

Physics 476G *Experimental Quantum Measurements* (Fall 2023)
Lab Safety

1. Laser beams are in general hazardous to our eyes. **Please do never look at laser beams directly, including the reflected, refracted and specularly scattered laser beams.** Looking at the diffusive scattering of *our* laser beams on a piece of paper should be limited to a minimized time. Goggles are required when using high-energy lasers.
2. Please make sure that the laser beams do not hit on any other person when you are using lasers.
3. Most optical elements are delicate and surprisingly expensive. Please be careful in handling optics. Do not touch the surfaces of the optical elements. Especially do not touch the tips of the optical fibers. If you accidentally touch an optical surface, please let the instructor know. Do not breathe or talk to optical elements.
4. Please report damages of optical elements and instruments to the instructor.
5. Please shut off the lasers and other instruments, and sort the instruments after you finish the experiment.
6. Please have no food or drink, except water, in the optics lab.