Risk Assessment Summary Report/Print (landscape)

Reference	3394	**Description of Space or Activity/Task or Equipment**	Use of superconducting cryomagnets in Superconductivity and Magnetism Group spaces, includes Quantum Design Magnetic Properties Measurement Systems (MPMSs) Physical Properties Measurement Systems (PPMSs), Vibrating Sample Magnetometer (VSM) and Oxford Instruments Superconducting Magnets.
Assessment Date	04/08/2021	**Publish To Portal**	No
Assessor Name	Paul Goddard	**Risk Assessment Title**	Cryomagnets
Assessment Team Members	Martin Lees	**Review Date**	18/07/2028
Role / Space / Project Reference		**Current Risk Level (1=Very Low, 2=Low, 3=Moderate, 4=High, 5=Very High)**	2
Department	Use the search function above or double click here for org chart -> Academic Faculties -> Faculty of Science, Engineering and Medicine -> Physics	**Final Risk Level (1=Very Low, 2=Low, 3=Moderate, 4=High, 5=Very High)**	2
Location Details	Physics Rooms P125, P126, P127, P130	**Not in use**	0
Risk Assessment Category	Equipment	**Additional Information**	The appropriate space risk assessment must also be read in conjunction with this document. Users must be trained to use this equipment in addition to the training is required to enter and work in the spaces. Users must be trained in the use of cryogens. Users must read and follow the instructions in the user manuals. Users must be trained by Paul Goddard or Martin Lees. Users must be authorised to use the equipment by Paul Goddard or Martin Lees..
Date Record Created	18/07/2024		

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Hazard Type & Hazard Description	Who may be at Risk? & How May Person(s) Be Harmed	Existing Control Measures	L	S	R	Where current risk is M, H or VH, what additional Control Measures are required?	L	S	R
Electricity Electric shock	User and (reduced risk) personnel in lab during operation Electric shock	Do not tamper with or attempt to modify apparatus. Do not use untested apparatus. Ensure you know the correct procedure for switching off instrumentation. Specifically trained and authorised users only.	Serious	Unlikely	Low		Serious	Unlikely	Low
NIR Electromagnetic Fields (EMF) Quasi-static magnetic fields — risk to personnel	User equipment Damage to electronic devices or credit cards	Warning signs Do not bring electronic equipment close to magnet when active Specifically trained and authorised users only.	Superficial	Possible	Very Low		Superficial	Possible	Very Low
NIR Electromagnetic Fields (EMF) Quasi-static magnetic fields — risk to personnel	User and personnel in lab during operation Damage to pacemaker	Warning signs. Do not enter space if fitted with a pacemaker. Specifically trained and authorised users only.	Serious	Unlikely	Low		Serious	Unlikely	Low
NIR Electromagnetic Fields (EMF) Quasi-static magnetic fields — risk to personnel	User and (reduced risk) personnel in lab during operation Flying magnetisable object	Apply warning signs and/or warning lights. Do not carry ferrous objects close to magnet while active (outside the 5 Gauss line in P127) Specifically trained and authorised users only.	Minor	Possible	Low		Minor	Possible	Low
People & Wellbeing Cryogens	User and (reduced risk) personnel in lab during operation Frost bite/cold burns, asphyxiation	Equipment and space users must read the separate Cryogens Risk Assessment and be trained and authorised to use the space. Specifically trained and authorised users only.	Minor	Possible	Low		Minor	Possible	Low
Assessment Conclusion	Low risk								