NSF BIOGRAPHICAL SKETCH

NAME: Kieda, David

NSF ID: 000178978@nsf.gov
ORCID: 0000-0003-4785-0101

POSITION TITLE & INSTITUTION: Dean, The Graduate School, U. of Utah

(a) PROFESSIONAL PREPARATION

INSTITUTION	LOCATION	MAJOR / AREA OF STUDY	DEGREE (if applicable)	YEAR YYYY
Massachusetts Institute of Technology	Cambridge, MA	Physics	BS	1982
University of Pennsylvania	Philadelphia, PA	Physics	PHD	1989
University of Utah	Salt Lake City, UT	Physics and Astronomy	Postdoctoral Fellow	1989 - 2000

(b) APPOINTMENTS

2013 - present Dean, The Graduate School, U. of Utah, Salt Lake City, UT
2002 - present Professor , U. of Utah, Department of Physics and Astronomy, Salt Lake City, UT
2007 - 2013 Chair, Department of Physics and Astronomy, U. of Utah, Salt Lake City, UT
1996 - 2002 Associate Professor, U. of Utah, Department of Physics, Salt Lake City, UT
1990 - 1996 Assistant Professor, Department of Physics, U. of Utah, Salt Lake City, UT

(c) PRODUCTS

Products Most Closely Related to the Proposed Project

1. Adams C. et al., Detection of Crab Nebula with the 9.7 m Schwartzchild-Coulder Telescope. Astroparticle Physics. Forthcoming; Available from: arXiv:2012.08448
2. Benbow W, et al. Direct measurement of stellar angular diameters by the VERITAS Cherenkov telescopes. Nature Astronomy. 2019; 3(6):511-516. Available from: http://www.nature.com/articles/s41550-019-0741-z DOI: 10.1038/s41550-019-0741-z
3. Abeysekara A, et al. Demonstration of stellar intensity interferometry with the four VERITAS telescopes. Nature Astronomy. 2020 July 20; 4(12):1164-1169. Available from: http://www.nature.com/articles/s41550-020-1143-y DOI: 10.1038/s41550-020-1143-y
4. Davis J, Matthews N, Kieda D. ASIIP: a stellar intensity interferometry target planner. Journal of Astronomical Telescopes, Instruments, and Systems. 2020; 6(03):-. Available from: https://www.spiedigitallibrary.org/journals/Journal-of-Astronomical-Telescopes-Instruments-and-Systems/volume-6/issue-03/037001/ASIIP-a-stellar-intensity-interferometry-target-planner/10.1117/1.JATIS.6.3.037001.full DOI: 10.1117/1.JATIS.6.3.037001
5. Aartsen M et al. Multimessenger observations of a flaring blazar coincident with high-energy neutrino IceCube-170922A. Science. 2018 July 13; 361(6398):eaat1378-. Available from: https://www.sciencemag.org/lookup/doi/10.1126/science.aat1378 DOI: 10.1126/science.aat1378

Other Significant Products, Whether or Not Related to the Proposed Project

1. Abeysekara AU, et al. Extended gamma-ray sources around pulsars constrain the origin of the

positron flux at Earth. Science. 2017 Nov 17;358(6365):911-914. PubMed PMID: 29146808.

2. Acharya B, et al. Science with the Cherenkov Telescope Array. WORLD SCIENTIFIC; 2018 03. Available from: https://www.worldscientific.com/worldscibooks/10.1142/10986 DOI: https://doi.org/10.1142/10986
3. Holder J, et al. The first VERITAS telescope. Astroparticle Physics. 2006; 25(6):391-401. Available from: https://linkinghub.elsevier.com/retrieve/pii/S092765050600051X DOI: 10.1016/j.astropartphys.2006.04.002
4. Matthews N, Kieda D, LeBohec S. Development of a digital astronomical intensity interferometer: laboratory results with thermal light. Journal of Modern Optics. 2017 August 10; 65(11):1336-1344. Available from: https://www.tandfonline.com/doi/full/10.1080/09500340.2017.1360958 DOI: 10.1080/09500340.2017.1360958
5. Valverde J, et al. A Decade of Multiwavelength Observations of the TeV Blazar 1ES 1215+303: Extreme Shift of the Synchrotron Peak Frequency and Long-term Optical–Gamma-Ray Flux Increase. The Astrophysical Journal. 2020 March 17; 891(2):170-. Available from: https://iopscience.iop.org/article/10.3847/1538-4357/ab765d DOI: 10.3847/1538-4357/ab765d

(d) SYNERGISTIC ACTIVITIES

1. Service on the Particle Astrophysics and Gravitation (PAG) panel of the Astro 2020 Decadal Survey in Astronomy[2019-2020].
2. Co-founder and Executive Director of the University of Utah's Professional Master of Science Degree Program [2002-present]. The NPSMA affiliated program has graduated more than 250 Science Master's degrees at the University of Utah since its inception in 2002.
3. Co-director of the Consortium for Dark Skies (CDSS) [2015-present]. CDSS is a regional research consortium studying the interdisciplinary aspects of Dark Night Skies on astronomical observations, tourism, human health, urban planning, biological microclimates, air pollution, and quality of life.
4. Organizer of 2018 Meeting of the Four Corners Section of the American Physical Society [2016-2018], inlcuding a pre-conference workshop on negotiation skills for women in physics research, and an Industrial Forum session.
5. Service as mentor to West High School's Team 3006 First Robotics Competiton (FRC) Team [2008-2018] and Utah First Robotics External Advisory Board [2019-present]. FRC provides opportunities for students to learn collaboration and team building.