

Preparation V60

A.

1. Remove protective plug
2. Plug in laser & Power Off
3. POWER on (with safety already there)

ACA

B. Absorption Cell Assembly

- Wait time (temperature)

1. ACA → Magnetic Field Coils

Secure it

2. Put in Petalaf (approx 18cm space work)

3. Connect cables

4. Temperature ~ 50°C

C. LASER

1. Temperature → data sheet
2. → temperature indicator lamps should be off

Align the LASER

People Safety and Tool Safety

- People: wear Protective Glasses
↳ close the door to stop stray laser beams

- Tools: Ground yourself to stop get rid of electrostatic charges sources ~~charge~~ voltage

Words

g-pin Drable

Bounce plug heater wires
10- turn resistor (polarity)
thermocouple connector (polarity)

IR card

Rb fluorescence

Principles of Lasers

Orazio Soelto

active material, pumping source
resonator

1.1. Spontaneous emission

$$\frac{N_2^0}{N_1^0} = \frac{g_2}{g_1} \exp\left(-\frac{E_2 - E_1}{kT}\right)$$

$$N_2^0 = \frac{g_2 N_1}{g_1}$$