

# IoLaser Meeting

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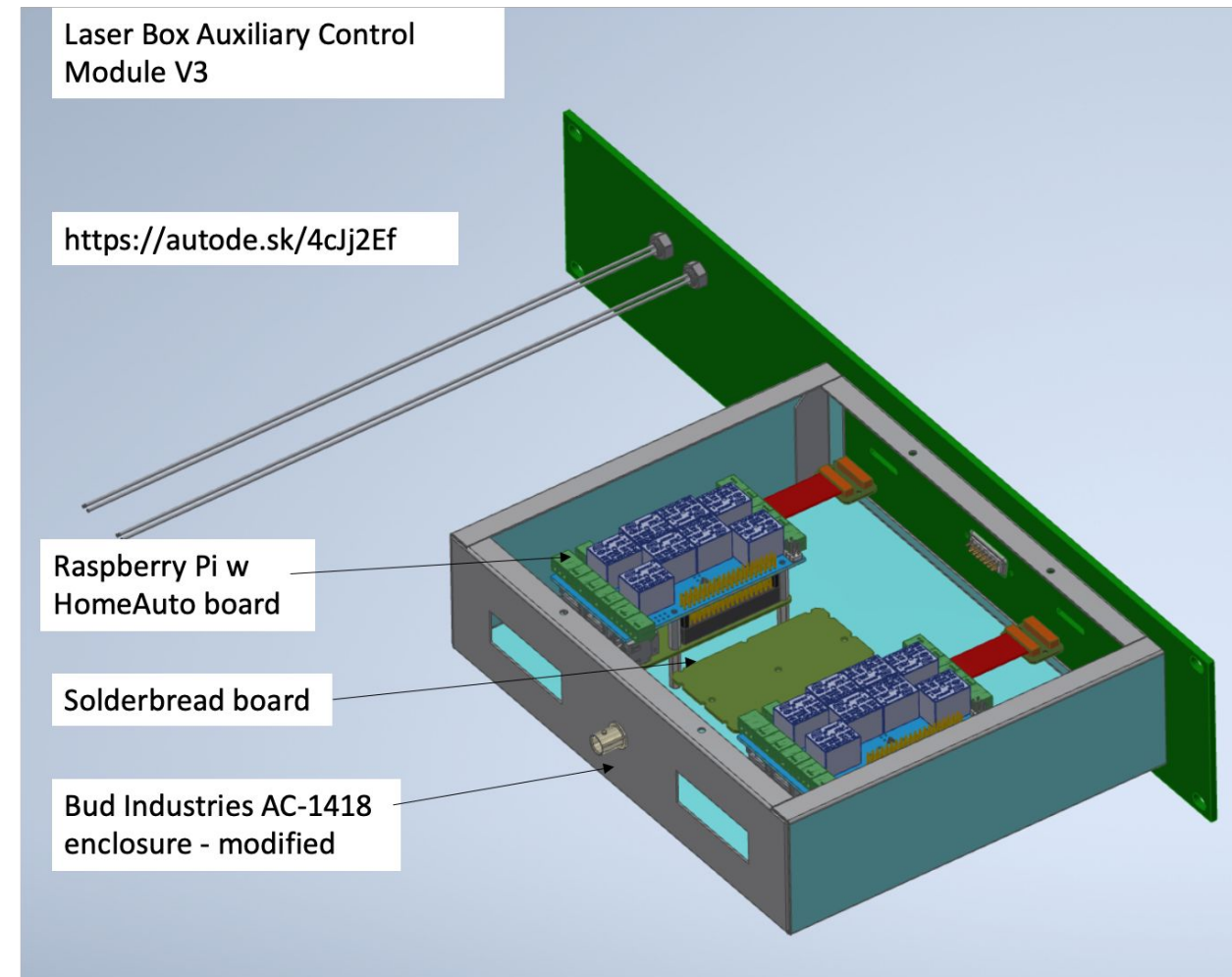


