

LAr R&D Progress Report

Yichen, Jay, Sergey, Steve

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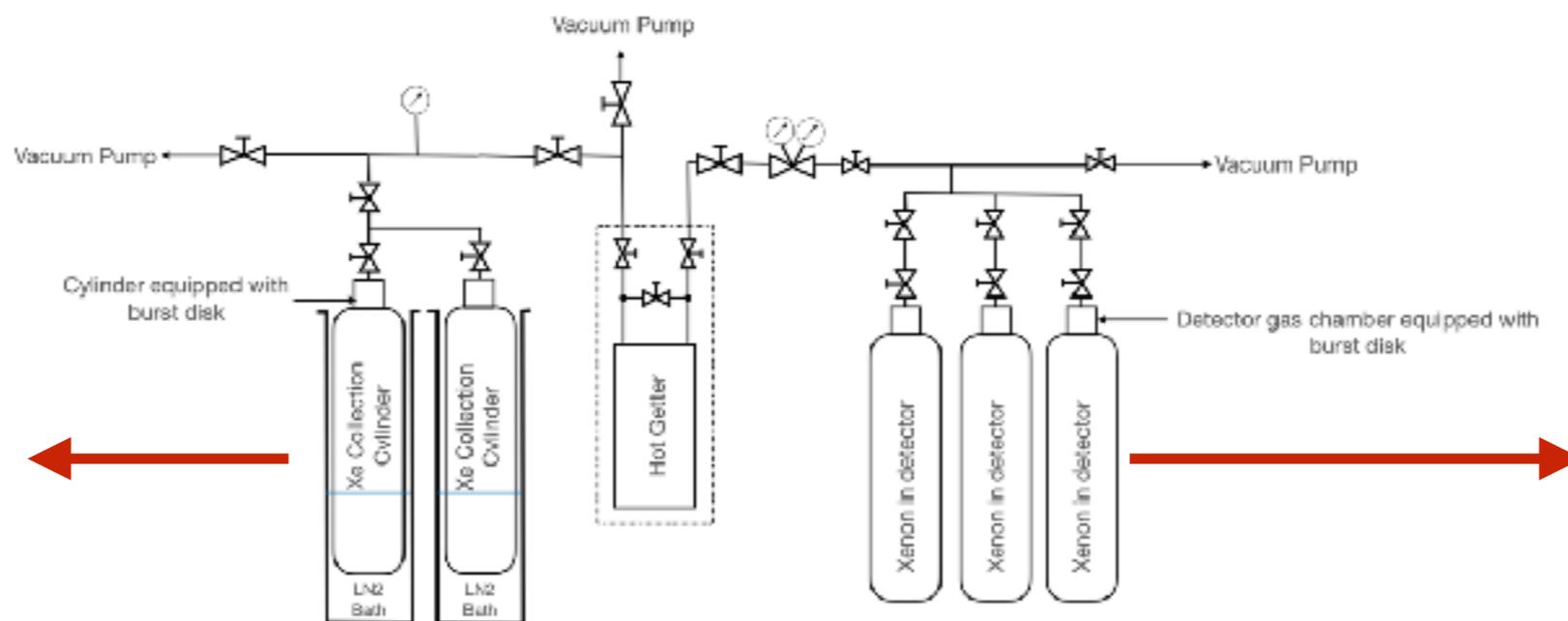
Lab Safety and Space Management

- High Bay lamp and heater repair
 - Heating fixed at our area in highbay
 - Lights are not yet fixed due to incompatible ballasts ordered, will be delayed for the future
- LN2 plumbing for 6000-gallon tank
 - Technifab revised the quote for design work following the SOW provided by BNL
 - MPO is processing the paperwork to award the design contract first
- Highbay roof leakage
 - A couple of leakage found during the storm of the passed weekend
 - Tent above our setup well protects the equipment from the leakage
- ESR renewal
 - ESR draft have modified and routing for signatures



