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**High Energy Physics - Theory** 

prospects

(Submitted on 16 Jun 2011)

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Comments: 8 pages. Plenary talk at "Quark Matter 2011", Annecy, France Subjects: High Energy Physics - Theory (hep-th); High Energy Physics - Phenomenology (hep-ph); Nuclear Theory (nucl-th) Cite as: arXiv:1106.3295 [hep-th] (or arXiv:1106.3295v1 [hep-th] for this version)

Over the last decade a fruitful interplay has developed between analyses of strongly coupled non-

created in heavy ion collisions. I review the reasons why the gauge/string duality is not a precision

tool for QCD physics at present, with emphasis on conceptual issues. I then argue that, nevertheless,

the duality can provide valuable insights at both the quantitive and the qualitative level. I illustrate this

abelian plasmas via the gauge/string duality and the phenomenology of the quark-gluon plasma

Gauge/string duality applied to heavy ion

collisions: Limitations, insights and

with a few examples, and conclude with a brief discussion of future prospects.

## Submission history

From: David Mateos [view email] [v1] Thu, 16 Jun 2011 18:19:16 GMT (858kb,D)

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