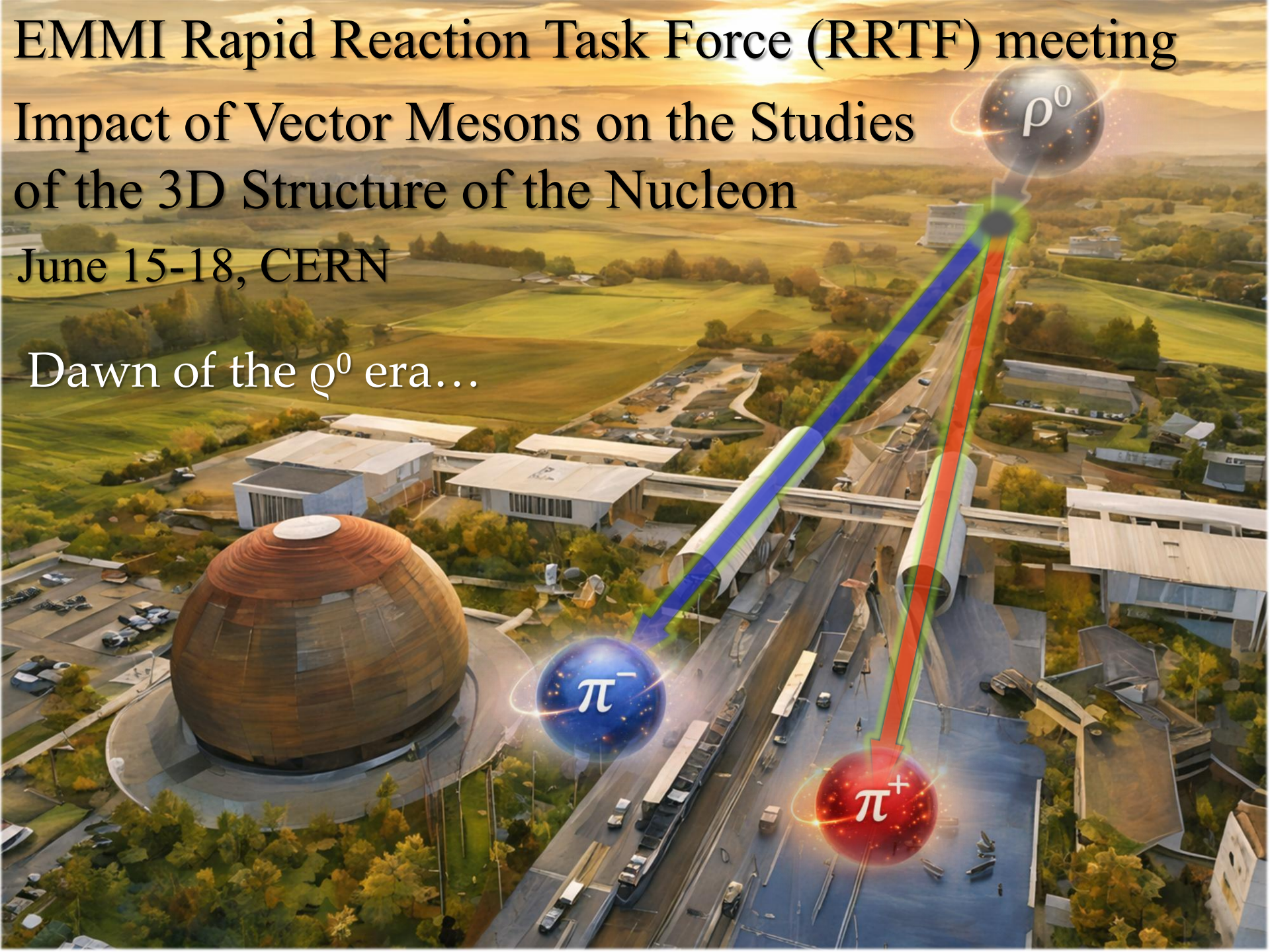
EMMI Rapid Reaction Task Force (RRTF) meeting

Impact of Vector Mesons on the Studies of the 3D Structure of the Nucleon

June 15-18, CERN

Dawn of the ϱ^0 era…



The EMMI Rapid Reaction Task Force (RRTF) meeting

"Impact of Vector Mesons on the Studies of the 3D Structure of the Nucleon"

In accordance with the RRTF framework, this strategic working meeting is designed to bring together a focused group of world-leading experts to address a specific scientific challenge: the significant and often complicating role of diffractive vector mesons (VMs) in the interpretation of 3D nucleon structure data. While hadron production in Deep Inelastic Scattering (DIS) is a primary tool for mapping quark-gluon dynamics through TMDs and GPDs, the presence of exclusive VMs can substantially modify multiplicities and spin asymmetries, potentially biasing phenomenological extractions.

