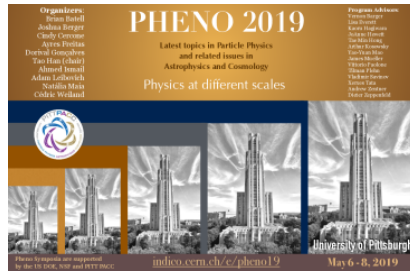


Phenomenology 2019 Symposium



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Type: **parallel talk**

Misalignment Mechanism for the Partially Composite Axion

Monday 6 May 2019 15:45 (15 minutes)

We consider a partially composite axion which results from a linear mixing between an elementary scalar and a composite operator of dimension four. Non-perturbative effects generate a mass for the partially composite axion and mix it with the heavier axion states. This causes the misalignment mechanism to produce multiple axions with different abundances and leads to new interesting phenomenology in dynamical dark matter models.

Summary

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