

PROGRAMME

ASTROPHYSICS OF HOT PLASMA IN EXTENDED X-RAY SOURCES

Wednesday, 12 June 2019

08:30-08:55	Registration & Coffee	
		Chair: Simone Migliari
08:55	<i>Schartel, Norbert - Welcome</i>	
09:00	<i>Lopez, Laura - Observations of Galactic Supernova Remnants</i>	
09:30	<i>Ferrand, Gilles - Modelling and Simulations of Supernova Remnants</i>	
10:00	<i>Yamaguchi, Hiroya - Recombining Plasma in Mixed-Morphology Supernova Remnants: Discovery and Progress in the Last Decade</i>	
10:30	<i>Sasaki, Manami - Supernova Remnants in Nearby Galaxies</i>	
11:00-11:30	Coffee Break & Poster Viewing	
		Chair: Eva Verdugo
11:30	<i>Zhou, Ping - G7.7-3.7: A Young Supernova Remnant Probably Associated with the Guest Star in 386 CE (SN 386)</i>	
11:45	<i>Matsumura, Hideaki - Spatially Resolved Spectroscopy of the Supernova Remnant N63A in the Large Magellanic Cloud</i>	
12:00	<i>Dwarkadas, Vikram - Smoothed Particle Inference Analysis of Supernova remnant DEM L71</i>	
12:15	<i>Temim, Tea - Evolution of Pulsar Wind Nebulae Inside Supernova Remnants</i>	
12:45	<i>An, Hongjun - Plasma flow properties in the pulsar wind nebula 3C~58 investigated with a NuSTAR hard X-ray observation</i>	
13:00	<i>Costantini, Elisa - The cold interstellar medium seen in X-rays</i>	
13:30-15:00	Lunch Break	
		Chair: Elisa Costantini
15:00	<i>Montez, Rodolfo - Hot Bubbles: Extended X-ray Emission in Planetary Nebulae</i>	
15:15	<i>Guerrero, Martin A. - Testing the Theory of Wind-Blown Bubbles with the Bubble Nebula - NGC 7635</i>	
15:30	<i>Green, Samuel - Thermal emission from bow shocks I: 2D Hydrodynamic Models of the Bubble Nebula</i>	
15:45	<i>Toala, Jesus A. - Diffuse X-ray emission from Wolf-Rayet bubbles unveiled with XMM-Newton</i>	
16:00	<i>Knies, Jonathan - Multi-Wavelength Analysis of the X-ray Spur in the Large Magellanic Cloud</i>	
16:15-16:45	Coffee Break & Poster Viewing	
		Chair: Jacobo Ebrero
16:45	<i>Ponti, Gabriele - Soft X-ray plasma in the inner 200 pc and in the Galactic centre lobe</i>	
17:15	<i>Li, Miao - Supernovae-driven Galactic Outflows and the X-ray Emission and Absorption of Galaxy Coronae</i>	
17:30	<i>Zhang, Shuinai - XMM-Newton RGS spectroscopy of the M31 bulge: A past AGN half a million years ago</i>	
17:45	End of Day 1 - Shuttle Bus to Madrid	

Thursday, 13 June 2019

Chair: Ivan Valtchanov

09:00	<i>Li, Jiangtao - X-ray view of the hot circum-galactic medium</i>
09:30	<i>Vijayan, Aditi - X-ray Spectra of Hot Circumgalactic Medium around Spiral galaxies: Connecting Simulations to Observations</i>
09:45	<i>Pellegrini, Silvia - Metal abundances in the MACER simulations of the hot interstellar medium</i>
10:00	<i>Kim, Dong-Woo - X-ray Early Type Galaxy Atlas</i>
10:15	<i>Paggi, Alessandro - The Chandra 3C Snapshot Survey: The Story So Far</i>
10:30	<i>Jimenez-Gallardo, Ana - Unravelling the origin of extended X-ray emission surrounding FR II radio galaxies</i>
10:45	<i>Tuominen, Toni - Warm-Hot Intergalactic Medium in the EAGLE simulation</i>

