Small Galaxies, Cosmic Questions

29 July 2019 MONDAY 30 July 2019 TUESDAY 31 July 2019 WEDNESDAY 1 August 2019 THURSDAY 2 August 2019 FRIDAY

	MONDAY		TUESDAY
8:00 — 8:50 AM	Registration		
9:00 am	Welcome	9:00 am	Discussion Session (Gurtina Besla, Alis Deason, Andrew Pontzen)
9:10 am	Session 1 (Chair: Alis Deason)	9:30 am	Session 5 (Chair: Betsey Adams)
Alyson Brooks (20+5 min)	Darkness on the edge of town: Exploring simulated ultra-faint dwarf galaxies	Kareem El-Badry (12+3 min)	Gas kinematics of simulated dwarfs: Probes of feedback and star formation
Martin Rey (12+3 min)	The dynamical diversity of ultra-faint dwarfs galaxies	Shobita Satyapal (12+3 min)	Accretion Activity in Dwarf Galaxies: Key Diagnostic Tools
Azi Fattahi (12+3 min)	Missing dwarf galaxies around the Local Group	Christina Manzano-King (12+3 min)	AGN feedback in Dwarf Galaxies
Vasily Belokurov (20+5 min)	Antlia 2, the hidden giant	Sophie Koudmani (12+3 min)	The impact of AGN-driven outflows on simulated dwarf galaxies
10:30 am	Coffee	10:30 am	Coffee
11:00 am	Session 2 (Chair: Andrew Pontzen)	11:00 am	Session 6 (Chair: Josh Simon)
James Bullock (12+3 min)	How low does it go? The threshold halo mass for galaxy formation.	Evan Kirby (12+3 min)	The Physics of Type Ia Supernovae Revealed in Dwarf Galaxies
Andrew Graus (12+3 min)	How low does it go? Too few Galactic satellites with standard reionization quenching	Michelle Collins (20+5 min)	Fluffy, diffuse galaxies
Anna Nierenberg (12+3 min)	Measuring the low mass end of the halo mass function with narrow-line lensing	Anna Wright (12+3 min)	Low Surface Brightness Galaxies in the (Simulated) Wild
Alejandro Benitez- Llambay (12+3 min)	Probing LCDM with "dark" galaxies		a Geha, Alexandra Gregory, Geraint Lewis, as Longeard, Pol Massana
Calvin Sykes (12+3 min)	Dwarf galaxies on two scales: Fluorescent emission from local-Universe minihaloes, and statistical properties of the galaxy-HI absorber connection at z=3	Flash Talks: Matthew Orkney, Sanjaya Paudel, Rhys Poulton, Janet Preston, Ragadeepika Pucha, Daniella Roberts	
	Beale, Paul Bennet, Katie Chamberlain, lard D'Souza, Michele De Leo, Andres del Pino	12:25 pm	Lunch
12:30 pm	Lunch	1:55 pm	Session 7 (Chair: James Bullock)
2:00 pm	Session 3 (Chair: Denis Erkal)	Louis Strigari (20+5 min)	Dark matter properties of dwarf galaxies in the Gaia era
Jessie Hirtenstein (12+3 min)	Dynamical Effects of Stellar Feedback in Low Mass Galaxies at z ~ 2	Laura Chang (12+3 min)	Effect of binaries on dark matter estimates in dwarf galaxies
Justin Read (12+3 min)	Dark Matter Heats up in Dwarf Galaxies	Marla Geha (20+5 min)	The SAGA Project: Satellite Galaxy Populations Around Milky Way-like Galaxies
Anna Genina (12+3 min)	The distinct stellar metallicity populations in simulated Local Group dwarfs	Davide Massari (12+3 min)	Stellar 3D kinematics in dwarf spheroidal galaxies with Gaia+HST
Stacy Kim (12+3 min)	Completeness Corrections and the Small Scale Issues of the Milky Way		Sacchi, Matthew Smith, Salvatore Taibi, David Williamson, Zhen Yuan
Mark Lovell (12+3 min)	Star formation in alternative dark matter dwarfs: then and now	3:30 pm	Coffee
Flash Talks: Dhru Christoph Engler, I Fielder, Tobias Frit	ba Dutta Chowdhury, F. Sara Eftekhari, Raphael Errani, Ivanna Escala, Catherine z	4:00 pm	Session 8 (Chair: Alyson Brooks)
3:30 pm	Coffee	Giuliano Iorio (12+3 min)	The effect of tides on the Sculptor dSph
4:00 pm	Session 4 (Chair: Gurtina Besla)	Raffaele Pascale (12+3 min)	Models based on distribution functions of dwar spheroidal galaxies
Oliver Newton (12+3 min)	Robust constraints on the mass of the thermal relic warm dark matter particle	Isabel Santos Santos (12+3 min)	Key diagnostics in the diversity of dwarf galaxy rotation curve shapes: baryons, dark matter or non-circular motions?
Nitya Kallivayalil (20+5 min)	The Missing Satellites of the Magellanic Clouds: Testing LCDM Predictions on Small Scales	Kyle Oman (12+3 min)	The diversity of dwarf galaxy dark matter structure as traced using rotation curves
Ekta Patel (12+3 min)	Satellites of Satellites: LCDM Predictions for the Satellite Galaxy Population of M33		

