

Welcome

TTC/ARIES topical workshop on flux trapping and magnetic shielding
Frank Gerigk, CERN, 8-9 Nov 2018

We appreciate the support by:

- European Union's **Horizon 2020** Research and Innovation programme under Grant Agreement No 730871: partial funding of a CERN fellow + support for this workshop (coffee breaks, dinner, transport), announcement in ARIES mailing list.
 - **A**ccelerator **R**esearch and **I**nnovation for **E**uropean **S**cience and Society (**ARIES**).
 - WP4: Efficient Energy Management, Task 4.4 High Efficiency SRF power conversion
- **TTC**, assistance to find session conveners, announcement as topical workshop via TTC mailing list.

Workshop goals

- i) Review the current understanding on flux trapping and magnetic field expulsion for pure or infused/doped bulk niobium, coated cavities, and A15 superconducting cavities.
- ii) Identify areas, which are not yet understood.
- iii) Propose an experimental program to improve our understanding over the coming years.

Scientific Program

Program Chair: Walter Venturini (CERN)

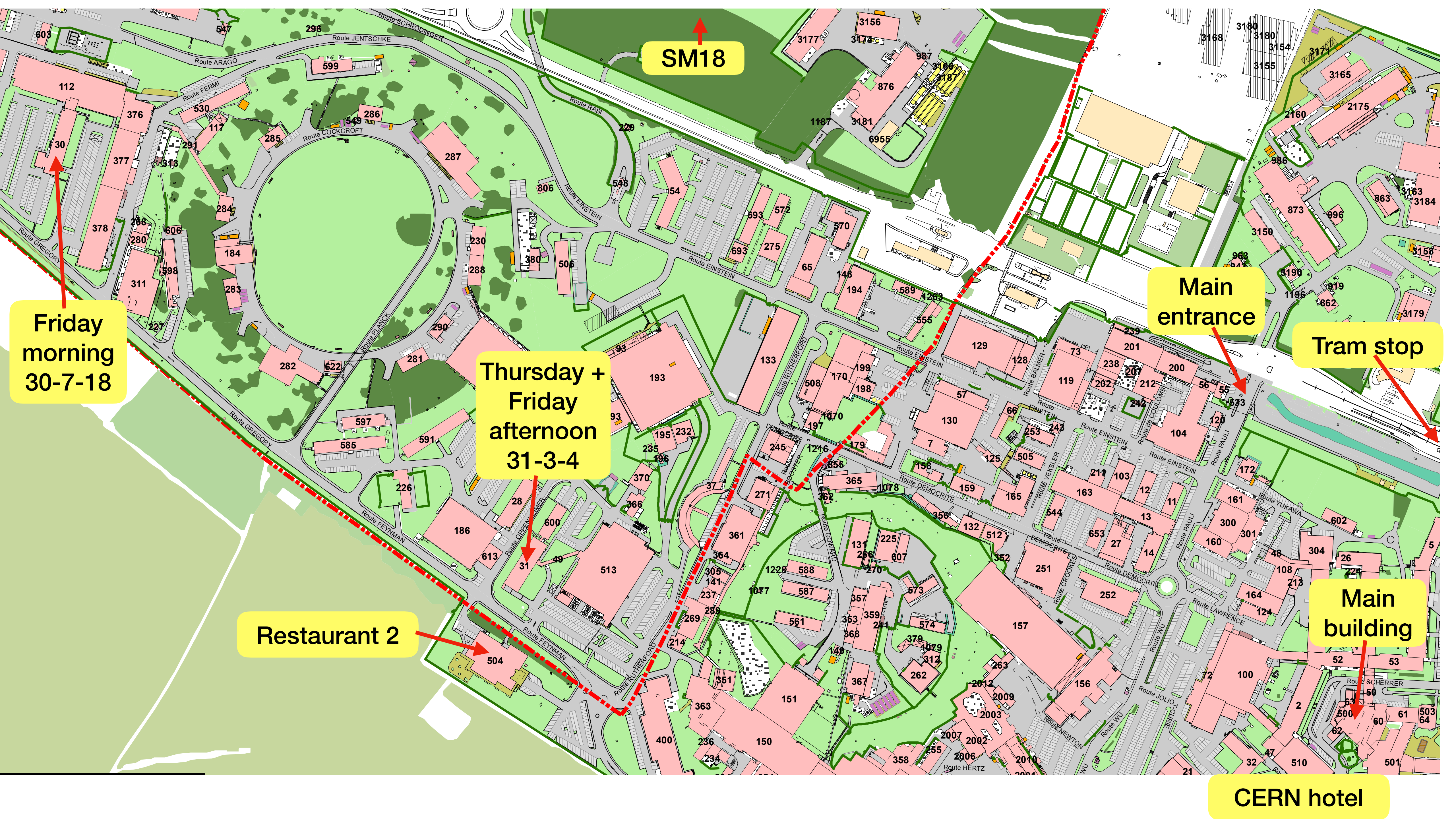
1. **Magnetic Shielding** (conveners: S.K. Chandrasekaran, FNAL; R. Laxdal, TRIUMF; M. Masuzawa, KEK)
2. **Flux Expulsion Efficiency** (conveners: J. Koeszegi, HZB; D. Longuevergne IPNO; K. Umemori, KEK)
3. **Sensitivity to Trapped Flux** (conveners: M. Checchin, FNAL; A. Miyazaki, CERN)

