

NAM2023 Poster listings

Session	ID	Name	Title
Gravitational Waves: From compact-object mergers to the origins of the early universe (and everything in-between)	1	Arthur Tolley	ArchEnemy: Removing scattered-light glitches from gravitational wave data
	2	Eungwang Seo	Gravitational lensing aided luminosity distance estimation for compact binary coalescences
	3	John Veitch	Constraining and comparing short GRB jet structures with electromagnetic and gravitational wave detections
	4	Max Wallis	Superseding the 'Black Hole' at the Galactic Centre
	4B	Max Wallis	Gravitational Wave Energy in Merging Neutron stars
	5	Ian Hawke	Impact of Nuclear Reactions on Gravitational Waves from Neutron Star Mergers
	6	Stephen Fairhurst	Cosmic horizons of massive stellar black holes with next-generation gravitational-wave observatories
	7	Yashaswi Gangwar	Elastic mountain on a spinning neutron star.
	8	Jordan Barber	Binary Black Hole Formation in Dense Stellar Clusters: The Effect Of Primordial Binaries
	9	Connar Rowan	Black Hole Binary Formation in AGN Discs: From Isolation to Merger
9B	Priyanyali Patel	A systematic search for supermassive black hole binary candidates in ZTF	
Explosive and high energy transients: A new era of discovery	10	David Law	Optimal decision-making for the New Robotic Telescope SPEC programme
	11	K-Ryan Hinds	Evidence for a luminosity-decay correlation in GRB GeV light curves
	12	Danny Dixon	Discovering new black holes in optical surveys
	13	Daniel Perley	Extremely luminous optical flaring on five-minute timescales in the aftermath of a cosmic explosion
21cm Cosmology: Current Status, Challenges and Prospects	14	Roger Wesson	Dust formation in the ejecta of core-collapse supernovae
	15	Yordan Ignatov	Detecting the 21-cm monopole and dipole with 21-cm global experiments
	16	Simon Pochinda	Joint astrophysical constraints on parameterised 21 cm models using multiwavelength observations
Euclid science exploitation in the UK	17	Qin Han	Radiative transfer of 21-cm line through ionisation cavities in an expanding universe
	18	Arnaz Khan	A minimal self-tuning model to tackle the Cosmological Constant Problem
Origins of Galaxies: from the Dark Ages to Cosmic Noon	19	Andrew Blain	Probing the dawn of the ISM with GRBs
	20	Stephen Eales	Metal Factories in the Early Universe
	21	Adam Carnall	A massive quiescent galaxy at redshift 4.658
	22	Thomas Stanton	Investigating oxygen and iron abundances in star-forming galaxies at $z = 3.5$
	23	Haonan Zheng	How do baryons affect mini-haloes?
	24	Gareth Jones	Exploring the Evolution of Dust Temperature using Spectral Energy Distribution Fitting in a Large Photometric Survey
	25	Christopher Conselice	EPOCHS: PEARLS and Public Deep Imaging of a Large Sample of $z > 10$ Galaxies
	26	Harry Stephenson	Exploring the fundamental metallicity relation at Cosmic Noon
	27	Thomas Cornish	Exploring the environments of SMGs: a wide-field narrowband study
	28	Hao Fu	The role of the stellar mass-halo mass relation in galaxy mergers and star formation histories
	29	Rahul Rana	Measuring the dust emission from Lyman-alpha emitters using submillimetre data

	30	Anke	Arentsen	The oldest stellar population in the Milky Way
Probing dark matter and baryons with galaxy clusters	31	Imogen	Towler	Probing the hydrostatic bias using simulations - the effects of intracluster gas
	32	Zoe	Altria	Modelling the covariance between multivariate scaling relations of CHEX-MATE galaxy clusters
The Origin of the Accretion Power of Compact Objects	33	Matthew	Temple	Probing the 'soft excess' with UV emission lines
	34	Thomas	Higginson	Feedback Processes of AGN jets
	35	Robbie	Webbe	Detection of Quasi-Periodic Eruptions in Extragalactic X-Ray Sources with Machine Learning
	36	Athulya	Menon MP	Broadband X-ray spectroscopy of RBS 1124 with relativistic reflection
	37	Yee Xuan Jane	Yap	Time-varying modeling of the inner parsec of a lepto-hadronic AGN jet
	38	Zuobin	Zhang	Evolution of QPOs in GX 339-4 and EXO 1846-031 with Insight-HXMT and NICER
	39	Melissa	Ewing	The X-ray polarisation of the Seyfert 1 galaxy IC 4329A
The resolved view of the molecular gas in galaxies	40	Eric	Liang	Giant molecular clouds in passive lenticular galaxy NGC1387 and conundrum of star formation
	41	Jairo	Armijos Abendano	Studying the origin of cloud complexes with multiple velocity components in Andromeda
	42	Darshan Mahesh	Kakkad	Spatially-resolved observations of cold and warm molecular gas in nearby hard X-ray AGN
	43	Anne	Buckner	CORRELATE: A novel tool to quantify the spatial behaviour of gas in 2+D datasets
	44	Kate	Pattle	Magnetic fields in the cold gas and dust of nearby galaxies: observing the dust continuum with JCMT SCUBA-2/POL-2
	45	William	Baker	The nature of the molecular gas main sequence, Schmidt-Kennicutt relation and star-forming main sequence
	46	David	Eden	MAJORS: Massive, Active JCMT-Observed Regions of Star Formation - Initial Observations and Results
AGN demographics and evolution in the era of large-scale surveys	47	Mark	Cunningham	An update on the 4MOST instrumentation
	48	Keir	Birchall	The Incidence of X-ray selected AGN in the nearby Universe
	49	Stephen	Wilkins	Simulating the first AGN with FLARES
	50	Clara	Pennock	A probabilistic random forest approach to the identification and classification of extragalactic and stellar sources in the VISTA survey of the Magellanic Clouds catalogue
	51	Sophie	Eden	Searching for intervening WiggleZ HI absorption candidates in the GAMA 15 field with ASKAP FLASH
	52	David	Simon	Anchoring Black Hole Relations in the Local Universe: The Case of M87
	53	Geferson	Lucatelli	Unravelling the multiscale radio emission structure with star formation in local U/LIRGs
	54	Darshan	Kakkad	High spatial resolution observations reveal most AGN may be in mergers
	55	Alba Vega	Alonso Tetilla	Probing the roles of orientation and multi-scale gas distributions in shaping the obscuration of Active Galactic Nuclei through cosmic time
	56	Mac	McMullan	Black Holes in Dwarf Galaxies and their effects on Star Formation
	57	Matthew	Thorne	Maybe The Real Issue Was the Selection Effects they Made Along the Way: Can The Differences In Observed Black Hole - Stellar Mass relations be explained By Selection Effects?
	58	Jones	Chilufya	The nature of compact radio-loud AGN selected by LOFAR
	59	Devang	Liya	A pan-chromatic study of the cosmic evolution of supermassive black holes
	60	Deovrat	Prasad	Environmental Dependence of Self-regulating Black Hole Feedback in Massive Galaxies at low redshift

