

-- Monday 19 June --

BUSSES FOR PALAZZO D'AVALOS DEPART AT 08:30am				Afternoon	
Morning				Session: OUTFLOWS & JETS - I	
09:00 - 09:20	Welcome to VAM 2023!			Chair: Elena Ambrosi	
Session: ACCRETION & DISC GEOMETRY - I				INVITED 14:30 - 14:55	Kyle Parfrey <i>Accreting Neutron Stars Via Relativistic MHD Simulations (moved from mag. accretion & ULX session)</i>
INVITED 09:20 - 09:45	Omer Blaes <i>MHD Simulations of Accretion Disks and Variability in Compact Binaries</i>	14:55 - 15:10	Gregoire Marcel <i>A unified accretion ejection paradigm for X-ray binaries : the JED-SAD paradigm</i>		
09:45 - 10:00	Phil Uttley <i>Propagating fluctuations in the NICER era</i>	15:10 - 15:25	Ryota Tomaru <i>What powers black hole accretion disc winds in low-mass X-ray binaries?</i>		
10:00 - 10:15	Gibwa Musoke <i>General relativistic magneto-hydrodynamic simulations of truncated accretion disks</i>	15:25 - 15:40	Marc Van Den Bossche <i>MHD winds to explain quiescent accretion of compact binary discs</i>		
10:15 - 10:30	Mariko Kimura <i>The 2021 anomalous event and its precursor of the dwarf nova SS Cyg</i>	15:40 - 15:55	Noel Castro Segura <i>Simultaneous panchromatic observations of the low mass X-ray binary (LMXB) Swift J1858</i>		
10:30 - 11:00	Coffee/Tea break	15:55 - 16:25	Coffee/Tea break		
Chair: Melania Del Santo				Chair: David Buckley	
11:00 - 11:15	Edward Nathan <i>Phase-resolved spectroscopy of QPOs seen in simultaneous NuSTAR & XMM-Newton observations of H1743-322 across multiple outbursts</i>	INVITED 16:25 - 16:50	Teo Muñoz-Darias <i>Accretion disc winds from low-mass X-ray binaries</i>		
11:15 - 11:30	Oliver Porth <i>General relativistic radiation magento-hydrodynamic simulations of luminous accretion disks</i>	16:50 - 17:05	Maxime Parra <i>The current state of disk wind observations in BHLMXBs through X-ray absorption lines in the iron band</i>		
11:30 - 11:45	Deepika Bollimpalli <i>Disc Wars: The Thin disc strikes back</i>	17:05 - 17:20	Nick Kylafis <i>The role of outflows in black-hole X-ray binaries</i>		
11:45 - 12:00	POSTER ANNOUNCEMENTS	17:20 - 17:35	Virginia Cúneo <i>Optical accretion disc winds in Accreting White Dwarfs</i>		
12:00 - 12:30	DISCUSSION Lead: Mendez	17:35-18:05	DISCUSSION Lead: Knigge		
12:30 - 14:30	LUNCH (free time)	18:30-20:00	Aperitivo		
		BUSSES FOR VASTO MARINA DEPART AT 20:00			

