

## Experimental Fission Product Yields Missing in EXFOR

NDS performed the completeness check of the experimental fission product yield (FPY) in EXFOR database against two bibliographical data used in the evaluation of ENDF/B-VI and UKFY3.0 (used for JEF2.2 with UKFY2). The complete lists of the bibliographic were taken from

1. T.R. England, B.F. Rider: Evaluation and Compilation of Fission-Product Yields, 1993, report LA-UR-94-3106/ENDF-349, Sept. 1994.
2. R.W. Mills, Appendix 5 in Doctoral Thesis University of Brmningham, 1995.

We would like to ask all data centres to compile FPY data according to the following list.

Note that -

- The bibliographic records were carefully checked and searched by two persons by using the author's name and the reference, but there might be exist the entry already because of the fluctuation of the author's name or of reference notations.
- The lab tentatively assigned may not correct because of the lack of information on the place of experiment or author's institute in some literatures, or written not in English.
- The lab were taken from 1. CINDA's information, 2. the experimental information in the paper, 3. author's institute, or 4. nation.
- Excluded evaluations, theoretical calculations, experiments not FPY measurements, and proceedings that not includes any data.
- The check against the NSR list distributed in CP-C/464, CP-C/465, and CP-C/466 (and their appendixes) was done very roughly. Please check the duplication again before the compilation.
- We will register them into the compilation list (web) with comments.
- We kindly ask you to send entries from FPY assessment lists both by NNDC and by IAEA in separate Preliminary tape to track them easily.

Definition of the columns:

**Mills:** The reference number in the R. W. Mills's thesis listed above as [2].

**E-R:** The reference number in the T. R. England, B. F. Rider's report listed above as [1].

**Author:** 1st author's name.

**Reference:** EXFOR format reference.

**Lab:** Possible laboratory where the experiment took place.

**NSR:** The CP-C memo number that has the same "reference".

Table for Create New

Area 1

Mills	E-R	Author	Reference	Lab	NSR
	51GOL1	A.Goldstein+	B,RCS,2,1188,1951	1USAANL	
	80JAF1	A.H.Jaffey+	R,ANL-79-107,1980	1USAANL	
<b>2087</b>		C.H.Lee+	J,PR/C,38,1757,1988	1USALRL	
	51DIL1	C.R.Dillard+	B,RCS,2,692,1951	1USAANL	
	68RUD1	C.Rudy+	J,JIN,30,365,1968	1USAWAU	
	51WAT1	D.E.Waters+	B,RCS,3,1507,1951	1USAORL	
<b>823</b>		D.L.Horrocks	J,PR,134,B1219,1964	1USAANL	
	72NET1	D.R.Nethaway+	R,UCRL-73937,1972	1USALRL	
	51ENG1	D.W.Engelkemeir+	B,RCS,3,1334,1951	1USAANL	
	51HOA1	E.J.Hoagland+	B,RCS,2,635,1951	1USAANL	
	51HOA2	E.J.Hoagland+	B,RCS,2,660,1951	1USAANL	
<b>839</b>		E.L.Albenesius	J,PRL,3,274,1959	1USASRL	
<b>824</b>		E.N.Sloth+	J,JIN,24,337,1962	1USAANL	

