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## **【636】 ASACUSA's low energy proton source for matter studies**

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The ASACUSA collaboration at CERN aims to perform a ppm measurement of the ground-state hyperfine structure of antihydrogen. Due to the Long Shutdown 2 no antiprotons are provided by CERN. For this reason, a proton source was developed to produce hydrogen by mixing electrons and protons in the same apparatus and with the same techniques which will be used for the antimatter experiment.

The poster will cover the design, the method of operation, as well as results of the proton production.

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