Gas in and around galaxies: the imprint of cosmological accretion and interstellar medium processes on galactic properties	61	Alex	Beckett	Probing structure in the circumgalactic medium across cosmic time using multiple lines-of-sight
	62	Maximilian	Baker	Kinematic misalignments in galaxies: Persistence, distributions, and implications for galaxy evolution in hydrodynamical simulations
	63	Aishwarya	Girdhar	Molecular gas filaments around radio lobes and nuclear outflows revealing feedback on the galaxy ISM and CGM
	64	David	Glass	IRAM 30m Telescope Observations of Cool Molecular Gas in Dusty Early-Type Galaxies
	65	Geraldo	Goncalves	Unraveling the young stellar populations in peculiar disk galaxies
	66	Nicholas	Boardman	MaNGA gas-phase abundances and their connection to star-formation histories
	67	Christopher	Inman	Decoding the intrinsic properties of M51
	68	Will	McClymont	Understanding the ISM with synthetic emission line observations
Star formation across the Milky Way	69	Paul	Clark	On why cloud-cloud collisions are not important for star formation
	70	George	Weaver	Developing Machine Learning Models to Estimate the Ages of Young Stars
	71	David	Gooding	Simulating Intermediate Mass Black Hole Detection with the HARMONI Spectrograph on the ELT in R136 Cluster
	72	Zacariyya	Khan	Magnetic Field Structure in the Massive Hub-Filament System G34.26+0.15
	73	Nicolas	Peretto	Star cluster progenitors are dynamically decoupled from their parent self-gravitating molecular clouds
	74	Andrew	Rigby	The evolution of dense cores and gas kinematics in clump centres
	75	Carys	Herbert	Properties and evolution of surface spots on young stars in IC5070
	76	Jixuan	Zhou	Search for variable sources in Gaston data
	77	Hannah	Walker	M-band spectroscopy of massive young stellar objects
	78	Orsolya	Feher	Tracing episodic accretion with interferometry: FU Orionis-type stars and their millimeter environment
	79	Kartik Rajan	Neralwar	Molecular cloud morphologies and feedback in the SEDIGISM survey
	80	Elliot	Howatson	Emission line tracers of star formation-driven outflows in simulations of Milky Way-mass galaxies
	81	Janet	Bowey	Carbonates and ices within star-formation regions of the Milky Way and a galaxy-absorber at $z=0.89$
	82	Jason	Kirk	Dense cores and filaments in the TMC1 region
	83	Snehadeep	Kumar	Importance of the Saha's Equation of Thermal Ionization in the Spectral Classification of Stars
	84	Jairo	Armijos Abendano	Drivers of gas heating/chemistry and star formation in Sgr C
	85	Larry	Morgan	Filaments All the Way Down: Examining the Hierarchical Nature of the ISM
	86	Dawei	Xi	Studying Massive Star Forming Region SDC24.013+0.488
	87	Alex	Richings	Synthetic observations of photoionised star-forming regions in simulations of Milky Way-mass galaxies
	88	Kamran	Bogue	The Impact of Magnetic Fields on the Formation and Evolution of Molecular Clouds
	89	Sansith	Hewapathirana	The Impact of Stellar Feedback on the Surrounding Molecular Clouds
90	Theotokis	Georgatos	The critical surface-density for low-mass star formation	
91	Felix	Priestley	Unveiling the origins of prestellar cores with molecular line emission	
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	93	Madison	Walder	Probing the dark matter haloes of external galaxies by modelling stellar streams
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	95	Sam	Ryan	Untangling the Milky Way's Stellar Halo with Gaia DR3 RR Lyrae in 6D
	96	Emma	Willett	Asteroseismic inferences on the chemical enrichment of the Milky Way
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	98	Susan	Hutton	to see or not to see: how to hide the missing gas-rich Local Group dwarfs
	99	Mahdieh	Navabi	Role of SMC's old population in galactic archaeology
	100	Kate	Womack	Chemical Evolution of Fluorine in the Milky Way
	101	Connor	Pickett	Mass modelling the classical M31 dwarfs - Andromeda VI and XXIII
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	105	Patricio	Correa-Amaro	Characterization of Globular Clusters around Local Group Dwarf Galaxies: NGC6822, NGC147 and NGC185
	106	Andrea	Sante	Deep Learning for the Classification of Accreted and In-situ Stars
	107	James	Banister	Understanding the Integrated Light of Compact Stellar Systems
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