

Abstract Submitted
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Event Generation for the Run 2 W Mass Measurement IAN VOLL-
RATH, University of Toronto, CDF COLLABORATION — An important contribu-
tion to the systematic uncertainty on the Run II W mass measurement comes from
the modelling of W boson production and decay. This source of uncertainty will be
one of the most significant in future high-statistics measurements. We describe the
event generation used for constructing templates for fitting the W mass, including
the relevant physics processes influencing the lineshapes of the fit variables. We
present systematic uncertainties deriving from the production model, including final
state photon radiation and p_T^W .

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