

Posters

Physics and numerics for star formation

PNSF1	Timothée David-Cléris	SHAMROCK: a SPH & AMR multi-GPU code for high resolution simulations of discs & collapses
PNSF2	Elliot Lynch	A local model for the spherical collapse/expansion problem
PNSF3	Adnan Ali Ahmad	Birth of protostars and their inner disks in 3D simulations
PNSF4	Melisse Bonfand	In depth study of a rich population of young high-mass proto-stars unveiled by the emission of complex organic molecules
PNSF5	Hee-weon Yi	Dense cores in Orion complex: the physical and chemical probe of stellar feedback on cores in the Lambda Orionis cloud
PNSF6	Jesús Miguel Jáquez Domínguez	Simulated observations of star formation regions: infrared evolution of globally collapsing clouds
PNSF7	Todor Veltchev	Multiple power-law tails of the (column-)density distribution in evolving molecular clouds
PNSF8	Yuto Komichi	Chemistry of forming molecular clouds: Comparison with molecular absorption lines
PNSF9	Tai Withers	A complex ammonia spectral analysis of high-mass star-forming regions
PNSF10	Becky Arnold	Quantifying kinematic structure in star forming regions, and using it to shed light on star formation mechanisms
PNSF11	Daisei Abe	Growth of massive molecular filament by accretion flows: Origin of constant width
PNSF12	Javier Ballesteros-Paredes	Gravity or turbulence? Numerical simulations and GAIA observations of young stellar clusters
PNSF13	Emmett McFarlane	Data-driven closure models for compressible turbulence
PNSF14	Chloe Bosomworth	Observations of cloud-scale scatter in HII region metallicities and dependence on alpha-CO in the Andromeda galaxy
PNSF15	Jyotirmoy Dey	A study of ultracompact HII regions with extended emission: their importance, origin, and evolution
PNSF16	Padraic Odesse	The shield wall protecting star formation: Molecular hydrogen in galaxy simulations
PNSF17	David Whitworth	The effects of metallicity on X_{CO} and α_{CO} in dwarf galaxy simulations
PNSF18	Fiorella L. Polles	The electron density stratification in the nearby low metallicity galaxy IC10
PNSF19	Valeska Valdivia	Hub filament systems and how to make them

Star and galactic disc formation across redshift

RS1	Romain Lenoble	Simulations of early structure formation: the properties of halos hosting primordial star formation
RS2	Ryan Bagge	The MAGPI Survey: sources of gas kinematic asymmetries in ionised gas are not what you expect

Galactic disc formation and evolution

GD1	Filippo Barbani	Galactic coronae in Milky Way-like galaxies: the role of stellar feedback in gas accretion
GD2	Eva Duran Camacho	Self-consistent modelling of the Milky Way structure using live potentials
GD3	Celine Greis	Modelling molecular gas susceptibility to ram pressure stripping in Virgo cluster galaxies
GD4	Hector Robinson	Magnetized Galaxies: simulations and implications

Molecular cloud evolution		
MC1	Dana Alina	Automatized search for hub-filament systems in numerical simulations and observations
MC2	Jonathan Oers	Statistical analysis of the relative orientation between filaments and magnetic fields in star forming regions.
MC3	Jiancheng Feng	On the evolution of the observed mass to length relationship for hierarchical star-forming filaments
MC4	Ashley Bemis	Testing star formation models in extreme star-forming galaxies
MC5	Alex Green	Effects of star formation on boundedness in LMC
MC6	Hao He	Evolution of giant molecular clouds in nearby starburst mergers
MC7	Thomas Stanke	Molecular clouds roasted by starburst clusters
MC8	Vittoria Brugaletta	The multi-phase interstellar medium in low-metallicity environments
MC9	Helena Faustino Vieira	Parsec-scale extragalactic molecular clouds: high-resolution extinction mapping
MC10	Jakob Den Brok	Benchmarking high resolution low-J CO line ratios to accurately link molecular gas conditions and star formation
MC11	Stefan Meingast	Mapping water ice in nearby molecular clouds
MC12	Eltha yu-hsuan Teng	High star formation efficiency and low CO-to-H ₂ conversion factor in nearby barred galaxy centers
MC13	Sophia Stuber	Extensive cloud-scale mapping of dense molecular gas tracers in the nearby galaxy M51
MC14	Kanta Kitajima	An interstellar contrail created by a fast-moving massive object
MC15	Fumina Kita	Interactions between a fast moving massive object in the ISM: a method for detecting intermediate-mass black holes
MC16	Tony Wong	Stellar feedback shaping molecular gas near 30 Doradus
MC17	Jessica May Hislop	The role of stellar clustering in driving galactic outflows
MC18	Daniel Seifried	Magnetic fields in molecular clouds - impact on the dynamics and chemistry
MC19	Parisa Nozari	Investigating the evolution of dust grains within the Orion Molecular Cloud
MC20	Eric Moseley	Modeling the impact of MHD turbulence on dust velocity distributions

