

## Tuesday September 17<sup>th</sup>

|       |  |  |
|-------|--|--|
| 14:30 | Registration   |  |
| 15:00 | Welcome  | R. Fornari<br>(Vice Rector for Research) |
| 15:15 | EuroPLEx   | F. Di Renzo                              |
| 15:45 | WorkPackage 2<br>Direct Searches for New Physics                             | C. Pica                                  |
| 16:15 | PhD Project 9 (UEDIN)<br>Numerical studies of composite Higgs models         | A. Portelli                              |
|       | PhD Project 13 (UREG)<br>Matrix elements for direct detection of dark matter | S. Collins                               |
|       | PhD Project 15 (SDU)<br>Composite extensions of the Standard Model           | C. Pica                                  |
| 17:00 | Coffe Break  |  |
| 17:30 | Partner Organisation UoB<br>NA62 Collaboration                               | C. Lazzeroni                             |
| 18:00 | Partner Organisation MAPS<br>Data Science                                    | G. Cattani                               |
| 18:30 | Partner Organisation MediaLab<br>Science Communication                       | S. Cerrato                               |

## Wednesday September 18<sup>th</sup>

|       |  |                 |
|-------|--|-----------------|
| 9:00  | Partner Organisation BNL<br>RHIC Physics   | S. Mukherjee    |
| 9:30  | WorkPackage 3<br>QCD under extreme conditions  | C. Schmidt      |
| 10:00 | PhD Project 1 (UNIPR)<br>Thimble regularization of Lattice Gauge Theories  | F. Di Renzo     |
|       | PhD Project 5 (UNIBI)<br>Freeze-out in heavy ion collisions and the search for<br>the critical point in the QCD phase diagram    | C. Schmidt      |
| 10:30 | Coffe Break  |                 |
| 11:00 | WorkPackage 6<br>Algorithms  | M. Peardon      |
| 11:30 | WorkPackage 5<br>New Tools for High Precision Lattice QCD  | M. Marinkovic   |
| 12:00 | PhD Project 6 (TCD)<br>Isospin breaking corrections to hadronic observables<br>using local realisation of QED+QCD on the lattice | M. Marinkovic   |
|       | PhD Project 7 (TCD)<br>The gradient flow and quark mass renormalization<br>in a finite volume scheme                             | S. Sint         |
| 12:30 | Lunch Break  |                 |
| 14:30 | Partner Organisation RUG<br>panda Collaboration  | J. Messchendorp |
| 15:00 | Partner Organisation Prensa Científica<br>Science Communication  | E. Lozano       |
| 15:30 | Integrity and ethics in research<br>Soft skills  | S. Cerrato      |
| 16:30 | Coffe Break  |                 |
| 17:00 | Fellows meeting  |                 |

## Thursday September 19<sup>th</sup>

|       |   |              |
|-------|---|--------------|
| 9:00  | Partner Organisation CERN<br>ATLAS Collaboration                      | M. Elsing    |
| 9:30  | Partner Organisation DESY<br>Belle II Collaboration                   | A. Rostomyan |
| 10:00 | Partner Organisation We predict<br>Data Science                       | N. Rees      |
| 10:30 | Coffe Break   |              |
| 11:00 | WorkPackage 7<br>Hardware-aware Progress in Software                  | A. Portelli  |
| 11:30 | WorkPackage 8<br>Advanced Statistics and Data Analysis                | G. Aarts     |
| 12:00 | PhD Project 14 (USWA)<br>Novel approaches to QCD in the dense phase   | G. Aarts     |
|       | PhD Project 3 (UBER)<br>Testing QCD weak coupling perturbation theory | R. Sommer    |
| 12:30 | Lunch Break   |              |
| 14:00 | Supervisory Board meeting   |              |
| 14:00 | Training Board meeting  |              |
| 16:30 | Excursion to <i>Labirinto della Masone</i>                            |              |
| 19:30 | Social dinner at <i>12 monaci</i> restaurant                          |              |

## Friday September 20<sup>th</sup>

|       |   |                    |
|-------|---|--------------------|
| 9:00  | Partner Organisation CRAY<br>High Performance Computing   | A. Lazzaro         |
| 9:30  | WorkPackage 1<br>Indirect searches for New Physics  | G. Herdoiza        |
| 10:00 | PhD Project 8 (UEDIN)<br>High-precision description of unstable hadrons through lattice simulations           | A. Portelli        |
|       | PhD Project 10 (UAM)<br>Leptonic and semi-leptonic decays of heavy-light mesons                               | C. Pena            |
|       | PhD Project 12 (UREG)<br>Axial form factors for neutrino experiments  | G. Bali            |
| 10:30 | Coffe Break   |                    |
| 11:00 | Partner Organisation GOOGLE<br>Data Science   | C. Best            |
| 11:30 | WorkPackage 4<br>Lattice for the progress of Formal Field Theory  | V. Forini          |
| 12:00 | PhD Project 2 (UNIPR)<br>Phase structure of quantum gauge theories on compact manifolds at finite temperature | L. Griguolo        |
|       | PhD Project 4 (UBER)<br>String world-sheet and AdS/CFT: a lattice approach                                    | V. Forini          |
|       | PhD Project 11 (UAM)<br>Large N spectroscopy on a single-site lattice   | A. Gonzàles-Arroyo |
| 12:45 | <i>Arrivederci!</i>   |                    |