

The PANDA Physics Program

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The PANDA experiment is one of the major projects at the upcoming FAIR facility in Darmstadt, Germany. It will study hadron physics by using antiproton-proton and antiproton-nuclear interactions in the momentum range of 1.5 GeV/c to 15 GeV/c with a 4π state-of-the-art detector. The purpose is to learn about fundamental aspects of the strong interaction in the transition region between perturbative QCD and nuclear phenomena. PANDA covers a broad physics program ranging from hadron spectroscopy and structure, baryon-antibaryon production, hadron properties in nuclei to hypernuclei.

This paper will review the PANDA physics program.

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