	51STE2	E.P.Steinberg+	B,RCS,2,877,1951	1USAANL	
	51STE3	E.P.Steinberg+	B,RCS,3,1378,1951	1USAANL	
<b>1063</b>		G.Buzzelli+	J,ANS,24,458,1976	1USAGA	
<b>1204</b>		G.Buzzelli+	J,ANS,27,283,1977	1USAANL	
<b>1205</b>		G.Buzzelli+	J,ANS,24,458,1976	1USAGA	
	70LUM1	G.Lum-Hee+	P,AECL-3776,96,1970	1CANMCM	
<b>2071</b>		G.M.Raisbeck+	J,PR,172,1272,1968	1USAPTN	
<b>181</b>	53FOR2	G.P.Ford	R,AECD-3597,1953	1USAORL	
<b>325</b>	53WET1	G.W.Wetherill	J,PR,92,907,1953	1USACHI	
	49THO1	H.G.Thode+	J,RPP,12,1,1949	1CANMCM	
<b>1194</b>		I.G.Schroeder+	J,PR,137,B519,1965	1USACOL	
<b>2095</b>		J.A.Coleman+	J,PR,133,B724,1964	1USAWAU	
	51MAR1	J.A.Marinsky+	B,RCS,2,1229,1951	1USAORL	
	68MCH2	J.A.Mc Hugh+	J,PR,172,1160,1968	1USAUCX	
<b>2061</b>	87DIC1	J.K.Dickens	J,NSE,96,8,1987	1USAORL	
<b>2012</b>	86DIC2	J.K.Dickens+	R,ORNL-6266,1986	1USAORL	
	67FAS1	J.L.Fasching+	P,MIT-905-108,21,1967	1USAMIT	
<b>2099</b>		J.R.Smith+	J,PR/C,44,1118,1991	1USAWSA	
	75FLY4	K.F.Flynn+	J,ANS,22,677,1975	1USAANL	
<b>2005</b>		K.Rengan+	J,RRL,51,339,1982	1USALRL	
<b>2056</b>		K.W.Allen+	J,PR,80,181,1950	1CANCRC	
	51GLE6	L.E.Glendenin	B,RCS,2,591,1951	1USAANL	
	51GLE7	L.E.Glendenin	B,RCS,2,976,1951	1USAANL	
	51GLE3	L.E.Glendenin+	B,RCS,2,992,1951	1USA WAS	
<b>337</b>	59BUN1	L.R.Bunney+	C,58GENEVA,15,444,1958	1USANRD	
	47YAF1	L.Yaffe+	J,CJR/B,25,371,1947	1CANCRC	
	64DUR1	M.F.Duret+	C,64GENEVA,3,347,1964	1CANCRC	
	58ROB1	M.T.Robinson+	J,NSE,4,288,1958	1USAORL	
	56KUR1	P.K.Kuroda+	J,JCP,25,603,1956	1USAARK	
	54KUR1	P.K.Kuroda+	J,JCP,22,1940,1954	1USAARK	
<b>2096</b>		P.L.Reeder	J,CJC,61,786,1983	1USA WAS	
<b>2008</b>		P.L.Reeder+	R,BNWL-SA-5243,1975	1USA WAS	
<b>847</b>		R.A.Nobles	J,PR,126,1508,1962	1USALAS	
<b>2031</b>	79STR1	R.B.Strittmatter+	J,NIM,166,473,1979	1USAUI	466a
	66NIS1	R.G.Nisle+	J,NSE,25,93,1966	1USAMTR	
<b>696</b>		R.P.Larsen+	A,ANS,15,483,1972	1USAANL	
	51SCH1	R.P.Schuman	B,RCS,2,1191,1951	1USAANL	
	67STE2	R.Stella+	J,RIC,37,354,1967	1USAORL	
<b>352</b>		S.Katcoff	J,NUC,18,201,1960	1USABNL	
	51KAT2	S.Katcoff+	B,RCS,2,591,1951	1USAANL	
	51KAT4	S.Katcoff+	B,RCS,2,982,1951	1USAUSA	
	51KAT5	S.Katcoff+	B,RCS,2,1005,1951	1USAANL	
	51KAT7	S.Katcoff+	B,RCS,2,1167,1951	1USAANL	
	51KAT8	S.Katcoff+	B,RCS,2,1017,1951	1USAUSA	
	51KAT1	S.Katcoff+	B,RCS,2,587,1951	1USAANL	
	51NOV2	T.B.Novey	B,RCS,2,976,1951	1USAANL	
<b>844</b>		T.D.Thomas+	J,PR,144,1060,1966	1USALAS	
	53FLE1	W.H.Fleming+	J,PR,92,378,1953	1USALAS	
	51SUL2	W.H.Sullivan+	B,RCS,2,1015,1951	1USAANL, 1USAORL	
<b>1092</b>	74MAE1	W.J.Maeck	R,ICP-1050-I,1975	1USAINL	
	80MAE2	W.J.Maeck	S,INDC(NDS)-113,68,1980	1USAINL	
	80MAE3	W.J.Maeck	R,ENICO-1065,1980	1USAINL	
<b>837</b>		W.J.Maeck+	R,ICP-1058,1974	1USAINL	
	70HEN1	W.K.Hensley+	J,JIN,32,1761,1970	1USABRK	

