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Muon Campus Operation Report

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Friday 09:00 Operation Meeting

April 08, 2022

Activities for the Past Week (1)

- **Friday 04/01:**
 - During owl shift M1 ion pump IP100 started frequent tripping most likely due vacuum issues in the P2 line
 - Decided to leave pump off for the weekend
 - Provided beam to g-2 all day/night
 - In the evening shift and during a g-2 trolley run we carried out beam optics measurements upstream the target area
- **Weekend 04/02 and 04/03:**
 - Provided beam to g-2 all weekend .
 - Vacuum problem was worsening in the upstream M1 line

Activities for the Past Week (2)

- **Monday 04/04:**
 - Provided beam to g-2 all day
 - Replaced M:IP100 power supply as well as some of the old power supplies in the P2 line
- **Tuesday 04/05:**
 - 6 am turned g-2 beam off
 - Conducted DR safety system tests
 - Started D:IB repair: Old cables removed and replaced
 - Started V907 repair: Old beam pipe removed, vacuum windows installed
 - Target blower maintenance

Activities for the Past Week (3)

- **Wednesday 04/06:**

- Finalized D:IB repair: Connected cables and installation of LOTO test points (to be continued next day)
- Finalized V907 repair: leak check complete
- Instrumentation check out in the DR, extraction and M4
- Rad survey in the M4 line
- Plug in LVDT cable to M4 collimators so that controls can read them

- **Thursday 04/07:**

- Installation of LOTO test points on Muon Campus complete
- Polarity switch of V907 for Mu2e mode
- Evening shift started establishing beam into the M4 beamline: H910 current issues – to be investigated further on Friday

Plan for Next Week

Thanks to:

- Interlocks group
- Safety group
- Operations
- EE Support
- Mechanical Support

g-2 operation:

- Send beam to g-2 during evening shift tonight
- Continue delivering beam to g-2 rest of the week