

# *Curriculum Vitae*

## **Peter T. Timbie**

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### **EDUCATION**

1979 B.A.: Harvard University  
1985 Ph.D.: Princeton University

### **EXPERIENCE**

1985-1987 Postdoctoral Fellow, Princeton University  
1987-1990 Postdoctoral Fellow, UC Berkeley  
1990-1996 Assistant Professor, Brown University  
1996-1997 Associate Professor, Brown University  
1997-2002 Associate Professor, University of Wisconsin  
2002- now Professor, University of Wisconsin

### **HONORS**

2016 UW-Madison Faculty Professional Development Grant  
2005-07 Vilas Associate  
2002 UW-Madison Faculty Professional Development Grant  
2001 Elected to UW Teaching Academy  
1990 NSF Presidential Young Investigator Award  
1986 Mellon Fellow, MIT Program in Science/Technology & Society  
1981 Garden State Graduate Fellowship

### **MEMBERSHIPS**

American Physical Society  
American Astronomical Society  
American Association of Physics Teachers  
Sigma Xi

### **RESEARCH INTERESTS**

observational cosmology, large-scale structure, superconductivity,  
microwave/mm-wave instrumentation, cryogenics,  
member Tianlai, HIRAX, QUBIC, and GBTHIM collaborations

## SELECTED PAPERS

1. Timbie, P. T., and Wilkinson, D. T., "A Search for Anisotropy in the Cosmic Microwave Radiation at Medium Angular Scales," *Ap. J.* **353**, 140 (1990).
2. Clapp, A. C., Devlin, M. J., Gundersen, J. O., Hagmann, C. A., Hristov, V. V., Lange, A. E., Lim, M. A., Lubin, P. M., Mausekopf, P. D., Meinhold, P. R., Richards, P. L., Smoot, G. F., Tanaka, S. T., Timbie, P. T., and Wuensche, C. A., "Measurements of Anisotropy in the Cosmic Microwave Background Radiation," *Ap. J. Lett.* **433**, 57 (1994).
3. Keating, B. G., O'Dell, C. W., de Oliveira-Costa, A., Klawikowski, S., Stebor, N., Piccirillo L., Tegmark, M., and Timbie, P. T. "A Limit on the Large Angular Scale Polarization of the Cosmic Microwave Background," *Ap. J. Lett.* **560**, L1 (2001).
4. Aguirre, J. E., Bezaire, J. J., Cheng, E. S., Cottingham, D. A., Cordone, S. S., Crawford, T. M., Fixsen, D. J., Knox, L., Meyer, S. S., Norgaard-Nielsen, H. U., Silverberg, R. F., Timbie, P., and Wilson, G. W. "The Spectrum of Integrated Millimeter Flux of the Magellanic Clouds and 30-Doradus from TopHat and DIRBE Data," *ApJ* **596**, 273 (2003).
5. Farese, P. C., Dall'Oglio, G., Gundersen, J. O., Keating, B. G., Klawikowski, S., Knox, L., Levy, A., Lubin, P. M., O'Dell, C. O., Peel, A., Piccirillo, L., Ruhl, J., and Timbie, P. T. "COMPASS: An Upper Limit on CMB Polarization at an Angular Scale of 20'," *ApJ* **610(2)**, 625 (2004).
6. Barrentine, E., Timbie, P., Stevenson, T. R., Ali, S., Allen, C. A., Brown, A. D., Cao, N. T., Chervenak, Denis, K. L., Hsieh, W-T., Miller, T. M., Moseley, S. H., Travers, D. E., U-Yen, K. and Wollack, E. J. "Design of a Transition-Edge Hot-Electron Microbolometer for Millimeter-wave Astrophysical Observations," *IEEE Trans. Appl. Superconductivity*, **19(3)**, 528 (2009).
7. Battistelli E., Bau A., Bennett D., et al. "QUBIC: The QU bolometric interferometer for cosmology," *Astroparticle Physics* **34(9)**, 705 (2011).
8. Masui, K., Lin, H-H, Sievers, J., Anderson, C. J., Chang, T-C, Chen, X., Ganguly, A., Jarvis, M., Kuo, C-Y, Li, Y-C, Liao, Y-W, McLaughlin, M., Pen, U-L, Peterson, J. B., Roman, A., Timbie, P. T., Voytek, T. & Yadav, J. K. "Dense magnetized plasma associated with a fast radio burst," *Nature*, **528(7583)**, 523 (2015).
9. Lowitz, A. E., Brown, A.-D., Mikula, V., Stevenson, T. R., Timbie, P. T., and Wollack, E. J. "Design, fabrication, and testing of a TiN/Ti/TiN Trilayer KID Array for 3 mm CMB Observations," *Journal of Low Temperature Physics* **184(3-4)**, 627 (2016).
10. Zhang, L., Bunn, E. F., Karakci, A., Korotkov, A., Sutter, P. M., Timbie, P. T., Tucker, G. S. & Wandelt, B. D. "Bayesian semi-blind component separation for foreground removal in interferometric 21-cm observations," *ApJS* **222(1)**, (2016).