

INTERSTELLAR: THE MATTER

CONFERENCE SCHEDULE

Last updated 11 May 2018

MONDAY 14th

9:00 - 9:10	Welcome
9:10 - 9:35	Young Stellar Objects in the Outer Galactic Plane: the I ~ (102° - 109°) field Aleksandra Solarz • National Centre for Nuclear Research
9:35 - 10:00	ALMA Reveals A Collision Between Protostellar Outflows in BHR71 Luis Zapata • IRyA UNAM
10:00 - 10:25	Kinematics and fragmentation in Galactic filaments: An ALMA view Sandra Patricia Treviño-Morales • Onsala Space Observatory/Chalmers University of technology
10:25 - 10:50	Infall signature in a very young protostellar core in L1287 Robert Estalella • Universitat de Barcelona
10:50 - 11:15	Filamentary Accretion Flows in the IRDC M17 Swex Vivien Chen • National Tsing Hua University
COFFEE BREAK / POSTER SESSION	
11:40 - 12:05	A view of the maternities of massive stars with ALMA Guido Garay • Universidad de Chile
12:05 - 12:30	GGD 27 MM1: is it an archetype of an accretion disk around a massive YSO? José Ignacio (Nacho) Añez • Institut de Ciències de l'Espai (ICE, CSIC)
12:30 - 12:55	A multi-phase and multi-scale view of the ISM in the Carina Nebula David Rebolledo • National Radio Astronomy Observatory - Joint ALMA Observatory
12:55 - 13:20	System IMF of the 25 Orionis Stellar Group Genaro Suárez • Instituto de Astronomía-Ensenada, UNAM
LUNCH BREAK	
17:00 - 17:25	The Proper Motions of the Double Radio Source n in the Orion BN/KL Region Luis Felipe Rodríguez • Instituto de Radioastronomía y Astrofísica, UNAM
17:25 - 17:50	The dynamics of the Orion Fingers Pedro Rubén Rivera Ortiz • Instituto de Ciencias Nucleares UNAM
17:50 - 18:15	Studying the compact radio source population associated with star forming regions Josep Maria Masqué Saumell • Departamento de Astronomía (Universidad de Guanajuato)
18:15 - 18:45	Poster Presentations
COFFEE BREAK / POSTER SESSION	

TUESDAY 15th

9:00 – 9:25	Herbig-Haro Flows from Multiple Stellar Systems Bo Reipurth • University of Hawaii
9:25 – 9:40	A polarization study of a precessing HH jet (15min) Manuel de Jesús Chimal Hernández • ICN-UNAM
9:40 – 10:05	Variable Herbig-Haro jets Alejandro Raga • Instituto de Ciencias Nucleares, UNAM
10:05 – 10:30	Resolving the polarized dust emission of the disk around the massive star powering the HH 80-81 radio jet Manuel Fernández López • Instituto Argentino de Radioastronomia
10:30 – 10:45	Morphology of HH34 from Spitzer images (15min) Dulce Isabel Gonzalez • Universidad de las Americas Puebla
COFFEE BREAK / POSTER SESSION	
11:15 – 11:40	Water Fountains as Signposts of the Onset of the Planetary Nebula Phase José María Torrelles • Institut de Ciències de l'Espai (CSIC-IEEC)
11:40 – 12:05	Studies of star formation in the Orion Star Forming Complex Jesús Hernández • Instituto de Astronomía, UNAM, Ensenada
12:05 – 12:30	Runaways and weather vanes: the shapes of stellar bow shocks William Henney • IRyA-UNAM
12:30 – 12:55	KIMYA, a code for solving chemical reaction networks in astrophysics Antonio Castellanos • ICN, UNAM
LUNCH BREAK	
17:00 – 17:25	Tiny protoplanetary disks as possible precursors of compact exoplanet systems Guillem Anglada • Instituto de Astrofísica de Andalucía (CSIC)
17:25 – 17:50	Bi-abundance models of planetary nebulae NGC 6153 Verónica Gómez Llanos Sandoval • Instituto de Astronomía, UNAM
17:50 – 18:15	The role of SiO in dust formation and mass loss processes of evolved O-rich stars. A study of the circumstellar envelopes of IK Tau and IRC+10011. Juan Luis Verbena Contreras • Instituto de Física Fundamental (CSIC)
18:15 – 18:40	3D hydrodynamical models of the planetary nebula H1-67 Jackeline Suzett Rechy García • Instituto de Astronomía
COFFEE BREAK / POSTER SESSION	

WEDNESDAY 16th

9:00 – 9:25	The X-ray temperature of hot gas in diffuse nebulae Jane Arthur • IRyA-UNAM
9:25 – 9:50	MHD simulations of bilateral SNRs Pablo Velázquez • Instituto de Ciencias Nucleares, UNAM
9:50 – 10:15	The Impact of Galactic Environments on Star-Formation as Seen by SITELLE Laurie Rousseau-Nepton • Canada-France-Hawaii Telescope Corp.
10:15 – 10:30	Properties of dust in circumstellar gas around Wolf-Rayet stars Palmira Jiménez Hernández • Instituto de Radioastronomía y Astrofísica, UNAM
10:30 – 10:55	Are stellar clustering properties primordial? Clues from extinction maps Carlos Gerardo Román Zúñiga • Universidad Nacional Autónoma de México
COFFEE BREAK / POSTER SESSION	
11:25 – 11:50	Kinetic Tomography and the Perseus Arm Joshua Peek • Space Telescope Science Institute
11:50 – 12:15	Stellar Feedback: White Dwarfs and the Initial-Final Mass Relation Jeffrey Cummings • Johns Hopkins University
12:15 – 12:40	The interstellar medium in galactic context: a diverse universality? Florent Renaud • Lund Observatory
12:40 – 13:05	Angular momentum in bipolar outflows: dynamic evolution model Alejandro López-Vázquez • IRyA-UNAM
13:05	CONFERENCE PHOTO
FREE AFTERNOON	

