



Wrap-up session – Day 2

A. Henriques

Cryogenic Safety – HSE Seminar
22nd September 2016
CERN



Day 2 – Questions ??

Pressure relief protection in cryostats: CERN's experience on LHC and HIE Isolde	<i>Vittorio Parma et al.</i>
503-1-001 - Council Chamber, CERN	08:40 - 09:10
Safety aspects of superconducting magnets for Super-FRS	<i>Hans Guenter Mueller et al.</i>
503-1-001 - Council Chamber, CERN	09:10 - 09:30
Block 4 and Cluster D - Safety	<i>Vladislav Benda</i>
503-1-001 - Council Chamber, CERN	09:30 - 09:50
Cryogenic safety of the superconducting ALPI accelerator at INFN-LNL	<i>Ruggero Pengo</i>
503-1-001 - Council Chamber, CERN	09:50 - 10:10
Coffee Break	
503-1-001 - Council Chamber, CERN	10:10 - 10:35
Cryogenic Safety Rules and Guidelines at CERN	<i>Simon Marsh</i>
503-1-001 - Council Chamber, CERN	10:35 - 10:55
ISO and EIGA standards for cryogenic vessels and accessories	<i>Hervé BARTHELEMY</i>
503-1-001 - Council Chamber, CERN	10:55 - 11:25
CRAB cavity project – Mechanical design and safety	<i>Luca Dassa</i>
503-1-001 - Council Chamber, CERN	11:25 - 11:45
Strategy for conformity of non-standard cryogenic equipment	<i>Carlos Arregui Rementeria et al.</i>
503-1-001 - Council Chamber, CERN	11:45 - 12:05
Mechanical Designs for Relief Valves for Cryogenic Apparatuses and Installations	<i>Fridolin Holdener</i>
503-1-001 - Council Chamber, CERN	12:05 - 12:25

Safety in Cryogenics – Safety device sizing	<i>Mr. Eric Ercolani et al.</i>
503-1-001 - Council Chamber, CERN	14:00 - 14:20
Investigation of Two-Phase Flow in Cryogenic Pressure Relief Devices	<i>Christina Weber et al.</i>
503-1-001 - Council Chamber, CERN	14:20 - 14:40
Sizing of safety valves for multi-phase flow - ISO 4126 and state of knowledge	<i>Jürgen Schmidt</i>
503-1-001 - Council Chamber, CERN	14:40 - 15:00
Numerical study of saturation steam/water mixture flow and flashing initial sub-cooled water flow inside throttling devices	<i>QUANG Dang Le et al.</i>
The numerical evaluation of the minimal outlet area of the safety valve in the pipelines of cryogenic installations	<i>Dr. Ziemowit Malecha et al.</i>
Coffee Break	
503-1-001 - Council Chamber, CERN	15:40 - 16:05
Investigation of the cold process pipe rupture mechanism	<i>Maciej Dziewiecki et al.</i>
503-1-001 - Council Chamber, CERN	16:05 - 16:25
Risk assessment of cryogenic installations – implementation, applicability of methodologies and challenges at CERN	<i>Carlos Arregui Rementeria</i>
Risk Assessment tailored to cryogenics - LINDE approach	<i>Stefan Rath</i>
503-1-001 - Council Chamber, CERN	16:45 - 17:25
Application of risk-based inspection methods for cryogenic equipment	<i>Simon Marsh</i>
503-1-001 - Council Chamber, CERN	17:25 - 17:45

Visits

- Friday morning - 23rd September
- Only open due external participants
- Visit Points
 - ATLAS experiment (*surface installations*)
 - Synchrocyclotron
 - CryoLab
 - SM18 exhibition
 - CCC 'CERN Control Center'

