2005 Vol.43 No.4 pp.695-698 DOI:

Bloom-Gilman Duality of Nucleon Spin Structure Function and Elastic Peak Contribution

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(Received: 2004-8-3; Revised:)

Abstract: By employing the parametrization form of the nucleon spin structure function in the resonance region, which includes the contributions of the resonance peaks and of nonresonance background, we study Bloom-Gilman quark-hadron duality of g_1 both in the inelastic resonance region and elastic one.

PACS: 13.60.Hb, 12.38.Aw, 12.38.Cy, 12.38.-t, 13.60.Fz, 12.40.Nn
Key words: Bloom-Gilman quark-hadron duality, nucleon spin structure functions, parametrization

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