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Antihydrogen formation and trapping

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Antihydrogen, the bound state of an antiproton and a positron, can now be routinely formed and trapped in magnetic minimum traps. The first physics results with this intriguing system have been carried out and many more are on the horizon. Antihydrogen is thus on the verge of delivering on its promise of becoming an important test bed for fundamental physics and tests of fundamental symmetries. In this presentation, we will give an overview of the developments that have led to these remarkable results, review some of the key techniques involved and discuss ongoing and planned measurements with antihydrogen.

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