

<http://indico.cern.ch/event/BIQ2014>

Workshop on Beam Induced Quenches

Overview

It is the aim of this workshop to

1. survey the operational experience with beam losses in superconducting accelerators and transfer lines,
2. analyze the results of quench tests at the LHC,
3. study the status of experimental work and numerical models for heat transfer in Rutherford-type cable, and
4. review the strategies for beam-loss monitoring in the LHC after the long shutdown.
5. Moreover, we intend to stimulate a discussion on experimental work on quench- and damage levels for transient beam losses in accelerator magnets.

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Proceedings Editor: E. Todesco

Administration: S. Sapountzi

Program Overview

09:00	Registration 30/7-018, CERW 09:00 - 09:15
	Welcome Message 30/7-018, CERW 09:15 - 09:30
10:00	Session 1: Operational Experience with Beam Losses and Beam-Induced Quenches Dr. Andrzej Siemko, Dr. Marcin Sapichowski
11:00	Beam losses in SC accelerators
12:00	30/7-018, CERW 09:30 - 13:00
13:00	Lunch Break
	CERW 13:00 - 14:00
14:00	Session 2: Quench Tests at the LHC Bernd Dehning, Dr. Chiara Bracco
15:00	Quench tests at the LHC
16:00	30/7-018, CERW 14:00 - 18:00
18:00	
19:00	Dinner
20:00	Maison de l'IE (Geneva), Other Institutes 19:00 - 20:30

09:00	Session 3: Heat Transfer R&D Bernardo Bordini, Dr. Gerard Willering
10:00	Heat transfer, experiments and models
11:00	30/7-018, CERW 09:00 - 13:00
12:00	
13:00	Lunch Break
	CERW 13:00 - 14:00
14:00	Session 4: LHC BLM Thresholds for Run 2 Dr. Daniel Wollmann, Dr. Rodnik Bruce
15:00	BLM thresholds for Run 2
16:00	30/7-018, CERW 14:00 - 17:00
17:00	Session 5: Summary
	30/7-018, CERW 17:00 - 17:30
18:00	Session 6: Experimental Roadmaps - Informal Brainstorming Continued
19:00	Experimental Programs, informal brainstorming session
	Restaurant 1, CERW 18:00 - 19:00

Related Events

- 2005 Stability Workshop (March 4)
 - <https://indico.cern.ch/event/0516/>
- 2006 Review of thermal stability of acc. SC magnets
 - <https://indico.cern.ch/event/7282/>
- 2009 Mini-Workshop on Thermal Modeling and Thermal Experiments for Accelerator Magnets CERN
 - <https://indico.cern.ch/event/69056/>
- WAMSDO 2013 on quench modelling, detection and protection
 - <http://indico.cern.ch/event/wamsdo2013>
- CHATS-AS Workshops
 - <http://indico.cern.ch/event/chats2011>,
 - <http://sites.tufts.edu/chatsas2013/>

Contributions

Contributions from

- BNL, CEA, GSI, KEK, CERN,
- university of Bologna, KIT Karlsruhe.
- with material submitted from DESY and FNAL

Workshop Dinner

Where:

