## THE INELASTIC PROTON-AIR CROSS SECTION AT $\sqrt{S} \sim 2$ TEV FROM EAS-TOP DATA.

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Showers generated by proton primaries and near to maximum development are selected by choosing high $N_{e}$ values in a fixed $N_{\mu}\left(E_{\mu}>1 \mathrm{GeV}\right)$ (i.e. primary energy) range. The proton-air inelastic interaction length $\lambda_{p-a i r}$ is inferred from the relation $\Lambda_{o b s}=k \lambda_{p-a i r}$ where $k$ is obtained from simulations and $\Lambda_{\text {obs }}$ is the observed attenuation of showers rate. Final results, including the full EAS-TOP data set are presented and discussed.