9:00 am	Session 9 (Chair: Evan Skillman)	9:00 am	Discussion Session (Michelle Collins, Ryan Cooke, Brian Siana)
Tiffany Hsyu (12+3 min)	Searching for the Lowest Metallicity Galaxies	9:30 am	Session 11 (Chair: Kristen McQuinn)
Kristen McQuinn (12+3 min)	What's Happening in the Smallest of Star- Forming Galaxies?	Adam Smercina (12+3 min)	A Lonely Giant: The Sparse Satellite Population of M94 Challenges Galaxy Formation
Bethan James (12+3 min)	Exploring Star-formation & Inhomogeneity in Pristine Environments: IFU Studies of Metal- Poor Dwarf Galaxies	Sabrina Stierwalt (12+3 min)	Dwarf Galaxy Groups: A Unique Test of LCDM
Nimisha Kumari (12+3 min)	Chemical properties of Blue Compact Dwarf Galaxies: Local Analogues of High Redshift Galaxies	Ana Hidalgo- Gamez (12+3 min)	Chemical abundances of coloured galaxies
Claudia Scarlata (20+5 min)	Pushing the limits with extreme emission line galaxies	Francesca Annibali (12+3 min)	SSH: the quest for observational evidence of the hierarchical formation process at the smallest galaxy scales
10:25 am	Coffee	10:30 am	Coffee
10:55 am	Session 10 (Chair: Ryan Cooke)	11:00 am	Session 12 (Chair: Michelle Collins)
Dan Stark (20+5 min)	Spectroscopy of Dwarf Galaxies at High Redshift	Clare Higgs (12+3 min)	Exploring Dwarfs around the Local Group with the Solo Survey
Danielle Berg (12+3 min)	Extreme UV Emission: Clues from Reionization-Era Analogs	Betsey Adams (12+3 min)	The smallest gas-rich galaxies
Brian Siana (20+5 min)	Dwarf Galaxies in the Early Universe: Burstiness, Metals, Dust, and Ionizing Photon Production	Erik Tollerud (12+3 min)	Implications for Reionization of a Search for Local Group Dwarfs with HI and Optical: Is There a Missing dIrr Problem?
Dawn Erb (20+5 min)	Small galaxies, big halos: Lya emission in the CGM of low-mass galaxies at z~2	Sownak Bose (20+5 min)	Reionisation in the context of small-scale structure
Leopoldo Infante (12+3 min)	Lyman Alpha Galaxies in the Epoch of Reionization at z~7	Dan Weisz (20+5 min)	Connecting Local Group Dwarf Galaxies to Low-Mass Galaxies in the early Universe
12:40 pm	Lunch	12:35 pm	Lunch
2:00 pm	Free Afternoon	2:05 pm	Session 13 (Chair: Ryan Cooke)
7:00 pm	Conference Dinner (Durham Castle)	Josh Simon (12+3 min)	The Quenching of a Distant Milky Way Satellite
		John Wise (20+5 min)	Galaxy Formation during the Epoch of Reionization
		Louise Welsh (12+3 min)	A Window to the First Stars
		Else Starkenburg (20+5 min)	Signatures of the first stars in and from dwarf galaxies
		3:25 pm	Coffee
		3:55 pm	Session 14 (Chair: Evan Kirby)
		Myoungwon Jeon (12+3 min)	Ultra-faint dwarf galaxy formation starting from the first stars
		Anna Frebel (20+5 min)	Signatures of early chemical enrichment in dwarf galaxies

