

Programme: **Minerva-Gentner Symposium 2009:**

**Experiment confronts String Theory**

Date: **12 - 15 Oct. 2009** -- Location: **Harnack House, Berlin, Germany**

**Monday 12.10.2009 - Arrival day**

**Afternoon: Strings, Standard Model, QCD and Hadron Structure**

12:30 Lunch  
14:00-14:15 Welcome (H.Abramowicz, R.Klanner)  
14:15-14:45 General review of AdS/CFT - Y. Oz (TAU)  
15:00-15:30 From String Theory to the Standard Model - H.-P. Nilles (Bonn)  
15:45-16:15 From QCD to String Theory (Pomeron) - J. Bartels (Hamburg)  
16:30 Coffee  
16:45-17:15 From String Theory to QCD - I.Kirsch (DESY Hamburg)  
17:30-18:00 Experiment: QCD and Hadron Structure - A.Caldwell (MPI)  
18:10-18:40 Theory: Spectrum of Heavy Quark Hadrons - M. Karliner(TAU)  
19:30 Dinner

**Tuesday 13.10.2009**

**Morning: Non-pert. QCD, Confinement, Chiral Symmetry Breaking, Heavy Ions, etc**

09:00-09:30 Lattice (links to strings) - R. Sommer (Zeuthen)  
09:45-10:15 Holographic and stringy baryons - J. Sonnenschein (TAU)  
10:30 Coffee  
10:45-11:15 Theory of Heavy Ion Interactions - U. Wiedemann (CERN)  
11:30-12:00 The effective action on the QCD string - O. Aharony (Weizmann)  
12:30 Lunch

**Afternoon: Heavy Ions continued and Multiparton Interactions**

14:00-14:30 Experimental Results Heavy Ions - P. Braun-Munzinger (GSI)  
14:45-15:15 Theory: Multiparton Interactions - L. Frankfurt (TAU)  
15:30-16:00 Multiparton Interactions experimental - A. Knutsson (DESY)  
16:15 Coffee  
16:45-17:15 Prospects after one year of LHC running - G. Mikenberg (Weizmann)  
17:30-18:00 How the German-Israel scientific cooperation started 50 years ago  
- I. Talmi (Weizmann)  
19:00 Dinner  
20:30 After Dinner Talk: H. Kant (MPIWG-Berlin): Helmholtz, Planck,  
Einstein & Co. - Physics in Berlin between the formation of the  
Reich and the First World War

**Wednesday 14.10.2009**

**Morning: Supersymmetry**

09:00-09:30 SUSY phenomenology - G. Weiglein (DESY)  
09:45-10:15 SUSY experimental - E. Duchovni (Weizmann)  
10:30 Coffee  
10:45-11:15 Model Building - D. Lust (MPI)  
11:30-12:00 SUSY Breaking - A. Givon (Hebrew U)  
12:30 Lunch

**Afternoon: Extra Dimensions, Black Holes, Cosmology and more on strings**

14:00-14:30 Extra Dimensions and Black Holes, theory: G. Dvali (CERN)  
14:45-15:15 Extra Dimensions and Black Holes, exp.: H.-Ch. Schultz-Coulon (HD)  
15:30-16:00 Exact Results for 4D Yang-Mills Theory from String Theory  
M Staudacher (AIP-Golm)  
16:15 Coffee  
16:45-17:15 Cosmological Parameters I - R. Brustein (Ben Gurion U)  
17:30-18:00 Time for more talks and/or discussion on symposium and more  
19:30 Dinner

**Thursday 15.10.2009 - Departure Day**

**Morning: Cosmology and Closing Lecture**

09:00-09:30 Dark matter searches - K. Eitel (Karlsruhe)  
09:45-10:15 Theory: Cosmology and Strings - N. Itzhaki (TAU)  
10:30 Coffee  
10:45-11:15 Experimental General Relativity - B. Kol (Hebrew U)  
11:30-12:15 Closing lecture - E. Rabinovici (Hebrew U)  
12:30 Lunch  
14:00 Departure