	75MCE1	W.N.Mc Elroy+	J,NT,25,180,1975	1USAHED
<b>144</b>	59CHU1	Y.Y.Chu	R,UCRL-8926,1959	1USALRL

Area 2

	<b>Mills</b>	<b>E-R</b>	<b>Author</b>	<b>Reference</b>	<b>Lab</b>	<b>NSR</b>
	279	56PAP1	A.C.Pappas+	J,JIN,2,69,1956	2NORKJL	
	906	68PAP1	A.C.Pappas+	J,JIN,30,890,1968	2NORKJL	
	239	59KJE1	A.Kjelberg+	J,JIN,11,173,1959	2NOROSL	
		41MOU1	A.Moussa+	J,PR,60,534,1941	2FR LYO	
	2063		A.Schubert+	J,ZP/A,341,481,1992	2GERKFK	
	2063		A.Schubert+	J,ZP/A,338,115,1991	2GERZFK	
	2062		A.Sicre+	C,89LENINGRD,,223,1989	2FR ILL	
	642	66BAE1	A.V.Baekmann+	J,RCA,5,234,1966	2GERKFK	
	642	66BAE1	A.von Baekmann+	J,RCA,5,234,1966	2GERKFK	
	332	64WYT1	A.Wyittenbach	J,RCA,3,118,1964	2SWTWUR	
	332	64WYT1	A.Wyittenbach+	J,RCA,3,118,1964	2SWTWUR	
	384	64WYT1	A.Wyittenbach+	J,RCA,3,118,1964	2SWTWUR	
	332	65WYT1	A.Wyittenbach+	C,65SALZBURG,1,415,1965	2SWTWUR	
	893	73CHA1	C.Chauvin	T,FRNC-TH-470,1973	2FR GRE	
		61VAL1	D.G.Vallis+	R,AWRE-O-58/61,1961	2UK ALD	
	403		D.G.Vallis+	R,AWRE-O-58/61,1962	2UK ALD	
		55LIT1	D.J.Littler	C,55GENEVA,5,141,1955	2UK HAR	
	827		D.L.Horrocks+	J,NP/A,151,65,1970	2NEDUTR	466a
		71CRO2	E.A.C.Crouch	C,71CANT,,147,1971	2UK HAR	
	221	63HAG1	E.Hagebo	J,JIN,25,615,1963	2SWDUPP	466a
		62HAG1	E.Hagebo+	J,JIN,24,117,1962	2SWDUPP	
		65KON1	E.Konecny+	C,65SALZBURG,1,401,1965	2GERMUN	
		66KON1	E.Konecny+	J,AF,36,319,1966	2GERJLU	
	309	70OHY1	E.Ohyoshi+	J,RRL,3,1,1970	2JPNOSA	
		65ACC1	F.Accinni+	R,CISE-171R,1965	2ITYCIS	
	46	55BRO1	F.Brown	J,JIN,1,248,1955	2UK HAR	
	838		F.Cavallari+	C,69VIENNA,,891,1969	2ITYPA V	
		62FRO1	F.H.Froehner	J,ZP,170,62,1962	2GERMUN	
	611	67WUN1	F.Wunderlich	J,RCA,7,105,1967	2GERMUN	466a
		78FIS1	G.Fischbach+	P,MAINZ-1977,93,1978	2GERMNZ	
		77FIS1	G.Fischbach+	P,MAINZ-1976,102,1977	2GERMNZ	
	661	56HER1	G.Herrmann+	J,ZN/A,11,946,1956	2GERMNZ	
	2067		G.Lhersonneau+	P,INDC(GER)-28,27,1985	2GERJUL	
	2085		H.Gaggeler+	J,JIN,40,1859,1978	2SWTUBE	465a
	916	75GOE1	H.Goektuerk+	J,JIN,37,2247,1975	2TUKANK	
	916	75GOE1	H.Gokturk+	J,JIN,37,2247,1975	2TUKANK	
		72GUN1	H.Gunther+	J,NP/A,196,401,1972	2GERJLU	
	2091		H.Machner+	J,ZP/A,343,73,1992	2ZZZCER	
		77MEI2	H.Meixler+	P,MAINZ-1976,100,1977	2GERMNZ	
	612	66MEN1	H.Menke+	J,RCA,6,76,1966	2GERMNZ	
	1080	78ERT1	H.N.Erten+	J,JIN,40,183,1978	2TUKTUK	
	160	69DEN1	H.O.Denschlag	J,JIN,31,1873,1969	2GERMNZ	466a
	213	67GUN2	H.R.Von Gunten+	J,RCA,8,112,1967	2SWTWUR	466a
		65CRO2	I.F.Croall	R,AERE-R-5086,1968	2UK HAR	
	101	69CRO2	I.F.Croall+	R,AERE-R-6154,1969	2UK HAR	
	80	62CRO1	I.F.Croall+	J,JIN,24,221,1962	2UK HAR	
		66AND1	I.O.Anderson+	J,NAT,211,618,1966	2SWDAE	
	410	69BLA1	J.Blachot+	C,69VIENNA,,803,1969	2FR GRE	

