

SCIENTIFIC PROGRAMME

MONDAY, 27th June	
18:00-20:30	Registration
18:30-20:00	Welcome Cocktail
TUESDAY, 28th June	
09:00-09:30	The contribution of TNG to the study of very low-mass stars (E. Oliva)
SESSION 1: Low-Mass Cores and Protostars	
Chair: S. Goodwin	
09:30-10:00	Submillimetre observations: Forming tiny objects in-situ (J. Greaves)
10:00-10:20	Low-luminosity protostars with Spitzer (J. Kauffmann)
10:20-10:40	How to identify the youngest protostars (D. Stamatellos)
10:40-11:00	Coffee-break
11:00-11:30	Observational constraints on the initial conditions for ultralow-mass star formation (P. Andre)
11:30-12:00	Embedded substellar candidates and their environments (T. Huard)
12:00-12:20	Searching for proto-brown dwarfs (K. Covey)
12:20-16:30	Lunch break
SESSION 2: Substellar T Tauri Analogs	
Chair: D. Barrado y Navascues	
16:30-17:00	T Tauri phase of young brown dwarfs (R. Jayawardhana)
17:00-17:30	Catching them young: accretion in brown dwarfs down to nearly planetary masses (S. Mohanty)
17:30-17:50	Rotation and variability of young very low-mass objects (A. Scholz)
17:50-18:20	Models of brown dwarfs: cloud formation and the MLTY spectral transition (F. Allard)
18:20-20:00	Poster Session
WEDNESDAY, 29th June	
SESSION 3: ULM Formation Models and Simulations	
Chair: S. Viti	
09:00-09:30	The formation of brown dwarfs (A. Whitworth)
09:30-10:00	ULM formation in turbulent clouds (P. Padoan)
10:00-10:20	Ejections and the distribution of brown dwarfs (S. Goodwin)
10:20-10:40	Convective radiation fluid-dynamics: Formation and early evolution of ultra-low-mass objects (G. Wuchterl)
10:40-11:00	Interaction between a hot Jupiter and its parent star (P.G. Gun)
11:00-11:30	M dwarfs: planet formation and long-term evolution (F. Adams)
11:30-11:50	Triggered planet formation in young stellar clusters (I. Thies)
11:50-	Visit to the Observatorio del Roque de Los Muchachos
THURSDAY, 30th June	

SESSION 4: Fundamental Properties of Brown Dwarfs**Chair: R. Rebolo**

09:00-09:30	The physical properties of very young brown dwarfs (G. Basri)
09:30-10:00	PoSSO-Physics of substellar objects: fundamental parameters (H. Jones)
10:00-10:30	Young jupiters are faint (J. Fortney)
10:30-11:00	Coffee-break and Poster Session
11:00-11:20	Calibrating models of ultra low mass stars (A. Reiners)
11:20-11:50	AB Dor C: Observational calibration of theoretical cooling curves for young low-mass objects (E. Nielsen)
11:50-12:20	Theoretical modelling of optical and IR spectra of brown dwarfs and ultracool dwarfs (Y. Pavlenko)
12:20-12:50	Brown dwarf variability-expectations and current results (B. Goldman)
12:50-13:10	Abundances in Stars with Exoplanets (G. Israelian)
13:10-13:20	Law of the Sky: Problems and benefits in its application (J. Díaz Castro)
13:20-15:00	Lunch break

SESSION 5: Brown Dwarfs in Binaries**Chair: B.R. Oppenheimer**

15:00-15:10	Introduction of the Session (B.R. Oppenheimer)
15:10-15:40	On the origin and nature of brown dwarfs (P. Kroupa)
15:40-16:00	Very low mass stars in binaries: a theoretical look (E. Delgado)
16:00-16:20	The frequency of close binary systems among very low-mass stars and brown dwarfs (R. Jeffries)
16:20-16:40	Coffee-break
16:40-17:00	Theory and the brown dwarf binary GJ 569Bab (M.R. Zapatero Osorio)
17:00-17:30	A coronagraphic search for brown dwarfs and planets around nearby stars (T. Nakajima)
17:30-18:00	The low-mass co-moving companion of GQ Lup (E. Guenther)
18:00-18:30	Ultracool dwarf binaries (H. Bouy)
18:30-18:50	Low mass companions to white dwarfs (J. Farihi)
19:10-24:00	Closing Dinner at Patio del Vino & Visit to Bodegas Teneguía

FRIDAY, 1st July**SESSION 6: Brown Dwarfs in Clusters****Chair: M.R. Zapatero Osorio**

09:00-09:30	The Monitor project: searching for transiting brown dwarfs and planets in young open clusters (S. Hodgkin)
09:30-09:50	Confirming Trapezium cluster brown dwarfs with near-IR spectroscopy (G. Meeus)
09:50-10:10	The Lambda Orionis Star Forming Region: a multiwavelength approach to a very diverse environment (D. Barrado y Navascues)
10:10-10:40	Coffee-break and Poster session
10:40-11:10	Studies of the substellar population in the Taurus cloud (J. L. Monin)
11:10-11:30	12 new substellar members in Taurus, towards solving the brown dwarf deficit (S. Guieu)
11:30-11:50	Young brown dwarf candidates in the Serpens molecular cloud core (C. Eiroa)
11:50-12:20	The mass function of the young open cluster Collinder 359 (N. Lodieu)

12:20-12:40	The initial mass function in clusters (R. Rebolo)
12:40-13:10	The lower mass function of young open clusters: clues to (sub)stellar formation (E. Moraux)
13:10-13:30	Brown dwarfs candidates in the Coma open cluster (S. Casewell)
13:30-16:00	Lunch break
SESSION 7: Future Facilities and Surveys	
Chair: J.L. Monin	
16:00-16:30	Proper motion surveys in the infrared (N. Hambly)
16:30-16:50	NAHUAL: A high-resolution near-infrared spectrograph for the GTC optimised for studies of very low-mass stars and brown dwarfs (E. Martin)
16:50-17:10	The wide-field infrared survey explorer-WISE (A. Mainzer)
17:10-	Closing Remarks (R. Jameson)