QCD AND THE DEEP STRUCTURE OF ELEMENTARY PARTICLES

Weimar, September 12–15, 2001

Schedule

Tuesday, September 11:

4.00 p.m.	–	8.00 p.m.	**Registration**	

Wednesday, September 12: Morning Session

7.30 a.m.	–	9.00 a.m.		**Breakfast**
9.00 a.m.	–	9.10 a.m.		Opening
9.10 a.m.	–	9.50 a.m.	**R. Klanner**	Future Challenges from the Experiments at DESY for QCD
9.50 a.m.	–	10.00 a.m.		Discussion
10.00 a.m.	–	10.20 a.m.	**H. Böttcher**	QCD Analysis of Polarized Structure Functions and New Parton Densities
10.20 a.m.	–	10.30 a.m.		Discussion
10.30 a.m.	–	11.00 a.m.		**Coffee Break**
11.00 a.m.	–	11.20 a.m.	**S. Moch**	Calculating the Deep-Inelastic Structure Functions at Three Loops
11.20 a.m.	–	11.30 a.m.		Discussion
11.30 a.m.	–	11.50 a.m.	**W.L. van Neerven**	QCD and Power Corrections to Deep Inelastic Sum Rules
11.50 p.m.	–	12.00 p.m.		Discussion
12.00 a.m.	–	12.20 a.m.	**J. Smith**	Update For Variable Flavor Number Schemes for Deep Inelastic Heavy Flavor Production
12.20 a.m.	–	12.30 a.m.		Discussion
12.30 a.m.	–	12.50 a.m.	**J. Gracey**	Higher Dimensional Operators in QCD
12.50 a.m.	–	1.00 p.m.		Discussion
1.00 p.m.	–	2.30 p.m.		**Lunch Break**

Wednesday, September 12: Afternoon Session

2.30 p.m.	–	2.50 p.m.	**G. Heinrich**	Isolated Prompt Photon Photoproduction at NLO
2.50 p.m.	–	3.00 p.m.		Discussion
3.00 p.m.	–	3.20 p.m.	**T. Gehrmann**	Jet Physics at Two Loops
3.20 p.m.	–	3.30 p.m.		Discussion
3.30 p.m.	–	3.50 p.m.	**M. Steinhauser**	Non-abelian $1/M_{qr}^2$ Heavy Quark Potential in 2-Loop Approximation
3.50 p.m.	–	4.00 p.m.		Discussion
4.00 p.m.	–	4.30 p.m.		**Coffee Break**
4.30 p.m.	–	4.50 p.m.	**P. Landshoff**	Two Pomerons
4.50 p.m.	–	5.00 p.m.		Discussion
5.00 p.m.	–	5.20 p.m.	**B. Anderson/S. Burby**	Revisiting Lund String Fragmentation Implementation of Matrix Elements
5.20 p.m.	–	5.40 a.m.	**L. Loennblad**	The Lund C++ Program
5.40 p.m.	–	5.50 p.m.		Discussion

6.00 p.m. *Excursion to Erfurt*
Visit of the Cathedral and Bell Gloriosa

Thursday, September 13: Morning Session

7.00 a.m.	–	8.30 a.m.		**Breakfast**
8.30 a.m.	–	8.50 a.m.	**V. Del Duca**	Recent Progress in Jet Physics at Large Rapidities
8.50 p.m.	–	9.00 p.m.		Discussion
9.00 a.m.	–	9.20 a.m.	**S. Gieseke**	The Virtual Photon Impact Factor: First Results
9.20 a.m.	–	9.30 a.m.		Discussion
9.30 a.m.	–	9.50 a.m.	**V. Fadin**	Impact Factors of the Virtual Photon
9.50 a.m.	–	10.00 a.m.		Discussion
10.00 a.m.	–	10.20 a.m.	**R. Sghedoni**	Transverse Momentum Distribution in B-Decays
10.20 a.m.	–	10.30 a.m.		Discussion
10.30 a.m.	–	11.00 a.m.		**Coffee Break**
11.00 a.m.	–	11.20 a.m.	**S. Munier**	Do we Probe High Parton Densities at HERA?
11.20 a.m.	–	11.30 a.m.		Discussion
11.30 a.m.	–	11.50 a.m.	**R. Peschanski**	Higgs Boson and Dijet Production
	–			via Double Pomeron Exchange
11.50 a.m.	–	12.00 a.m.		Discussion
12.00 a.m.	–	12.20 a.m.	**A. White**	$\pi - \pi$ Scattering via Pomeron Exchange
12.20 a.m.	–	12.30 a.m.		Discussion
12.30 a.m.	–	12.50 a.m.	**L. Lipatov**	BFKL Pomeron in Supersymmetric Theories
12.50 a.m.	–	1.00 p.m.		Discussion
1.00 p.m.	–	2.30 p.m.		**Lunch Break**

Thursday, September 13: Afternoon Session

2.30 p.m.	–	2.50 p.m.	**G. Grunberg**	Computing the Normalization of the Gluon Condensate and of Renormalon-related Power Corrections in QCD
2.50 p.m.	–	3.00 p.m.		Discussion
3.00 p.m.	–	3.20 p.m.	**E. Laenen**	Threshold Effects in Heavy Quark Production
3.20 p.m.	–	3.30 p.m.		Discussion
3.30 p.m.	–	3.45 p.m.	**Coffee Break**	

