NIKY KAMRAN, McGill University

Lorentzian Einstein metrics with prescribed conformal infinity

I will present joint work with Alberto Enciso (ICMAT, Madrid) in which we show that given a sufficiently small perturbation g of the conformal metric on the timelike boundary of the $(n+1)$-dimensional anti-de Sitter space at timelike infinity, there exists a Lorentzian Einstein metric on $(-T,T)\times B_n$ whose conformal boundary geometry is given by g.