

## Special Issue

# Ultralight Bosonic Dark Matter: Theoretical Developments and Experimental Searches

### Message from the Guest Editors

Axions are a leading candidate for ultralight bosonic dark matter and potentially hold the key to understanding CP violation and the universe's baryon asymmetry. Axion physics is a vibrant field, rich in theoretical ideas and experimental approaches, spanning observational cosmology to tabletop searches for exotic spin-dependent forces. This Special Issue compiles reviews and original research contributions in contemporary axion physics, dedicated to Profs. Derek F. Jackson Kimball and Jason E. Stalnaker, pioneers in axion research, on the occasion of their 50th anniversaries.

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### Guest Editors

Prof. Dr. Dmitry Budker

Dr. Hendrik Bekker

Dr. Alexander Sushkov

Dr. Arne Wickenbrock

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### Deadline for manuscript submissions

30 June 2026



## Universe

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## About the Journal

### Message from the Editor-in-Chief

The multidisciplinary journal *Universe* is aiming to follow and, hopefully, to lead to the largest extent as possible the ever-self renovating threads which weave mathematical theories with our understanding of the magnificent natural world. On behalf of all the distinguished members of the Advisory and Editorial Boards, I extend my welcome to this journal and look forward to hearing from the interested contributors and learning about their valuable research.

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### Editor-in-Chief

Prof. Dr. Lorenzo Iorio  
Ministero dell' Istruzione e del Merito, Viale Unità di Italia 68, 70125 Bari,  
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