4.00 p.m. *Guided Tours to Goethe Haus*

Friday, September 14: Morning Session

7.00 a.m.	–	8.30 a.m.		**Breakfast**
8.30 a.m.	–	8.50 a.m.	**J. Stirling**	MRST2001 - Recent Results and Perspectives
8.50 a.m.	–	9.00 a.m.		Discussion
9.00 a.m.	–	9.20 a.m.	**P. Uwer**	A New Method to Calculate the Altarelli-Parisi Kernels
9.20 a.m.	–	9.30 a.m.		Discussion
9.30 a.m.	–	9.50 a.m.	**Z. Bern**	Two-Loop Supersymmetry Relations and QCD
9.50 a.m.	–	10.00 a.m.		Discussion
10.00 a.m.	–	10.20 a.m.	**N. Glover**	Progress in NNLO QCD scattering processes
10.20 a.m.	–	10.30 a.m.		Discussion
10.30 a.m.	–	11.00 a.m.		**Coffee Break**
11.00 a.m.	–	11.20 a.m.	**D. Soper**	Using Numerical Integration to Improve NLO Calculations in QCD
11.20 a.m.	–	11.30 a.m.		Discussion
11.30 a.m.	–	11.50 a.m.	**M. Grazzini**	Higher Order QCD Calculations and Higgs Production at Hadron Colliders
11.50 a.m.	–	12.00 a.m.		Discussion
12.00 a.m.	–	12.20 a.m.	**S. Weinzierl**	Nested Sums and Multi-Scale Multi-Loop Integrals
12.20 a.m.	–	12.30 a.m.		Discussion
12.30 a.m.	–	12.50 p.m.	**L. Dixon**	Two-loop QCD scattering amplitudes
12.50 a.m.	–	1.00 p.m.		Discussion
1.00 p.m.	–	2.30 p.m.		**Lunch Break**

Friday, September 14: Afternoon Session

2.30 p.m.	–	2.50 p.m.	**B. Webber**	Recent Developments in Multijet Event Generation
2.50 p.m.	–	3.00 p.m.		Discussion
3.00 p.m.	–	3.20 p.m.	**D. Colferai**	Mueller-Navelet Jets in NLO
3.20 p.m.	–	3.30 p.m.		Discussion
3.30 p.m.	–	3.50 p.m.	**M. Klasen**	J/ψ Production in $\gamma\gamma$ Collisions
3.50 p.m.	–	4.00 p.m.		Discussion
4.00 p.m.	–	4.30 p.m.		**Coffee Break**
4.30 p.m.	–	4.50 a.m.	**T. Binoth**	Next-to-leading order predictions for $\pi^0-\gamma$ and $\pi^0-\pi^0$ Production at LHC
4.50 p.m.	–	5.00 p.m.		Discussion
5.00 p.m.	–	5.20 p.m.	**M. Seymour**	QCD studies at Manchester
5.20 p.m.	–	5.30 p.m.		Discussion
5.30 p.m.	–	5.50 p.m.	**R. Kirschner**	DGLAP distributions and conformal symmetry
5.50 p.m.	–	6.00 p.m.		Discussion

7.00 p.m. *Reception at Hotel Elephant*

7.30 p.m. *Conference Dinner*

Saturday, September 15: Morning Session

7.00 a.m.	–	8.30 a.m.		**Breakfast**
8.30 a.m.	–	8.50 a.m.	**G. Altarelli**	Singlet Structure Functions at Small x and HERA Data
8.50 a.m.	–	9.00 a.m.		Discussion
9.00 a.m.	–	9.20 a.m.	**R. Thorne**	Fits of Structure Functions at Small x
9.20 a.m.	–	9.30 a.m.		Discussion
9.30 a.m.	–	9.50 a.m.	**J. Kwiecinski**	$\gamma\gamma$ and $\gamma^*\gamma^*$ total cross sections at high energies
9.50 a.m.	–	10.00 a.m.		Discussion
10.00 a.m.	–	10.20 a.m.	**K. Golec-Biernat**	Saturation in DIS at Small x
10.20 a.m.	–	10.30 a.m.		Discussion
10.30 a.m.	–	11.00 a.m.		**Coffee Break**
11.00 a.m.	–	11.20 a.m.	**E. Gardi**	Sudakov Exponentiation and Infrared Renormalons
11.20 a.m.	–	11.30 a.m.		Discussion
11.30 a.m.	–	11.50 a.m.	**M. Karliner**	$e^+e^- \to$ Baryons: a Fresh Challenge for Understanding Annihilation in QCD
11.50 a.m.	–	12.00 a.m.		Discussion
12.00 a.m.	–	12.20 a.m.	**G. Marchesini**	Jet Shape Distributions in Hadron-Hadron and Electron-Hadron Collisions
12.20 a.m.	–	12.30 a.m.		Discussion
1.00 p.m.				**Lunch**
2.00 p.m.				**Departure**