The Milky Way and its high-redshift progenitors in theory and observations

Location: Hoyle Building Lecture Theatre

Monday 04.12.2023

13:30 - 13:40	Welcome	
13:40 - 14:10	Ricardo Schiavon	The contribution of destroyed globular clusters to the stellar mass budget of galaxies
14:10 - 14:30	Anke Ardern-Arentsen	The ancient, “high-redshift” inner Milky Way
14:30 - 14:50	Hanyuan Zhang	Do we have an early disc in the Milky Way?
14:50 - 15:10	Vasily Belokurov	Observational constraints on the disc emergence in the Milky Way
15:10 - 15:30	Sergey Koposov	What do streams tell us about the Milky Way?
15:30 - 16:00	Coffee break	
16:00 - 16:30	Robert Grand	The impact and signatures of mergers on disc and bar formation in simulated Milky Way-like galaxies
16:30 - 16:50	Eun-jin Shin	Star formation variability as a probe for the baryon cycle within galaxies
16:50 - 17:10	Sergio Martin-Alvarez	The interplay of magnetism, radiation and cosmic rays in dwarf galaxy formation
17:10 - 17:30	Discussion	led by Ricardo & Robert

Tuesday 05.12.2023

9:30 - 10:00	Freeke van de Voort	The impact of magnetic fields and cosmic ray feedback on Milky Way-mass galaxies and their gaseous haloes
10:00 - 10:20	Will McClymont	The nature of diffuse ionised gas in star-forming galaxies
10:20 - 10:40	Adam Dillamore	Taking the Milky Way for a spin: disc formation in the ARTEMIS simulations
10:40 - 11:00	Tibor Dome	Mini-Quenching Episodes in High-Redshift Progenitors of Milky Way-like Galaxies Across Four Galaxy Formation Models
11:00 - 11:30	Coffee break	
11:30 - 12:00	Hannah Übler	Kinematics and mass budgets of Milky Way progenitors
12:00 - 12:20	Lola Danhaive	Constraining early disc formation and galaxy kinematics with JWST
12:20 - 12:40	David Puskas	Constraining the merger history of high-z galaxies using JADES data
12:40 - 13:00	William Baker	Inside out growth in the early Universe: A core in a vigorously star-forming disc
13:00 - 14:00	Lunch	
14:00 - ...	Discussion	followed by hands-on work sessions