1093	71BLA1	J.Blachot+	C,71CANT,,13,1971	2FR GRE	
654	71BLA1	J.Blachot+	C,71CANT,,13,1971	2FR GRE	
77	58CUN1	J.G.Cunninghame	J,JIN,6,181,1958	2UK HAR	
155	53CUN1	J.G.Cunninghame	J,PM,44,900,1953	2UK HAR	
79	57CUN1	J.G.Cunninghame	J,JIN,5,1,1957	2UK HAR	
78	57CUN2	J.G.Cunninghame	J,JIN,4,1,1957	2UK HAR	
623	72CUN1	J.G.Cunninghame+	R,AERE-R-6555,1972	2UK HAR	
85	61CUN1	J.G.Cunninghame+	J,NP,27,154,1961	2UK HAR	
2089		J.J.Hogan+	J,ZP/A,338,325,1991	2UK HAR	
580	70KEM1	J.Kemmer+	J,RCA,13,181,1970	2GERMUN	466a
597	71KEM1	J.Kemmer+	J,RCA,15,113,1971	2GERMUN	
2084	49KOC1	J.Koch+	J,PR,76,279,1949	2DENCOP	
803	73KRA2	J.V.Kratz+	C,73ROCH,2,95,1973	2GERMNZ	
554	68BAC1	K.Bachmann	J,RCA,9,27,1968	2GERTHD	
	66MAR1	K.Marti+	J,ZN/A,21,398,1966	2SWTUBE	
40	65BAL1	L.Balcarczyk+	J,NUK,7,169,1965	2AUSSGA	
	70CAR1	L.C.Carraz	J,CR/B,270,358,1970	2FR LYO	
561	68TOM1	L.Tomlinson+	J,JIN,30,1995,1968	2UK HAR	
653	71TOM1	L.Tomlinson+	J,JIN,33,3609,1971	2UK HAR	
	80ASG2	M.Asghar+	J,NP/A,341,388,1980	2FR ILL	466a
831		M.Cambiaghi+	J,NC/A,11,716,1972	2ITYPA V	466a
826		M.Cambiaghi+	J,NC/B,59,236,1969	2ITYPA V	
2057		M.F.Netter+	C,58GENEVA,15,418,1958	2FR SAC	
644	66BRO1	M.G.Brown+	J,RCA,6,16,1966	2UK KEN	
2024	87HAD1	M.Haddad+	J,RCA,42,165,1987	2FR GRE	466a
299	67RAO1	M.N.Rao	J,RCA,8,12,1967	2GERKLN	
360	67RAO2	M.N.Rao	J,JIN,29,863,1967	2GERKLN	
299	67RAO1	M.N.Rao+	J,RCA,8,12,1967	2GERGER	
	78WEI1	M.Weis+	P,MAINZ-1977,80,1978	2GERMNZ	
	77WEI1	M.Weis+	P,MAINZ-1976,84,1977	2GERMNZ	
30	67BIR1	O.Birgul+	J,RCA,8,9,1967	2UK HAR	
169	69BIR1	O.Birgul+	J,RCA,12,66,1969	2UK KEN	466a
252	68MAR1	P.delMarmol	J,JIN,30,2873,1968	2BLGMOL	
633	70MAR1	P.delMarmol+	J,JIN,32,705,1970	2BLGMOL	
252	68MAR1	P.delMarmol	J,JIN,30,2873,1968	2BLGMOL	
633	70MAR1	P.delMarmol+	J,JIN,32,705,1970	2BLGMOL	
	71MAR1	P.delMarmol+	J,RCA,16,4,1971	2BLGMOL	
	67MAR1	P.delMarmol+	J,JIN,29,273,1967	2BLGMOL	
308	65STR1	P.O.Strom+	J,CJC,43,2493,1965	2NOROSL	
615	60COL1	R.F.Coleman+	J,JIN,14,8,1960	2UK ALD	
352	64JAM1	R.H.James+	J,RCA,3,76,1964	2UK DUR	
	91HEN1	R.Hentzschel+	P,NEANDC(E)-322,(5),63,1991	2FR ILL	
681	72NAE1	R.Naeumann+	J,JIN,34,1785,1972	2GERMNZ	466a
	81SEH1	R.Sehr+	P,MAINZ-1980,76,1981	2GERMNZ	
	67STE3	R.Stella+	J,RIC,37,357,1967	2ITYPA V	
353	64LYL1	S.J.Lyle+	J,RCA,3,80,1964	2UK DUR	
621	68LYL1	S.J.Lyle+	J,RCA,9,90,1968	2UK KEN	
616	67ISH1	T.Ishimori+	J,RCA,7,95,1967	2JPNJAE	
2047		T.P.Doan+	J,RE,93,61,1986	2FR ILL	466a
1124		W.Grimm	T,GRIMM,,1971	2GERMNZ	
219		W.H.Hardwick	R,AERE-C/R-1180,1953	2UK HAR	
219	53HAR1	W.H.Hardwick	J,PR,92,1072,1953	2UK HAR	
	71HOL1	W.Holubarsch+	J,NP/A,171,631,1971	2GERTUE	
667		W.Krappel+	J,NT,12,226,1971	2GERKFK	

