

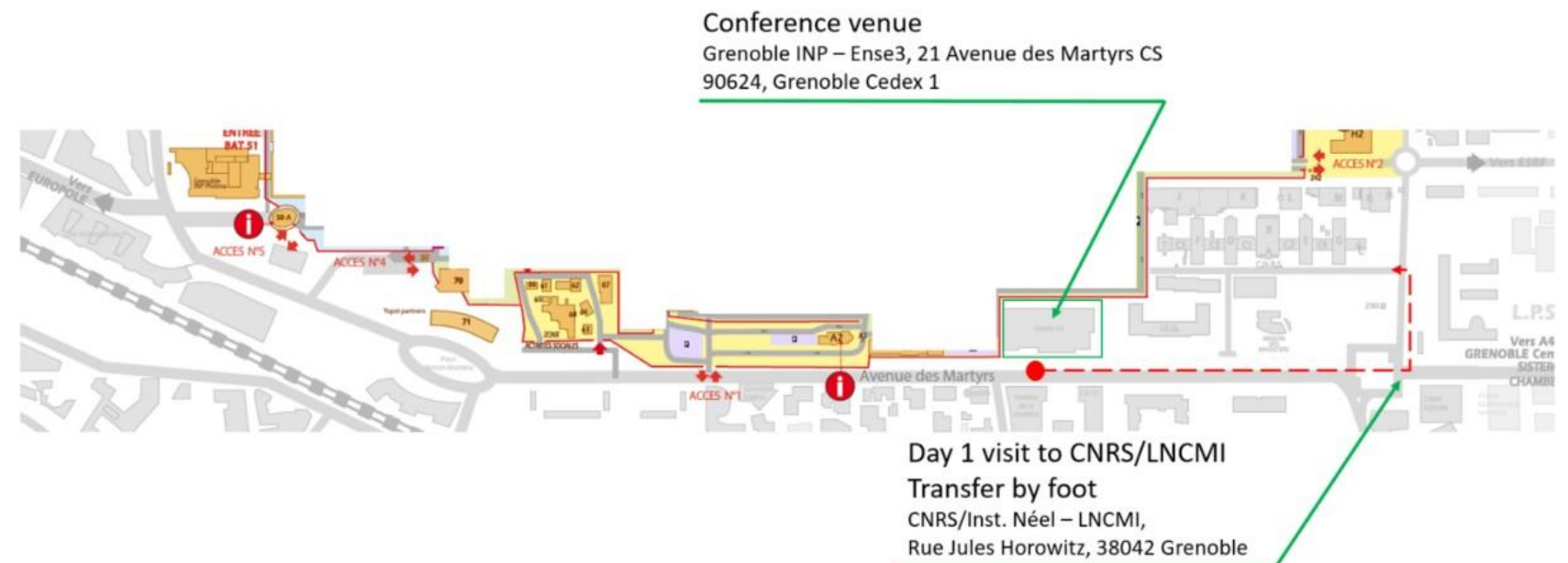
Cryo Ops 2024 Conference - Preliminary Program – Version 16/07/2024

