

Cosmic Explorer Beamtube EXperiment (CEBEX)

Program status (quick) update

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LIGO Laboratory and Cosmic Explorer Consortium

Joint Bimonthly CE/ET Vacuum Studies Working Group

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[LIGO-G2500225-v2](#)

CEBEX Program Update



- Tube design, material selection and bakeout
 - See talks by Dennis/Alberto, Dan and Jon/Melina later
- Lab Construction
 - DOE and NSF finally **approved NEPA/NHPA* construction permit**, but...
 - **No acceptable construction bids** were received by 12 March deadline
 - We will now solicit design only, and manage construction in-house
 - Optimistic revised schedule gives spring '26 occupancy (-9 months wrt proposal)
 - Exploring temporary use of other space at LHO for preparatory work
 - Contract(s) require NSF approval **and availability of sufficient funds**
- NSF funding uncertainty has escalated since February
 - Impacts recruiting & staff augmentation
 - Impacts contract commitments
 - Impacts interaction with LIGO Operations

9/30-10/2/25 @ LIGO Hanford

REGISTRATION NOW OPEN AT

<https://sites.google.com/ligo.org/beamtubeworkshopspring2025/home>

- Please consider registering as soon as possible
- There is a registration fee for in-person attendance
 - Remote participation will be supported (insofar as possible)
- A limited number of hotel rooms has been secured at GSA rate, linked through the above URL
- Please contact me or Fred with topic and agenda ideas