** - Proto-clusters

17.25-17.40 **S. Pellegrini (C)** - Hot ISM in early-type galaxies with stellar and AGN feedback: X-ray diagnostics of the origin and evolution of the hot gas

17.40-17.55 **N. Islam (C)** - An XMM-Newton study of the hot gas in Early type galaxies

17.55-18.10 **D.-W. Kim (C)** - Hot Gaseous Halos in Early Type Galaxies

18.10-18.25 **V. Ghirardini (C)** - Mapping the outer regions of high-z clusters combining X-ray and SZ observations

WEDNESDAY, SEPTEMBER 11TH

HOT AND DIFFUSE BARYONS

09.00-09.25 **F. Nicastro (I)** - WHIM

09.25-09.40 **T. Connor (C)** - X-rays from the Cosmic Web: The Case of Abell 133

09.40-09.55 **M. Li (C)** - Supernovae-driven Galactic Outflows and the X-ray Emission and Absorption of Hot Circumgalactic Medium

09.55-10.10 **A. Kolodzig (C)** - Searching for the hot and diffuse baryons in the Universe via surface brightness fluctuations of cosmic X-ray background

ACTIVE GALACTIC NUCLEI: I- ACCRETION AND EJECTION PHYSICS

10.10-10.40 **A. Fabian (R)** - AGN physics

10.40-10.55 **G. Lanzuisi (C)** - First measurement of coronal properties in two luminous, high-z QSOs

COFFEE BREAK (10.55-11.25)

11.25-11.40 **J. Kaastra (C)** - X ray obscurers: bridging the gap between warm absorbers and ultra-fast outflows

11.40-11.55 **A.L. Longinotti (C)** - Dissecting AGN feedback: the extraordinary multi-phase outflow in the Narrow Line Seyfert 1 IRAS17020+4544

11.55-12.10 **R. Arcodia (C)** - The disk-corona interplay in radiatively-efficient broad-line AGN

12.10-12.35 **E. Kara (I)** - AGN physics

12.35-12.50 **B. De Marco (C)** - X-ray variability of Seyfert galaxies during transient obscuration events: the case of NGC 3783

12.50-13.05 **M. Dovciak (C)** - Modeling the thermal reverberation in AGN

LUNCH (13.05-14.30)

14.30-14.45 **G. Chartas (C)** - Size of the ISCO and hot corona from gravitational lensing

14.45-15.00 **W. Ishibashi** (C) - AGN radiative feedback: the effective Eddington limit for dusty gas

15.00-15.15 **G. Miniutti** (C) - Extraordinary X-ray variability from an intermediate-mass black hole

15.15-15.30 **M. Mehdipour** (C) - Relation between winds and jets in radio-loud AGN

15.30-15.45 **S. Bianchi** (C) - Evidence for radiation pressure compression in the X-ray narrow-line region of Seyfert galaxies

15.45-16.00 **E. Costantini** (C) - The UV-X-ray high-resolution view of outflowing winds in AGN: the case of I Zwicky 1

COFFEE BREAK (16.00-16.20)

ACTIVE GALACTIC NUCLEI: II- DEMOGRAPHY AND COSMIC EVOLUTION

16.20-16.50 **D.M. Alexander** (R) - AGN demography and evolution

16.50-17.05 **M. Jones** (C) - A universal model of black hole accretion uncovering AGN in the Cosmic X-ray background

SOCIAL DINNER AT PALAZZO RE ENZO

THURSDAY, SEPTEMBER 12TH

ACTIVE GALACTIC NUCLEI: II- DEMOGRAPHY AND COSMIC EVOLUTION

09.15-09.30 **F. Shankar (C)** - *Dissecting black hole-galaxy co-evolution from de-biased scaling relations*

09.30-09.45 **E. Lusso (C)** - *Tension with the LCDM model from a Hubble diagram of quasars*

09.45-10.00 **J. Buchner (C)** - *Model-independent limits on the abundance of SMBH*

10.00-10.15 **L. Zappacosta (C)** - *The realm of hyperluminous quasars*

10.15-10.30 **M. Gupta (C)** - *Comparing radio-loud Swift/BAT AGN with their radio-quiet counterparts*

10.30-10.45 **A. Foord (C)** - *Quantifying the rate of dual-AGN with BAYMAX*

COFFEE BREAK (10.45-11.15)

11.15-11.40 **C. Ricci (I)** - *AGN demography and obscuration*

11.40-11.55 **P. Boorman (C)** - *Resolving X-ray Obscuration Biases with Isotropic AGN Selection - First Results from the NuLANDS Legacy Survey*

11.55-12.10 **T. Kawamuro (C)** - *A Chandra and ALMA Study of X-ray-irradiated Gas in the Central ~100 pc of the Circinus Galaxy*

12.10-12.25 **F. Salvestrini (C)** - *Unveiling the intrinsic AGN strength in a 12 micron-selected Seyfert 2 sample*

12.25-12.40 **F. Panessa (C)** - *Water maser emission in hard X-ray selected AGN*

12.40-12.55 **V. Masoura (C)** - *The dependence of star formation on AGN activity and absorption*

12.55-13.10 **O. Gonzalez-Martin (C)** - *X-ray variability plane revisited: Role of obscuration*

LUNCH (13.10-14.30)

ACTIVE GALACTIC NUCLEI: III – THE COSMIC FRONTIER

14.30-15.00 **J. Aird (R)** - *High-z AGN*

15.00-15.15 **N. Cappelluti (C)** - *Searching for high-z AGN with Chandra and with future facilities*

15.15-15.40 **F. Vito (I)** - *High-z AGN*

15.40-15.55 **R. Nanni (C)** - *The X-ray properties of the $z\sim 6$ quasars*

COFFEE BREAK (15.55-16.25)

FUTURE MISSIONS

16.25-16.50 **N. Schartel (I)** - *XMM*

16.50-17.15 **B. Wilkes (I)** - *Chandra*

17.15-17.35 **A. Merloni (S)** - *eROSITA*

17.35-17.50 **L. Burderi (C)** - *The HERMES Project: probing space-time quantum foam and hunting for gravitational wave electromagnetic counterpart*

17.50-18.05 **K. Mori (C)** - *The FORCE mission: a future Japan-lead mission for broadband X-ray imaging spectroscopy with high-angular resolution*

18.05-18.20 **K. Hayashida (C)** - *Multiple Image X-ray Interferometer Modules (MIXIM) and their scalable mission plans from sub-arcsecond to subsub-arcsecond resolution X-ray images*

FRIDAY, SEPTEMBER 13TH

FUTURE MISSIONS

09.00-09.20 **K. Nandra (S)** - *Athena*

09.20-09.40 **M. Tashiro (S)** - *XRISM*

09.40-10.00 **M. Weisskopf (S)** - *IXPE*

10.00-10.20 **L. Amati (S)** - *Theseus*

10.20-10.35 **C. Pinto (C)** - *Understanding AGN feedback with XRISM and ATHENA*

COFFEE BREAK (10.35-11.00)

11.00-11.20 **R. Petre (S)** - *NASA*

11.20-11.40 **S.N. Zhang (S)** - *CAS*

11.40-12.40 *Round table (A. Comastri, F. Fiore, P. Gandhi, C. Kouveliotou, C. Norman, M. Urry (TBC))*

12.40-13.10 **M. Elvis (I)** - *Concluding remarks*

