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Order	Name	Role	Email	Affiliation	Action
001	Ralph M. Marinaro Speaker ralph.marinaro.15@cnu.edu Christopher Newport University Submitter				
	Abstract Title: Performance and Commissioning of Super BigBite Scintillator Detectors for Nucleon Form Factor Experiments at Jefferson Lab				
	Presentation Type: Oral				
	Sorting Category: 14. Instrumentation				
	Ca	tegory Type: l	Experimental		
			The Super BigBite Spec Collaboration project th electromagnetic form fa Timing Hodoscope whi for scattered electrons in detector research projec calibration, and perform and during the first (GM experiments at JLab Ha	trometer (SBS) is a Jefferson La at has and continues to measure ctors (EMFF). This spectrometer ch provided high resolution parti- n the electron arm of BigBite. The t was the construction, commissi- nance of the BigBite Timing Hod In - neutron magnetic FF) of five II A.	b (JLab) Hall A nucleon r included the cle timing data le focus of this oning, oscope before e nucleon EMFF
	Abstract Body:		Once the Timing Hodos calibrated, data-taking c used to characterize the time. After application of particle tracks correspond of interest for measuren on average across all kin efficiency, a position rest and 1.5-2 cm in the disp ps. These performance of performance simulation	cope was built, commissioned, a commenced and the beam on-targ Timing Hodoscope performance of physics cuts to ensure a data so nding to elastic electrons, which nent of GMn, the Timing Hodosco nematic settings to have a >98% solution of 4-6 cm in the non-dis persive plane, and a time resolution results are compared to a GEAN of the BigBite Timing Hodoscop	nd well- get data was during run- et comprised of is the main data ope is shown tracking persive plane on of 500-750 F4 based pe.
] t ((For the final SBS form to run in the near future (CDet). The focus of the CDet's commissioning a finish in 2024.	factor experiment (GEp - proton , SBS will include the Coordinat s detector research project cover and installation progress, which i	electric FF) set e Detector s, thus far, s scheduled to
	Team Acknowl	edgement:	Super BigBite, Hall A.	lefferson Lab	
Ι	Funding Acknowl	edgement:	This research is funded supported by the U.S. D Thomas Jefferson Natio	by the National Science Foundat repartment of Energy (DOE) thro nal Accelerator Facility (JLab).	ion (NSF), and ough the
	Newsworth	y Research? 1	No	/	
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