72SCH1	W.Scholtyssek	P,KFK-1272-1,1972	2GERKFK
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### Area 3

Mills	E-R	Author	Reference	Lab	NSR
2105	80NAI1	A.G.C.Nair+	C,80W ALTAI,,150,1980	3INDTRM	
	90NAI1	A.G.C.Nair+	J,JRN,140,215,1990	3INDTRM	464a
2015	82GOL1	A.G.Golovanov+	J,SJA,53,576,1982	3BULBLA	466a
2033		A.Goswami+	R,BARC-1381,33,1987	3INDTRM	
2104		A.Ramaswami+	C,80W ALTAI,,147,1980	3INDTRM	
2039		A.Ramaswami+	R,BARC-1381,40,1987	3INDTRM	
2041		A.Srivastava+	R,BARC-1381,51,1987	3INDTRM	
2042		A.Srivastava+	R,BARC-1381,62,1987	3INDTRM	
	87SRI1	A.Srivastava+	P,BARC-1381,51,1987	3INDTRM	
	87SRI2	A.Srivastava+	P,BARC-1381,62,1987	3INDTRM	
	87RED1	A.V.R.Reddy+	P,BARC-1381,25,1987	3INDTRM	
	87RED2	A.V.R.Reddy+	P,BARC-1381,44,1987	3INDTRM	
2032		A.V.R.Reddy+	R,BARC-1381,25,1987	3INDTRM	
	87RED3	A.V.R.Reddy+	P,BARC-1381,47,1987	3INDTRM	
2040		A.V.R.Reddy+	R,BARC-1381,47,1987	3INDTRM	
2006		B.S.Tomar+	R,BARC-1381,7,1987	3INDTRM	
	69BRA1	C.Braun+	P,IA-1190,104,1968	3ISLSOR	
	87LEE1	C.H.Lee.+	J,JRN,119,101,1987	3CHFTHU	466a
2021	84JAI1	H.C.Jain+	J,RCA,37,63,1984	3INDTRM	466a
2021		H.C.Jain+	R,BARC-1248,1984	3INDTRM	
	87NAI2	H.Naik+	P,BARC-1381,37,1987	3INDTRM	
2038		H.Naik+	R,BARC-1381,37,1987	3INDTRM	
666	58MAL1	J.Maly+	J,CZC,23,1886,1958	3CZRCZR	
896	75LAE1	J.R.Delaeter+	J,CJP,53,775,1975	3AULWAI	466a
2020		R.Bayer+	J,CZJ/B,31,1273,1981	3CZRUIJV	
2090		R.Guin+	J,RCA,51,97,1990	3INDTRM	
263	69MUN1	R.Muntze+	J,KE,12,380,1969	3DDDRS	
263	69MUN1	R.Munze+	J,KE,12,380,1969	3DDDRS	
2103		S.A.Chitambar+	C,80W ALTAI,,142,1980	3INDTRM	
	89MAN1	S.B.Manohar+	J,NP/A,502,307c,1989	3INDTRM	
602	69DAN1	S.P.Dange+	C,69VIENNA,,741,1969	3INDTRM	
2106	80RAT1	S.S.Rattan+	C,80W ALTAI,,155,1980	3INDTRM	
2108		Sun Tongyu+	J,HFH,13,54,1991	3CHPIMP	
2059		V.A.Hattangadi+	C,65SALZBURG,2,397,1965	3INDTRM	
2073		Zhang Yanling+	R,CNIC-00421,1990	3CHPAEP	
2074		Zhao Xin+	R,CNIC-00423,1990	3CHPAEP	

