

## Status of list of missing EXFOR data for medical CRP

Nr	AUTHORS	TITLE	REFERENCE	EXFOR	STATUS
1.	Deconninck, G. and Longrée, M.,	ons d'excitation des réactions induites par particules alpha sur $^{209}\text{Bi}$ entre 40 et 100 MeV.	Annales de la Société Scientifique de Bruxelles, T88 (1974.) 341- 346.	D0204	EXFOR
2.	Kelly, E.L., Segré, E.	Some excitation functions of bismuth:	Phys. Rev. 75, (1949) 999-1005	D0490	Prelim
3.	Larsen R H., Wieland B.W., Zalutsky, M.R.	Evaluation of an Internal Cyclotron Target for the Production of $^{211}\text{At}$ via the $^{209}\text{Bi}(\alpha,2n)^{211}\text{At}$ reaction.	Appl. Rad. Isot., 47, (1996)135-143.	D0494	Prelim
4.	Patel, H.B., Shah, D.J., Singh, N.L.	Study of $(\alpha, xn)$ reactions on $^{169}\text{Tm}$ , $^{181}\text{Ta}$ and $^{209}\text{Bi}$ up to 70MeV.	Il Nuovo Cimento 112 (1999)1439-142	D0491	Prelim
5.	Rizvi, I.A., Bhardwaj, M.K., Afzal Ansari, M., Chaubey, A.K.	Non-equilibrium reaction mechanism in alpha-particle induced excitation function for $^{209}\text{Bi}$ up to 60 MeV.	Appl. Radiat. Isot. 41 (1990) 215-219	D0492	Prelim
6.	Stickler, J.D., Hofstetter, K.J.	Comparison of $^3\text{He}$ -, $^4\text{He}$ - and $^{12}\text{C}$ - induced nuclear reactions in heavy-mass targets at medium excitation energies. Experimental cross sections.	Phys. Rev. C. 9 (1974) 1064-1071	D0493	Prelim
7.	Harper P.V., Lathrop K., Need J.L.	The thick target yield and excitation function for the reaction $^{103}\text{Rh}(p,n)^{103}\text{Pd}$ ,	ORNL-LR-DWG 51564 (1961) 124 → R,ORNL-61-5-67,19610516 and J,NSA,15,(16),2780(21516),1961	C1596 D0456	EXFOR
8.	Hermanne A., Sonck M., Fenyvesi A., Daraban L	Study on production of $^{103}\text{Pd}$ and characterization of possible contaminants in the proton irradiation of $^{103}\text{Rh}$ up to 28 MeV,	Nucl. Instr. Meth. B 170(2000)281	O0843	EXFOR D4108 - deleted
9.	Mukhammedov S., Vasidov A.	Determination of rhodium by proton-activation technique using the $(p,n)$ reaction at a cyclotron,	Izv. AN UzbSSR Ser. Fiz.-Mat 2(1984)329 (in Russian)	A0212	EXFOR Sent to CaJaD to add ref.
10.	S. Sudár, F. Cserpák, S.M. Qaim	Measurements and nuclear model calculations on proton induced reactions on $^{103}\text{Rh}$ up to 40 MeV:	Applied Radiation and Isotopes, 56(2002)821.	O1010	EXFOR D4125

