Room P125, P127 & P130 Laboratory Rules

This brief set of rules is not intended as an exhaustive list of work protocols, but as a short introduction to working safely in Rooms P125, P127 or P130. If you witness any unsafe working practices please bring these to the attention of the Laboratory Heads (Paul Goddard or Martin Lees). If you are unsure about anything associated with your work in this laboratory, please ask your Supervisor or the Laboratory Head for advice and/or guidance.

Before Starting Work in Room P125, P127 or P130

Departmental Safety Information and training
Make sure that you have read and understood all the general Physics Department Safety Information, and taken and passed any required safety tests.

https://warwick.ac.uk/fac/sci/physics/intranet/healthandsafety/training/

You must have done:

- University H&S Mandatory Training
- Undergraduate Induction (if appropriate)
- Postgraduate Induction (if appropriate)
- Chemical Assessment and Laboratory Safety Awareness Training
- Cryogenics
- Working at height

To use the cryomagnet you must also have completed the following training and be authorised by Martin Lees or Paul Goddard:

- Cryogenics
- Cryomagnets

Use of pressure cells (P127 or P130) or the ruby spectrometer (P127 only) require additional training and authorisation.

Risk Assessment
Complete a supervisor approved Risk Assessment for your work. Lodge a Risk Assessment online.

Note, if you start a new activity, or significantly modify an existing activity, a new Risk Assessment should be placed online. All Risk Assessments should be reviewed at least once a year.

Read the relevant Room Risk Assessment.

Version Control Information
Version 1 Document drafted 01/04/22. Document reviewed 12/07/24. Version 1 valid from 01/04/22 to date.

Working in the Laboratory

General
Obey all signage and safety instructions from other workers. You may be required to leave the room during certain operations, e.g. the ruby spectrometer lasers in room P127 and/or pressure cells in rooms P127 and P130.

Personal Safety
Use PPE if and when required. Do not work unsupervised or out of normal working hours unless it is safe to do so.

Laboratory Housekeeping
Keep the laboratory tidy. Dispose of any waste in the approved receptacles.

Remove any samples or chemicals immediately after finishing your work in the laboratory. Any samples left in the laboratory should be clearly labelled. Any unlabelled samples or chemicals will be disposed of. Tidy up your workspace after you finish your work.

Do not eat or drink in the laboratory. Do not allow unauthorised persons to enter the laboratory.

Cryogenics
Follow all University and Departmental regulations regarding the use of cryogens and low-temperature equipment.

Magnetic Fields
Some apparatus in the laboratory can produce high magnetic fields ($\mu_0 H \leq 17$ T). Unless you have a pacemaker or body piercing, these magnetic fields should pose no danger to you. Do not use or bring magnetisable tools or other items close to any of the cryomagnets when they are energised.

Apparatus
Read instrument manuals and/or user guides provided. Carefully follow any user instructions and/or instrument specific training.

Do not open up any of the equipment or attempt to modify any of the apparatus in the laboratory. Do not attempt to override or tamper with any safety devices or safety measures deployed in the laboratory.

Chemicals and Solvents
Read all the COSHH information for any chemicals or solvents you plan to use in the laboratory. Follow all University and Departmental regulations regarding the use of chemicals or solvents. No wet chemistry or sample preparation, (beyond readying your samples for measurements in the laboratory, e.g. affixing contacts, cutting, or weighing), should be carried out in this laboratory.