# Refereed Publications as Primary Author

## Matthew J Wetstein

V. M. Abazov, et al [D0 Collaboration], *Measurement of the W Boson Mass, Phys. Rev. Lett. 103, 141801 (2009)*

V. M. Abazov, et al [D0 Collaboration], *Direct Measurement of the W Boson Width, Phys. Rev. Lett. 103, 231802 (2009)*

V. M. Abazov, et al [D0 Collaboration], *A Novel Method for Modeling the Recoil in W Boson Events at Hadron Colliders, Nucl. Instrum. Methods in Phys. Res. Sect. A 609, 250 (2009)*

M. Wetstein [LAPPD Collaboration], *Development of Sub-Nanosecond, High Gain Structures For Time-Of-Flight Ring Imaging In Large Area Detectors, Nucl. Instrum. Methods in Phys. Res. Sect. A 639 (1), 148 (2010)*

Z. Insepov, V. Ivanov, S. Jokela, M. Wetstein, *Comparison of Back-Scattering Properties of Electron Emission Materials*, Proc. of Part. Accel. Conf., TUP005, p.1-3. (2011)

M. Wetstein [LAPPD Collaboration], *Systems-Level Characterization of Microchannel Plate Detector Assemblies, using a Pulsed sub-Picosecond Laser* Physics Procedia, Volume 37, 748–756 (2012);

A. Mane, et al [LAPPD Collaboration], *An Atomic Layer Deposition Method to Fabricate Economical and Robust Large Area Microchannel Plates for Photodetectors,* Physics Procedia, Volume 37, 722–732 (2012)

H. Grabas, et al [LAPPD Collaboratsion], *RF Strip-line Anodes for Psec Large-Area MCP-based Detectors,*
Nucl. Instrum. Methods in Phys. Res. Sect. A 712, 124-131 (2013)

B. Adams, et al [LAPPD Collaboration], *FEATURED ARTICLE: A Test Facility for Large-area Microchannel Plate Detector Assemblies Using a Pulsed sub-Psec Laser*, Rev. of Sci. Instrum 84, 061301 (2013)

I. Anghel, et al [ANNIE Collaboration], *Expression of Interest: The Atmospheric Neutrino Neutron Interaction Experiment,* submitted to the Fermilab Physics Advisory Committee (2014) arXiv:1402.6411

A. Elagin, H Frisch, M Wetstein, L Winslow, *Measuring Directionality in Double Beta Decay and Neutrino Interactions With Kiloton-Scale Scintillation Detectors*, J. Instrum 9 P06012 (2014) arXiv:1307.5813

B. Adams, et al, [LAPPD Collaboration], *Timing Characteristics of Large Area Picosecond Photodetectors*, draft in preparation for submission to Nucl. Instrum. Methods in Physics

I. Anghel, et al, *Photosensor Optimization of Large Water Cherenkov Neutrino Detectors*, draft in preparation for submission to Nucl. Instrum. Methods in Physics

I am also a co-author on 183 papers as a contributing member of the D0 collaboration, and 8 papers for my undergraduate contributions to diamond-based tracking detectors.