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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 searchesIndirect searchesCollider searches, including for example the Large Hadron ColliderNew and existing models (e.g. SUSY, extra dimensions, axions, etc)Low mass WIMP searches

**Dark Energy:** Observations and experimental resultsForecast and design of new experimentsModels 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 cosmologyCosmic neutrino background

In addition to submission of scientific papers in the usual formats, we encourage the submission of innovative articles, in the following forms:

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GUIDE FOR AUTHORS

PUBLISHING IN PHYSICS OF THE DARK UNIVERSE

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Methodological papers are summaries of projects or theoretical issues that reflect the interests, experience and expertise of the author. These papers generally serve the purpose of providing in-depth discussion of a topic that the writer has a strong position on, usually corroborated by a practical proposal on how to address this issue. Descriptions of new experiments, new software or new theoretical models that can help to shed light on the understanding of Dark Matter and Dark Energy are welcome.

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The software will be properly versioned, together with the documentation. A new submission can only be accepted if the modifications to the software are substantial for the scientific achievement of the program.

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The computer program described must contribute to the understanding of Dark Matter and Dark Energy, either for analysis, technical or statistical approaches.

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