

Funded PhD Opportunities in Physics



Newcastle University

Theoretical Physics

Quantum electrodynamics of atoms and molecules

Supervisor: Dr Adam Stokes

Closing date: 3 February 2023. Further information:

<https://www.ncl.ac.uk/postgraduate/fees-funding/search-funding/?code=MSP057>



Quantum thermodynamics

Supervisor: Dr Obinna Abah

Closing date: 3 February 2023. Further information:

<https://www.ncl.ac.uk/postgraduate/fees-funding/search-funding/?code=MSP059>



Non-Equilibrium quantum gas modelling

Supervisor: Professor Nikolaos Proukakis

Closing date: 28 February 2023. Further information:

<https://www.ncl.ac.uk/postgraduate/fees-funding/search-funding/?code=MSP068>



Studentships in Astrophysics, Cosmology and Theoretical Physics

Possible projects available as part of the NUData CDT and other awards:

- Magnetism in hot Jupiters
- Particle cosmology
- Cosmological correlators, symmetries and holography
- Turning astronomical data into sound: developing sonification for astrophysics research, communication, and accessibility
- Establishing how growing supermassive black holes influence galaxy evolution
- Double-diffusive convection in Mercury
- Polar vortices in Jupiter's atmosphere
- Cosmology with upcoming cosmic shear surveys
- Answering big questions in cosmology with big data from galaxy surveys
- Dynamical processes in stellar interiors



Closing date: 31 January 2023. Further information: <https://www.ncl.ac.uk/postgraduate/fees-funding/search-funding/?code=S0000007>

See web adverts for details. Contact maths.physics.pg@ncl.ac.uk for queries.