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PhD Studentship Available in Synthetic Topological Matter at the University of Birmingham

A 4-year PhD studentship is available in the group of Dr Hannah Price (<https://hannahmprice.com/>), working in Theoretical Physics at the School of Physics and Astronomy, University of Birmingham. This studentship is funded by the Royal Society and should start before 31st March 2019. However, all interested candidates are encouraged to get in contact as PhD studentships with later starting-dates may also become available.

Synthetic topological matter is an exciting current research field in which topological ideas, originally introduced to understand electrons in solids, are exploited to design artificial systems made of atoms or light. This research area provides us with opportunities both to control artificial systems in new ways and to explore topological effects in a novel context.

This PhD project will focus on theoretical questions in synthetic topological matter and will include both analytical and numerical calculations. The successful PhD candidate should have an Undergraduate or Masters degree in Physics (preferably with first class honours or equivalent), and is expected to have a strong general background in theoretical physics, with an interest in condensed matter physics, atomic physics and/or photonics.

Interested candidates should please contact Dr Hannah Price directly at: H.Price.2@bham.ac.uk

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