

06 - 07 JUNE 2022
LISBON, PORTUGAL

DOUBLE BETA DECAY:

THE
ROAD
TO

NORMAL
HIERARCHY
SENSITIVITY

SCIENTIFIC COMMITTEE

FABIO BELLINI, SAPIENZA UNIVERSITY OF ROME & INFN

FERNANDO FERRONI, GRAN SASSO SCIENCE INSTITUTE & INFN

JOSÉ MANEIRA, LIP LISBOA

MAURA PAVAN, UNIVERSITY OF MILANO BICOCCA & INFN

NUNO BARROS, LIP LISBOA & COIMBRA

VALENTINA LOZZA, LIP LISBOA

WELCOME !

THANK YOU ALL FOR COMING!



- First “live” conference (for me...) since February 2020
- International travel is still not back to normal, so we do appreciate your effort in being here. Hope you all enjoy the discussions, and take some time to enjoy Lisbon!
- On behalf of the organising committee
 - INFN: Fernando Ferroni, Fabio Bellini, Maura Pavan
 - LIP: JM, Valentina Lozza, Nuno Barros

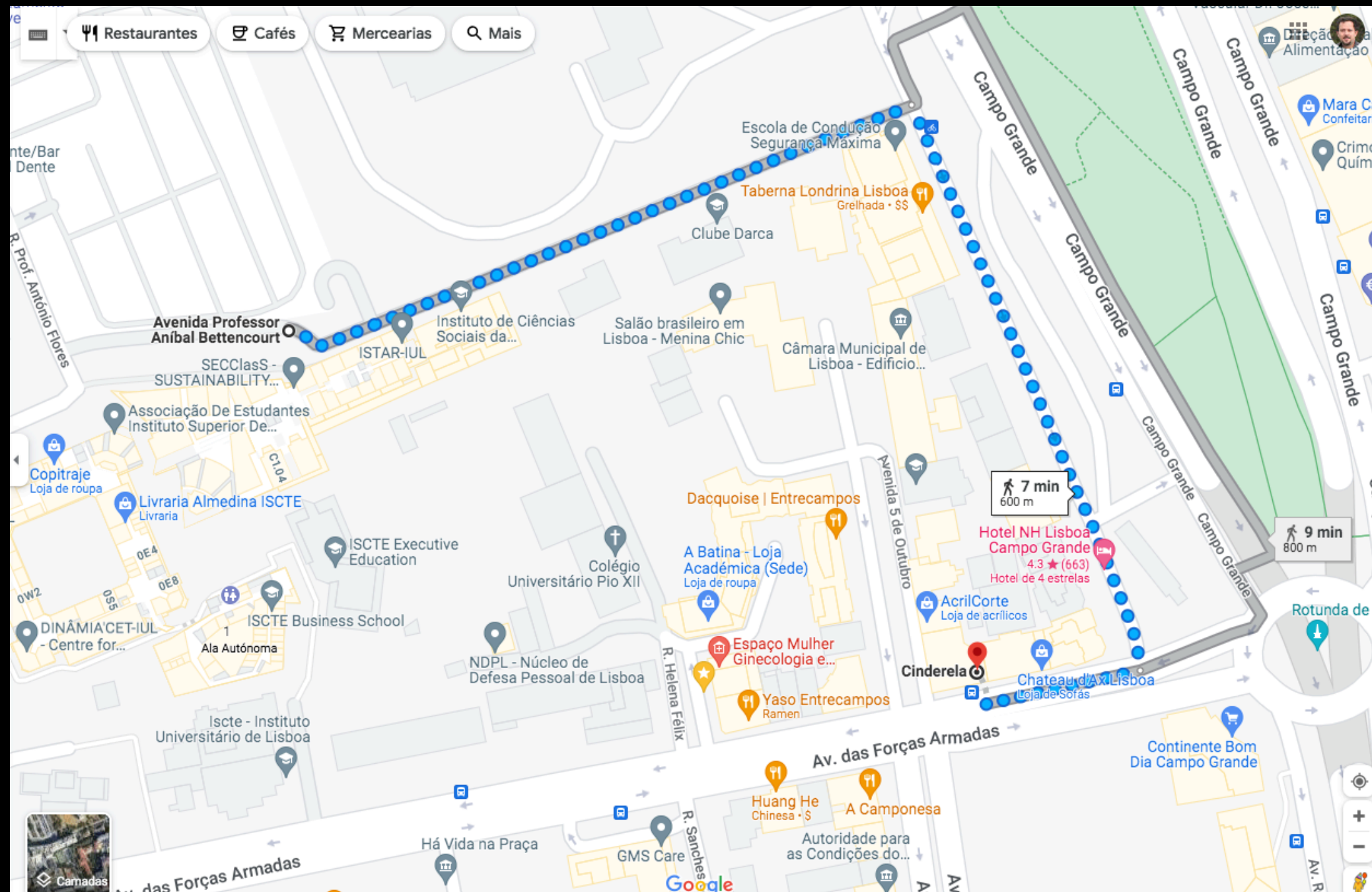
PRACTICAL INFO



- WiFi
 - Eduroam
 - Network: ISCTE-IUL GUEST / Password: di2Fic4iLm6entE
- Talk slides
 - Please send your talk slides to maneira@lip.pt and barros@lip.pt , we'll upload them and put on the PC
- Coffee breaks
 - Just outside the auditorium
- Mask policy
 - Not required
 - Up to you...

- Restaurante Cinderela
- Group table booked for us
- Buffet style (quicker...)
- 13.5€ full meal including drinks

