# Anomaly in the K-S(0)Sigma(+) photoproduction cross section off the proton at the K* threshold



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The gamma + p ->K-0 + Sigma(+) photoproduction reaction is investigated in the energy region from threshold to E gamma = 2250 MeV. The differential cross section exhibits increasing forward-peaking with energy, but only up to the K* threshold. Beyond, it suddenly returns to a flat distribution with the forward cross section dropping by a factor of four. In the total cross section a pronounced structure is observed between the K*Lambda and K*Sigma thresholds. (C) 2012 Published by Elsevier B.V.

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