

Clarke Hardy

Ph.D. Student in Physics, admitted Autumn 2019

Publications

PUBLICATIONS

- **An integrated online radioassay data storage and analytics tool for nEXO** *NUCLEAR INSTRUMENTS & METHODS IN PHYSICS RESEARCH SECTION A-ACCELERATORS SPECTROMETERS DETECTORS AND ASSOCIATED EQUIPMENT*
Tsang, R. M., Piepke, A., Al Kharusi, S., Angelico, E., Arnquist, I. J., Atencio, A., Badhrees, I., Bane, J., Belov, V., Bernard, E. P., Bhat, A., Bhatta, T., Bolotnikov, et al
2023; 1055
- **A next-generation liquid xenon observatory for dark matter and neutrino physics** *JOURNAL OF PHYSICS G-NUCLEAR AND PARTICLE PHYSICS*
Aalbers, J., AbdusSalam, S. S., Abe, K., Aerne, Agostini, F., Maouloud, S., Akerib, D. S., Akimov, D. Y., Akshat, J., Al Musalhi, A. K., Alder, F., Alsum, S. K., Althueser, L., et al
2023; 50 (1)
- **Performance of novel VUV-sensitive Silicon Photo-Multipliers for nEXO** *EUROPEAN PHYSICAL JOURNAL C*
Gallina, G., Guan, Y., Retiere, F., Cao, G., Bolotnikov, A., Kotov, I., Rescia, S., Soma, A. K., Tsang, T., Darroch, L., Brunner, T., Bolster, J., Cohen, et al
2022; 82 (12)
- **Development of a Xe-127 calibration source for nEXO** *JOURNAL OF INSTRUMENTATION*
Lenardo, B. G., Hardy, C. A., Tsang, R. M., Ondze, J., Piepke, A., Triambak, S., Jamil, A., Adhikari, G., Al Kharusi, S., Angelico, E., Arnquist, I. J., Belov, Bernard, E. P., et al
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- **nEXO: neutrinoless double beta decay search beyond 10(28) year half-life sensitivity** *JOURNAL OF PHYSICS G-NUCLEAR AND PARTICLE PHYSICS*
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2022; 49 (1)
- **Projected sensitivities of the LUX-ZEPLIN experiment to new physics via low-energy electron recoils** *PHYSICAL REVIEW D*
Akerib, D. S., Al Musalhi, A. K., Alsum, S. K., Amarasinghe, C. S., Ames, A., Anderson, T. J., Angelides, N., Araujo, H. M., Armstrong, J. E., Arthurs, M., Bai, X., Balajthy, J., Balashov, et al
2021; 104 (9)
- **Velocity independent constraints on spin-dependent DM-nucleon interactions from IceCube and PICO** *EUROPEAN PHYSICAL JOURNAL C*
Aartsen, M. G., Ackermann, M., Adams, J., Aguilar, J. A., Ahlers, M., Ahrens, M., Alispach, C., Andeen, K., Anderson, T., Anseau, I., Anton, G., Argueelles, C., Auffenberg, et al
2020; 80 (9)
- **Data-driven modeling of electron recoil nucleation in PICO C3F8 bubble chambers** *PHYSICAL REVIEW D*
Amole, C., Ardid, M., Arnquist, I. J., Asner, D. M., Baxter, D., Behnke, E., Bressler, M., Broerman, B., Cao, G., Chen, C. J., Chen, S., Chowdhury, U., Clark, et al
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- **Dark matter search results from the complete exposure of the PICO-60 C3F8 bubble chamber** *PHYSICAL REVIEW D*
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