

ORAL SESSIONS (REMOTE)

Submission id	First	Last	Abstract Title	Oral Session	Time	Day
CHAIR			EZEQUIEL TREISTER			
2494	Adam	Leroy	Cold ISM Structure and Feedback on Multiple Scales in Nearby Galaxies	1	10:30-10:55	6-Aug
1703	Nikki	Zabel	Resolved studies of the atomic and molecular gas in cluster galaxies in the era of ALMA, MeerKAT, and the SKA	1	10:55-11:08	6-Aug
2135	Barbara	Catinella	Linking atomic and molecular gas stripping with quenching in satellite galaxies at different infall stages	1	11:08-11:21	6-Aug
2337	Petro	Janse van Rensburg	Studying gas flows in nearby SUNBIRD starburst galaxies and LIRGs	1	11:21-11:34	6-Aug
1456	Ryan	Keenan	Molecular Gas Conditions and CO Line Excitation in Nearby Galaxies with AMISS	1	11:34-11:47	6-Aug
957	Yu-Hsuan (Eltha)	Teng	Star Formation Efficiency in Nearby Galaxies Revealed with a New CO-to-H ₂ Conversion Factor Prescription	1	11:47-12:00	6-Aug

CHAIR			DEANNE FISHER			
1037	Rowan	Smith	The origin of cold ISM structure: insights from the dialogue between spatially resolved observations and high resolution simulations.	1	13:30-13:55	6-Aug
2029	Naomi	McClure-Griffiths	A GASKAP-HI View of Atomic Hydrogen in the Milky Way and Magellanic Clouds	1	13:55-14:08	6-Aug
1865	Nora	Linzer	Ultraviolet Radiation Fields and Gas/Dust Emission in Star-Forming Disk Galaxies: Numerical Simulations with TIGRESS-NCR	1	14:08-14:21	6-Aug
951	Shinjeong	Kim	Cold gas formation within an HI shell in the Magellanic Bridge from GASKAP-HI observations	1	14:21-14:34	6-Aug
1003	Juan	Soler	Connecting molecular clouds to their Galactic environment using neutral atomic hydrogen (HI) and 3D dust maps	1	14:34-14:47	6-Aug
2374	Fabian	Walter	ALMA few-100pc imaging of z~7 quasar host galaxies	1	14:47-15:00	6-Aug

CHAIR			NANASE HARADA			
2587	Karin	Sandstrom	The Relationship Between Cold Dust and Gas	2	15:30-15:55	6-Aug
2884	Chloe	Bosomworth	Resolved Dust Emission and CO Isotopologues in Giant Molecular Clouds of the Andromeda Galaxy	2	15:55-16:08	6-Aug
2605	Alice	Concas	Molecular gas and dust extinction relation revealed by ALMAQUEST.	2	16:08-16:21	6-Aug
2154	Debosmita	Pathak	The Distribution and Impact of Mid-Infrared Emission in Nearby Galaxies	2	16:21-16:34	6-Aug

1521	Michael	Romano	New evidence for outflow-induced gas and dust enrichment in the surroundings of dwarf galaxies	2	16:34-16:47	6-Aug
2801	Nickolas	Pingel	Unveiling the Role of Atomic Hydrogen in Molecular Cloud Formation: Insights from Wide-field HI Surveys	2	16:47-17:00	6-Aug

CHAIR		NAOMI MCLURE-GRIFFITHS				
968	Deanne	Fisher	How galaxies regulate their growth	3	10:30-10:55	7-Aug
3136	Ezequiel	Treister	Properties of the Molecular and Atomic Gas in AGN in Mergers from ALMA and VLT/MUSE Observations	3	10:55-11:08	7-Aug
1421	Maria Vittoria	Zanchettin	AGN feedback and ISM properties in the nearby Universe	3	11:08-11:21	7-Aug
474	Edvige	Corbelli	Star formation drivers in the local universe	3	11:21-11:34	7-Aug
1070	Loreto	Barcos-Munoz	Star Formation and Feedback in Local Luminous and Ultra Luminous Infrared Galaxies	3	11:34-11:47	7-Aug
1709	Filippo Marcello	Maccagni	Multi-phase and multi-wavelength: the feeding and feedback AGN cycle revealed by sensitive observations of the ISM	3	11:47-12:00	7-Aug

CHAIR		ROWAN SMITH				
2747	Stefanie	Walch	The impact of feedback on the cold interstellar medium	3	13:30-13:55	7-Aug
1060	Tom	Oosterloo	Closing the feedback-feeding loop of the radio galaxy 3C 84	3	13:55-14:08	7-Aug
1607	Henco	Arlow	The gas content of Luminous Compact Blue Galaxies in the COSMOS field.	3	14:08-14:21	7-Aug
2149	Ivana	Bešlić	When astronomy meets data science: Exploring mm molecular lines emission across Orion B	3	14:21-14:34	7-Aug
2215	Thato	Manamela	OH megamasers at high redshifts	3	14:34-14:47	7-Aug
2233	Cosima	Eibensteiner	PHANGS-MeerKAT and MHONGOOSE HI observations of nearby spiral galaxies: physical drivers of the molecular gas fraction, Rmol	3	14:47-15:00	7-Aug

