

Meson Spectroscopy at CLAS and CLAS12

Carlos Salgado^a for the CLAS Collaboration
^aNorfolk State University, Norfolk, Virginia, USA
and
The Thomas Jefferson National Accelerator Facility
Newport News, Virginia, USA

Abstract: We report on meson spectroscopy using the CLAS at Jefferson Lab. We search for photoproduced exotic mesons and strangeonia on the largest statistics of data ever to be produced at photon energies of about 5 GeV. Preliminary results on several decay channels are presented. We also describe a proposal to continue meson spectroscopy at CLAS12 using a beam of virtual photons with very low Q^2 and energies up to 10 GeV.

Invited talk to be presented at BARYONS'2010, Osaka, Japan December 7-11,2010