

Parallel talk

Latest results from GRAAL collaboration

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收稿日期 2009-8-7 修回日期 网络版发布日期 2009-11-11 接受日期 2009-11-11

摘要 The GRAAL experimental set-up consists of a polarized and tagged photon beam that covers an energy range from a minimum of 600 MeV up to a maximum of 1500 MeV, of a liquid Hydrogen or Deuterium target and of the 4n Lagrange detector optimized for photon detection. It allows the study of pseudo-scalar and vector meson photoproduction on the nucleon in the energy range corresponding to the second and the third resonance regions. In the following, the Σ beam asymmetries in η and π^0 photoproduction on quasi-free nucleon are shown. Also single and double polarization observables in $K+\Lambda$ photoproduction on free proton are shown; they are important to confirm the role of new or poorly known resonances in the 1900 MeV mass region.

关键词 [polarized photon, meson photoproduction, polarization observables](#)

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