Day 1

Day 1			Wednesday, July 17th		
Day	1				
Start	End	Duration			
07h30 am	08h30 am	1h	Welcome coffee and registration : badges access at the welcome desk		
08h30 am	09h00 am	0h30	Opening speech by: J. Weisend II (Int. Board), P. Dauguet (AirLiquide), L. Ronayette (LNCMI), P. Bayle-Guillemaud & J.-M. Poncet (CEA/IRIG). Info and organization by D.Duri (CEA)		
09h00 am	09h00 am	0h00	Session “OPERATIONS & MAINTENANCE” Chair: J. Pucci (SLAC)	Speaker	Institution
9h00 am	9h20 am	0h20	Operation status of J-PARC superconducting neutrino cryogenic facility	Y. Makida	KEK, High Energy Accelerator Research Organization
9h20 am	9h40 am	0h20	The cause of performance degradation of cryogenic hydrogen system - A little fire burns up a great deal of corn. -	T. Aso	Japan Atomic Energy Agency
9h40 am	10h00 am	0h20	Cryogenic Systems of VECC, Kolkata and its Operational Experience	S. Pal	Variable Energy Cyclotron Centre
10h00 am	10h20 am	0h20	Serious leakage on a helium heat exchanger: overall and technical management.	M. Louvet	SYNCHROTRON SOLEIL
10h20 am	11h20 am	0h40	Coffee break		
11h20 am	11h20 am	0h00	Session “COMMISSIONING” Chair: Y. Fabre (AirLiquide)	Speaker	Institution
11h20 am	11h40 am	0h20	Installation and commissioning of the 2 K BLS cryogenic system for the APS	J. Fuerst	ANL
11h40 am	12h00 am	0h20	Commissioning and operation of the cryogenic system for NNBI test facility	Z. Zhu	Inst. of Plasma Physics, Chinese Academy of Sciences
12h00 am	12h20 am	0h20	43 T LNCMI hybrid magnet: description of cryogenics and powering commissioning tests	L. Ronayette	CNRS
12h20 am	1h40 pm	1h20	Lunch Buffet		
1h40 pm	1h40 pm	0h00	Session “NEW TECHNOLOGIES” Chair: D. Duri (CEA/DSBT)	Speaker	Institution
1h40 pm	2h00 pm	0h20	C400 – 10K Remote Helium Cooling Loop for ions carbon cyclotron application	T. Trollier	Absolut System
2h00 pm	2h20 pm	0h20	Innovative cryogenic systems for high added-value molecules deep purification	P. Barjhoux	Air Liquide
2h20 pm	2h40 pm	0h20	Reverse Turbo-Brayton cooler developments for space applications	M. Dalban-Canassy	Absolut System
2h40 pm	3h00 pm	0h20	Quick presentation of the organization of the LNCMI visit (L. Ronayette) <i>Margin at the welcome desk – Please be on time, we will not be able to wait for you</i>		
3h00 pm	3h30 pm	0h30	Transfer by foot to CNRS/LNCMI and access formalities (*)		
3h30 pm	5h30 pm	2h00	Visit of LNCMI lab		
5h30 pm	6h00 pm	0h30	Transfer to the venue site ENSE3 (by foot)		
6h00 pm	7h00 pm	1h00	Welcome reception		

Notes & reminders:

- Time: Paris Time (CET)
- Venue address: Grenoble INP – Ense3, 21 Avenue des Martyrs CS 90624, Grenoble Cedex 1
- Day 1 visit address: CNRS/Inst. Néel – LNCMI, Rue Jules Horowitz, 38042 Grenoble
- (*) access formalities : please remember to bring with you a valid ID or passport document



Day 2

Day	2		Thursday, July 18th		
Start	End	Duration			
07h30 am	08h40 am	0h50	Welcome coffee and registration : Please keep your badge access throughout the Workshop Organization of the day n. 2		
08h40 am	08h40 am	0h20	Session: "SIMULATIONS" Chair: D. Duri (CEA/DSBT)	Speaker	Institution
8h40	9h00 am	0h20	The CERN Cryogenic Simulation Lab: a great support for the operators' training	B. Bradu	CERN
9h00 am	9h20 am	0h20	Mechanical Test Bench for Material Engineering and Testing in the 20K region	M. Davaine	Absolut System
9h20 am	9h40 am	0h20	A thermodynamic model for hydrogen and its spin isomers – Application to the simulation of brazed aluminium heat exchanger	H. Karim	Fives Cryo
9h40 am	10h00 am	0h20	Simcryogenics: a tool to simulate cryogenic processes	F. Bonne	CEA DSBT
10h00 am	10h20 am	0h20	Simulation of DALIS test facility cryogenic system using Ecosimpro	Z. Sun	Dalian Institute of Chemical Physics
10h20 am	11h20 am	0h40	Coffee break		
11h00 am	11h00 am	0h00	Session "OPERATIONS & MAINTENANCE" Chair: L. Ronayette (LNCMI)	Speaker	Institution
11h20 am	11h40	0h20	Operation experience of indigenously developed helium plant of capacity 200 W at 4.5 K	A. Sahu	Institute for Plasma Research
11h40	12h00	0h20	Assembling A New Cryo Operations Technical Team	J. Pucci	SLAC National Accelerator Laboratory, Stanford University
12h00 am	12h20 am	0h20	Upgrades to the UKRI-STFC Daresbury SRF Vertical Test Facility for PIP-II HB650 Cavity Testing	S. Pattalwar	UKRI STFC Daresbury Laboratory
12h20	1h40 pm	1h20	Lunch Buffet		
1h40 pm	1h40 pm	0h00	Session "EFFICIENCY" Chair: P. Dauguet (AirLiquide)	Speaker	Institution
1h40 pm	2h00 pm	0h20	Customized hydrogen liquefier system for applications up to 50kg per day	F. Geneau	Absolut System
2h00 pm	2h20 pm	0h20	<i>Margin at the welcome desk – Please be on time, we will not be able to wait for you</i>		
2h20 pm	2h40 pm	0h20	Transfer to CEA parking by foot ()		
2h40 pm	3h00 pm	0h20	Transfer to Air Liquide site (by bus)		
3h00 pm	3h30 pm	0h30(£)	Visit of AirLiquide Sassenage (§)		
3h30 pm	5h30 pm	2h00	Return to Grenoble - Cableway (by bus)		
5h30 pm	6h00 pm	0h30(£)	1 hour to fool around and enjoy the panorama		
6h00 pm	7h00 pm	1h00	Gala Dinner @PerGras restaurant (La Bastille - Grenoble) :		
19h00 pm	23h00 pm	4h00	Please make sure you have your cableway ticket – if not you will not be able to access the restaurant which opens not before 19h00		

