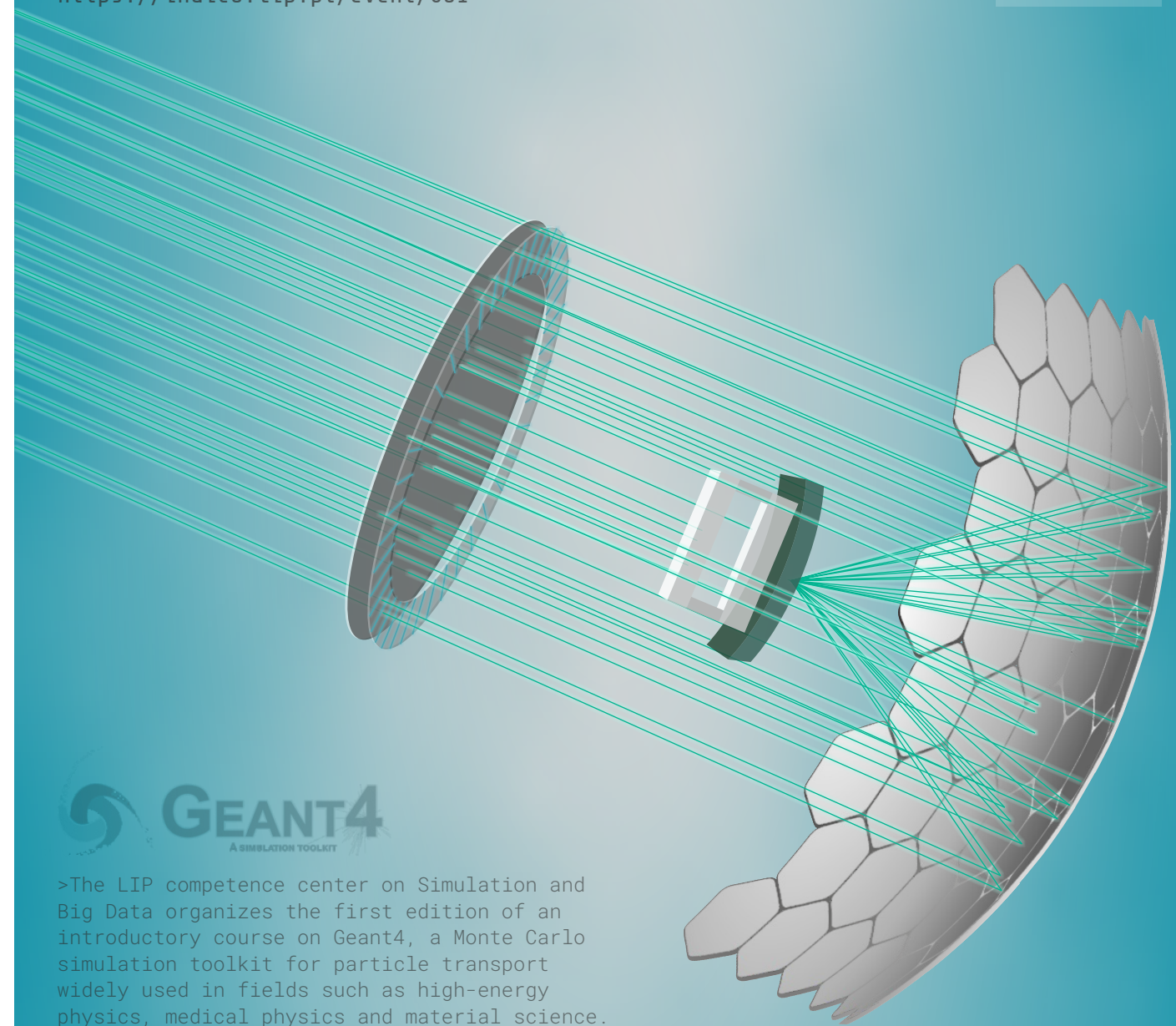


Welcome



INTRODUCTORY COURSE ON GEANT4

11-13 February 2020
University of Minho
Gualtar Campus, Braga
<https://indico.lip.pt/event/681>



>The LIP competence center on Simulation and Big Data organizes the first edition of an introductory course on Geant4, a Monte Carlo simulation toolkit for particle transport widely used in fields such as high-energy physics, medical physics and material science.

