Contribution ID: **41** Type: **Talk/Seminar**

Anti-evaporation of Schwarzschild–de Sitter lack hole revisited

It is widely believed that in the presence of positive cosmological constant, heavy black holes can exhibit behaviour different than the standard Hawking radiation, namely there is a possibility of anti-evaporation of such objects. We point out that all those results (obtained in different frameworks) rely heavily upon the identification of the Naiari spacetime with the Schwarzschild–de Sitter (Kottler) spacetime. We argue that it is incorrect assumption and, as a result, also heavy black holes radiate thermally. We also discuss possible meaning of this results for the primordial black holes' lifetime.

Author: Mr KOLANOWSKI, Maciej (University of Warsaw, Faculty of Physics)

Presenter: Mr KOLANOWSKI, Maciej (University of Warsaw, Faculty of Physics)