THURSDAY 17th

9:00 – 9:25	Cosmic Ray Propagation in Turbulent Magnetic Fields associated with Young Stellar Objects Fred Adams • University of Michigan
9:25 – 9:50	On the origin of density filaments in the turbulent interstellar medium Siyao Xu • University of Wisconsin-Madison
9:50 – 10:15	Understanding Turbulence-Regulated Star Formation as a Markov Process Evan Scannapieco • Arizona State University
10:15 – 10:40	Unveiling the 3D structure of the ISM Valeska Valdivia • Departement d'Astrophysique, CEA-Saclay
10:40 – 11:05	Magnetic field in filamentary molecular cloud associated to N49 bubble Devaraj Rangaswamy • Instituto Nacional de Astrofísica, Óptica y Electrónica (INAOE)
COFFEE BREAK / POSTER SESSION	
11:35 – 12:00	Magnetized Protoplanetary Disks Susana Lizano • IRyA-UNAM
12:00 – 12:25	Studying magnetic fields with statistics of velocity Alejandro Esquivel • ICN-UNAM
12:25 – 12:50	Mapping of the structure of the galactic magnetic field using the VGT and star light polarization Diego Gonzalez-Casanova • U. of Wisconsin - Madison
12:50 – 13:15	Magnetic fields in maser-emitting planetary nebulae Lucero Uscanga • University of Guanajuato
LUNCH BREAK	
16:00 – 16:25	Solving various SF puzzles through the collapsing-GMC paradigm Enrique Vázquez-Semadeni • IRyA-UNAM
16:25 – 16:50	Details of the principal star-forming cores in the centre of the Trifid nebula: From Herschel to the near-infrared Mauricio Tapia • Instituto de Astronomía, UNAM, Ensenada
16:50 – 17:15	NGC 604: The Northern Tarantula Nebula seen by NEFER Margarita Rosado • Instituto de Astronomía, UNAM
COFFEE BREAK / POSTER SESSION	
17:30 – 18:00	DISCUSSION PANEL

FRIDAY 18th

9:00 – 9:25	Evidence of a temperature problem in the NLR similar to that of HII regions Luc Binette • Instituto de Astronomía, UNAM
9:25 – 9:50	On the ionizing source of the bubble population in the spiral galaxy M81 Divakara Mayya • INAOE
9:50 – 10:15	A Turbulence Study of Two Giant HII Regions in NGC 6822 Hector Castañeda • ESFM-IPN
10:15 – 10:40	Does star formation induce metallic winds in dwarf galaxies? Liliana Hernández-Martínez • ICN-UNAM
10:40 – 10:55	A study of turbulence in Extragalactic HII Regions (15 min) Javier García Vázquez • ESFM-IPN
COFFEE BREAK / POSTER SESSION	
11:25 – 11:50	Arp 70: An interacting galaxy with extreme outflows Artemi Camps Fariña • ICN-UNAM
11:50 – 12:05	Study of thermal neutrinos in short gamma-ray bursts Gibrán Morales Rivera • Instituto de Astronomía UNAM
12:05 – 12:30	Numerical models of compact supernova remnants Ary Rodríguez-González • ICN-UNAM
12:30 – 13:00	Concluding remarks

POSTERS

1. **Chemical abundances in NGC 346**
José Andrés Sixtos González • Instituto de Astronomía-UNAM
2. **Population Synthesis of Young Rotating Stars**
Maria Jaqueline Vasconcelos • LATO – UESC
3. **G339.88-01.26 revisited - a "winking" massive young stellar object**
Bringfried Stecklum • Thueringer Landessternwarte
4. **The Arecibo Observatory Spectral Line Survey of W51: Results from the C-Band Frequency Range**
Elluz Pacheco Cabrera • Universidad De Puerto Rico Recinto de Rio Piedras
5. **The heating efficiency and the star formation rate of the very young stellar clusters**
Luis Fernando Tapia • Instituto de Ciencias Nucleares – UNAM
6. **Hydrodynamical models of Proto-Planetary nebulae including the photoionization of the central star**
Diana Estrella • Instituto de Ciencias Nucleares
7. **Strongly Misaligned Triple System in SR24 Revealed by ALMA**
Manuel Fernández López • Instituto Argentino de Radioastronomía
8. **3D hydrodynamical simulations of colliding-wind binaries: the case of θ 1 Ori C**
Juan Claudio Toledo-Roy • Instituto de Ciencias Nucleares, UNAM
9. **A Hot Molecular Core in G12.21-0.10**
Miguel A. Trinidad • University of Guanajuato
10. **Asymmetries in young supernova remnants**
Alicia Moranchel • ESFM-IPN
11. **Torques on low-mass bodies in retrograde orbit in a gaseous disk**
Raúl Ortega Chametla • FCFM-UANL
12. **Anisotropy of velocity centroids and the impact of different MHD modes on turbulent ISM**
David Hernández Padilla • Instituto de Ciencias Nucleares, UNAM