		Evaluation of the excitation function of the $^{103}\text{Rh}(p,n)^{103}\text{Pd}$ reaction relevant to the production of the therapeutic radionuclide $^{103}\text{Pd}$ ,			deleted
11.	N. Shigeta, H. Matsuoka, A. Osa, M. Koizumi, M. Izumo, K. Kobayashi, K. Hashimoto, T. Sekine, R.M. Lambrecht:	Production Method of No-Carrier-Added $^{186}\text{Re}$	Journal of Radioanalytical and Nuclear Chemistry 205(1996) 85	E2082	In compil.
12.	N. Shigeta Ishioka, T. Sekine, R.M. Lambrecht	Comments on the Cross Sections of $^{186}\text{Re}$ in the $^{186}\text{W}(p, n)$ and $^{186}\text{W}(d, 2n)$ Reactions in Connection to the Paper Given by Z.H.Zhu et al. and Correction of the Calculated Yield of $^{186}\text{Re}$ in the $^{186}\text{W}(p, n)$ Reaction	Journal of Radioanalytical and Nuclear Chemistry 241(1999) 383	E2082 2 <sup>nd</sup> reference	In compil.
13.	X. Zhang, W. Li, K. Fang, W. He, R. Sheng, D. Ying, W. Hu	Excitation Functions for $^{\text{nat}}\text{W}(p, xn)^{181-186}\text{Re}$ Reactions and Production of No-Carrier-Added $^{186}\text{Re}$ via $^{186}\text{W}(p, n)^{186}\text{Re}$ Reaction	Radiochimica Acta 86 (1999) 11	D0380	EXFOR
14.	M. U. Khandaker, M. S. Uddin, K. S. Kim, M. W. Lee, Y. S. Lee, G. N. Kim	Excitation functions of proton induced nuclear reactions on $^{\text{nat}}\text{W}$ up to 40 MeV arXiv e-prints: nucl-ex/0703035	Nuclear Instruments and Methods in Physics Research Section B: Beam Interactions with Materials and Atoms (to be submitted)	D0282	EXFOR
15.	E. Menapace, M. L. Bonardi, F. Groppi, S. Morzenti, E. Persico, Z. B. Alfassi	Experimental and calculated nuclear reaction data relative to innovative production of medical radioisotopes	International Conference on Nuclear Data for Science and Technology, April 22-27 2007, Nice, France, AID#655 2007NICE,2,1403,2007	D0482	In compilat.
16.	F. Tárkányi, A. Hermanne, S. Takács, F. Ditrói, F. Kovalev, A. V. Ignatyuk	New measurement and evaluation of the excitation function of the $^{186}\text{W}(p,n)$ nuclear reaction for production of the therapeutic radioisotope $^{186}\text{Re}$	Nuclear Instruments and Methods in Physics Research Section B: Beam Interactions with Materials and Atoms (in print)	D4193	EXFOR

17.	N. S. Ishioka, S. Watanabe, A. Osa, M. Koizumi, H. Matsuoka, T. Sekine	Excitation functions of rhenium isotopes on the $^{nat}\text{W}(d,xn)$ reactions and production of no-carrier added $^{186}\text{Re}$	Journal of Nuclear Science and Technology, Supplement 2 (2002) p. 1334	E2083	In compil.
18.	Zaitseva N. G., Knotek O., Kowalew A., Mikecz P., Rurarz E.:	Excitation functions and yields for $^{111}\text{In}$ production using $^{113,114,nat}\text{Cd}(p,x)^{111}\text{In}$ reactions with 65 MeV protons.	Appl. Radiat. Isot. 41, 177 (1990).	A0569	EFOR D4070 deleted
19.	Mirzaei M., Afarideh H., Haji-Saeid S. M., Ardaneh K.	Production of $^{111}\text{In}$ by irradiation of natural cadmium with deuterons and protons in NRCAM cyclotron.	Cyclotrons and their Applications 1998, Caen, 14-19 June 1998,p.65	D0496	Prelim.
20.	Muminov A. V., Mukhamedov S. , A.Vasidov A.:	Possibilities of proton activation analysis using short-lived radioisotopes.	Atomnaya Energiya 49,(2),101, (1980)	A0085	EXFOR
21.	Dmitriev P. P., Dmitrieva Z. P., Krasnov N. N., Molin G. A., Panarin M. V.:	Yields of $^{111}\text{In}$ and $^{114m}\text{In}$ in nuclear reactions with protons, deuterons and alpha particles.	Atomnaya Energiya 37, 496 (1974).	01585	EXFOR
22.	Nassiff S. J., Usher O. H., Wasilevsky C.	Cross sections or the formation of $^{114m}\text{In}$ and $^{116m}\text{In}$ on bombardment of cadmium by deuterons.	Int. J. Radiat. Phys. Cem. 13, 129 (1979).	01586	EXFOR
23.	F. Tárkányi, A. Hermanne, S. Takács, K. Hilgers, S. F. Kovalev, A. V. Ignatyuk, S. M. Qaim	Study of the $^{192}\text{Os}(d,2n)^{192}\text{Ir}$ reaction for production of the therapeutic radionuclide $^{192}\text{Ir}$ in no-carrier added form	Applied Radiation and Isotopes (in print)=ARI,65,1215,2007	D4192	EXFOR
24.	Zweit J., Bakir M. A., Ott R.T., Sharma H.L., Cox M. and Goodall R.	Excitation functions of proton induced reactions in natural Tellurium: Production of no-carrier added iodine-124 for PET applications,	Proc. of 4th International Workshop on targetry and target chemistry, PSI Willigen, Switzerland, Sept. 9-12, (1992), Ed. R. Weinreich, p.76.	01260	EXFOR
25.	R. J. Nickles	A shotgun approach to the chart of the nuclides. Radiotracer production with an 11 MeV proton cyclotron	Acta Radiologica. Supplementum 376. 1991. p. 9	D0495	In compil.

