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A black hole as big as the universe?

Friday 6 November 2020 09:30 (20 minutes)

In this talk, I will discuss black hole solutions that evade the famous “No hair”
theorem and carry - next to mass and charge - additional features on their
horizon in the form of scalar fields. Interestingly, when considering the strong gravity regime, these black holes look as if they were inflating. This leaves the possible
interpretation of a black hole having formed in the early universe that has expanded
to large sizes during the inflationary epoch.

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