

To : Distribution *Gryntakis*
 From : Emmanuel Gryntakis, Hervé Derrien *JD*
 Subject : Resonance Integral coverage control

15th December, 1976

1. The CCDN has performed a thorough review of the situation of the Resonance Integrals in the EXP. data files and in CINDA.
2. Only the publications which do or may contain experimental data are listed in the following tables (the latter case refers to a small number of works which could not be examined at the CCDN because unavailable).
3. The main sources on which the control was based are the following :
 - I. CINDA.1977.
 - II. E.M. Gryntakis, J.I. Kim, "A Compilation of Resonance Integrals PART I, Z = 1-52, J. Radioanalytical Chemistry, 29 (1976) 175 (Second Part to be published).
 - III. H. Albinsson, "Infinite-Dilution Resonance Integrals", IAEA, Technical Reports Series N° 156, p. 15, Vienna, 1974.
 - IV. M.K. Drake, Nucleonics, N° 8, 24 (1966) 108.
4. Table 1 gives a summary of the situation for the Resonance Integrals in the EXP. data files and in CINDA, sorted by area. Tables 2, 3 and 4 give all the works detected for Areas 1, 3 and 4, respectively.
5. In the tables the following codes have been used.

Data file		CINDA	
Code	Definition	Code	Definition
X	Compiled in EXFOR	C	In CINDA
F	In the EXP. data files but not in EXFOR (essentially old data without any comments)	-	Missing
-	Missing		

cc/ adbre *Lorenz* *Schweser* *Kammer*
Leunel *Okamoto* *Smith*
Kessler *Schmidt* *Yaghubian*

6. The result of this control of Resonance Integrals is that all the corresponding works which have been found for Area 2 are compiled in EXFOR (51.7 % new compilations and 18.4 % transmitted from NEUDADA to EXFOR). For the other Areas, the result only consists of establishing a list of the Resonance Integrals works and the corresponding Status of the compilations. It was quite easy to establish this list parallel to the control of Area 2. We realize that some omissions or errors may be found in the list (especially in the column entitled "Type" because of the many discrepancies between RIG and RIA in CINDA, in the files and in the original works) but we hope that it will help the compilers of the other Areas in their work.

Distribution : S. Pearlstein
V. Manokhin
J.J. Schmidt

TABLE 1

Summary of the situation for the Resonance
Integrals in EXP. data files and in CINDA as
of November 1976

Area	Total number of works detected	Status in the file			Status in CINDA	
		X	F	-	C	-
1	185	28 (15.1%)	82 (44.3%)	75 (40.6%)	148 (80%)	37 (20%)
2 (before revision)	87	26 (29.9%)	16 (18.4%)	45 (51.7%)	75 (86.2%)	12 (13.8%)
2 (after revision)	87	87 (100%)	-	-	87 (100%)	-
3	14	10 (71.4%)	-	4 (28.6%)	14 (100%)	-
4	21	4 (19.1%)	5 (23.9%)	12 (57%)	19 (90.5%)	2 (9.5%)

TABLE 2

List of the works on Resonance Integrals sorted by area and their status in the EXP. data files and in CINDA as of November, 1976

AREA 1

No	Reference	Lab.	Author	Type	Nuclides	Status		Comments
						File	CINDA	
1	JIN, 31(1969)3721	CAN	SIMS, +	RIG	C1-35	X	C	
2	KAPL-3980, 1972	KAP	KIROUAC, +	RIG	Ni-59	X	-	CINDA gives BAP, 20(1975)149 and 75 WASH, 775. Are they the same ?
3	NSE, 47(1972)371	ORL	BEMIS, +	RIG	Kr-85	X	C	
4	CJP, 51(1973)2441	CRC	SANTRY, +	RIG	Zr-94, Zr-96	X	C	
5	ORNL-4164, 2, 1967	ORL	DRUSCHEL, +	RIG	Nb-93, Nb-94	X	C	CINDA gives also ORNL-4306, 2, 1968. Are they the same ?
6	ANS, 14(1971)352	GA	FRICKE, +	RIG	Rh-103	X	C	
7	NSE, 46(1971)314	KAP	FULMER, +	RIA	Zr-94, Zr-96	X	C	
8	ORNL-4164, 1, 1967	ORL	HALPERIN+	RIG	Ba-140	X	C	
9	JIN, 29(1967)584	ORL	O'BRIEN, +	RIG	La-139, La-140	X	C	
10	PR/C, 11(1975)895	KAP	KIROUAC, +	RIG	Sm-151	X	C	Double entry in CINDA
11	UC 50804, RL, 1970	LRL	CZIRR.	RIG	Eu, Eu-151, Ho-165	X	C	
12	ORNL-4155, 1967	ORL	GILLETTE	RIG	Er-167	X	C	
13	NSE, 33(1968)16	MTR	SPOKES, +	RIA	Ta-182	X	C	
14	NASA-TN-D-5628, 1970	LRL	PIERCE, +	RIG	Ta-181	X	C	
15	NSE, 44(1971)180	KAP	EILAND, +	RIG	U-233, +	X	C	

