

Dr. Natasha Maddox
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‘The SKA precursor telescope MeerKAT: New results from a next-generation radio telescope’

Monday 5th December 2022, 3pm, Berry Lecture Theatre

I will introduce the MeerKAT radio interferometer, South Africa's precursor to the Square Kilometre Array telescope. I will focus on the newest results from the MeerKAT large survey project MIGHTEE, which is sensitive to star-forming galaxies and active galaxies out to high redshift, and neutral hydrogen in galaxies over the past billion years of lookback time. The data are revealing cosmological structures that have gone undiscovered at other wavelengths, challenging models of structure formation and illustrating the power of observations at radio wavelengths. The new parameter space accessible to MeerKAT is providing a view of galaxy evolution that will only be surpassed with the onset of the SKA in the coming decade.

The Colloquia will be followed by tea and coffee in the staff common room. For further details please contact phys-exec-office@bristol.ac.uk



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Physics Colloquium – Autumn Term