

Polarized target status
- preparation for DY program in 2018-

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Topics

- Man power
- Pump room air conditioner
- Magnet
- Material cleaning
- Key issues about preparation schedule
- New leak detector

Man power

- Jaakko involving in preparation already
 - communication every week
 - coming CERN on 26/9 for about 2 weeks
 - December 2017 – August 2018 ?
- Yuri
 - Microwave setup
- Fabrice
 - come to help ??

Pump room air conditioner

- Present air conditioner
 - 59 kW cooling power
 - set on the roof
- New air conditioner
 - 10 kW cooling power
 - should be set inside the room
 - cooling water needed – no problem
 - size : ~100 cm x ~100 cm x 50 cm(d)
 - probably a lot in the stock
- Meeting with Johannes and Jani Lehtinen (EN-CV-OP)
 - Jani : 2 sets enough
 - 3 units will be installed until the end of this year
 - first : hanging second : north face wall
 - (third : north face paid by Johannes)

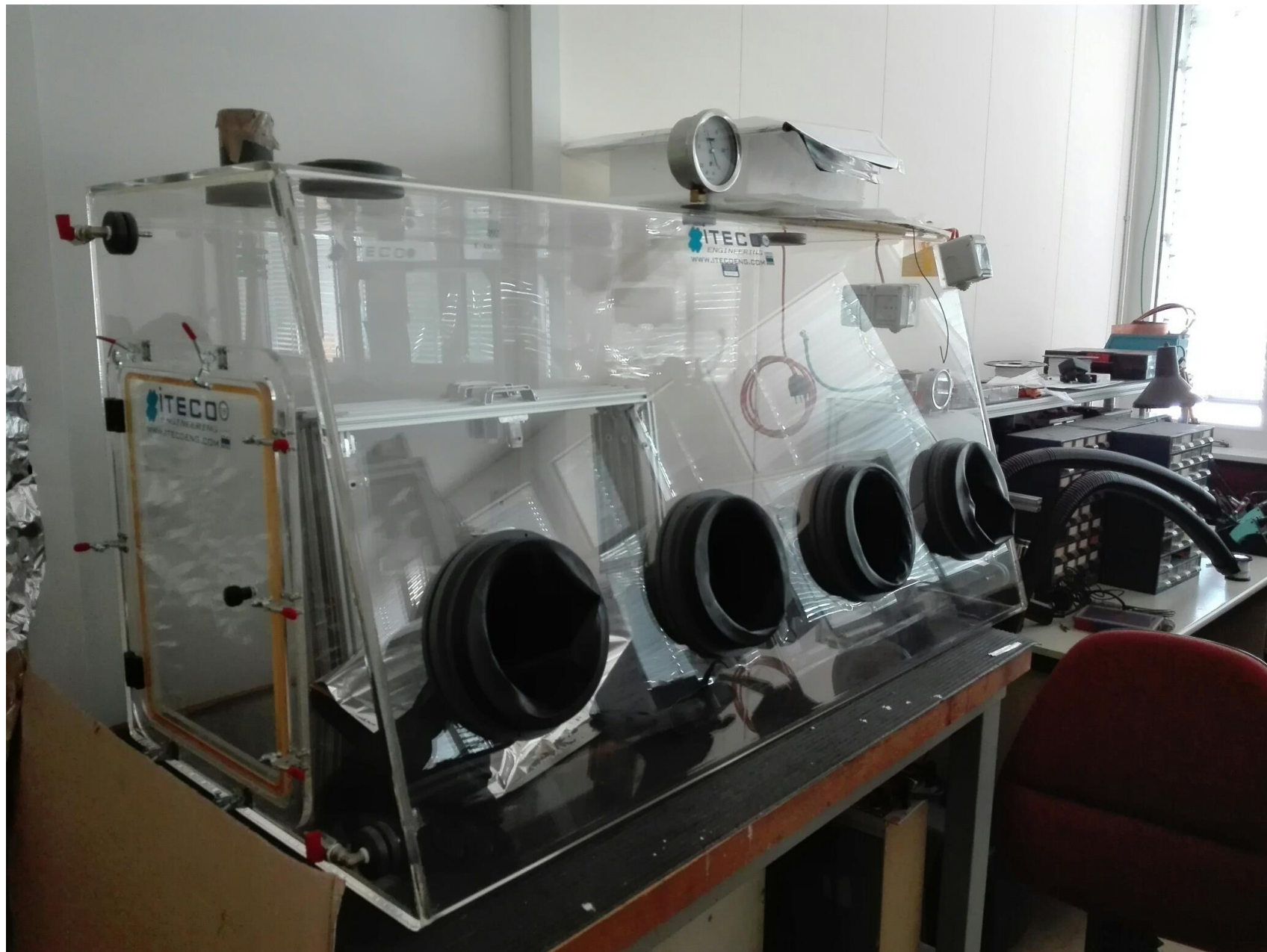
Magnet meeting

- July 21 : meeting with EP-DT-DI
- Detail information shown by Caroline
- Schedule of preparation of the PT magnet and diffusion pump system
- New magnet operation procedure
 - should be discussed with Sylvain

Material cleaning

- Material weight measured in 2015
- Removing dust and water ice inside glove box
 - I thank Fulvio for glove box
 - will be done in the beginning of Oct.
- Measure the weight again

- Preparation of glove box
 - N2 gas line
 - protection for bottom part of glove box
 - gas mask





Key issues for schedule

- 2018 January : Magnet cooling (as soon as possible)
 - target commissioning schedule fixed
(Empty run or magnet homogeneity?)
 - discussed in the next target meeting (19/9)
- 2018 February : Magnet commissioning
- 2018 March : Target commissioning and TE calib.
- **2018 April 9** : Beam in NA

Commissioning in 2018

	2015	2018
Solenoid: from 0 to Nominal current (both polarities @ bldg 888)	OK	
Solenoid: from nominal current to 0 (both polarities @ bldg 888)	OK	
Dipole: from 0 to nominal current (both polarities @ bldg 888)	OK	
Dipole: from nominal current to 0	OK	
Stop procedure (before a procedure completion)	OK	
Longitudinal field homogeneity	OK	
From $\pm 2.5\text{T}$ longitudinal to Transverse (both polarities)	OK	New procedure
From Transverse (both polarities) to $\pm 2.5\text{T}$ longitudinal	OK	New procedure
TE calibration procedure	OK	
Trim coils checks	OK	
Very slow discharge (through cables)	OK	
Capability to recover current from a very slow discharge	OK	
Fast Discharge	@ $\pm 50\text{A}$	

Next meeting

- 19/9 14h00 892-1-D20
- Werner Meyer will attend.
- Jaakko will join via Vidyo.

- Polarized deuteron target in 2021

New leak detector

- Present leak detector
 - Alcatel 181 T2 (almost 20 years old)
 - annual maintenance cost : 7500 euro
- New leak detector
 - Inficon UL5000 : almost same specification as Alcatel 181 T2
 - Order : done by Gerhard
 - Delivery : end of October

