

Abstract Submitted
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Search for Narrow di-Muon Resonances in a Wide Mass Range

MICHAEL SCHMITT, Northwestern University, JANE NACHTMAN, FNAL, CDF COLLABORATION — A search for narrow di-muon resonances has been conducted with data collected by the CDF Collaboration. A very wide mass range is examined, extending from the J/ψ resonance to the highest reach of the Tevatron. An innovative statistical treatment is employed allowing a minimal reliance on simulations. Results are interpreted in a model-independent framework allowing limits to be placed on the production of Z' resonances of almost any mass.

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