
Exploring Exotic and Non-Standard Phenomena in the NOVA Experiment

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The NOvA experiment, primarily focused on neutrino oscillation studies, also provides a unique platform to search for exotic and non-standard physics phenomena. In this poster, we present the ongoing analyses in the following topics: atmospheric and cosmogenic neutrinos, slow magnetic monopoles, high-energy muons, low-ionizing particles, neutron-antineutron oscillation. We will outline the current status of each analysis, highlight the methods and techniques, and discuss the preliminary results. We also highlight the importance of these searches for our scientific knowledge.