# Status

- Current liquid level = 5.2 meters
- Minimum requirement for periscope submersion:
  - $L_{P1} = 6.7$  m
  - $L_{P2} = 6.4$  m
- Expected fill date: 4/29/24

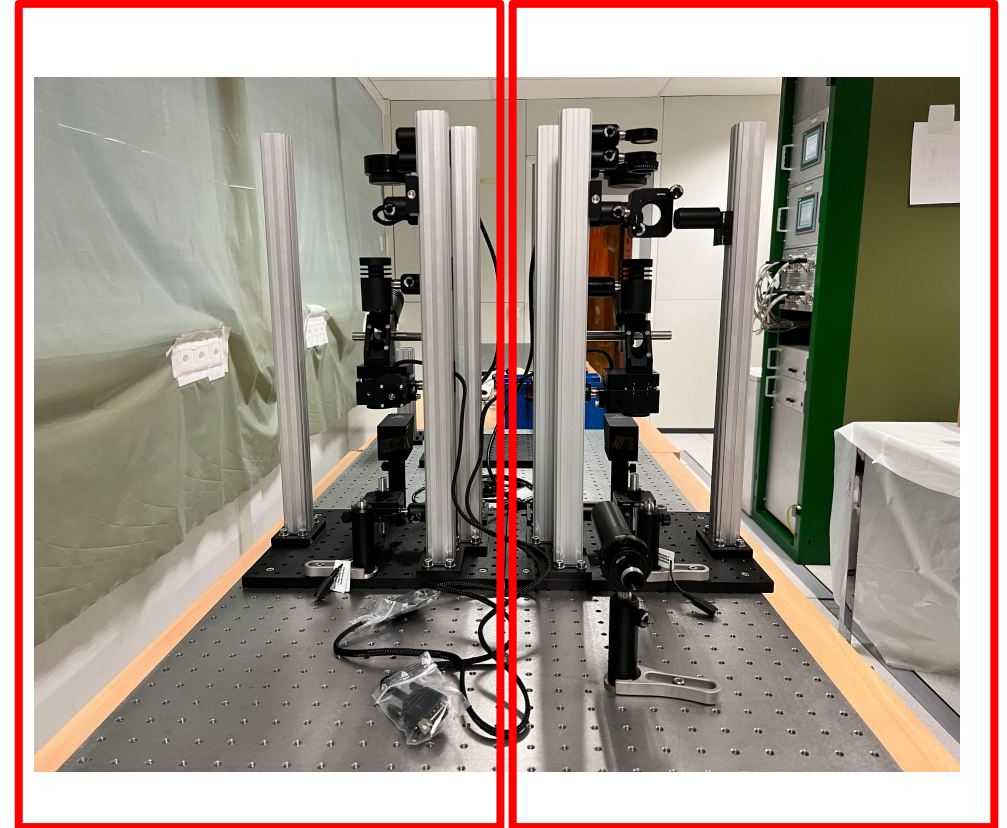
# At LANL

- Shipments 19 and 20 are on their way
  - Expected arrival: this week
- Shipment 21 ready for pickup
  - Expected arrival: early next week
  - Second shutter arrived and packaged in this shipment
- Laser Box Auxiliary Control Module:
  - Box design for RPi and limit switch readouts
  - RPi



# At CERN

- Vertical setups for P1 and P2 constructed
- Need to add components from shipment 19 (e.g. beam tubes and alignment rods)
- Tested the top hat for P2
- Assembled the laser stand for P1
- Modifications for the right-angle mounting brackets ongoing
- Modifications for the top panel to mount the breadboard positioners (ongoing)
- P3 breadboard arrived and secured

