

Instructions –Laser Installation Information Sheet:

Please fill out this form for all new and revised experiments. The Laser Safety Advocate (LSA) or the JHU Laser Safety Officer will help you conduct an experimental risk assessment and recommend engineering and administrative controls as well as for the experiment. The LSA can also assist in developing operating procedures.

Please do not start your experiment until safety controls are in place.

1. Establish Installation Responsibilities:

- List the technical lead and supervisory personnel involved in the project;
- Define the location of the experiment;
- Establish critical start dates.

2. Description of Laser(s):

- Provide the laser class and laser registration number for all lasers to be used in your experiment. Use additional lines as necessary.
- To get a registration number for unregistered/new lasers, contact the LSA.

3. Application / Research Objectives:

- Define the application (For what is the laser used? E.g., illumination, measuring, etc.);
- Establish research objectives (What are you studying?).

4. Define Engineering and Entry Controls:

- Show the existing engineering and entry controls in the lab;
- Indicate which ones you currently plan to use for this installation.

5. Alignment Tools and Energized Components

- Detail tools that are already available for this experiment.
- Detail components which actively change the energy of the system or change the duration of pulses

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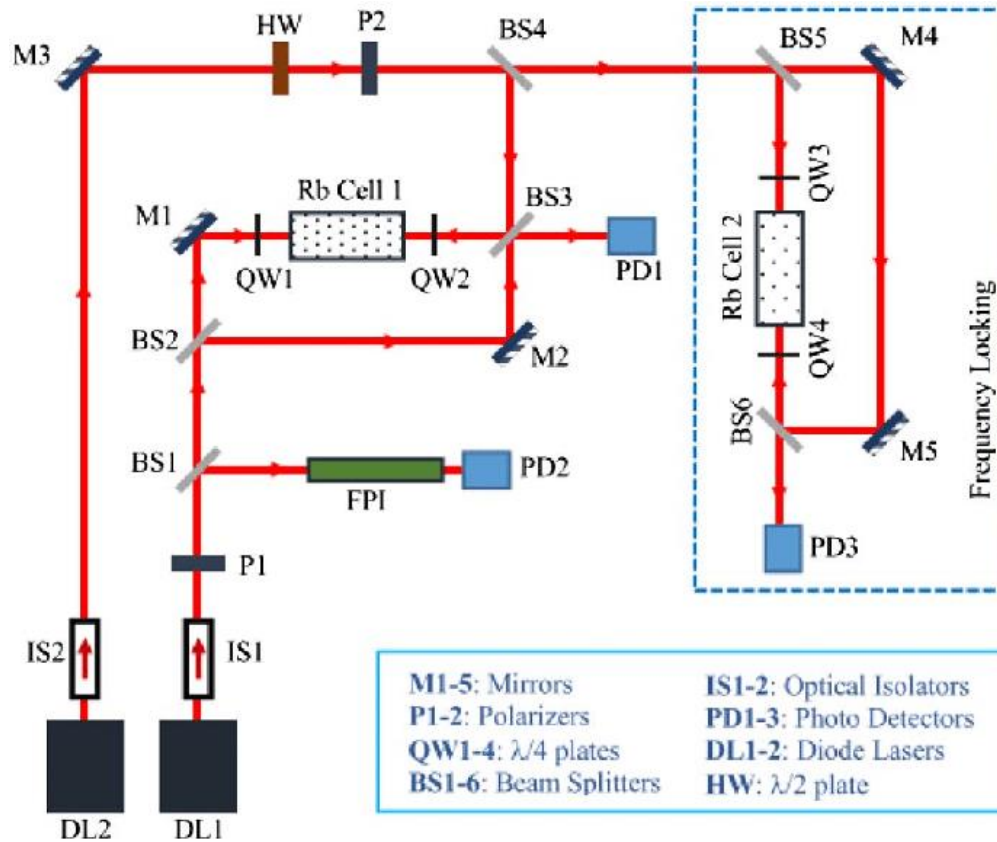
6. Optical Layouts:

- See sample layouts below.
- Hand drawings are acceptable.
- If an optical path diagram is supplied by the vendor or the laser is part of a Class 1 system, simply refer to the manual (and provide a copy of it).

Send the completed laser installation specification form to the LSA (see footer). You will be contacted to schedule a consultation regarding the issues relevant to your particular installation.

