

International Conference on Science and Technology for FAIR in Europe 2014



Contribution ID: 67

Type: **not specified**

Physics prospects for first experiments at PANDA

Thursday, October 16, 2014 10:10 AM (35 minutes)

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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Session Classification: Hadron Physics III