CHAIR		ADAM LEROY				
2025	Nanase	Harada	Astrochemical diagnostics in various scales	4	15:30-15:55	7-Aug
1635	bop	cheikh	Exploring Kinematics in the Early Phases of Star Formation through Deuterium Fractionation	4	15:55-16:08	7-Aug
2357	Anelise	Audibert	Feedback from low-power radio jets on the gas reservoirs of quasars	4	16:08-16:21	7-Aug
2717	Bo	Peng	Bridging the gap between far-infrared fine structure lines and optical strong lines in studying interstellar medium and star formation	4	16:21-16:34	7-Aug

2805	Mavis	Seidu	MeerKAT's detection of low surface brightness HII regions associated with highly variable 6.7 GHz methanol masers	4	16:34-16:47	7-Aug
2998	Kimberly	Emig	Cold 'dark' gas in Cygnus X: The first large-scale mapping of low-frequency carbon recombination lines	4	16:47-17:00	7-Aug

POSTERS SESSIONS

Submission Id	First name	Last name	Abstract Title	Poster Session		
104	Dana	Alina	Neural Networks Unveiling Filamentary Structures in the Interstellar Medium: A Multi-Wavelength Approach Integrating Data from Advanced Telescopes	1	10:00-10:30	6-Aug
106	William	Reach	Shocks and Dark Gas in Diffuse Interstellar Clouds	1	10:00-10:30	6-Aug
248	Debra	Dunham	Using Gas-rich Early-type Galaxies to Test Empirical and Theoretical Models of Molecule Formation	1	10:00-10:30	6-Aug
547	Dhanesh	Krishnarao	Observations of LMC Coronal Gas and a Multiphase CGM	1	10:00-10:30	6-Aug
889	Devaky	Kunneriath	Star formation and molecular gas observations of NGC 5331 with VLA and ALMA	1	10:00-10:30	6-Aug
933	Jonathan	Freundlich	Probing the efficiency of star formation at different epochs	1	10:00-10:30	6-Aug
991	Umer	Rehman	Fast Radio Bursts: mechanisms of radiation and propagation in magnetar with finite temperature electron-positron plasma	1	10:00-10:30	6-Aug
1026	Hao	He	Understanding the physical driver of CO-to-H2 conversion factor variation within starburst galaxies	1	10:00-10:30	6-Aug
1213	Tirna	Deb	SYMPHANY: SYnergy of Molecular PHase And Neutral hYdrogen in galaxies in A2626	1	10:00-10:30	6-Aug
1242	Filippo Marcello	Maccagni	Environmental processes driving the low-column density gas in and out of galaxies	1	10:00-10:30	6-Aug
1274	Antoine	Marchal	A search for cold gas in the Magellanic system with ASKAP: Novel approach using Time-frequency analysis of hyper-spectral data	1	10:00-10:30	6-Aug
1308	Luca	Cortese	The physical connection between angular momentum and cold gas is not that simple	1	10:00-10:30	6-Aug
1344	Callum	Lynn	Spatial Variation of Cold and Unstable Neutral Hydrogen Gas of the Milky Way in the Southern Sky	1	10:00-10:30	6-Aug
1614	Kyra	Kummer	A Multiwavelength Study of Star Formation in PHANGS galaxy IC 5332	1	10:00-10:30	6-Aug
1741	Dane	Kleiner	The atomic and molecular ISM of an interacting triplet	1	10:00-10:30	6-Aug
1763	Lerothodi	Leeuw	Interfacing Galaxy Physical Properties from Cosmological Simulations and Observations Using Atomic Gas As a Probe	1	10:00-10:30	6-Aug
1923	Karina	Barboza	DIFFUSE HOT GAS AND X-RAY BINARIES ASSOCIATED WITH JWST-IDENTIFIED BUBBLES IN NGC 628	1	10:00-10:30	6-Aug

