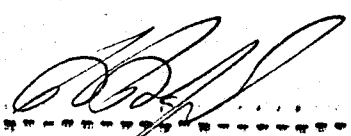


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MEMO CP-M/7

DATE : II.09.84  
FROM : CDFE  
SUBJECT : DICTIONARY ADDITIONS.  
REFERENCE : MEMO CP-D/129, MEMO CP-M/6.  
TO : DISTRIBUTION

FOLLOWING REMARKS OF MEMO CP-D/129 CDFE PROPOSE SOME DICTIONARY ADDITIONS (ANNEX1).

  
B.S. ISHKHANOV

DIS	DISTRIBUTION :	
	J. J. SCHMIDT	NDS
	H. D. LEMMEL	NDS
	S. PEARLSTEIN	NNDC
	N. TUBBS	NEA-DB
	A. HASHIZUME	RIKEN
	H. TANAKA	STUDY GROUP
	F. E. CHUKREEV	CAJAD
	V. N. MANOKHIN	CJD

cc. Cullen  
Gandarias Kouz  
Lammer  
Lemmel  
Ohamoto  
Oshomuvwe  
Schmidt  
Schwese  
Seit

ANNEX 1

\*\*\*\*\*

DICTIONARY 2. INFORMATION IDENTIFIER KEYWORDS :

EMS-SEC (SECONDARY EFFECTIVE MASS)  
 MOM-SEC (SECONDARY LINEAR MOMENTUM)

DICTIONARY 24. DATA-HEADING KEYWORDS :

M LINEAR MOMENTUM OF OUTGOING PARTICLES.  
 M1 LINEAR MOMENTUM OF OUTGOING PARTICLES;  
 AS DEFINED IN BIB-SECTION  
 M1-MIN LOW LIMIT OF OUTGOING PARTICLES LINEAR MOMENTUM,  
 AS DEFINED IN BIB-SECTION  
 M1-MAX HIGH LIMIT OF OUTGOING PARTICLES LINEAR MOMENTUM;  
 AS DEFINED IN BIB-SECTION  
 M2 LINEAR MOMENTUM OF OUTGOING PARTICLES;  
 AS DEFINED IN BIB-SECTION  
 M2-MIN LOW LIMIT OF OUTGOING PARTICLES LINEAR MOMENTUM,  
 AS DEFINED IN BIB-SECTION  
 M2-MAX HIGH LIMIT OF OUTGOING PARTICLES LINEAR MOMENTUM;  
 AS DEFINED IN BIB-SECTION  
 M3 LINEAR MOMENTUM OF OUTGOING PARTICLES;  
 AS DEFINED IN BIB-SECTION  
 M4 LINEAR MOMENTUM OF OUTGOING PARTICLES;  
 AS DEFINED IN BIB-SECTION  
 M5 LINEAR MOMENTUM OF OUTGOING PARTICLES;  
 AS DEFINED IN BIB-SECTION  
 EMS EFFECTIVE MASS SQUARED  
 EMS1 EFFECTIVE MASS SQUARED, AS DEFINED IN BIB-SECTION  
 EMS1-MIN LOW LIMIT OF EFFECTIVE MASS SQUARED,  
 AS DEFINED IN BIB-SECTION  
 EMS1-MAX HIGH LIMIT OF EFFECTIVE MASS SQUARED,  
 AS DEFINED IN BIB-SECTION  
 EMS2 EFFECTIVE MASS SQUARED, AS DEFINED IN BIB-SECTION  
 EMS2-MIN LOW LIMIT OF EFFECTIVE MASS SQUARED,  
 AS DEFINED IN BIB-SECTION  
 EMS2-MAX HIGH LIMIT OF EFFECTIVE MASS SQUARED,  
 AS DEFINED IN BIB-SECTION  
 EMS3 EFFECTIVE MASS SQUARED, AS DEFINED IN BIB-SECTION  
 EMS4 EFFECTIVE MASS SQUARED, AS DEFINED IN BIB-SECTION  
 EMS5 EFFECTIVE MASS SQUARED, AS DEFINED IN BIB-SECTION

DICTIONARY 25. DATA UNIT KEYWORDS :

EV/C EV PER LIGHT VELOCITY.  
 KEV/C  
 MEV/C  
 EV2 EV SQUARED  
 KEV2  
 MEV2  
 GEV2

DICTIONARY 28. INCIDENT PARTICLES (REACTION SF2) :

E (ELECTRONS)

DICTIONARY 30. PROCESS (REACTION SF3) :

