

Memo CP-E/001

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To: Distribution

From: K.Kato and Y.Ohbayasi

Date: 2001-03-13

Subject: Proposed additions to Dictionary 36:
New quantity codes PRE,AP/DA,FF and ,DA,HF.

we propose to add these "two" new quantities to dictionary 36,

- I.) **PRE,AP/DA,FF** ; Centroids of the mass distribution of the primary fission fragments as a function of the scattering angle,
- II.) **,DA,HF** ; Relative angular distributions of the HEAVY fragments,

Such measurements were reported in a paper by H. Ikezoke et al., Z. Phys. A, 330, 289, 1988 and compiled in entry E1357 (new subentries transmitted on TRANS E019).

As an example, one of the relevant subentries is given on the next pages.

Distribution:

DUNFORD@BNLND2 . DNE . BNL . GOV
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NORDBORG@NEA . FR
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MANOKHIN@IPPE . RSSI . RU
MAEV@IPPE . RSSI . RU
MAY@OBNINSK . RU
FELIKS@POLYN . KIAE . SU
CHUKREEV@POLYN . KIAE . SU
DUNAEVA@EXPD . VNIIEF . RU
VARLAMOV@CDFE . NPI . MSU . SU
CHIBA@EARTH . SGU . AC . JP
KATO@NUCL . SCI . HOKUDAI . AC . JP
TENDOW@POSTMAN . RIKEN . GO . JP
YXZHUANG@MIPSA . CIAE . AC . CN
CNDC@MIPSA . CIAE . AC . CN
TARKANYI@ATOMKI . HU
TAKACS-S@ATOMKI . HU
HASEGAWA@CRACKER . TOKAI . JAERI . GO . J
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VLASOV@KINR . KIEV . UA
KALTCHENKO@KINR . KIEV . UA
OGRITZAY@KINR . KIEV . UA

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LAMMER@IAEA . ORG
PRONYAEV@IAEA . ORG
ZERKIN@IAEA . ORG
SCHWERER@NDSALPHA . IAEA . ORG

SUBENT	E1357003	20001226	E1357	3	1
BIB	2	3	E1357	3	2
REACTION	(79-AU-197(9-F-19,F),PRE,AP/DA,FF)		E1357	3	3
COMMENT	Centroids of the mass distribution of the primary fission fragments		E1357	3	4
ENDBIB	3	0	E1357	3	5
COMMON	1	3	E1357	3	6
EN			E1357	3	7
MEV			E1357	3	8
135.			E1357	3	9
ENDCOMMON	3	0	E1357	3	10
DATA	3	21	E1357	3	11
ANG-CM	DATA	DATA-ERR	E1357	3	12
ADEG	ARB-UNITS	ARB-UNITS	E1357	3	13
2.433E+01	1.092E+02	6.998E-01	E1357	3	14
3.089E+01	1.092E+02	6.677E-01	E1357	3	15
4.525E+01	1.088E+02	6.254E-01	E1357	3	16
5.028E+01	1.086E+02	6.263E-01	E1357	3	17
6.119E+01	1.084E+02	2.361E-01	E1357	3	18
6.153E+01	1.088E+02	5.439E-01	E1357	3	19
6.744E+01	1.082E+02	5.159E-01	E1357	3	20
7.376E+01	1.077E+02	5.140E-01	E1357	3	21
8.018E+01	1.087E+02	5.354E-01	E1357	3	22
8.679E+01	1.086E+02	3.898E-01	E1357	3	23
9.137E+01	1.084E+02	4.935E-01	E1357	3	24
9.561E+01	1.087E+02	6.957E-01	E1357	3	25
1.054E+02	1.083E+02	4.321E-01	E1357	3	26
1.151E+02	1.082E+02	1.221E+00	E1357	3	27
1.211E+02	1.078E+02	1.373E+00	E1357	3	28
1.261E+02	1.077E+02	1.202E+00	E1357	3	29
1.306E+02	1.072E+02	1.364E+00	E1357	3	30
1.385E+02	1.063E+02	1.537E+00	E1357	3	31
1.430E+02	1.083E+02	1.222E+00	E1357	3	32
1.501E+02	1.065E+02	1.309E+00	E1357	3	33
1.588E+02	1.074E+02	1.372E+00	E1357	3	34
ENDDATA	23	0	E1357	3	35
ENDSUBENT	35	0	E1357	399999	

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SUBENT      E1357009   20001226                               E135700900001
BIB         2         7                                       E135700900002
REACTION    ((79-AU-197(9-F-19,F),,DA,HF)//                E135700900003
            (79-AU-197(9-F-19,F),,DA,HF))                  E135700900004
            relative DA, normalized to one at ANG-CM=86.5 degree E135700900005
            of Heavy fragments                               E135700900006
COMMENT     for mass bins in the mass range of 118 to 150 a.m.u. E135700900007
            Fig.5 (2)                                       E135700900008
            ANG-CM is angle of numerator                    E135700900009
ENDBIB      7                                       E135700900010
COMMON      2         3                                       E135700900011
EN          ANG-DN                                       E135700900012
MEV        ADEG                                       E135700900013
160.       86.5                                       E135700900014
ENDCOMMON   3                                       E135700900015
DATA        3         14                                    E135700900016
ANG-CM      DATA      DATA-ERR                          E135700900017
ADEG        NO-DIM     NO-DIM                             E135700900018
  1.079E+01  4.316E+00  4.365E-01                          E135700900019
  1.725E+01  3.330E+00  3.109E-01                          E135700900020
  2.518E+01  2.593E+00  2.758E-01                          E135700900021
  3.546E+01  1.954E+00  1.875E-01                          E135700900022
  6.117E+01  1.137E+00  1.180E-01                          E135700900023
  6.839E+01  8.750E-01  5.508E-02                          E135700900024
  7.436E+01  8.264E-01  6.244E-02                          E135700900025
  7.984E+01  9.029E-01  4.791E-02                          E135700900026
  8.650E+01  1.000E+00  0.000E-00                          E135700900027
  1.267E+02  1.449E+00  8.043E-02                          E135700900028
  1.474E+02  1.980E+00  1.596E-01                          E135700900029
  1.517E+02  2.069E+00  1.668E-01                          E135700900030
  1.551E+02  2.376E+00  1.556E-01                          E135700900031
  1.586E+02  2.747E+00  2.566E-01                          E135700900032
ENDDATA     16                                       E135700900033
ENDSUBENT   32                                       E135700999999
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