

## Monday, 4<sup>th</sup> of December

### Poster flash session

12:05 – 12:35	1	ALMA Array Operation process overview	Hector Alarcon
	2	ALMA spectrum management and synergies with other entities in Chile	Giorgio Siringo
	3	Key Performance Indicators of the ALMA Program Management Group: A Pathway to Enhanced Efficiency and Effectiveness	Matias Radiszcz
	4	Automated Self-Calibration for the ALMA Pipeline	John Tobin
	5	ALMA ACA Spectrometer	Shun Ishii
	6	The ALMA Dashboard: A web-based application to monitor the ALMA system	Kurt Plarre
	8	Data Combination over 10 years with ALMA: Techniques for Interferometry and Total Power Imaging	Adele Plunkett
	9	Multi-wavelength observations of transitional disks	Anibal Sierra
	10	First detection of HC5N in a protoplanetary disk	Steven Wampler
	11	Early Planet Formation in Embedded Disks (eDisk): A first look at the Class 0 protostar GSS30 IRS3	Alejandro Santamaría Miranda
	12	Early Planet Formation in Embedded Disks (eDisk): Constraining the chemical tracers of young protostellar sources.	Rajeeb Sharma
	13	Kinematic signatures of gravitational instability in the AB Aurigae planet-forming disk	Jess Speedie
	14	Constraints on planet formation from observations and models of disk populations	Leonardo Testi
	15	Visibility-based Analyses of Non-Axisymmetric Structures of Protoplanetary Disks	Takayuki Muto
	16	eDisk Modeling of a Protostellar Disk: Dust Flaring, Viscous Accretion Heating, and Larger Gas Radius	Shigehisa Takakuwa
	17	What is the size distribution of protoplanetary disks in nearby star-forming regions?	Lucas Cieza
	18	Early Planet Formation in Embedded Disks (eDisk): picture of a protostar at the low mass end revealed in IRAS16253-2429	Yusuke Aso
	19	C I Traces the Disk Atmosphere in the IM Lup Protoplanetary Disk	Charles Law

	20	ALMA reveals resolved gas and dust at 100 pc resolution in the most gas-rich, starbursting galaxies	Kevin Harrington
	21	IFU Trio of JWST x ALMA x MUSE: Diving into an Early Galaxy at $z=6$ Down to 20-80pc Scales In and Out	Seiji Fujimoto
	22	Hidden Below the Dust: Serendipitous Discovery of a Strongly Lensed High- $z$ Galaxy Behind Milky Way C	Belén Alcalde Pampliega
	23	The CRISTAL Survey: Study of individual [CII] sizes and haloes of star-forming galaxies at $z=4-5$	Ryota Ikeda
	24	Turbulence and dynamics of $z \sim 4.5$ disc galaxies	Fernanda Roman de Oliveira
	25	Boosting ALMA's efficiency in two key science drivers towards the next decade	Tom Bakx
Poster flash session			
15:40 – 15:55	26	$z$ -GAL - A NOEMA Redshift Survey of Bright Herschel Galaxies	Pierre Cox
	27	The Evolution of the Molecular Gas Mass Budget in the Universe	Victoria Bollo
	28	Studying a Highly Magnified Lensed Galaxy at $z \sim 2.8$ with ALMA	Carla Cornil-Baiotto
	29	Neutral gas content in the ISM at the cosmic noon: a millimeter assessment	Hugo Messias
	30	ALMA Lensing Cluster Survey: Joint exploration with JWST into NIR-dark, Intrinsically Faint ALMA Sources at $z=2-5$	Akiyoshi Tsujita
	31	High noon for cosmic giants: beacons for massive galaxy formation from South Pole Telescope protocluster cores	Nikolaus Sulzenauer
	32	Discovery of a massive, highly star-forming and morphologically complex ULIRG at $z = 7.31$ with ALMA	Alex Hygate
	33	The molecular gas ISM properties in typical gas-rich star-forming galaxies at $z \sim 1.5$	Juan Molina
	34	Statistical Study of the Star Formation Efficiency in Gas-rich Bars	Fumiya Maeda
	35	Studying the X-ray corona with ALMA in Super Massive Black Holes	Chin-Shin Chang
	36	A Comprehensive ALMA Study of Mm-wave Continuum Emission from Hard X-ray Selected Nearby AGNs	Taiki Kawamuro
	37	Resolving supermassive black hole feeding and feedback down to sub-parsec scales	Takuma Izumi
	38	Isotopologue Ratios Through the Eyes of ALMA: Do They Measure Starburst Age or IMF?	Joshua Butterworth