PAIR ELECTRON-POSITRON PAIR PRODUCTION

DICTIONARY 32. PARAMETER (REACTION SF4) :

ECO ENERGY CORRELATIONS  
 MCO LINEAR MOMENTUM CORRELATIONS  
 EMC EFFECTIVE MASS CORRELATIONS

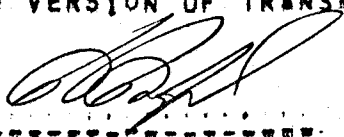
DICTIONARY 36. QUANTITIES (REACTION SF5-SF8) :

,DE,P (ENERGY SPECTRUM OF PROTONS)  
 ,DE,D (ENERGY SPECTRUM OF DEUTERONS)

MEMO CP-M/6

DATE : II.09.84  
FROM : CDFE  
SUBJECT : COMMENTS ON TRANS-M003.  
REFERENCE : MEMO CP-D/129  
TO : DISTRIBUTION

FOLLOWING THE COMMENT OF MEMO CP-D/129 THE NEXT RECORDS (ANNEXI)  
HAVE BEEN INCLUDED IN TRANS-M003.  
CDFE HAVE THE POSSIBILITY SEND NDS THE NEW VERSION OF TRANS-M003  
IF IT IS NECESSARY.

  
B.S. ISHKHANOV

DISTRIBUTION :

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A. HASHIZUME	RIKEN
H. TANAKA	STUDY GROUP
F. E. CHUKREEV	CAJAC
V. N. MANOKHIN	CJD

cc. Fuller  
Gandarias Long  
Lammes  
Lemmel  
Osumoto  
Oshomeuwe  
Schmidt  
Schweses  
Seits

ANNEX 1  
\*\*\*\*\*

M0027

SUBENTRIES 2-5 : REACTION SF7 IS CODED 'G'.  
SUBENTRIES 2-4 : COMMON SECTION IS : E

MEV  
32.0

M0028

SUBENTRY 5 : COMMON SECTION IS : E

MEV  
15.3

-----  
DATA HEAD IN DATA SECTION IS 'EN-MAX', (FIRST COLUMN)  
SUBENTRY 6 : COMMON SECTION IS : EN-MAX

MEV  
20.9

SUBENTRY 7 : COMMON SECTION IS : EN-MAX

MEV  
19.6

M0029 : NO CORRECTIONS.

M0030

SUBENTRIES 2-4 : REACTION SF7 ARE CODED 'D', 'P', 'N' RESPECTIVELY.  
SUBENTRIES 5-7 : REACTION SF6 IS CODED 'ECO', \*\*\*NEW CODE\*\*\*  
SUBENTRIES 8-12 : REACTION SF6 IS CODED 'DA',  
CHANGE IN BIB SECTION :  
TOTAL KINETIC ENERGY OF P-N PAIR.

EN-SEC (E)

M0032

SUBENTRIES 2-15 : REACTION SF5 IS CODED 'PAIR', \*\*\*NEW CODE\*\*\*

M0033

SUBENTRIES 2-5 : REACTION SF6 IS CODED 'PAR'.  
CHANGE IN BIB SECTION :  
ENERGY OF RELATIVE MOVEMENT OF PROTON AND NEUTRON,  
(E-P), (E-N), (E-B) - CONSEQUENTLY KINETIC ENERGIES  
OF PROTON, NEUTRON AND B-10 NUCLEI IN S.C.M.

EN-SEC (E)

M0034

SUBENTRIES 2-3 : REACTION SF6 IS CODED 'AH',

M0035

SUBENTRIES 2-10 : REACTION SF6 IS CODED 'ECO', \*\*\*NEW CODE\*\*\*  
SUBENTRIES 2-4 : CHANGE IN BIB SECTION ;  
EN-SEC (E) THE RELATIVE ENERGY OF P-N PAIR.  
SUBENTRIES 5-7 : CHANGE IN BIB SECTION ;  
EN-SEC (E) THE RELATIVE ENERGY OF D-P PAIR.  
SUBENTRIES 8-10 : CHANGE IN BIB SECTION ;  
EN-SEC (E) THE RELATIVE ENERGY OF D-N PAIR.  
SUBENTRIES 11-19 : REACTION SF6 IS CODED 'COR'.  
SUBENTRIES 20-21 : REACTION SF6 IS CODED 'ECO', \*\*\*NEW CODE\*\*\*  
CHANGE IN BIB SECTION ;  
EN-SEC (E)  $E_{rel} = (T(P) - T(N)) / (T(P) + T(N))$  WHERE T(P) AND T(N) ARE  
KINETIC ENERGIES OF PROTON AND NEUTRON RESPECTIVELY.  
SUBENTRIES 22-23 : REACTION SF6 IS CODED 'MCO', \*\*\*NEW CODE\*\*\*  
DELETE EN-SEC LINES IN BIB SECTION.  
ADD IN BIB SECTION KEYWORD LINES  
(\*\*\*NEW KEYWORD\*\*\*) :

