

Abstract Submitted  
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**Forward particle production at STAR** ANDREW GORDON,  
Brookhaven National Laboratory, STAR COLLABORATION — STAR has enhanced its forward acceptance with a new calorimeter (Forward Meson Spectrometer (FMS),  $2.5 < \eta < 4.0$ ,  $0 < \phi < 2\pi$ ), first brought online during the 2008 transverse p+p and d+Au RHIC run. This has extended the kinematic reach of asymmetry measurements and enhanced the ability to analyze multi-cluster correlations within an event. Multi-cluster events in the FMS hold the promise of separating Collins and Sivers effects by summing over fragmentation products. As a step towards understanding such data, we have begun to analyze three-cluster events, with a focus on the spin 1  $\omega$  through its decay to a neutral pion and photon. I will discuss the data obtained in 2008 and progress made in the analysis.

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