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## The AEGIS experiment at CERN: Probing antimatter gravity

*Thursday, 6 September 2018 14:40 (20 minutes)*

The AEGIS experiment at CERN's Antiproton Decelerator is being set up to precisely measure the gravitational interaction between matter and antimatter. For this purpose, antihydrogen will be formed from cold antiprotons and positronium, the hydrogen-like bound state of an electron and a positron. Subsequently, the free-fall acceleration of a cold horizontal beam of antihydrogen will be measured with a deflectometer. In this talk, the present status, recent experimental progress and the medium-term plan of the AEGIS experiment will be presented.

### Selected session

Fundamental Symmetries

**Presenter:** CARAVITA, Ruggero (GE)

**Session Classification:** Fundamental Symmetries