

## MAYA 2022 : Meeting of ALMA Young Astronomers

### MORNING SESSION

CET	Wednesday, March 2nd	Thursday, March 3rd	Friday, March 4th
08:40 - 09:00	<i>Starting and testing Zoom</i>	<i>Starting and testing Zoom</i>	<i>Starting and testing Zoom</i>
09:00 - 09:10	<i>Announcement</i>	<i>Announcement</i>	<i>Announcement</i>
09:10 - 09:20	<i>Tracing pebble dynamics with chemistry in protoplanetary disks</i> by <b>Ardjan Sturm</b>	<i>Charting Circumstellar Chemistry of Carbon-rich AGB stars</i> by <b>Ramlal Unnikrishnan</b>	<i>RXC-J2014.8-2430, the strongest cool core galaxy cluster in REXCESS: How the hot intracluster medium affects the cold molecular gas in and around the brightest cluster galaxy</i> by <b>Joshiwa van Marrewijk</b>
09:20 - 09:30			
09:30 - 09:40	<i>The complex multi-scale structure in simulated and observed emission maps of the proto-cluster cloud G0.253+0.016</i> by <b>Maya Petkova</b>	<i>A search for Galactic Center transients in 230 GHz ALMA observations</i> by <b>Alejandro Mus</b>	<i>How well can we determine the kinematics of high-z galaxies?</i> by <b>Madeleine Yttergren</b>
09:40 - 09:50			
09:50 - 10:00	<i>Molecular spectroscopy across nearby star-forming disc galaxies</i> by <b>Ivana Beslic</b>	<i>The chemical footprint of AGN feedback in the outflowing circumnuclear disk of NGC1068</i> by <b>Ko-Yun Huang</b>	<i>Rivers in the sky: streamers discovered towards two Class I sources in Perseus</i> by <b>Maria Teresa Valdivia Mena</b>
10:00 - 10:10			
10:10 - 10:20	<i>A 3D kinematic view of disc galaxies at z~4.5 with ALMA</i> by <b>Fernanda Roman de Oliveira</b>	<i>Resolving Cold Gas at Cosmic Noon</i> by <b>Melanie Kaasinen</b>	<i>Unveiling nascent stars with sulfur-bearing molecules</i> by <b>Tanya Kushwahaa</b>
10:20 - 10:30			
10:30 - 10:35		<i>Quiz Session 2</i>	<i>Quiz Session 4</i>
10:35 - 10:40	<i>Break</i>	<i>Break</i>	<i>Break</i>
10:40 - 10:50			
10:50 - 11:00	<i>REBELS LP: Insights into the Physical Properties of Massive Galaxies during the Epoch of Reionization</i> by <b>Sander Schouws</b>	<i>The role of major mergers in the galaxy mass-assembly as revealed by the ALPINE-ALMA [CII] survey</i> by <b>Michael Romano</b>	<i>Optical analysis of the ALMA Band 9 Front End for a possible upgrade</i> by <b>Sabrina Realini</b>
11:00 - 11:10			
11:10 - 11:20	<i>ALMACAL IX: Number counts in ALMA bands 4–7, and the resolved fractions of the cosmic infrared background</i> by <b>Jianhang Chen</b>	<i>Characterisation of molecular outflows in ULIRGs using ALMA</i> by <b>Isabella Lamperti</b>	<i>Chemical Substructures in Protoplanetary Disks: Results from the MAPS ALMA Large Program</i> by <b>Charles Law</b>
11:20 - 11:30			
11:30 - 11:40	<i>Do CO isotopologues point to IMF variation in starburst galaxies?</i> by <b>Matthew Doherty</b>	<i>Galaxy formation, ICM heating and AGN feedback: the turbulent youth of a proto-cluster at z=1.7</i> by <b>Quirino D'Amato</b>	<i>Formaldehyde deuteration in the VLA1623-2617 protostellar cluster with ALMA</i> by <b>Seyma Mercimek</b>
11:40 - 11:50			
11:50 - 12:00	<i>HCO+ and the effect of mixing in supernovae</i> by <b>Holly Davies</b>	<i>The hunt for high-mass prestellar cores</i> by <b>Elena Redaelli</b>	<i>Morpho-kinematics around cool evolved stars: unveiling the underlying companions</i> by <b>Ileyk El Mellah</b>
12:00 - 12:10			
12:10 - 12:20	<i>Complex molecules in eruptive young stellar objects</i> by <b>Fernando Cruz Saenz de Miera</b>	<i>The SVS 13 Protobinary System: Two Circumstellar Disks and a Spiraling Circumbinary Disk in the Making</i> by <b>Ana Karla Diaz Rodriguez</b>	<i>Unveiling the nature of 11 DSFGs @ z~2 : the crucial role of spatially-resolved ALMA images</i> by <b>Lara Pantoni</b>
12:20 - 12:30			
12:30 - 12:35		<i>Conference Photo (session 1)</i>	

