



Rory O'Dwyer

Ph.D. Student in Physics, admitted Autumn 2020

 Curriculum Vitae available Online

Publications

PUBLICATIONS

- **Measurement of the LCLS-II dark current using the LDMX trigger scintillator prototype** *NUCLEAR INSTRUMENTS & METHODS IN PHYSICS RESEARCH SECTION A-ACCELERATORS SPECTROMETERS DETECTORS AND ASSOCIATED EQUIPMENT*
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- **First displaced vertex search for electroproduced dark-sector strongly interacting massive particles by the HPS experiment** *PHYSICAL REVIEW D*
Adrian, P. H., Baltzell, N. A., Battaglieri, M., Bondi, M., Boyarinov, S., Bravo, C., Bueltmann, S., Butti, P., Burkert, V. D., Calvo, D., Cao, T., Carpinelli, M., Celentano, et al
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- **Sensitivity of an early dark matter search using the electromagnetic calorimeter as a target for the Light Dark Matter eXperiment** *JOURNAL OF HIGH ENERGY PHYSICS*
Akesson, T., Berzin, E., Bravo, C., Brennan, L., Bryngemark, L., Butti, P., Delzanno, F., Dukes, E., Dutta, V., Echenard, B., Ehrlich, R., Eichlersmith, T., Elen, et al
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- **The Double Bubble Problem in the Hexagonal Norm** *JOURNAL OF GEOMETRIC ANALYSIS*
Duncan, P., O'Dwyer, R., Procaccia, E. B.
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- **Stepping Stone Problem on Graphs** *MATHEMATICS ENTHUSIAST*
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- **Photon-rejection power of the Light Dark Matter eXperiment in an 8 GeV beam** *JOURNAL OF HIGH ENERGY PHYSICS*
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- **Discrete l(1) Double Bubble Solution is at Most Ceiling Plus Two of the Continuous Solution** *DISCRETE & COMPUTATIONAL GEOMETRY*
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2023
- **An Elementary Proof for the Double Bubble Problem in ℓ_1 Norm** *Journal of Geometric Analysis*
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- **Direct fusion measurement of the 8B proton-halo nucleus at near-barrier energies** *Physics Letters B*
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- **Beta-delayed charged-particle spectroscopy using TexAT** *NUCLEAR INSTRUMENTS & METHODS IN PHYSICS RESEARCH SECTION A-ACCELERATORS SPECTROMETERS DETECTORS AND ASSOCIATED EQUIPMENT*

Bishop, J., Rogachev, G. V., Ahn, S., Aboud, E., Barbui, M., Baron, P., Bosh, A., Delagnes, E., Hooker, J., Hunt, C., Jayatissa, H., Koshchiy, E., Malecek, et al
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- **Texas Active Target (TexAT) detector for experiments with rare isotope beams** *NUCLEAR INSTRUMENTS & METHODS IN PHYSICS RESEARCH SECTION A-ACCELERATORS SPECTROMETERS DETECTORS AND ASSOCIATED EQUIPMENT*

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