



## **ICTS Seminar**

Title : Near horizon dynamics of three dimensional black holes

Speaker : Daniel Grumiller, Institute of Theoretical Physics, TU Wien,  
Austria

Date : Tuesday, August 6, 2019

Time : 4:00 PM

Venue : Emmy Noether Seminar Room, ICTS Campus, Bangalore

Abstract : The Hamiltonian reduction of three dimensional Einstein gravity with negative cosmological constant under constraints imposed by near horizon boundary conditions yields a Floreanini-Jackiw type scalar field theory on the horizon. I discuss a derivation of this result and consequences, particularly for soft hair excitations on the horizon.