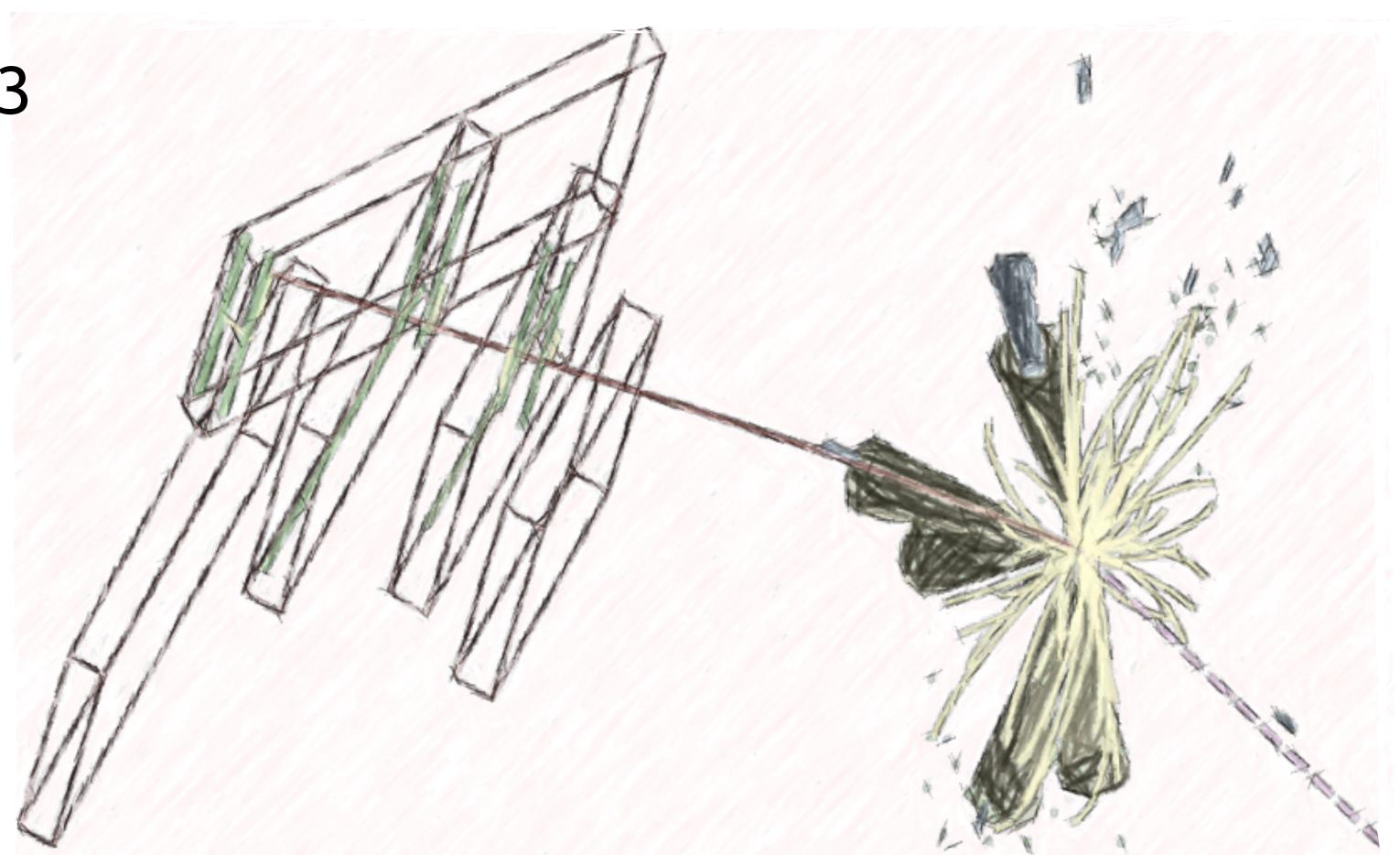


Orsay 2023 W mass Workshop

23 - 24 February 2023 IJCLab

Valerio Bertacchi Marteen Boonekamp Emi Kou Zhiqing Zhang







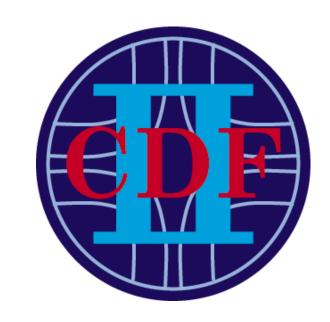


The aim of the workshop

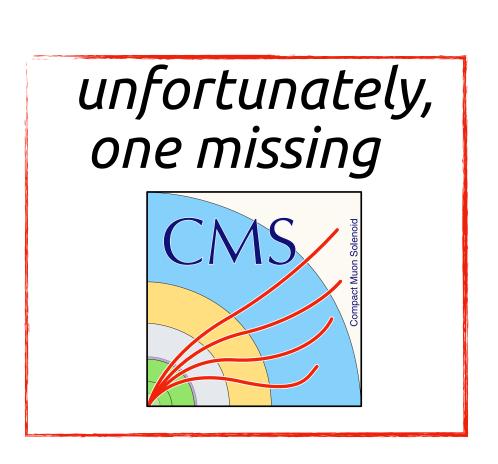
- We would like to create an environment to discuss freely the recent development and the next measurements of W-mass and related topics
- We tried to bring at IJCLab all the protagonist of this field:











 We also would like deepen the knowledge of W mass to not-directlyinvolved scientist, to