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Memo CP-D/496

Date: 12 December 2007
To: Distribution
From: S.Babykina, S.Dunaeva
Subject: **Results of reference checking**

Recently, Svetlana Babykina and I checked all references with experimental data which were used for an evaluation work performed by Dr. C.H.M. Broeders and Dr. A.Yu. Konobeyev.

The results of this evaluation were published in Applied Radiation and Isotopes 65 (2007) 1249–1264.

We noticed that all experimental data used for the evaluations are included in EXFOR. During their work on evaluation I got several e-mails from Dr. Konobeyev with compilation requests and remarks on EXFOR quality.

All required data were compiled or corrected in time by our NRDC community and were used in the evaluation.

This is a good example of a fruitful collaboration between compilers and evaluators.

References:

1.	Aleksandrov, V. N., Semyonova, M. P., Semyonov, V. G	Atomnaya Energiya 62, 411, 1987.	A0351
2.	Brinkman, G. A., Helmer, J., Lindner, L.	Phys. Rev. Lett. 28, 9, 1977.	D0162
3.	Cohen, B. L., Newman, E	Phys. Rev. 99, 718, 1955.	B0050
4.	Cohen, B. L., Newman, E., Charpie, R. A., Handley, T. H.	Phys. Rev. 94, 620, 1954.	B0072
5.	Colle, R., Kishore, R., Cumming, J. B.	J. Inorg. Nucl. Chem. 38, 23, 1976.	B0059
6.	Deptula, C., Kim, S. H., Knotek, O., Mikolajewski, S., Popinenkova, L. M., Rurarz, E., Zaitseva, N. G.	Nukleonika 35, 63, 1990.	A0572
7.	De Villiers, D., Nortier, M., Richter W.	Appl. Rad. Isot. 57, 907, 2002.	O1022
8.	Diksic, M., Yaffe, L.	J. Inorg. Nucl. Chem. 39, 1299, 1977.	B0081
9.	Ejnisman, R., Goldman, I. D., Pascholati, P. R., da Cruz, M. T. F., Oliveira, R. M., Norman, E. B., Zlimen, I., Wietfeldt, F. E., Larimer, R. M., Chan, Y. D., Lesko, K. T., Garcia, A.	Phys. Rev. C 54, 2047, 1996.	C0438

10.	Ewart, H. A., Blann, M.	Priv. com. 1960.	C1012
11.	Furukawa, M., Shinohara, A., Narita, M., Kojima, S.	Univ. Tokyo, Inst. Nucl. Study, Annual Report 1989, p. 32, 1990.	E1864
12.	Furukawa, M., Shinohara, A., Narita, M., Kojima, S.	Univ. Tokyo, Inst. Nucl. Study, Annual Report 1990, p. 35, 1991.	E1865
13.	Gadioli, E., Gadioli-Erba, E., Hogan, J. J., Burns, K. I.	Z. Phys. A 301, 289, 1981.	D4060
14.	Ghoshal, S. N.	Phys. Rev. 80, 939, 1950.	B0017
15.	Grant, G. R., Yaffe, L.	1963. Can. J. Chem. 41, 2533	C0403
16.	Grutte, A.	Nucl. Phys. A 383, 98, 1982.	A0178
17.	Gusakow, M., Albouy, G., Poffe, N., Riehl, C.	J. de Physique et le Radium 22, 636, 1961.	P0032
18.	Haasbroek, F. J., Steyn, J., Neirinckx, R. D., Burdzik, G. F., Cogneau, M., Wanet, P.	Report Council f. Scient. and Indust. Res., Pretoria, CSIR-FIS-89, 1976.	B0098
19.	Hassan, H. E., Qaim, S. M., Shubin, Yu., Azzam, A., Morsy, M., Coenen, H. H.	Appl. Rad. Isot. 60, 899, 2004.	D0164
20.	Hilgers, K., Stoll, T., Skakun, Y., Coenen, H. H., Qaim, S. M.	Appl. Rad. Isot. 59, 343, 2003.	D0069
21.	Horiguchi, T., Noma, H., Yoshizawa, Y., Takemi, H., Hasai, H., Kiso, Y.	Appl. Rad. Isot. 31, 141, 1980.	B0111
22.	Horiguchi, T., Kumahora, H., Inoue, H., Yoshizawa, Y.	Appl. Rad. Isot. 34, 1531, 1983	R0036
23.	Jenkins, I. L., Wain, A. G.	J. Inorg. Nucl. Chem. 32, 1419, 1970.	C0327
24.	Kantelo, M. V., Hogan, J. J.	Phys. Rev. C 14, 64, 1976	B0130
25.	Kantelo, M. V., Hogan, J. J.,	Phys. Rev. C 13, 1095, 1976.	B0105
26.	Kastleiner, S., Coenen, H. H., Qaim, S. M.	1999. Radiochim. Acta 84, 107	O0738
27.	Kastleiner, S., Shubin, Yu. N., Nortier, F. M., van der Walt, T. N., Qaim, S. M.	Radiochim. Acta 92, 449, 2004.	D0259
28.	Kaufman, S.	Phys. Rev. 117, 1532, 1960.	B0055
29.	Kavanagh, T. M., Bell, R. E.	Can. J. Phys. 39, 1172, 1961.	C0357
30.	Klein, A. T. J., Roesch, F., Qaim, S. M.	Radiochim. Acta 88, 253, 2000.	O0771
31.	Kovacs, Z., Blessing, G., Qaim, S. M., Stoecklin, G.	Appl. Rad. Isot. 36, 635, 1985.	D0083
32.	Kurenkov, N. V., Malinin, A. B., Sebyakin, A. A., Venikov, N. I.	1989. J. Radioanal. Nucl. Chem. Lett. 135, 39	A0436
33.	Levkovskij, V. N.	Activation Cross Sections for Medium Mass Nuclei (A_{j} 40–100) by Medium Energy Protons and Alpha Particles (E_{j} 10–50 MeV), Moscow, 1991	A0510
34.	Meadows, J. W.	Phys. Rev. 91, 885, 1953.	B0054
35.	Meadows, J. W., Diamond, R. M., Sharp,	Phys. Rev. 102, 190, 1956.	P0056

