

# ÉCOLE DE PHYSIQUE DES HOUCHES

## 2024 PROGRAM

### CERN LHCb Team Retreat

January 10th - 12th

Marco CATTANEO, Cindy DENIS

### Doctoral Training: Physics with Trapped Charged Particles

January 15th - 26th

Niels MADSEN, Martina KOOP, Richard THOMPSON, William A. BERTSCH

### Single Molecule Biophysics: New Technological and Scientific Frontiers

January 28th - February 2nd

David RUEDA, Nynke DEKKER

### Small Bodies of the Solar System and their Link with Extraterrestrial Samples

February 4th - 9th

Olivier GROUSSIN, Thierry FOUCHET, Guillaume AVICE, Lydie BONAL, Maud BOYET, Benoit CARRY, Sébastien CHARNOZ, Celine LANTZ, Guy LIBOUREL, Mathieu ROSKOSZ

### Doctoral Training: The Physics of Star Formation

February 12th - 23rd

Patrick HENNEBELLE, Ralf KLESSEN, Sergio MOLINARI, Leonardo TESTI

### Network Dynamics: Synthesis, Structure and Mechanical Properties

February 25th - March 1st

Kirsten MARTENS, Jean-Louis BARRAT, Emanuela DEL GADO

### Physics of Complex Systems and Global Change

March 10th - 15th

Theo GEISEL, Hugues CHATÉ

### Fluorescence Markers for Advanced Microscopy: from Photophysics to Biology

March 17th - 22nd

Emmanuel MARGEAT, Ulrike ENDESFELDER, Dominique BOURGEOIS, Claire DEO

### Complex Systems, Statistical Mechanics and Machine Learning Crossover (in Memory of Giovanni Paladin)

March 24th - 29th

Sergio CHIBBARO, Angelo VULPIANI

### Doctoral Training: Topological Order : Anyons and Fractons

April 1st - 12th

Jean-Noël FUCHS, Norbert SCHUCH, Frank VERSTRAETE, Julien VIDAL

### Doctoral Training: Kardar–Parisi–Zhang Equation : New Trends in Theories and Experiments

April 15th - 26th

Léonie CANET, Anna MINGUZZI, Vivien LECOMTE

### Thermics and Nanophotonics: from Basics Concepts to Applications

April 28th - May 3rd

Patrick BOUCHON, Yannick DE WILDE

### Physics of Solar Cells: from Basic Principles to High Performance

May 12th - 17th

Stéphane COLLIN, Daniel SUCHET, Andrea CATTONI, Nathanaelle SCHNEIDER

### Doctoral Training: QISS - Quantum Information Spring School : Photonic Quantum Technologies

May 20th - 31st

Hanna LE JEANNIC, Mattia WALSCHAERS, Valentina PARIGI

### Les Houches - TSRC Protein Dynamics Workshop

June 2nd - 7th

Enrica BORDIGNON, Lars SCHÄFER, Paul SCHANDA, Ben SCHULER, Martin WEIK, Junko YANO

### Doctoral Training: 8th Les Houches School in Computational Physics: Variational Approaches for Quantum Matter in and out of Equilibrium

June 10th - 21st

Cécile REPELLIN, Tommaso ROSCILDE, Markus HOLZMANN

### From Modeling to Strategic Decision-Making Facing Planetary Boundaries: Issues and Challenges of a Multi-Disciplinary Approach

June 23rd - 28th

Hervé BERCEGOL, Clotilde CHAGNY, Thomas GAUTHIER, Romain GRANDJEAN, Noémie REBIÈRE, Zeynep KAHRAMAN-CLAUDE

### Summer School: Theory of Large Deviations and Applications

July 1st - 26th

Abhishek DHAR, Joachim KRUG, Satya N. MAJUMDAR, Alberto ROSSO, Grégory SCHEHR

### Summer School: Quantum Geometry - Mathematical Methods for Gravity, Gauge Theories and Non-Perturbative Physics

July 29th - August 23rd

Bertrand EYNARD, Elba GARCIA-FAILDE, Alessandro GIACCHETTO, Paolo GREGORI, Danilo LEWAŃSKI

### Novel Emergent Phenomena in Quantum Many-Body Dynamics

August 25th - 30th

Jacopo DE NARDIS, Jérôme DUBAIL, Katja KLOBAS, Romain VASSEUR

### Physics of Wave Turbulence and Beyond: Celebrating the 60th Birthday of Sergey Nazarenko

September 1st - 6th

Sébastien GALTIER, Giorgio KRSTULOVIC, Jason LAURIE, Simon THALABARD

### Topology and Correlations in Crystals and Quantum Matter -- Workshop to Honor Cristiane Morais Smith's 60 Birthday

September 8th - 13th

Rodrigo AROUCA DE ALBUQUERQUE, Marco DI LIBERTO, Mark Oliver GOERBIG, Vladimir JURICIĆ, Flore KUNST

### Doctoral Training: Frontiers of Condensed Matter

September 16th - 27th

Sebastian BERGERET, Julia MEYER, Jörg SCHMALIAN, Christian SCHÖNENBERGER, Gary STEELE

### Doctoral Training: Solid Earth

September 30th - October 11th

Guillaume MORARD, Renaud DEGUEN, Stéphanie DURAND

### Doctoral Training: Les Houches Predoc School on Cold Atoms: Quantum Gases and Quantum Fluids of Light

October 14th - 25th

Antoine BROWAEYS, Quentin GLORIEUX, Mathilde HUGBART

### Doctoral Training: Experimental, Theoretical and Numerical Approaches to Frustrated Quantum Magnets

October 28th - November 8th

Elsa LHOTEL, Ronny THOMALE, Françoise DAMAY, Yasir IQBAL, Nicolas LAFLORENCIE, Laura MESSIÓ, Sylvain PETIT



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