

Quasi-Degenerate Vacua in the KSVZ axion model; A minimal approach to dark energy and dark matter

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I will present a study of the KSVZ axion model with quasi-degenerate vacua as a minimal model for dark energy and dark matter. I will review axions as dark matter and provide an explanation for dark energy in the form of a difference in vacuum energy density between the electroweak vacuum and a second degenerate minimum in the effective potential, which can be achieved via the scalar threshold effect.

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