-- Tuesday 20 June --

BUSSES FOR PALAZZO D'AVALOS DEPART AT 08:30am				Afternoon	
Morning				Session: WIND ACCRETION	
Session: OUTFLOWS & JETS - II				Session: WIND ACCRETION	
Chair: Melania Del Santo				Chair: Teo Munoz-Darias	
INVITED 09:00 - 09:25	Julien Malzac <i>The internal shock model for compact jets in X-ray binaries</i>	INVITED 14:30 - 14:55	Victoria Grinberg <i>High Mass X-ray binaries as chance to accretion and stellar wind studies</i>		
09:25 - 09:40	Francesca Panessa <i>Disc-jet coupling in accreting systems</i>	14:55 - 15:10	Lara Sidoli <i>The lowest X-ray luminosity state captured in Supergiant Fast X-ray Transients</i>		
09:40 - 09:55	Federico Vincentelli <i>A shared accretion instability for black holes and neutron stars</i>	15:10 - 15:25	Lida Oskinova <i>Gamma Cassiopeiae - defining a new class of accreting binaries</i>		
09:55 - 10:10	Mariano Mendez <i>Compelling evidence that the hard lags of the type-C QPO in GRS1915+105 come from the jet</i>	15:25 - 15:40	Eleonora Veronica Lai <i>The stellar wind properties in Cygnus X-1</i>		
10:10 - 10:25	Alessio Marino <i>Investigating the disc-jet coupling in the NS XRB 4U 1820-30 with multiwavelength observations</i>	15:40 - 15:55	POSTER ANNOUNCEMENTS		
10:25 - 11:00	Coffee/Tea break	15:55 - 16:25	Coffee/Tea break		
Chair: Marica Branchesi				Chair: Lorenzo Ducci	
11:00 - 11:15	Nicolas Scepi <i>Strongly magnetized disks and the X-ray binary hysteresis: a numerical point of view</i>	16:25 - 16:40	Matteo Imbrogno <i>Post-EXTraS discovery of a new pulsar in the LMC: a peculiar BeXRB or a new candidate magnetar?</i>		
11:15 - 11:30	Elise Egron <i>Jet composition in the microquasar Cyg X-1</i>	16:40 - 16:55	Elena Ambrosi <i>Pulse profile diagnostics in Neutron Stars High Mass X-ray Binaries</i>		
11:30 - 11:45	Sumari Barocci-Faul <i>Multi-wavelength study of outbursting cataclysmic variable star CRTS J033349.8-282244 in the LADUMA field using MeerKAT and MeerLICHT</i>	16:55 - 17:10	Luis Abalo <i>Absorption variability of Vela X-1: long-term monitoring study in the 2--10 keV energy band</i>		
11:45 - 12:00	Andrzej Zdziarski <i>Episodic jets from black-hole X-ray binaries</i>	17:10 - 17:25	Wolf-Rainer Hamann <i>Accretion and evolution in the high-mass black hole binary M33 X-7</i>		
12:00 - 12:30	DISCUSSION Lead: Paul Groot	17:25-17:55	DISCUSSION Lead: Lida Oskinova		
12:30 - 14:30	LUNCH (free time)	BUSSES FOR VASTO MARINA DEPART AT 18:10			

-- Wednesday 21 June --

BUSES FOR PALAZZO D'AVALOS DEPART AT 08:30am		Afternoon	
Morning		Session: THERMONUCLEAR EXPLOSIONS	
Chair: Giulia Illiano		Chair: Lilia Ferrario	
INVITED 09:00 - 09:25	Elias Aydi <i>New Insights Into Classical Novae</i>	14:30 - 14:45	Chandreyee Maitra <i>Supersoft X-ray sources as progenitors of Type Ia supernovae</i>
09:25 - 09:40	Yuri Cavecchi <i>Bursts, Magnetic Fields and Burst Oscillations</i>	14:45 - 15:00	Linda Schmidtbreick <i>Nova eruptions and the evolution of CVs</i>
09:40 - 09:55	Thomas Russell <i>The impact of type I X-ray bursts on the radio jets from neutron star X-ray binaries</i>	15:00 - 15:15	Lientur Celedón <i>Observing the 3D geometry of nova shells with MUSE</i>
09:55 - 10:10	Julia Speicher <i>Type I X-ray bursts as probes of the neutron star accretion environment</i>	15:15 - 15:45	DISCUSSION Lead: Galloway
10:10 - 10:25	Duncan Galloway <i>Deducing accretion dynamics from thermonuclear bursts</i>	15:45 - 16:15	Coffee/Tea break
10:25 - 11:00	Coffee/Tea break	16:15 - 16:40	Barbara De Marco <i>Mapping accretion disks in stellar-mass black holes</i>
Chair: Linda Schmidtbreick		Chair: Francesca Panassa	
11:00 - 11:15	Yago Herrera <i>Mass-loss and composition of wind ejecta in type I X-ray bursts</i>	Session: ACCRETION & DISC GEOMETRY - II	
11:15 - 11:30	Ken Shen <i>Binary interaction dominates mass ejection in classical novae</i>	16:40 - 16:55	Samuel Turner <i>A new stochastic model for simulating accretion disks in 2D: propagating fluctuations and epicyclic motion</i>
11:30 - 11:45	Marina Orio <i>A multi-X-ray-mission view of the 2021 outburst of RS Ophiuchi</i>	16:55 - 17:10	Martina Veresvarska <i>Constraining outer disc edge with broad-band aperiodic variability</i>
11:45 - 12:00	Nazma Islam <i>Effects of non-equilibrium collisional plasma on the X-ray emission from the RS Ophiuchi during its recent eruption</i>	17:10 - 17:25	Dave Russell <i>On the geometry of the reprocessing sites in X-ray binaries</i>
12:00 - 12:15	Marcello Giroletti <i>Filming the evolution of symbiotic novae with VLBI</i>	17:25 - 17:40	Kevin Alabarta <i>Optical precursors to X-ray outbursts in XRBs with XB-NEWS</i>
12:15 - 14:30	LUNCH (free time)	17:40-18:10	DISCUSSION Lead: Uttley
		18:30-20:00	Aperitivo
		Guest Lecture 19:30 - 20:30 (In Italian)	Marica Branchesi <i>Multi-messenger Astronomy</i>
		BUSES FOR VASTO MARINA DEPART AT 20:00	

