

Biographical Sketch: Rachel Mandelbaum

Dr. Rachel Mandelbaum is an Associate Professor of Physics at the Carnegie Mellon University, Pittsburg PA. She received a Ph.D. in Physics from Princeton University in 2006. Her research interests are predominantly in the areas of observational cosmology and galaxy studies, with the goal of improving our understanding of dark energy, dark matter, and galaxy formation. This work includes the use of weak gravitational lensing and other analysis techniques, with projects that range from development of improved data analysis methods, to actual application of such methods to existing data. Currently, she is focusing on data from the SDSS-III and the Hyper-SuprimeCam (HSC) survey, and is working on upcoming surveys including LSST and Euclid. She has received several prestigious professional fellowships and prizes. She is an internationally recognized scientist with numerous publications in peer reviewed journals.