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Spectroscopy of orbitally excited B mesons with the CDF detector

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We present a measurement of the properties of orbitally excited $L=1$ B mesons, using 10/fb of data collected by the CDF II detector. The masses, widths and relative production ratio times the branching fraction of the observed decays are determined for the two states $B_{1\pm}$ and $B_{2^{*}}$. The measurement is performed for excited B^0 , B^+ and B_s mesons separately.

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