

EXFOR Completeness Checking Against IBANDL

(V. Semkova, L Vrapcencjak, N. Otsuka, 2014-02-28, Memo CP-D/832 Rev.)

The IBANDL database contains the experimental nuclear cross-section data relevant to ion beam analysis (<https://www-nds.iaea.org/exfor/ibandl.htm>). The IBA technique is based on interactions of charged particles with energies from ~ 0.1 to a few MeV with materials. Since both IBANDL and EXFOR have such IBA relevant cross section data, they were compared in order to identify the data missed in EXFOR.

Such missed articles have to be compiled in EXFOR and are listed below. The corresponding Centres are invited to compile those articles with priority since the data are compulsory for the EXFOR compilation. These articles will be registered in the list of allocated articles (<http://www-nds.iaea.org/nrdc/alloc/>), their pdf copies are available at NDS.

1st Author	Reference	LAB	Centre	Remark
A.K. Valter	J,ZET,44,57,1963 J,JET,17,39,1963	4UKRKFT	UkrNDC	
G.B. Andreev	J,IZV,26,1134,1962 J,BAS,26,1147,1963	4UKRKFT	UkrNDC	
A.K. Valter	J,ZET,43,2038,1962 J,JET,16,1439,1963	4UKRKFT	UkrNDC	
K. Etoh	J,JPI,26,1335,1969	2JPNNIG	JCPRG	E2273?
Ding Furong	J,CPL,9,176,1992	3CPRBJG	CNDC	in compilation (S0070)
W.N. Wang	J,NP/A,102,537,1967	3CHFTHU	NDS	
X. Zhang	J,NIM/B,201,551,2003	3CPRIMP	CNDC	
G. Giorginis	J,NIM/B,118,172,1996	2ZZZGEL	NEADB	
T. Mo	J,NP/A,198,153,1972	2SWDCTH	NEADB	
G. Amsel	J,NIM,92,481,1971	2FR ENS	NEADB	
G. Deconnink	J,JRC,24,437,1975	2BLGNAM	NEADB	
P. Troceller	J,JRC,67,135,1981	2FR SAC	NEADB	
R. Caracciolo	J,NCL,11,33,1974	2ITYPAD	NEADB	
B. Bosnjakovic	J,NP/A,110,17,1968	2NEDUTR	NEADB	
M.A. Chaudhri	Ph.D. thesis, 1964	2GERMPH	NEADB	Univ. Heidelberg,
J.L. Yarnell	J,PR,90,292,1953	1USAMIN	NNDC	add Fig. 6 to C0987
W. Jiang	J,NIM/B,227,450,2005	1USABNW	NNDC	
M.K. Leung	Ph.D. dissertation, 1972	1USAKTY	NNDC	Univ. Kentucky,
C.R. Bolmgren	J,PR,105,210,1957	1USAMIS	NNDC	
A.J. Ferguson	J,PR,115,1655,1959	1CANCRC	NNDC	
T.A. Belote	J,PR,122,920,1961	1USAUSA	NNDC	
R.G. Thomas	J,PR,75,1612,1949	1USACAL	NNDC	
R.A. Langley	C,75GATLIN,4,158,1975	1USASC	NNDC	
A. Li-Scholz	J,APL,56,2696,1990	1USAALB	NNDC	
N. Jarmie	R,LA-2014,1957	1USALAS	NNDC	add data to F0003
C.J. Wetteland	R,LA-UR-98-4867, 1994	1USALAS	NNDC	
M. Wilson	M.A. thesis, 1965	1USAMRD	NNDC	Univ. Maryland
N.H. Prochnow	J,NP/A,194,353,1972	1USATNL	NNDC	
E. Kashy	J,PR,122,884,1961	1USARIC	NNDC	