	R. A.		
36.	Meghir, S.	Excitation functions of some monitor reactions. Ph. D. Thesis. McGill University, Montreal, Quebec, 1962.	B0016
37.	Michel, R., Brinkmann, G.	J. Radioanal. Chem. 59, 467, 1980.	A0145
38.	Michel, R., Brinkmann, G., Weigel, H., Herr, W.	J. Inorg. Nucl. Chem. 40, 1845, 1978.	B0100
39.	Michel, R., Brinkmann, G., Weigel, H., Herr, W.	Nucl. Phys. A322, 40, 1979.	A0146
40.	Michel, R., Bodemann, R., Busemann, H., Daunke, R., Gloris, M., Lange, H. -J., Klug, B., Krins, A., Leya, I., Luepke, M., Neumann, S., etc.	Nucl. Instrum. Meth. Phys. Res. B 129, 153, 1997.	O0276
41.	Milazzo-Colli, L., Braga-Marcazzan, G. M., Milazzo, M., Signorini, C.	Nucl. Phys. A 218, 274, 1974.	B0006
42.	Mustafa, M. G., West, H. I., O'Brien, H., Lanier, R. G., Benhamou, M., Tamura, T.	Phys. Rev. C 38, 1624, 1988.	A0403
43.	Newton, D. A., Sarkar, S., Yaffe, L., Moore, R. B.	J. Inorg. Nucl. Chem. 35, 361, 1973.	B0023
44.	Nortier, F. M., Mills, S. J., Steyn, G. F.	Appl. Rad. Isot. 42, 353, 1991.	A0498
45.	Prescher, K., Peiffer, F., Stuek, R., Michel, R., Bodemann, R., Rao, M. N., Mathew, K. J.	Nucl. Instrum. Meth. Phys. Res. B 53, 105, 1991.	O0278
46.	Qaim, S. M., Weinreich, R., Ollig, H.	Appl. Rad. Isot. 30, 85, 1979.	A0185
47.	Qaim, S. M., Uhl, M., Rosch, F., Szelecsenyi, F.	Phys. Rev. C 52, 733, 1995.	D4015
48.	Rao, C. L., Yaffe, L.	Can. J. Chem. 41, 2516, 1963.	C0402
49.	Reimer, P., Qaim, S. M.	Radiochim. Acta 80, 113, 1998.	O0673
50.	Sachdev, D. R., Porile, N. T., Yaffe, L.	Can. J. Chem. 45, 1149, 1967.	B0069
51.	Sakamoto, K., Dohniwa, M., Okada, K.	Appl. Rad. Isot. 36, 481, 1985.	E1867
52.	Schoen, N. C., Orlov, G., McDonald, R. J.	Phys. Rev. C 20, 88, 1979.	A0179
53.	Scholten, B., Lambrecht, R. M., Cogneau, M., Ruiz, H. V., Qaim, S. M.	Appl. Rad. Isot. 51, 69, 1999.	O0737
54.	Sharp, R. A., Diamond, R. M., Wilkinson, G., 1956	Phys. Rev. 101, 1493, 1956	P0034
55.	Sonck, M., van Hoyweghen, J., Hermanne, A.	Appl. Rad. Isot. 47, 445, 1996.	D0393
56.	Sonck, M., Hermanne, A., Szelecsenyi, F., Takacs, S., Tarkanyi, F.	Appl. Rad. Isot. 49, 1533, 1998.	O0695
57.	Sterns, C. M.	Columbia University Report CU-34-63, 1962.	C1267
58.	Steyn, G. F., Mills, S. J., Nortier, F. M., Haasbroek, F. J.	Appl. Rad. Isot. 42, 361, 1991.	A0499
59.	Sudar, S., Szelecsenyi, F., Qaim, S. M.	Phys. Rev. C 48, 3115, 1993.	D4037

