Gravitational Dynamics of Near-Nariai Black Holes

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Black holes in De Sitter space are usually not in thermal equilibrium with the De Sitter Horizon. However when we increase the mass of the Black Hole, its temperature can decrease and eventually goes back to thermal equilibrium. Such massive Black Holes are called Nariai Black Holes. They will live outside of our universe but will affect our universe through gravitational back reactions.
We will discuss the effects of those Nariai Black Holes in early universe and talk about the low energy limit of the gravitational dynamics of Near-Nariai Black Holes.

Reference:

[1] KITP Talk http://online.kitp.ucsb.edu/online/chord18/turiaci/