Speaker: Alexander Belin (Amsterdam)

Title: Permutation orbifolds: exploring the landscape of theories of quantum gravity in AdS_3

Abstract: I will describe a subset of the landscape of 2d CFTs which have a large central charge. These theories are constructed from the tensor product of N non-interacting copies of a given CFT by orbifolding by a subgroup of the symmetric group. I will discuss which of these theories have a well defined large N limit and thus a semi-classical gravity dual. I will then describe features of these theories including universal properties of their spectrum and correlation functions. Finally, I will discuss possible extensions to higher dimensions.