Institut Henri Poincaré

11 rue Pierre et Marie Curie, 75231 Paris cedex 05

String Theory in Greater Paris

Rencontres Théoriciennes

“Supergravité, théorie des cordes et théorie M”

Jeudi 25 Janvier 2018, 10:00

Amos Yarom

Technion

The large D limit of holographic turbulence

I will discuss a recent attempt at gaining a handle over turbulent behaviour of fluids by appealing to the gauge gravity duality in the limit where the number of dimensions becomes very large. We will see that in this limit the gauge gravity duality simplifies and that the dynamics of the system are encoded in the large d limit of the hydrodynamic equations of motion.

Institut Henri Poincaré, salle 314, 3ème étage