Study of Zγ production YURII MARAVIN, Fermi National Accelerator Laboratory, DZERO COLLABORATION — We present a measurement of the Zγ production cross-section and limits on CP-conserving anomalous ZZ$^*\gamma$ and Z$\gamma^*\gamma$ couplings for form-factor scales of $\Lambda = 750$ and 1000 GeV. We collected 138 (152) candidate events in the eeγ ($\mu\mu\gamma$) final states using 324 (286) pb^{-1} of p$\bar{\text{p}}$ collisions at $\sqrt{s} = 1.96$ TeV. 95% C.L. limits on individual anomalous couplings are $|h_{30}^Z| < 0.21$, $|h_{30}^\gamma| < 0.22$, and $|h_4^{\gamma,Z}0| < 0.019$ for $\Lambda = 1000$ GeV.

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