

MASTER ICFP 2<sup>nd</sup> Year - Calendar 2025-2026 - 2<sup>nd</sup> Semester

(Period: Jan, 14<sup>h</sup> to Mar, 25<sup>th</sup> / Holidays: Feb, 21<sup>th</sup> to March 1s / Review Week: Mar, 25<sup>th</sup> to Mar 27<sup>th</sup> / Exams: March, 30<sup>th</sup> to Apr, 3rd)

| Monday AM                                                                                                                 | Tuesday AM                                                                                                                                                                                                                                                          | Wednesday AM                                                                                                                                   | Thursday AM                                                                                                                                    | Friday AM                                                                                                                     |
|---------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------|
| Localized spins in solids<br><br>9.00am - 12.30pm<br>E. Giner - G. Hétet                                                  | Turbulence<br><br>9.00am - 12.00pm<br><br>A.Alexakis - B. Dubrulle<br><br>Quantum Field Theory II<br><br>10.45pm - 12.45pm<br><br>A. Kashani-Poor<br><br>Topological theory in condensed matter<br>9.00am - 12.15pm<br>JN. Fuchs - C. Mora<br><br>Room 0014 GERMAIN | Quantum computing<br><br>9.00am - 12.30pm<br><br>Thomas Ayrat                                                                                  | Ultra Cold Atoms<br><br>9.00am - 12.30pm<br><br>R. Lopes - M. Robert de St Vincent                                                             | Reservoir-controlled quantum materials<br><br>9.00am - 12.00pm<br>C. Ciuti<br>Room 390A CONDORCET                             |
| Conformal Field Theory<br><br>8.30am - 12.30pm<br>course: S. Ribault - TD: P.Roux                                         |                                                                                                                                                                                                                                                                     | Electrodynamics in Quantum Materials<br><br>9.00am - 12.00pm<br><br>L. De' Medici - R. LOBO - Y. GALLAIS                                       | Active matter and collective behaviour<br><br>9.00am - 12.00pm<br><br>C. Duclut - C. Douarche                                                  | Physics of multicellular systems<br><br>9.00am - 12.00pm<br>P. Marcq - F. Corson                                              |
| Soft or slender: mechanics of Nature-inspired, highly deformable bodies<br>9.00am - 12.00pm<br>T. Baumberger - E. Reyssat |                                                                                                                                                                                                                                                                     | Confined flows and transfers in complex fluids<br><br>9.30am - 12.30pm<br>L. Talini - M. Roché<br><br>Room 574F HALLE                          | Phenomenology of the Standard Model and Beyond<br><br>9.00am - 12.00pm<br><br>01/28/2026 Room<br>02/18/2026 Room<br>M. Goodsell                | Particles in the Dark Universe<br><br>9.00am - 12.30pm<br><br>Y.Mambrini                                                      |
| Cosmology<br><br>8.30am - 12.30pm<br>J. Martin - V. Vennin                                                                |                                                                                                                                                                                                                                                                     | From statistical physics to complex systems<br><br>9.00am - 12.30pm<br><br>J. Randon-Furling - C. Scalliet                                     |                                                                                                                                                | Localization phenomena in quantum disordered systems<br><br>9.00am - 12.30pm<br>N.Cherroret                                   |
| Monday PM                                                                                                                 | Tuesday PM                                                                                                                                                                                                                                                          | Wednesday PM                                                                                                                                   | Thursday PM                                                                                                                                    | Friday PM                                                                                                                     |
| Quantum Field Theory II<br><br>13.45am - 15.45pm<br><br>A. Kashani-Poor                                                   | String Theory<br><br>1.45pm - 5.45pm<br><br>course: S. Lust- TD P. Van Vliet                                                                                                                                                                                        | Differential geometry and gauge theory<br><br>2.00pm - 5.00pm<br><br>H. Auvray                                                                 | Ultimate quantum conductors: Novel electronic states and transport phenomena<br><br>3.00pm - 6.00pm<br><br>M. Ferrier - T. Cren - D. Roditchev | Quantum physics out of equilibrium<br>2.00pm - 5.30pm<br><br>M. Schiro                                                        |
| Physics of 2D Materials<br><br>1.45pm - 4.45pm<br>A.Shukla - N.Bergeal - J. Biscaras                                      | Cavity and circuit QED<br><br>2.00pm - 5.30pm<br>Z. Leghtas - S. Gleyzes                                                                                                                                                                                            | Ultimate quantum conductors: Novel electronic states and transport phenomena<br><br>2.00pm - 5.00pm<br><br>M. Ferrier - T. Cren - D. Roditchev |                                                                                                                                                | Quantum physics and condensed matter in advanced technology<br><br>2.00pm - 5.00pm<br>C.Sirtori S. Basceken                   |
