# Monte Carlo Simulation and Analysis Framework for a CdZnTe-based Spherical Coded Aperture and Compton Gamma-ray Imager

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December 14, 2016

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### REFERENCES

- [1] M. Galloway and other, Nucl. Instrum. Methods A 652, 641 (2011).
- P. N. Luke, IEEE Trans. Nucl. Sci. 4, 207 (1995).
- [3] S. Agostinelli et al., (GEANT4 Collaboration), Nucl. Instrum. Methods A 506, 250 (2003).
- [4] R. Dicke, The Astrophysical Journal 153, 101 (1968).
- E. E. Fenimore and T. M. Cannon, Applied Optics 17, 3 (1978).
- [6] K. Lange and R. Carson, Journal of Computer Assisted Tomography 8(2), 306 (1984).
- [7] C. Wahl, Ph.D. Thesis, University of Michigan (2011).
- [8] L. A. Shepp and Y. Vardi, IEEE Trans. Med. Imag. 1, 113 (1982).
- [9] N. Bissantz, B. A. Mair, and A. Munk, IEEE NSS Conference Record , 3376 (2006).
- [10] C. E. Lehner, Ph.D. Thesis, University of Michigan (2004).
- [11] A. Haefner, D. Gunter, R. Barnowski, and K. Vetter, IEEE Trans. on Nucl. Sci. 62, 1911 (2015).
- [12] K. Gorski et al., The Astrophysical Journal 662, 759 (2005).
- [13] R. Barnowski, A. Haefner, L. Mihailescu, and K. Vetter, Nucl. Instrum. Methods A 800, 65 (2015).