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## The predictive power of asymptotic safety for an ALP model

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An asymptotically-safe theory of quantum gravity could render a non-perturbative renormalization of general relativity, restoring its predictive power at higher energies. The asymptotic-safety community has been finding indications for that, mainly using the functional renormalization group framework. In this poster, I will explore the predictive power of asymptotically-safe quantum gravity and the interplay between gravity and matter, focusing on a toy model inspired by dark-matter axion-like particles.

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