

High Energy Physics - Experiment

Combination of CDF and D0 Results on the Width of the W boson

The [Tevatron Electroweak Working Group](#)*(Submitted on 14 Mar 2010)*

We summarize and combine direct measurements of the width of the W boson in data collected by the Tevatron experiments CDF and D0 at Fermilab. Results from CDF and D0 RunI (1992-1995) have been combined with the CDF 200 pb⁻¹ results from the first period of RunII (2001-2004) and the recent 1 fb⁻¹ result in the electron channel from D0 (2002-2006). The results are corrected for any inconsistencies in parton distribution functions and assumptions about electroweak parameters used in the different analyses. The resulting Tevatron average for the width of the W boson is $\Gamma_W = 2,046 \pm 49$.

Comments: 1 figure

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