



Magnet Safety

Magnetic Field Hazards

Magnets will exert large attractive forces on equipment or other magnetic objects when brought close. The force may become large enough to move the equipment uncontrollably towards the NMR magnet. Small pieces of metallic subjects (wrenches, screwdrivers,...) may become projectiles. Large equipment (gas cylinders, ladders,...) can cause bodies or limbs to become trapped between the equipment and the magnet. Keep in mind the following:

The closer to the magnet, the larger the force.

The larger the mass, the larger the force.

Rules:

- **Do bring any metallic object within 10 feet of any magnet.** Assume all metallic objects are ferromagnetic and will be attracted to the magnets, unless verified by NMR staff.
- **Do NOT bring compressed gas cylinders into the NMR laboratories without NMR personnel supervision.**

Remember: Superconducting magnets are ALWAYS on



Magnet

Safety line: do not pass with metallic object



Size and shape can vary. The same restrictions apply for other lab with superconducting magnets (C1027, C1024, C1020 and C1006 in Chemistry/Physics building).