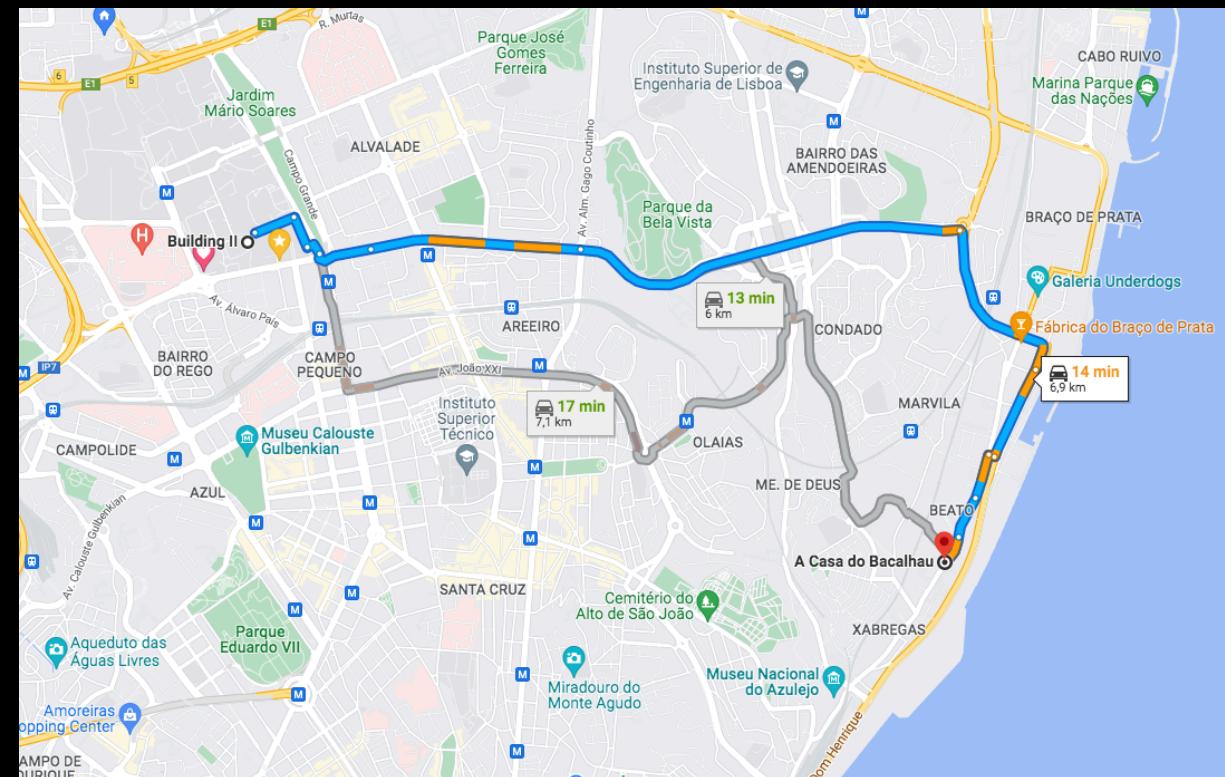
LUNCH BREAK



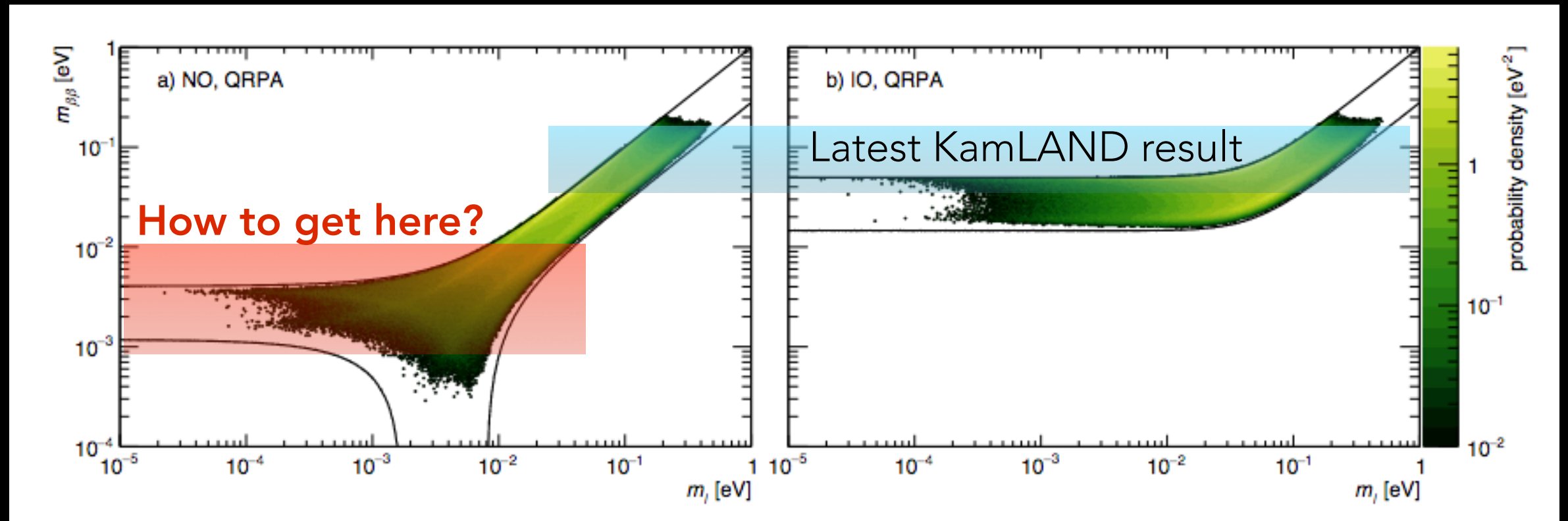
SOCIAL DINNER



- Restaurante A Casa do Bacalhau @ 19:30
 - (“the house of codfish”)
 - Traditional Portuguese food
- Fixed meal 40€
 - Let me know now of any dietary restrictions...
- Getting there
 - It’s hard by public transport: don’t even try...
 - A shared cab (or Uber) is the easiest way to get there, and not expensive)



