

Examples of Controls in Laser Applications at SLAC

I will give examples of engineering, administrative and PPE controls used at SLAC.

These include:

- i. For engineering controls: interlocked and non-interlocked enclosures, laser curtains to partition an LCA and reduce the NHZ, use of a Class 1 operation mode and multiple Class 4 operation modes;
- ii. For administrative procedures: high power UV alignment procedure, alignment eyewear procedure for white light generation, a “horizontal/vertical” split for lab SOP documents into a general SLAC-wide document and a lab-specific document, and using a new tool for electronic approvals with an associated database for laser workers and laser facilities;
- iii. For laser eyewear PPE: different types of eyewear management in the laser labs.