



RESEARCH DAY

Scientific program – 2024

9h30

Techniques and Applications of attosecond pulses

Pierre Agostini

10h

Attosecond light pulses from laser driven plasma mirrors towards extreme intensities

Rodrigo Lopez-Martens, LOA

10h15

Exploring new uses for fiber optic cables

Elie Awwad, LTCI

10h30

Tutorial : Quantum Cascade Lasers: 30 Years of Innovation

Frédéric Grillot, LTCI

11h30

Laser filamentation and its applications

Aurélien Houard LOA,
Arnaud Couairon, CPHT

11h45

Light to probe plasma interactions with liquids and materials

David Pai, LPP

12h

Using multiperiod pollution standards to infer the cost of environmental regulation

Florian Grosset, CREST

12h15

Programmable optical pulse train based on Talbot effect

Youcef Driouche, SAMOVAR

14h

Different approaches to photovoltaic conversion

Jordi Badosa, Nathanaelle Schneider,
Daniel Suchet, Aubin Parmentier, IPVF, E4C

14h30

Planetology in the laboratory with high-power lasers

Alexandra Ravasio, LULI

14h45

Multiphoton microscopy : a window on life

Emmanuel Beaufrepaire, LOB

15h

Advanced optical microscopy of cultural artifacts

Gaël Latour, LOB

16h15

Controlling topological phases of matter with light

Olesia Dmytruk, CPHT

16h30

Filming the dynamics of photo-actives proteins

Michel Sliwa, LOB

16h45

Laser-plasma acceleration and its applications

Jérôme FAURE, LOA

17h

Quantum technologies

Laurent Sanchez Palencia, CPHT
Nicolas Fabre, LTCI