

## XMM-Newton Workshop 2024

### List of Posters

1	G. Liu	<i>Vortex Avalanches and Collective Motion in Neutron Star Interiors</i>
2	A. Mancini Pires	<i>Isolated neutron star candidates from 4XMM-DR9</i>
3	A. A. Gencali	<i>Long-term Evolutionary Links Between the Isolated Neutron Star Populations</i>
4	D. Íñiguez Pascual	<i>Fitting X-ray and gamma-ray spectra of all known high-energy pulsars with a synchro-curvature radiation model</i>
5	N. Shchepochin	<i>Nuclear pastas in neutron stars</i>
6	A. Kartha	<i>Investigating a Common Origin among some GRBs and FRBs</i>
7	D. P. Pacholski	<i>INTEGRAL observations of magnetars</i>
8	M. Baring	<i>Pulsed and Polarized X-ray Emission from Neutron Star Surfaces</i>
9	S. Mereghetti	<i>INTEGRAL discovery and XMM-Newton follow-up observations of a magnetar giant flare in the starburst galaxy M82</i>
10	R. Sathyaprakash	<i>Long-term study of the 2020 magnetar-like outburst of the young pulsar PSRJ1846-0258 in Kes 75</i>
11	N. Chamel	<i>Shallow heating in magnetars: role of electron captures</i>
12	N. Ul Sabah Rehan	<i>Can a Magnetar Glitch Affect the X-ray Burst Properties?</i>
13	A. Ibrahim	<i>Magnetar Bursts &amp; their Extragalactic Lookalikes: What we learned from the Milky Way sources &amp; how can this help finding magnetars in other galaxies</i>
14	P. Rau	<i>Electron MHD in magnetar crusts with Landau-quantized electrons</i>
15	S. Ascenzi	<i>Advancements in Three-Dimensional Thermal Evolution Modeling of Isolated Neutron Stars with MATINS Code</i>
16	V. Allard	<i>Evidence of gapless neutron superfluidity from the late time cooling of transiently accreting neutron stars</i>
17	F. Castillo	<i>Two-fluid simulations of ambipolar diffusion in neutron star cores</i>
18	N Moraga	<i>Magnetothermal evolution in the cores of adolescent neutron stars: The Grad-Shafranov equilibrium is never reached in the 'strong-coupling' regime</i>
19	L. E. Rodríguez	<i>Contrasting neutron star heating mechanisms with Hubble Space Telescope observations</i>
20	R. Kyer	<i>A Multiwavelength Hunt for Transitional Millisecond Pulsar Candidates</i>
21	N. Niang	<i>X-ray pulsations from neutron star low-mass X-ray binaries</i>
22	P. Stammerl	<i>The radius of a millisecond pulsar from its surface far-UV and soft X-rays emissions</i>
23	K.-Y. Au	<i>An Anti-Correlation Between the X-ray Luminosity and Optical Orbital Modulation of PSR J1023+0038</i>
24	A. Manca	<i>Identification and characterisation of the gamma-ray counterpart of the transitional pulsar candidate CXOU J1109</i>
25	R. Mignion-Risse	<i>GRMHD simulations of the X-ray switching modes in transitional millisecond pulsars</i>
26	B. Sen	<i>It's Getting Hotter: PSR J1622-0315 and Its Increasing Irradiation and Asymmetric Heating</i>
27	M. Turchetta	<i>Quantifying the irradiation and expanding the population of spider pulsars</i>
28	K. Koljonen	<i>Spider luminosities and the invisible black widow</i>
29	B. Dorsman	<i>Pulse Profile Modeling of the Accreting Millisecond X-ray Pulsar SAX J1808.4-3658</i>
30	M. Gornostaev	<i>Correlation of the spectral hardness with the X-ray luminosity in bright X-ray pulsars</i>
31	J. Greiner	<i>A helium-burning white dwarf binary as a supersoft X-ray source</i>

32	V. Madurga-Favieres	<i>Pulse-to-pulse Variations in the Accreting X-ray Pulsar Vela X-1</i>
33	C. Malacaria	<i>Discovery of spin-phase-dependent QPOs in the supercritical accretion regime from the X-ray pulsar RX J0440.9+4431</i>
34	S. Popov	<i>Probing the propeller regime with symbiotic X-ray binaries</i>
35	L. Townsend	<i>10 years of SALT optical spectroscopic monitoring of Be X-ray binaries</i>
36	K. Tuerxunmaiti	<i>Probing core cooling of transiently accreting neutron stars with X-ray data</i>
37	G. Vasilopoulos	<i>Evolution of a 30-yr-duration post-nova pulsating supersoft source in the Large Magellanic Cloud</i>
38	D. Verma	<i>NICER observations of Nearby Persistent Supersoft X-Ray Sources</i>
39	T. Ko	<i>Fast winds blowing from a white dwarf left by the historical supernova 1181 and its X-ray emission</i>
40	R. Willer	<i>Modelling the post-outburst thermal X-ray emission from classical novae</i>
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42	A. Di Marco	<i>Weakly magnetized accreting neutron stars as seen by IXPE</i>
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45	L. Ábalo	<i>Variable structures in the stellar wind of the HMXB Vela X-1</i>
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50	I. Saathoff	<i>Blind Source Separation for Decomposing X-ray Pulsar Profiles</i>
51	M. Miraç Serim	<i>Insights from Swift J0243.6+6124 during its 2017-2018 outburst</i>
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55	T. Guver	<i>Burst oscillations from 4U 1728-34 observed with NICER</i>
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58	F. Barra	<i>X-ray spectral variability as a probe of the compact objects powering ULXs</i>
59	A. Belfiore	<i>The Orbit of NGC 5907 ULX1</i>
60	S. Conforti	<i>Modeling the emission and polarization properties of Pulsating Ultraluminous X-ray sources</i>
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63	S. Friedrich	<i>Searching the non-accreting white dwarf population in eROSITA data</i>
64	E. N. Toktas	<i>Chemical enrichment of A2384 galaxy cluster and research of astronomical object's chemical enrichment that bends the bridge between galaxy clusters</i>
65	D. Misra	<i>Studying the signatures of different physical processes on the X-ray luminosity function of high-mass X-ray binaries</i>
66	D. Kaltenbrunner	<i>The population of high-mass X-ray binaries in the LMC detected during the first eROSITA all-sky survey</i>

