

The limit plot contains the following data sets:

- 2015 The Pierre Auger Limit. <https://arxiv.org/abs/1504.05397v2> [3].
- 2016 IceCube Limit. <https://arxiv.org/abs/1607.05886> [2].
- 2015 IceCube Spectrum Data. <https://arxiv.org/abs/1507.03991> [1].
- 2010 ANITA-II Limit. <https://arxiv.org/abs/1003.2961> [6, 8].
- 2016 ARA2 Limit. <https://arxiv.org/abs/1507.08991> [4].
- 2015 ARIANNA HRA3 Limit. <https://arxiv.org/abs/1410.7352>. [5].
- 2012 Ahlers and Halzen models. <https://arxiv.org/abs/1208.4181>. [7].

Bibliography

References

- [1] M. G. Aartsen and et al. A Combined Maximum-likelihood Analysis of the High-energy Astrophysical Neutrino Flux Measured with IceCube. *Astrophysical Journal*, 809:98, August 2015.
- [2] M. G. Aartsen and et al. Constraints on Ultrahigh-Energy Cosmic-Ray Sources from a Search for Neutrinos above 10 PeV with IceCube. *Physical Review Letters*, 117(24):241101, December 2016.
- [3] A. Aab and et al. Improved limit to the diffuse flux of ultrahigh energy neutrinos from the Pierre Auger Observatory. *Physical Review D*, 91(9):092008, May 2015.
- [4] P. Allison, et al., and ARA Collaboration. Performance of two Askaryan Radio Array stations and first results in the search for ultrahigh energy neutrinos. *Physical Review D*, 93(8):082003, April 2016.

- [5] S. W. Barwick and et. al. A first search for cosmogenic neutrinos with the ARIANNA Hexagonal Radio Array. *Astroparticle Physics*, 70:12–26, October 2015.
- [6] P. W. Gorham, et al., and ANITA Collaboration. Erratum: Observational Constraints on the Ultra-high Energy Cosmic Neutrino Flux from the Second Flight of the ANITA Experiment. *ArXiv e-prints*, November 2010.
- [7] M. Ahlers and F. Halzen. Minimal cosmogenic neutrinos. *Physical Review D.*, 86(8):083010, October 2012.
- [8] P. W. Gorham, et al., and ANITA Collaboration. Observational constraints on the ultrahigh energy cosmic neutrino flux from the second flight of the ANITA experiment. *Physical Review D*, 82(2):022004, July 2010.

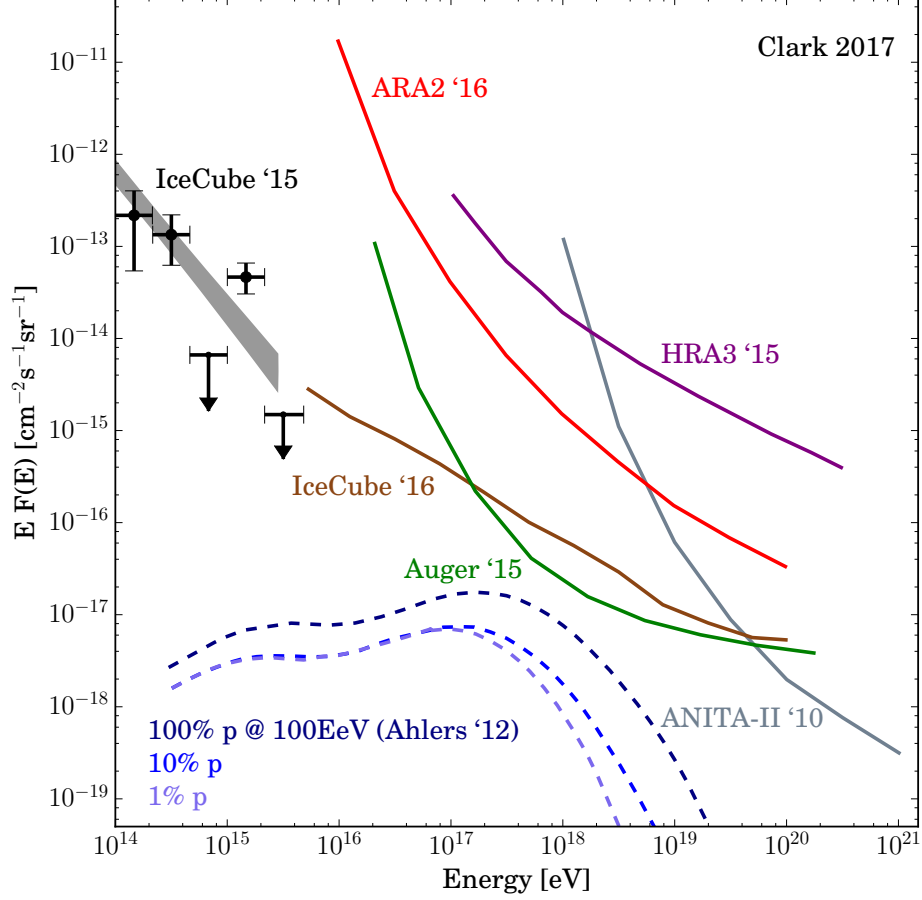


Figure 1: A plot of the latest published limits and flux measurements from various ultra-high energy neutrino experiments. The data and spectral fit are from IceCube [1, 2], Pierre Auger [3], ARA [4], ARIANNA [5], and ANITA-II [6]. The models (dashed line) are from Ahlers *et. al* [7]. The Auger limit is a single-flavor only measurement.