DESY Theory Workshop 2002 "Quantum Chromodynamics"
September 24 – 27, 2002

INTRODUCTORY LECTURES: Tuesday, 24. Sept. 2002, Auditorium, Building 5

Each lecture 90 min. + 10 min. discussion

09.00 - 10.40	**R. Keith Ellis** (FNAL)	Deep-inelastic scattering and jets
10.40 - 11.00	Break	
11.00 - 12.40	**Andreas Ringwald** (DESY)	Non-perturbative methods (not lattice)
14.00 - 15.40	**Dietrich Bödeker** (Bielefeld)	Finite-temperature field theory
15.40 - 16.00	Break	
16.00 - 17.40	**Karl Jansen** (NIC/DESY)	Lattice QCD

PLENARY SESSION I: Wednesday, 25. Sept. 2002, morning, Auditorium, Building 5

09.00 - 09.10	**Robert Klanner** (DESY)	Opening address
09.15 - 09.45	**Victor Fadin** (Novosibirsk)	Status of the small-x resummation programme
09.50 - 10.35	**Alfred H. Mueller** (Columbia)	Non-linear effects and saturation at small x
10.40 - 11.10	**Hans Günter Dosch**(Heidelberg)	High energy reactions and the QCD vacuum structure
11.15 - 11.45	Break	
11.45 - 12.15	**John C. Collins** (Penn State)	Physics of hard diffraction
12.20 - 13.05	**E.W. Nigel Glover** (Durham)	Towards next-to-next-to-leading order jet calculations

PLENARY SESSION II: Wednesday, 25. Sept. 2002, afternoon, Auditorium, Building 5

14.30 - 15.00	**Martin Lüscher** (CERN)	Quark confinement and the bosonic string
15.05 - 15.35	**Hartmut Wittig** (DESY)	Results from simulations employing lattice chiral symmetry
15.40 - 16.25	**Sinya Aoki** (Tsukuba)	Unquenched lattice calculations
16.30 - 17.00	Break	
17.00 - 17.45	**Matthias Steinhauser** (Hamburg)	Electron-positron annihilation into hadrons
17.50 - 18.35	**Thomas Teubner** (CERN)	Non-relativistic effective theory and top quark production

WELCOME BUFFET: Wednesday, 25. Sept. 2002: 19.00 hrs DESY Cafeteria Building 9

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PLENARY SESSION III: Thursday, 26. Sept. 2002, morning, Auditorium, Building 5

08.45 - 09.25	**Brian Foster** (Bristol)	Experimental results on DIS
09.30 - 10.15	**W. James Stirling** (Durham)	Parton distributions
10.20 - 10.50	**Bernd A. Kniehl** (Hamburg)	Heavy quark and quarkonium production in hadron and photon collisions
10.55 - 11.15	Break	
11.15 - 12.00	**Daniel Boer** (Amsterdam)	Challenges of spin physics
12.05 - 12.25	**Elke Aschenauer** (DESY)	New horizons in DIS spin physics
12.30 - 13.00	**Michael Krämer** (Edinburgh)	QCD corrections to Higgs and Susy particle production at the LHC

PARALLEL SESSIONS: Thursday, 26. Sept. 2002, afternoon, Seminar Rooms 2, 4a + 4b

14.30 - 18.50 see separate programme

PLENARY SESSION IV: Friday, 27. Sept. 2002, morning, Auditorium, Building 5

08.45 - 09.05	**Fred Jegerlehner** (DESY)	Hadronic vacuum polarization effects in $\alpha_{\rm em}(M_Z)$ and $(g-2)_\mu$
09.10 - 09.30	**Eduardo de Rafael** (Marseille)	Theoretical status of the muon $(g-2)_\mu$
09.35 - 09.55	**Mikolaj Misiak** (Warsaw)	Status of $b \to s\gamma$ decay
10.00 - 10.45	**Chris T. Sachrajda** (Southampton)	$K \to \pi\pi$ decays
10.50 - 11.20	Break	
11.20 - 12.05	**Gerhard Buchalla** (LMU Munich)	Exclusive heavy quark decays
12.10 - 12.55	**Edwin Laermann** (Bielefeld)	Lattice studies of QCD thermodynamics

PLENARY SESSION V: Friday, 27. Sept. 2002, afternoon, Auditorium, Building 5

14.00 - 14.45	**Miklos Gyulassy** (Columbia)	Probing dense QCD matter in ultra-relativistic A+A experiments
14.50 - 15.35	**Krishna Rajagopal** (MIT)	Colour Superconductivity