Notes & reminders:

- Time: Paris Time (CET)
- Venue address: Grenoble INP – Ense3, 21 Avenue des Martyrs CS 90624, Grenoble Cedex 1
- (§) Day 2 visit access formalities : please remember to bring with you a valid ID or passport document
- (£) The timetable may vary depending on the traffic conditions

VISITS to the labs : We recommend to wear comfortable shoes as the travel distance from/to the visit sites and during the visit is not negligible.

- The visits at the CEA and CNRS will not require any personal protection equipment.
- The Air Liquide visit requires to wear PPE (safety shoes, safety glasses) but they will be provided by the Air Liquide hosting party. Nevertheless the visitors must wear arms and legs covering garments as long as closed toes shoes (no sandals nor heels). Any non-compliant visitor may have the access denied.

GALA Dinner : will start at 7pm : No particular dress code is required. We would recommend a "business casual" approach considering that temperatures in Grenoble in July may reach 30°

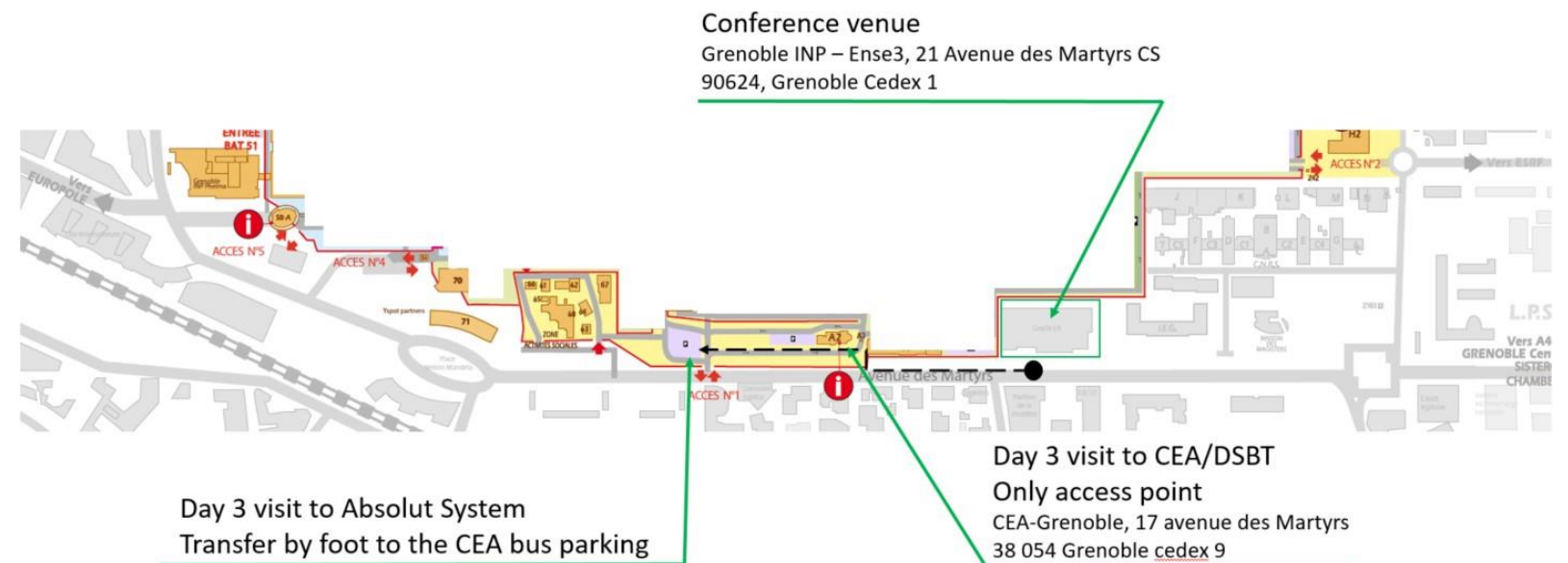


Day 3

Day	3		Friday, July 19th		
Start	End	Duration			
07h30 am	08h30 am	1h00	<i>Margin at the CEA entrance – Please be on time, we will not be able to wait for you</i>		
08h30 am	10h30 am	2h00	CEA - access formalities : Please note that if you do not participate to this visit, we will see you at the conference venue (ENSE3) from 10:40am		
10h30 am	10h40 am	0h10	CEA/DSBT visit		
10h40 am	11h00 am	0h20	Transfer to ENSE3 (by foot)		
11h00 am	11h00 am	0h00	Coffee break		
11h00 am	11h20 am	0h20	Session "OPERATIONS & MAINTENANCE" Chair: L. Ronayette (LNCMI)	Speaker	Institution
11h20 am	11h40 am	0h20	Design and Maintenance recommendations for the water-cooled shell and tube heat exchangers	V. Gahier	CERN
12h00 am	12h00 am	0h00	Maintenance of SCL3 cryogenic plant for Korean heavy ion accelerator after 10 months operation	J. Yoo	Institute for Rare Isotope Science, Institute for Basic Science
12h00 am	12h20 am	0h20	Session "COMMISSIONING" Chair: To be confirmed	Speaker	Institution
12h20 am	1h40 pm	1h20	SLAC LCLS-II Cryoplant Commissioning Challenges	J. Pucci	SLAC National Accelerator Laboratory, Stanford University
1h40 pm	1h40 pm	0h00	Lunch Buffet		
1h40 pm	2h00 pm	0h20	Session "COMMISSIONING" Chair: D. Duri (CEA/DSBT)	Speaker	Institution
