

Abstract Submitted  
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**A Study of Anomalous Production of Z-Bosons with High Transverse Momentum at the Tevatron** ALEXANDER PARAMONOV, The University of Chicago, CDF COLLABORATION — As part of a broad search for new heavy particles decaying into W and Z bosons, we have measured an upper limit on the anomalous production of Z-bosons with large transverse momentum. The Z bosons, which are produced in  $p\bar{p}$  collisions at 1.96 TeV at the Fermilab Tevatron, are studied in the  $e^+e^-$  and  $\mu^+\mu^-$  final states using the CDF detector. The integrated luminosity of the data samples is  $305 \text{ pb}^{-1}$ . In addition to the comparison with the Standard Model, we have compared the results with the predictions of a specific model, proposed by Bjorken, Pakvasa, and Tuan, of heavy right-handed quarks that decay into the W, Z, and Higgs bosons.

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