

Abstract Submitted  
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**Search for High-Mass Resonances Decaying into Leptons of Different Flavor** YANJUN TU, ANADI CANEPA, NIGEL LOCKYER, University of Pennsylvania, PAVEL MURAT, Fermilab, CDF COLLABORATION — We present a search for high-mass resonances decaying into two leptons of different flavor:  $e\mu$ ,  $e\tau$  and  $\mu\tau$ . These resonances are predicted by several models beyond the Standard Model, such as the R-parity-violating MSSM. The search is based on  $1 \text{ fb}^{-1}$  of Tevatron Run II data collected with the CDF detector at  $\sqrt{s} = 1.96 \text{ TeV}$  in proton anti-proton collisions.

Benjamin Brau  
University of California, Santa Barbara

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