



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

## Wednesday 7 May 2025

### Session 3: Magnetic Fields (11:10 - 17:00)

time	[id] title	presenter
11:10	[66] Magnetized star formation	GIRART, Josep M
11:40	[79] Formation and structure of magnetized protoplanetary disks	LIZANO, Susana
12:00	[44] Planets Formation via Gravitational Instability: Magnetic Fields, Opacity Limited Fragmentation, and the Mass Distribution	ADAMS, Fred
12:20	[53] Self-similarity of the magnetic field in G31.41+0.31 from cloud to circumstellar scales	BELTRÁN, Maite
12:40	[86] Poster Session (5)	
	- [1] The launching mechanism of protostellar winds via water masers	MOSCADELLI, Luca
	- [2] MHD Turbulence Unified Polarimetry and Zeeman Observations	LI, Hua-bai
	- [5] How Does a Protostar Form by Magnetized Gravitational Collapse?	DAS, INDRANI
	- [3] On the multiscale relationship between magnetic field strength and gas density in the ISM	WHITWORTH, David
	- [4] ISM Turbulence and Magnetic Fields as regulators of Star Formation	FALCETA-GONCALVES, Diego
	- [6] Resistive Collapse of 2D Non-rotating Magnetized Isothermal Toroids: Formation of Pseudodisk	WANG, Ya-Chi
12:50	Lunch	
14:30	[56] Origin of fossil fields in Ap/Bp-type stars	SCHLEICHER, Dominik
14:50	[9] Magnetic fields in prestellar cores: a new perspective from meter-wavelength radio data	BRACCO, Andrea
15:10	[49] Magnetized Clustered Star Formation in Orion	HUANG, Bo
15:30	Coffee break	
16:00	[4] Signatures of magnetic braking in Class 0 protostars: Exploring the gas kinematics in magnetized models of low-mass star formation	AÑEZ-LOPEZ, Nacho
16:20	[33] Dust Properties of Taurus Protostellar Twins in a Magnetized Environment	SATO, Asako
16:40	[5] Unveiling the magnetized path of massive star formation with MAGMA	LAW, Chi Yan