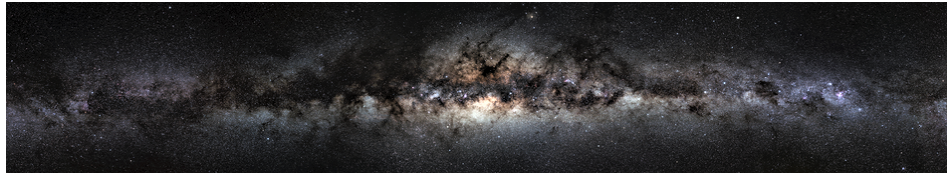


Dark Sectors of Astroparticle Physics (AstroDark-2021): Axions, Neutrinos, Black Holes and Gravitational Waves



Contribution ID: 22

Type: **not specified**

Fundamental Axions

Wednesday 8 December 2021 09:30 (40 minutes)

Axion-like fields appear in many string theory constructions. I will discuss a proposed explanation for why they are so ubiquitous: they play a crucial role in eliminating would-be global symmetries from the theory. This also gives a new perspective on axion interactions with magnetic monopoles. I will explain how magnetic monopole loops give rise to an axion potential.

Primary author: REECE, Matthew (Harvard University)

Presenter: REECE, Matthew (Harvard University)

Session Classification: Plenary