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Particles

A vertical, rectangular image showing a dense field of small, bright, irregularly shaped particles suspended in a dark green fluid. The particles are concentrated in the center and appear to be moving or settling.

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Message from the Editor-in-Chief

Particles (ISSN 2571-712X) is an open access journal covering all aspects of nuclear physics, particle physics, experimental/theoretical high-energy physics and astrophysics. A primary objective of *Particles* is to encourage, facilitate and disseminate detailed accounts of experimental and theoretical findings by scientists across the globe. High quality, innovative, pioneering and relevant manuscripts are currently being invited. *Particles* adheres to rigorous peer-review and publishes high quality and cutting-edge research in the format of research articles, review papers, letters or short communications. Our goal is to enable rapid dissemination of high impact works to the scientific community.

Editor-in-Chief

Prof. Dr. Armen Sedrakian

Associate Editor

Prof. Dr. David Blaschke

Aims

Particles (ISSN 2571-712X) is a peer-reviewed, open access journal that publishes reviews, regular research papers, and short communications as well as Special Issues in the areas of nuclear physics and particle physics. Topics also include related domains of experimental/theoretical high-energy physics and particle astrophysics.

We aim to encourage scientists to publish their experimental and theoretical results in as much detail as possible. Therefore, there is no restriction on the length of articles. Providing the full details of experiments is encouraged to enable the reproduction of the results. Supporting electronic files or software can be uploaded as supplementary materials to corresponding publications.

Scope

- Nuclear structure, reactions and dynamics
- Nuclear forces and few-body systems
- Rare decays and fundamental symmetries
- Nuclear astrophysics
- Intermediate and high energy heavy ion physics
- Experimental data processing
- Particle detection
- Particle accelerators
- Novel hardware solutions
- Lattice field theory
- Hadronic physics and QCD
- High-energy particle physics
- Neutrino physics
- Astroparticle physics
- Particle physics in cosmology
- Quantum field theory methods in particle physics
- Statistical physics of elementary particles
- Condensed matter methods in particle and nuclear physics
- Machine learning and artificial intelligence

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