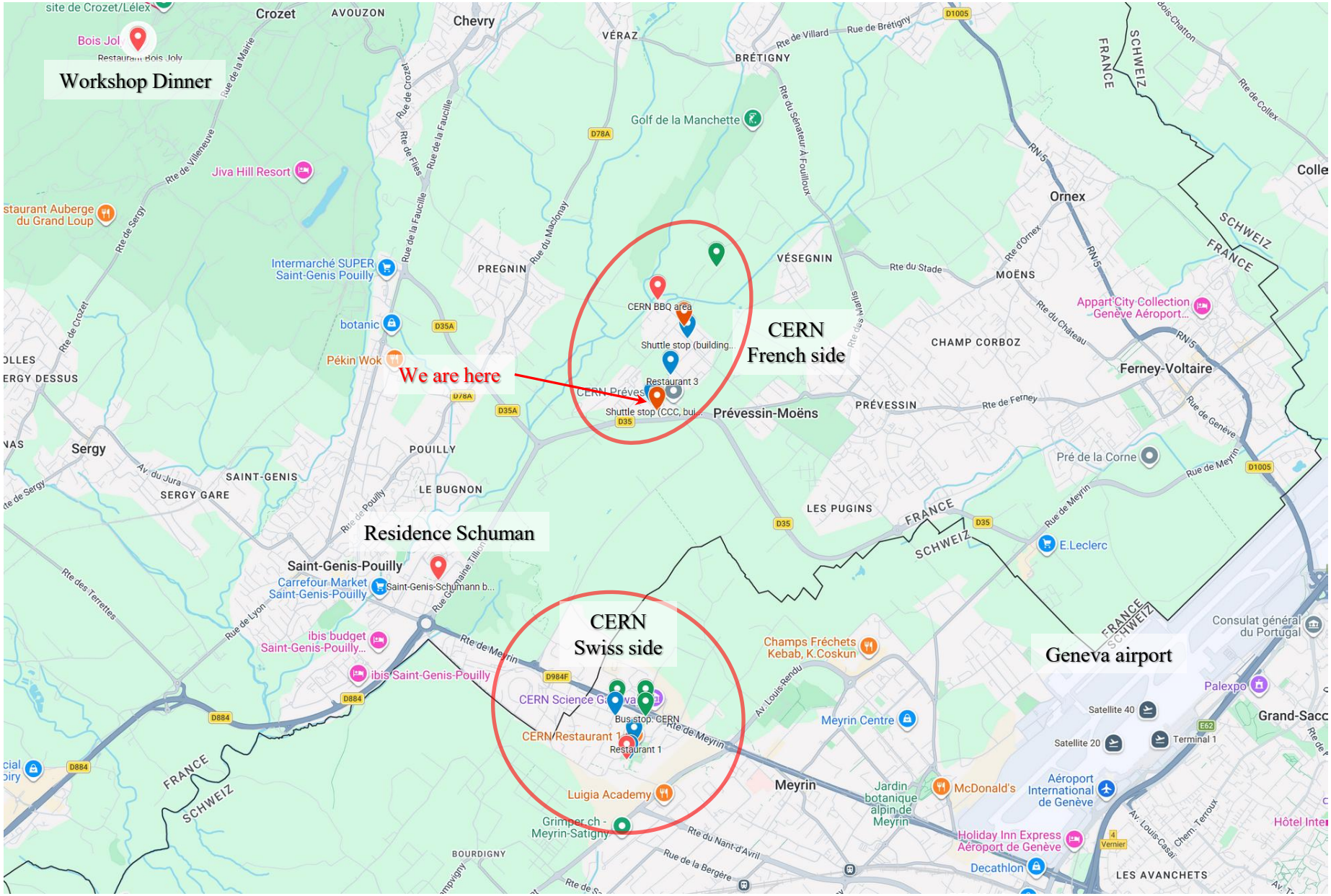
The primary goal of this RRTF is to move beyond the standard conference format and establish a unified theoretical and experimental roadmap. Participants will engage in intensive discussions and collaborative problem-solving to define rigorous strategies for VM subtraction and to develop the next generation of Monte Carlo and AI-based tools required for high-precision data interpretation at facilities such as JLab and the future EIC.

