PHYSICS OF THE DARK UNIVERSE
Frontiers in Particle Astrophysics and Cosmology

AUTHOR INFORMATION PACK

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DESCRIPTION

Physics of the Dark Universe is an innovative online-only journal that offers rapid publication of peer-reviewed, original research articles considered of high scientific impact. The journal is focused on the understanding of Dark Matter, Dark Energy, Early Universe, gravitational waves and neutrinos, covering all theoretical, experimental and phenomenological aspects.

Physics of the Dark Universe encourages the submission of articles on the following subjects in this field:

**Dark Matter:** Nature of particle Dark Matter
Direct searches
Indirect searches
Collider searches, including for example the Large Hadron Collider
New and existing models (e.g. SUSY, extra dimensions, axions, etc)
Low mass WIMP searches

**Dark Energy:** Observations and experimental results
Forecast and design of new experiments
Models and theoretical properties of vacuum energy, quintessence, modified gravity, and in general of Dark Energy, cosmic acceleration and its alternative explanations

**Early Universe:** Models and observational tests of Inflation

**Dark Messengers:** Gravitational waves in cosmology
Cosmic neutrino background

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GUIDE FOR AUTHORS

PUBLISHING IN PHYSICS OF THE DARK UNIVERSE

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