26.	R. Weinreich, E. J. Chants	Quality control of $^{124}\text{I}$	Proceedings of Sixth Workshop on Targetry and Target Chemistry, Aug. 17-19, 1995, Vancouver, B. C., Canada, (eds. J. M. Link, T. Ruth), Triumph, Canada, 1996, p.84	01597	EXFOR
27.	M.Glaser, D.B.Mackay, A.S.O.Ranicar, S.L.Waters, F.Brady, S.K.Luthra	Improved targetry and production of iodine-124 for PET studies NUCLEAR REACTIONS $^{124}\text{Te}(p, n)$ , $(p, 2n)$ , $E \approx 8-19$ MeV; measured thick-target yields.	Radiochim.Acta 92, 951 (2004) Radiochim.Acta 92, 951 (2004)	01583	EXFOR
28.	Firouzbakht, ML; Schlyer, DJ; Finn, RD; Laguzzi, G; Wolf, AP	I-124 production - Excitation function for the Te-124(d,2n)I-124 and Te-124(d,3n)I-123 reactions from 7 to 24 MeV	Nucl. Instr. Meth. B79 (1993) 909	D0497	Prelim.
29.	Vaidyanathan, G., Wieland, B. W., Larsen, R. H., Zalutsky, M. R.,	High-yield production of iodine-124 using the $^{125}\text{Te}(p, 2n)^{124}\text{I}$ reaction.	Proceedings of the Sixth International Workshop on Targetry and Target Chemistry, Vancouver, BC, Canada, 17-19 August, 1995 S116.	D0515	Prelim.
30.	M.L.Firouzbakht, D.J.Schlyer, A.P.Wolf	The Yield of I-124 from Different Target Materials in the $^{124}\text{Te}(d, 2n)^{124}\text{I}$ Reaction and an Improved Recovery Method for Te-124	J.Labelled Compd.Radiopharm. 35, 257 (1994)	D0497	Prelim.
31.	R.G.Clem, R.M.Lambrecht	Enriched $^{124}\text{Te}$ Targets for Production of $^{123}\text{I}$ and $^{124}\text{I}$	Nucl.Instrum.Methods Phys.Res. A303, 115 (1991)	01584	EXFOR
32.	H.L.Sharma, J.Zweit, S.Downey, A.M.Smith, A.G.Smith	Production of $^{124}\text{I}$ for Positron Emission Tomography	J.Labelled Compd.Radiopharm. 26, 165 (1989)	01582	EXFOR
33.	R.M.Lambrecht, M.Sajjad, M.A.Qureshi, S.J.Al-Yanbawi	Production of Iodine-124	J.Radioanal.Nucl.Chem.Let.127, 143 (1988)	01587	EXFOR

34.	Szelecsényi F., Steyn G.F., Dolley S.G., Kovács Z., Vermeulen C., van der Walt T.N:	New cross-section data on the $^{68}\text{Zn}(p,2p)^{67}\text{Cu}$ nuclear reaction: production possibility of $^{67}\text{Cu}$ used for internal radiotherapy	Proc. 15th Pacific Basin Nuclear Conference, 15 - 20 October 2006, Sidney, Australia (submitted)		Sent to Hungary
35.	Mirzadeh S, Mausner LF, Srivastava SC	Production of no-carrier added $^{67}\text{Cu}$	Appl. Radiat. Isot. 37 (1986) 29	12970	EXFOR
36.	M.L.Bonardi, F.Groppi, C.Birattari, L.Gini, C.Mainardi, A.Ghioni, E.Menapace, K.Abbas, U.Holzwarth, M.F.Stroosnijder	Thin-target excitation functions and optimization of simultaneous production of NCA copper-64 and gallium-66, 67 by deuteron induced nuclear reactions on a natural zinc target	.Radioanal.Nucl.Chem. 257, 229 (2003)	00787	EXFOR
37.	D.C.WILLIAMS,J.W.I RVINE	Nuclear Excitation Functions and Thick-Target Yields: Zn+d and Ar40(d,alpha)	Phys. Rev. 130 (1963) 265	R0038	EXFOR, P0076 deleted