



SPEAKER: Jadranka Sekaric
TITLE: **Study of the Dijet Invariant Mass in W+2jet candidate events by the D0 Collaboration**
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ABSTRACT

We present a study of the dijet invariant mass spectrum in events with two jets produced in association with a W boson in data corresponding to an integrated luminosity of 4.3 fb^{-1} collected with the D0 detector at $\sqrt{s}=1.96 \text{ TeV}$. As we do not find an evidence for anomalous resonant dijet production in the mass range 110-170 GeV, we derive upper limits on the production cross section of a dijet resonance reported by the CDF Collaboration.