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国台学术报告 NAOC COLLOQUIUM

2017年 第5次 / No. 5 2017

Time: Wednesday 2:30 PM, Mar. 15th **Location: A601 NAOC**

Shedding light on the darkness

Dr. Baojiu Li

Department of Physics, Durham University, the UK



Dr. Baojiu Li obtained his MPhil degree in physics from the Chinese University of Hong Kong in 2006 and his PhD degree in applied mathematics from Queens' College at the University of Cambridge in 2009. He then worked as research associate there until September, 2011. After that, he moved to the Durham University till now. He worked as royal astronomical society research fellow at institute for Computational Cosmology and Lecturer and in theoretical astrophysics at Department of Physics there. Then he became senior lecturer in December, 2014 and became reader in December, 2016 separately at Department of

Physics. His research interests mainly focus on accelerated cosmic expansion and cosmological tests of gravity, large scale structure, weak gravitational lensing and numerical simulations.

Abstract

In the coming decade, an array of galaxy and cluster surveys will significantly improve observational tests of cosmological models to explain the accelerated cosmic expansion. In this talk, I will review some recent progresses in this area. In particular, I will discuss studies, based on cosmological simulations, on modified gravity models, how future observations can help to test these models, and some practical limitations that need to be overcome before accurate constraints can be obtained.

All are welcome! Tea, coffee, biscuits will be served at 2:15 PM.