

The status of the GBAR experiment

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The GBAR experiment at CERN aims to measure the gravitational acceleration of antihydrogen at the terrestrial gravitational field.

The production of antihydrogen atom and antihydrogen ion by double charge exchange between antiproton beam and positronium cloud is a key step to produce ultra-cold antihydrogen atom.

The GBAR experiment has developed two antimatter beamlines: an antiproton beamline and a positron beamline, both operating in the keV kinetic energy range for the reaction.

The current status of this development will be presented in the talk.

Paper submission Plan

Yes

Best Presentation

No

Contribution track

ICABU WG3. Beamline and Instrumentation

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