11:00-11:30 Coffee Break & Poster Viewing

Chair: Sabrina De Grandi

11:30	<i>Nevalainen, Jukka - Searching for hot WHIM</i>
11:45	<i>Gupta, Anjali - Missing baryons and the warm-hot circumgalactic medium of late type galaxies NGC5746 and NGC3221</i>
12:00	<i>Foster, Adam - APEC atomic rates</i>
12:30	<i>Betancourt-Martinez, G. - Charge exchange, from the laboratory to the sky</i>
13:00	<i>Koutroumpa, Dimitra - Diffuse X-ray observations towards high ecliptic latitude fields: Variation of heliospheric SWCX signal throughout the solar cycle</i>

13:15-15:00 Lunch Break

Chair: Florence Durret

15:00	<i>Molendi, Silvano - Background modelling</i>
15:30	<i>Gastaldello, Fabio - Multi-temperature plasma and the spectroscopic-like temperature bias with the Athena X-IFU</i>
15:45	<i>de Avillez, Miguel - The importance of the atomic history in time-dependent simulations of the interstellar gas</i>
16:00	<i>Tumer, Aysegul - Exploring the multi phase medium in MKW08: from the central active galaxy up to cluster scales</i>

16:15-16:45 Coffee Break & Poster Viewing

Chair: Hans Böhringer

16:45	<i>Sanders, Jeremy - Galaxy clusters observations: structure and dynamics of the ICM</i>
17:15	<i>Durret, Florence - Physical properties of the X-ray gas as a dynamical diagnosis for galaxy clusters</i>
17:30	<i>Wik, Daniel - Broadband, spatially-resolved temperature constraints in galaxy clusters</i>
18:45	<i>Hu, Dan - A Study of the Merger History of the Galaxy Group HCG 62 Based on X-Ray Observations and Smoothed Particle Hydrodynamic Simulations</i>

18:00 End of Day 2 - Shuttle Bus to Madrid

21:00 **Dinner: Restaurant Arzábal of the Reina Sofía Museum**

Friday, 14 June 2019

Chair: Thomas Reiprich	
09:00	<i>Mernier, Francois - Chemical abundances in the hot atmospheres of galaxy clusters, groups, and elliptical galaxies</i>
09:30	<i>Urdampilleta, Igone - Iron abundance distribution in the hot gas of merging galaxy clusters</i>
09:45	<i>Mao, Junjie - Nitrogen abundance in the X-ray halos of clusters and groups of galaxies</i>
10:00	<i>Ettori, Stefano - The role of helium in the ICM emission: implications and constraints</i>
10:15	<i>*Walker, Stephen - Unravelling the physics of the intracluster medium with cold fronts</i> *teleconference
10:45	<i>Lau, Erwin - Constraining Gas Clumping in Galaxy Clusters with X-ray Angular Power Spectra</i>
11:00-11:30	Coffee Break & Poster Viewing
Chair: Esra Bulbul	
11:30	<i>Gaspari, Massimo - Probes of rain and turbulence in hot halos</i>
11:45	<i>Hunt, Matthew - Enhanced Ram Pressure Stripping of Galaxies in Major Mergers and the formation of Jellyfish Galaxies</i>
12:00	<i>Pinto, Ciro - Lessons learned from 19 years of high-resolution X-ray spectroscopy of galaxy clusters with RGS</i>
12:30	<i>Liu, Haonan - Measuring cooling rates in cool-core galaxy clusters</i>
12:45	<i>Pratt, Gabriel - The galaxy cluster mass scale: insights from X-rays</i>
13:15	<i>Kolodzig, Alexander - A multiwavelength study of WHIM in Planck-detected superclusters: searching for the missing baryons</i>
13:30-15:00	Lunch Break
Chair: Lucia Ballo	
15:00	<i>Bulbul, Esra - Cluster Outskirts: New Frontiers in Astrophysics and Cosmology</i>
15:30	<i>Sanders, Jeremy - eROSITA on SRG</i>
16:00	<i>Matsushita, Kyoko - XRISM</i>
16:30	<i>Barret, Didier - The Athena X-ray observatory</i>
17:00	<i>Fabian, Andy - Final remarks</i>
17:10	End of Workshop - Shuttle Buses to Airport and to Madrid