



Δ-Meeting – Programme

**QCD, Nonequilibrium Dynamics, Complex Systems,
and
Simulational Methods**

FRIDAY 30.1.

14:00 – 20:15

Philosophenweg 19

14:00 *G. Aarts

Stochastic Quantization and sign problem*

15:00 V. Rubakov

Warm dark matter and the LHC

16:00

Break

16:30 * J.M. Pawłowski

Confinement and chiral symmetry breaking from functional methods: results & challenges *

17:15 D. Spielmann

Stochastic Quantisation in Landau gauge

18:00 S. Scheffler

Turbulence in nonabelian gauge theories

18:45 G. Bergner

The lattice as a supersymmetry regulator

19:30 C. Wozar

The 2d N=2 Wess-Zumino model on the lattice

20:15

Dinner

***: Introductory/review talks**

SATURDAY 31.01.

9:00--19:45

Philosophenweg

16

9:00 *M. Müller-Preussker **Calorons and dyons in SU(2) Yang-Mills theory at $T>0$ ***
10:00 R. Hofmann **Magnetic activity in deconfining Yang-Mills Thermodynamics**

10:45

Break

11:15 A. Wipf **Spectral sums and confinement in YM-theories**
12:00 O. Wantz **Grand Canonical simulations in the Instanton Liquid model**
12:45 B.-J. Schaefer **Exploring the chiral and deconfinement phase structure of QCD**

13:30

Lunch

14:30 W. Unger **The Chiral Phase Transition**
15:15 F. Marhauser **Confinement in Polyakov gauge**

16:00

Break

16:30 D. Gruenewald **Gluon structure function of a color dipole on the lattice**
17:15 S. Borsanyi **Line of constant physics in QCD**
18:00 C. Ford **Non-hermitian QED**
18:45 I.-O. Stamatescu **LE and RW for complex actions**

19:30

Dinner

***: Introductory/review talks**