### Area 4

Mills	E-R	Author	Reference	Lab	NSR
280	58PRO1	A.N.Protopopov+	J,SJA,5,963,1958	4CCPRI	
280		A.N.Protopopov+	J,JNE/A,10,80,1959	4CCPRI	
2083		A.P.Tonchev+	J,JRN/L,155,299,1991	4ZZZDUB	
2080		D.V.Aleksandrov	J,SNP,36,783,1982	4RUSKUR	
		+			
161	60BON1	E.K.Bonyushkin	R,AEC-TR-4682,1960	4RUSKUR	
161	60BON1	E.K.Bonyushkin+	R,AEC-TR-4682,1960	4RUSKUR	
286	55KUK1	G.M.Kukavadze+	R,AEC-TR-2435,1956	4RUSKUR	
712	60KRI1	I.T.Krisyuk+	J,RAK,2,743,1960	4RUSRUS	
713	60KRI2	I.T.Krisyuk+	J,RAK,2,746,1960	4RUSRUS	
1	60PET1	K.A.Petrzhak+	R,AEC-TR-4696,1961	4RUSRI	

234	58KRI1	L.M.Krizhanskii+	J,SJA,4,95,1958	4RUSRUS
232		L.M.Krizhanskii+	J,JNE,6,260,1958	4RUSRUS
234		L.M.Krizhanskii+	J,JNE/A,10,163,1959	4RUSRUS
232	57KRI1	L.M.Krizhanskii+	J,SJA,2,334,1957	4RUSRUS
232	57KRI1	L.M.Krizhansky+	J,SJA,2,334,1957	4RUSRUS
234	58KRI1	L.M.Krizhansky+	J,SJA,4,95,1958	4RUSRUS
2052		L.V.Drapchinskii	J,SJA,16,164,1964	4RUSRI
		+		
2052		L.V.Drapchinskii	J,JNE/AB,19,69,1965	4RUSRI
		+		
2054		L.Z.Malkin+	J,SJA,16,170,1964	4RUSRUS
65	59BAK1	M.A.Bak+	J,SJA,6,429,1959	4RUSRI
2053		N.A.Perfilov+	J,JET,14,7,1962	4RUSRI
2053		N.A.Perfilov+	J,SJA,14,601,1964	4RUSRUS
595		N.V.Skovorodkin	J,SRA,12,453,1970	4RUSRI
		+		
2055		T.A.Mostovaya	J,SJA,10,359,1962	4RUSKUR
2055		T.A.Mostovaya	J,JNE/AB,17,424,1963	4RUSKUR
354	60VLA 1	V.A.Vlasov+	R,AEC-TR-4665,1960	4RUSRUS
2065		V.M.Adamov+	J,SNP,9,424,1969	4RUSFTI
2065		V.M.Adamov+	C,69VIENNA,,900,1969	4RUSFTI
2058		V.N.Dmitriev+	J,JET,11,718,1960	4RUSRI
2051		Z.I.Soloveva+	J,SJA,8,124,1961	4CCPRI
2051		Z.I.Soloveva+	J,JNE/AB,15,62,1961	4RUSRI

#### Number of records

Area	Number of publications
Area 1	76
Area 2	142
Area 3	43
Area 4	37
Total	298

The publications that is not stored precisely in the EXFOR, but related entry(s) and publication are exist in the EXFOR are listed in the following table. Some of these entries are needed to check again whether all of the data in the publication (or report) are in the EXFOR.

