

Publications

Jeremy I. McCormick

March 2023

Journal Articles

- Chytrcek, R., McCormick, J., Pokorski, W., & Santin, G. (2006). Geometry description markup language for physics simulation and analysis applications. *IEEE Transactions on Nuclear Science*, 53(5). <https://cds.cern.ch/record/1023367/files/cer-002682496.pdf>
- Dyshkant, A., Beznosko, D., Blazey, G., Chakraborty, D., Francis, K., Kubik, D., Lima, J. G., Rykalin, V., Zutshi, Baldina, E., Bross, A., Deering, P., Nebel, T., Pla-Dalmau, A., Schellpfeffer, J., Serritella, C., & Zimmerman, J. (2005). About NICADD extruded scintillating strips. *FERMILAB-PUB-05-010-E*. <https://www.osti.gov/biblio/15017182>
- Dyshkant, A., Beznosko, D., Blazey, G., Chakraborty, D., K Francis1, D. K., Lima, J. G., Martin, M. I., McCormick, J., Rykalin, V., & Zutshi, V. (2004). Small scintillating cells as the active elements in a digital hadron calorimeter for the e+e linear collider detector. *Journal of Physics G: Nuclear and Particle Physics*, 30(9). <https://iopscience.iop.org/article/10.1088/0954-3899/30/9/N01>
- Graf, N., & McCormick, J. (2015). LCDD: A complete detector description package. *Nuclear Instruments and Methods in Physics Research Section A: Accelerators, Spectrometers, Detectors and Associated Equipment*, 789, 86–94. <https://www.sciencedirect.com/science/article/pii/S0168900215004374>

Conference Proceedings

- Beznosko, D., Blazey, G., Chakraborty, D., Dyshkant, A., Francis, K., Kubik, D., Lima, J. G. R., McCormick, J., McIntosh, R., Rykalin, V., & Zutshi, V. (2005a). LCDG4 and DigiSim - Simulation activities at NICADD/NIU. *LCWS05 conference proceedings*. <https://doi.org/10.48550/ARXIV.PHYSICS/0507204>
- Beznosko, D., Blazey, G., Chakraborty, D., Dyshkant, A., Francis, K., Kubik, D., Lima, J. G. R., McCormick, J., McIntosh, R., Rykalin, V., & Zutshi, V. (2005b). LCDG4 and DigiSim: Simulation Activities at NICADD/NIU. *Linear Collider Workshop (LCWS) 2005*.

- Graf, N., & McCormick, J. (2006). Simulator For The Linear Collider (SLIC): A Tool For ILC Detector Simulations. *12th International Conference on Calorimetry in High Energy Physics (CALOR06)*. <https://www.slac.stanford.edu/cgi-bin/getdoc/slac-pub-12350.pdf>
- McCormick, Jeremy. (2005). Full Detector Simulation using SLIC and LCDD. *Linear Collider Workshop (LCWS) 2005*. <https://www.slac.stanford.edu/cgi-bin/getdoc/slac-pub-11418.pdf>

Physics Collaborations

- Åkesson, T., Berlin, A., Blinov, N., Colegrove, O., Collura, G., Dutta, V., Echenard, B., Hiltbrand, J., Hitlin, D. G., Incandela, J., Jaros, J., Johnson, R., Krnjaic, G., Mans, J., Maruyama, T., McCormick, J., Moreno, O., Nelson, T., Niendorf, G., ... Whitbeck, A. (2018). Light Dark Matter eXperiment (LDMX). <https://arxiv.org/abs/1808.05219>
- Åkesson, T., Blinov, N., Bryngemark, L., Colegrove, O., Collura, G., Dutta, C. D. V., Echenard, B., Eichlersmith, T., Group, C., Hiltbrand, J., Hitlin, D. G., Incandela, J., Krnjaic, G., Lazaro, J., Li, A., Mans, J., Masterson, P., McCormick, J., Moreno, O., ... Whitbeck, A. (2019). A High Efficiency Photon Veto for the Light Dark Matter eXperiment. <https://arxiv.org/abs/1912.05535>
- Balossino, I., Baltzell, N., Battaglieri, M., Bondi, M., Buchanan, E., Calvo, D., Celentano, A., Charles, G., Colaneri, L., D'Angelo, A., Napoli, M. D., Vita, R. D., Dupré, R., Egiyan, H., Ehrhart, M., Filippi, A., Garçon, M., Gevorgyan, N., Girod, F.-X., ... Weinstein, L. (2017). The HPS electromagnetic calorimeter. *Nuclear Instruments and Methods in Physics Research Section A: Accelerators, Spectrometers, Detectors and Associated Equipment*, 854, 89–99. <https://doi.org/10.1016%2Fj.nima.2017.02.065>
- Baltzell, N., Battaglieri, M., Bondi, M., Boyarinov, S., Bravo, C., Bueltmann, S., Burkert, V., Butti, P., Cao, T., Carpinelli, M., Celentano, A., Charles, G., Cuevas, C., D'Angelo, A., D'Urso, D., Dashyan, N., De Napoli, M., De Vita, R., Deur, A., ... Voskanyan, H. (2022). The Heavy Photon Search Experiment. <https://arxiv.org/abs/2203.08324>
- Battaglieri, M., Boyarinov, S., Bueltmann, S., Burkert, V., Celentano, A., Charles, G., Cooper, W., Cuevas, C., Dashyan, N., DeVita, R., Desnault, C., Deur, A., Egiyan, H., Elouadrhiri, L., Essig, R., Fadeyev, V., Field, C., Freyberger, A., Gershtein, Y., ... Wojtsekhowski, B. (2015). The Heavy Photon Search test detector. *Nuclear Instruments and Methods in Physics Research Section A: Accelerators, Spectrometers, Detectors and Associated Equipment*, 777, 91–101. <https://www.sciencedirect.com/science/article/pii/S0168900214014582>

Miscellaneous

Burrows, P., et al. (2009). SiD Letter of Intent. <https://arxiv.org/pdf/0911.0006.pdf>