



Department of
Theoretical Physics

THE QUANTUM SPACETIME SEMINAR SERIES

**The Tadpole Problem
(Zoom Seminar)**

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Date: November 14, 2022

Time: 1.30 PM IST

Zoom link shall be shared separately



The fluxes that stabilize the complex-structure moduli of string compactifications give rise to a nontrivial D3 charge, which needs to be canceled by other objects in the compactification. I will present arguments that this is impossible when the number of complex-structure moduli is large. This indicates that all String-Theory compactifications on manifolds with a large number of complex-structure moduli have massless scalars and hence are not suited for phenomenology.