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## Gravitational instantons, strong CP problem and its companion axion solution

*Tuesday 18 July 2023 16:00 (20 minutes)*

I will argue that coloured gravitational instantons compromise the standard axion solution to the strong CP problem and propose a companion axion model as the solution, that necessarily contains two axions. I will discuss some phenomenological and cosmological consequences of this model.

Based on - 2108.05549, 2109.12920, 2110.11014

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