## Hall A - SoLID LAPPD
Pablo Campero

- Reviewed technical specifications of LC40 Gantry Stage system from Zaber Inc.; approved and PR submitted

Hall C – NPS
Mary Ann Antonioli, Peter Bonneau, Aaron Brown, Pablo Campero, Brian Eng, and Mindy Leffel

- Ran thermal simulation of crystal array model using Ansys Mechanical Transient Thermal
    - ✦ Simulation took ~66 hrs to complete; results are illogical—the maximum temperature is below the ambient temperature
    - ✦ Increased time steps and length of simulation from 110 s to 1000 s
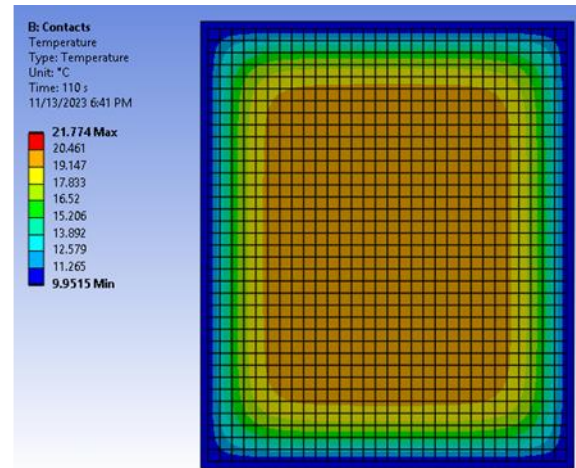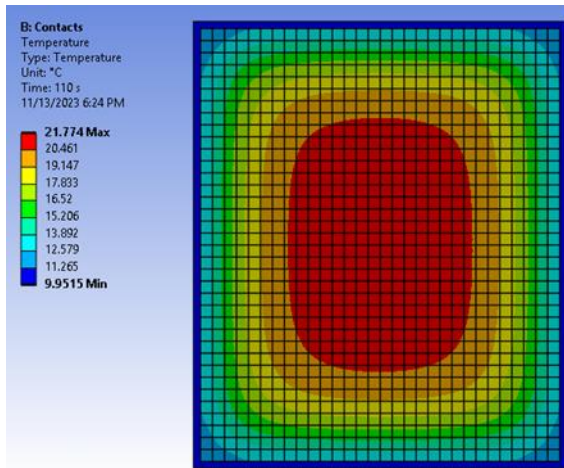
Screenshot of results of 110-s simulation using Ansys Mechanical Transient Thermal (left: front, right: back)

- ✦ Rerunning simulation
- Continued revision of LabVIEW control and monitoring software
    - ✦ Worked on subVIs for sensor disabling
- Fabricated a ferrule-to-ferrule relay cable

Hall D – FCAL2
Mindy Leffel

- Populated 20 PMT bases; 785/1750 completed
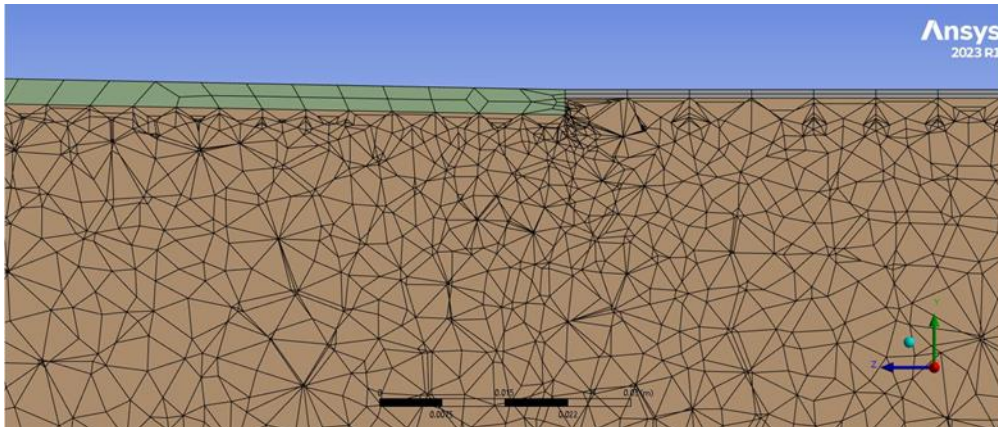- Cut 160 wires, stripped 50

EIC – Beampipe Thermal Test
Pablo Campero

- Reworked mesh due to issues found during first attempt of simulation

Close-up view, cross-section, of the meshed model for the beryllium, aluminum, and inner air fluid sections

