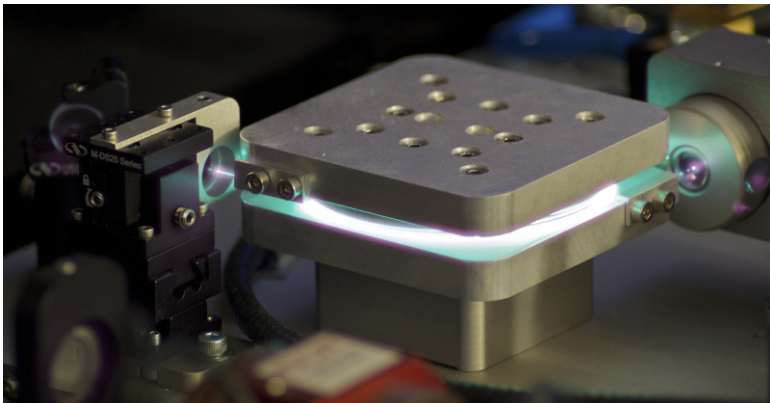




PhD opportunities in laser, plasma and accelerator science at Liverpool University/Cockcroft Institute



A fully funded PhD studentship is available from Oct 2018 to work on laser applications in accelerator science at the University of Liverpool/Cockcroft Institute of Accelerator Science and Technology. Potential projects include:

- Development of near and mid-infrared laser sources to seed free electron lasers.
- Development of laser driven THz sources for novel particle acceleration at THz frequencies.
- Research into laser plasma wakefield acceleration methods, including developing new high average and peak power laser systems for new acceleration.
- Development of high intensity radially polarised lasers for direct laser acceleration of particles in vacuum.

We welcome applications from students with a strong interest in experimental science with lasers, some facility with coding (e.g. Python, LabView, Matlab) and motivated to study in the highly interdisciplinary field of accelerator science.

For more information please contact Dr. Laura Corner (laura.corner@liverpool.ac.uk)

General details for applying for a PhD at Liverpool University can be found here:

<https://www.liverpool.ac.uk/study/postgraduate-research/how-to-apply/>

More information about the Cockcroft Institute can be found here:

<https://www.cockcroft.ac.uk/about>