Visits

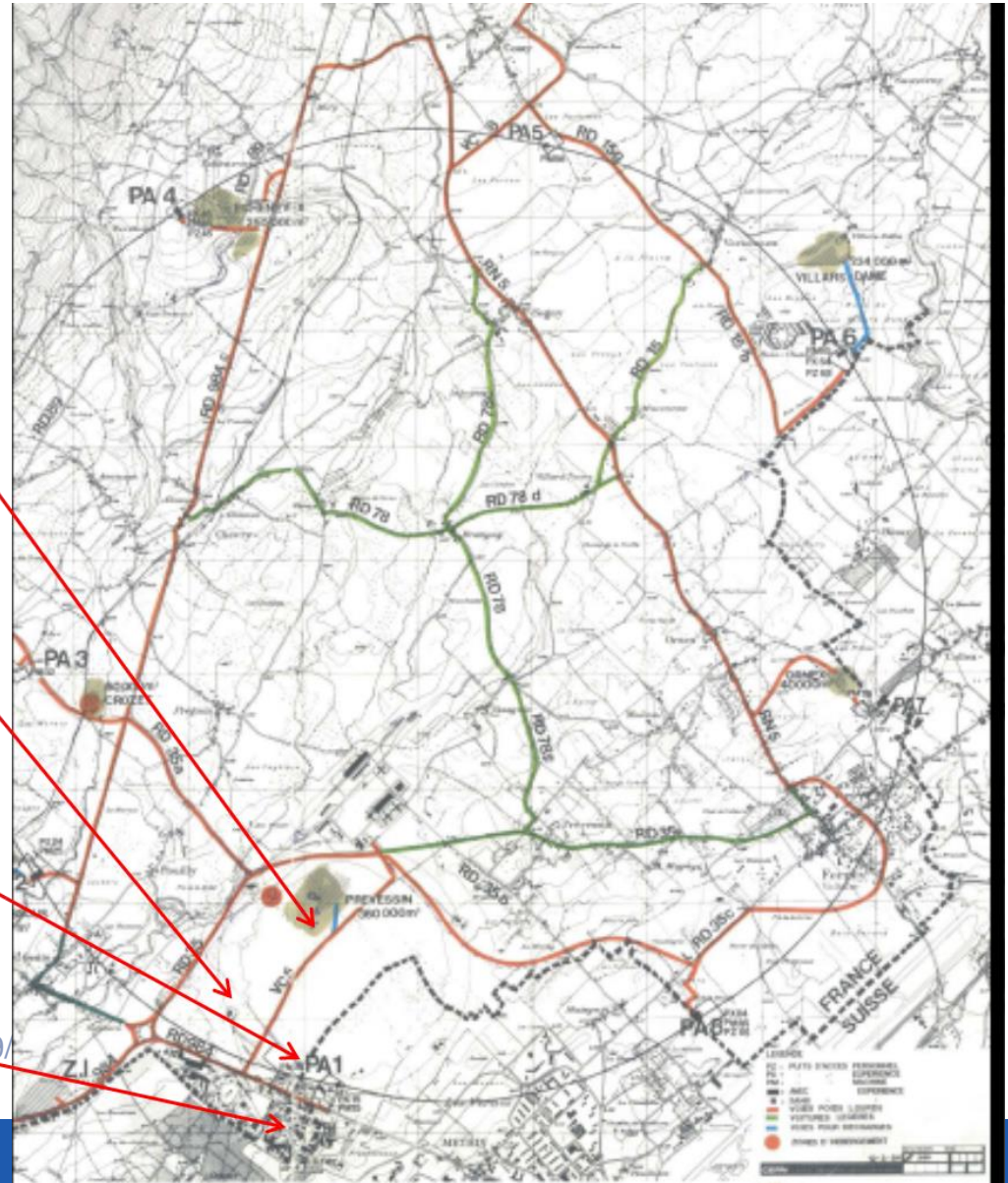
The flyer is available in INDICO:
https://indico.cern.ch/event/495194/attachments/1255666/1983836/TOUR_for_HSE_Seminar.pdf

