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Development of the antiproton trap for the GBAR experiment

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The GBAR experiment aims to measure the gravitational acceleration of antihydrogen atoms within a terrestrial gravitational field. In this experiment, antihydrogen atoms are produced by the interaction of a positronium cloud with an antiproton beam. A Penning-Malmberg trap has been developed to capture antiprotons supplied by ELENA at CERN, enabling the generation of a high-intensity antiproton beam for the experiment.

Author: LEE, Byungchan (Seoul National University (KR))

Presenter: LEE, Byungchan (Seoul National University (KR))

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