

Jo Dunkley

PROFESSOR OF PHYSICS & ASTROPHYSICAL SCIENCES
PRINCETON UNIVERSITY

Tuesday, April 17, 2018

4:15 PM

Cardwell Hall – Room 101

Kansas State University

Refreshments at 3:45 pm in Cardwell 119



Dunkley received a Ph.D. in astrophysics in 2005 from the University of Oxford.

In 2016 she joined the faculty at Princeton after 9 years as a faculty member at Oxford.

Jo's research is in cosmology, studying the origins and evolution of the Universe.

Dr. Dunkley's particular focus is the Cosmic Microwave Background (CMB), which gives the earliest view of the Universe.

Her main projects are the Atacama Cosmology Telescope, the Simons Observatory, and the Large Synoptic Survey Telescope.

Jo has been awarded the Maxwell Medal, Fowler Prize, Rosalind Franklin award and Philip Leverhulme Prize for work on the CMB, and shared the Breakthrough and Gruber Prizes with the WMAP team.

She is an experienced science communicator, appearing on TV and radio, and giving frequent talks.

Our Window on the Universe

The night sky is fascinating to humans, giving us a window on space beyond our home on Earth. I will describe how we have come to better understand our Universe, and some of the big questions about space and time that we are trying to answer. By studying distant light coming from the earliest moments in time, I will talk about our quest to understand the Big Bang, to find out the ingredients of the Universe including the mysterious invisible dark matter, and to uncover the fundamental laws of nature.