Organizing committee:

N. Castro, P. Gonçalves, A. Lindote, R. Sarmiento, B. Tomé, M. Vasilevskiy

Team

Organizing committee

- Alexandre Lindote
- Bernardo Tomé
- Mikhail Vasilevskiy
- Nuno Castro
- Patrícia Gonçalves
- Raul Sarmento



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Links

- Indico webpage:

<https://indico.lip.pt/event/681/>

- Git repository:

https://git02.ncg.ingrid.pt/raul/LIP_Geant4_Course_Braga_2020

- Slack forum:

<https://lip-geant4-braga2020.slack.com/>

Internet connection provided by eduroam

Timetable

- Lectures followed by hands-on sessions for practical work and code implementation
- The goal is to end the course with a running application fully implemented by the participant, built from scratch

TUESDAY, 11 FEBRUARY			
09:30 → 09:45	Welcome Speaker: Raul Sarmento (LIP)	🕒 15m 📍 Sala 1.01 (Edifício 03)	✎
09:45 → 10:45	Introduction to Geant4 Speaker: Raul Sarmento (LIP)	🕒 1h 📍 Sala 1.01 (Edifício 03)	✎
10:45 → 11:15	Coffee break		🕒 30m
11:15 → 12:30	Hands-on session	🕒 1h 15m 📍 Sala 1.01 (Edifício 03)	✎
12:30 → 14:00	Lunch		🕒 1h 30m
14:00 → 15:00	Materials and geometry Speaker: Alexandre Lindote (LIP)	🕒 1h 📍 Sala 2.01 (Edifício 03)	✎
15:00 → 16:00	Hands-on session	🕒 1h 📍 Sala 2.01 (Edifício 03)	✎
16:00 → 16:30	Coffee break		🕒 30m
16:30 → 17:30	Hands-on & technical support session	🕒 1h 📍 Sala 2.01 (Edifício 03)	✎

Timetable

WEDNESDAY, 12 FEBRUARY				
09:15 → 10:15	Primary generator Speaker: Raul Sarmento (LIP)	🕒 1h 📍 Sala 0.07 (Edificio 03)		
10:15 → 10:45	Hands-on session	🕒 30m 📍 Sala 0.07 (Edificio 03)		
10:45 → 11:15	Coffee break		🕒 30m	
11:15 → 11:45	Hands-on session	🕒 30m 📍 Sala 0.07 (Edificio 03)		
11:45 → 12:45	Physics Lists Speaker: Bernardo Tomé (LIP)	🕒 1h 📍 Sala 0.07 (Edificio 03)		
12:45 → 14:00	Lunch		🕒 1h 15m	
14:00 → 15:00	Additional Classes Speaker: Alexandre Lindote (LIP)	🕒 1h 📍 Sala 0.07 (Edificio 03)		
15:00 → 16:00	Hands-on session	🕒 1h 📍 Sala 0.07 (Edificio 03)		
16:00 → 16:30	Coffee break		🕒 30m	
16:30 → 17:30	Physics Lists Speaker: Bernardo Tomé (LIP)	🕒 1h 📍 Sala 0.07 (Edificio 03)		

Timetable

- Most of the last afternoon is dedicated to explore real applications from our work; it is also a good opportunity for you to ask questions concerning your own developing application

THURSDAY, 13 FEBRUARY				
09:15	→ 10:45	Hands-on session	🕒 1h 30m 📍 Sala 1.16 (Edifício 01)	✎
10:45	→ 11:15	Coffee break	🕒 30m	
11:15	→ 12:00	Sensitive Volumes Speaker: Patricia Gonçalves (LIP)	🕒 45m 📍 Sala 1.16 (Edifício 01)	✎
12:00	→ 12:30	Hands-on session	🕒 30m 📍 Sala 1.16 (Edifício 01)	✎
12:30	→ 14:00	Lunch	🕒 1h 30m	
14:00	→ 14:30	Hands-on session	🕒 30m 📍 Sala 2.08 (Edifício 02)	✎
14:30	→ 16:00	Example Applications Speakers: Alexandre Lindote (LIP), Bernardo Tomé (LIP), Patricia Gonçalves (LIP), Raul Sarmento (LIP)	🕒 1h 30m 📍 Sala 2.08 (Edifício 02)	✎
16:00	→ 16:30	Coffee break	🕒 30m	
16:30	→ 17:50	Example Applications Speakers: Alexandre Lindote (LIP), Bernardo Tomé (LIP), Patricia Gonçalves (LIP), Raul Sarmento (LIP)	🕒 1h 20m 📍 Sala 2.08 (Edifício 02)	✎
17:50	→ 18:00	Farewell	🕒 10m 📍 Sala 2.08 (Edifício 02)	✎

