Δ-Meeting – Programme

QCD, Nonequilibrium Dynamics, Complex Systems, and Simulational Methods

FRIDAY 7.5. **14:00 – 20:00** **Philosophenweg 19**

14:00	**L. von Smekal**	**QCD Phase Transitions and Green's Functions**
14:40	**T. Gasenzer**	**Critical physics far from equilibrium**
15:20	**L. Haas**	**Phase diagram of QCD from functional methods**
15:50		**Break & Information**
16:10	**D. Litim**	**Recent developments in quantum gravity**
16:50	**T. Kovacs**	**Poisson to Wigner−Dyson transition in the high temperature Dirac spectrum**
17:30	**E. Regoes**	**Low scale gravity black holes at LHC**
18:00		**Break**
18:20	**C. Fischer**	**Chiral and deconfinement phase transition from Dyson-Schwinger equations**
19:00	**A. Maas**	**Scalar particles**
19:30	**R. Hofmann**	**Black-body anomaly at low frequencies and temperatures - - experimentally**
20:00		**Dinner**

SATURDAY 8.5. 9:00--19:20 Philosophenweg 16

9:00	**F. Bruckmann**	**Random matrix theory for finite temperature QCD**
9:40	**J. Myers**	**Finite chemical potential in small volumes**
10:20	**A. Wipf**	**String breaking and Confinment in G2 gauge Theories**

10:50 Break

11:20	**A. Kurkela**	**Cold quark matter**
12:00	**W. Unger**	**Magnetic equation of state in 2+1 flavour QCD: Towards the continuum limit**
12:30	**C. Wozar**	**Spontaneous supersymmetry breaking in the 2-d WZ-model on the lattice**

13:00 Lunch

14:00	**B.-J. Schaefer**	**Fluctuations and the QCD Phase Diagram**
14:40	**J. Polonyi**	**Decoherence and damping in ideal gases**
15:20	**A. Siwek**	**Boundary conditions and consistency of effective theories**

15:50 Break

16:10	**S. Borsanyi**	**Very hot lattice gauge theory**
16:50	**D. Sexty**	**Nielsen-Olesen vs. Weibel instability in heavy ion collisions**
17:30	**D. Spielmann**	**Confinement and infrared propagators in lattice Landau gauge**

18:00 Break

18:20	**V. Pangon**	**RG study of spontaneously broken symmetries**
18:50	**S. Edwards**	**Vortices**

19:20 Dinner