APR10-2009-001139

Abstract for an Invited Paper
for the APR10 Meeting of
the American Physical Society

Results from the QUaD Experiment[1]

SARAH CHURCH, Stanford University

The QUaD (QUEST at DASI) experiment comprises a 31-pixel polarization-sensitive bolometric camera mounted on a 2.6m telescope at the South Pole that operated between 2005 and 2007. The goal of QUaD was measurements of the polarization of the Cosmic Microwave Background (CMB) on angular scales larger than 5 arcmins. I will summarize the key results from QUaD including detailed measurements of E-modes of polarization, their implications for cosmological parameters, and QUaD limits on other effects such as the much fainter B-modes of polarization.

[1]QUaD is a collaboration between institutions in the US, the UK and Ireland and is funded by the NSF, PPARC and Enterprise Ireland.