Theoretical Insights into Star Formation: from the Early to the Present Day Universe

Tuesday 6 May 2025

Session 1a: Galactic Star Formation (1) (09:30 - 12:50)

time	[id] title	presenter
09:30	[55] The first steps of star and planet formation	Prof. CASELLI, Paola
10:00	[61] From Psuedodisk Formation in Magnetized Collapse to the Interplay with Multi-faced Outflow Phenomena	Dr SHANG, Hsien
10:20	[47] Characterizing the emission of molecular clouds using a sampling technique	TAFALLA, Mario
10:40	[76] Poster session (1)	
	- [1] From cosmic dust to planet formation: Building new dust models	CARPINE, Marie-Anne
	- [2] Investigating massive star formation with ALMAGAL: clump fragmentation statistics, compact source catalog and evolution of the core population	COLETTA, Alessandro
	- [3] From simulations to theory: revisiting star formation models in high-Mach environnement	BRUCY, Noé
	- [4] Outflow-Outflow interactions in binary and clustered protostars	Dr RIVERA-ORTIZ, Pedro R.
10:50	Coffee Break	
11:20	[16] Gas infall via accretion disk feeding Cepheus A HW2	SANNA, Alberto
11:40	[62] The accretion/ejection properties of Class 0 protostars studied with near-infrared spectroscopy	LE GOUELLEC, Valentin
12:00	[25] ALMAGAL: Evolutionary study of high-mass protocluster formation in the Galaxy	SANCHEZ-MONGE, Alvaro
12:20	[18] Rotation and angular momentum transport mechanisms in molecular clouds and filaments	ARROYO-CHAVEZ, Griselda
12:40	[83] Poster Session (2)	
	- [1] A mass invariant at the origin of the universality of the Core Mass Function?	DUMOND, Pierre
	- [2] Understanding Present-Day Low-Mass Star Formation Through Second-Collapse Calculations	AHMAD, Adnan Ali
	- [3] Dust evolution in prestellar dense cores	VALLUCCI-GOY, Valentin
	- [4] Testing Star Formation Models in Nearby Galaxies: A Focus on Dense Gas	BEMIS, Ashley
	- [5] eDisk: A Compact but Structured Keplerian Disk and Large-scale Streamers in the Class I Protostellar System IRAS 04169+2702	Dr HAN, Ilseung