PT status and planning

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Outline

- Activities since last TB
- Shopping list
- Planning
- Manpower
Activities since last TB

- Target loading platform put in place 1/2
- Exchange 4 valves on $^3$He panel 5/2
- Exchange $\text{IN}_2$ turret o-rings 15/2
- Restart diffusion pump 17/2
- 2 EIOs sent to CPI: 1 irreparable, 1 to be repaired
- Reinstall $^3$He safety valves (safety inspection)
- Reconnect $^3$He line
- Leak check isolation vacuum
- Leak check $^3$He circuit
- Leak check $^4$He circuit
3He gas panel

Replaced
3He valves

New female coupler

Old male coupler
Magnet o-ring exchange
Target holder
Upcoming/In progress

- Purging of $^3$He pumps by $N_2$ gas circulation
- $LN_2$ trap preparation
- Start circulation in $^3$He circuit with He gas
- Install $LN_2$ pre-cooling circuit
- Magnet purging and leak-check
- $^4$He rotary pump repair
- Gunn diode setup installation
Shopping list

- 2 additional Gunn diode sets to be ordered (Yamagata)
- 3 spare Q-meters (1 already tested)
- Repair of EIO (Prague)
- MW elements – waveguides, directional couplers, amplitude detector (Prague)
- 250x5 mm o-rings (2 to be returned to Cryolab)
- Vacuum gauge, few vacuum elements
- PC USB-GPIB
- Indium wire
- ...
Q-meter test (Gerhard R.)

- $^6$LiD TE signal at 77 K
Slight delay, LHe expected 29/3, loading delayed ~1 week
Under discussion: Tino Vacca (Cryolab) for loading
Spares
Gunn diode installation

- New support table needed (about 1 m from DR)
- New air blower to be installed (cooling)
- Long wave guides needed
Safety region for field rotation

MSS for field rotation

Dip

+465 A

+80 A

+135 A

-80 A

-135 A

-236 A

+236 A

Sol

To be checked

Allowed region by MSS