

Current Rapid Communications

Rapid Communications in Physical Review are short reports of important new work which are of sufficient interest to be given priority handling in the publication process. The following papers have been accepted for publication as Rapid Communications and appear as indicated in the designated Physical Review issues.

Physical Review C, Vol. 59, June 1999, Issue 6

Proton emission from the closed neutron shell nucleus ^{155}Ta	
..... J. Uusitalo, C.N. Davids, P.J. Woods, D. Seweryniak, A. A. Sonzogni, J.C. Batchelder, C.R. Bingham, T. Davinson, J. deBoer, D.J. Henderson, H.J. Maier, J.J. Ressler, R. Slinger, and W.B. Walters	R2975
Proton and α radioactivity below the $Z = 82$ shell closure	
..... G.L. Poli, C.N. Davids, P.J. Woods, D. Seweryniak, J.C. Batchelder, L.T. Brown, C.R. Bingham, M.P. Carpenter, L.F. Conticchio, T. Davinson, J. DeBoer, S. Hamada, D.J. Henderson, R.J. Irvine, R. V.F. Janssens, H.J. Maier, L. Müller, F. Soramel, K.S. Toth, W.B. Walters, and J. Wauters	R2979
Identification of a proton-emitting isomer in ^{151}Lu	
..... C.R. Bingham, J.C. Batchelder, K. Rykaczewski, K.S. Toth, C.-H. Yu, T.N. Ginter, C.J. Gross, R. Grzywacz, M. Karny, S.H. Kim, B.D. MacDonald, J. Mas, J.W. McConnell, P.B. Semmes, J. Szerypo, W. Weintraub, and E.F. Zganjar	R2984
High-spin states in ^{205}Rn : A new shears band structure?	
..... J.R. Novak, C.W. Beausang, N. Amzal, R.F. Casten, G. Cata Danil, J.F.C. Cocks, J.R. Cooper, P.T. Greenlees, F. Hannachi, K. Helariutta, P. Jones, R. Julin, S. Juutinen, H. Kankaanpää, H. Kettunen, R. Krüken, P. Kuusiniemi, M. Leino, B. Liu, M. Muikku, A. Savelius, T. Socci, T.J. Thomas, N.V. Zamfir, Jing-ye Zhang, and S. Frauendorf	R2989
Isotopic effect in ϕ photoproduction at a few GeV	A.I. Titov, T.-S.H. Lee, and H. Toki R2993
Rotational invariance in nuclear light-front mean field theory	P.G. Blunden, M. Burkhardt, and G.A. miller R2998
Evidence for the fourth P_{11} resonance predicted by the constituent quark model	
..... Simon Capstick, T.-S.H. Lee, W. Roberts, and A. Švarc	R3002
Application of the density matrix renormalization group to the two level pairing model	
..... J. Dukelsky and G.G. Dussel	R3005