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Physics prospects for first experiments at PANDA

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The PANDA experiment is one of the major projects in preparation at the upcoming FAIR facility. It will study interactions between antiprotons and protons or nuclei in the momentum range from 1.5 to 15 GeV/c. The PANDA scientific program will address a wide range of topics, all aiming at improving our understanding of the strong interaction and hadron structure using a general purpose spectrometer that will collect high quality and high statistics data in the fields of: hadron spectroscopy, hypernuclear physics, electromagnetic processes. This paper will describe some of the physics topics that will be addressed at the beginning of the experimental activity.

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