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Search for Same Sign Charge Dilepton Events and WZ resonances at the Tevatron

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We study same-charge dilepton events and WZ resonances at the Tevatron. Same sign dilepton events are rare in the standard model and could indicate new physics processes such as chargino neutralino production in super symmetric models. A model-independent search is presented. A second analysis in which examines both lepton + jets and fully leptonic final states are used to search for resonances decaying into a WZ pair and limits are placed based on the existence of such resonances.

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