

“October in Paris” workshop series

ALMA, JWST, Gaia – the Milky Way connection

October 1-3, 2025 (3 days)
Salle du Conseil, Observatoire de Paris

SoC : Jonathan Bland-Hawthorn (Chair), Paola Di Matteo (co-Chair), Oscar Agertz, Misha Haywood, Chervin Laporte

LoC: Pierre Boldrini, Paola Di Matteo, Misha Haywood, Chervin Laporte, Anna Parul, Alexis Quintana



Observatoire
de Paris

PSL 



Oct 1st (Wed) - Early discs	Oct 2 (Thur) - Physics of gas-rich discs	Oct 3 (Fri) - Milky Way disc
9.30 - 10.00 REGISTRATION, WELCOME	9.30 - 10.00 Florent Renaud (Strasbourg) - Gas-rich mergers at high z	Friday Starting at 10.00
10.00 - 10.30 Camilla Nyhagen (Lund) - Discs forming in early chaos	10.00 - 10.30 Joss Bland-Hawthorn (Sydney) - Physics of gas-rich discs	10.00 - 10.30 Misha Haywood (Paris) - Old thick disc and its properties
10.30 - 11.00 Takafumi Tsukui (Tokyo) - The emergence of thick stellar discs from JWST	10.30 - 11.00 Victor Rufo-Pastor (Lund) When do we have a hot corona in place around the MW?	10.30 - 11.00 Vasily Belokurov (Cambridge) - Old thin disc and its properties
11.00 - 11.30 COFFEE BREAK	11.00 - 11.30 COFFEE BREAK	11.00 - 11.30 COFFEE BREAK
11.30 - 12.00 Oscar Agertz (Lund) - Early discs in VINTERGATAN simulation	11.30 - 12.00 Corentin Cadiou (Paris) - Early Milky Way in MEGATRON	11.30 - 12.00 Jesse van de Sande (New South Wales) - How common are alpha bimodal discs in the GECKOS survey? <i>Zoom</i>
12.00 - 12.30 Mahsa Kohandel (Pisa) - Early discs in TNG50/SERRA	12.00 - 12.30 Victor Debattista (Central Lancashire) - Clump formation and chemistry in early discs	12.00 - 12.30 Anna Parul (Paris) - Gas accretion and α -element bimodality in the FIRE-2 simulations
12.30 - 14.30 LUNCH	12.30 - 14.30 LUNCH	12.30 - 14.30 LUNCH
14.30 - 15.00 Juan Espejo Salcedo (Munich) - The emergence of m=1,2,3 modes in JWST discs	14.30 - 15.00 Francesca Fragkoudi (Durham) - Stellar bars in AURIGA	14.30 - 15.00 Matt Orkney (Barcelona)- How common are alpha bimodal discs in simulations?
15.00 - 15.30 Lucie Rowland (Leiden) - ALMA/JWST disc at $z > 7$	15.00 - 15.30 Alejandra Recio-Blanco (Nice) - Emergence of bars and spiral arms in simulated gas-rich discs	15.00 - 15.30 Sergey Khoperskov (Potsdam) - Reconstructing the Milky Way disc(s) with orbit superpositions: from present state to high-z
15.30 - 16.00 COFFEE BREAK	15.30 - 16.00 COFFEE BREAK	15.30 - 16.00 COFFEE BREAK
16.00 - 16.30 Angela Adamo (Stockholm) - Stellar clumps in JWST era	16.00 - 16.30 Floor van Donkelaar (Cambridge/UZH) - Stellar migration in early discs <i>Zoom</i>	16.00 - 16.30 Nils Ryde (Lund) - Chemical abundances of the inner regions of the Milky Way
16.30 - 17.00 Maxime Trebisch (Paris) - Simulating early discs	16.30 - 17.00 Hanyuan Zhang (Cambridge) - Stellar migration in gas-rich discs	16.30 - 17.00 Tristan Boin (Paris) - Forming the nuclear stellar disc
17.00 - 17.30 DISCUSSION	17.00 - 17.30 DISCUSSION	17.00 - 17.30 DISCUSSION/END WORKSHOP
	SOCIAL DINNER	