SCHEDULE OF TALKS
QTWO III

ALL LUNCHES AND DINNERS WILL BE SERVED AT ZIF! FOR THE THURSDAY DINNER WE SHALL COLLECT 25 EUROS PER PERSON, WHICH WILL BE COLLECTED AT REGISTRATION ON MONDAY FROM 9.00-10.00 (MC-MEMBERS) AND 13.00-15.00 (ALL PARTICIPANTS).

- **Monday: 10.00-12.00 nonpublic MC-meeting**

  Lunch

- **Monday: Philosophy of Science**

  14.45-15.00 Welcome address

  15.00-16.30 What theories qualify as quantum theories without observers and why do we want such theories? (Albert/Maudlin)

  Coffee Break

  17.00-17.45 Does a physical theory need an interpretation? (Esfeld)

  17.45-19.00 General Discussion of the talks and: What makes quantum theory special? (Chair: Dürr)

  Reception and Dinner

- **Tuesday: QTWO and relativity (long day!)**

  9.00-9.40 GRW-collapse models (Ghirardi)

  9.40-10.20 Bohmian Mechanics (Teufel)

  Coffee Break

  11.00-11.40 Compatible Quantum Theory (Hohenberg)

  11.40-12.20 The Path Integral Interpretation of Quantum Mechanics (Dowker)

  Lunch

  15.00-15.40 Growth of decoherence (Omnès)

  Coffee Break

  16.00-16.40 Bell and Nonlocality (The argument and the conclusion) (Bricmont)

  16.40-17.20 Relativistic BM (Struyve)

  17.20-18.00 Relativistic GRW (Tumulka)

  Refreshments and sandwiches/snacks

  18.40-19.20 Causal Set Theory (Sorkin)

  19.20-20.20 General Discussion of the talks (Chair: Kiessling)

- **Wednesday: Experiments on Foundations of QM**
  9.00-9.40 Probing macroscopic superpositions (Theory) (Bassi)
  9.40-10.20 Weak Measurements (Theory) (Wiseman)

  Coffee Break

  11.00-11.40 Probing large entanglement (Gisin)
  11.40-12.20 Bell's inequalities experiments (Weinfurter)

  Lunch

  15.00-15.40 weak measurements of trajectories (Rozema)

  Coffee Break

  16.20-17.00 experiments on macroscopic superpositions (Ulbricht)
  17.00-17.40 Tests of subatomic QM (Hiesmayr)
  17.40- 19.00 general discussion of experiments and QM (Chair: Catalina Curceanu)

  Conference Dinner

- **Thursday: Meaning of the wave function**
  9.00-9.40 The ontic character of the wave function (Pusey)
  9.40-10.20 Different kinds of wave functions (Oriols)

  Coffee Break

  11.00-11.40 Do we finally understand Quantum Mechanics? (Fröhlich)
  11.40-12.00 discussion to be continued in the afternoon

  Lunch

  15.00-16.30 Round Table on the role of the wf (speakers of the day, Ghirardi, Goldstein, Zanghì)

  Coffee Break

  17.00-19.00 young researcher session. 25-minutes talks + 5 minutes discussion
  Yearsley: Decoherent Histories and Bohmian Mechanics
  Colbeck: The free choice assumption
  Vassallo: A Primitive Ontology Approach to Canonical Quantum Gravity
  Hubert: Dispositions in Bohmian Mechanics

  Dinner

- **Friday: Résumé**
  9.00-10.00 Appraisal of Bell and his work on foundations of QM (Norsen)

  Coffee Break

  10.40-12.00 Retrospective and Perspective on QTWO (Goldstein)
  12.00 Closing of the conference

  Lunch