Continuous Advances in QCD 2002 / Arkady Fest

Talk Schedule

Symposium -- May 17-18

All talks of the symposium were review and summary talks and included a historical component/perspective.

Workshop -- May 20-23

The morning session talks of the workshop were review and summary talks.

Friday, May 17 - Room 3-180 Electrical Engineering/Computer Science Building

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8:15-8:55	Registration
8:55-9:00	Keith Olive, University of Minnesota Welcome and Opening Remarks
9:00-9:55	Gerald Dunne, University of Connecticut Perturbative/Nonperturbative connection in Quantum Mechanics and field theory
10:00-10:30	Coffee Break
10:30-11:25	Johan Bijnens, Lund University Penguins 2002
11:30-12:25	Heiri Leutwyler, University of Bern Electromagnetic Form Factor of the Pion
12:30-14:30	Lunch
14:30-15:25	Mary Kay Gaillard, University of California, Berkley & LBNL Probing New Physics: from Charm to Superstrings
15:30-16:00	Coffee Break

16:00-16:55 Mark Srednicki, University of California, Santa Barbara
Axions: Past, Present, and Future

17:00-17:55 Bruno Zumino, LBL
Seiberg-Witten map for Noncommutative Gauge Theories

Saturday, May 18 - Room 3-180 Electrical Engineering/Computer Science Building

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9:00-9:55 Dmitry Kazakov, JINR/ITEP
Renormalization Properties of softly Broken SUSY Gauge Theories

10:00-10:30 Coffee Break

10:30-11:25 Igor Klebanov,Princeton University
Supergravity Duals of N=1 Supersymmetric Gauge Theories

11:30-12:25 Matt Strassler, University of Pennsylvania
Arkadia: Beyond All Perturbations

12:30-14:30 Lunch

14:30-15:25 Adam Ritz, Cambridge University
(Dis)assembling composite supersymmetric solitons

15:30-16:00 Coffee Break

16:00-16:55 Georgi Dvali, New York University
Vacuum Energy and Infinite volume Extra Dimension

17:00-17:55 Frank Wilczek, Massachusetts Institute of Technology
QCD at High Density

Monday, May 20 - Room 3-180 Electrical Engineering/Computer Science Building

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9:00-9:55	Robert Jaffee, Massachusetts Institute of Technology Casimir Effects: From Grounded Plates to the Standard Model
10:00-10:30	Coffee Break
10:30-11:25	Antti Niemi, Uppsala University Aspects of String Variables and Yang-Mills Theory
11:30-12:25	Edward Shuryak, SUNY, Stony Brook Multiple uses of the QCD instantons
12:30-14:30	Lunch
14:30-15:00	Victor Chernyak, Novosibirsk On phase transitions in SUSY theories
15:05-15:35	John Hiller, University of Minnesota, Duluth Nonperturbative solution of supersymmetric gauge theories
15:40-16:10	Coffee Break
16:15-16:45	Dmitri Antonov, INFN Finite temperature behavior of the (2+1)D Georgi-Glashow model with and without quarks
16:50-17:20	Andrei Smilga, University of Nantes Ultraviolet chop-off and supersymmetric beta function
17:25-17:55	Konstantin Zarembo, Uppsala University Testing AdS/CFT correspondence with Wilson loops

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Tuesday, May 21 - Room 3-180 Electrical Engineering/Computer Science Building

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9:00-9:55	Alexander Khodjamirian, University of Karlsruhe QCD Sum Rules: A Working Tool for hadronic Physics

10:00-10:30 Coffee Break

10:30-11:25 Nikolai Uraltsev, Milan
Nonperturbative QCD in Heavy Quarks Decays

11:30-12:25 Martin Beneke, RWTH Aachen
Renormalons

12:30-14:30 Lunch

14:30-15:00 Ian Balitsky, ODU/JLab
Renormalons as dilatation modes in the functional space

15:05-15:35 Eric Braaten, Ohio State University
Perturbative QCD expansion of the leading partice effect in the hadroproduction of heavy mesons

15:40-16:10 Coffee Break

16:15-16:45 Harry Lipkin, Weismann Institute of Science
Experimental Challenges for QCD - The past and the future