16	DA/B, 34(1974)6026	STF	UNDERHILL	RIG	U-235, U-238	X	C
17	NSE, 40(1970)389	MTR	YOUNG, +	RIA	Pu-242	X	C
18	NSE, 50(1973)364	SRL	HARBOUR, +	RIG	Am-241	X	C
19	ORNL-4437, 1969	ORL	HALPERIN, +	RIG	Cm-245, Cm-246	X	C
20	ORNL-4706, 1971	ORL	HALPERIN, +	RIG	Cf-249, Cf-250, Cf-251	X	C
21	NSE, 37(1969)228	ORL	HALPERIN, +	RIG	Cf-252	X	C
22	WARD-JM-837, 1970	BEF	CONNOR	RIG	Pa-233	X	C
23	NSE, 476(1972)203	SRL	BENJAMIN, +	RIG	Cm-isotopes, Cf-249	X	C
24	NSE, 55(1974)273	MTR	SIMPSON, +	RIG	Am-243	X	C
25	JIN, 35(1973)1821	SRL	HARBOUR, +	RIG	Es-253	X	C
26	ORNL-4581, 1970	ORL	HALPERIN	RIG	Cm-245, Cm-247, Cf-249	X	C
27	JIN, 34(1972)449	SRL	MACKMURDO, +	RIG	Es-254	X	C
28	NSE, 49(1972)145	MTR	BERRETH, +	RIA	Cm-243	X	C
29	DP-817(1963)	SRL	BAUMANN, +	RIG	Na-23,	F	C
30	NUK, 10(1967)277	OTC	GEIGER, +	RIG	V-51,	F	C
31	GA-3069(1962)	GA	SAMPSON,	RIG	V-51,	F	C
32	JIN, 30(1968)349	CAN	SIMS+	RIG	Cr-50, +	F	C
33	68WASH, 1(1968)253	BNL	SHER, +	RIG	Mn-55,	F	C
34	WASH-1041/37(1962)	MTR	BERRETH, +	RIG	Mn-55,	F	C
35	JNE, 11(1960)95	ORL	JOHNSTON, +	RIG	Co-59,	F	C
36	CJP, 41(1963)1263	CRC	EASTWOOD, +	RIG	Co-59,	F	C
37	JIN, 27(1960)903	ORL	EMERY,	RIG	Br-81,	F	C

In CINDA also : ARI, 17(1966)17.

