**MSD Machine Operations Report Summary March 20, 2023**

**Linac/Booster/Pre-Acc:**

1. Friday, we connected a chiller to the bulk tuner on Take 5. We got it running Friday evening and ops started beam. It ran fine for a while then around 6 pm Friday it stopped running. It was re-started, and it has been running fine so far. There may be air in the system that caused an air lock.

**MI Vacuum/Water:**

1. The orange hose at 326 was replaced during the Friday access.
2. I:IP400B was inspected. High voltage connector between the power supply cable and the pigtail cable, was submerged in water due to the issues with the sump A and sump B.  The cables will need to be re-terminated.
3. Switched from pump #2 to pump #1 on the Abort RAW skid.  However, the motor on pump #1 was wired backwards and needed the phases switched.
4. I:IP400C and R:IP400B had faulted, but reset without issue.
5. We will be getting parts ready to re-build MI40 Abort system pump/motor.

**NML/CMTF/CUB/Other:**

1. NML, CMTF, MS6, and MP7 compressed air and LCW systems are running well.
2. We are regenerating Column II at CUB.
3. At NML, contractors will perform PMs on screw compressors at the lower level.

 **External Beams:**

1. MS2 LCW system was made up over the weekend. We will be doing gas and LCW rounds today.
2. F17 vacuum bellows work was done Friday-Saturday. It has gone well.
3. All parts are ready to perform NS2 LCW system DI loop balancing. Need some personnel planning to complete this task this week.