

Citation for the 2019 RAS Winton Award (A): Dr Blake Sherwin

The 2019 RAS Winton Award (A) is awarded to Dr Blake Sherwin.

Dr Blake Sherwin holds a lectureship in DAMTP Cambridge and an STFC Ernest Rutherford Fellowship. He obtained his PhD in 2013 from Princeton University. He has played a leading role since his PhD in advancing CMB lensing from first detections to a mature field of precision cosmology.

At the Atacama Cosmology Telescope Dr Sherwin was able to extract the lensing effect from the CMB and obtain its power spectrum for the first time. He also led the first measurement of the cross-correlation between quasars and CMB lensing. Building on his pioneering studies will be of critical future relevance in searches for primordial gravitational waves in CMB polarisation.

For these reasons, Dr Blake Sherwin is awarded the 2019 RAS Winton Award (A).