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===== Merger
PROGRAM MERGER Merger
===== Merger
VERSION 80-1 (JANUARY 1980) Merger
VERSION 80-2 (DECEMBER 1980) Merger
VERSION 82-1 (JANUARY 1982) Merger
VERSION 83-1 (JANUARY 1983) *NEW, MORE COMPATIBLE I/O UNIT NUMBERS. Merger
VERSION 85-1 (AUGUST 1985) *FORTRAN-77/H VERSION Merger
VERSION 86-1 (JANUARY 1986) *ENDF/B-VI FORMATS Merger
VERSION 88-1 (JULY 1988) *OPTION...INTERNALLY DEFINE ALL I/O Merger
FILE NAMES (SEE, SUBROUTINES FILIO1 Merger
AND FILIO2 FOR DETAILS). Merger
*IMPROVED BASED ON USER COMMENTS. Merger
VERSION 89-1 (JANUARY 1989) *PSYCHOANALYZED BY PROGRAM FREUD TO Merger
INSURE PROGRAM WILL NOT DO ANYTHING Merger
CRAZY. Merger
*UPDATED TO USE NEW PROGRAM CONVERT Merger
KEYWORDS. Merger
*ADDED LIVERMORE CIVIC COMPILER Merger
CONVENTIONS. Merger
VERSION 92-1 (JANUARY 1992) *UPDATED BASED ON USER COMMENTS Merger
*ADDED FORTRAN SAVE OPTION Merger
VERSION 92-2 (JULY 1992) *ALLOW UP TO 99 ENDF/B DATA FILES. Merger
(TO ALLOW MANAGEMENT OF THE ENTIRE Merger
ENDF/B SYSTEM). Merger
VERSION 94-1 (JANUARY 1994) *VARIABLE ENDF/B DATA FILENAMES Merger
TO ALLOW ACCESS TO FILE STRUCTURES Merger
(WARNING - INPUT PARAMETER FORMAT Merger
HAS BEEN CHANGED) Merger
*ONLY SPECIFY FILENAMES - NO UNIT Merger
NUMBERS ON INPUT (WARNING - INPUT Merger
PARAMETERS FORMAT HAS BEEN CHANGED) Merger
*CLOSE ALL FILES BEFORE TERMINATING Merger
(SEE, SUBROUTINE ENDIT) Merger
*REQUEST LOG DELETED Merger
VERSION 96-1 (JANUARY 1996) *COMPLETE RE-WRITE Merger
*IMPROVED COMPUTER INDEPENDENCE Merger
*ALL DOUBLE PRECISION Merger
*ON SCREEN OUTPUT Merger
*UNIFORM TREATMENT OF ENDF/B I/O Merger
*IMPROVED OUTPUT PRECISION Merger
VERSION 99-1 (MARCH 1999) *GENERAL IMPROVEMENTS BASED ON Merger
USER FEEDBACK Merger
VERS. 2000-1 (FEBRUARY 2000) *GENERAL IMPROVEMENTS BASED ON Merger
USER FEEDBACK Merger
VERS. 2002-1 (MAY 2002) *OPTIONAL INPUT PARAMETERS Merger
VERS. 2004-1 (MARCH 2004) *ADDED INCLUDE TO DEFINE COMMON Merger
*ADDED TEND LINE IF NO DATA RETRIEVED Merger
VERS. 2007-1 (JAN. 2007) *CHECKED AGAINST ALL ENDF/B-VII. Merger
VERS. 2007-2 (JUNE 2007) *UP, TO 1,000 ENDF/B FILES. Merger
*72 CHARACTER FILE NAMES. Merger
VERS. 2010-1 (Apr. 2010) *General update based on user feedback Merger
VERS. 2012-1 (Aug. 2012) *Added CODENAME Merger
*32 and 64 bit Compatible Merger
*Added ERROR stop Merger
VERS. 2015-1 (Jan. 2015) *Replaced ALL 3 way IF Statements. Merger
