

***RAS Discussion Meeting: Quenching galaxies at low and high redshifts***

Venue: The Geological Society Lecture Theatre, April 12th 2019.

**10.30 The life-cycle of gas in dying galaxies**

**Katey Alatalo** (Space Telescope) : Invited Speaker

11.00 Evolution of the cold gas properties of simulated post-starburst galaxies

Tim Davis (Cardiff)

11.15 The quenching of star formation in cluster galaxies by directly removing their cold molecular gas.

Nikki Zabel (Cardiff)

11.30 LoCuSS: pre-processing in massive galaxy clusters around  $z=0.2$

Matteo Bianconi (Birmingham)

11.45 Morphological quenching from satellite accretion.

Philip Grylls (Southampton)

12.00 Quenching and quiescence in the early Universe

Corentin Schreiber (Oxford)

12.15 Witnessing galaxy group evolution using X-ray observations

Jacob Crossett (Birmingham)

12.30 *Lunch*

**13.30 What simulations tell us about the quenching of high redshift galaxies**

**Robert Feldmann** (University of Zurich) : Invited Speaker

14.00 Probing galaxy evolution and quenching from black hole-galaxy de-biased scaling relations

Francesco Shankar (Southampton)

14.15 Multiphase outflows as quenching mechanisms in normal galaxies at  $z \sim 0$

Guido Roberts-Borsani (UCL)

14.30 Galaxy Chronometrics with H delta and Calcium II K&H lines

Kevin Pimbblet (Hull)

14.45 Post-starburst galaxies and the origin of galaxy bimodality

David Maltby (Nottingham)

15.00 Discussion

15.30 *Tea*

16.00 RAS 'Ordinary' Meeting

Including: Becky Smethurst 'Quenching galaxies and the search for evidence of AGN feedback'

18.00 Close