**AFTERNOON SESSION**

CET	Wednesday, March 2nd	Thursday, March 3rd	Friday, March 4th
14:00 - 14:10	<i>Invited talk: ALMA: joys and tribulations in building a transformational observatory</i> by <b>Leonardo Testi</b>	<i>Supporting your ALMA science: what the ARC network can offer you?</i> by <b>Violette Impellizzeri</b>	<i>Uncovering the physics of star formation in the Epoch of Reionization with [CII] 158 <math>\mu</math>m and [OIII] 88 <math>\mu</math>m</i> by <b>Joris Witstok</b>
14:10 - 14:20			<i>PHANGS-ALMA: Vertical Scale Height of the Molecular ISM in Nearby Disk Galaxies</i> by <b>Jiayi Sun</b>
14:20 - 14:30	<i>A study of sunspot 3 minute oscillations using ALMA and GST</i> by <b>Yi Chai</b>	<i>A New Window on Relativistic Transients with ALMA</i> by <b>Tanmoy Laskar</b>	<i>Gas Kinematics around the High-Mass Prestellar Core Candidate G11.92-0.61 MM2</i> by <b>Suinan Zhang</b>
14:30 - 14:40			<i>ALMA and Spectroscopic Inversions: What Can We Learn?</i> by <b>Ryan Hofmann</b>
14:40 - 14:50	<i>V1309 Sco: A Rosetta stone in the study of stellar mergers</i> by <b>Thomas Steinmetz</b>	<i>The Characterization of the Dust Content in the Ring Around Sz 91: Indications of Planetesimal Formation?</i> by <b>Karina Mauco</b>	Conference Photo (session 2)
14:50 - 15:00			<i>Evidence for Gaseous Halos Around AGN at Cosmic Noon from ALMA CO(3-2) Observations</i> by <b>Gareth Jones</b>
15:00 - 15:10	Quiz Session 1	Quiz Session 3	Break
15:10 - 15:20	Break	Break	Break
15:20 - 15:30	Break	Break	Break
15:30 - 15:35	Break	Break	Break
15:35 - 15:40	Break	Break	Break
15:40 - 15:50	Break	Break	Break
15:50 - 16:00	<i>High-resolution gas and dust of the first QSOs</i> by <b>Roberta Tripodi</b>	<i>Exploring solar chromospheric dynamics with ALMA</i> by <b>Momchil Molnar</b>	<i>Survival of ALMA rings in the absence of pressure maxima</i> by <b>Haochang Jiang</b>
16:00 - 16:10	<i>Giant molecular clouds in the bulge of the lenticular galaxy NGC1387</i> by <b>Eric Liang</b>	<i>GalaPy: a novel Python tool for modelling galaxy SEDs constraining the dust role with ALMA</i> by <b>Tommaso Ronconi</b>	<i>ALMA variability study in YSOs: First systematic search for millimeter flares in protostars</i> by <b>Jaime Vargas Gonzalez</b>
16:10 - 16:20	<i>The chemical nature of Orion protostars: Are ORANGES different from PEACHES?</i> by <b>Mathilde Bouvier</b>	<i>The Morpho-Kinematic Architecture of Super Star Clusters in the Center of NGC253</i> by <b>Rebecca Levy</b>	<i>The ALMA (sub-)kpc scale view of local radio galaxies</i> by <b>Ilaria Ruffa</b>
16:20 - 16:30	<i>Simulations of ALMA observations</i> by <b>Francesca Bonanomi</b>	<i>High resolution spectral imaging of CO(7-6), [CI](2-1) and continuum of three high-z lensed dusty star-forming galaxies using ALMA</i> by <b>Gayathri Gururajan</b>	<i>High resolution ALMA study of CO(2-1) line and dust continuum emissions from cluster galaxies at z=1.46</i> by <b>Ryota Ikeda</b>
16:30 - 16:40	Quiz winners	Quiz winners	Quiz winners
16:40 - 16:50	Quiz winners	Quiz winners	Quiz winners
16:50 - 17:00	Quiz winners	Quiz winners	Quiz winners
17:00 - 17:10	Quiz winners	Quiz winners	Quiz winners
17:10 - 17:20	Quiz winners	Quiz winners	Quiz winners
17:20 - 17:30	Quiz winners	Quiz winners	Quiz winners
18:00 - 20:00	Social event	Social event	Social event