38	IDO-16760/13(1961)	MTR	SHUMAN,	RIG	Nb-93,	F	C
39	JIN, 29(1967)2853	CAN	SIMS, +	RIG	Zn-64, Se-74, Mo-98	F	-
40	ORNLI-3679(1964)	ORL	HALPERIN, +	RIA	Ru-104,	F	C
41	NSE, 21(1965)20	CRC	WERNER,	RIG	Ru-106,	F	C
42	CJP, 44(1966)1985	CRC	WALKER, +	RIG	Rh-103,	F	C
43	CJC, 36(1958)1424	CRC	ROY,	RIG	I-129	F	C
44	CJC, 38(1960)2528	CRC	BAERG,	RIA	Cs-133	F	C
45	KAPL-2000-12(1960)	KAP	FEHR, +	RIG	Cs-133	F	C
46	IN-1195(1968)	MTR	SCOVILLE, +	RIA	Rh, +	F	C
47	JNE, 13(1961)141	CRC	BROWN, +	RIG	Cs-133,	F	C
48	NSE, 20(1964)302	ORL	LANTZ, +	RIA	Ge-140,	F	C
49	NSE, 13(1962)289	ORL	LANTZ,	RIG	Ce-144	F	C
50	CJP, 37(1957)907	CRC	ROY, +	RIG	Pr-143	F	C
51	ANS, 7(1964)270	GEV	RUIZ, +	RIG	Nd-148	F	C
52	NSE, 12(1962)519	MTR	SCHUMANN,	RIG	Pm-147	F	C
53	GOVIENNA, 239(1960)	ORL	SFOUGHTON,	RIG	Pm-147	F	C
54	JIN, 29(1967)2671	CRC	SIMS+	RIG	Eu-isotopes	F	C
55	BNL-13074(1968)	BNL	MUGHABGHAB,	RIG	Gd,	F	C
56	68WASH, 20(1968)	KAP	FULMER, +	RIA	Hf-176+	F	C
57	NSE, 33(1968)350	MTR	ROGERS, +	RIA	Hf,	F	C
58	IN-1083/63(1966)	MTR	?	RIA	Lu-176	F	-
59	ANS, 5(1962)377	MTR	SCOVILLE, +	RIG	W	F	C
60	PR, 179(1969)1148	ANL	SHWE	RIG	Mo	F	C

In CINDA for Zn-64 and Se-74
but not for Mo-98

Perhaps work of Scoville, similar
with ref. 46

61	NSE, 26(1966)281	BNL	PEARLSTEIN,+	RIG	Qd-114	F	C	
62	JNE, 22(1968)191	GA	FRISENHANN,+	RIG	Rh-185	F	C	ANS, 12(1967)596 : same work ?
63	IDO-16781(1962)	MTR	FAST, +	RIA	W-184, W-186	F	C	
64	BAP, 6(1961)417	ORL	COTE, +	RIG	W-186	F	C	Double entry in CINDA
65	NAA-SR-12500(1967)	AI	BELLER,+	RIG	W-186	F	C	
66	NASA-D-4938(1968)	LRC	PIERCE,	RIA	Re	F	C	
67	NSE, 25(1966)12	MTR	SCOVILLE,+	RIA	Dy	F	C	
68	CJP, 36(1958)989	CRC	CABELL+	RIG	Th-230	F	C	
69	CJP, 37(1959)1094	CRC	CABELL+	RIG	Ac-227	F	C	
70	CJP, 40(1962)194	CRC	ATREE	RIG	Th-230	F	C	
71	PR, 176(1968)1421	ANL	COTE+	RIG	Th-230	F	C	
72	WAPD-T-1748	BET	HARDY, +	RIG	Th-232, +	F	-	Is this equivalent to NSE, 22 (1965)121 ?
73	NSE, 21(1965)406	MTR	FOELL, +	RIG	Th-232	F	C	
74	NSE, 12(1962)243	MTR	SIMPSON+	RIG	Pa-231	F	-	In CINDA as (n, Y) but not as RI
75	CP-2376, 1944	ANL	?	RIG	Th-232,	F	-	
76	IDO-16116, 1955	MTR	SMITH, +	RIG	Pa-233,	F	C	
77	CJP, 38(1960)751	CRC	EASTWOOD, +	RIG	Pa-233,	F	C	
78	ORNL-3320, 1962	ORL	HALLPERIN, +	RIG	Pa-233	F	C	
79	NSE, 21(1965)257	ORL	HALLPERIN, +	RIG	U-322	F	C	
80	NSE, 29(1967)408	BET	CONNOR, +	RIG	Pa-233	F	C	Is ref. 80 and 81 equal to ref. 22 ?
81	WAPD-TM-612, 1967	BET	CONNOR, +	RIG	Pa-233	F	C	
82	PR-CM-3, 12, 1955	CRC	?	RIG	Pu-238	F	-	
83	WASH-1053, 1964	MTR	SCOVILLE, +	RIG	Am-241,	F	C	
84	JNE, 2(1956)243	ORL	MACKLIN, +	RIG	Th-232,	F	C	

