

^3He target work report

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Identification of equipment at ESB

- Performed an inventory in the ESB and target lab to identify equipment we could use for GEn-II
 - Searching for breadboards
 - Old reference cells
 - Other miscellaneous reference cell equipment

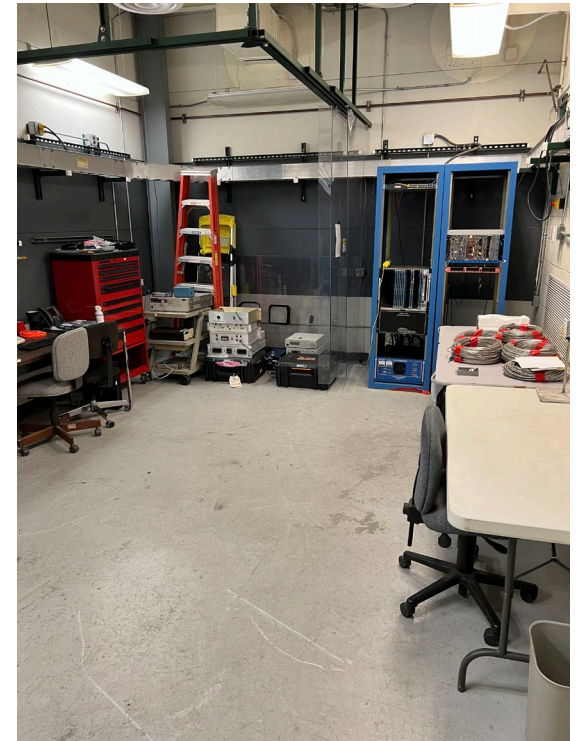


Clean up of laser room

- Laser room will house the lasers and the associated laser fibers
- Laser fiber testing is in progress and we have to pull them into the hall once ready



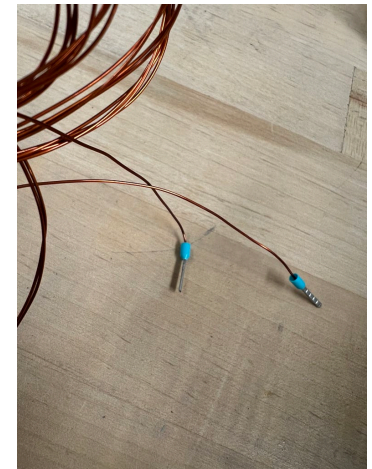
BEFORE



AFTER

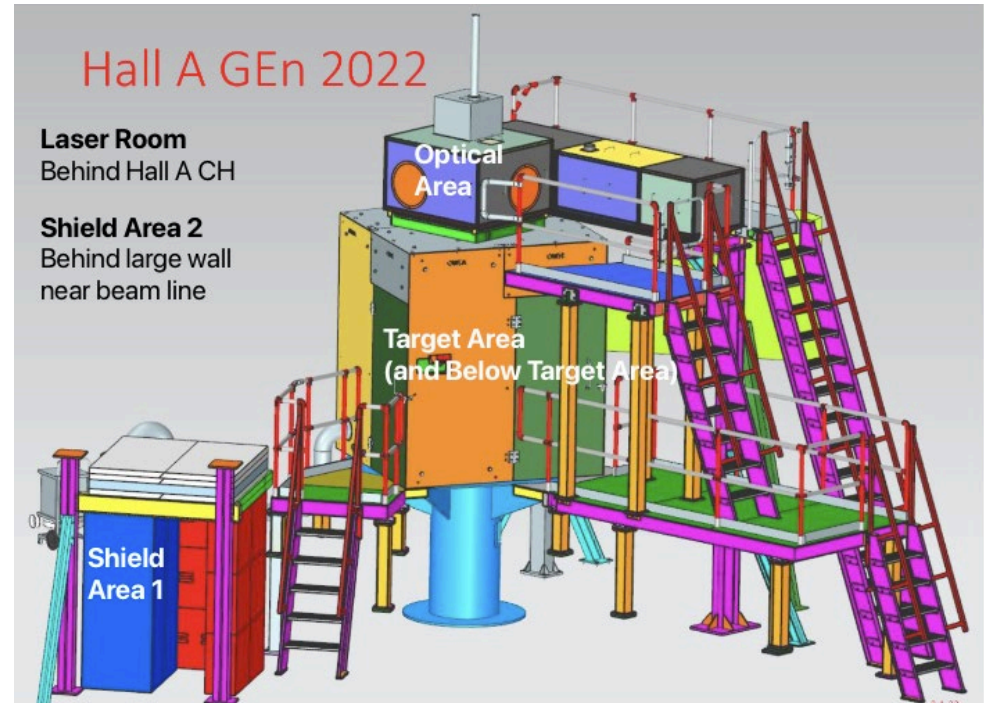
Making new RTDs

- Mindy Leffel from DSG helping with manufacturing new RTDs
- Need to order the parts
 - Ferrels
 - Heat shrink
 - RTDs
 - Wire (extra spool)



Plan for this week

- Move the Helmholtz coil power supplies to the hall and start connections
- Identify areas to stage various electronics components
- Break down the EPR and NMR systems in the target lab and take these components to the hall
- Identify various cable lengths that go from the target pivot area to their respective device locations



Software side..

- Discussions with Ellen and Jack in progress in terms of reviving some of the software used for A1n/d2n experiments
 - Target ladder motion software (need the new encoder positions)
 - Readout of RTDs placed at various locations along the oven, target and reference cells
 - Oven heater control software
 - If we use Agilent power supplies (instead of Kepco), need to find a switch to swap the polarity remotely