

Biographical Sketch for Erik Karl Blaufuss

Professional Preparation

University of California	Physics	BS, 1995
Louisiana State University	Physics	PhD, 2000
Thesis: "Study of the Energy Spectrum of Solar Neutrinos above 5.5 MeV"		
University of Maryland	Physics	Postdoc, 2000-2004

Appointments

Research Scientist, University of Maryland	2016-present
Associate Research Scientist, University of Maryland	2007-2016
Assistant Research Scientist, University of Maryland	2004-2007

Synergistic Activities

High School student intern host: Eleanor Roosevelt High School
Science fair judge: Prince George's County regional science fair

Products - Selected Publications

1. "High-energy Neutrino follow-up search of Gravitational Wave Event GW150914 with IceCube and ANTARES", S. Adrián-Martínez et al., Phys. Rev. D 93, 122010 (2016)
2. "The Detection of a SN IIn in Optical Follow-up Observations of IceCube Neutrino Events", M.G. Aartsen et al., (The IceCube, PanSTARRs, PTF and SWIFT Collaborations), ApJ, 811, 52 (2015)
3. "Evidence for Astrophysical Muon Neutrinos from the Northern Sky with IceCube", M.G. Aartsen et al., (The IceCube Collaboration), Phys.Rev.Lett. 115 081102 (2015)
4. "Atmospheric and astrophysical neutrinos above 1 TeV interacting in IceCube", M.G. Aartsen et al., (The IceCube Collaboration), Phys.Rev. D91 022001 (2015)
5. "Multimessenger search for sources of gravitational waves and high-

- energy neutrinos: Initial results for LIGO-Virgo and IceCube”, R. Abbasi et al., (The IceCube, LIGO and VIRGO Collaborations), Phys.Rev. D90 102002 (2014)
6. “Evidence for High-Energy Extraterrestrial Neutrinos at the IceCube Detector”, M.G. Aartsen et al., (The IceCube Collaboration), Science 342 1242856 (2013)
 7. “An absence of neutrino associated with cosmic-ray acceleration in gamma-ray bursts”, R. Abbasi et al., (The IceCube Collaboration), Nature, 484:351-353 (2012)
 8. “Measurement of the atmospheric neutrino energy spectrum from 100 GeV to 400 TeV with IceCube”, R. Abbasi et al., (The IceCube Collaboration), Phys.Rev. D83 (2011) 012001
 9. “Calibration and Characterization of the IceCube Photomultiplier Tube”, R. Abbasi et al., (The IceCube Collaboration), Nucl.Instrum.Meth. A618:139-152 (2010)
 10. “Search for muon neutrinos from Gamma-Ray Bursts with the IceCube neutrino telescope”, R. Abbasi et al., (The IceCube Collaboration), Astrophys.J.710:346-359 (2010)