

EMMI Workshop on

String Theory Approach to QCD-Thermodynamics and Kinetics

March 15-19, 2010, Internationales Wissenschaftsforum Heidelberg (IWH)

Program

Monday, March 15

- 9:00 E. Kiritsis
AdS / CFT
AdS / QCD
- 10:30-11:00 C o f f e e
- 11:00-13:00 K. Kajantie
Finite temperature QCD
- 13:00-14:00 L u n c h
- 14:15 45 min discussion of talks
- 15:00-15:30 C o f f e e
- 15:30 M. Panero
Strings and numeric strings
- 16:30 E. Megias
Heavy qq free energy in AdS / QCD

Tuesday, March 16

- 9:00 E. Kiritsis
 $T \neq 0$
Gravity AdS₅ with dilaton
- 10:30-11:00 C o f f e e
- 11:00-13:00 J. Erdmenger
Quarks and flavour degrees of freedom in AdS / CFT from string theory I
- 13:00-14:00 L u n c h
- 14:15 45 min discussion of talks
- 15:00-15:30 C o f f e e
- 15:30 D. Nickel
Synchrotron radiation in strongly coupled conformal field theories
- 16:30 K. Schade
Meson and baryon screening in hot moving plasmas

Wednesday, March 17

- 9:00 K. Kajantie
AdS / QCD at $T \neq 0$

10:30-11:00 C o f f e e
11:00-13:00 E. Shuryak
Equilibration and black hole formation in AdS / CFT
13:00-14:00 L u n c h
14:15 45 min discussion of talks
F r e e a f t e r n o o n

Thursday, March 18

9:00 J. Erdmenger
Quarks and flavour degrees of freedom in AdS/CFT from string theory II
10:30-11:00 C o f f e e
11:00-13:00 J. Zaanen
Holography and the mystery of the quantum critical metals of condensed matter physics
13:00-14:00 L u n c h
14:15 45 min discussion of talks
15:00-15:30 C o f f e e
15:30 A. O'Bannon
Holographic flavor transport
16:30 J. Alanen
 $T \neq 0$ of fixed point theory

Friday, March 19

9:00 H. Forkel
Hadrons as holograms
10:30-11:00 C o f f e e
11:00 P. Kerner
Holographic p-wave superfluids
12:00 M. Thies
Old and new lessons from the Gross-Neveu model
13:00-14:00 L u n c h
14:15 45 min discussion of talks
15:00-15:30 C o f f e e
15:30 D. Antonov
Soft contributions to η and ζ
16:15 H.J. Pirner
Summary