

Disc-ussion workshop

Venue: 4th Floor of New Horizons Building, Monash University (Clayton Campus), Melbourne, Australia

	Monday 15/07	Tuesday 16/07	Wednesday 17/07	Thursday 18/07	Friday 19/07
9.00-9.30	Registration	<u>Giuseppe Lodato</u> - Review on protoplanetary discs	<u>Valentin Christiaens</u> - How to directly image protoplanets?	<u>Simon Casassus</u> - Review on warps and disc kinematics	Discussion / collaboration
9.30-9.45	Daniel Price - Welcome	Discussion	Discussion	Discussion	
9.45-10.15	Daniel Price - What have we learnt from dynamical modelling of discs?	Rebecca Nealon - Can a flyby encounter form a misaligned disc?	Nienke van der Marel - Recent results	Christophe Pinte - Recent results on disc kinematics/kinks	J.F. Gonzalez - Porosity and dust grain growth
10.15-10.30	Discussion	Discussion	Discussion	Discussion	Discussion
10.30-11.00	Coffee	Coffee	Coffee	Coffee	Coffee
11.00-11.20	Matthew Bate - Recent results	Daniel Mentiplay - Super Earths and a Saturn in TW Hya	Josh Calcino - Dust and gas in IRS 48	Seba Perez - Recent results on disc kinematics/kinks	Chris Ormel - Recent results
11.20-11.40	Alison Young - Discs in the first hydrostatic core stage	Giulia Ballabio - Empirical Diagnostics of Protoplanetary Disc Winds	Maria Giulia Ubeira Gabellini - An heterogeneous SPHERE-IFS Survey of Nearby Herbig Ae/Be Stars: Are All Group I Disks Transitional? Are there any companion candidates detections?	Catherine Dougados - Recent results	Maxime Lombart - Implementing the Smoluchowski equation in PHANTOM
11.40-12.00	Malena Rice - The Case for a Large-Scale Occultation Network	Discussion	Lunch	Valentin Christiaens - The case of PDS 70	Nicolas Cuello - Recent results
12.00-12.20	Discussion	<u>Leonardo Testi</u> - Review of ALMA disc observations (MoCA seminar)	WORKSHOP EXCURSION (Phillip Island)	Discussion	Claudia Toci - Recent results
12.20-13.00	Discussion	Discussion		Discussion	Discussion
13.00-14.00	Lunch	Lunch		Lunch	Lunch
14.00-15.30	Daniel Price - PHANTOM tutorial / hands-on session / collaboration session *	Christophe Pinte - MCFOST tutorial / hands-on session ***		Valentin Christiaens - VIP Tutorial / hands-on session (calibration and reduction of direct imaging data) ****	Discussion / collaboration
15.30-17.00	Daniel Mentiplay - PLONK tutorial / hands-on session (python interface for SPH results)**	Discussion / collaboration	Discussion / collaboration	Discussion / collaboration	Discussion / collaboration
17.00-19.00	Wine and cheese evening				
19.00-late				WORKSHOP DINNER (Melbourne CBD, 19:00-late)	

Format for talks before 10:30 (reviews are underlined): 30min + 15min questions/discussion

Contributed talks format: 15min + 5min questions/discussion

* Requirements: See <https://bitbucket.org/danielprice/phantom/wiki/Home>

** Requirements: See <https://plonk.readthedocs.io>

*** Requirements: See <http://ipag.osug.fr/~pintec/mcfost/docs/html/installation.html> and <https://github.com/cpinte/pymcfost>

**** Requirements: Install VIP and dependencies as explained here: <https://github.com/vortex-exoplanet/VIP>