

# Loops and Legs in Quantum Field Theory

## Schedule

### Sunday, April 23:

|             |                          |
|-------------|--------------------------|
| 16:00       | Registration             |
| 18:00       | <i>Dinner</i>            |
| 19:30–20:30 | <i>Welcome Reception</i> |

### Monday, April 24:

#### Morning Session

|       |                   |                                                                                 |
|-------|-------------------|---------------------------------------------------------------------------------|
| 09:00 |                   | Welcome                                                                         |
| 09:10 | <b>J. Mnich</b>   | Precision Measurements at the LHC                                               |
| 09:50 |                   | Discussion                                                                      |
| 10:00 | <b>W. Kilgore</b> | Exclusive Drell-Yan production at NNLO                                          |
| 10:20 |                   | Discussion                                                                      |
| 10:30 | <b>U. Baur</b>    | Measuring Electroweak Top Quark Couplings at the LHC                            |
| 10:50 |                   | Discussion                                                                      |
| 11:00 |                   | <b>Coffee</b>                                                                   |
| 11:30 | <b>A. Denner</b>  | Complete electroweak $O(\alpha)$ corrections to $e^+e^- \rightarrow 4$ fermions |
| 11:50 |                   | Discussion                                                                      |
| 12:00 | <b>R. Sommer</b>  | Fundamental QCD parameters from lattice QCD                                     |
| 12:20 |                   | Discussion                                                                      |
| 12:30 | <b>W. Hollik</b>  | Precision calculations in the MSSM                                              |
| 12:50 |                   | Discussion                                                                      |
| 13:00 |                   | <b>Lunch</b>                                                                    |

**Monday, April 24:****Afternoon Session**

|       |                       |                                                                                        |
|-------|-----------------------|----------------------------------------------------------------------------------------|
| 14:30 | <b>J. Vermaseren</b>  | Recent Developments in FORM                                                            |
| 14:50 |                       | Discussion                                                                             |
| 15:00 | <b>A. Vogt</b>        | Third-order QCD results on form factors, splitting functions and coefficient functions |
| 15:20 |                       | Discussion                                                                             |
| 15:30 | <b>A. Mitov</b>       | Analytical evaluation of differential distributions in Mellin space                    |
| 15:50 |                       | Discussion                                                                             |
| 16:00 |                       | <b>Coffee</b>                                                                          |
| 16:30 | <b>J. Kühn</b>        | Electroweak Corrections for Top Quark and Gauge Boson Production at Hadron Colliders   |
| 16:50 |                       | Discussion                                                                             |
| 17:00 | <b>Ch. Anastasiou</b> | Precise predictions for the electron energy spectrum in muon decay                     |
| 17:20 |                       | Discussion                                                                             |
| 17:30 | <b>T. Binoth</b>      | One-loop techniques and first applications for LHC phenomenology                       |
| 17:50 |                       | Discussion                                                                             |
| 18:00 |                       | <b>Dinner</b>                                                                          |
| 20:00 |                       | <b>Concert</b>                                                                         |

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