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New Anomaly of the Axial-Vector Current

HE Han-Xin

China Institute of Atomic Energy, P.O. Box 275(18), Beijing 102413, China Institute of Theoretical Physics, Academia Sinica, Beijing 100080, China (Received: 2001-3-23; Revised:)

Abstract: By computing the axial-vector current operator equation, we find the anomalous axial-vector curl equation besides the well-known anomalous axial-vector divergence equation (the Adler-Bell-Jackiw anomaly) and discuss its implication.

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Key words: axial-vector current, quantum anomaly

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