Charge to conveners

- Define session content and invite the respective sessions.
- Chair the sessions and **keep speakers on time.**
- Guide the discussions.
- Summarise the sessions according to the workshop goals: current understanding, identify knowledge gaps, propose experimental program.
- Write-up and publication, e.g. as PRAB review paper.

Local organisation

- F. Gerigk & **E. Sylvain Davies** + A. Ivanov, A. Macpherson, A. Miyazaki, W. Venturini



SM18

**Friday morning
30-7-18**

**Thursday +
Friday
afternoon
31-3-4**

**Main
entrance**

Tram stop

Restaurant 2

**Main
building**

CERN hotel

Thursday

Time	Topic	Location
9:00 - 11:25	Magnetic Shielding	31-3-4
11:25 - 12:30	Flux expulsion	31-3-4
12:30 - 14:00	Lunch (pay by yourself)	Restaurant 2
14:00 - 18:00	Flux expulsion	31-3-4
18:00 - 19:00	Tram to Geneva	
19:00	Welcome drink + dinner	Brasserie des Halles de L'île
?	Make your own way back	

- The tram leaves at 18:14, 18:23, 18:33, 18:42, 18:52
- There will be 5 guides with tickets, who can take 10 people each.
- You take tram 18 to Bel-Air (28 min).
- Please remember your menu choice!
- The return is not organised. You can take the same tram (3 CHF), share a taxi, walk..

Brasserie des Halles de L'île

1, Place de l'île
1204 Geneva

From CERN, take [tram 18](#) to stop Bel-Air

[Directions](#): Bel-Air tram stop to restaurant

Starter:

Panzanella bread salad

Beef tomatoes and buffalo mozzarella with pesto

Parma ham with melon and purée of fig

Sea bream marinated in white balsamic vinegar with carrots and shallots

Main dish:

Osso bucco with red wine sauce

Chicken and gorgonzola cassoulet

Risotto stuffed peppers with zucchini

All dishes served with polenta and marinated fennel

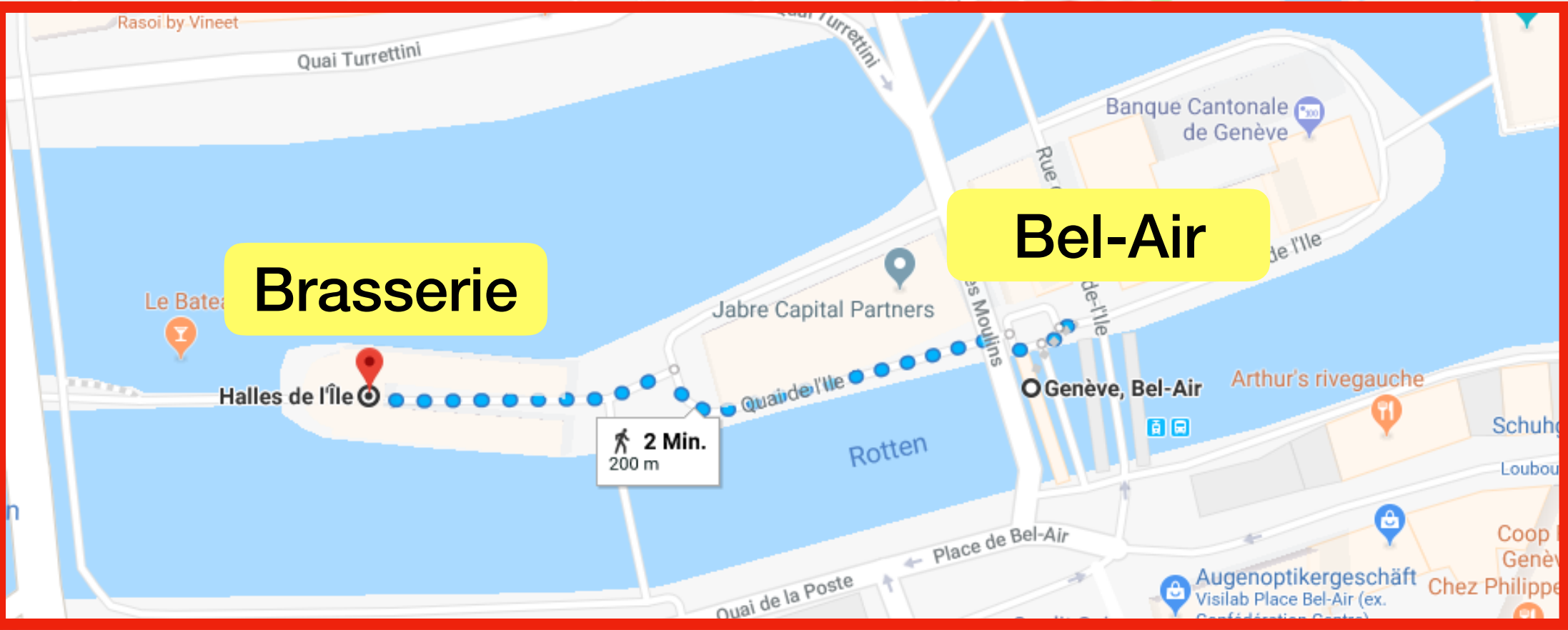
Dessert:

Biscotti Tiramisu



**If you no longer want to go, please tell Eleanor,
someone else may want your place.**

CERN



Brasserie

Bel-Air

Brasserie

Halles de l'île Genève, Bel-Air

Friday

Time	Topic	Location
9:00 - 12:30	Sensitivity to trapped flux	30-7-18
12:30 - 14:00	Lunch (pay by yourself)	Restaurant 2
14:00 - 15:00	Summary & discussion	31-3-4
15:15 - 16:30	Tour of main CERN SRF facilities	bus leaves in front of 31-3-4

Still places available for the tour

Upload your talks!

imetable

Thu 08/11 Fri 09/11 All days

Print PDF Full screen Detailed view Filter
Session legend

Flux expulsion efficiency Magnetic shielding Welcome, Registration a...

08:00

Registration	
Welcome & logistics	Frank Gerigk 08:45 - 09:00
Measurement of magnetic shielding performance and permeability of soft magnetic alloys for SRF	Mr Sakakibara 09:00 - 09:25
31-3-004 - IT Amphitheatre, CERN	
Small magnetic field measurements and control at CERN	Marco Buzio 09:25 - 09:50
31-3-004 - IT Amphitheatre, CERN	

09:00

08:45 - 09:00

Presenter Frank Gerigk

Frank Gerigk

Welcome & logistics

8 Nov 2018, 08:45

15m

Speaker

Frank Gerigk (CERN)

Presentation Materials

There are no materials yet.

- 1) Click on your contribution
- 2) Click on the upper right corner of the pop-up

- 3) a new window opens, which allows you to upload your talk

Let us know if you have a problem and we do it for you (Frank, Walter, Akira)