## Tuesday, 5<sup>th</sup> of December

### Poster flash session

12:05 – 12:35	39	Mm/submm Energy Diagnostics & Non-LTE Modeling of the AGN-Starburst Composite Galaxy NGC 7469 with ALMA	Suzuka Nakano
	40	Complex organic molecules at Mpc distances. Results from ALCHEMI Large Program	Sergio Martin
	50	The molecular gas content of the highest redshift galaxy imaged in HI: resolving the bar in a $z=0.376$ CHILES detected galaxy	Jennifer Donovan Meyer
	41	The EDGE-ACA survey: The Star Formation Activity Across the Green Valley	Vicente Villanueva
	42	Negative AGN feedback in NGC 1068: The Kinematics, Chemistry, and Cloud Properties	Toshiki Saito
	43	Probing AGN Molecular Torus via Emission, Absorption, and polarization	Seiji Kamenno
	44	Observing AGN fuelling via molecular absorption lines	Tom Rose
	45	Supermassive Black Hole Pairs at separations $<1$ kpc and their role in black hole growth	Macarena Droguett
	46	ALMA Confirmation of Millimeter Time Variability in the Gamma-Ray Detected Seyfert Galaxy GRS 1734-292	Tomonari Michiyama
	47	Tracing the shock history of the molecular gas in nearby galaxies with ALMA	Ko-Yun Huang
	48	Closing the feedback-feeding loop of the radio galaxy 3C 84	Tom Oosterloo
	49	Evidence for increased star formation in the centres of barred galaxies	Jennifer Laing
	52	ALMA Studies of Eruptive stars	Antonio Halesfx
	53	The CoCCoA Project: Unbiased Line Surveys of Complex Molecules in High Mass Cores	Brett McGuire
	54	Star formation and molecular gas observations of NGC 5331 with ALMA and VLA	Devaky Kunneriath
	55	Multi-phase view of the ISM in the Carina Nebula	David Rebolledo
	56	Tracking the decay of the January 2015 accretion outburst in the massive protostar NGC6334I-MM1B	Todd Hunter
	57	Unlocking the Potential of the Most Definitive Molecular Tracer of UV-Enhancement: I-C <sub>3</sub> H <sup>+</sup>	Andy Lipnicky
	58	Chemical Diagnostics for Tracing the Physical Structures in Disk-Forming Regions of Young Low-Mass Protostellar Sources	Yoko Oya
	59	Exploring the Relationship Between Filaments and Star Formation: Insights from the INFANT Survey	Yu Cheng
60	The extremely sharp transition between molecular and ionized gas in the Horsehead nebula revealed by ALMA.	Claudio Hernández-Vera	
7	The ALMA Program Management Group and the ALMA Data Acquisition Process.	Juan Cortes	

## Wednesday, 6<sup>th</sup> of December

### Poster flash session

12:05 – 12:35	113	ALMA High Frequency Long Baseline Capability Tests in Bands 8-10	Yoshiharu Asaki
	114	Using the ESO-Allegro Phase RMS database to help push towards more High Frequency observations	Luke Maud*
	115	The Per-Source Observation (PSO) approach for monitoring amplitude calibrators	Matias Radiszcz
	65	Exploiting the Fourier space: advanced usage of ALMA data	Iván Martí-Vidal
	66	Baseline position measurements during Cycle 7 Long Baseline	Cristian Lopez
	67	AMAPOLA: ALMA Polarization Monitoring for Calibrator Sources	Seiji Kamenno
	68	ALMA's search for clean OFF positions for TP projects	Celia Verdugo
	69	Planning for the Future of ALMA: the Wideband Sensitivity Upgrade	Jennifer Donovan Meyer
	70	Revealing the dynamics of Venus' upper atmosphere with submillimeter observations	Hideo Sagawa
	71	Caught in the act: born-again stars captured by ALMA	Suzanna Randall
	72	Betelgeuse after the great dimming - 8mas images with ALMA	Bill Dent
	73	An ACA spectral survey at 3 and 1.3 mm in a sample of AGB/post-AGB stars	Luciano Cerrigone
	74	A Close-Up View of the Most Recent Common Envelope Systems	Daniel Tafoya
	75	Water masers map the complexity of mass loss from evolved stars	Anita Richards
	76	Nonthermal radio variability in protostars with the VLA, ALMA, and the VLBA	Jaime Vargas-González
	77	Simulating Molecular Gas Emission in Prestellar Cores with Radiative Transfer Modelling	Evgenia Koumpia
	78	Spatial distribution of acetaldehyde in Orion KL: observations and chemical modeling	Miwaha Jin
79	The Formation of High-mass Binary Systems	Patricio Sanhueza	
80	The potential of sulfur-bearing species to trace accretion/ejection processes in young protostars	Elizabeth Artur de la Villarmois	

