Hadron physics with antiprotons

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The new antiproton storage ring HESR will offer unique unprecedented opportunities for hadron physics. The results from recent years prove that the annihilation of antiprotons with protons is ideally suited for finding glueballs and hybrids. In addition, antiproton experiments have resulted in the most precise results for charmonium spectroscopy and light quark spectroscopy. The properties of the HESR antiproton ring, together with a dedicated internal target experiment, will extend the possibilities in the field of spectroscopy. It will also allow us to study charm in nuclei, hypernuclei physics, and D meson decays, as well as to look for CP violation in the charm sector.