-- Thursday 22 June --

BUSSES FOR PALAZZO D'AVALOS DEPART AT 08:30am		Afternoon	
Morning		Session: MAGNETIC ACCRETION & ULXs	
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Chair: Victoria Grinberg		Chair: Barbara de Marco	
INVITED 09:00 - 09:25	Ileyk El Mellah <i>Wind accretion, disk formation and coronal heating in BH-hosting X-ray binaries (moved from accretion & disc geometry session)</i>	INVITED 14:35 - 15:00	Alessandro Papitto <i>Bridging accretion and rotation-powered neutron stars, the case of transitional millisecond pulsars</i>
INVITED 09:25 - 09:50	Matthew Middleton <i>Ultraluminous X-ray sources - our window onto Super-Eddington accretion</i>	15:00 - 15:15	Francesco Coti Zelati <i>Matter ejections behind the highs and lows of a transitional millisecond pulsar</i>
09:50 - 10:05	Roberta Amato <i>The ultraluminous X-ray source M81 X-6: a weakly magnetised neutron star with a precessing accretion disc?</i>	15:15 - 15:30	David Buckley <i>A Mutiwavelength campaign on AR Scorpii</i>
10:05 - 10:20	Sabela Reyero Serantes <i>Unraveling the nature of an ULX: analysis of the UV and optical spectrum of Ho II X-1</i>	15:30 - 15:45	Ingrid Pelisoli <i>A (successful!) targeted search for binary white dwarf pulsars</i>
10:20 - 10:35	Brianna Mills <i>Spectral results from RMHD simulations of black hole accretion and connections with observations</i>	15:45 - 16:00	POSTER ANNOUNCEMENTS
10:35 - 11:05	Coffee/Tea break	16:00 - 16:30	Coffee/Tea break
Chair: Claus Tappert		Chair: Piergiorgio Casella	
INVITED 11:05 - 11:30	Lilia Ferrario <i>Outbursts and thermonuclear eruptions in interacting white dwarf binaries</i>	16:30 - 16:45	Giulia Illiano <i>The accreting millisecond pulsar SAX J1808.4-3658 during its 2022 outburst: hints of an orbital shrinking</i>
INVITED 11:30 - 11:55	Valery Suleimanov <i>Basic parameters of white dwarfs in intermediate polars in Gaia era</i>	16:45 - 17:00	Pushpita Das <i>Simulating accreting neutron stars</i>
11:55 - 12:10	Claudia V. Rodrigues <i>Revisiting the white-dwarf mass determination in magnetic cataclysmic variables</i>	17:00 - 17:15	Peter Kretschmar <i>Disentangling pulse profiles of accreting X-ray pulsars</i>
12:10 - 12:25	Maxim Lyutikov <i>New look at magnetic accretion: centrifugal barriers, magnetic torques on the star, and internal structure of the disks</i>	17:15 - 17:30	Ekaterina Sokolova-Lapa <i>What does polarized emission from accreting neutron stars look like if we forget (just for a second) about the accretion columns?</i>
12:25 - 12:45	DISCUSSION Lead: Mukai	17:30-18:00	DISCUSSION Lead: Israel
12:45 - 14:30	LUNCH (free time)	18:30 - 22:30	SOCIAL DINNER at Collina Dei Colori

