

Laser Work Update & Schedule

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September 29, 2016

Laser Trailer

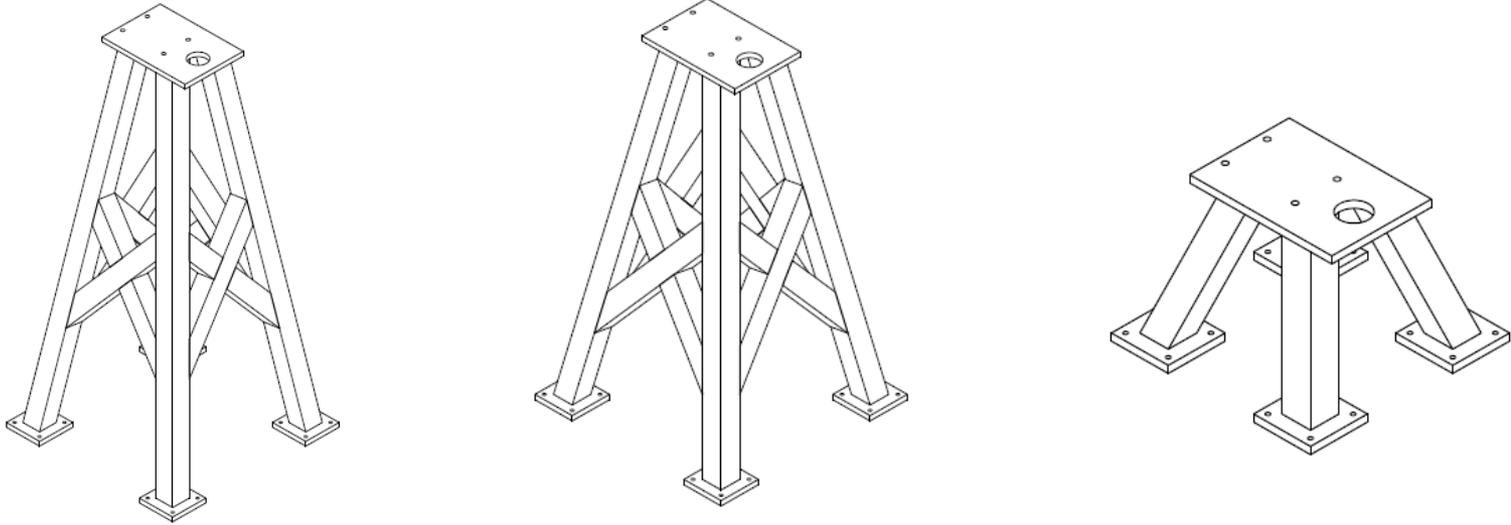


- Laser trailer: leg support and schedule

Laser Transport - Part Update

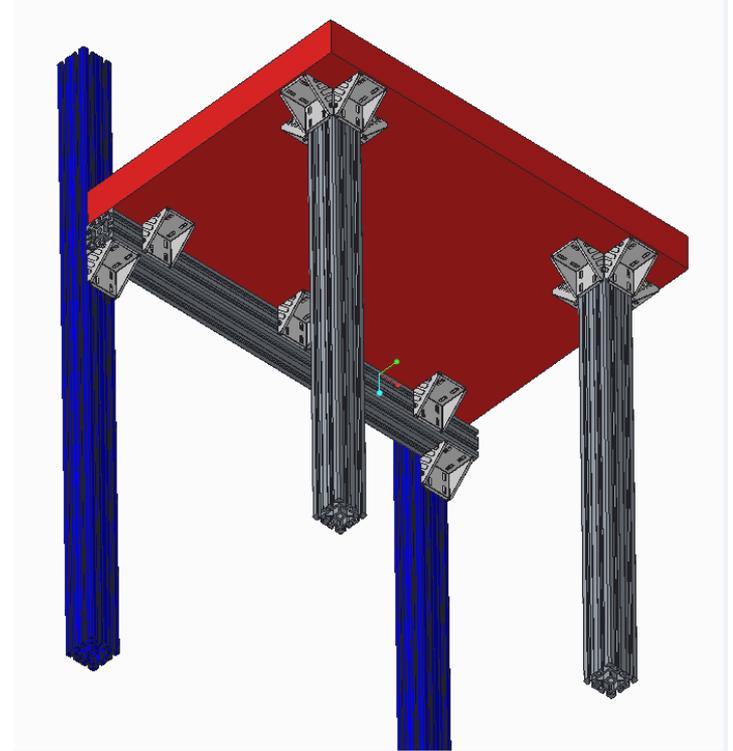
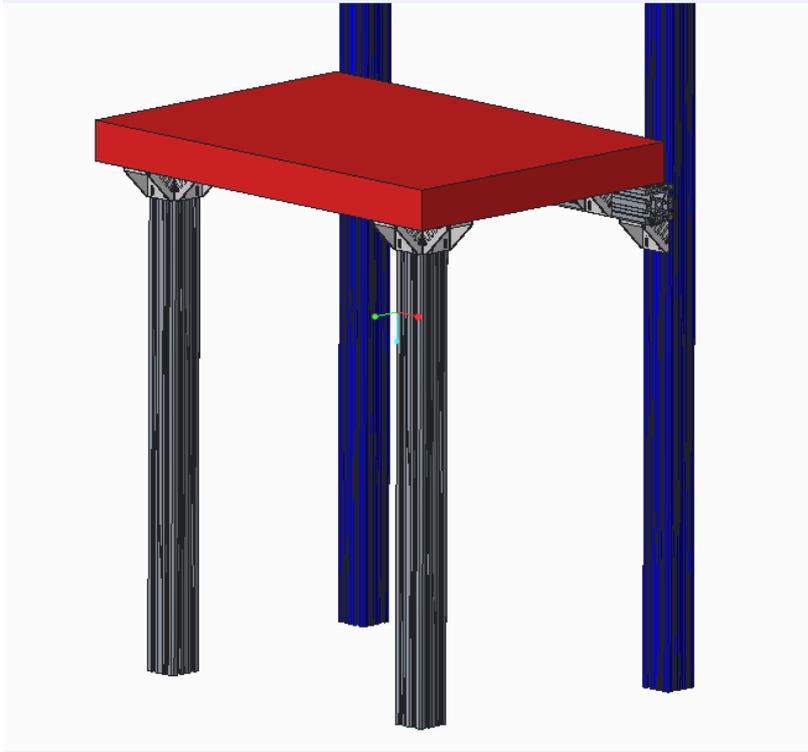
- Three optical tables: 5x12x2 ft³, 2x4x4" ft², 4x6x1 (4") ft³ & extension
- Concrete supports for the Lego and Relay tables
- View window, vacuum pipe, flange, and mechanical support
- Mirrors, lens, & position feedback
- Mechanical support: Stands for laser beam
- Walls for laser tables
- Cable feedthroughs
- Temperature & humidity control

