

Abstract
References

Nuclear Physics A

Volume 507, Issues 3–4, 12 February 1990, Pages 698–706

**Polarized photoproduction from nuclear targets with arbitrary spin and relation to deep inelastic scattering**Pervez Hoodbhoy^{a, b}^a Center for Theoretical Physics, Laboratory for Nuclear Science and Department of Physics, Massachusetts Institute of Technology, Cambridge, MA 02139, USA^b World Laboratory Center for High Energy Physics and Cosmology Department of Physics, Quaid-e-Azam University, Islamabad, Pakistan

Choose an option to locate/access this article:

Check if you have access through your login credentials or your institution

[Check access](#)[Purchase](#)[Get Full Text Elsewhere](#)

Abstract

Inclusive photo-production from polarized targets of arbitrary spin is analyzed by using multipoles. The Drell-Hearn-Gerasimov sum rule, which was originally formulated for spin- $\frac{1}{2}$ targets, is generalized to all spins and multipoles, and shown to have some interesting consequences. Measurements to test the new rules, or to derive nuclear structure information from them, could be incorporated into existing plans at electron accelerator facilities. Finally, the possible relevance of these generalized sum rules to sum rules measurable in polarized lepton — polarized target deep inelastic inclusive scattering is discussed.

There are no figures or tables for this document.

☆ This work is supported in part by funds provided by the US Department of Energy (DOE) under contract #DE-AC02-76ER03069, NSF under grant number 8811939-INT, and PSF under grant number C-QUPHY(S7).

Copyright © 1990 Published by Elsevier B.V.

[About ScienceDirect](#)[Information for advertisers](#)[About Elsevier](#)[Terms and conditions](#)[Contact and support](#)[Privacy policy](#)

ELSEVIER

Copyright © 2013 Elsevier B.V. except certain content provided by third parties. ScienceDirect® is a registered trademark of Elsevier B.V.

Cookies are used by this site. To decline or learn more, visit our [Cookies page](#)[http://dx.doi.org/10.1016/0375-9474\(90\)90176-M](http://dx.doi.org/10.1016/0375-9474(90)90176-M)[Get rights and content](#)

Bibliographic information

Citing and recommended articles

Recommended articles

Novel effects in deep inelastic scattering from spin-one hadrons

1989, Nuclear Physics B

[Show more information](#)**Charge form factors of ^3He and ^3H in hybrid quark hadron model**

1986, Nuclear Physics A

[Show more information](#)

Poster session

1990, Nuclear Physics A

[Show more information](#)[View more articles >](#)

Cited by (0)

This article has not been cited.

Related reference work articles

No articles found.

Applications and tools

Workspace

ADVERTISEMENT

Do you
organise
scientific
or medical
events?GLOBALEVENTSLIST
ELSEVIER's resource of the world's
scientific & medical events