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# Gamma Gamma Total Cross-sections

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We explore the predictions for the total hadronic gamma gamma cross-sections in a mini-jet model, which includes the effect of soft-gluon resummation. The non-perturbative parameters in the model are determined from the values obtained in a good fit to the pp and proton-antiproton data and the Vector Meson Dominance Model. Recently we studied dependence of the parameters for the pp/proton-antiproton case, on the parton densities used for the (anti)proton. In this study, we now investigate the effect of this on the predictions of the total, hadronic, gamma gamma cross-sections at the ILC energies.

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