

DEX-XVII: 17th Durham-Edinburgh eXtragalactic Workshop

Wednesday 06 January 2021

Connection starts (9:00)

Welcome (9:20-9:30)

Session 1 (9:30-11:00)

Chair: Anne-Marie Weijmans (St Andrews)

			Breakout Room
09:30-09:45	Strong gravitational lensing: Investigating the structure and evolution of massive elliptical galaxies	Etherington, Amy	BR1
09:45-10:00	How dark are filaments in the cosmic web?	Yang, Tianyi	BR2
10:00-10:15	The galaxy-halo connection in clusters	Niemiec, Anna	BR3
10:15-10:30	Constraining the Dark Matter Particle With Strong Gravitational Lensing	Nightingale, James	BR4
10:30-10:36	New constraints on AGN number counts using the Swift/XRT serendipitous survey	Delaney, Jack	BR5
10:36-10:42	The Onset of Gravo-thermal Core Collapse in Velocity Dependent Self-Interacting Dark Matter Subhaloes	Turner, Hannah	BR6
10:42-10:48	DM Loss in Simulated CDM & SIDM Clusters	Sirks, Ellen	BR7
10:48-10:54	Fast HOD fitting for the creation of mock galaxy catalogues	Grove, Cameron	BR8
10:54-11:00	Tracing the evolution of bulges and disks in faint galaxies using 3D Multi-wavelength Modelling	Welikala, Niraj	BR9

Coffee Break (11:00-11:30) – Zoom Breakout rooms

Session 2 (11:30-12:30)

Chair: Simone Scaringi (Durham)

11:30-11:45	The impact of galactic Lyman-alpha emission on the 21-cm Cosmic Dawn signal	Meiksin, Avery	BR1
11:45-12:00	An analytic model of cosmic star formation	Sorini, Daniele	BR2
12:00-12:15	The stochastic enrichment of near-pristine systems	Welsh, Louise	BR3
12:15-12:30	Hunting for Globular Clusters in the Early Universe	Phipps, Frederika	BR4

Lunch break (12:30-14:00)

Session 3 (14:00-15:30)

Chair: Anne Archibald (Newcastle)

14:00-14:15	Y-NBS: Probing the epoch of reionisation with the brightest distant LAEs	Wade, Heather	BR1
14:15-14:30	The frequency of galaxy mergers in the local and distant Universe	Husko, Filip	BR2
14:30-14:45	Probing rotation curves to the edges of individual star-forming galaxies at high-redshift	Puglisi, Annagrazia	BR3
14:45-15:00	Pathways to quenching galaxies in SIMBA cosmological simulation and observations	Zheng, Yirui	BR4
15:00-15:06	Radiation Hydrodynamics in High Redshift Universe	Chan, Tsang Keung	BR5
15:06-15:12	Mocking The Universe Using Machine Learning	Chittenden, Harry	BR6
15:12-15:18	Galaxy disequilibrium: galaxy-satellite interaction induced reflex motion	Petersen, Michael	BR7
15:18-15:24	Resolved spectroscopy of cluster galaxies at $z>1$ now and into the future	Amos, Nicholas	BR8
15:24-15:30	Dynamical Modelling of MaNGA Galaxies Using Cold Gas	Campbell, Stephanie	BR9

Coffee Break (15:30-16:00) – Zoom Breakout rooms

Session 4 (16:00-17:00)

Chair: Julie Wardlow (Lancaster)

16:00-16:15	An ALMA/NOEMA survey of the molecular gas properties of submillimetre galaxies	Birkin, Jack	BR1
16:15-16:30	Exploring the environments of SMGs using narrowband observations	Cornish, Thomas	BR2
16:30-16:45	Tracing the evolution of dust-obscured activity using sub-millimetre galaxy populations	Dudzeviciute, Ugne	BR3
16:45-17:00	The Lyman Continuum escape fraction of $z\sim 3.5$ VANDELs galaxies	Begley, Ryan	BR4

Quiz night (19:30-21:00)

Thursday 07 January 2021

Session 1 (9:30-11:00)

Chair: Mathilde Jauzac (Durham)

09:30-09:45	The linked orbital and star formation histories of satellite galaxies	Oman, Kyle	BR1
09:45-10:00	The build-up of the Lyman-Werner background during cosmic structure formation	Incatasciato, Andrea	BR2
10:00-10:15	Estimating Photometric Redshifts Of Galaxy Clusters With Machine Learning	Chan, Matthew	BR3
10:15-10:30	LOFAR sources identification with Machine Learning	Alegre, Lara	BR4
10:30-10:36	The X-ray Evolution of Galaxy Groups and Clusters in SIMBA	Robson, Dylan	BR5
10:36-10:42	Modern Tools for Robust Cosmological Parameter Inference	Karamanis, Minas	BR6
10:42-10:48	The future of observational cosmology: optimising a spectroscopic training sample ...	Carrick, Jonathan	BR7
10:48-10:54	Modeling Strong Gravitational Lensing in Galaxy Clusters	Cerny, Catherine	BR8
10:54-11:00	Precision Timing of Transitional Millisecond Pulsar J1023: Obtaining a Reliable Spin-Down Measurement	O'Neill, Patrick	BR9

Coffee Break (11:00-11:30) – Zoom Breakout rooms

Session 2 (11:30-12:30)

Chair: James Aird (Edinburgh)

11:30-11:45	Testing accretion disc theory with high-cadence reverberation mapping	Hernandez S., Juan	BR1
11:45-12:00	Cosmic evolution of jet-mode AGN in LoTSS Deep Fields	Kondapally, Rohit	BR2
12:00-12:15	Cosmology and Black Hole Physics with Quasars	Eltvedt, Alice	BR3
12:15-12:30	An X-shooter insight into dust-reddened quasars	Fawcett, Vicky	BR4

Lunch break (12:30-14:00)

Session 3 (14:00-15:30)

Chair: Brooke Simmons (Lancaster)

14:00-14:15	Have LIGO-Virgo detected primordial black holes?	Hall, Alex	BR1
14:15-14:30	The cosmic density field in modified gravity beyond the 2-point function	Cataneo, Matteo	BR2
14:30-14:45	A lower density universe? - Measuring imprints of large scale structure on the CMB	Hang, Qianjun	BR3
14:45-15:00	KiDS-1000: a robust weak gravitational lensing data set	Giblin, Benjamin	BR4
15:00-15:06	What happens when an AGN irradiates molecular gas? The remarkable case of NGC 2110	Rosario, David	BR5
15:06-15:12	New Insights into Quasars with Strong Outflows using the Largest Ever Radio Sample	Petley, James	BR6
15:12-15:18	Understanding galaxy alignments for weak gravitational lensing	Leonard, Danielle	BR7
15:18-15:24	Opening another window on cosmic acceleration using a new probe of the large-scale structure of the U	Armijo, Joaquin	BR8
15:24-15:30	Coupled dark energy in the halo model using virial arguments	Copeland, David	BR9

Coffee Break (15:30-16:00) – Zoom Breakout rooms

Session 4 (16:00-17:00)

Chair: Juan V. Hernandez Santisteban (St Andrews)

16:00-16:15	KiDS-1000 cosmology: Cosmic shear analysis	Asgari, Marika	BR1
16:15-16:30	72 strong lensing clusters: relation between cluster physical properties, lensing power and predicted ...	Mahler, Guillaume	BR2
16:30-16:45	Pilot-WINGS: A 3D look at Abell 370 with MUSE and HST	Lagattuta, David	BR3
16:45-17:00	Exploring astronomical data through sound	Harrison, Christopher	BR4