

D0 boson production and decay papers from Run II

http://www-d0.fnal.gov/d0_publications/d0_pubs_list_runII_bytopic.html#ew has all of our published results

http://www-d0.fnal.gov/results/publications_talks/thesis/EWK.html points to all D0 EWK theses (including those not in spires)

By topic

AFB-ee:

2008 PRL:

<http://arxiv.org/abs/0804.3220>

2011 PRD:

<http://arxiv.org/abs/1104.4590>

Thesis:

<http://lss.fnal.gov/archive/thesis/fermilab-thesis-2010-18.shtml>

WAsymmetry

2. [Measurement of the Muon Charge Asymmetry from W Boson Decays](#)

Published 1/23/08: Phys. Rev. D **77**, 011106 (2008), [arXiv.org:0709.4254](http://arxiv.org:0709.4254) [plots](#) 0.30

fb⁻¹

3. [Measurement of the Electron Charge Asymmetry in \$p\bar{p} \rightarrow W + X \rightarrow e\nu + X\$ Events at \$\sqrt{s} = 1.96\$ TeV](#)

Published 11/19/08: Phys. Rev. Lett. **101**, 211801 (2008), [arXiv.org:0807.3367](http://arxiv.org:0807.3367) [plots](#)

0.70 fb⁻¹

- . [A Precision measurement of the W boson decaying to muon-neutrino charge asymmetry at a center of mass energy of 1.96-TeV using the D0 detector.](#)

[Sinjini Sengupta](#) (Florida State U.). FERMILAB-THESIS-2006-54, UMI-32-32446. 2006. 152 pp.

[The Charge Asymmetry in W Bosons Production](#), D. Khatidze, Columbia University (2009)

Z pt

[Measurement of z boson transverse momentum in proton - anti-proton collisions at \$s^{**}\(1/2\) = 1.96\$ TeV.](#)

[Lei Wang](#) (Maryland U.). FERMILAB-THESIS-2007-37, UMI-32-60303. 2007. 142 pp.

Measurement of the Normalized $Z/\gamma^* \rightarrow \mu^+ \mu^-$ Transverse Momentum Distribution in $p\bar{p}$ Collisions

at $\sqrt{s} = 1.96$ TeV

Published 9/16/10: Phys. Lett. B **693**, 522 (2010), [arXiv.org:1006.0618](https://arxiv.org/abs/1006.0618) [plots](#) 1.0

fb^{-1}

Measurement of the Shape of the Boson-Transverse Momentum Distribution in $p\bar{p} \rightarrow Z/\gamma^* \rightarrow e^+ e^- + X$

Events Produced at $\sqrt{s} = 1.96$ TeV

Published 3/11/08: Phys. Rev. Lett. **100**, 102002 (2008), [arXiv.org:0712.0803](https://arxiv.org/abs/0712.0803) [plots](#)

1.0 fb^{-1}

Z rapidity

Measurement of the Shape of the Boson Rapidity Distribution for $p\bar{p} \rightarrow Z/\gamma^* \rightarrow e^+ e^- + X$ Events

Produced at $\sqrt{s} = 1.96$ TeV

Published 7/16/07: Phys. Rev. D **76**, 012003 (2007), [hep-ex/0702025](https://arxiv.org/abs/hep-ex/0702025) [plots](#) 0.40

fb^{-1}

Measurement of $1/\sigma d\sigma/dy$ for $Z/\gamma^* \rightarrow e^+ e^-$ at $s^{1/2} = 1.96$ TeV.

Ming Yan (Maryland U.). FERMILAB-THESIS-2007-04, UMI-32-60359. Mar 2007. 140 pp.