

Physics laboratory safety Rules

- 1. Proper care must be taken while handling the instruments.*
- 2. All trash and waste materials should be disposed of in the proper container.*

Kundt's tube Apparatus

- (a) Be careful not to bend the movable piston while moving it to and fro inside the tube.
- (b) Store the equipment in a dust and moisture free atmosphere.

Ultrasonic Diffraction

- (a) Laser radiation predominantly causes injury via thermal effects; avoid looking directly into the laser beam. Wearing safety glasses is mandatory for the operator.
- (b) Care should be taken while handling the crystal oscillator and other components.
- (c) Remove the crystal from the liquid as soon as the experiment is completed. Otherwise the crystal may get damaged.

Newton's Rings Apparatus

- (a) Care must be taken while handling all optical components; this experiment uses precision optical flats and other high quality components.
- (b) Please do not place your fingers on main optical surfaces or hold components by their edge.
- (c) Keep the important surfaces away from anything that might scratch them.

Planck's constant and Frank Hertz measuring set-up

- (a) Do not use the Instrument in wet environments. Inspect the Instrument before using it.
Do not use the Instrument if it appears damaged.
- (b) Never remove the cover or open the case of the Instrument.