Laboratory 2: CCC

SM18

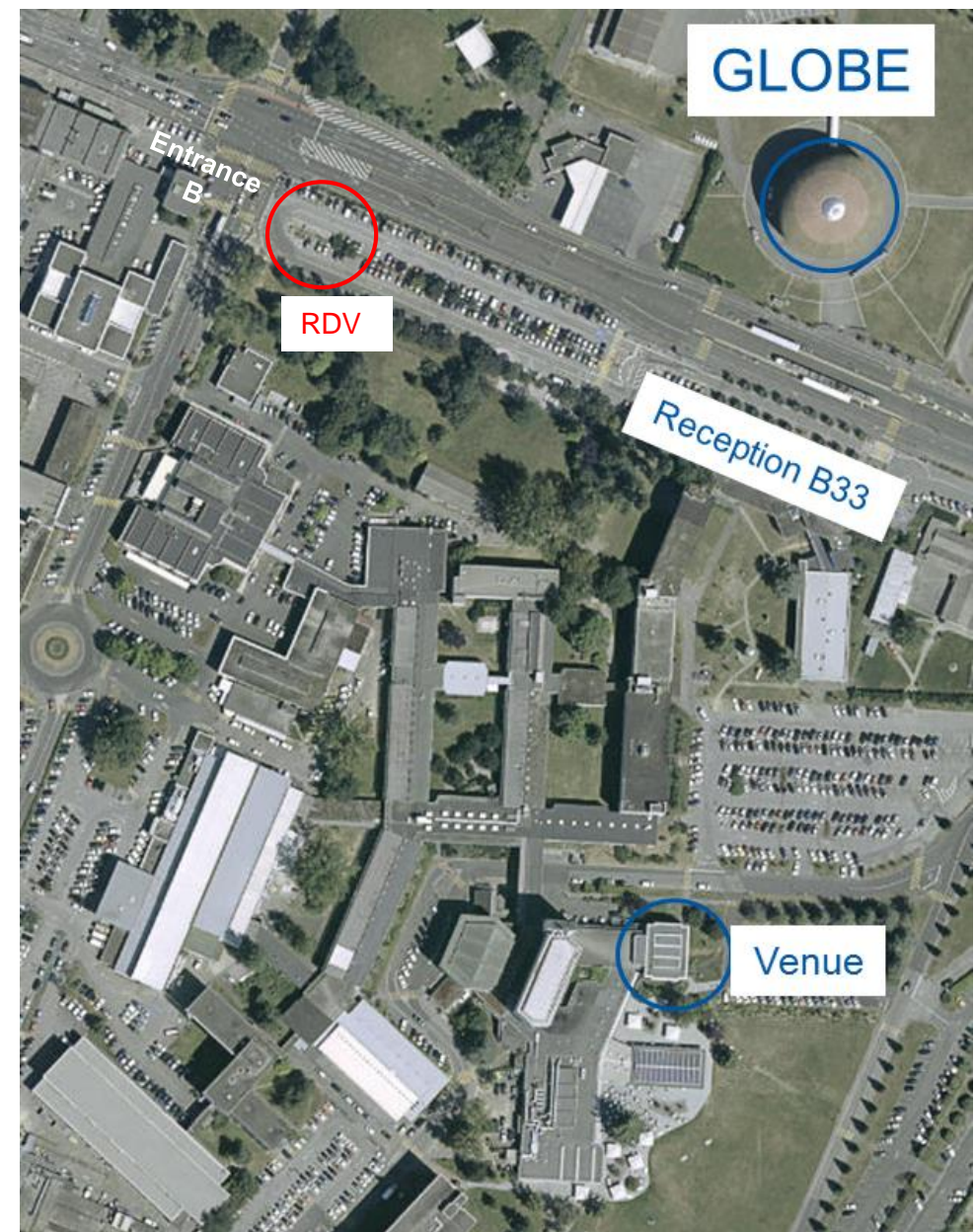
LHC Point 1: ATLAS

Synchrocyclotron
CryoLab



Visits

- RDV point is by Entrance B just outside CERN near the flags @ 8h
- Bring your conference badge with the respective colour code (**green** or **red**)



Visits - Safety

Recommendations to be strictly followed:

- CERN installations are located on both sides of the French/Swiss border. Therefore you should ensure that you have your passport and any other relevant documentation with you.
- The visitors are requested to be in front of the buses – located in the Parking des Drapeaux (near Entrance B (outside CERN's entrance where the flags are) at **08:00 a.m.** (Friday 23rd September) – Please be on TIME.
- There will be one person responsible for each bus (check your colour code on your badge):
R. Decreuse for the **green** bus (Phone: +41 754111093) and A. Henriques for the **red** bus (Phone: +41 754119774)
- **Wear suitable shoes (no high heels, no open shoes or open sandals) for safety reasons**
- Please respect the TIMETABLE.

ENJOY YOUR VISIT!

A part from the seminar...



Assistance Chef(s)

CRYOGENIC SAFETY

HSE Occupational Health & Safety
and Environmental Protection unit

SEMINAR

21-23 September 2016 CERN





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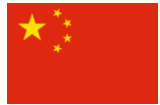
GRAZIE



EΥΧΑΡΙΣΤΩ



GRACIAS



谢谢



THANK YOU



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