

Creutz Fest 2014

Report of Contributions

Contribution ID: 1

Type: **not specified**

Opening Remarks

Thursday, 4 September 2014 08:30 (10 minutes)

Presenter: Dr MUELLER, Berndt (Brookhaven National Laboratory)

Session Classification: Welcome

Contribution ID: 2

Type: **not specified**

TBA

Thursday, 4 September 2014 08:40 (10 minutes)

Presenter: Dr TRUEMAN, Larry (Brookhaven National Laboratory)

Session Classification: Welcome

Contribution ID: 3

Type: **not specified**

Best Wishes to Mike

Thursday, 4 September 2014 08:50 (10 minutes)

Presenter: Dr PAIGE, Frank (Brookhaven National Laboratory)

Session Classification: Welcome

Contribution ID: 4

Type: **not specified**

What I Learned From Mike

Thursday, 4 September 2014 09:25 (25 minutes)

Presenter: Dr MACKENZIE, Paul (Fermi National Accelerator Laboratory)

Session Classification: Plenary I

Contribution ID: 5

Type: **not specified**

The Metamorphoses of the Quark

Thursday, 4 September 2014 09:50 (25 minutes)

Presenter: Prof. MANDULA, Jeff (University of Washington)

Session Classification: Plenary I

Contribution ID: 6

Type: **not specified**

With Mike at SLAC and Other Observations

Thursday, 4 September 2014 09:00 (25 minutes)

Presenter: Dr JAFFE, Robert (Massachusetts Institute of Technology)

Session Classification: Plenary I

Contribution ID: 7

Type: **not specified**

Freedom and Confinement; a Case for Eternal Love

Thursday, 4 September 2014 10:15 (25 minutes)

Presenter: Prof. WEISZ, Peter (Max Planck Institute)

Session Classification: Plenary I

Contribution ID: 8

Type: **not specified**

Continuum Limit, Phase Structure and Lattice Scales for QCD and Beyond

Presenter: Prof. HASENFRATZ, Anna (University of Colorado Boulder)

Contribution ID: 9

Type: **not specified**

From Quarks, Gluons and Lattices to Hadrons

Thursday, 4 September 2014 11:30 (25 minutes)

Presenter: Dr EDWARDS, Robert (Thomas Jefferson National Accelerator Facility)

Session Classification: Plenary II

Contribution ID: **10**

Type: **not specified**

2-Flavor QCD with Non-degenerate Quark Masses

Thursday, 4 September 2014 11:55 (25 minutes)

Presenter: Prof. AOKI, Sinya (Yukawa Institute for Theoretical Physics, Kyoto University)

Session Classification: Plenary II

Contribution ID: 11

Type: **not specified**

Additive Shift in the Fermion Mass Generated by the Axial Anomaly in One-flavor QCD

Thursday, 4 September 2014 12:20 (20 minutes)

Presenter: Prof. CHRIST, Norman (Columbia University)

Session Classification: Plenary II

Contribution ID: 12

Type: **not specified**

Welcome

Thursday, 4 September 2014 14:00 (10 minutes)

Presenter: Dr GIBBS, Doon (Brookhaven National Laboratory)

Session Classification: Plenary III

Contribution ID: 13

Type: **not specified**

From Group Integrals to Extreme QCD

Thursday, 4 September 2014 14:10 (25 minutes)

Presenter: Prof. OGILVIE, Michael (Washington University)

Session Classification: Plenary III

Contribution ID: 14

Type: **not specified**

Developing the Complex Langevin Approach for QCD

Thursday, 4 September 2014 14:35 (25 minutes)

Presenter: Dr STAMATESCU, Ion-Olimpiu (Inst. Theor. Physik, Univ. Heidelberg)

Session Classification: Plenary III

Contribution ID: 15

Type: **not specified**

Conserved Charge Fluctuations and the Phase Diagram of Strong Interaction Matter

Thursday, 4 September 2014 15:00 (20 minutes)

Presenter: Dr KARSCH, Frithjof (Brookhaven National Laboratory)

Session Classification: Plenary III

Contribution ID: 16

Type: **not specified**

CP Violation and Chiral Symmetry

Thursday, 4 September 2014 15:45 (25 minutes)

Presenter: Dr BHATTACHARYA, Tanmoy (Los Alamos National Laboratory)

Session Classification: Plenary IV

Contribution ID: 17

Type: **not specified**

Applying Chiral Perturbation Theory to Lattice QCD: Successes and Challenges

Thursday, 4 September 2014 16:10 (25 minutes)

Presenter: Prof. SHARPE, Stephen (University of Washington)

Session Classification: Plenary IV

Contribution ID: **18**

Type: **not specified**

The Neutron-proton Mass Difference

Thursday, 4 September 2014 16:35 (25 minutes)

Presenter: Prof. FODOR, Zoltan (University of Wuppertal)

