



Diamond User Code 8: Magnetic Fields



Hazards



Interference with pace makers and medical devices

Heating of metallic implants

Attraction of metallic objects – missile effects

Pinning of persons by metallic objects

Induction of charge inside the body – involuntary muscle movements



Risks

Experimental risk assessments must identify the use of strong magnetic fields and employ suitable control measures for the risks specific to the experiment.

Controls

Mark the extent of influence of the magnetic field

Place appropriate signage as warnings

Restrict access to unauthorised persons

Protect persons at higher risk – persons with pace makers and medical devices fall into this category

Only take non-ferromagnetic tools into magnetic fields

Minimise the time spent in the fields

Contact

If you have any questions regarding the lasers or UV, contact the SHE group.

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