

# Axions: Diversity beats Simplicity

*Thursday, 15 October 2015 11:00 (45 minutes)*

While axions have been initially proposed as a solution of the strong CP-problem, they might also find useful applications in cosmology: as candidates for cold dark matter, dark energy (quintessence) and inflation. The ultraviolet completion within the framework of string theory provides a plethora of axions and motivates the consideration of mult-axion systems as a solution to some of the remaining problems in explicit model building.

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