

## Dr. Bruce Cleveland Publication List

Measurement of the scintillation time spectra and pulse-shape discrimination of low-energy  $\beta$  and nuclear recoils in liquid argon with DEAP-1, P.-A. Amaudruz et al. (72 authors), *Astropart. Physics* 85 1–23 (2016).

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First search for Lorentz and CPT violation in double beta decay with EXO-200, J. B. Albert et al. (90 authors), *Phys. Rev. D* 93 072001–072006 (2016).

A rope-net support system for the liquid scintillator detector for the SNO+ experiment, A. Bialek et al. (17 authors), *Nucl. Instrum. Meth. A* 827 152–160 (2016).

An optimal energy estimator to reduce correlated noise for the EXO-200 light readout, C. G. Davis et al. (86 authors), *J. Inst.* 11 P07015 (2016).

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7

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Search for  $2\nu\beta\beta$  decay of  $^{136}\text{Xe}$  to the  $0^+_{1\text{ excited}}$  state of  $^{136}\text{Ba}$  with EXO-200, J. B. Albert et al. (90 authors), *Phys. Rev. C* 93 035501–035510 (2015).

Improved measurement of the  $2\nu\beta\beta$  half-life of  $^{136}\text{Xe}$  with the EXO-200 Detector, J. B. Albert et al. (98 authors), *Phys. Rev. C* 89 015502-1–29 (2014).

A search for astrophysical burst signals at the Sudbury Neutrino Observatory, B. Aharmim et al. (127 authors), *Astropart. Phys.* 55 1–7 (2014).

Search for Majorana neutrinos with the first two years of EXO-200 data, J. B. Albert et al. (93 authors), *Nature* 510 229–234 (2014).

An apparatus to manipulate and identify individual Ba ions from bulk liquid Xe, K. Twelker et al. (80 authors), *Rev. Sci. Instrum.* 85 095114–095126 (2014).

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