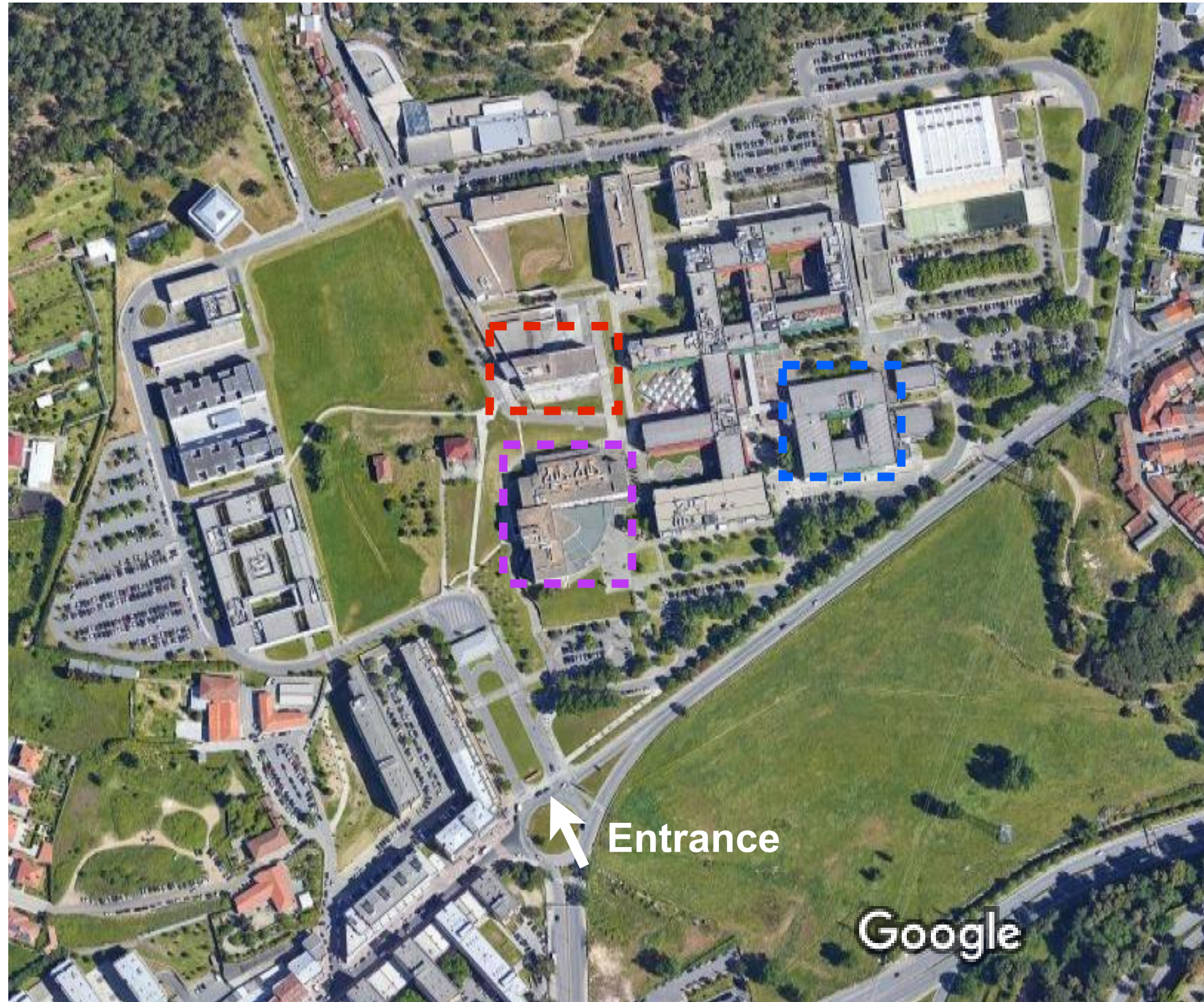
Rooms & Buildings

- Please check the timetable for room/building where the sessions take place

Tuesday & Wednesday:
Building 3

Thursday morning:
