

*Publications*

**Janet M. Conrad**

**Particle Physics Publications in Refereed Journals:**

- “Boosted Dark Matter at Neutrino Experiments,” L. Necib, J. Moon, T. Wongjirad, J. M. Conrad, arXiv:1610.03486 [hep-ph].
- “All-sky search for time-integrated neutrino emission from astrophysical sources with 7 years of IceCube data,” M. G. Aartsen *et al.* [IceCube Collaboration], arXiv:1609.04981 [astro-ph.HE].
- “First search for dark matter annihilations in the Earth with the IceCube Detector,” M. G. Aartsen *et al.* [IceCube Collaboration], arXiv:1609.01492 [astro-ph.HE].
- “Observation and Characterization of a Cosmic Muon Neutrino Flux from the Northern Hemisphere using six years of IceCube data,” M. G. Aartsen *et al.* [IceCube Collaboration], arXiv:1607.08006 [astro-ph.HE].
- “Constraints on ultra-high-energy cosmic ray sources from a search for neutrinos above 10 PeV with IceCube,” M. G. Aartsen *et al.* [IceCube Collaboration], arXiv:1607.05886 [astro-ph.HE].
- “Search for Sources of High Energy Neutrons with Four Years of Data from the IceTop Detector,” M. G. Aartsen *et al.* [IceCube Collaboration], arXiv:1607.05614 [astro-ph.HE].
- “First Constraints on the Complete Neutrino Mixing Matrix with a Sterile Neutrino,” G. H. Collin, C. A. Argelles, J. M. Conrad and M. H. Shaevitz, arXiv:1607.00011 [hep-ph], accepted to PRL.
- “All-flavour Search for Neutrinos from Dark Matter Annihilations in the Milky Way with IceCube/DeepCore,” M. G. Aartsen *et al.* [IceCube Collaboration], arXiv:1606.00209 [astro-ph.HE].
- “Neutrino oscillation studies with IceCube-DeepCore,” M. G. Aartsen *et al.*, Nucl. Phys. B **908**, 161 (2016).
- “Searches for Sterile Neutrinos with the IceCube Detector,” M. G. Aartsen *et al.* [IceCube Collaboration], arXiv:1605.01990 [hep-ex], Phys. Rev. Lett. **117**, no. 7, 071801 (2016).
- “Lowering IceCube’s Energy Threshold for Point Source Searches in the Southern Sky,” M. G. Aartsen *et al.* [IceCube Collaboration], [arXiv:1605.00163 [astro-ph.HE]]. Astrophys. J. **824**, L28, 2016.

- “Anisotropy in Cosmic-Ray Arrival Directions in the Southern Hemisphere with Six Years of Data from the IceCube Detector,” M. G. Aartsen *et al.* [IceCube Collaboration], arXiv:1603.01227 [astro-ph.HE], *Astrophys. J.* **826**, no. 2, 220 (2016).
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- “An All-Sky Search for Three Flavors of Neutrinos from Gamma-Ray Bursts with the IceCube Neutrino Observatory,” M. G. Aartsen *et al.* [IceCube Collaboration], arXiv:1601.06484 [astro-ph.HE], *Astrophys.J.* **824**, 115, 2016.
- “Sterile Neutrino Fits to Short Baseline Data,” G.H. Collin, C.A. Argelles, J.M. Conrad, M.H. Shaevitz, arXiv:1602.00671 [hep-ph], *Nucl.Phys.* B908 (2016) 354-365
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