PT status and planning

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Outline

- Activities since last TB
- Planning
- Manpower
Activities since last TB

- Warming up the system
- $^3$He pipe reinforcement welding week of 22$^{nd}$ November
- Leak detector maintenance
- $^4$He pumps maintenance
- Repair gate valve control cable connector
- Exchange $^3$He gate valve coil
- Lab testing of the 2 new Gunn diodes
Disconnected all pipes on the concrete wall
To avoid possible electronics damage by leakage current from welding
Stiffening rings welded in place

$^3$He pumping line leak checked after reconnection, fixed gate valve control cable damaged during the operation
New features of the system:
• Internal reference 10MHz generator (no need for external generator)
• Control via USB/Ethernet/optical fibre
• Optical fibre/Ethernet converters to be purchased
• New control system
Activities continued

- Restart isolation vacuum pumping 2\textsuperscript{nd} February
  some difficulties to restart due to water pressure sensor → resolved by EP-DT (bypass)
- Exchange $^3$He pumps oil 3\textsuperscript{rd} February
- Reconnect $^4$He pumping line (new teflon seal) 4\textsuperscript{th} Feb
- Leak-check $^4$He pumps & new seal 4\textsuperscript{th} Feb
- Exchange 1 $^3$He gas panel valve (Tino Cryolab)
- $^3$He pumps purging by $\text{N}_2$ gas – ongoing
- $^3$He circuit leak check - ongoing
Schedule for 2022

Preliminary planning
Loading 15/3 → possibly shift by one week due to DSO tests in 888
Final confirmation expected for Jaakko
Discussion ongoing with Dubna to fix the presence of experts
Yamagata presence might be affected by travel restrictions
Conclusion

- PT preparation in full swing
- Schedule (well) defined
- Manpower availability is essential!
Spares
3He valves

New female coupler

Old male coupler
3He gas panel

Replaced