2h00 pm	2h20 pm	0h20	Commissioning experience of RAON – SCL2 cryoplant	Y. Fabre	Air Liquide
2h20 pm	2h40 pm	0h20	The long road to cooling down the ESS superconducting linac	P. Arnold	European Spallation Source ERIC
2h40 pm	3h10 pm	0h30	Closing speech		
3h10 pm	3h30 pm	0h20	Transfer to CEA parking (by foot)		
3h30 pm	4h00 pm	0h30(£)	Transfer to Absolute System (by bus)		
4h00 pm	6h00 pm	2h00	Visit to Absolute System		
6h00 pm	6h30 pm	0h30 (£)	Return to Grenoble (Train & bus station) by bus		

Notes & reminders:

- Time: Paris Time (CET)
- Venue address: Grenoble INP – Ense3, 21 Avenue des Martyrs CS 90624, Grenoble Cedex 1
- Day 3 visit:
 - Address of the only entry point: CEA-Grenoble, 17 avenue des Martyrs 38 054 Grenoble cedex 9
 - visit access formalities : please remember to bring with you a valid ID or passport document
- (£) The timetable may vary depending on the traffic conditions



Poster session - Version 09/07/2024

Day 1 to Day 3

Poster title	Author	Institution	Country
Mitigation strategies for superfluid leaks in the UKRI-STFC Daresbury SRF Vertical Test Facility	S. Pattalwar	UKRI STFC Daresbury Laboratory	United Kingdom
Effect of strong magnetic fields on the functionality of a 3He/4He dilution refrigerator	Y. Krupko	Grenoble High Magnetic Field Laboratory	France
Valve control in 2nd cooldown of RAON SCL3 cryo-modules	S. Kim	Institute for Basic Science	South Korea
Dynamic characterization of a cryocooler cold head	S. Pérez Barrio	INTA	Spain
Installation and commissioning of the ESS cryogenic moderator system	I. Haag	European Spallation Source	Sweden
Issue and improvements of SCL3 cryogenic distribution system after first cool down operation	I. Park	IBS	South Korea
Maintenance and Consolidation of rotating machinery of LHC cryogenics system at CERN	S. Junker	CERN	France
System-level model of the helium refrigerator for the Divertor Tokamak Test (DTT)	F. Lisanti	Politecnico di Torino	Italy
Exploring 20 years of use of a superconducting wiggler at the Canadian Light Source.	D. Beauregard	Canadian Light Source	Canada
H2 Contamination at Harvard's Helium Core Facility, Discovery, Analysis, Solution	M. Hankin	Harvard University	United States
Magnet Technology Testing Research Infrastructures (MATTRICS): updates of a versatile test station for upcoming magnet prototypes and demonstrators.	T. Pontarollo	CEA Paris-Saclay	France