| Statistical physics of disordered systems<br><br>2.00am - 6.00pm<br>A. Rosso - V.Ros                                      | Ecology, evolution and epidemiology<br><br>2.00pm - 6.00pm<br><br>C. Loverdo - T. Mora                                                                                                                                                                              | From Statistical Physics to Machine Learning & Back<br><br>course: 2.00pm - 4.00pm<br>TD : 4.15pm - 5.45pm<br><br>G. Biroli - M. Gabrié        | Machine Learning<br><br>2.00pm - 5.30pm<br><br>course: M. Lelarge - TD: L.Defilippis - R. Urfin                                                | Introduction to AdS/CFT *<br>2.00pm - 5.00pm<br>B. Goutéraux                                                                  |
| Quantum metrology<br><br>2.00pm - 5.30pm<br><br>N. Treps - J. Reichel - M. Isoard - J. Lodewyck                           |                                                                                                                                                                                                                                                                     |                                                                                                                                                |                                                                                                                                                | Circuits and network dynamics in synthetic biology and neuroscience<br><br>2.00pm - 5.30pm<br>G. Debregas V. Bormuth M. Morel |
|                                                                                                                           |                                                                                                                                                                                                                                                                     |                                                                                                                                                |                                                                                                                                                | Random geometry and non-unitary quantum field theories<br>1.45am - 5.45pm<br><br>START 23.01.2026<br>J. Jacobsen              |
| Sorbonne université (ROOM PAGE 2)                                                                                         |                                                                                                                                                                                                                                                                     |                                                                                                                                                |                                                                                                                                                | Université Paris Cité                                                                                                         |

| Day       | Course                                                                       | Instructor                                      | Room                                                                                      | Room                                            |
|-----------|------------------------------------------------------------------------------|-------------------------------------------------|-------------------------------------------------------------------------------------------|-------------------------------------------------|
| MONDAY    | Localized spins in solids                                                    | E. Giner - G. Hétet                             | <a href="#">14-24 105 from 19/01/2026 to 16/02/2026</a>                                   | 56-66 201 from 02/03/2026 to 23/03/2026         |
|           | Conformal Field Theory                                                       | Sylvain Ribault - Paul Roux                     | <a href="#">56-66 105 from 19/01/2026 to 16/02/2026</a>                                   | 56-66 104 from 02/03/2026 to 23/03/2026         |
|           | Soft or slender: mechanics of Nature-inspired, highly deformable bodies      | T. Baumberger - E. Reyssat                      | <a href="#">14-24 210 from 19/01/2026 to 16/02/2026</a>                                   | 33-34 112 from 02/03/2026 to 23/03/2026         |
|           | Cosmology                                                                    | J. Martin - V. Vennin                           | <a href="#">54-55 204 from 19/01/2026 to 16/02/2026</a>                                   | 54-55 204 from 02/03/2026 to 23/03/2026         |
|           | Physics of 2D Materials                                                      | A.Shukla - N.Bergeal - J. Biscaras              | <a href="#">24-25 106 from 19/01/2026 to 16/02/2026</a>                                   | 33-34 112 from 02/03/2026 to 23/03/2026         |
|           | Statistical physics of disordered systems                                    | A. Rosso - V.Ros                                | <a href="#">54-55 202 from 19/01/2026 to 16/02/2026</a>                                   | 56-66 209from 02/03/2026 to 23/03/2026          |
|           | Quantum Field Theory II                                                      | A. Kashani-Poor                                 | <a href="#">14-24 107 from 19/01 to 02/02 &amp; 09/02 24-34 207 &amp; 16/02 14-24 107</a> | 14-24 109 from 02/03/2026 to 23/03/2026         |
|           | Quantum metrology                                                            | N. Treps - J. Reichel - M. Isoard - J. Lodewyck | <a href="#">14-24 205 from 19/01/2026 to 16/02/2026</a>                                   | 14-24 203 from 02/03/2026 to 23/03/2026         |
| TUESDAY   | Turbulence                                                                   | A.Alexakis - B. Dubrulle                        | <a href="#">14-24 205 from 20/01/2026 to 17/02/2026</a>                                   | 56-66 201 from 03/03/2026 to 24/03/2026         |
|           | Quantum Field Theory II                                                      | A. Kashani-Poor                                 | <a href="#">14-24 207 from 20/01/2026 to 17/02/2027 - 3&amp;10/02 9.45am to 12.45pm</a>   | 56-66 111 from 03/03/2026 to 24/03/2027         |
