

Abstract Submitted  
for the HAW05 Meeting of  
The American Physical Society

**Form-factor dependence of  $B_c$  absorption cross sections by nucleons** M.A.K. LODHI, RIAN MARSHALL, Texas Tech University, DEPARTMENT OF PHYSICS, TEXAS TECH UNIVERSITY, LUBBOCK TX 79409 TEAM — The cross sections for  $B_c$  absorption by nucleons are examined using a gauged SU5 hadronic Lagrangian in a meson-baryonic exchange model. Only the charm exchange processes are examined with the assumption that lighter exchange processes dominate. Results are obtained without and with monopole form-factors to account for the hadron structure. Results with form-factors tend towards a range of about 1 to 7 mb near threshold energies.

M. A. K. Lodhi  
Texas Tech University

Date submitted: 16 May 2005

Electronic form version 1.4