

Abstract Submitted
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Update on the MUSE Proton Radius Measurement ETHAN CLINE, Rutgers University, MUSE COLLABORATION — The results of the test beam run in December 2015 for the MUSE experiment are presented and the current status of MUSE will be discussed. During this test run a study of 2 mm thick scintillators coupled to SiPMs was performed and the results are the focus of this talk. SiPMs from two different companies, AvanSiD and Hamamatsu, were tested and it was found the timing resolution is between 89 ps - 110 ps, depending on SiPM model, bar length, and momentum. The bars have an operational efficiency of at least 99%.

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