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## **Fundamental Symmetry Tests using Trapped Antihydrogen - Recent Results and Future Plans of ALPHA**

*Wednesday, 31 May 2017 14:00 (15 minutes)*

The ALPHA experiment at CERN was designed to test CPT symmetry through comparisons of measurements of antihydrogen transition frequencies to those of hydrogen. I will describe our recent result on the 1S to 2S transition in antihydrogen. Then I will discuss a new experiment - ALPHA-g - which aims to study the gravitational interaction between antihydrogen and the Earth.

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