-- Friday 23 June --

BUSSES FOR PALAZZO D'AVALOS DEPART AT 09:00am		Afternoon	
Morning		Session: POPULATIONS, SURVEYS & NEW MISSIONS	
09:00 - 09:30	!!! FREE !!! A late start to the morning	Chair: Simone Scaringi	
Session: POPULATIONS, SURVEYS & NEW MISSIONS		14:30 - 14:45	Luciano Piersanti <i>The effects of rotation in the evolution of AM CVn systems</i>
Chair: Giorgio Matt		14:45 - 15:00	Gagik Tovmassian <i>Dwindling accretion of CVs at the turnaround of period minimum. The case of V498 Hya</i>
09:30 - 09:45	Ruben Farinelli <i>The low mass X-ray binary Cyg X-2 as a prototype for the science with the IXPE satellite</i>	15:00 - 15:15	Montserrat Armas Padilla <i>UltraCompCAT: a Catalogue of Ultra-Compact and Short Orbital Period X-ray Binaries</i>
09:45 - 10:00	Lorenzo Marra <i>X-ray polarimetric observations of accreting stellar mass black holes in soft-state</i>	15:15 - 15:30	Alessio Anitra <i>Swift J1357.2-0933: the high inclination black hole X-ray transient</i>
10:00 - 10:15	Christian Malacaria <i>A polarimetric-oriented X-ray stare at EXO 2030+375 with IXPE, Insight-HXMT and SRG/ART-XC</i>	15:30 - 15:45	Francesco Barra <i>Using X-ray variability to estimate the nature of the compact objects powering ULXs</i>
INVITED 10:15 - 10:40	Axel Schwoppe <i>eROSITA results on accreting compact binaries</i>	15:45 - 16:00	Nikita Rawat <i>SWIFT J0503.7-2819: a nearly synchronous intermediate polar below the period gap?</i>
10:40 - 11:15	Coffee/Tea break	16:00 - 16:30	Coffee/Tea break
Chair: Paula Szkody		Chair: Solen Balman	
INVITED 11:15 - 11:40	Anna Francesca Pala <i>Constraining the evolution of cataclysmic variables via the masses and accretion rates of their underlying white dwarfs</i>	16:30 - 16:45	Vitaly Neustroev <i>Optically thin accretion discs in cataclysmic variables with a low mass-transfer rate</i>
11:40 - 11:55	Jan van Roestel <i>Low accretion rate white dwarf binaries found with ZTF</i>	16:45 - 17:00	Paula Szkody <i>What we can learn about accretion heating from pulsating WDs in CVs</i>
11:55 - 12:10	Daniela Muñoz Giraldo <i>New X-ray detections of magnetic period-bounce cataclysmic variables from XMM-Newton and SRG/eROSITA</i>	17:00 - 17:15	Alessandro Ederoclite <i>Cataclysmic Variables in the J-PLUS and J-VAR surveys</i>
12:10 - 12:25	Jesus Corral Santana <i>New evidence for a black hole in the X-ray binary system Swift J1910.2-0546</i>	17:15 - 17:30	Paul Groot <i>Ultracompact binaries in the MeerLICHT and BlackGEM Surveys</i>
12:25 - 14:30	LUNCH (free time)	17:30-18:00	DISCUSSION & CONCLUDING REMARKS Lead: SOC
		18:30-20:00	Farewell Aperitivo
		BUSSES FOR VASTO MARINA DEPART AT 20:00	

-- MONDAY POSTER SESSION --
11:45 -- 12:00**Niek Bollemeijer****Connecting QPO lags and accretion variability in
MAXI J1820+070****Simone Gordon****The Impact of Resolution on Accreting Stellar Mass
Black Holes****Yuexin Zhang****The corona-jet evolution of black hole X-ray
transients MAXI J1535-571 and MAXI J1820+070****Anirban Dutta****A comparative broadband X-ray study of the dwarf
nova SS Cyg during Quiescence and Outburst****Nicola La Palombara****The candidate CV CXOG1b J002415.8-720436 in the
globular cluster 47 Tucanae: a new magnetic CV in
the period gap****Solen Balman****Optical identification and follow-up observations of
SRGA J213151.5+491400: A new Puzzling Polar-type
MCV**

**-- TUESDAY POSTER SESSION --
15:40 -- 15:55****Nazma Islam****Superorbital modulations in supergiant High Mass X-ray binaries****Patrizia Romano****The 100-month Swift catalogue of SFXTs: diagnostics from outburst properties****Lorenzo Ducci****X-ray flashes from the low-mass X-ray binary IGR J17407-2808 revealed by NuSTAR and XMM-Newton****Andres Gurrpide****The long-term (a)periodic variability of Ultraluminous X-ray sources****Augustin Skopal****Accreting white dwarfs in symbiotic binaries in the light of multiwavelength SED modelling****Vladyslava Marsakova****Analysis of the photometric behavior of the symbiotic star CH Cyg on short (hours-days) time scales.****Claus Tappert****A classical nova with a not so classical shell configuration****Maxim Lyutikov****Magnetospheric interaction in white dwarf binary**

**-- THURSDAY POSTER SESSION --
15:45 -- 16:00****Edward Nathan****Polarised reflection: Creating polarised XILLVER tables****Luis Abalo****Athena, the next-generation X-ray observatory: synchrotron facilities for the assembly and characterization of Silicon Pore Optics****Dharmesh Mistry****A Machine Learning driven search for members of the cataclysmic variable population****Anke van Dyk****High-speed photometry of Intermediate Polar CTCVJ2056-3014****Ana Carolina Mattiuci Figueiredo****Confirming the magnetic nature of the white dwarf in J1603+19****Juan Echevarria****The voluble intermediate polar DW Cnc****Noel Castro Segura****Multi-band observations of Intermediate polars with OPTICam.****Simone Scaringi****TW Pictoris as a transitional accreting white dwarf?
&
What is a micronova, and can we trigger one?****Simone Scaringi****Cataclysmic variables: a key population of gravitational wave sources for LISA**