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Weak gravity conjecture and black hole puzzles

Tuesday 20 June 2017 17:00 (15 minutes)

The Weak Gravity Conjecture (WGC) has recently received much attention for its potential applications to models of large field inflation. Unfortunately, generic motivations behind the WGC remain somewhat weak. In this talk, I will discuss suggestive arguments hinting at the WGC in two different contexts: extremal black holes in Einstein-Maxwell theories, and ‘axionic black holes’ in theories with a massless two-form field.

Presentation type

Parallel talk

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