

Abstract Submitted
for the DNP11 Meeting of
The American Physical Society

Strange Baryons Production in RHIC Beam Energy Scan FENG ZHAO, UCLA, STAR COLLABORATION — Strange baryon production is sensitive to the dynamics of deconfined quark-gluon matter created in heavy ion collisions. We have been investigating the strangeness enhancement and strangeness equilibration as a function of beam energy at RHIC. We have analyzed strange baryon production from Au+Au collision data at 7.7 GeV, 11.5 GeV and 39 GeV that STAR has collected during the RHIC beam energy scan in 2010. In this presentation, the p_T spectra of Λ , Ξ^- , Ω^- and their antiparticles will be reported. The strangeness enhancement and nuclear modification factor of strange baryons at these energies will also be discussed.

Feng Zhao
UCLA

Date submitted: 29 Jun 2011

Electronic form version 1.4