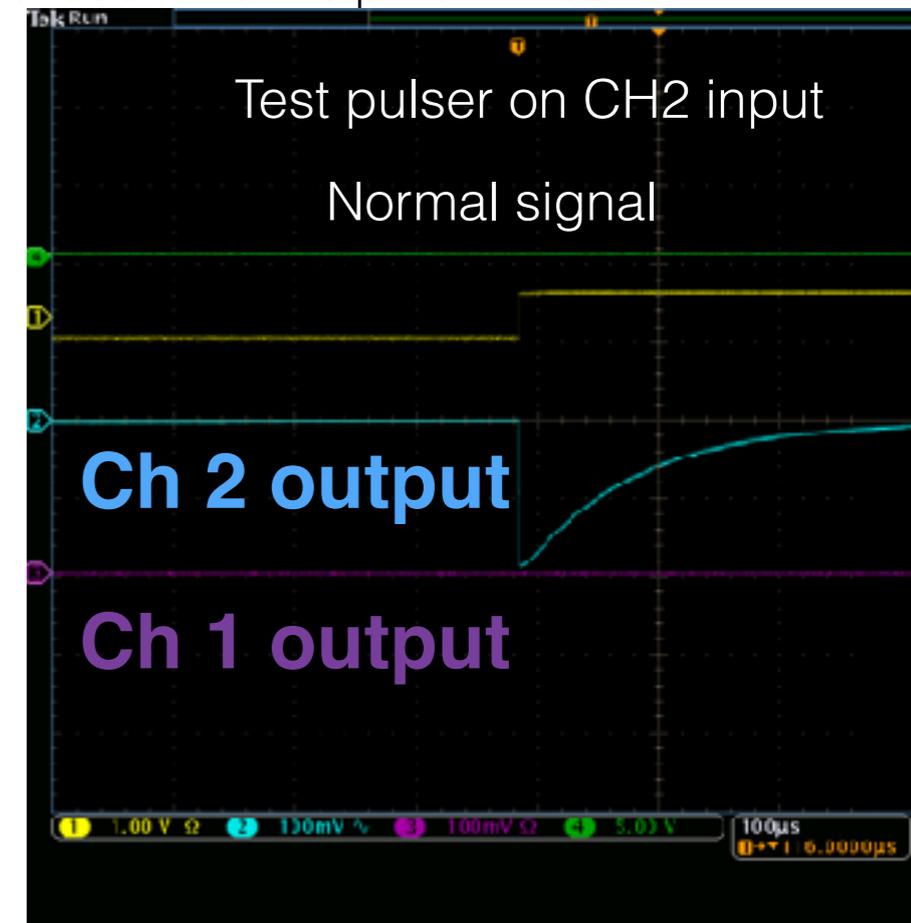
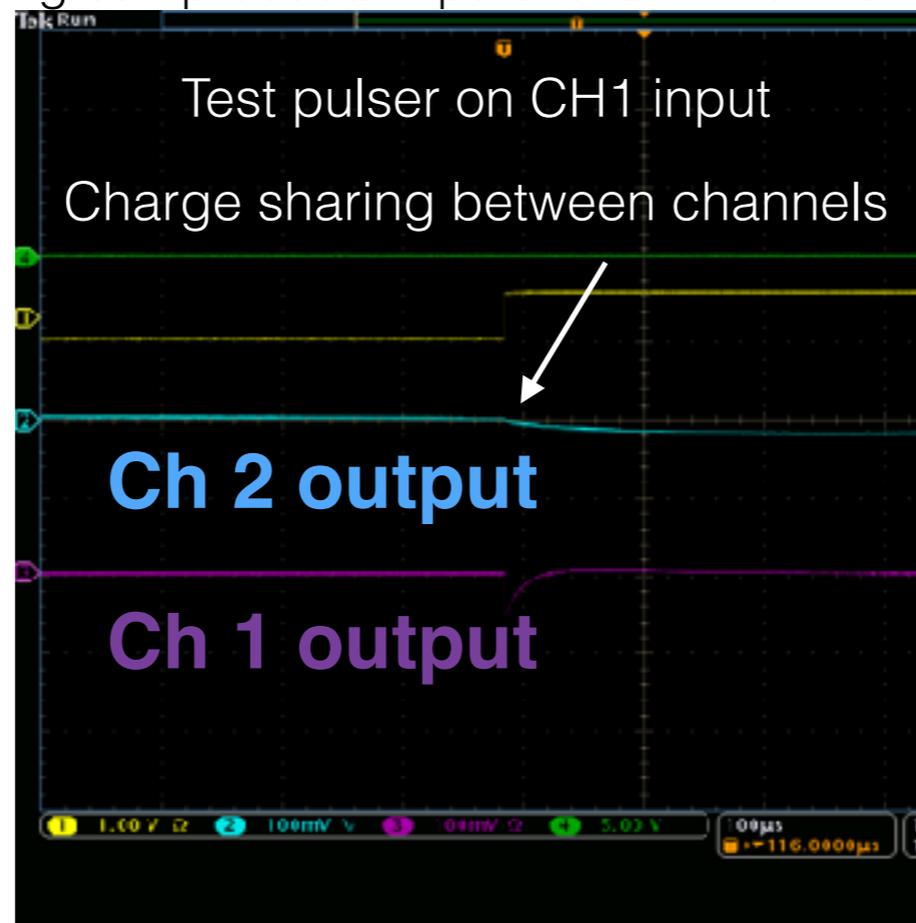
LXe Collection for PIONEER

- PIONEER beam test with LXe scheduled for 2025
- Aluminum gas cylinder for Xenon collection
 - Cylinders have DOT stamps and burst disk
 - Mike Gaffney is going to drop by to inspect the cylinders
- Design and SOP drafting in progress to get the work permit for the LXe collection work



PrM Troubleshooting

- Checking the wire lead connections
 - Found obvious touching wires on one output and separated the wire lead
 - Cleaning up the residual solders
- Signal was observed when putting the test pulse on CH 2, all inputs grounded
 - Output signal should be expected only in the corresponding channel
 - The signal observed on the other channel indicates charge sharing between channels
 - Consulting with Jianming and Wenjie, more likely due to wiring, not preamp problems
 - PrM troubleshooting can proceed in parallel with the filter activation with help from Nitish



LAr Filling Plan

► **Planning document on Google Doc:**

- Still aiming for LAr fill by the end of this year
- Plumbing for the inline filter re-activation
- LAr refill ordered
- LN2 in the 6000-gallon is sufficient for the next run, bulk order will be done later
- Activating the inline and on-system filter this week
- Document available on https://docs.google.com/document/d/1JMK52c_B59K-FxYff_xQGPXfWVEh2adOVI5HIVr_mqo/edit