

2x2 Demonstrator Operations Status

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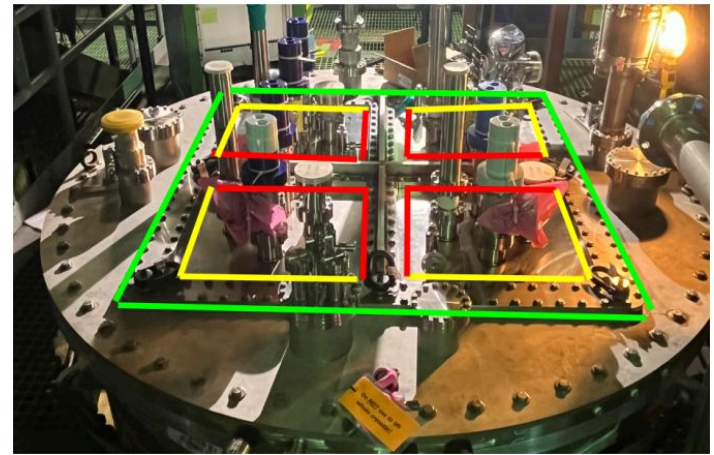
Current Status

- The cryostat was emptied back in August to work on leaks and adjustments to the cryogenics system, more on the next slide.
- Currently, we plan to keep the cryostat empty until we get the NuMI beam back.
 - We have a small onsite team, which deters us from operating without beam for an extended time.
 - We would need to know at least a month in advance when the beam is coming back to be ready.
- We might fill the cryostat at some point next year to carry out beam-off testing, currently in discussion.

Summer Modifications

- Address the leak of the Indium seal
 - Procedure for applying epoxy developed and tested
 - Epoxy not applied yet
- Raising the condenser intake line (raised by 60mm) ✓
- Other items:
 - Coldhead send back to cryomech for repair ✓
 - Filter media replacement ✓
 - Gas analysers modified to test gAr dewars ✓

Applying the epoxy and filling with LAr is estimated to take a month total.



Top: Leak location. Bottom: condenser intake

