

List of Publications

Articles:

1. V.V. Kuz'minov, V.M.Novikov, B.V.Pritichenko, A.A.Pomansky, P.Povinec and R.Janik "Characteristics of a High Pressure, Low Background Proportional Counter" NIM **B17** (1986) 452.
2. P. I. Golubnichii, V.V.Kuz'minov, G.I.Merzon, B.V.Pritychenko, A.D.Filonenko, V.A.Tsarev and A.A.Tsarik "Correlated Neutron and Acoustic Emission from a Deuterium-Saturated Palladium Target" Sov. J. JETP Lett. **53** (1991) 122.
3. B. V. Pritychenko "Dark Matter in the Universe" NIM **A314** (1992) 390.
4. V. V. Kuz'minov, V.M.Novikov, A.A.Pomansky, B.V.Pritychenko, C.Saenz, E.Garsia, A.Morales, J.Morales, R.Nunez-Lagos, A.Ortiz de Solorzano, J.Puimedon, A.Salinas, M.L.Sarsa and J.A.Villar "Radioactive Kr-85 in Krypton Enriched with a Light Isotope" Sov. J. Atomnaya Energiya **73** (1992) 499.
5. V. V. Kuz'minov, V.M.Novikov, A.A.Pomansky, B.V.Pritychenko, C.Saenz, E.Garsia, A.Morales, J.Morales, R.Nunez-Lagos, A.Ortiz de Solorzano, J.Puimedon, A.Salinas, M.L.Sarsa and J.A.Villar "Cylindrical Ionization Chamber with Compressed Krypton" Sov. J. Prib. Tekh. Eksper. **36** (1993) 103.
6. P. D. Barnes, Jr., A.DaSilva, E.Aubourg, D.S.Akerib, D.Bauer, D.Borden, B.Cabrera, D.O.Caldwell, B.Chug, A.Cummings, B.L.Dougherty, J.Emes, M.Gray, D.Hale, E.E.Haller, K.D.Irwin, A.E.Lange, A.Lu, S.Margulies, M.J.Penn, A.A.Pomansky, B.V.Pritychenko, R.R.Ross, B.Sadoulet, T.Shutt, A.Smith, W.Stockwell, J.Taylor, S.White, M.Whitherell, R.C.Wolgast, S.Yellin and B.A.Young "The First Cryogenic Dark Matter Experiment" J. Low Temperature Physics **93** (1993) 791.
7. C. Saenz, E.Serezo, E.Garsia, A.Klimenko, V.V.Kuz'minov, N.Metlinsky, A.Morales, J.Morales, V.M.Novikov, R.Nunez-Lagos, A. Ortiz de Solorzano, A.A.Pomansky, B.V.Pritychenko, J.Puimedon, A.Salinas, M.L.Sarsa and J.A.Villar "Results of the ^{78}Kr Experiment" Nucl. Phys. B (Proc. Suppl.) **35** (1994) 363.
8. C. Saenz, E.Cerezo, E.Garsia, A.Morales, J.Morales, R.Nunez-Lagos, A.Ortiz de Solorzano, J.Puimedon, A.Salinas, M.L.Sarsa, J.A.Villar, A.Klimenko, V.Kuz'minov, N.Metlinsky, V.Novikov, A.Pomansky and B.Pritychenko "Results of a Search for Double Beta Decay and Electron-Positron Conversion of ^{78}Kr " Phys. Rev. **C50** (1994) 1170.
9. A. Da Silva, B.Pritychenko, B.L.Dougherty, M.Gray, A.Lu, A.Smith, D.S.Akerib, D.Bauer, B.Cabrera, D.O.Caldwell, R.E.Lanou, B.Sadoulet and S.Yellin "Neutron Background for a Dark Matter Experiment at a Shallow Depth Site" NIM **A354** (1995) 553.
10. C. Saenz, J.Morales, J.A.Villar, A.Morales, J.Puimedon, A.Ortiz de Solorzano, E.Garsia, R.Nunez-Lagos, A.Salinas, M.L. Sarsa, V.Kuz'minov, A.Klimenko, N.Metlinsky, V.Novikov, A.Pomansky and B.Pritychenko "An Ionization Chamber for Coincidence Experiments in a Search for Double Beta Positron Decay and Electron Positron Conversion of ^{78}Kr " NIM **A356** (1995) 220.