85	68 WASH-1279, 1968	SRL	FOLGER, +	RIA	Pu-242	F	C	CINDA gives ANS, 10(1967)220 and WASH-1124, 139, 1968. Are they the same ?
86	ANS, 7(1964)272	KAP	ESCH, +	RIG	U-233	F	C	
87	ORNL-TM-2140, 1968	ORL	WESTON,	RIG	U-233	F	-	
88	ORNL-3176, 1961	ORL	HALPERIN, +	RIG	U-233	F	C	
89	Private Communi- cation	CRC	BIGHAM, +	RIG	U-235	F	C	
90	CRRP-1183, 1964	CRC	BIGHAM, +	RIF	U-233	F	C	
91	WAPD-TM-613, 1967	BET	CONWAY, +	RIG	U-233	F	C	
92	AECD-4167, 1955	HAN	CLAYTON, +	RIF	U-235	F	C	
93	NSE, 9(1961)341	BET	HARDY,	RIF	U-235	F	C	
94	EAN(CAN)13/4, 1962	CRC	IONES	RIG	U-235	F	-	Are ref. 94 and 95 same as ref. 96 ?
95	EAN(CAN)17/4, 1963	CRC	CROCKER	RIG	U-235	F	-	
96	66 PARIS, 2(1966)17	CRC	DURHAM	RIG	U-235	F	C	
97	JNE, 7(1958)81	CRC	CABELL	RIG	U-236	F	C	
98	58 GENEVA, 16(1958) 64	ORL	HALPERIN	RIG	U-236	F	C	
99	NSE, 32(1968)265	SRL	BAUMANN	RIG	U-236	F	C	
100	GA-9057, 1968	GA	CARSON	RIG	U-236	F	-	CINDA gives NP/A, 141(1970)577 and WASH-1093, 54, 1968. Are they the same ?
101	PR, 80(1950)499	COL	ANDERSON	RIG	U-238	F	C	
102	NSE, 14(1962)358	WES	HARDY	RIG	U-238	F	C	
103	ANS, 12(1969)284	SRL	SPENCER,	RIF	NP-238	F	C	
104	CJP, 35(1957)147	CRC	BUTTLER, +	RIG	Pu-238	F	C	
105	IN-1026, 1967	MTR	YUNG, +	RIA	Pu-238	F	-	CINDA gives NSE, 30(1967)355. Are they the same ?

106	PR, 114(1959)505	ANL	COTE	RIA	Pu-242	F	-	CINDA gives 58 GENEVA, 16 (1958)77. Are they the same ?
107	IN-1126, 1967	MTR	SCHUMAN	RIG	Am-243	F	C	
108	PR, 166(1968)1219	LRL	BOWMAN	RIF	Am-242m	F	C	
109	58 GENEVA, 15(1958)459	MCM	?		CS-133	F	-	
110	Priv. communication 1966	STF	SHER	RIA	Co-59	F	-	For Co-59 not in CINDA. For Hf and other nuclides in CINDA
111	ANS, 5(1962)375	STF	BROWN, +	RIA	IN-115, +	-	C	
112	PR, 155(1967)1362	BNL	BHAT, +	RIA	Th-232	-	C	
113	58 GENEVA, 15(1958)127	ANL	BOLLINGER, +	RIF	Pu-239	-	C	
114	BAP, 19(1974)599	SRL	BENJAMIN, +	RIG	Cm-246, Cm-248	-	C	
115	NP/A, 141(1970)577	GA	CARLSON, +	RIG	U-236	-	C	In CINDA under the name HARVEY. Is it the same as 75 WASH, 224 ?
116	58 GENEVA, 16(1958)77	ANL	COPE, +	RIA	Pu-242, Am-243	-	C	Is it the same with ref. 100 ? Is it the same with ref. 106 ?
117	CJP, 42(1964)2384	CRC	CRAIG, +		Pu-241	-	-	Is it the same with ref. 36 ?
118	58 GENEVA, 16(1958)54	CRC	EASTWOOD, +	RIA	Co-59	-	-	CINDA gives WASH-1136, 33, 1969 and NCSAC-31, 63, 1970. Are they the same ?
119	NP/A, 146(1970)337	GA	FRIESENHAHN, +	RIA	Gd	-	-	
120	WASH-1093, 1968, p.16	BNL	GORDON, +	RIA	Cf-252	-	C	
121	PR, 79(1950)11	ANL	HARRIS, +	RIG	Na-23, +	-	C	
122	NSE, 29(1967)1	BFT	CONWAY, +	RIF	U-233, U-235	-	C	Is it the same with ref. 91 ?
123	NSE, 22(1965)121	BFT	HARDY, +	RIF	Th-232, U-233	-	C	

