DESY Theory Workshop 2002 "Quantumchromodynamics"
Parallel Sessions September 26, 2002

Parallel Session 1
Seminar Room 2, Building 2a

Chairman: Peter Zerwas

14.30 - 14.50
Christian Sturm (Karlsruhe) — QCD next-to-leading order corrections to $W^+\gamma \to t\bar{b}$

14.55 - 15.15
Tilmann Plehn (Madison) — Charged Higgs boson production in bottom-gluon fusion

15.20 - 15.40
Peter Marquard (Freiburg) — Two-loop corrections to light-by-light scattering in supersymmetric QED

15.45 - 16.05
Mrinal Dasgupta (DESY) — Non global observables in QCD

16.10 - 16.30
Nicusor Timneanu (Uppsala) — Can the off-shell gluons explain the b production puzzle?

16.35 - 16.50 BREAK

Chairman: Ahmed Ali

16.50 - 17.10
Alexander Chapovsky (Aachen) — Soft-collinear effective theory and heavy-to-light currents beyond leading power

17.15 - 17.35
Cong-Feng Qiao (Hiroshima) — B-meson wavefunction in heavy quark and Wandzura-Wilczek limits

17.40 - 18.00
Chun Liu (Mainz) — Heavy to light-meson exclusive weak decays from light-cone HQET sum rules

18.05 - 18.25
Jochen Heitger (Münster) — Nonperturbatively renormalized heavy quark effective theory

18.30 - 18.50
Sandor Katz (DESY) — Equation of state of QCD at finite density: lattice result

Parallel Session 2
Seminar Room 4a, Building 1b

Chairman: Fridger Schrempp

14.30 - 14.50	
Johan Alwall (Uppsala)	A model for the non-perturbative x-shape of parton distributions in hadrons
14.55 - 15.15	
Michael Lublinsky (Tel Aviv)	Towards a new global QCD analysis: Low x DIS data from non-linear evolution
15.20 - 15.40	
Sven-Olaf Moch (Karlsruhe)	Fermionic contributions to the non-singlet structure functions at three loops
15.45 - 16.05	
Frank Steffen (Heidelberg)	From static potentials to high-energy scattering
16.10 - 16.30	
Albrecht Kyrieleis (Hamburg)	The photon impact factor at NLO

16.35 - 16.50 BREAK

Chairman: Istvan Montvay

16.50 - 17.10	
Hiroyuki Kawamura (DESY)	Higher order QED corrections to deep inelastic scattering
17.15 - 17.35	
Arif Shoshi (Heidelberg)	Decomposition of the QCD string into dipoles and unintegrated gluon distributions
17.40 - 18.00	
Ines Wetzorke (DESY)	Recent results on pion structure functions on the lattice
18.05 - 18.25	
Lars Fromme (Bielefeld)	Goldstone-effects and correlation lengths of the 3d O(4) model
18.30 - 18.50	
Michael Seniuch (Bielefeld)	Equation of state and scaling function of the correlation length from an improved three-dimensional Ising model
18.55 - 19.15	
Oleg Pavlovsky (Moscow)	Topological solitons of Chiral Born-Infeld theory and an effective model of baryons

Parallel Session 3
Seminar Room 4b, Building 1b

Chairman: Jochen Bartels

14.30 - 14.50	
Igor Anikin (Dubna)	Genuine twist three in electroproduction of vector mesons
14.55 - 15.15	
Rikard Enberg (Uppsala)	Diffractive vector meson photoproduction at large momentum transfer
15.20 - 15.40	
Asmita Mukherjee (Mainz)	Power law wave functions and generalized parton distributions for pion
15.45 - 16.05	
Carsten Vogt (Nordita)	Semi-exclusive photoproduction of vector mesons at large momentum transfer
16.10 - 16.30	
Nils Mahnke (Regensburg)	Nucleon form factors in intermediate momentum transfer
16.35 - 16.50 BREAK	

Chairman: Hartmut Wittig

16.50 - 17.10	
Kornelija Passek-Kumericki (Wuppertal)	The leading-twist contributions of the two-gluon states in the hard processes involving η and η' mesons
17.15 - 17.35	
Volker Schatz (Heidelberg)	The perturbative Odderon in elastic p-p and p-pbar scattering
17.40 - 18.00	
Hem C. Pandey (Konstanz)	Nature of QCD vacuum at zero as well as at non-zero temperature
18.05 - 18.25	
Stanislav Shcheredin (HU Berlin)	Signature of van Baal-type solutions in SU(2) LGT at non-zero temperature
18.30 - 18.50	
Falk Bruckmann (Leiden)	Monopoles inside multi-calorons
18.55 - 19.15	
Shahin Agaev (Baku)	Power suppressed corrections to light meson-photon electromagnetic transition form factors