

**Selected Publications
of
Robert D. Bent**

Pair Spectrometer Measurements of the Radiations from Excited States of Light Nuclei, R. D. Bent, T. W. Bonner, and R. F. Sippel, *Physical Review*, 98, 1237 (1955). The first of five papers published on my doctoral work at Rice University.

Search for Electric Monopole Pairs from the 7.6-MeV State in C^{12} , T. H. Kruse and R. D. Bent, *Physical Review*, 112, 931 (1958). One of six papers published on work done as a post doc at Columbia University.

Doppler Shift Lifetime Measurements in ^{24}Mg , ^{26}Mg , and ^{28}Si , S. W. Robinson and R. D. Bent, *Physical Review*, 168, 1266, (1968). One of twelve papers published at Indiana University from 1961-1976.

Positive Pion Production by 160-MeV Protons on ^{90}Zr and ^{208}Pb , R. D. Bent, P. T. Debevec, P. H. Pile, R. E. Pollock, R. W. Marrs, and M. C. Green, *Physical Review Letters*, 40, 495, (1978). First detection of pions produced at the new Indiana University Cyclotron Facility (IUCF). One of 30 papers on pion production at IUCF and at the Tri-University Meson Facility (TRIUMF) in Vancouver, Canada from 1978-1996.

Microscopic Description of the $A(p,\pi^+)A+1$ Reaction, P. W. F. Alons, R. D. Bent, J. S. Conte, and M. Dillig, *Nuclear Physics A*480, 413-468, (1988). One of four papers on a theoretical model for pion production published from 1988-1992.

Measurements of High Momentum Transfer Reactions by Recoil Detection at a Cooler Ring, E. R. Jacobsen, R. E. Segel, R. D. Bent, et al., *Nuclear Instruments and Methods in Physics Research*, A371, 439 (1996). Last of my papers on pion production at the Indiana University Cyclotron Facility (IUCF).