

EIC Outer Barrel Tracker Test Article Assembly Status

Xinzhan Bai — Aug 20, 2026

Current Status — Preparation Area (EEL126)

- Detector materials are all ready
- EEL126 — Fume Hood and Ultrasonic bath installation completed
- Fume Hood certification to be completed by end of this week
- Current plan is to use **distilled water** for ultrasonic bath — Seungjoon is looking into options



Current Status — Cleanroom

- Cleanroom refurbishment completed
- major instruments installation completed
- House cleaning work



JLab ES&H Required Tests

Assembly Related ES&H Tests

- Gluing test — ES&H mock-up gluing test to monitor airborne chemical levels and establish safe work procedures
- Sanding test — ES&H provided HEPA vacuum, Nitrile gloves, masks, test airborne G10 dust levels and establish safe work procedures
- Fume hood test — ES&H require to be on the scene when performing the first glue and varnish job, test airborne chemical levels around the fume hood
- Ultrasonic bath test — before releasing water to drainage, ES&H to test chemical and G10 concentration levels

- Earliest possible date for cosmic test — end of October
- With a reasonable buffer — early December

[illegible]

Backup

Outline

- Instruments & Lab Space Status
- Timeline