MOM-SEC (M)  $M_{rel} = P(P) - P(N)$ , WHERE P(P) AND P(N) ARE MOMENTA  
OF PROTON AND NEUTRON RESPECTIVELY.

-----  
DATA HEAD AND DATA UNIT IN DATA SECTION ARE  
'M', 'MEV/C' RESPECTIVELY, \*\*\*NEW CODE\*\*\*

SUBENTRIES 24-27 : REACTION SF7 IS CODED 'D'.  
CHANGE IN BIB SECTION :

EN-SEC (E1) E1 IS THE DEUTERON ENERGY IN LAB SYSTEM.  
 SUBENTRIES 28-32 : REACTION SF6 IS CODED 'EMC', \*\*\*NEW CODE\*\*\*  
 DELETE MISC-COL LINES IN BIB SECTION.  
 ADD IN BIB SECTION ;

EMS-SEC (EMS1) DISTRIBUTION OF SECONDARY PARTICLES PAIRS  
 IN THIS SUBJECT IS GIVEN AS FUNCTION OF EFFECTIVE  
 MASS SQUARED FOR (PN)-SYSTEM (GEV\*\*2)

-----  
 DATA HEAD AND DATA UNIT IN DATA SECTION ARE  
 'EMS1', 'GEV2' RESPECTIVELY. \*\*\*NEW CODE\*\*\*  
 (FIRST COLUMN)

M0036

SUBENTRIES 2-4 : REACTION SF6 IS CODED 'TTY/DA',  
 DATA UNIT IN DATA SECTION IS 'THICKNESS',  
 (FIRST COLUMN)  
 COMMON SECTION IS :

	ANG	EN-MAX
	ADEG	MEV
SUB 2 ->	30.	200.
SUB 3 ->	90.	200.
SUB 4 ->	150.	200.

SUBENTRIES 5-7 : DELETE EN-SEC LINES IN BIB SECTIONS,  
 DATA HEAD IN COMMON SECTION IS 'EN-MAX',

SUBENTRIES 8-13 : REACTION SF6 IS CODED 'PY/DA',  
 COMMON SECTION IS :

	THICKNESS	EN-MAX
	ARB-UNITS	MEV
SUB 8 ->	1.	200.
SUB 9 ->	2.	200.
SUB 10 ->	3.	200.
SUB 11 ->	4.	200.
SUB 12 ->	8.	200.
SUB 13 ->	16.	200.

SUBENTRY 14 : REACTION SF6 IS CODED 'TTY',  
 DELETE EN-SEC LINES IN BIB SECTION.  
 DATA HEAD IN DATA SECTION IS 'EN-MAX',  
 (FIRST COLUMN)

M0037

SUBENTRY 2 : DELETE COMMENT POINTER LINES IN BIB SECTION,  
 ADD LINES IN BIB SECTIONS ;

MISC-COL (MISC1) A IS COEFFICIENT OF ANGULAR DISTRIBUTION,  
 (MISC2) B IS COEFFICIENT OF ANGULAR DISTRIBUTION.

-----  
 DATA HEADS IN DATA SECTION ARE :  
 EN-MAX, MISC1, MISC1-ERR, MISC2, MISC2-ERR RESPECTIVELY.

SUBENTRIES 4-6 : COMMON SECTION IS : MOMENTUM L  
 NO-DIM

SUB 4 ->	0.
SUB 5 ->	1.
SUB 6 ->	2.

M0038

SUBENTRIES 2-7 : REACTION SF6 IS CODED 'AH'.

M0039

SUBENTRY 2 : CHANGE IN DATA SECTION ;  
 START VALUES IN DATA SECTION (SUB-2, 1-ST COLUMN) ARE :  
 13., 14., 15., 16., 17., 18., 19., 20., 21., 22., 23., 24., 25., 26., ...  
 (NEXT VALUES SEE IN DATA SECTION)

SUBENTRY 3 : COMMON SECTION IS :  
 E-LVL SPIN J PARITY  
 MEV NO-DIM NO-DIM

