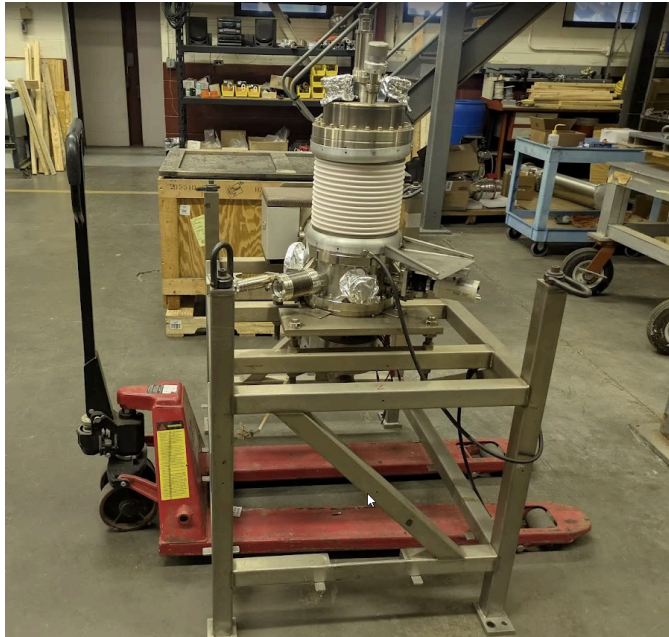


He3 ABS Meeting Minutes

July 3, 2025

Updates from Prajwal

- New configuration (+ analyzer magnet): height approximately 2.5 feet too short in mezzanine
 - Add in stand; one pictured below offers approx 3 ft of extra clearance so should be sufficient
 - Will be added in by the crane
 - Cryogenic chamber will sit on top of stand, analyzing magnet sections will hang down



- Cryogenic insert cleaned, pieces were uncoupled; assembly started
 - 1K, 4K pots, activation systems
 - Bracing process started; following Ernie's suggestion
 - How to tension copper tubing around pots/grooves & sauter them as such?
 - Quote in the next two weeks?
- Began assembling pieces of RGA
 - Cleaning up work area
 - Have not added horizontal components of RGA
- Power supplies to drive electrode
 - Vacuum testing of electrodes to get as high of an electric field as possible
 - Vacuum testing required before we do characterization (ideally done characterization before January)
 - 3 candidates
- Focus on cleaning up cryo insert and magnets
- Editing paper

- Timeline: re-designing cryo is done, Jim working on quadrupoles next week, on step 2 on timeline overview

Organization scheme(s)

- Open Project (Bates framework)
- Wiki (BNL)
 - Meeting minutes/topics
 - Links to files
 - Vera will add everyone
 - Software?
 - <https://github.com/tmprajwal?tab=repositories> (Profile_Sim)
 - Discuss public/private settings (reading vs editing)
 - New image
- Indico page
 - Retain for meeting minutes

Papers (2)

- First paper now including analyzing powers
- Second paper describing technical upgrades to ABS
- Formalizing simulation toolkits so others can also use it
 - Journal publishing this