

Abstract Submitted  
for the APR20 Meeting of  
The American Physical Society

**Frontend electronics for the Phase-II upgrade of the ATLAS small-diameter Muon Drift Tube detector** YUXIANG GUO, University of Science and Technology of China, University of Michigan, ATLAS COLLABORATION — The ATLAS monitored drift tube (MDT) chambers are the main component of the precision tracking system in the ATLAS muon spectrometer. The MDT system is capable of measuring the sagitta of muon tracks to an accuracy of 60  $\mu\text{m}$ , which corresponds to a 10

Yuxiang Guo  
University of Science and Technology of China, University of Michigan

Date submitted: 07 Jan 2020

Electronic form version 1.4