

Abstract Submitted  
for the APR14 Meeting of  
The American Physical Society

**Online SVT Commissioning and Monitoring using a Service-Oriented Architecture Framework** JUSTIN RUGER, Christopher Newport University, YURI GOTRA, DENNIS WEYGAND, VERONIQUE ZIEGLER, Jefferson Lab, DAVID HEDDLE, DAVID GORE, Christopher Newport University — Silicon Vertex Tracker detectors are devices used in high energy experiments for precision measurement of charged tracks close to the collision point. Early detection of faulty hardware is essential and therefore code development of monitoring and commissioning software is essential. The computing framework for the CLAS12 experiment at Jefferson Lab is a service-oriented architecture that allows efficient data-flow from one service to another through loose coupling. I will present the strategy and development of services for the CLAS12 Silicon Tracker data monitoring and commissioning within this framework, as well as preliminary results using test data.

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Date submitted: 10 Jan 2014

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