

## Local Quark-Hadron Duality and Magnetic Form Factors of Bound Proton

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(Received: 2004-11-30; Revised: )

**Abstract:** We discuss the consequence of local duality for elastic scattering, and derive a model-independent equation between structure functions at  $x \sim 1$  and elastic electromagnetic form factors. Then the electromagnetic form factors of proton are discussed using the quark-hadron duality theory. We also debate the form factor of proton in a bound state. It may be an effective approach to study the form factor of proton in media.

PACS: 14.20.Dh, 13.40.-f, 12.39.Ki, 24.10.Jv

Key words: form factors, quark-hadron duality, EMC effects

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