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Title: More Type 1 Cross-Section Files

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November 9, 1994

To: Stephanie Frankle, X-6, MS B226
From: R. E. Seamon, X-6, MS B226
Subject: More Type 1 Cross-Section Files
Symbol: X-6:RES-94-informal

Pursuant to your requests for comments in Refs. 1 and 2, I stated that we needed to have Type 1 libraries for neutxsl, neutxsd1, e4xsl, fe541, gd2hed11, and rmccsbl in order that all ZAIDs in Appendix G of the MCNPTM Version 4A manual (Ref. 3) would be available under the cfs node /x6data/ce/typel. You pointed out that rmccsbl was there even if not listed and that the other Type 1 files suggested did not exist anywhere in Type 1 format. That problem has been addressed, and there are Type 1 files for the 10 ZAIDs available under the node /restlc/myredstuff with appropriate directory lines in /restlc/myredstuff/ndira. Those ten lines are listed in Table I.

I used MYMACE9 (Ref. 4) to translate the following Type 3 files to Type 1 files.

Type 3	Type 1
dir=/x6xs/ctss/3	dir=/restlc/myredstuff
neutxs3 7544 bytes 85/05/31	neutxsl 14570 bytes 11/09/94 11:17
neutxsd3 14472 bytes 85/05/31	neutxsd1 32077 bytes 11/09/94 11:17
e4xs3 1138688 bytes 84/11/20	e4xsl 2854977 bytes 11/09/94 11:17
gd2hed13 253952 bytes 87/02/24	gd2hed11 629269 bytes 11/09/94 11:17
u600k3 1511424 bytes 85/09/18	u600k1 3817672 bytes 11/09/94 11:17
dir=/x6xs/ctss/2	
fe542 1253376 bytes 86/10/02	fe541 3150987 bytes 11/09/94 14:20
	ndira 850 bytes 11/09/94 14:20

The Type 2 file fe542 was translated using MAKXSf (Ref. 5).

REFERENCES

1. S. Frankle, "Data Team Meeting Summary," Los Alamos National Laboratory internal memorandum X-6:SCF-94-716 to Distribution (November 3, 1994).
2. S. Frankle, "What's Really at RSIC," Los Alamos National Laboratory internal memorandum X-6:SCF-94-734 to Distribution (November 4, 1994).
3. J. F. Briesmeister, editor, "MCNPTM - A General Monte Carlo N-Particle Transport Code Version 4A," Los Alamos National Laboratory manual LA-12625-M (November 1993).
4. R. E. Seamon, "MYMACE9 on UNICOS," Los Alamos National Laboratory internal memorandum X-6:RES-94-405 to R. E. H. Clark (June 29, 1994).
5. R. E. Seamon, "MAKXSf under /prgms/usr," Los Alamos National Laboratory internal memorandum X-6:RES-94-informal to S. Frankle (November 9, 1994).

Table I

Directory Lines for New Type 1 Files

/restlc/myredstuff/ndira 94Nov09 14:22

1	1.32c	1.0000	neutxs1	/restlc/myredstuff/neutxs1	1	1	697	0	0	0.00E+00
2	1.32d	1.0000	neutxsd1	/restlc/myredstuff/neutxsd1	1	1	1562	0	0	0.00E+00
3	11023.40c	22.7923	e4xs1	/restlc/myredstuff/e4xs1	1	1	35150	0	0	2.53E-08
4	12000.40c	24.0963	e4xs1	/restlc/myredstuff/e4xs1	1	8801	29702	0	0	2.53E-08
5	14000.40c	27.8440	e4xs1	/restlc/myredstuff/e4xs1	1	16239	76071	0	0	2.53E-08
6	26000.54c	55.3650	fe541	/restlc/myredstuff/fe541	1	1	155574	0	0	2.53E-08
7	64152.52c	150.6150	gd2hed11	/restlc/myredstuff/gd2hed11	1	1	15838	0	0	2.53E-08
8	64152.53c	150.6150	gd2hed11	/restlc/myredstuff/gd2hed11	1	3973	15196	0	0	6.75E-08
9	92235.52c	233.0250	u600k1	/restlc/myredstuff/u600k1	1	1	65286	0	0	5.06E-08
10	92238.52c	236.0060	u600k1	/restlc/myredstuff/u600k1	1	16335	123199	0	0	5.06E-08

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