

NewAthena Rising: SWG4

Wednesday 3 June 2026

Low-mass X-ray binaries: Chair: B. De Marco (14:35 - 16:15)

time	[id] title	presenter
14:35	[13] Highs, Lows, and Flares A Multi-band View of Shocks and Outflows in transitional millisecond pulsars	BAGLIO, Maria Cristina
15:00	[29] Low-luminosity X-ray pulsations from an accreting millisecond pulsar: An ever-thinning thread between bright accretion and subluminescent states	ILLIANO, Giulia
15:15	[17] A New Era for Galactic Center Astrophysics: Revealing the X-ray Populations with NewAthena	MANDEL, Shifra
15:30	[34] Spectroscopic signatures of radiative winds in thermonuclear X-ray bursts	MUÑOZ VELA, Daniel
15:45	[36] Testing the Poynting-Robertson drag in thermonuclear X-ray bursts in 4U 1636-536: from archival data to NewAthena	ISERN I VIZOSO, Mireia
16:00	[38] Detection of a 459 Hz X-ray Burst Oscillation in XTE J1810–189 using NICER (REMOTE)	VARUN, M.

Thursday 4 June 2026

Low-mass X-ray binaries: Chair: M. Del Santo, A. Marino (14:55 - 17:35)

time	[id] title	presenter
14:55	[16] Probing the Link Between kHz QPOs and Relativistic Iron Lines in Neutron Star LMXBs with New Athena	ANITRA, Alessio
15:20	[23] Flip-Flops and QPO switching in GX 339–4 during the 2021 and 2024 NICER outbursts	FERRETTI, Federico
15:35	[31] XMM-Newton spectroscopy and spectral analysis of Swift J1727.8-1613 across the soft-to-hard transition.	BRIGITTE, Maimouna
15:50	[19] You snooze, you lose: triggering NewAthena on the early rise of LMXB outbursts with XB-NEWS	ALABARTA JATIVA, Kevin
16:05	Coffee break	
16:35	[4] Accretion geometry of neutron star low-mass X-ray binaries: the IXPE view and the road to NewAthena (REMOTE)	URSINI, Francesco
16:50	[20] Pitfalls and solutions to model miss-specification in X-ray spectral modelling (REMOTE)	LUCCHINI, Matteo
17:05	[27] Table models in X-ray spectroscopy: a look towards the future	RICKETTS, Benjamin
17:20	[14] Optical Polarization Across Outburst and Quiescence in the black hole X-ray binary V4641 Sgr	VENA, Anita Maria