

Abstract for an Invited Paper
for the HAW09 Meeting of
The American Physical Society

Baryon resonances at LEPS

MIZUKI SUMIHAMA, Osaka University, RCNP

Backward-angle photoproductions of π^0 , η , η' , and ω mesons have been measured in the photon energy range from 1.5 GeV to 2.4 GeV at the SPring-8/LEPS facility. Differential cross sections and photon beam asymmetries have been obtained. The cross section data show the bump structures around 2.1 GeV. The photon beam asymmetries for π^0 photoproduction show a strong angular dependence. The data will be discussed connecting with baryon resonances. In addition, the future plan of experiments with photon energies up to 3 GeV will be introduced.