

Astronomy Centre, University of Sussex
Brighton, BN1 9QH
UK

✉ l.conaboy@sussex.ac.uk
📁 users.sussex.ac.uk/~lc589/
🌐 [lconaboy](#)

Luke Conaboy

Education

2018–present **PhD Astronomy**, University of Sussex, Brighton, UK.

2014–2018 **MSci Physics with Astronomy (Hons)**, University of Nottingham, Nottingham, UK, *1st*.

Publications

2021 *Baryon drift effects at high-redshift*, **Luke Conaboy**, Ilian T. Iliev, David Sullivan, (in prep) Anastasia Fialkov, Keri L. Dixon.

2021 *Impact of early binary populations on radiative feedback and the escape fraction of ionizing photons*, Keri L. Dixon, David Sullivan, Ilian T. Iliev, **Luke Conaboy**, (in prep)

Talks

Sep 2021 *Baryon drift effects at high-redshift*, RAMSES User Meeting 2021, online.

Nov 2020 *Local Group zoom simulations and baryon drift*, CLUES Mid-term Meeting, online.

Oct 2020 *Baryon drift effects on small-scale structure*, 3rd Global 21cm Meeting, online (Cambridge, UK).

Jan 2020 *Cosmological reionisation*, RAS Specialist Meeting, London, UK.

Experience

2019-2020 **Doctoral tutor**, University of Sussex, Brighton, UK.
Assisting with workshops, marking.

Master thesis

title *Investigating the response in African climate anomalies to the El Niño-Southern Oscillation*

supervisors Prof Frazer Pearce

description We explore the use of remote sensing methods in examining the effects of El Niño, La Niña and other ocean-atmosphere systems on cloud coverage and vegetation growth in South and East Africa.