

Abstract Submitted
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**PEN Experiment: Towards a New Measurement of the Pion
Branching Ratio** MARTIN LEHMAN, University of Virginia, PEN COLLABO-
RATION — The experimental determination of the $\pi^+ \rightarrow e^+\nu(\gamma)$ decay branching
ratio currently provides the most accurate test of lepton universality. The PEN
experiment at PSI, Switzerland, aims to improve the experimental precision of
 3.3×10^{-3} to 5×10^{-4} using a stopped beam approach. During runs in 2008-10,
PEN has acquired over 2×10^7 π_{e2} events. The experiment includes active beam
detectors (degrader, mini TPC, target), central MWPC tracking with plastic scin-
tillator hodoscopes, and a spherical pure CsI electromagnetic shower calorimeter. A
progress update on key aspects of the analysis will be presented.

Martin Lehman
University of Virginia

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