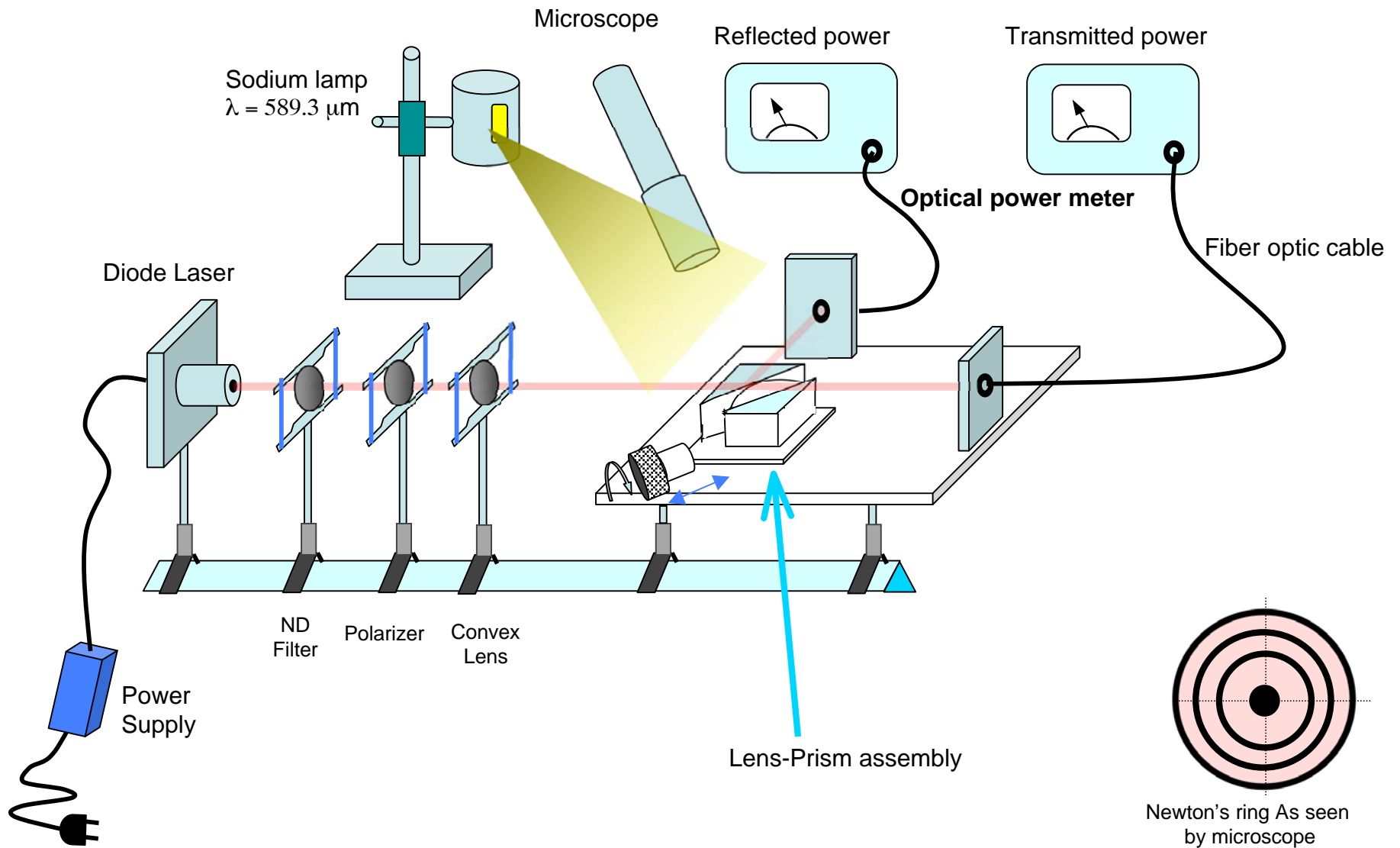


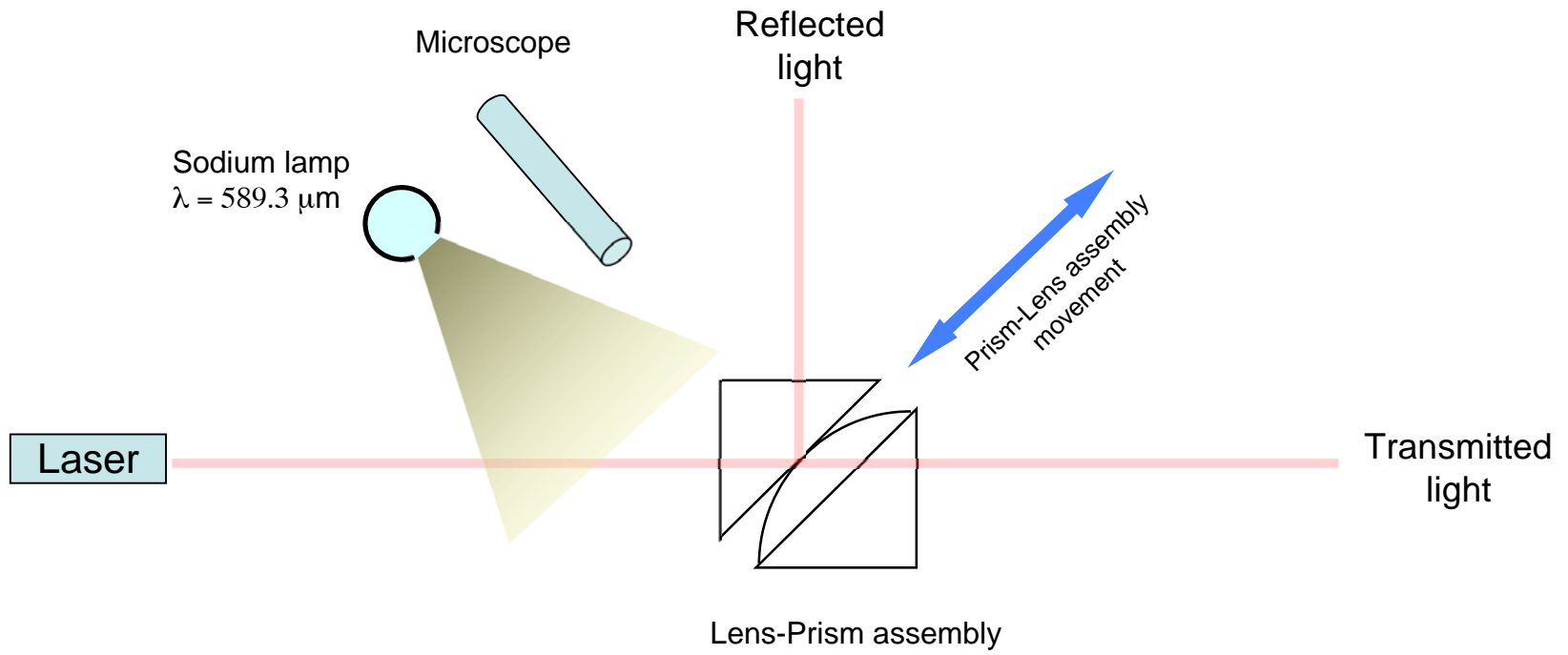
Optical Barrier Penetration

Phys - 397



Optical Barrier Penetration

Top view



Equipment list :

1. Long optical bench
2. Three vertical adjust optical holders and two plain saddles
3. Two horizontal adjust holders
4. Prism assembly with micrometer movement
5. Diode laser: 650 or 670 nm
6. Polarizer
7. Convex lens: $f = 5, 10, 15, 20$ cm
8. Two optical power meters with two digital multimeters
9. Fiber optic cable
10. Neutral density filters (0.3, 0.5, 1.0) (N.D. = $\log_{10} \frac{I_{incident}}{I_{transmitted}}$)