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Studies of Z + photon Production at CDF JON POAGE, WES KETCHUM, ZAID ALAWI, VADIM RUSU, YOUNG-KEE KIM, University of Chicago, CDF COLLABORATION — We study the properties of the Z + photon production from proton and anti-proton collisions at the Center-of-Mass of 1.96 TeV at the Fermilab Tevatron using the CDF II detector. We analyze a sample corresponding to an integrated luminosity of $3.1 fb^{-1}$. We select events in which the Z boson decays leptonically by requiring two electrons or two muons to be identified in the detector, while also requiring the presence of an additional photon. We compare this selection to the expected Standard Model contribution, and compare various kinematic variables between the data and the Standard Model predictions.

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