VERS. 2017-1 (May 2017) *Updated based on user feedbck. Merger
Merger
OWNED, MAINTAINED AND DISTRIBUTED BY Merger
----- Merger
THE NUCLEAR DATA SECTION Merger
INTERNATIONAL ATOMIC ENERGY AGENCY Merger

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1	1-72	A72	FILENAME FOR MERGED OUTPUT. (LEAVE BLANK FOR STANDARD = ENDFB.OUT)	Merger
2	1-66	16A4,A2	MERGED FILE LABEL IF BLANK - LABEL FROM FIRST FILE READ WILL BE OUTPUT	Merger
	67-70	I4	MERGED FILE ENDF/B NUMBER IF ZERO - NUMBER OF FIRST FILE READ WILL BE OUTPUT.	Merger
	71-72	I2	RETRIEVAL CRITERIA = 0 - MAT/MF/MT RANGES = 1 - ZA/MF/MT RANGES	Merger
3-N	1-72	A72	FILENAME FOR FILE TO RETRIEVE DATA FROM (LEAVE BLANK FOR STANDARD..ENDFB.IN1,ETC.) TERMINATE LIST OF FILES WITH A LINE THAT SAYS END OR end	Merger
VARY	1- 6	I6	LOWER PRIMARY LIMIT (MAT OR ZA)	Merger
	7- 8	I2	LOWER MF LIMIT	Merger
	9-11	I3	LOWER MT LIMIT	Merger
	12-17	I6	UPPER PRIMARY LIMIT (MAT OR ZA)	Merger
	18-19	I2	UPPER MF LIMIT	Merger
	20-22	I3	UPPER MT LIMIT RANGES OF MAT/MF/MT OR ZA/MF/MT TO BE RETRIEVED ARE SPECIFIED BY DEFINING ONE RANGE (LOWER AND UPPER LIMITS) PER CARD. THE USER MAY SPECIFY 0 TO 100 RANGES AND THE LIST OF REQUEST RANGES IS TERMINATED BY A BLANK CARD. IF THE FIRST CARD IS BLANK (0 REQUESTS) ALL DATA WILL BE RETRIEVED. IF THE UPPER PRIMARY CRITERIA (MAT OR ZA) IS LESS THAN THE LOWER PRIMARY CRITERIA, THE UPPER PRIMARY CRITERIA WILL BE SET EQUAL TO THE LOWER PRIMARY CRITERIA. IF THE UPPER MF OR MT LIMIT IS ZERO, OR BLANK, IT WILL BE SET TO THE MAXIMUM POSSIBLE VALUE, I.E. MF=99 OR MT=999 (SEE EXAMPLE INPUT).	Merger
EXAMPLE INPUT NO. 1				Merger
-----				Merger
MERGE ENDF/B DATA ONTO UNIT 10 FROM UNITS 11, 12, 13 AND 14. RETRIEVE DATA BY MAT NUMBER. RETRIEVE MATS 1103, 1106, ALL MATS BETWEEN 1204 AND 1215, MF=1, 3, 4 AND 5 OF MAT 1219 AND MF=3, MT=1 OF MAT 1304. USE STANDARD FILENAMES.				Merger
THE FOLLOWING 13 INPUT CARDS ARE REQUIRED.				Merger
ENDFB.OUT				Merger
EXAMPLE FILE LABEL FOR MERGER				0 0 Merger
ENDFB.IN1				Merger
ENDFB.IN2				Merger
ENDFB.IN3				Merger
ENDFB.IN4				Merger
END				Merger
	1103		4317 (UPPER LIMIT SET TO 1103/99/999)	Merger
	1106		4317 (UPPER LIMIT SET TO 1106/99/999)	Merger
	1204	1215	4317 (UPPER LIMIT SET TO 1215/99/999)	Merger
	1219 1	1219 1	4317 (UPPER LIMIT SET TO 1219/ 1/999)	Merger
	1219 3	1219 5	4317 (UPPER LIMIT SET TO 1219/ 5/999)	Merger
	1304 3 1	1304 3 1	4317 (UPPER LIMIT COMPLETELY DEFINED) (BLANK CARD TERMINATES REQUESTS)	Merger
				Merger

