MEMO   CP-A/99

Date: 03-April-2000
To: **Distribution**
From: F.E. Chukreev, S.Babykina
Subject: **Dictionary updates**

1. **ADD to Dictionary 27** -

18-Ar-32	(3	)
18-Ar-33	(3	)
18-Ar-34	(3	)
18-Ar-43	(3	)
18-Ar-44	(3	)
18-Ar-46	(3	)
19-K-35	(3	)
22-Ti-39	(3	)
22-Ti-40	(3	)
22-Ti-41	(3	)
22-Ti-43	(3	)
23-V-43	(3	)
23-V-44	(3	1)
24-Cr-43	(3	)
24-Cr-44	(3	)
24-Cr-45	(3	)
24-Cr-46	(3	)
24-Cr-47	(3	)
25-Mn-46	(3	)
25-Mn-47	(3	)
25-Mn-48	(3	)
26-Fe-46	(3	)
26-Fe-47	(3	)
26-Fe-48	(3	)
26-Fe-49	(3	)
26-Fe-50	(3	)
27-Co-50	(3	)
27-Co-51	(3	)
27-Co-52	(3	1)
27-Co-53	(3	)
28-Ni-50	(3	)
28-Ni-51	(3	)
28-Ni-52	(3	)
28-Ni-53	(3	)
28-Ni-54	(3	)

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37-Rb-102      (  3        )
55-CS-114      (  3        )
55-CS 115      (  3        )
55-CS-116      (  3      1)
```
        2 isomers exist, but not known which one is ground state.
```
55-CS-117      (  3      1)
```
         2 isomers exist, but not known which one is ground state.
```
55-CS-118      (  3        )
55-CS-149      (  3        )
55-CS-150      (  3        )
55-CS-151      (  3        )
80-Hg-177      (  3        )
80-Hg-178      (  3        )
80-Hg-179      (  3        )
80-Hg-180      (  3        )
80-Hg-181      (  3        )
80-Hg-182      (  3        )
80-Hg-183      (  3        )
80-Hg-184      (  3        )
80-Hg-185      (  3      1)
80-Hg-206      (  3        )
81-Tl-185      (  3      1)
81-Tl-186      (  3      1)
81-Tl-187      (  3      1)
81-Tl-188      (  3      1)
```
          2 isomers exist, but not known which one is ground state.
```
81-Tl-189      (  3      1)
81-Tl-190      (  3      1)
```
         2 isomer exist, but not known which one is ground state.
```
81-Tl-191      (  3      1)
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The additions are needed to compile the papers similar PR/C,50,2398,1994

2. **<u>Add to dictionary 25.</u>**

P/PT/MEVSR   (Product nuclei per Inc.Proj. per SR per MEV)
P/PART/SR   (Product nuclei per Inc.Proj. per SR)
P/PART/MEV   (Product nuclei per Inc.Proj. per Mev)
The codes are similar N/PT/MEVSR etc in 25 Dictionary.
In order to eliminate Dictionary increasing is possible to change the comments for existing
        N/PT/MEVSR to "Nucleus per Incident Projectile per Sr per MeV"
        N/PART/MEV to "Nucleus per Incident Projectile per MeV",
        N/PART   to "Nucleus per Incident Projectile"
                              and add
        N/PART/SR   "Nucleus per Incident Projectile per Steradian"
                     Your opinion is interest, of course.

3. **<u>Add to dictionary 36</u>**

EM,TTY/DA/DE   (Differential emission thick target yield with
         Respect to the angle and energy of the outgoing particle)

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