

PROGRAM OF PARALLEL SESSIONS
DESY Theory Workshop, September 21 – 24, 2010
“Quantum Field Theory: Developments and Perspectives”
Thursday, September 23, 2010

Session 1A: String Theory

Bldg. 1b Room: Sem. 4a – Chair: Louis

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|-------------|---|
| 14:30–14:50 | I.1 Anomaly Mediation from String Theory
<i>M. Goodsell</i> |
| 14:50–15:10 | I.2 Smearing Versus Localising Sources in Flux Compactifications
<i>D. Junghans</i> |
| 15:10–15:30 | I.3 Vanishing Chiral Algebras
<i>J. Yagi</i> |
| 15:30–15:50 | I.4 Mathieu Moonshine and the Elliptic Genus of K3
<i>R. Volpato</i> |
| 15:50–16:10 | I.5 N-soliton Solutions in Field and String Theory
<i>C. Kalousios</i> |
| 16:10–16:40 | COFFEE BREAK |

Session 1B: Mathematical Physics

Bldg. 1b Room: Sem. 4a – Chair: Teschner

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| 16:40–17:00 | I.6 Complex Matrix Model Duality
<i>T. Brown</i> |
| 17:00–17:20 | I.7 Affine $sl(N)$ Conformal Blocks from $N = 2SU(N)$ Gauge Theories
<i>F. Passerini</i> |
| 17:20–17:40 | I.8 Non-supersymmetric Extremal RN-AdS Black Holes in $N = 2$ Gauged Supergravity
<i>T. Kimura</i> |
| 17:40–18:00 | I.9 Asymptotic Symmetries of 3D Higher-spin Gauge Theories and W-algebras
<i>A. Campoleoni</i> |
| 18:00 | ADJOURN |

Session 2A: AdS/CFT-application Bldg. 2a Room: Sem. 2 –
Chair: Dorn

- 14:30–14:50 **II.1 Chiral Symmetry Breaking in an Expanding Plasma**
I. Kirsch
- 14:50–15:10 **II.2 Gravitational Shcock Wave Collision and Matter Equilibration in Heavy Ion Collisions**
S. Lin
- 15:10–15:30 **II.3 Universal Properties of Screening in Strongly Coupled Plasmas**
K. Schade
- 15:30–15:50 **II.4 Holographic p-wave Superfluids**
P. Kerner
- 15:50–16:10 **II.5 $N = 2$ Flavoured SYM Theory on S^3 in an External Magnetic Field**
V. Filev
- 16:10–16:40 **COFFEE BREAK**

Session 2B: Astroparticle Physics
Bldg. 2A Room: Sem. 2 – Chair: Covi

- 16:40–17:00 **II.6 Matter and Dark Matter from False Vacuum Decay**
K. Schmitz
- 17:00–17:20 **II.7 Strong CP Problem Reconciles Thermal Leptogenesis with Gravitino Dark Matter**
J. Hasenkamp
- 17:20–17:40 **II.8 Status of sub-GeV Hidden Particle Searches**
S. Andreas
- 17:40–18:00 **II.9 Quantum Effects on Hybrid Type Inflationary Models**
N. Kevlishvili
- 18:00 **ADJOURN**

Session 3A: QCD
Bldg. 1b Room: Sem. 4b – Chair: Moch

- 14:30–14:50 **III.1 Analytic Computation of t T Production at Hadron Colliders**
R. Sattler
- 14:50–15:10 **III.2 Effective Theory Methods for Heavy Coloured (s)particles at Hadron Colliders**
C. Schwinn
- 15:10–15:30 **III.3 Ladder Topologies for Massive 3-Loop Operator Matrix Elements**
A. Hasselhuhn
- 15:30–15:50 **III.4 The $O(\alpha_s^3)$ Massive Operator Matrix Elements of $O(n_f)$ for the Structure Function $F_2(x, Q^2)$**
F. Wißbrock
- 15:50–16:10 **III.5 Thrust Distribution at N^3LL with Power Corrections and Precision Determination of α_s**
V. Mateu
- 16:10–16:40 **COFFEE BREAK**
- 16:40 **ADJOURN**