

## Safety Rules for the Advanced Physics Laboratory (PH491)

The safety procedures listed below must be followed in the laboratory. Willful noncompliance will result in dismissal or suspension from the laboratory.

1. Horseplay or other acts of carelessness are prohibited.
2. Unauthorized experiments are prohibited.
3. Food and beverages are not to be brought into the laboratory.
4. Smoking in the laboratory is prohibited.
5. Students are expected to wear shoes and shirts when working in the lab.
6. Never work in the lab alone without supervision.
7. Locate the fire extinguishers, first aid kits, and emergency telephone in the hallway (dial 911 for emergencies).
8. Eye protection must be worn at all times when doing experiments involving liquid nitrogen. Avoid skin contact with liquid nitrogen. It is extremely cold and can cause frost-bite. Liquid nitrogen is to be used in open dewar containers only. It must never be poured into unauthorized vessels and must never be confined in air tight containers. Liquid nitrogen is a continuously boiling liquid. If its volume is confined, then its pressure can build up to dangerous levels.
9. Don't look directly into laser beams or shine the beam into another person's eyes.
10. Use care when handling electrical equipment in order to avoid electrical shock. Don't handle electrical equipment with wet hands or bare feet. Notify the instructor in case of damaged power cords or other problems with electrical equipment.
11. High voltage is only to be applied to any equipment after approval by me.

12. Radioactive calibration sources can be obtained from the instructor and have to be handled following his instructions.
13. Any accidents or injuries, however slight, must immediately be called to the attention of the laboratory instructor who will advise the student on the course of action to be taken.

I have read and understand these procedures and agree to abide by them.

(Students name and signature)