improve the general awareness of (at least local) HEP community of the challenges of this field



Laboratoire de Physique des 2 Infinis

 A joint research unit of Orsay Campus





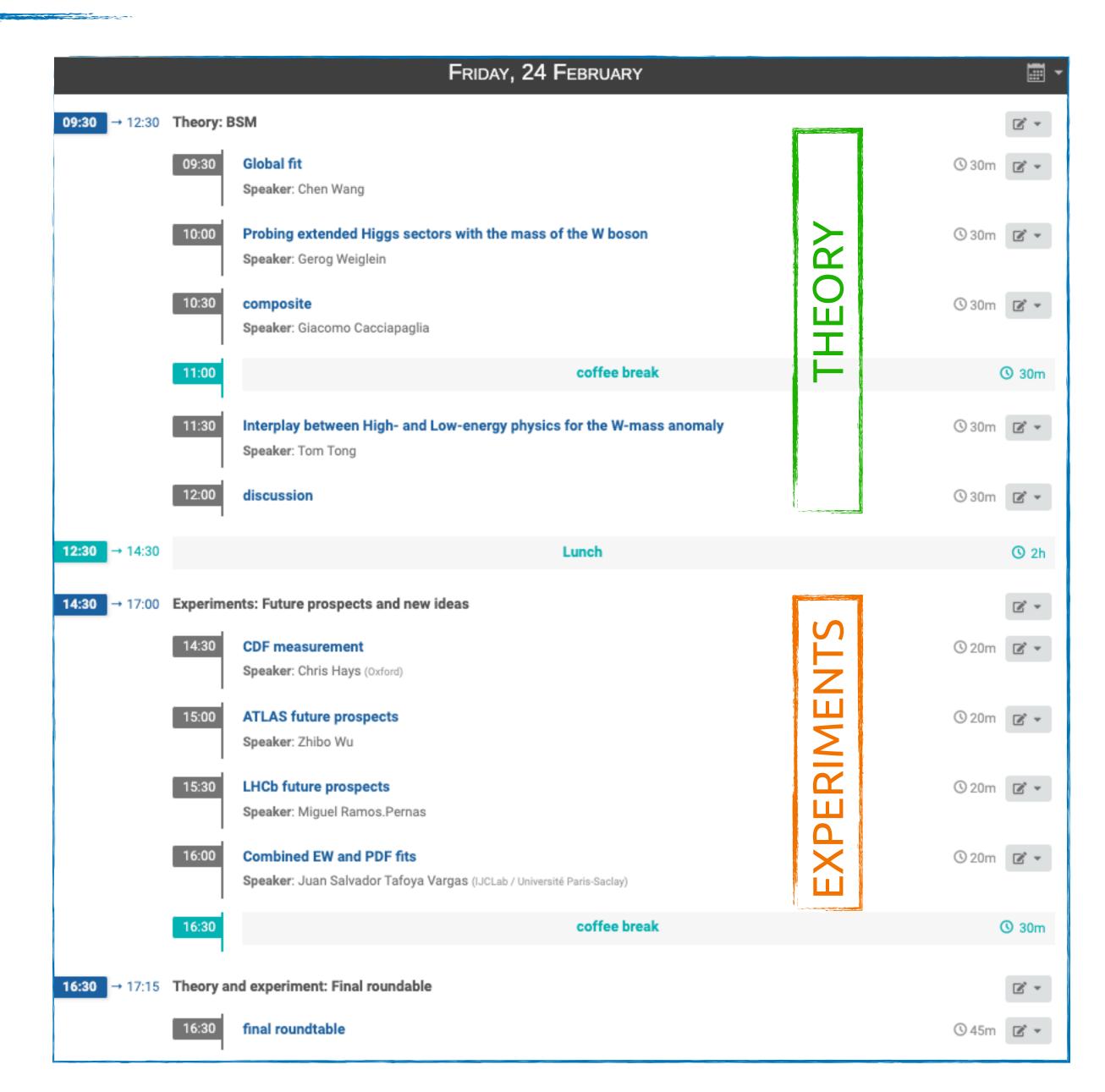


within the

- Merge of 5 pre-existing laboratory: CSNSM, IMNC, IPNO, LAL and LPT
- About 730 between researchers, engineers and technicians
- Several scientific poles: Astroparticles, Astrophysics and Cosmology, Accelerator Physics, High-Energy Physics, Nuclear Physics, Theoretical Physics, Energy and Environment, Health Physics, plus the Engineering pole

