



Δ-Meeting – Programme

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

FRIDAY 30.1.

14:00 – 20:15

Philosophenweg 19

14:00 *G. Arts

Stochastic Quantization and sign problem*

14:15 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

18:15 S. Borsanyi

Line of constant physics in QCD

19:00 C. Ford

Non-hermitian QED

19:45 M. Ilgenfritz

NN

19:45 I.-O. Stamatescu

LE and RW for complex actions

19:45

Dinner

***: Introductory/review talks**