	81	Formamide formation in Star forming regions - an updated view	Veronica Allen
	82	Network of filamentary structures and cluster formation in Corona Australis revealed with ALMA	Kengo Tachihara
	83	Extremely dense and enigmatic prestellar core G208.68-19.92-N2 in the Orion Molecular Cloud 3	Naomi Hirano
	111	Dust In The Wind: An ALMA search for dust in the outflow of the HH212 class 0 protostellar system	Adele Plunkett
	84	ALMAGAL First Results: Robust temperatures and luminosities of cores in a thousand high-mass cluster-forming regions	Beth Jones**
	85	An ALMA View of Dense Filamentary Fan-shaped Molecular Clouds in the Large Magellanic Cloud: Detailed Velocity Field Analysis and Comparison to an MHD Simulation	Rin Yamada
	86	Massive star formation scenario in the LMC probed by the ALMA-ACA Molecular Cloud Survey: promoting synergies with X-ray Observations	Kisetsu Tsuge

\* Poster 114 - Luke Maud's poster: Carlos De Breuck will present on his behalf

\*\*Poster 84 - Beth Jones' poster: Peter Schilke will present on her behalf.

## Thursday, 7<sup>th</sup> of December

### Poster flash session

12:00 – 12:30	87	Providing Evidence of Gravitational Instability on planetary scales in an FU Orionis Disk	Philipp Weber
	88	Lines analysis in the Ophiuchus molecular cloud: Gas in the ODISEA survey.	Camilo González Ruilova
	89	Probing Dust in Young Protoplanetary Disks through ALMA's High-Resolution Imaging and Polarization	Zhe-Yu Lin
	90	Multi-frequency analysis of protoplanetary discs in the Ophiuchus star-forming region	Prachi Vaijanath Chavan
	91	Thermal and chemical changes in planet-forming environments in numerical simulations, a possible new path for planet-hunting with ALMA.	Felipe Alarcón
	92	Probing the physical structures of streamers accreting to the disk around IRAS 16544-1604 by using various molecular lines	Miyu Kido
	93	Investigating the Origin of Gas in the Debris Disk around HD121617 using ALMA Observations	Aoife Brennan
	94	Is grain growth taking place around the young Cosmic Pretzel?	Carolina Agurto
	95	The deepest view of the molecular gas in a star-forming galaxy at cosmic noon ( $z \sim 2$ )	Sebastián Arriagada Neira
	96	Building on the archives: Connecting the CN/CO intensity ratio with global properties in nearby U/LIRGs	Blake Ledger
	97	Molecular gas in low metallicity galaxies	Monica Rubio
	98	Probing Massive Star Cluster Formation and Feedback in an Extragalactic Central Molecular Zone with ALMA and JWST	Jiayi Sun
	99	A Multi-Scale Picture of the Magnetic Field and Gravity in the High-Mass Star-Forming Region W51	Patrick Koch
	100	The first joint ALMA/X-ray monitoring of a radio-quiet AGN: understanding the origin of the compact	Elena Shablovinskaya
	101	ALMA's resolved view of molecular cloud structure beyond the Milky Way	Eric Koch
	102	Extended Thermal Bremsstrahlung in AGN Hosts as a New Probe of Negative Feedback	Shinya Komugi
103	Roadmap of ALMA in Event Horizon Telescope observations	Venkatessh Ramakrishnan	
112	VLBI with ALMA: Past, Present and Future	Hugo Messias	

104	Unveiling Sizes of Compact AGN Hosts with ALMA	Yu-Yen Chang
105	APEX Observations of the 752 GHz water line in low redshift ULIRGs	Daysi Quinatoa
106	Star Formation along the merger sequence in LIRGs: the case of Arp 240.	Alejandro Saravia
107	The last and the next decade of ALMA observations of radio galaxies around Cosmic noon	Carlos De Breuck
109	Giant molecular clouds and their Type classification in M74	Fumika Demachi
110	A BRAIN study to tackle imaging with artificial intelligence in the ALMA2030 era.	Fabrizia Guglielmetti*

\*Poster 110 – Fabrizia Guglielmetti's poster: Colleague will present on her behalf.