Schedule

	THURSDAY, 23 FEBRUARY		-
10:00 → 10:30	Coffee		€ +
10:30 → 10:45	Welcome and introduction Speaker: Valerio BERTACCHI (Aix Marseille Univ, CNRS/IN2P3, CPPM, Marseille, France)	TS	○ 15m
10:45 → 12:45	Experiments: Current Status and combination		€ •
	10:45 LHCb mW measurement with 2016 data Speaker: Ross Hunter	RIMEN	③ 20m 🕝 🔻
	11:15 ATLAS measurement and Combination Speaker: Maarten Boonekamp (IRFU)	PE	③ 20m 🕝 🔻
	11:45 Discussion	Ж	③30m 🕝 🕶
12:15 → 14:15	Lunch		○ 2h
14:15 → 17:35	Theory: Standard Model related topics		€ +
	14:15 Determination of the W-boson mass at hadron colliders Speaker: Alessandro Vicini		③ 20m 🕝 🔻
	14:45 QCD precision predictions for W-mass measurements (remote) Speaker: Tobias Neumann (BNL)	줐	③ 20m 🕝 🔻
	15:15 coffee break	0	③ 30m
	15:45 Mixed QCD-EW corrections and the W-mass determination Speaker: Raoul Röntsch	H	③ 20m 🕝 🔻
	Monte Carlo event generators and electroweak corrections for charged-current Drell-Yan Speaker: Mauro Chiesa		③20m 🕝 🕶
	16:45 Round table discussion		③30m 🕝 🕶
19:30 → 21:30	Dinner		O 2h