The scientific programme will focus on the following topics:

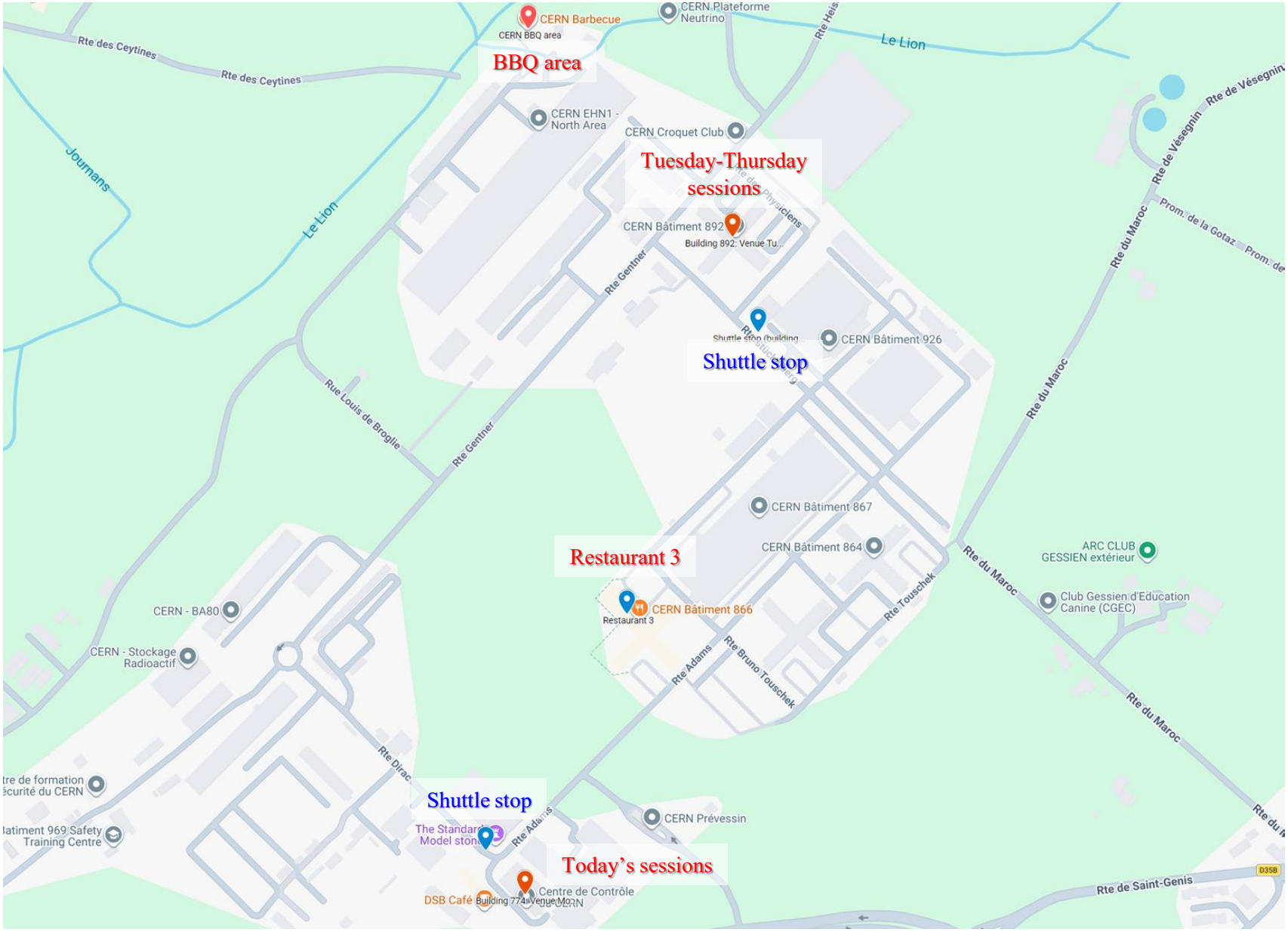
1. Theory of vector-meson production
2. Experimental measurements of vector mesons in leptoproduction and MC development
3. Identifying the critical path for helicity-amplitude extractions using AI tools

