

Abstract Submitted  
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**Search for Quark-Lepton Compositeness in the Dimuon Channel**

NGUYEN XUAN, University of Notre Dame, DZERO COLLABORATION — Data collected with the DØ detector at the Fermilab Tevatron at  $\sqrt{s} = 1.96$  TeV are used to search for compositeness of quarks and leptons. The high-mass dimuon mass spectrum obtained with an integrated luminosity of  $300 \text{ pb}^{-1}$  is compared with that predicted by Drell-Yan (DY) scattering modified by a contact interaction. This interaction is parameterized by a compositeness scale factor  $\Lambda$ . Preliminary limits on  $\Lambda$  are set for constructive and destructive interference between the DY amplitude and the contact interaction for various quark and lepton chiralities.

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