



Mark P. M. Dean

Brookhaven National Laboratory
X-Ray Scattering Group
Condensed Matter Physics & Materials Science
Department
Upton, NY 11973

Current Position

- Physicist in the Condensed Matter Physics & Material Science Department at Brookhaven National Laboratory

Employment & Education History

- Physicist, Brookhaven National Laboratory (2017-present)
- Associate Physicist, Brookhaven National Laboratory (2014-2017)
- Assistant Physicist, Brookhaven National Laboratory (2012-2014)
- Research Associate, Brookhaven National Laboratory (2010-2012)
- PhD, University of Cambridge, UK (2010)

Honors & Activities

- Former chair of the National Synchrotron Light Source II Users' Executive Committee
- Former chair of the Inelastic Scattering Proposal Review Panel at APS
- Editorial Board Member for the Physical Review X journal
- DOE Early Career Award 2014-2019

Interests

- My research focuses on resonant inelastic x-ray scattering studies of quantum materials, including high-temperature superconductors, strongly spin-orbit coupled materials, complex oxide heterostructures, non-equilibrium states and topology in crystalline materials.

Goals

- Maintaining and extending APS's capabilities for world leading experiments, especially in ultra-high-resolution spectroscopy and coherent scattering.
- Strengthening the quality and immediacy of the proposal review system.
- Improving user quality-of-life and cost-effectiveness issues.