124	ANS, 6(1963)44	ORL	LANTZ, +	RIG	Ce-140	-	-	Is it the same with ref. 48 ?
125	PR/C, 4(1971)273	LAS	MOORE, +	RIA	Cf-252	-	-	In EXFOR, but the value 65 [±] 6 b for Res. Integral (E > 20 eV) is not given.
126	55 GENEVA, 5(1955)96	ORL	MACKLIN, +	RIG	Li, +	-	C	
127	PR, 174(1968)1400	BNL	MUGHABGHAB, +	RIA	Yb	-	C	
128	ANS, 5(1962)374	HED	NICHOLS.	RIA	Pu-240	-	-	Same experiment : NSE, 17(1963) 144 (also not in CINDA).
129	NSE, 17(1963)371	ORL	PATLONDEN, +	RIA	Sm-151, I-127, I-129	-	C	
130	NSE, 32(1968)131	LRL	PERKINS, +	RIF	Am-242m	-	C	
131	NSE, 31(1968)431	LRL	PIERCE, +	RIA	W-184, W-186	-	C	
132	ANS, 10(1967)259	MFR	ROGERS, +	RIA	As-75, +	-	C	
133	ANS, 12(1969)749	COL	RAHN, +	RIA	Eu-151, +	-	C	
134	NSE, 48(1972)219	COL	RAHN, +	RIA	Sm-152, +	-	C	In EXFOR, but the value of Res. Integral is not given.
135	ANS, 6(1963)41	BNL	SEHGAL.	RIA	Th-232	-	C	
136	WASH-1136, 1969, p.52	MFR	SCHUMAN.	RIA	Nb-93, Nb-94	-	C	
137	WASH-1136, 1969, p.51	MFR	SCHUMAN.	RIG	Pu-244	-	C	
138	PR, 159(1967)1050	ANL	SHWE, +	RIA	La-139	-	C	
139	JIN, 32(1970)2839	CAN	SIMS, +	RIG	Ca-44, +	-	-	
140	ANS, 6(1963)43	MFR	SIMPSON, +	RIA	Pu-238, +	-	-	
141	NSE, 28(1967)133	MFR	SIMPSON, +	RIA	Pa-233	-	C	
142	JIN, 33(1971)1553	SRL	THOMPSON, +	RIF	Cm-244, Cm-248	-	C	
143	CJP, 38(1960)57	CRC	WALKER, +	RIG	Mn-55, In-115, Pu-240	-	C	
144	NSE, 34(1968)1	ORL	WESTON, +	RIG	U-233	-	-	Compare with ref. 87 and 145. Are they the same ?