60.	Szelecsenyi, F., Boothe, T. E., Takacs, S., Tarkanyi, F., Tavano, E.	Appl. Rad. Isot. 49, 1005, 1998.	C0506
61.	Szelecsenyi, F., Kovacs, Z., Suzuki, K. Okada, K., vanderWalt, T. N., Steyn, G. F., Mukherjee, S.	J. Rad. Nucl. Chem. 263, 539, 2005.	E1975
62.	Szelecsenyi, F., Steyn, G. F., Kovacs, Z., Vermeulen, C., VanDerMeulen, N. P., Dolley, S. G., VanDerWalt, T. N., Suzuki, K., Mukai, K.	Nucl. Instrum. Meth. Phys. Res. B240, 625, 2005.	O1351
63.	Takacs, S., Tarkanyi, F., Sonck, M., Hermanne, A.	Nucl. Instrum. Meth. Phys. Res. B198, 183, 2002.	D4110
64.	Takacs, S., Tarkanyi, F., Sonck, M., Hermanne, A.	Nucl. Instrum. Meth. Phys. Res. B, 188, 106, 2002.	D4106
65.	Takacs, S., Szucs, Z., Tarkanyi, F., Hermanne, A., Sonck, M.	J. Radioanal. Nucl. Chem. 257, 195, 2003.	D4115
66.	Tarkanyi, F., Qaim, S. M.	1989. Radiochim. Acta 47, 169	D4042
67.	Tarkanyi, F., Szelecsenyi, F., Kopecky, P.	Atomki Annual Report 2, 1989.	D0052
68.	Tarkanyi, F., Qaim, S. M., Stocklin, G.	Report NEANDC(E)-302, 1989.	A0437
69.	Tarkanyi, F., Szelecsenyi, F., Kopecky, P.	Appl. Rad. Isot. 42, 513, 1991.	D4001
70.	Tarkanyi, F., Szelecsenyi, F., Kopecky, P.	In: Proceedings of the International Conference on Nuclear Data for Science and Technology, 13–17 May 1991, Julich, Germany, p. 529, 1991.	D4080
71.	Tarkanyi, F., Qaim, S. M., Stocklin, G., Sajjad, M., Lambrect, R. M., Schweickert, H.	Appl. Rad. Isot. 42, 221, 1991.	D4006
72.	Tarkanyi, F., Kovacs, Z., Qaim, S. M.	Appl. Rad. Isot. 44, 1105, 1993.	D4022
73.	Tarkanyi, F., Ditroi, F., Takacs, S., Csikai, J., Hermanne, A., Uddin, M. S., Hagiwara, M., Baba, M., Shubin, Yu. N., Dityuk, A. I.	Nucl. Instrum. Meth. Phys. Res. B226, 473, 2004.	E1922
74.	Tarkanyi, F., Takacs, S., Hermanne, A., VandenWinkel, P., VanderZwart, R., Skakun, Ye. A., Shubin, Yu. N., Kovalev, S. F.	Radiochim. Acta93, 561, 2005.	D4160
75.	Tarkanyi, F., Ditroi, F., Csikai, J., Takacs, S., Uddin, M. S., Hagiwara, M., Baba, M., Shubin, Yu. N., Dityuk, A. I.	Appl. Rad. Isot. 62, 73, 2005.	D4149

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