

Japan Charged-Particle Nuclear Reaction Data Group

Division of Physics, Graduate School of Science
Hokkaido University
060-0810 Sapporo, JAPAN

Telephone +81(JPN)-11-706-2684
Facsimile +81(JPN)-11-706-4850
E-mail nrdf@nucl.sci.hokudai.ac.jp

Memo CP-E/023

Date: June 9, 2003
To: Distribution
From: OTUKA Naohiko and KATŌ Kiyoshi
Subject: Dictionary 27 (Nuclides) and secondary linear momentum

1. Radon isotope which alpha decay is measured

We are compiling two experiments of fusion-evaporation residue measurements at JAERI (S.Mitsuoka *et al.*, Phys. Rev. C**65** (2002) 054608 and K.Satou *et al.*, Phys. Rev. C**65** (2002) 054602). In these experiments, alpha decay of ^{206}Rn was observed. We propose to add Flag 3 for ^{206}Rn .

Dictionary 27 (Nuclides)

86-RN-206 Flag 3 at column 15

2. Secondary Linear Momentum and parameter DP

Now data heading belonging to Secondary Linear Momentum (family L, e.g. MOM-SEC) can be used when parameter (SF6) contains the linear momentum correlation MCO (EXFOR System Manual (April, 2001) 7.10). We propose that the parameter DP (differential with linear momentum of out going particles) also allows the use of family L.

(Now CHEX often gives error message like

** Illegal independent variable

SEC ENERGY

when DP is connected with family I.).

Distribution:

| | | | |
|-------------------|----------------------|----------------------|---------------------|
| J.H. Chang, KAERI | M. Chiba, JCPRG | F.E. Chukreev, CAJaD | S. Dunaeva, VNIEF |
| O. Gritzay, KINR | A. Hasegawa, JAERI | A. Kaltchenko, KINR | K. Kato, JCPRG |
| M. Kellett, NEADB | M. Lammer, NDS | S. Maev, CJD | V.N. Manokhin, CJD |
| V. McLane, NNDC | C.Nordborg, NEADB | P. Oblozinsky, NNDC | Y. Ohbayasi, JCPRG |
| N. Otuka, JCPRG | V. Pronyaev, NDS | O. Schwerer, NDS | S. Takacs, ATOMKIF. |
| S. Taova, VNIEF | T. Tárkányi, ATOMKI1 | V. Varlamov, CDFE | M. Vlasov, KINR |
| M. Wirtz, NDS | V. Zerkin, NDS | Zhuang Y.X., CNDC | |

Sample of coded entry (E1779.002):R. Kanungo *et al.*, Phys. Rev. Lett. **88** (2002) 142502 Fig.2-a

| | | | |
|----------------|---|-----------|---------------|
| SUBENT | E1779002 | 20030606 | E177900200001 |
| BIB | 4 | 7 | E177900200002 |
| REACTION | (6-C-0(8-O-23,X)8-O-22,LP, <u>DP</u> ,RSD,REL) | | E177900200003 |
| | DATA: count number | | E177900200004 |
| PART-DET | (8-O-22) | | E177900200005 |
| MOM-SEC | (MOM-SEC,8-O-22)longitudinal momemtum in projectile rest frame | | E177900200006 |
| STATUS | (CURVE)Data scanned from Fig.2-a (filled circle),p.142502-2 in reference | | E177900200007 |
| ENDBIB | 7 | 0 | E177900200008 |
| NOCOMMON | 0 | 0 | E177900200009 |
| DATA | 3 | 15 | E177900200010 |
| <u>MOM-SEC</u> | DATA | DATA-ERR | E177900200011 |
| MEV/C | ARB-UNITS | ARB-UNITS | E177900200012 |
| -2.532E+02 | 1.126E+01 | 4.929E+00 | E177900200013 |
| -2.214E+02 | 1.971E+01 | 4.225E+00 | E177900200014 |
| | | | E177900200015 |
| | | | E177900200016 |
| ... | | | |