1967	Will	Armentrout	STAR FORMATION EFFICIENCY ON THE OUTER EDGE OF THE MILKY WAY	1	10:00-10:30	6-Aug
2110	Ren	Matsusaka	Spatial distribution of diffuse molecular gas and its accumulation mechanism in barred spiral galaxy M83	1	10:00-10:30	6-Aug
2246	Nadine	Hank	Physical drivers of HI asymmetries in spatially resolved SIMBA galaxies.	2	15:00-15:30	6-Aug
2289	Toshihiro	Handa	Coexistence of two different random density fluctuation in each of 11 galactic clouds suggested by GDH analysis	2	15:00-15:30	6-Aug
2351	Eva	Schinnerer	Rapid Evolution of the Central Star-Forming Ring in NGC1365	2	15:00-15:30	6-Aug
2377	Toshihiro	Handa	An observational evidence of ISM compression associated the galactic structure suggested by sub-kpc scale GDH analysis of the Milky Way	2	15:00-15:30	6-Aug
2379	Sophia	Stuber	Diving into the Dense Gas in the Whirlpool (Galaxy)	2	15:00-15:30	6-Aug
2434	Rei	Enokiya	Star formation in the central region of NGC253: geometric structure of the molecular gas and starburst triggering mechanism	2	15:00-15:30	6-Aug
2499	Natanael	de Oliveira	Dark matter distribution in Milky Way-analog galaxies	2	15:00-15:30	6-Aug
2877	Karina	Santana	MeerKAT reveals the replenishment of cold gas into star-forming galaxy NGC 5643.	2	15:00-15:30	6-Aug
2944	Sambit	Roychowdhury	The variation of H ₂ -to-HI content in galaxies over the past Gyr, and the fuelling of galaxies	2	15:00-15:30	6-Aug
2988	Hideki	Umehata	A giant barred-spiral starburst galaxy at the z=3 proto-cluster core	2	15:00-15:30	6-Aug
3204	Gang	Wu	Infall and outflow activities in star formation	2	15:00-15:30	6-Aug
505	I-Da	Chiang	Resolved measurements of the CO-to-H ₂ conversion factor in 37 nearby galaxies	2	15:00-15:30	6-Aug
1603	F	Khatamsaz	Investigating the Dust Production in the Local Group Dwarf Irregular Galaxy, NGC 6822, Through Dusty Stellar Populations	2	15:00-15:30	6-Aug
2073	Joe	Grundy	Complex Radio to Infrared SED modelling of nearby Star Forming Galaxies	2	15:00-15:30	6-Aug
2225	J. Ricardo	Rizzo	Understanding the LBV evolution by the competing warm dust and ionized winds in their surroundings	2	15:00-15:30	6-Aug
2495	Andras Peter	Joo	The relationship between cold gas and dust in bright Planck compact sources	2	15:00-15:30	6-Aug
2687	Ekta	Sharma	Multiwavelength magnetized view of the youngest starless core in Taurus: Synergy of HI gas and dust	2	15:00-15:30	6-Aug
3137	Alberto Daniel	Bolatto	PRIMA: The PRobe far-Infrared Mission for Astrophysics	2	15:00-15:30	6-Aug
3138	Pedro Jose	Blay Serrano	Characterization of the ISM in the Milky Way with linear optical polarization	2	15:00-15:30	6-Aug
2631	Federico	Lelli	Cold gas and star formation in tidal dwarf galaxies	3	10:00-10:30	7-Aug
2649	Daniel	Rybarczyk	A revised estimate of the thickness of the CNM in the solar neighborhood	3	10:00-10:30	7-Aug