Isolated star formation: from brown dwarfs to massive stars		
ISF1	Lukas Kueß	Chemically peculiar stars in stellar associations
ISF2	Emma Mannfors	Morphology and fragmentation of a high-mass star-forming filament
ISF3	André Oliva	Modeling jets from massive protostars
ISF4	Nacho Añez-López	Magnetic field and gas, a sticky couple: synthetic observations and models to quantify magnetic braking
ISF5	Asmita Bhandare	Unraveling the effects of gas and dust dynamics during protostellar collapse

Initial Mass Function and Star Formation Rate		
IMF-SFR1	Michael Mattern	Understanding the star formation efficiency in dense gas with resolved submillimeter observations?
IMF-SFR2	Paolo Suin	Stellar feedback impact on the star formation-gas density relation
IMF-SFR3	Jan Orkisz	Densities and star formation rates in molecular clouds: towards a 3D view of local ISM
IMF-SFR4	Sanghyuk Moon	Collapse or dispersal? Understanding the physical processes in the formation and evolution of dense cores
IMF-SFR5	Noé Bruzy	From galactic dynamics to star formation: what sets the star formation rate?
IMF-SFR6	Víctor Almendros Abad	Is brown dwarf formation environment-dependent?
IMF-SFR7	Doris Arzoumanian	Insights on the Sun birth environment in the context of star-cluster formation in hub-filament systems
IMF-SFR8	Seamus Clarke	Cloud scale CO freeze-out in the giant molecular filament G214.5-1.8
IMF-SFR9	Orsolya Feher	Bridging the gap between local and extragalactic star formation: dense gas tracers in large galactic filaments

Protostellar disc formation and evolution		
PD1	Mario Giuseppe Guarcello	Stars and planets formation and early stellar evolution in starburst from the EWOCs project
PD2	Valentin Vallucci Goy	Dust evolution during the protostellar collapse
PD3	Benedetta Veronesi	How to weigh your protoplanetary disc (and not using a scale!)
PD4	Jonah Mauxion	Probing the secular evolution of embedded protoplanetary discs
PD5	Rossella Anania	The influence of the stellar formation environment: protoplanetary disc sizes are easily affected by external photoevaporation
PD6	Veli-matti Pelkonen	No star is an island: late accretion by low-mass stars
PD7	Aashish Gupta	Systematically studying the late-stage infall of material onto Class II disks
PD8	Shamus Tobin	Investigating annular substructure of IRS 63 using radiative transfer modelling
PD9	Ya-Wen Tang	Polarization in the GG Tau ring - confronting self-scattering, mechanical and magnetic alignment, spirals and grain drift

Cluster formation		
CF1	Ralph Pudritz	From the galaxy to stars: galactic multi-scale simulations of GMC and star cluster formation
CF2	Rachel Pillsworth	The effects of CNM environment on filament and star formation
CF3	Claude Cournoyer-Cloutier	Early evolution and 3D structure of embedded star clusters
CF4	Jeremy Karam	Modelling young massive cluster formation
CF5	Eric Giunchi	Young stellar clumps' morphology in the tails of ram-pressure stripped galaxies with HST
CF6	Chiara Mininni	Morphological comparison of molecular emission with continuum emission in ALMAGAL clumps
CF7	Rajika Kuruwita	The contribution of binary star formation via core-fragmentation on protostellar multiplicity
CF8	Dennis Lee	Relative orientation of the magnetic field and cloud structures in L1688 with HAWC+/SOFIA
CF9	Jakobus Vorster	Multi-scale dynamics and magnetic fields in the high-latitude molecular cloud MBM12
CF10	Suinan Zhang	Gas kinematics around the high-mass prestellar core candidate G11.92-0.61 MM2
CF11	Alena Rottensteiner	Empirical isochrones: an age-scaling ladder for nearby star clusters