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Searches for leptoquarks at D0

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We present recent results of searches for leptoquarks with the D0 detector at Tevatron.

Leptoquarks are exotic bosons which would mediate lepton-quark interactions as predicted in multiple extensions of the Standard Model, among which supersymmetry.

The D0 detector has recorded over 4 fb^{-1} of proton-antiproton collisions delivered by the Fermilab Tevatron collider. Operating at 1.96 TeV, the Tevatron remains at the energy frontier and is one of the best device to test theories beyond the Standard Model.

A summary of the latest searches for leptoquarks with the D0 experiment is presented in this talk, corresponding to an integrated luminosity from 1 to 2.5 fb^{-1} .

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