



Theory Seminar

“Partially Massless Gravity”

On de Sitter space, there exists a special value for the mass of a graviton for which the linear theory propagates 4 rather than 5 degrees of freedom. If a fully non-linear version of the theory exists and can be coupled to known matter, it would have very interesting properties and could solve the cosmological constant problem. I will describe evidence for and obstructions to the existence of such a theory.



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