SpinQuest: Status Update

Proton PMG meeting

February 6, 2025

Vaniya Ansari

Mississippi State University (for the SpinQuest Collaboration)





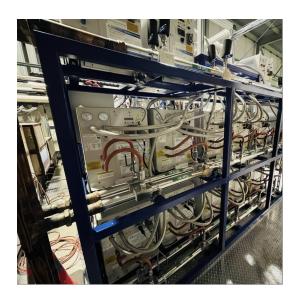




Leak fix in the QT compressors: LCW

- Discovered leaks in the QT compressors return line: three broken hose
- Replaced with new fittings, problem fixed. LCW system is running at NM4
- kMag reverse polarity test is planned for next week on Wednesday





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Polarized target update: IVC repairs

• Two new turbo pumps and controllers received last week, installation of the turbo pumps is in progress





Polarized target update: slow-control rack

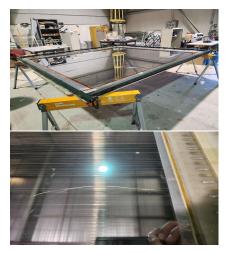
- The new extended slow controls rack is in place
- The guardrail extension for the slow-control rack has been installed



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Spectrometer Update: Chamber repairs

D0VV'



- The high-voltage (HV) training of D0VV' chamber is in progress
- The broken wires on the ST2XX' chamber have been diagnosed and fixed. Other diagnostics are still in progress ST2XX'



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