Social dinner

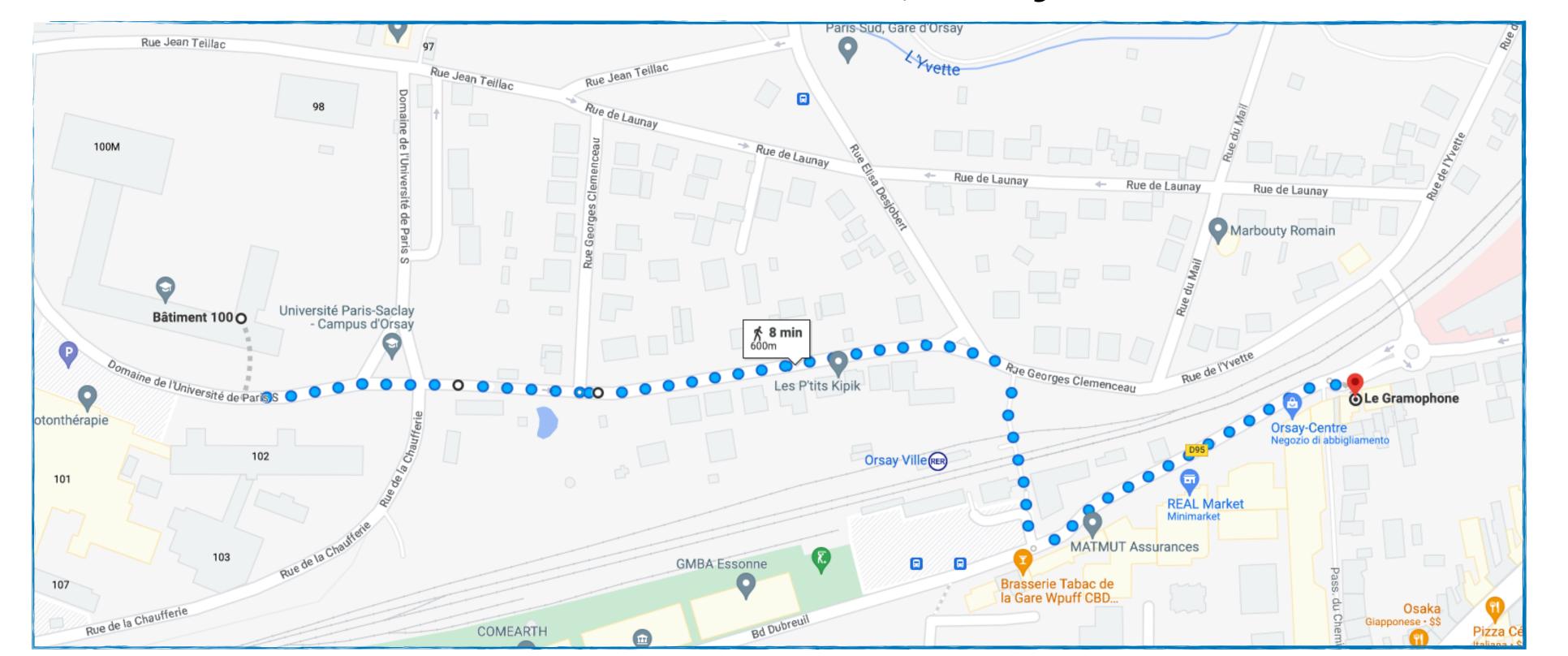
When: Tonight, 19.30, Le Gramophone



Website: https://le-gramophone-restaurant-orsay.eatbu.com/?lang=en



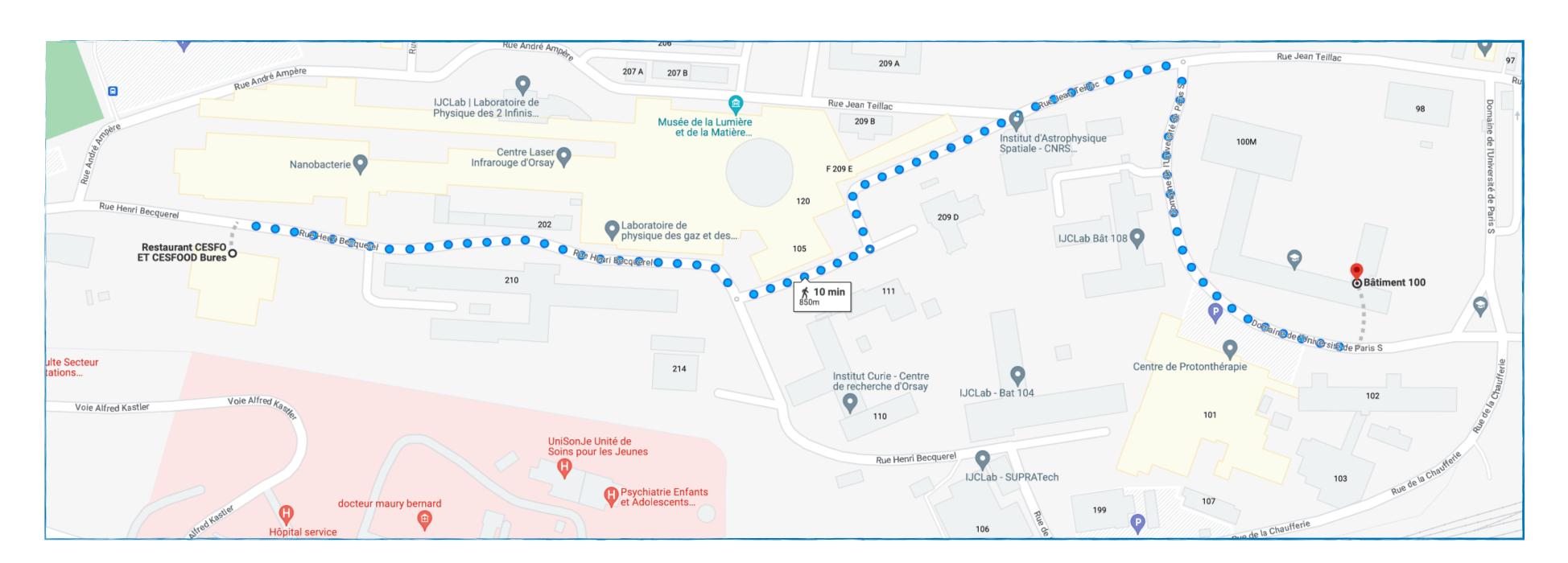
Address: 27 Boulevard Dubreuil, Orsay



NB: The dinner is not included in the workshop covered expenses

Practicalities

- **Lunches**: offered by the workshop, at the Orsay campus restaurant (10 minutes walk distance from the conference venue).
- Slides: if you are not able to upload on indico, send the slides to me (bertacchi@cppm.in2p3.fr) or bring a usb drive to the room laptop.
- Wi-fi: edurom should work fine, if it not working for you ask and we will provide support.
- Visit Paris: with the RER-B (direction "Charles de Gaulle Airport" or "Mitry Claye") you can arrive directly to the city center!



Thank you for coming!

And thanks to the ATLAS-IJCLab group for the partial financial support to the workshop

The local organizers:

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