145	ANS, 10(1967)220	ORL	WESTON, +	RIG RIF	U-233 U-233	-	C	Compare with ref. 87 and 144. Are they the same ?
146	NSE, 30(1967)355	MTR	YOUNG, +	RIA	Pu-238	-	C	
147	CJP, 39(1961)1184	CRC	WALKER, +	RIA	Sm-152	-	C	
148	CJP, 39(1961)1193	CRC	CHRISTEN.	RIA	Sm-152	-	-	
149	JIN, 29(1967)593	CAN	SIMS.	RIG	Na-22	-	C	Is it compiled ?
150	NAP, 4(1968)190	CRC	DE LANGE	RIG	In-115, +	-	-	
151	KAPL-2000-16, 1961	KAP	FEINER.	RIG	Mu-55,	-	-	
152	GA-3069, 1962	GA	BARDES, +	RIG	Mu-55,	-	C	
153	55-IAEA, 251	ITP	BARRALL, +	RIG	Mu-55	-	C	
154	KAPL-2000-12, 1960	KAP	FEINER,	RIG	Co-59,	-	-	
155	IDO-16744, 1962	MTR	HOGG, +	RIA	Co-58,	-	C	
156	ORNL-3676, 1964, p. 16	ORL	HALPERIN, +	RIG	Co-58	-	-	Perhaps ORNL-3679 so that same as ref. 40
157	HP, 10(1964)315	ANL	ANDERSON.	RIG	Cu-63	-	C	
158	NSE, 47(1972)151	MIN	BRADLEY, +	RIG	Br-80	-	C	
159	ANS, 2(1959)121	KAP	SKOLNIK, +	RIG	Zr-91	-	C	
160	ORNL-3994, 1966, p. 2	ORL	HALPERIN, +	RIA	Ru-105	-	C	
161	ORNL-3488, 1963, p. 15	ORL	HALPERIN, +	RIG	I-131	-	C	
162	EAND(CAN)-16, 1963	CRC	EASTWOOD, +	RIG	Xe-124, Xe-134	-	C	
163	NSE, 43(1971)58	MTR	CODDING, +	RIA	Pm-147	-	-	Is it compiled ?
164	NSE, 52(1973)310	KAP	KIROUAC, +	RIA	Pm-147	-	C	Is it compiled ?
165	71 KNOX, 673	KAP	EILAND, +	RIA	Sm-147, Sm-150	-	C	CINDA gives WASH-1039, 30, 1962. Are they the same ?
166	ANS, 5(1962)376	ORL	HALPERIN, +	RIG	Sm-150	-	-	
167	ORNL-3832, 1965, p. 7	ORL	LANTZ, +	RIA	Gd-154	-	C	

168	66 S.DIEGO,2,175	STF	LESAGE,+	RIA	Ta-181,+	-	C	
169	ANL-6580,1962,p.32	ANL	?	RIA	W,+	-	-	
170	NSE,31(1968)431	LRC	PIERCE,+	RIA	W-184,	-	C	
171	DP-608,1961	SRL	JACKS.	RIA	W-186,	-	-	
172	ORNL-4013,1965,p.5	ORL	GILLETTE.	RIA	W-186,	-	C	
173	66 WASH,1966,p,171	FLA	KARAM,+	RIA	Re	-	C	
174	ANS,9(1966)248	STF	SHER,+	RIA	Re,	-	-	
175	ANS,10(1967)261	LRC	SHOOK,+	RIA	Re,Re-185,	-	-	
					Re-187	-	-	
176	DA/B,27(1966)1244	STF	BROWN,+	RIG	Re-185	-	C	
177	ANS,16(1973)316	TEX	DEEN,+	RIF	Th-232	-	C	
178	66 PARIS,2(1966)233	ORL	DE SAUSSURE,	RIG	U-235	-	C	Is it compiled ?
				RIF				
179	68 WASH-1271,1968	SRL	HENNELLY,+	RIA	U-235	-	C	
180	BAP,1(1956)187	BNL	PILCHER,+	RIA	U-236	-	C	
181	PNE,2(1958)51	BNL	HARVEY,+	RIA	U-236	-	-	
182	PR,99(1955)10	BNL	HARVEY,+	RIA	U-238	-	C	
183	PR,10 (1957)661	ANL	BOLLINGER,+	RIG	U-238	-	C	
184	NAA-SR-12271,1967	AI	DUNFORD,+	RIG	Pu-238,+	-	-	
				RIF				
185	CRC-633,1956	CRC	CORNISH,+	RIG	Pu-239	-	C	

TABLE 3

List of the works on Resonance Integrals sorted by area and their status in the EXP. data files and in CINDA as of November, 1976

