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String Theory in Greater Paris

Rencontres Théoriciennes

"Supergravité, théorie des cordes et théorie M"

Jeudi 14 Décembre 2017, 11:45

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Far-from-equilibrium fluid dynamics of N=4 SYM plasma

Motivated by the physics of quark-gluon plasma, calculations of time-dependent processes based on the AdS/CFT correspondence have lead to the notion that relativistic hydrodynamics may be useful for a much wider set of states than usually assumed. This is based on the observation of universal, attractor-like behaviour quite far from local equilibrium. I will describe recent attempts to understand such behaviour in the case of N=4 supersymmetric Yang-Mills plasma.

Institut Henri Poincaré, salle 314, 3ème étage

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