

## Room P127 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 Room P127. If you witness any unsafe working practices please bring these to the attention of the Laboratory Head (Paul Goddard). 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 P127

#### **Departmental Safety Information**

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

#### **Risk Assessment**

Complete a supervisor approved Risk Assessment for your work. Lodge a Risk Assessment online at the Superconductivity and Magnetism Group webpages and update your Training Record at the same page. Both your Risk Assessment and Training Record must be sent to your Supervisor for authorisation.

Note, if you start a new activity, or significantly modify an existing activity, a new Risk Assessment should be prepared, authorised by your Supervisor, dated and uploaded.

All Risk Assessments should be reviewed at least once a year.

Read the Room P127 Risk Assessment.

### 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 of the ruby spectrometer lasers and/or pressure cells.

#### **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. Obey all signs.

#### **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.