Program

	Sunday	Monday	Tuesday	Wednesday
	08/07/2018	09/07/2018	10/07/2018	11/07/2017
	Day 1	Day 2	Day 3	Day 3
09:00 - 10:30		**Beth Biller (40):** Characterising Young Giant Exoplanet Atmospheres with Direct Imaging	**Giovanna Tinetti and Göran Pilbratt** (30): ARIEL - Science and overview of ESA's mission to study the nature of exoplanets	**Ingo Waldmann (40)**: Tau-REx and the intricacies of non-isothermal atmospheres
		Jasmina Blecic (20): Complex clouds in retrieval in the JWST era	**Marcell Tessenyi (30)**: Twinkle - a mission to unravel the story of planets in our galaxy	**Daniel Kitzmann (20):** The peculiar atmospheric chemistry of KELT-9b
		Vincent BOUDON (20): High-temperature emission spectra and updated calculated spectroscopic database of methane	**Allyson Bieryla (20):** The Tillinghast Reflector Echelle Spectrograph (TRES) is on the 1.5m Tillinghast Reflector at the Fred	**Mark Phillips (20):** Atmosphere models for cool brown dwarfs and giant exoplanets
		Richard Freedman (10): The Calculation of Atomic and Molecular Opacities for Astrophysical Applications	**Chloe Fisher (10):** Supervised Machine Learning for Analysing Spectra of Exoplanetary Atmospheres	**Ben Burningham (10):** Atmospheric retrievals across the LT transition using 1 - 15um spectroscopy
10:30 - 11:00		**Coffee break**	**Coffee break**	**Coffee break**
11:00 - 12:40		**Uffe Graae Jorgensen** (40): Self-consistent modelling of stellar and sub-stellar atmospheres.	**Masahiro IKOMA (40)**: Atmospheric spectra of highly irradiated low-mass exoplanets	**Karan Molaverdikhani (20):** Spectral decomposition: a method to classify exoplanets spectra
				Angelos Tsiaras (20): The legacy of HST/WFC3: a prototype for future population studies of exoplanets
		Robert Hargreaves (20): Future plans for HITEMP and extensions to the HITRAN broadening molecules	**Markus Meuwly (20):** Atomistic simulations for Energized Processes in the Gas Phase	**Sergey Yurchenko (40)**: The ExoMol project: progress and perspective
		Matthew Hooton (20): Excursions into inversions: first results from the QUB secondary eclipse campaign	**Joanna Barstow (20):** A comparison of exoplanet retrieval tools	
		Geronimo Villanueva (20): Planetary Spectrum Generator: an accurate online radiative transfer suite for exoplanets	**Jayne Birkby (20):** Exoplanet Atmospheres at High Spectral Resolution	
12:40 - 13:00				
13:00 - 14:00	**Arrival**	**Lunch**	**Lunch**	**Lunch**
14:00 - 15:20	**Jonathan Tennyson (20)**: Introduction	**Lalitha Sairam (20):** Red stars as blue planet hosts	**Visit of Windsor Castle**	
	Nathan Mayne(40): Exoplanetary Atmospheres in 3D: multidimensional processes and opportunities	**Katy Chubb(20):** ORBYTS (Original Research by Young Twinkle Students)		
	Stephanie Merritt(20): High-resolution spectroscopy for the confirmation of a temperature inversion in WASP-121b	**Kevin Heng (40):** An Overview of Exoplanetary Atmospheres Research at the University of Bern, Switzerland		
15:20 - 16:00	**Tea break**	**Tea break**		
16:00 - 17:40	**Clara Sousa Silva (20):** Molecular Simulations for the Spectroscopic Detection of Atmospheric Volatiles	**Laura McKemmish (20):** Hot Jupiters and Cool Stars Beware: A new TiO line list is here		
	Simon Grimm (20): HELIOS-K: The challenge of calculating opacity functions for 10^10 molecular lines	**Patricio Cubillos (20):** An Homogeneous Retrieval of Exoplanet Atmospheres		
	Paul Anthony Wilson (20): Signs of the β Pictoris b Hill Sphere Transit?	**Adam Burgasser (20):** The Spex Prism Library Analysis Toolkit: Tools for Characterizing Exoplanet Spectra		
	Olivia Venot (40): Improvements and developments in chemical modelling of exoplanet atmospheres	**Workshop/Discussions**		
17:40 - 18:00				
18:00 - 19:00	**Dinner**	**Dinner**	**Conference Dinner**	
19:00 - 20:00		**Poster Session**		
20:00 - 22:00	**Quiz**		**Fun time**	