

Abstract Submitted  
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**Double Parton Interactions in  $\gamma + b/c + 2$  jet events in  $p\bar{p}$  collisions at  $\sqrt{s} = 1.96$  TeV** GEORGY GOLOVANOV, Joint Institute for Nuclear Research, D0 COLLABORATION — We use a sample of  $\gamma +$  heavy flavor jet + dijet events collected by the D0 detector in a data sample corresponding to an integrated luminosity of about  $8.7 \text{ fb}^{-1}$  of  $p\bar{p}$  collisions at the Fermilab Tevatron collider, to study properties of events with double parton scattering (DPS) in single  $p\bar{p}$  collisions at  $\sqrt{s} = 1.96$  TeV. We describe the measurement of the DPS event fraction and the effective cross section ( $\sigma_{\text{eff}}$ ) for double parton scattering.

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