Followings are the cases for example..

- CINDA blocks the reference with any other publications or reports but the reference itself is not included in the REFERENCE field in the EXFOR entry. → Need to update the REFERENCE.
- I.F.Croall R,AERE-R-3879,1961 is the only case we found clearly that 233U data is included but is missing in EXFOR entry #21464. We expect this situation for any other references.

Definition of the columns:

**Mills:** The reference number in the R.W. Mills's thesis listed above as [2].

**E-R:** The reference number in the T.R. England, B.F. Rider's report listed above as [1].

**Author:** 1st author's name.

**Reference:** EXFOR format reference.

**EXFOR:** EXFOR entry number if it exists.

**Related:** EXFOR entry number that may related to the reference.

**Lab:** Possible laboratory where the experiment took place.

**NSR:** The CP-C memo number that has the same "reference".

**Table for Check**

Mills	E-R	Author	Reference	EXFOR#	Related	Lab	NSR
76	68GRE1	A.E.Greenale+	R,USNRDL-TR-6911,1968	0	13266	1USAN RD	
	51FIN1	B.Finkle+	B,RCS,2,770,1951	0	13395	1USAU SA, 1USAC LI	
338		C.D.Coryell+	B,RCS,2,	0		1USAU SA	
	62COR1	C.D.Coryell+	J,ANS,5,23,1962	0	13224	1USA MIT	
	71CRO3	C.E.Crouthamel +	P,ANL-7887,32,1971	0	12771	1USAA NL	
	71TRO3	D.E.Troutner	J,JIN,33,4327,1971	0	13299	1USA MIS	
1067		E.N.Vine	A,DA/B,37,6121,1977	0	10996	1USA WAS	
245		F.L.Lisman+	R,IN-1277,1968	0	13270	1USA MTR	
108		G.A.Cowan+	R,PNE-114F,1963	0	13705	1USAL AS	
828		G.Kugler+	J,PR/C,5,551,1972	0	14200	1CAN MCM	466a
	76FOR1	G.P.Ford+	R,LA-6129-MS,43,1976	0	13255, 13443, 13444, 13445, 13446, 13447, 13448	1USAL AS	
	65FOR1	G.P.Ford+	C,65SALZBURG,1,333, 1965	0	13077	1USAL AS	
13		H.V.Weiss+	R,USNRDL-TR-943,1965	0	13083	1USAG EV	
	57SAT1	J.E.Sattizahn+	J,BAP,1,197(K8),1957	0	13475	1USAL AS	