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13. B.Pritychenko, A.DaSilva, A.Smith, P.D.Barnes,Jr. and B.Sadoulet "Experimental Measurements with LiF(W) Scintillator" NIM **A396** (1997)371.
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16. P.D.Cottle, M.Fauerbach,T.Glasmacher, R.W.Ibbotson, K.W.Kemper, B. Pritychenko, H. Scheit, M.Steiner " The $0^+ \rightarrow 2^+$ Transition in ^{38}Ca and Isospin Symmetry in $A=38$ Nuclei" Phys. Rev. **C 60** (1999) 031301(R).
17. B.V.Pritychenko, T.Glasmacher, P.D.Cottle, M.Fauerbach, R.W.Ibbotson, K.W.Kemper, V. Maddalena, A.Navin, R.Ronningen, A.Sakharuk, H.Scheit and V.G.Zelevinsky "Role of Intruder Configurations in $^{26,28}\text{Ne}$ and $^{30,32}\text{Mg}$ " Phys. Lett. **B461** (1999) 322.
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41. "Intermediate-Energy Coulomb Excitation of $^{18}\text{F}_{g.s.}$ and Its $J^\pi 5^+$ Isomer $^{18}\text{F}^m$," J.A. Zimmerman, H.C. Griffin, F.D. Becchetti, D.A. Roberts, M.-Y. Lee, T.W. O'Donnell, J.A. Brown, R.M. Ronningen, T. Glasmacher, R.W. Ibbotson, H. Scheit, B. Pritychenko, D.W. Anthony, P.A. Lofy, M. Steiner (to be submitted to *Phys. Rev. C* 2002)

Proceedings:

1. A.S.Barabash, A.A.Klimenko, V.V.Kuz'minov, V.M.Lobashev, V.M.Novikov, B.M.Ovchinnikov, S.B.Osetrov, A.A.Pomansky, B.V.Pritychenko, A.A.Smol'nikov, S.I.Vasil'ev "Double-Beta Decay at the Baksan Neutrino Observatory" Proc. Neutrino Mass and Related Topics, Tokyo, Japan, March (1987).
2. V.V. Kuz'minov, A.A.Pomansky and B.V.Pritychenko "Baksan Multielemental Proportional Counter for the Search of Dark Matter" Proc. 24, Rencontre de Moriond, January (1989) 223.
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5. D.Bazin, N.Alahari, B.Blanck, J.E.Bush, J.A.Caggiano, L.Chen, B.Davids, T.Glasmacher, K.Govaert, V.Guimares, P.G.Hansen, R.W.Ibbotson, D.Karnes, J.J.Kolata, V.Maddalena, B.Pritychenko, H.Scheit, B.Sherill " Measurement of Parentage in Stripping Reactions of Halo Nuclei" Proc. ENAM 98, Bellaire (1998) 272.
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7. First Excited States in Neutron-Rich Neon and Sodium Isotopes; B.V. Pritychenko, T. Glasmacher, R.W. Ibbotson, H. Scheit, P.D. Cottle, and K.W. Kemper, in

Proceedings of the Conference on Fission and Neutron-Rich Nuclei, St. Andrews, Great Britain, June 28-July 3, 1999, edited by J.H. Hamilton, W.R. Phillips, and H.K. Carter; (World Scientific Publishing, Singapore, 2000), p. 393

Unpublished:

1. V.V. Kuzminov, B.V. Pritychenko "Low-background gaseous detectors for dark matter search" INR 88-40 (1988).
2. B.V.Pritychenko "Neutron Production by Muons" DKM59, June 1992.