

Abstract Submitted
for the APR20 Meeting of
The American Physical Society

The Straw Tube Tracker for the MUSE Experiment HAMZA ATAC, NIKOLAOS SPARVERIS, Temple Univ, GUY RON, DAN COHEN, HUJI, MUSE COLLABORATION — The MUon Proton Scattering Experiment (MUSE) at the Paul Scherrer Institute aims to address the proton radius puzzle through simultaneous measurements of the muon-proton and electron-proton elastic cross sections. One of the main elements of the MUSE setup involves the Straw Tube Tracker (STT) that will provide high resolution and high efficiency tracking of the scattered particles from the target. Details regarding the design and performance of the STT detector system will be presented in this work. Acknowledgement: This work is supported by the DOE award DE-SC0016577, the NSF award 1614756, and by the United States - Israel Binational Science Foundation.

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Date submitted: 10 Jan 2020

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