

ACCELERATOR SEMINAR

“Photoproduction of the $\phi(1020)$ Meson in Neutral Decay Mode $\gamma p \rightarrow \phi p \rightarrow K_S K_L p$ ”

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The $\phi(1020)$ meson photoproduction cross sections in the neutral decay mode $\phi \rightarrow K_S K_L$ are measured for the first time. We analyzed the photoproduction data of the g11a experiment collected on an LH2 target with CLAS at Hall B, TJNAF. The measured cross sections show some differences from the charged decay mode $\phi \rightarrow K^+ K^-$. The differential cross sections, decay angular distributions and spin-density matrix elements in the Helicity and Gottfried-Jackson frames will be presented for the photon energy range 1.6 - 2.6 GeV.

Wednesday, August 31, 2011

10:00 a.m.

CEBAF Center, Room F113

Coffee before seminar at 9:45 a.m.