

National Astronomy Meeting (NAM) 2025

Wednesday 9 July 2025

Barred Galaxies: Unravelling Their Evolution, Dynamics and Cosmic Role (16:15 - 17:45)

time	[id] title	presenter
16:15	[292] Bar-driven fuelling of AGN	GARLAND, Izzy
16:30	[397] Decoding imprints of bars and AGN in the AMR of the Auriga galaxies.	
16:45	[392] What makes the bar go round: Drivers of bar pattern speed in cosmological simulations.	
17:00	[432] Swooping in on the drivers of the spin-age relation using barred galaxies from COLIBRE	
17:15	[336] Bars in TNG50 - slowdown and formation of double bars	Dr SEMCZUK, Marcin
17:30	[829] The stellar bar - dark matter halo connection in cosmological simulations	

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time	[id] title	presenter
16:15	[783] Automated Bar and Spiral Arm Segmentation using Deep Learning	SPINDLER, Ashley
16:30	[838] Tracing galaxy morphology and evolution with autoencoders	
16:45	[642] MUSE view of gas inflows in nearby galaxies: Connections to Nuclear Activity and Central Morphology	
17:00	[684] Effects of bar to the dynamics in the Galactic disc	
17:15	[967] Stellar Populations in Galactic Bars with Machine Learning	SAZONOVA, Elizaveta
17:30	[377] A stellar mass-dependent phase transition in disc galaxies	