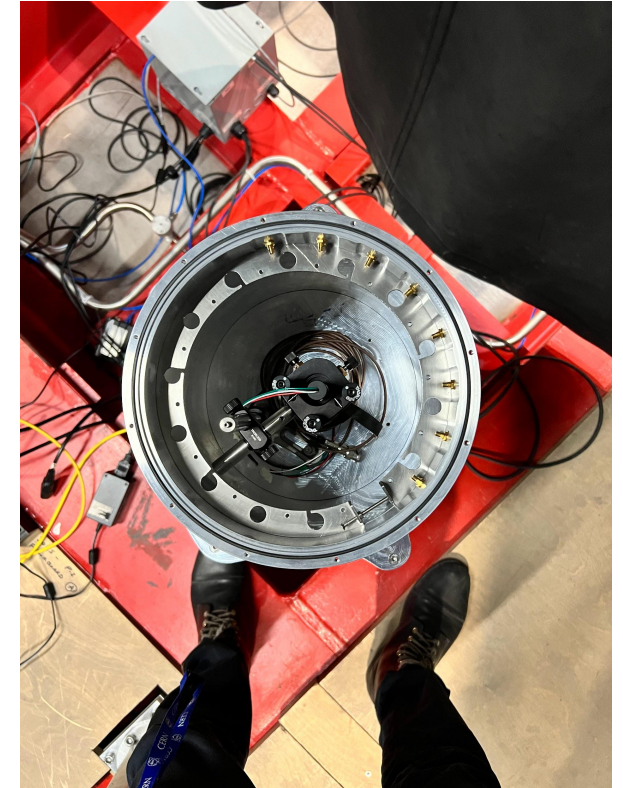
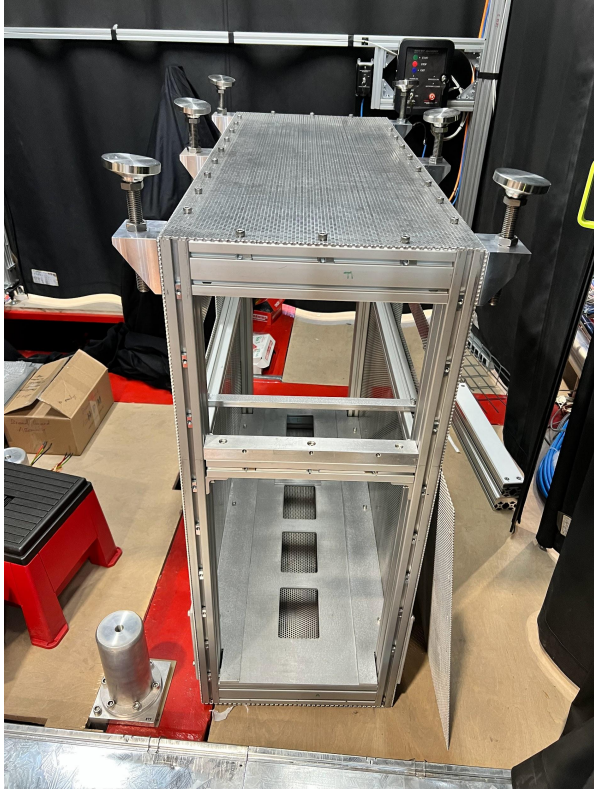


P2 Vertical Setup

P1 Vertical Setup



# Progress



# ToDo:

- - [ ] Make a cart of Bosch Rexroth-related items to purchase
- - [ ] Design step stools
- - [ ] Make a plate to go around the large pipe on the floor for P2 like a collar for light tightness
- - [ ] Lower the tents (awaiting Sh20)
- - [ ] Come up with fixtures for craning the breadboards
- - [ ] Cut down the Bosch Rexroth single bars down to length for cable supports
- - [ ] Make holes on the perforated panels for flange mounts (await Sh20, stud-driven hole punches)
- - [ ] Mount the laser stand with the modified brackets (**requested the bracket modifications**)
- - [ ] Level the feet for the laser stands using the 1mm shims
- - [ ] Level the feet for the breadboard supporting feet
- - [ ] False floor that goes behind P2 tent (**requested**)

- Working on the Laser Safety document