16:50-17:20 Ulrich Nierste, Fermilab
Lifetimes of heavy hadrons beyond leading logarithms

17:25-17:55 Alexey Petrov, Wayne State University
Flavor, SU(3) and mixing in charmed mesons

Wednesday, May 22 - Room 3-180 Electrical Engineering/Computer Science Building

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9:00-9:55 Ken Konishi, University of Pisa
Monopoles, Vortices and confinement in Supersymmetric Theories

10:00-10:30 Coffee Break

10:30-11:25 Alexei Yung, Petersburg Nuclear Physics Institute
Non-Abelian confinement via Abelian flux tubes in softly broken N=2 QCD

11:30-12:25 Zvi Bern, University of California, Los Angeles
Quantum Chromodynamics and the Future discovery of the Higgs Particle

12:30-14:30 Lunch

14:30-15:00 Matthias Burkardt, New Mexico State University
Geometric Interpretation of Generalized Parton Distributions

15:05-15:35 Einan Gardi, CERN
Resummation & power corrections in DIS structure functions at large Bjorken x

15:40-16:10 Coffee Break

16:15-16:45 Grigorii Pivovarov, Iowa State University
The status of the light-front quantization in gluodynamics

16:50-17:20 Eric Zhitnitsky, University of British Columbia
Strings and Domain Walls in Dense QCD

17:25-17:55 Glennys Farrar, New York University
A stable strange di-baryon accounts for Dark matter, without new physics

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Thursday, May 23 - Room 3-180 Electrical Engineering/Computer Science Building

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9:00-9:55 Greg Gabadadze, University of Minnesota
Axions and QCD vacuum 2002

10:00-10:30 Coffee Break

10:30-11:25 Ian Kogan, Oxford University/IHES/Orsay
Understanding Confinement in 1+2 Dimensions

11:30-12:25 Jac Verbaarschot, SUNY, Stony Brook
Dirac Spectrum in QCD/Real QCD

12:30-14:30 Lunch

14:30-15:00 Alexander Kovner, University of Plymouth
Perturbative saturation and the soft Pomeron

15:05-15:35 Elena Goubankova, Massachusetts Institute of Technology
Superconductivity from magnetic interaction induced by flow equations

15:40-16:10 Coffee Break

16:10-16:40 Ralf Hofmann, Max Planck Insitute fuer Physik
Non-perturbative Non-locality

16:45-16:55 Vladimir Miransky, University of Western Ontario
Spontaneous Symmetry Breaking with Abnormal Number of Nambu-Goldstone Bosons and Kaon Condensation

17:00-17:55 Igor Shovkovy, University of Minnesota
Color Superconductivity in Dense Quark matter

18:00-18:10 Mikhail Shifman, University of Minnesota
Concluding Story

Registered Participants

D. Antonov, S. Arunagiri, I. Balitsky, M. Beneke, Z. Bern, J. Bijnens, A. Bondar, E. Braaten, M. Burkardt, V. Chernyak, D. Demir, G. Dunne, G. Dvali, P. Ellis, L. Everett, G. Farrar, G. Gabadadze, M. Gaillard, E. Gardi, T. Gherghetta, S. Gasiorowicz, E. Goubankova, J. Hiller, R. Hofmann, R. Jaffe, J. Kapusta, D. Kazakov, I. Kebanov, Y. Keum, W. Keung, A. Khodjamirian, I. Klebanov, I. Kogan, K. Konishi, A. Kovner, H. Leutwyler, H. Lipkin, A. Losev, A. Marshakov, F. Moura, V. Miransky, A. Niemi, U. Nierste, V. Novikov, J. Nyiri, A. Petrov, M. Polikarpov, G. Pivovarov A. Ritz, S. Rudaz, Y. Santoso F. Schaposnik, I. Shovkovy, E. Shuryak, A. Smilga, M. Srednicki, M. Strassler, T. ter Veldhuis, A. Tseytlin, N. Uraltsev, J. Verbaarschot, F. Vian, A. White, F. Wilczek, A. Yung, K. Zarembo, V. Zelevinsky, E. Zhitnitsky, M. Zolotarev, B. Zumino