- Set up material thermal properties and boundary thermal conditions
- Ran simulation; temperature values are not correct
    ✶ Investigation in progress
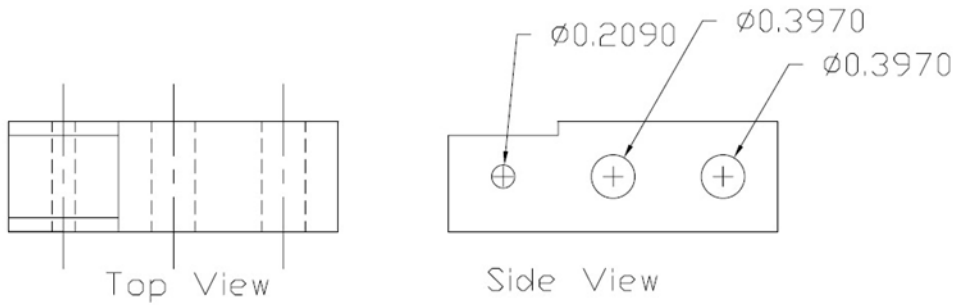
EIC - DIRC
Peter Bonneau, Brian Eng, George Jacobs, Tyler Lemon, and Marc McMullen
- Shipping crates
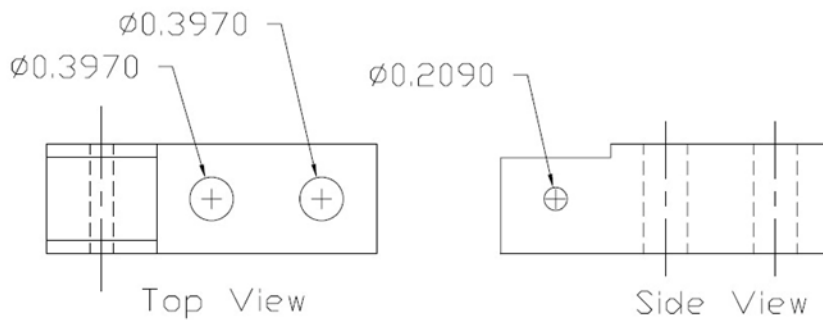   ✶ Drew bottom air spring bracket for shipping crates (below)
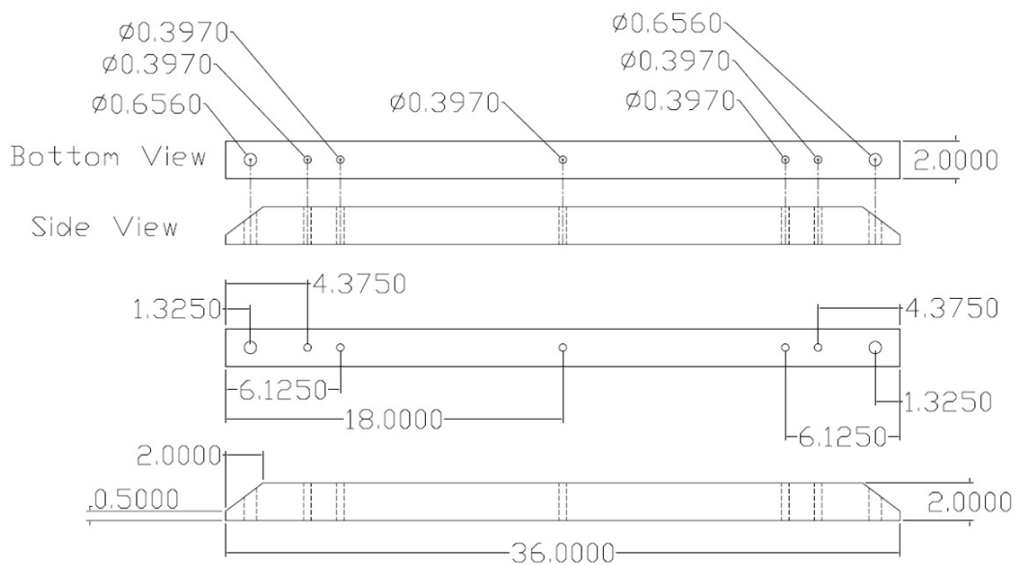
    ✶ Drew crate speed limiter (shock absorber) brackets for shipping crates (below)

Shipping Crate Limiter Brackets
-- Crate Upper Limiter Bracket --

-- Base Limiter Bracket --

- ✶ Created hardware list for air spring brackets and speed limiter brackets; ordered components
- Developed and tested Phoebus user interface layout files for Phoebus alarm test
  - ✶ Layout files automatically set up user displays and start Phoebus applications for the test
- Reviewed DAQ PCB
- Annotated code that runs on Arduino for DAQ system

DSG
Peter, Bonneau, Mindy Leffel
- Website
  - ✶ Continued Notes spreadsheet to be used for a future website upgrade; completed years 2017 and 2018
  - ✶ Revised mailing lists
- Met with ESH to review hazards of and get approval for using polyvinyl alcohol (PVA) with 3D printer
  - ✶ Discussed procedure for dissolving PVA supports in water and proper disposal of water
  - ✶ Waiting for ESH to process material safety information for PVA filament and advise on a setup for using in the 3D printer