Brasserie des Halles de l'Île

www.brasseriehallesdelile.ch

Place de l'Île 1, 1204 Genève

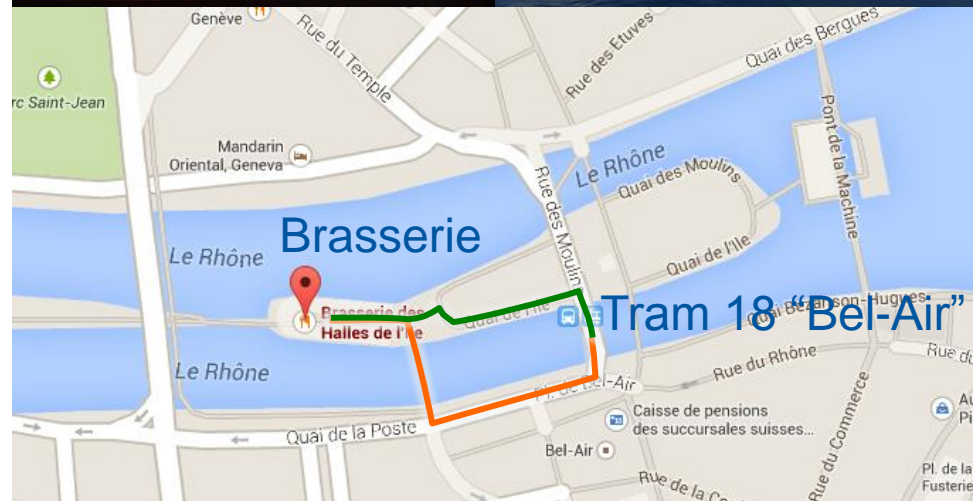
Time: 19h30

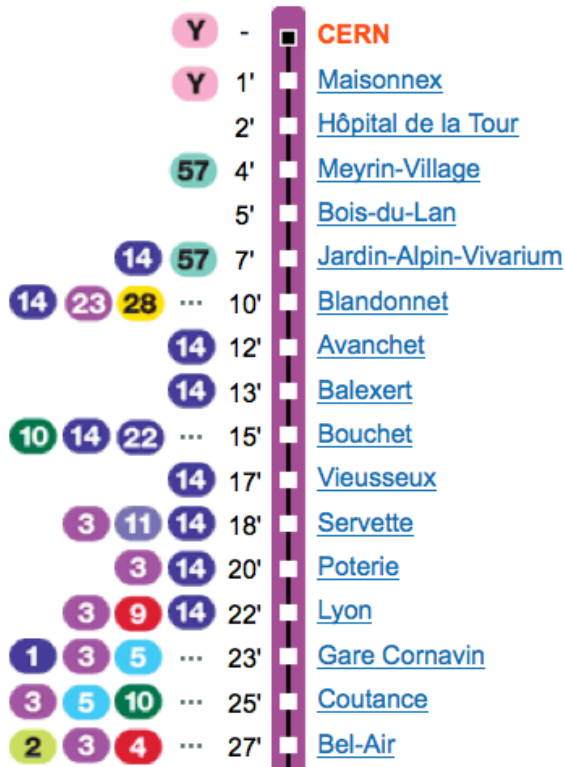
Getting there:

Tram 18 from “CERN”
in direction “Carouge”.

Exit at “Bel-Air”.

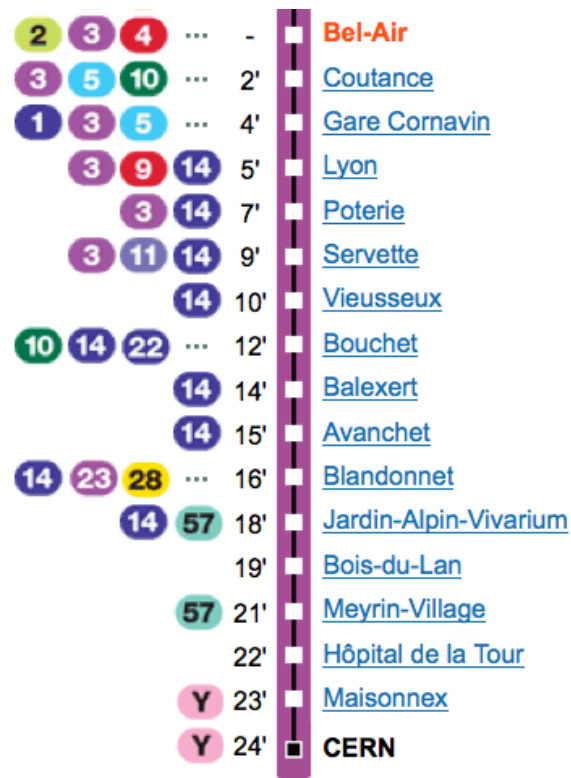
Cost: ~35 CHF





18h 01 10 21 30 41 50

19h 01 10 22 31 43 53



19h 04 13 24 33 44 53

20h 04 13 25 33 47

21h 01 19 39 59

22h 19 39 59

23h 19 39 59