## Abstract Submitted for the APR07 Meeting of The American Physical Society

Search for  $\Phi(1860)$  Pentaquark States with CLAS HOVANES EGIYAN, University of New Hampshire, CLAS COLLABORATION — Following the first observations of the possible S=+1 pentaquark state  $\Theta^+(1540)$ , there have been many experiments in various laboratories to confirm these results and to search for states which could be associated with other members of the pentaquark antidecuplet. NA49 collaboration reported the observation of narrow S=-2 states with masses about 1860 GeV showing in the  $\Xi\pi$  invariant mass spectra. These states were identified as isospin 3/2 members of the pentaquark antidecuplet. However, other experiments have failed to reproduce these results. A new experiment has recently been performed at Jefferson Lab using the CLAS detector to search for the  $\Phi(1860)$  state in photoproduction on a deuterium target. We will present the preliminary results of the analysis in this talk.

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Date submitted: 11 Jan 2007 Electronic form version 1.4