

Abstract Submitted
for the APR10 Meeting of
The American Physical Society

Forward polarization studies at STAR XUAN LI, Department of Physics, Brookhaven National Laboratory, STAR COLLABORATION — As part of our program to understand the internal structure of the proton, we intend to measure γ -jet asymmetries and high x Lambda polarization in $\sqrt{s} \geq 200$ GeV polarized proton-proton collisions. To facilitate these measurements, we are testing a Forward Hadron Calorimeter (FHC), which is proposed to be installed behind the existing Forward Meson Spectrometer (FMS) at STAR with cosmic ray muons. We will present the status of cosmic ray tests of existing FHC modules. Simulation studies of Lambda reconstruction at forward rapidities at STAR using the FMS and FHC will also be presented.

Xuan Li
Department of Physics, Brookhaven National Laboratory

Date submitted: 22 Oct 2009

Electronic form version 1.4