2690	Thiago	Goncalves	Microwave wavelength observations of Lyman break analogues: local proxies for the study of the interstellar medium at high redshift	3	10:00-10:30	7-Aug
2818	Marco	Grossi	The MaNGA Low-mass disks HUnt for CO Survey (MaLHUCOS): molecular content and global relations at low-stellar masses.	3	10:00-10:30	7-Aug
271	Sarita	Vig	Impact of Protostellar jets on the ambient medium in infrared and radio	3	10:00-10:30	7-Aug
415	Fatemeh	Tabatabaei	ISM energy balance and structure formation over cosmic time through simulations and observations	3	10:00-10:30	7-Aug
526	E.	d.T.	Unveiling the cold outflow from the nucleus of the Milky Way	3	10:00-10:30	7-Aug
619	Yelena	Nikoghosyan	Is GRS 1915+10X-ray binary trigger for star formation?	3	10:00-10:30	7-Aug
1268	Kianhong	Lee	Outflows of ionized gas and molecular gas in a radio galaxy at $z=5.17$	3	10:00-10:30	7-Aug
1336	Luca	Cortese	MAUVE: Tracking the influence of the environment on the gas-star formation cycle of cluster galaxies during infall	3	10:00-10:30	7-Aug
1461	Francesca	pozzi	The AGN impact on the molecular gas phase: gas clouds and PDR/XDR modelling.	3	10:00-10:30	7-Aug
1859	Mark	Gorski	A Spectacular MHD-Powered Wind in The Galaxy ESO 320-G030	3	10:00-10:30	7-Aug
1878	David	Rebolledo	A resolved view of the impact of massive star formation in the atomic, molecular and ionized gas in the Carina Nebula	3	10:00-10:30	7-Aug
1901	Joao Victor	Correa Rodrigues	Disentangling the star-forming region of Canis Major: A radio and near-infrared perspective	3	10:00-10:30	7-Aug
2282	Lucia	Armillotta	Cosmic ray driven galactic outflows	3	10:00-10:30	7-Aug
2335	Moses	Mogotsi	Kinematics of Multi-phase Gas in Interacting Galaxies	3	10:00-10:30	7-Aug
2586	Martin	Bureau	WISDOM: Molecular cloud properties and star-formation efficiency	3	10:00-10:30	7-Aug
2608	Alice	Concas	Multiphase Gas Outflows and their impact on nearby galaxies	3	10:00-10:30	7-Aug
2819	Pedro Ruben	Rivera-Ortiz	Numerical modeling of the CO emission in Class 0 protostellar outflows	3	10:00-10:30	7-Aug
2820	Laya	Ghodsi	Joint ALMA+JWST analysis of the circumgalactic medium of MACS1931-26	3	10:00-10:30	7-Aug
2921	Kate	Searle	Resolving the quenching of star formation in post-starburst galaxies	3	10:00-10:30	7-Aug
3048	Pallavi	Patil	Constraining the AGN Impact on the ISM in Simulated and Observed Galaxies Near and Far	3	10:00-10:30	7-Aug
3053	Catherine	Witherspoon	Observations of HI and CO in Low-Mass Galaxies Hosting AGN	4	15:00-15:30	7-Aug
3058	Daniel	Villarruel	Starburst heating and synthetic ion column densities in multiphase galactic outflows.	4	15:00-15:30	7-Aug
3099	Allison	Man	A panchromatic view of the circumgalactic medium surrounding a brightest cluster galaxy at $z=0.4$	4	15:00-15:30	7-Aug

447	Katarzyna	Nowak	Detection of Self-Enrichment in Young Massive Star Clusters Using ²⁶ Al Tracers	4	15:00-15:30	7-Aug
832	Jianling	Tang	Constraining star cluster formation using multiwavelength observations with JWST and HST	4	15:00-15:30	7-Aug
1065	Piyush	Sharda	STARFORGE-UCLCHEM: coupling star cluster formation simulations to astrochemistry	4	15:00-15:30	7-Aug
1195	Sun	Kwok	The synthesis of organic and inorganic compounds in the circumstellar environment	4	15:00-15:30	7-Aug
1578	Derck	Smits	Full Stokes Observations of excited OH and methanol masers	4	15:00-15:30	7-Aug
1833	Mark	Gorski	Abundances and Excitation of A Glycine Precursor, Methanimine, in Compact Obscured Nuclei	4	15:00-15:30	7-Aug
1925	Joseph	Lazio	Centimeter-Wavelength Observations with the 70 m Canberra Antenna in the Deep Space Network	4	15:00-15:30	7-Aug
2094	Igor	Zinchenko	Multi-band studies of high-mass star-forming regions at various scales	4	15:00-15:30	7-Aug
2096	Paul	Fallon	Full Stokes measurements of the 4.765 GHz OH maser in Mon R2	4	15:00-15:30	7-Aug
2205	Deren	Andreas	Infrared study of the molecular cloud surrounding UCHII region G25.65+1.05	4	15:00-15:30	7-Aug
2298	Yoshimasa	WATANABE	Enhancement of CH ₃ OH by Cloud-Cloud Collisions in NGC 3627	4	15:00-15:30	7-Aug
2342	Alicja	Bulik	Quantum Mechanical Insights into Interstellar Ice Mantles: Predicting Infrared Spectral Features and Binding Energies	4	15:00-15:30	7-Aug
2358	Alba	Vidal García	Where infall meets outflows: turbulent dissipation probed by CH ⁺ and Ly α in the starburst/AGN galaxy group SMMJ02399-0136 at $z = 2.8$	4	15:00-15:30	7-Aug
2468	Mohamed	Darwish	A Search for Class I Methanol Masers Toward OH Masers in Massive Star-Forming Regions	4	15:00-15:30	7-Aug
3006	Anita	Hafner	The New Cryogenically-cooled Phased Array Feed for the 64m Murriyang Telescope at Parkes, Australia	4	15:00-15:30	7-Aug
3032	Pedro	Salas	Characterizing the atomic-to-molecular transition with carbon radio recombination lines	4	15:00-15:30	7-Aug
	Marta		Molecular Complexity in Star-forming Regions of the Large Magellanic Cloud Probed			
3031	Malgorzata	Sewilo	by ALMA Observations	4	15:00-15:30	7-Aug
248	Debra	Dunham	Using Gas-rich Early-type Galaxies to Test Empirical and Theoretical Models of Molecule Formation	4	15:00-15:30	7-Aug