

Erasmus Mundus Master Degree LASCALA
 Large Scale Accelerators and Lasers

Université Paris-Saclay (France); Sapienza Università di Roma (Italy)
Szegedi Tudományegyetem (Hungary); Lund University (Sweden)
Walkeyrie Winter School – Seminar Laser plasma interaction new trends
(class 2022/2024)

- **Dates:** February 12th to 22th
- **Place:** IJCLAB – Room 101
- **Google maps link:** <https://www.google.fr/maps/place/IJCLab+-+Bat+200/@48.6992782,2.1683128,17z/data=!3m1!4m6!3m5!1s0x47e67f930af74627:0xa203af57f6f64ced!8m2!3d48.6992747!4d2.1708877!16s%2Fq%2F11ryhwqmd9?entry=ttu>

	12/02/2024 Monday	13/02/2024 Tuesday	14/02/2024 Wednesday	15/02/2024 Thursday	16/02/2024 Friday
09 :30 - 10 :30		Luca Poletto <i>Extreme ultraviolet optics</i>	Luca Poletto <i>Extreme ultraviolet optics</i>	Carlos Hernandez Garcia <i>High Order Harmonic generation, Macroscopic effects</i>	Carlos Hernandez Garcia <i>High Order Harmonic generation, Macroscopic effects</i>
10 :30 – 11h		<i>Coffee break</i>	<i>Coffee break</i>	<i>Coffee break</i>	<i>Coffee break</i>
11 :00 - 12 :30		Luca Poletto <i>Extreme ultraviolet optics</i>	Luca Poletto <i>Extreme ultraviolet optics</i>	Carlos Hernandez Garcia <i>High Order Harmonic generation, Macroscopic effects</i>	Carlos Hernandez Garcia <i>High Order Harmonic generation, Macroscopic effects</i>
12 :30 -14 :30		<i>Lunch</i>	<i>Lunch</i>	<i>Lunch</i>	<i>Lunch</i>
14 :30 - 16 :00	Charles Bourrassin <i>Fundamentals of femtosecond metrology</i>	Eduardo Oliva Gonzalo <i>Laser plasma interaction modeling</i>	Eduardo Oliva Gonzalo <i>Laser plasma interaction modeling</i>	Visit of Attolab	Charles Bourrassin <i>Fundamentals of femtosecond metrology</i>
16 :00– 16 :30	<i>Discussion</i>	<i>Discussion</i>	<i>Discussion</i>	<i>Discussion</i>	<i>Discussion</i>

	19/02/2024 Monday	20/02/2024 Tuesday	21/02/2024 Wednesday	22/02/2024 Thursday
09 :30 - 10 :30	Pablo San Miguel	Manuel Kirchen <i>Feedback and conclusion on numerical challenge</i>	Spencer W. Jolly <i>Practical space-time coding on python</i>	Visit LOA
10 :30 – 11 :00	<i>Coffee break</i>	<i>Coffee break</i>	<i>Coffee break</i>	<i>Coffee break</i>
11 :00 - 12 :30	Manuel Kirchen <i>Introduction laser-plasma</i>	Spencer W. Jolly <i>Ultrashort laser pulse characterization and space-time basics</i>	Dimitris Papadopoulos <i>Overview of PetaWatt large laser system - Example of Apollon</i>	Andreas Döpp <i>Introduction to ML</i> (Amphi LOA)
12h30 -14h30	<i>Lunch</i>	<i>Lunch</i>	<i>Lunch</i>	<i>Lunch</i>
14 :30 - 16 :00	Manuel Kirchen <i>Numerical laser-plasma</i>	Slava Smartsev	Labs practical spare time	Andreas Döpp <i>ML application to laser diags and LPA optimisation</i>
16 :00 – 16 :30	<i>Coffee break</i>	<i>Coffee break</i>	<i>Coffee break</i>	<i>Coffee break</i>
16 :30 - 18 :00	Manuel Kirchen <i>Numerical laser-plasma</i>	Slava Smartsev		Andreas Döpp <i>ML application to laser diags and LPA optimisation</i>