

SUPERCONDUCTING PAUL TRAP FOR ANTIPROTONS

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Abstract

In the framework of the Asacusa experiment at the CERN Antiproton Decelerator (AD) we are developing a linear superconducting Paul-trap to capture and cool the antiprotons emerging from our RFQ decelerator and further slowed down when passing through a degrader foil window to about $E_{kin} \sim 5-10$ keV. In this talk the linear Paul-trap design and results with a test cavity will be discussed.

**CONTRIBUTION NOT
RECEIVED**