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## Physics Letters B

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Threshold  $\pi^0$  photoproduction from the Skyrmion

Pervez Hoodbhoy

Department of Physics, Quaid-e-Azam University, Islamabad, Pakistan

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## Abstract

The Skyrme model for nucleons is used to calculate threshold  $\pi^0$  photoproduction off a proton. It was found that the anomalous part of the electromagnetic current yields an important contribution to the photoproduction amplitude, roughly of the same magnitude normally ascribed to  $\omega$  meson exchange. Agreement with the experimental threshold cross section can thus be achieved without invoking  $\omega$  exchange.

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