

Abstract Submitted  
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**W Boson Production Charge Asymmetry**<sup>1</sup> ASHLEY HUFF, SUSAN BLESSING, Florida State University — We present a measurement of W Boson Production Charge Asymmetry in PP(bar) collisions through  $W \rightarrow e-\nu_e$  decays. The collision of a u quark and a d(bar)quark will produce a W+ Boson while the collision of an u(bar) quark and a d quark will produce a W- Boson. These particles decay rapidly but we are able to measure their asymmetry by studying the resulting electrons and neutrinos. These results will be used to further constrain PDF fits and improve the accuracy of future predictions for new physics.

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