Session Classification: Plenary IV

Contribution ID: 19

Type: **not specified**

Two Dimensional QCD at Finite Temperature and Chemical Potential

Thursday, 4 September 2014 17:00 (25 minutes)

Presenter: Prof. NARAYANAN, Rajamani (Florida International University)

Session Classification: Plenary IV

Contribution ID: 20

Type: **not specified**

Lattice evidence for strings in the deconfined phase of a pure gauge theory

Friday, 5 September 2014 08:30 (10 minutes)

Presenter: Dr PISARSKI, Robert (RIKEN/BNL Research Center)

Session Classification: Plenary I

Contribution ID: 21

Type: **not specified**

Formalism vs Phenomenology

Friday, 5 September 2014 08:40 (10 minutes)

Presenter: Dr MARCIANO, William (Brookhaven National Laboratory)

Session Classification: Plenary I

Contribution ID: 22

Type: **not specified**

Old Lattice Guy and Youngsters at BNL

Friday, 5 September 2014 08:50 (25 minutes)

Presenter: Dr MISUMI, Tatsuhiro (Keio National University)

Session Classification: Plenary I

Contribution ID: 23

Type: **not specified**

Lattic Gauge Theory Studies of Electroweak Symmetry Breaking

Friday, 5 September 2014 09:15 (25 minutes)

Presenter: Prof. REBBI, Claudio (Boston University)

Session Classification: Plenary I

Contribution ID: 24

Type: **not specified**

From Mike to the Higgs Impostor and the Dilaton

Friday, 5 September 2014 09:40 (25 minutes)

Presenter: Prof. KUTI, Julius (U.C. San Diego)

Session Classification: Plenary I

Contribution ID: 25

Type: **not specified**

Wilson Fermions in the Epsilon Regime

Friday, 5 September 2014 10:05 (20 minutes)

Presenter: Dr HELLER, Urs (American Physical Society)

Session Classification: Plenary I

Contribution ID: 26

Type: **not specified**

Family Resemblances Among QCD's Close Relatives

Friday, 5 September 2014 11:00 (25 minutes)

Presenter: Prof. DEGRAND, Thomas (University of Colorado Boulder)

Session Classification: Plenary II

Contribution ID: 27

Type: **not specified**

Some Recent Work on Renormalization-group Properties of Non-abelian and Abelian Gauge Theories and Connections with Mike Creutz's Contributions

Friday, 5 September 2014 11:25 (25 minutes)

Presenter: Prof. SHROCK, Robert (Stony Brook University)

Session Classification: Plenary II

Contribution ID: 28

Type: **not specified**

On Primordial Black Holes as Dark Matter

Friday, 5 September 2014 11:50 (25 minutes)

Presenter: Prof. TYTGAT, Michel (Université Libre de Bruxelles)

Session Classification: Plenary II

Contribution ID: 29

Type: **not specified**

Creutz Ratio in the Continuum Limit

Friday, 5 September 2014 13:30 (25 minutes)

Presenter: Prof. OKAWA, Masanori (Hiroshima University)

Session Classification: Plenary III

Contribution ID: 30

Type: **not specified**

Different Kind of Correlations

Friday, 5 September 2014 13:55 (25 minutes)

Presenter: Prof. HORVATH, Ivan (University of Kentucky)

Session Classification: Plenary III

Contribution ID: **31**

Type: **not specified**

TBA

Presenter: TBA

Contribution ID: 32

Type: **not specified**

Composite Dark Matter

Friday, 5 September 2014 14:20 (25 minutes)

Presenter: Prof. FLEMING, George (Yale University)

Session Classification: Plenary III

Contribution ID: 33

Type: **not specified**

Lattice Field Theory on a Spherical Manifold

Friday, 5 September 2014 14:45 (25 minutes)

Presenter: Prof. BROWER, Richard (Boston University)

Session Classification: Plenary III

Contribution ID: 34

Type: **not specified**

(g-2) of the Muon

Friday, 5 September 2014 15:10 (20 minutes)

Presenter: Prof. BLUM, Thomas (University of Connecticut)

Session Classification: Plenary III

Contribution ID: 35

Type: **not specified**

TBA

Friday, 5 September 2014 15:30 (10 minutes)

Presenter: Dr SAMIOS, Nick (Brookhaven National Laboratory)

Session Classification: Plenary III

Contribution ID: **36**

Type: **not specified**

TBA

Friday, 5 September 2014 15:40 (10 minutes)

Presenter: Dr CREUTZ, Michael (Brookhaven National Laboratory)

Session Classification: Plenary III

Contribution ID: 37

Type: **not specified**

Continuum Limit, Phase Structure and Lattice Scales for QCD and Beyond

Thursday, 4 September 2014 11:05 (25 minutes)

Presenter: Prof. HASENFRATZ, Anna (University of Colorado Boulder)

Session Classification: Plenary II