AREA 3

No.	Reference	Lab.	Author	Type	Nuclides	Status		Comments
						File	CINDA	
1	NKA, 13(1968)881	IBJ	LATEK, +	RIG	Ag, Ta	-	C	
2	AAEC/TM-466, 1968	AUA	WALL	RIG	In-115, Au-197, W-186, Co-59	-	C	
3	JNE/AB, 16(1962)291	ISL	BEN-DAVID, +	RIG	Na-23, Mn-55, In-115, Au-197	-	C	
4	THAI-AEC-10, 1967 KE, 14(1971)73	BAN ROS	- HUETTEL.	RIG RIG	Br-81, + Co, Dy, In, Rh, Ag, Tl	- X	C C	
6	BKN, 19(1968)13	BKB	KOCIC; +	RIG	Zirconlog, Zr	X	C	
7	BKN, 18(1967)11	BKB	MARKOVIC, +	RIG	Ag	X	C	
8	BKN, 22(1971)1	BKB	MARKOVIC, +	RIG	Cu, Ta	X	C	
9	INDC(ARG)-7, 1973	CNE	RICABARRA, +	RIG	Nd-146, Nd-148, Nd-150	X	C	Same as CJP, 51(1973)1454
10	CJP, 46(1968)2473	CNE	RICABARRA, +	RIG	Se-74, +	X	C	
11	CJP, 47(1969)2031	CNE	RICABARRA, +	RIG	Zn-64, +	X	C	
12	CJP, 48(1970)2362	CNE	RICABARRA, +	RIG	Zr-94, +	X	C	
13	70 HELLS, 2, 1970, p. 589	CNE	RICABARRA, +	RIG	Ge-76, +	X	C	
14	CJP, 50(1972)1978	CNE	RICABARRA, +	RIG	Ge-74, +	X	C	

TABLE 4

List of the works on Resonance Integrals sorted by area and their status in the EXP. data files and in CINDA as of November, 1976

AREA 4

№	Reference	Lab.	Author	Type	Nuclides	Status		Comments
						File	CINDA	
1	AE, 39(1975)285	FBI	ZHURAVLEV, +	RIF	Pu-239, +	-	C	
2	AE, 8(1960)47	KUR	KONAKHAVI- CH, +	RIF	Th-229	-	C	Transl. in SJA, 8(1961)39
3	AE, 24(1968)351	DUB	RYABOV, +	RIG RIF	U-235	-	-	In CINDA, XFI, 5(1967)61. Are they the same?
4	55 GENEVA, 5(1956)91	CCP	SPIVAK, +	RIA	Fe, +	-	C	
5	AE, 28(1970)359	CCP	BAK, +	RIF	U-235, +	-	C	
6	55 GENEVA, 5(1956) 170	CCP	SPIVAK, +	RIA	Pu-240, +	-	C	
7	AE, 1(1956)27	CCP	EROZOLIMSKY,	RIA	Pu-240,	-	C	Transl. in JNE, 4(1957)86
8	ZET, 47(1964)795	LEB	KONKS, +	RIA	Pl, +	-	C	Transl. in JET, 20(1965)531
9	AE, 15(1963)120	CCP	KAPCHIGASHEV	RIA	W, +	-	C	
10	ZET, 46(1964)80	LEB	KONKS, +	RIA	La-139, +	-	C	Transl. in JET, 19(1965)59
11	INDSWG-64, 1964, p. 75	FBI	PROKHOROV, +	ABS	Cr, +	-	C	
12	JNE/AB, 14(1961)76	LEB	KASHUKKEEV, +	ABS	Cl	-	C	
13	AE, 3(1957)507	CCP	KLIMENTOV, +	RIA	Li, +	F	C	
14	AE, 2(1957)240	CCP	KRUPCHINSKY,	RIA	Pu-240	F	C	Transl. in JNE, 6(1957)155 and SJA, 2(1957)291

15	AE, 2(1957)22	ITE	MYASISHEVA, +	RIA	Th-232	F	C	Transl. in JNE, 5(1957)230
16	YFI, 1(1965)229	CCP	-	RIG	Sc-45,	F	-	
17	INDC/140, 21, 1966	FBI	KONDUROV, +	RIG	Co-58	F	C	
18	AE, 23(1967)316	CCP	BAK, +	RIA	Am-241	X	C	
19	AE, 19(1965)294	CCP	KAPCHIGASHEV, +	RIG	V, +	X	C	
20	AE, 26(1969)507	ITE	KALEBIN, +	RIA	Th-230	X	C	
21	AE, 32(1972)178	CCP	ALEKSANDROV, +	RIA	Pa-231	X	C	Transl. in SJA, 23(1967)1059