|           | Cavity and circuit QED                                                       | Z. Leghtas - S. Gleyzes                         | <a href="#">14-24 201 from 20/01/2026 to 17/02/2026</a>                                   | 56-66 101 from 03/03/2026 to 24/03/2026         |
|           | String Theory                                                                | S. Lust - P. Vanvliet                           | <a href="#">24-34 307 from 20/01/2026 to 17/02/2026</a>                                   | 54-55 203 from 03/03/2026 to 24/03/2026         |
|           | Ecology, evolution and epidemiology                                          | C. Loverdo - T. Mora                            | <a href="#">23-24 102 from 20/01/2026 to 17/02/2026</a>                                   | 56-66 209from 03/03/2026 to 24/03/2026          |
| WEDNESDAY | Quantum computing                                                            | Thomas Ayral                                    | <a href="#">56-66 105 from 14/01/2026 to 18/02/2026</a>                                   | 14-24 207 04/03 & from 11/03 to 18/03 24-34 301 |
|           | From statistical physics to complex systems                                  | J. Randon-Furling - C. Scalliet                 | <a href="#">54-55 203 from 14/01/2026 to 18/02/2026</a>                                   | 14-24 209 from 04/03/2026 to 18/03/2026         |
|           | Electrodynamics in Quantum Materials                                         | L. De' Medici - R. LOBO - Y. GALLAIS            | <a href="#">14-24 210 from 14/01/2026 to 18/02/2026</a>                                   | 14-24 210 from 04/03/2026 to 18/03/2026         |
|           | Ultimate quantum conductors: Novel electronic states and transport phenomena | M. Ferrier - T. Cren - D. Roditchev             | <a href="#">56-66 108 from 14/01/2026 to 18/02/2026</a>                                   | 33-34 119 from 04/03/2026 to 18/03/2026         |
|           | Differential Geometry and Gauge Theory UM5PYF30                              | H. Auvray                                       | <a href="#">24-25 107 from 14/01 to 18/02</a>                                             | 14-24 201 04/03 - from 11/03 to 18/03 56-66 111 |
|           | From Statistical Physics to Machine Learning & back                          | G. Biroli M. Gabrié                             | <a href="#">24-34 101 from 14/01/2026 to 18/02/2026</a>                                   | 14-24 207 04/03 - from 11/03 to 18/03 24-34 103 |
|           | Phenomenology of the Standard Model and Beyond                               | M. Goodsell                                     | <a href="#">24-34 110 28/01/26</a>                                                        |                                                 |
|           | Phenomenology of the Standard Model and Beyond                               | M. Goodsell                                     | <a href="#">14-15 103 18/02/26</a>                                                        |                                                 |
| THURSDAY  | Ultra Cold Atoms                                                             | R. Lopes - M. Robert de St Vincent              | <a href="#">13-14 107 from 15/01/2026 to 19/02/2026</a>                                   | 14-24 203 05/03 - from 12/03 to 19/03 24-25 103 |
|           | Active matter and collective behaviour                                       | C. Duclut - C. Douarche                         | <a href="#">55-65 101 from 15/01/2026 to 19/02/2026 (19/02 2.00pm - 5.00pm 56.66.104)</a> | 14-24 201 05/03 - 19/03 55-65 101               |
|           | Phenomenology of the Standard Model and Beyond                               | M. Goodsell                                     | <a href="#">56-66 201 from 15/01/2026 to 19/02/2026 - except 29/01 &amp; 12/02</a>        | 14-24 205 05/03 - from 12/03 to 19/03 24-25 104 |
|           | Ultimate quantum conductors: Novel electronic states and transport phenomena | M. Ferrier - T. Cren - D. Roditchev             | <a href="#">24-34 212 from 15/01/2026 to 19/02/2026</a>                                   | Atrium 427 from 05/03 to 19/03                  |
|           | Machine Learning                                                             | M. Lelarge                                      | <a href="#">14-24 305 from 15/01/2026 to 19/02/2026 except 12/02 54-55 205</a>            | 14-24 305 05/03 - from 12/03 to 19/03 14-24 305 |
| FRIDAY    | Introduction to AdS/CFT                                                      | Blaise GOUTÉRAUX                                | <a href="#">55-65 105 from 16/01/2026 to 20/02/2026</a>                                   | 14-24 209 06/03 - from 13/03 to 20/03 55-65 103 |
|           | Physics of multicellular systems                                             | H. Turlier- F. Corson -N. Ecker                 | <a href="#">24-25 105 from 16/01/2026 to 20/02/2026</a>                                   | 14-24 210 06/03 - from 13/03 to 20/03 14-15 105 |
|           | Particles in the Dark Universe                                               | Y.Mambrini                                      | <a href="#">24-25 106 from 16/01/2026 to 20/02/2026</a>                                   | 33-34 119 06/03 - from 13/03 to 20/03 14-15 104 |
|           | Localization phenomena in quantum disordered systems                         | N.Cherroret                                     | <a href="#">24-25 108 from 16/01/2026 to 20/02/2026</a>                                   | 14-24 208 06/03 - from 13/03 to 20/03 14-15 106 |
|           | Quantum physics out of equilibrium                                           | M. Schiro                                       | <a href="#">23-24 212 from 16/01/2026 to 20/02/2026</a>                                   | 14-24 207 06/03 - from 13/03 to 20/03 13-14 107 |
|           | Quantum physics and condensed matter in advanced technology                  | C.Sirtori                                       | <a href="#">24-25 103 from 16/01/2026 to 20/02/2026</a>                                   | 14-24 205 06/03 - from 13/03 to 20/03 14-15 106 |
|           | Circuits and network dynamics in synthetic biology and neuroscience          | G. Debregas V. Bormuth M. Morel                 | <a href="#">24-25 106 from 16/01/2026 to 20/02/2026</a>                                   | 14-24 206 06/03 - from 13/03 to 20/03 14-15 108 |
|           | Random geometry and non-unitary quantum field theories                       | J. Jacobsen                                     | <a href="#">56-66 110 from 16/01/2026 to 20/02/2026</a>                                   | 14-24 316 06/03 - from 13/03 to 20/03 56-66 108 |