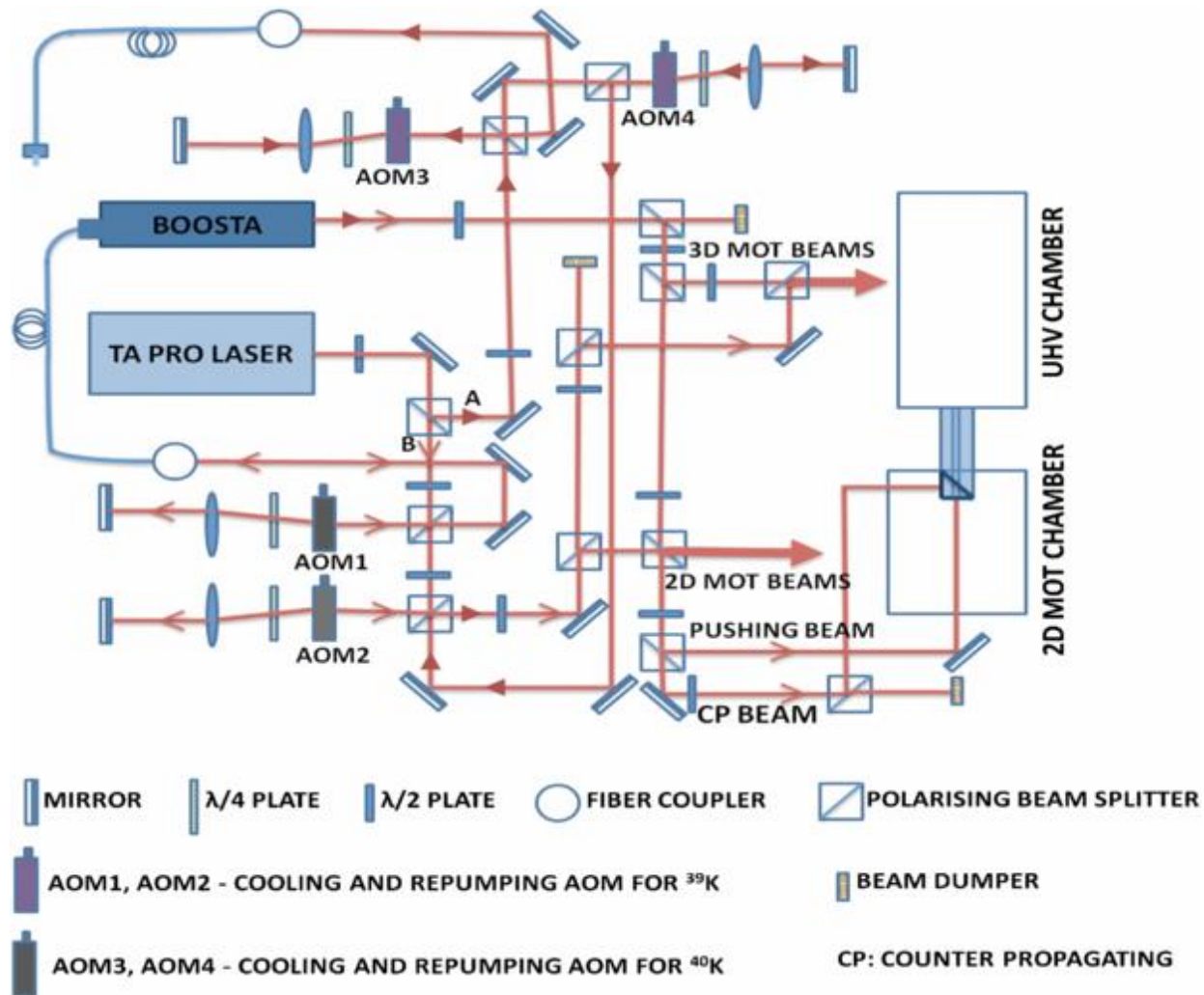
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Sample Layouts – Produce Layout for your experiment, show periscopes if three dimensional. These experiments are meant as reference only.



From: Journal of the Optical Society of America B, 30(6):1255, June 2017, Measurement of dispersive profile of a multiwindow electromagnetically induced transparency spectrum in a Doppler-broadened atomic medium, Dihn Xuan Khoa, Le Cahn Trung, Phan Van Thuan, Bang Nguyen Huy

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From: *Journal of Physics B: Atomic, Molecular and Optical Physics*, 20 May 2011, Sub-Doppler deep-cooled bosonic and fermionic isotopes of potassium in a compact 2D⁺-3D MOT set-up, Vandna Gokhroo, G Rajalakshmi, R Kollengode Easwaran and C S Unnikrishna