2014	73UNI1	J.P.Unik+	C,73ROCH,2,19,1973	0	14298, 13454, 10642	1USAU SA
782	73DEE1	J.R.Deen+	J,ANS,17,531,1973	0	13334	1USAT EX
935		K.F.Flynn+	A,ANS,22,677,1975	0	10798	1USAA NL
49		K.M.Broom	R,TID-18776,1963	0	13095	1USAA RK
	62FAL1	K.T.Faler+	J,ANS,5,22,1962	0	13063?	1USA MTR
2082		L.D.Merriman	R,ORNL-TM-9049,1984	0	13102, 14095	1USAO RL
2069		L.E.Glendenin+	J,ANS,39,877,1981	0	12729	1USAA NL
335		M.F.Roche	R,TID-24500,1968	0	13288	1USAO RL
	67ROC1	M.F.Roche+	P,ORNL-4161,10,1967	0	13288	1USAO RL
26		N.K.Aras+	R,MIT-905-21,1965	0	13085	1USA MIT
777	73HAR2	R.M.Harbour+	R,DP-MS-73-29,1973	0	13320	1USAS RL
	73LAR4	R.P.Larsen+	P,ANL-7979,7,1973	0	12771	1USAA NL
701		R.P.Larsen+	A,ANS,14,370,1971	0	12771	1USAA NL
787	73PAR1	R.W.Parsons+	J,RRL,15,335,1973	0	13331	1CANC AN
	72RAO2	S.A.Rao+	A,ACS,,28,1972	0	13313	1USAA RK
	73BAL1	S.J.Balestrini+	R,LA-UR-73-838,1973	0	13317	1USAL AS
	77MYE1	W.A.Myers+	R,UCRL-80020,1977	0	10821	1USAL RL
1092	74MAE1	W.J.Maeck	R,ICP-1050-I,1975	0	13270,13848,13 210,13440,1086 5,	1USAI NL
	79CLE1	H.-G.Clerc+	R,IKDA-8/79,1979	0	21689	2FR ILL
2000		H.Afarideh	T, AFARIDEH,,1988	0	22111	2UK BIR
	69DEN2	H.O.Denschlag +	C,69VIENNA,,945,1969	0	22056, 22067	2GER MNZ
	66UME1	H.Umezawa	R,JAERI-1103,1966	0	22069	2JPNJA E
	76WOL1	H.Wollnik+	C,76CORSICA,,517,197 6	0	21562	2FR ILL
	61CRO2	I.F.Croall	R,AERE-R-3879,1961	21464		2UK HAR
77	58CUN1	J.G.Cunningham e	J,JIN,6,181,1958	0	13266	2UK HAR
623	72CUN1	J.G.Cunningham e+	R,AERE-R-6555,1972	0	20768	2UK HAR
803	73KRA2	J.V.Kratz+	C,73ROCH,2,95,1973	0	20521	2GER MNZ
30	67BIR1	O.Birgul+	J,RCA,8,9,1967	0	22062, 22039	2UK HAR
75	71BIR1	O.Birgul+	J,RCA,16,103,1971	0	22062, 22039, 21731	2UK KEN



30	71BIR1	O.Birgul+	J,RCA,16,103,1971	0	22062, 22039, 21731	2UK KEN	466a
405	70LYL1	S.J.Lyle+	J,RCA,13,167,1970	0	22062	2UK KEN	466a
1200		T.P.Doan+	P,NEANDC(E)- 262,1985	0	22030,	2FR BOR	
16		M.P.Anikina+	J,JNE,9,167,1959	0	40730	4CCPIT E	
	57ANI1	M.P.Anikina+	J,SJA,2,332,1957	0		4RUSI TE	
27		M.P.Anikina+	J,JNE,6,169,1957	0	40730	4CCPIT E	
16	58ANI1	M.P.Anikina+	J,SJA,4,270,1958	0	40730	4RUSI TE	
16	58ANI1	M.P.Anikina+	J,SJA,4,270,1958	0	40730	4CCPIT E	
212		V.K.Gorshkov+	J,JNE,8,69,1958	0	40363	4RUSI TE	
1202		W.N.Andreev+	J,SNP,8,22,1969	0	40527	4RUSI TE	
	74PAF1	G.Paffrath	R,NP-20343,85,1974	0	20878	0	
	71DEN1	H.O.Denschlag	T,DENSCHLAG,1971	0		0	
242		J.B.Laidler+	R,AWRE-O-049/61	0	21482	0	
	60GLE1	L.E.Glendenin	W,GLENDENIN,1960	0	13366, 13428	0	
	72BAL1	N.E.Ballou+	[J,ACS,*,(2),1972]	0	13274	0	
2114		R.Hentzschel+	C,89BERLIN,,1989	0	22176	0	
	85CHA1	T.C.Chapman+	S,BNL-51788,133,1985	0	10974	0	
76	68GRE1	A.E.Greenndale+	R,USNRDL-TR- 6911,1968	0	13266	1USAN RD	
	51FIN1	B.Finkle+	B,RCS,2,770,1951	0	13395	1USAU SA, 1USAC LI	
338		C.D.Coryell+	B,RCS,2,	0		1USAU SA	
	62COR1	C.D.Coryell+	J,ANS,5,23,1962	0	13224	1USA MIT	
	71CRO3	C.E.Crouthamel +	P,ANL-7887,32,1971	0	12771	1USAA NL	