

# Publication List

Peter B. Denton

Updated: May 17, 2015<sup>1</sup>

## Published

- [1] P. B. Denton and T. J. Weiler, “The Fortuitous Latitude of the Pierre Auger Observatory and Telescope Array for Reconstructing the Quadrupole Moment,” *Astrophys.J.* **802** no. 1, (2015) 25, [arXiv:1409.0883](#) [[astro-ph.HE](#)].
- [2] L. A. Anchordoqui, P. B. Denton, H. Goldberg, T. C. Paul, M. da Silva, Luiz H. B. J. Vlcek, and T. J. Weiler, “Weinberg’s Higgs portal confronting recent LUX and LHC results together with upper limits on  $B^+$  and  $K^+$  decay into invisibles,” *Phys. Rev. D* **89** (Apr, 2014) 083513, [arXiv:1312.2547](#) [[hep-ph](#)].
- [3] P. B. Denton and T. J. Weiler, “Using integral dispersion relations to extend the LHC reach for new physics,” *Phys. Rev. D* **89** (Feb, 2014) 035013, [arXiv:1311.1248](#) [[hep-ph](#)].

## Preprint

- [1] P. B. Denton and T. J. Weiler, “Sensitivity of full-sky experiments to large scale cosmic ray anisotropies,” [arXiv:1505.03922](#) [[astro-ph.HE](#)].
- [2] N. Arsene, L. I. Caramete, P. B. Denton, and O. Micu, “Quantum Black Holes Effects on the Shape of Extensive Air Showers,” [arXiv:1310.2205](#) [[hep-ph](#)].

## Conference

- [1] **JEM-EUSO** Collaboration, P. B. Denton, L. A. Anchordoqui, A. A. Berlind, M. Richardson, and T. J. Weiler, “Sensitivity of orbiting JEM-EUSO to large-scale cosmic-ray anisotropies,” *J.Phys.Conf.Ser.* **531** (2014) 012004, [arXiv:1401.5757](#) [[astro-ph.IM](#)].

## Talks

- [1] “The effect of a maximum lepton energy on the stability of pions and cosmic ray physics.”. Talk given at the APS April meeting 2015 in Baltimore, MD.

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<sup>1</sup>For the latest version see: [peterdenton.github.io](#)

- [2] “Particle physics at the highest energies.”. Invited seminar December 2014 at the University of Wisconsin – Madison.
- [3] “Sensitivity of orbiting JEM-EUSO to large-scale cosmic-ray anisotropies.”. Talk given at the Cosmic Ray Anisotropy Workshop September 2013 in Madison, WI.
- [4] “Using dispersion relations to look for new physics in pp elastic scattering at the LHC.” <http://meetings.aps.org/link/BAPS.2013.APR.H12.8>. Talk given at the APS April meeting 2013 in Denver, CO.