

Laser Work Update & Schedule

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Outline

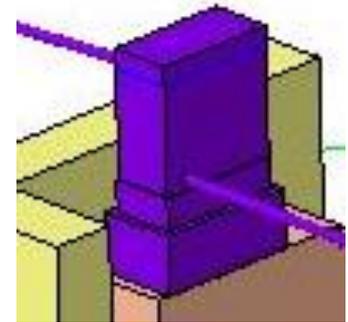
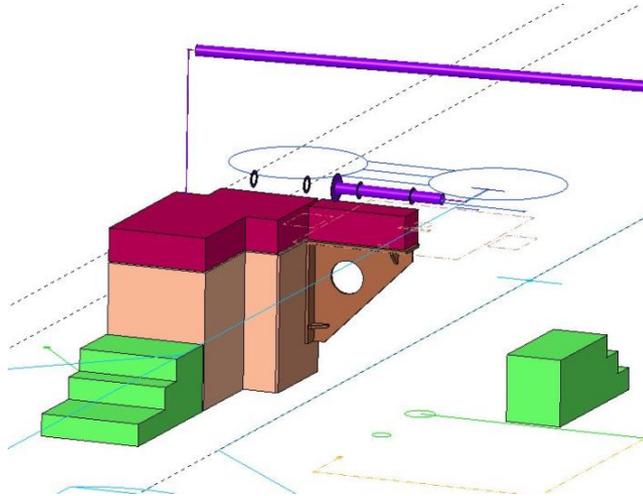
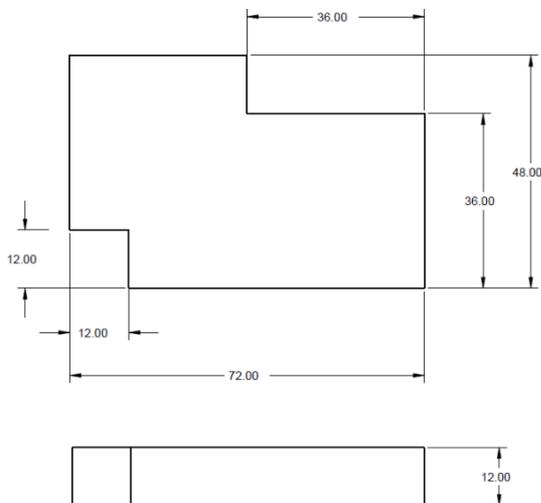
- Moving from laser trailer-ERL
- Laser transport - update
- Laser topics & specs for LEReC
- Laser for CeC
- Laser for Gatling gun

Moving from Laser Trailer to ERL

- LEReC laser is done;
- CeC laser is to be done today;
- Chiller and tool boxes will be done Friday;
- More time for setup;

Laser transport - update

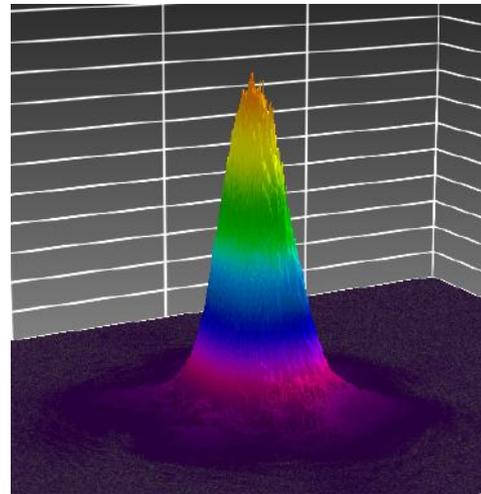
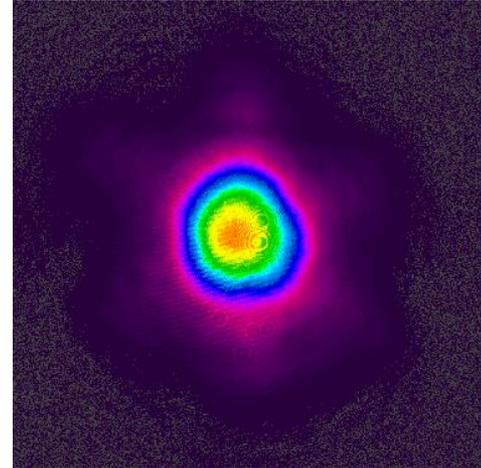
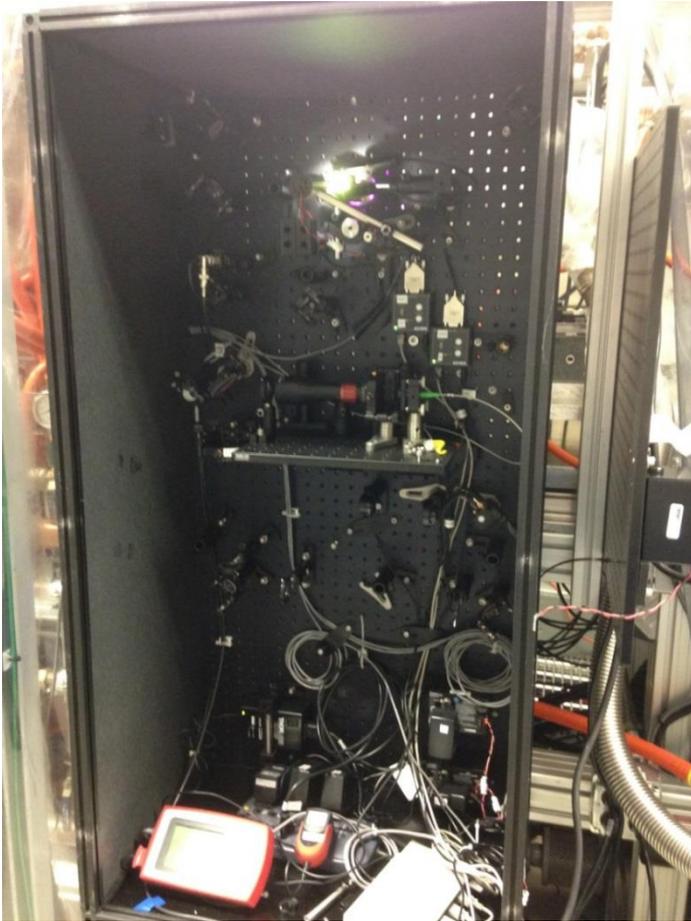
- Optical table: 5x12x2 ft³
- Relay table: 2x4 ft²
- Gun table: 4x6x1 ft³ & extension
- View window: Newport
- Mirrors, lens, & position feedback
- Support, boxes, temperature & humidity control: ?
- Vacuum pipe and support: ?



Laser Topics & Specs for LEReC

- Gun table
- Cross-correlator
- Pulse picker
- EOM for intensity modulation
- PO

CeC Laser: Beam Diameter



Problems & plan for CeC laser

Gatling Gun

Immediate work

- Frequency doubling
- PC for pulse picker
- Setup for charge limitation in Stony Brook

Plan in Dec.

- Setup for beam experiment

