



Contribution ID: 389

Type: **Parallel contribution**

Minimal Holography: Higher spin gravity from 2d CFTs

Wednesday, August 10, 2011 2:50 PM (20 minutes)

It was recently conjectured that higher spin gravity in three dimensions is holographically dual to a simple, exactly solvable conformal field theory called the W_N minimal model. This raises the possibility of tackling some difficult questions in holography or quantum gravity by performing exact computations at all values of the coupling. I will describe the motivation for studying simplified models of holography based on higher spin gravity, and prove that in this particular duality the spectrum matches exactly at large N .

Primary authors: Dr GABERDIEL, Matthias R. (ETH Zurich); Dr GOPAKUMAR, Rajesh (Harish-Chandra Research Institute); Dr RAJU, Suvrat (Harish-Chandra Research Institute); Dr HARTMAN, Thomas (Institute for Advanced Study)

Presenter: Dr HARTMAN, Thomas (Institute for Advanced Study)

Session Classification: Field and String Theory

Track Classification: Field and String Theory