Building 1

Thursday afternoon:
Building 2



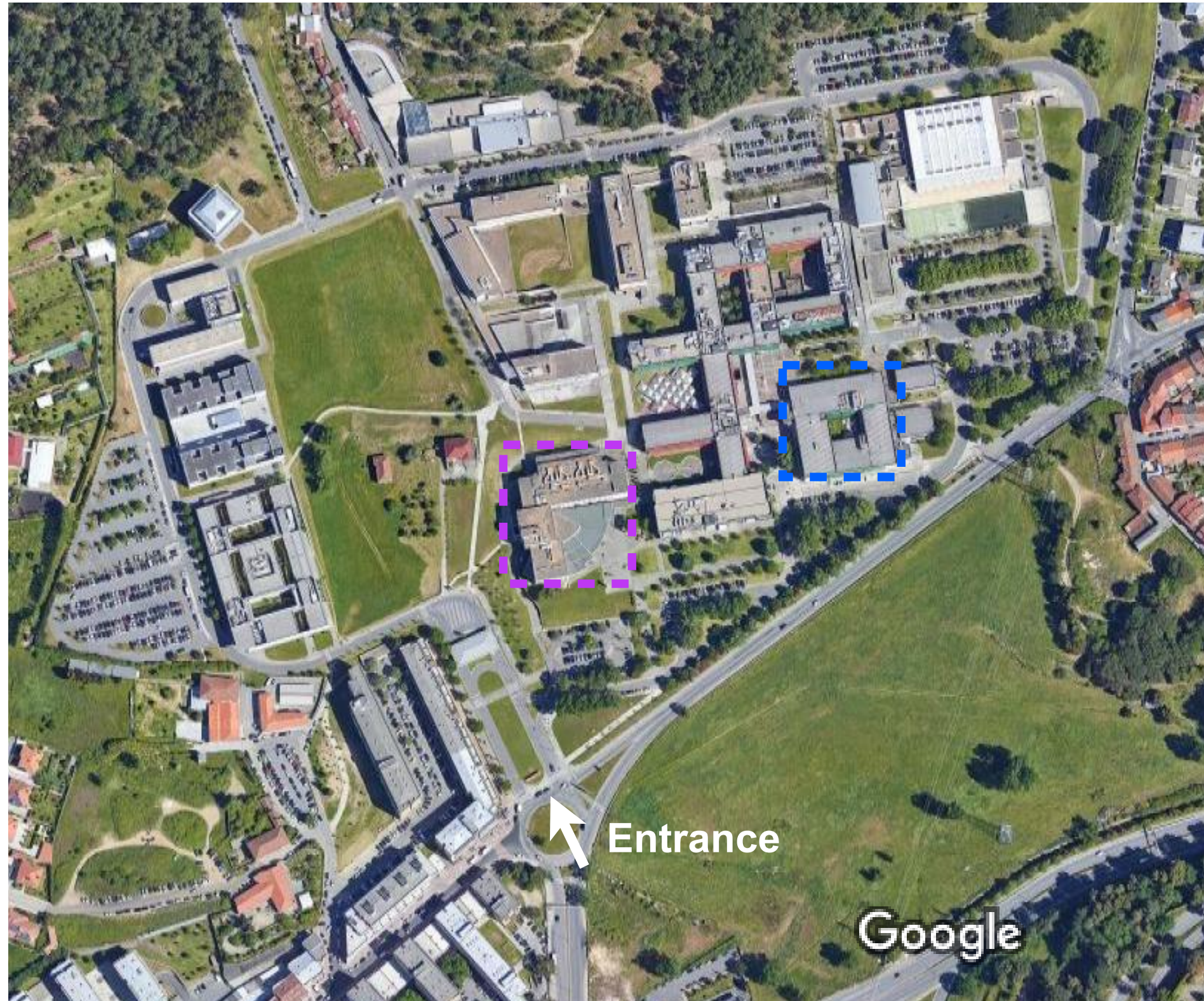
Coffee breaks

- Coffee breaks in the morning and afternoon

Tuesday,
Wednesday,
Thursday afternoon:

Building 2 - hall

Thursday morning:
Building 1 - hall



Some lunch options

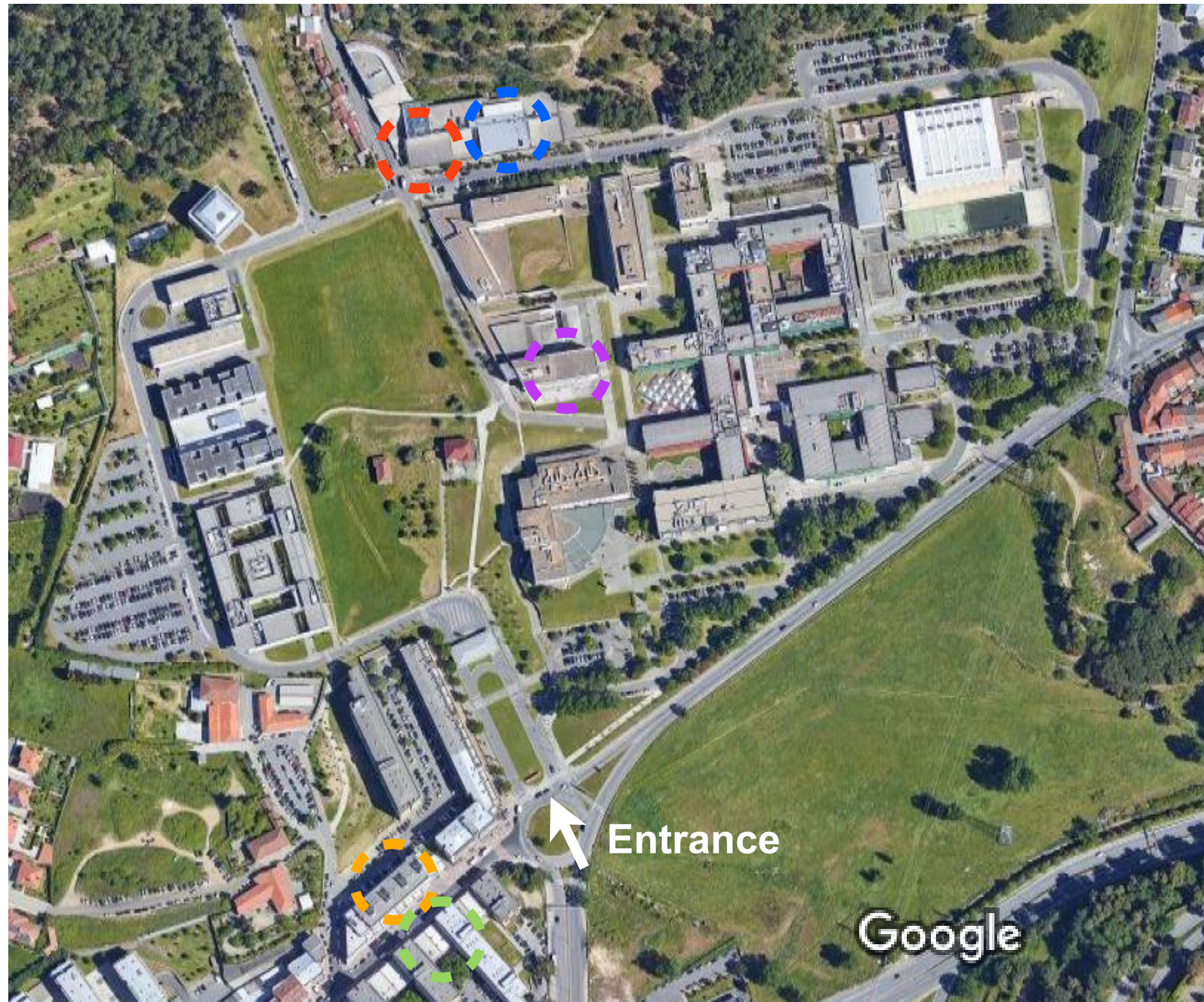
Grill

Canteen

Pizza & Pasta

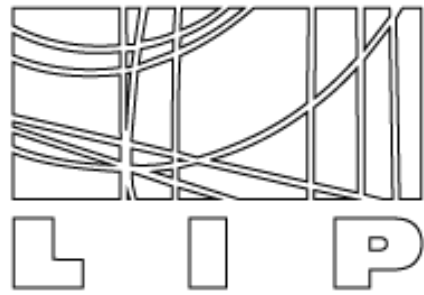
“Tasquinha
Bracarense”

Vegetarian



Questions?

Acknowledgements



LABORATÓRIO DE INSTRUMENTAÇÃO
E FÍSICA EXPERIMENTAL DE PARTÍCULAS



CF-UM-UP

FCT

Fundação para a Ciência e a Tecnologia

MINISTÉRIO DA CIÊNCIA, TECNOLOGIA E ENSINO SUPERIOR