Format: The meeting will consist of informal presentations and extended round-table working sessions aimed at producing a final RRTF report.

CERN map


Workshop Dinner
We are here
CERN French side
CERN Swiss side
Residence Schuman
Geneva airport
CERN BBQ area
Shuttle stop (building..
Restaurant 3
Shuttle stop (CCC, bui...
Bus stop: CERN
CERN Restaurant 1
Restaurant 1
Prévessin-Moëns
Saint-Genis-Pouilly
Meyrin
Ornex
Ferney-Voltaire
Golf de la Manchette
Jiva Hill Resort
Intermarché SUPER Saint-Genis Pouilly
botanic
Pékin Wok
Carrefour Market Saint-Genis-Pouilly
ibis budget Saint-Genis-Pouilly...
ibis Saint-Genis-Pouilly
Champs Fréchets Kebab, K.Coskun
Meyrin Centre
Luigia Academy
Grimper.ch - Meyrin-Satigny
Jardin botanique alpin de Meyrin
McDonald's
Aéroport International de Genève
Holiday Inn Express Aéroport de Genève
Decathlon
Palexpo
Satellite 40
Satellite 20
Terminal 1
Pré de la Corne
E.Leclerc
Consulat général du Portugal
Appart'City Collection Genève Aéroport...
Crozet
Chevry
VÉRAZ
BRÉTIGNY
VÉSEGNIN
MOËNS
CHAMP CORBOZ
PRÉVESSIN
POUILLY
LE BUGNON
LES PUGINS
SAINT-GENIS
SERGY GARE
Sergy
PREGNIN
BOURDIGNY
LES AVANCHETS
FRANCE
SCHWEIZ

French side and main workshop points



The workshop map

EMMI Rapid Reaction Task Force: Impact of Vector Mesons on the studies of the 3D structure of the nucleon

Jun 15 – 19, 2026
CERN
Europe/Berlin timezone

Enter your search term

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- RRTF poster
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Support
emmi-office@gsi.de

Venue information

Basic guidance on how to reach CERN from the airport or the train station can be found here: https://home.cern/directions/

Participants who do not have a CERN access card should have received an email with instructions on how to obtain/print their visitor badge. **Please check this email carefully before traveling.**

Upon arrival, you will need to print your visitor badge at CERN. On CERN working days, this can be done at the CERN Community Support Centre, Building 33, open from 07:00 to 18:30.

To enter the CERN site, please have with you:

- the visitor-badge instructions/email you received,
- a valid identity document,
- your hostel booking confirmation, if you are staying at a CERN hostel.

If you arrive during the weekend or outside the opening hours of Building 33, please go to the security guard at Gate B, Building 533.

CERN entrance B:

Please show your identity document and, if applicable, your hostel booking confirmation. The guard will advise you on access and on how to reach the hostel reception.

Scroll down to find the interactive map and click on it

Workshop map **(click for details)**:

click on the map

Shuttle service

If you miss the bus, you can use the CERN shuttle service from the shuttle stops next to Building 39 or Building 300:

Circuit 2: https://sce-dep.web.cern.ch/mobility/shuttle/circuit-2
Circuit 5: https://sce-dep.web.cern.ch/mobility/shuttle/circuit-5

From Tuesday to Thursday, please get off at the Building 927 stop

Dietary restrictions and reimbursements

- Please let us know if you have any dietary restrictions (before the lunch)

Or if there are any other important dietary requirements we should take into account

- Please send us the breakdown of your costs, separating travel and accommodation expenses

Our secretary (Anne Lissajoux) will then get in touch with you for the reimbursement formalities (registration, bank account info, etc.)