Institut Henri Poincaré

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String Theory in Greater Paris

Rencontres Théoriciennes

“Supergravité, théorie des cordes et théorie M”

Jeudi 15 Juin 2017, 11:45

Carlos Hoyos

University of Oviedo

Holographic models and neutron stars

Matter at the core of massive neutron stars can reach densities that are beyond the regime of validity of first principles approaches to QCD. As matter at those densities is expected to be strongly coupled, the gauge/gravity duality may be an useful tool to determine its thermodynamic and transport properties. We explore the feasibility of using holographic models to describe dense matter stiff enough to support a star against gravitational collapse.

Institut Henri Poincaré, salle 314, 3ème étage