Alex Ji (20+5 min)

Chemical Enrichment in Ultra-faint Dwarf

Galaxies

Andrew Wetzel (20+5 min) Andrew Wetzel (20+5 min) Marcel Pawlowski (12+3 min) Marcel Pawlowski (12+3 min) Marcel Pawlowski (12+3 min) Shi Shao (12+3 min) Tony Sohn (12+3 min) Alexander Riley (12+3 min) Mico Garavito-Camargo (12+3 min) Nico Garavito-Camargo (12+3 min) Christine Simpson (12+3 min) Ana Bonaca (20+5 min) Denis Erkal (12+3 min) Denis Erkal (12+3 min) Lydia Elias (12+3 min) Lydia Elias (12+3 min) Chervin Laporte (12+3 min) Nora Shipp (12+3 min) Stellar Streams in the Southern Sky Session 17 (Chair: Marla Geha) Stellar halos in Illustris: Shedding light on the Milky Way and Enceladus Footprints of the Sagittarius dwarf in the Galactic disc from the outer disc to the 6-D Gaia Volume. Nathan Sandford (12+3 min) Nathan Sandford (12+3 min) Nathan Sandford (12+3 min) Evan Skillman (12+3 min) Chemical Marcel Saging Remnants of Accreted Low-mass Dwarf Galaxies and the Evolution of Dwarf Galaxies			
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M Shi Shao (12+3 min) The Milky Way's plane of satellite galaxies (12+3 min) Dynamical Histories of the Dwarf Elliptical Galaxies NGC 147 and 185 Alexander Riley (12+3 min) The velocity anisotropy of the Milky Way satellite system 10:25 am Coffee 10:55 am Session 16 (Chair: Andrew Wetzel) The velocity anisotropy of the Milky Way satellite system 10:25 am Coffee 10:55 am Session 16 (Chair: Andrew Wetzel) The evolution of LMC-mass galaxies in the EAGLE simulation Nico Garavito-Camargo (12+3 min) Christine Simpson (12+3 min) Ana Bonaca (20+5 min) Debris From dwarf satellites in the Auriga simulations Ana Bonaca (20+5 min) Denis Erkal (12+3 min) 12:20 pm Lunch 2:00 pm Session 17 (Chair: Marla Geha) Stellar halos in Illustris: shedding light on the Milky Way and Enceladus (12+3 min) Chervin Laporte (12+3 min) The Stellar Streams in the Southern Sky Stellar Streams in the Southern Sky Chemically Tagging Remnants of Accreted Low-mass Dwarf Galaxies Using r-processenhanced Stars Nathan Sandford (12+3 min) Evan Skillman (12+3 min) Forecasting Dwarf Galaxy Evolution with Chemistry: How Good Can We Get? Chemical Abundances and the Evolution of Dwarf Galaxies The threshold of galaxy formation and the microphysics of dark matter from the tiniest galaxies Carlos Frenk (20+5 min) Dwarfs: The Giants of Cosmology Alis Deason Closing remarks			Local Group
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