Stands for Laser Mirror



- **Stands for gun table, relay table, and laser trailer**
- **Material order**
- **schedule**

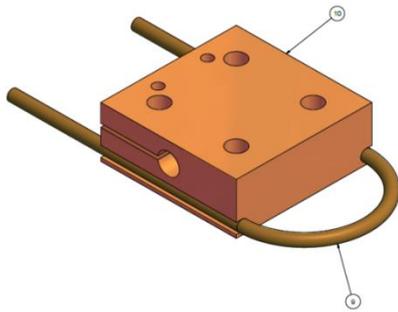
Table & Support for CeC - Steven and Dave



- Table and support: order ?
- Laser transport from relay table to the CeC table ?
- Installation after mid-Nov

Additional Support

- Heat sink by Dan Lehn
- Rack x 4, 2 layers, <1 foot, by Tony
- 2-layer Shelf for 5x12 ft² table by Dave and Dan



or

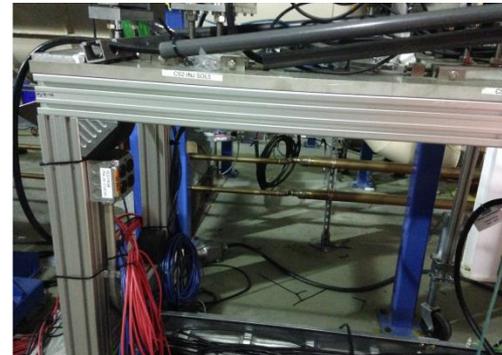


Table for Shaping & Cross-correlator



- Laser spatial shaping
- Cross-correlator
- Work for Gatling gun

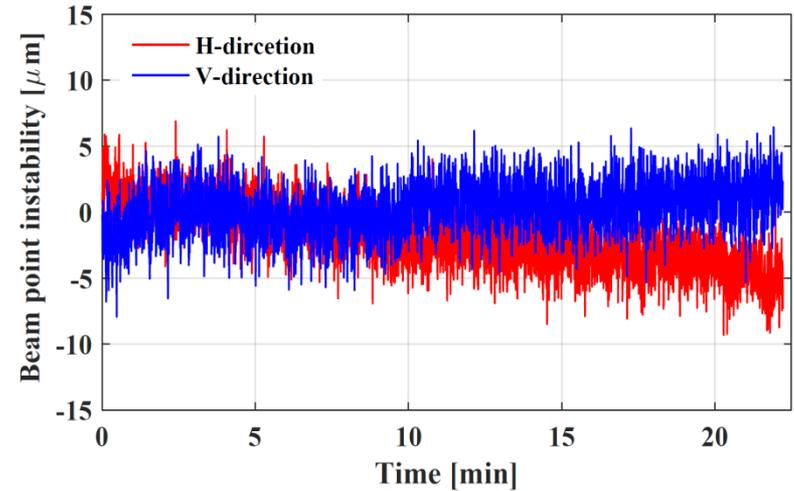
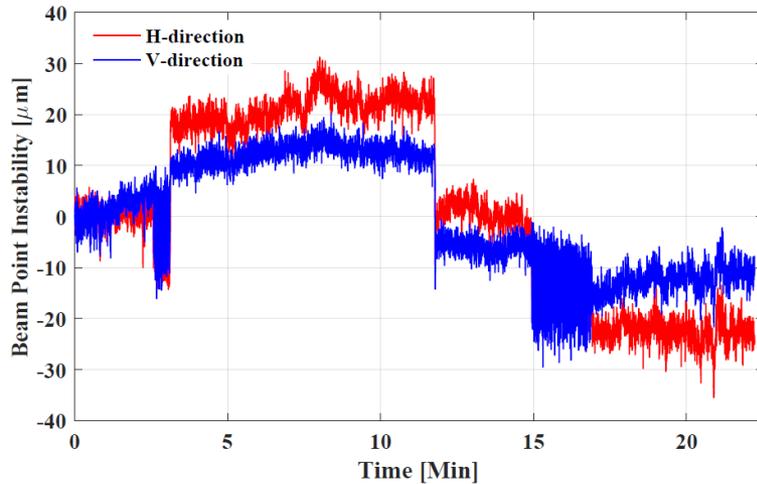
Fiber Laser



- Main amplifier is back

Laser Beam Point Instability

- Preamp @ 30 W (laser trailer vs ERL)



- Main amplifier @ 100 W (laser trailer vs ERL)