DOUBLE BETA DECAY, THE ROAD TO NORMAL HIERARCHY



PROGRAM, MONDAY MORNING



09:00	Welcome <i>Auditorium C1.03, Edificio II, 1st floor, ISCTE - Lisboa</i>	<i>Mário Pimenta</i> 09:00 - 09:10
	Neutrino Physics Overview <i>Auditorium C1.03, Edificio II, 1st floor, ISCTE - Lisboa</i>	<i>Mariam Tórtola</i> 09:10 - 09:50
10:00	Calculations of the nuclear matrix elements for double-beta decay: an overview of the present status <i>Auditorium C1.03, Edificio II, 1st floor, ISCTE - Lisboa</i>	<i>Luigi Coraggio</i> 09:50 - 10:30
	Coffee <i>Auditorium C1.03, Edificio II, 1st floor, ISCTE - Lisboa</i>	10:30 - 10:50
11:00	Neutrino Mass Model <i>Auditorium C1.03, Edificio II, 1st floor, ISCTE - Lisboa</i>	<i>José W F Valle</i> 10:50 - 11:30
12:00	Discussion (moderated by José Valle) <i>Auditorium C1.03, Edificio II, 1st floor, ISCTE - Lisboa</i>	11:30 - 12:30
13:00	Lunch	

PROGRAM, MONDAY AFTERNOON



	At a nearby restaurant. Instructions will be provided at the venue	12:30 - 14:00
14:00	Status and prospects of the NEXT experiment <i>Cristina Bernardes Monteiro</i>	
	Auditorium C1.03, Edificio II, 1st floor, ISCTE - Lisboa	14:00 - 14:40
15:00	GERDA / LEGEND <i>Stefan Schönert</i>	
	Auditorium C1.03, Edificio II, 1st floor, ISCTE - Lisboa	14:40 - 15:20
	CUPID: Cuore Upgrade with Particle IDentification <i>Fabio Bellini</i>	
	Auditorium C1.03, Edificio II, 1st floor, ISCTE - Lisboa	15:20 - 16:00
16:00	Coffee Break	
	Auditorium C1.03, Edificio II, 1st floor, ISCTE - Lisboa	16:00 - 16:30
17:00	Radioactivity / Background Round Table (moderated by Monica Sisti)	
	Auditorium C1.03, Edificio II, 1st floor, ISCTE - Lisboa	16:30 - 18:00
18:00		

PROGRAM, TUESDAY MORNING



09:00	SNO+ <i>Auditorium C1.03, Edificio II, 1st floor, ISCTE - Lisboa</i>	<i>Nuno Barros</i> 09:00 - 09:40
10:00	Theia <i>Auditorium C1.03, Edificio II, 1st floor, ISCTE - Lisboa</i>	<i>Michael Wurm</i> 09:40 - 10:20
	Coffee Break <i>Auditorium C1.03, Edificio II, 1st floor, ISCTE - Lisboa</i>	10:30 - 11:00
11:00	Round Table Discussion / Current Experiments and their Limitations (moderated by Stefan Schönert) <i>Auditorium C1.03, Edificio II, 1st floor, ISCTE - Lisboa</i>	11:00 - 12:00
12:00	Lunch	

PROGRAM, TUESDAY AFTERNOON



	<i>At a nearby restaurant. Instructions will be provided at the venue</i>	12:00 - 13:30
	LEGEND R&D	<i>Ruben Saakyan</i>
14:00	<i>Auditorium C1.03, Edificio II, 1st floor, ISCTE - Lisboa</i>	13:30 - 14:10
	Loaded Liquid Scintillator Approach for a $NH\ 0\nu\beta\beta$ Experiment	<i>Steve Biller</i>
	<i>Auditorium C1.03, Edificio II, 1st floor, ISCTE - Lisboa</i>	14:10 - 14:50
15:00	Beyond CUPID: bolometric technological developments toward the exploration of the normal hierarchy	<i>Andrea Giuliani</i>
	<i>Auditorium C1.03, Edificio II, 1st floor, ISCTE - Lisboa</i>	14:50 - 15:30
	Coffee Break	
	<i>Auditorium C1.03, Edificio II, 1st floor, ISCTE - Lisboa</i>	15:30 - 16:00
16:00	Round Table Discussion / Future Activities and Points of Collaboration (moderated by Fernando Ferroni)	
17:00	<i>Auditorium C1.03, Edificio II, 1st floor, ISCTE - Lisboa</i>	16:00 - 17:30
	Closing Remarks	
	<i>Auditorium C1.03, Edificio II, 1st floor, ISCTE - Lisboa</i>	17:30 - 18:00
18:00		