Antiproton physics at GSI with PANDA

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An overview of the PANDA detector for studies of the interaction of antiprotons with nucleons and nuclei at the future GSI accelerator facility is given. Physics program including, in particular, charmonium spectroscopy, search for exotics, studies of the interaction of charmed hadrons in matter, production of double Λ-hypernuclei, CP-violation in the $D\overline{D}$ and $\Lambda\overline{\Lambda}$ system is presented.

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