Memo CP-D/671

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To:　　　Distribution

From:　　　N.Otsuka

Subject:　　　**Expansion of codes Dictionary 21 (Method Codes)**

Usages of some method codes defined in Dictionary 21 are not very clear from their expansions. As a result, it is seen that sometimes one code is used for several purposes. I looked through the dictionary, and propose here addition of comments to some method codes.

Code	Expansion (Comment)
ASSOP	Associated particle (*for neutron flux determination*)
DSCAT	Double scattering (*for polarization measurement*)
HEJET	Collection by He jet (*for reaction product transportation*)
LRASY	Left-right asymmetry (*for polarization measurement*)
MAGFR	Magnetic field rotation (*for polarized beam production*)
RINGR	Ring ratio method (*for neutron energy determination*)
SLODT	Slowing-down time (*for neutron energy determination*)

The usage of HE-AC is not clear for me. This code is used in the following 5 entries: 20779, 20487, 22830, E1787 (=O0974)

20779:
　　　Neutron flux was measured by alphas (associated particle method).
22830:
　　　Emitted alpha is detected by counter telescopes.
22487, E1787:
　　　Helium produced in the sample materials was collected by heating irradiated sample in vacuum.

Because there are few entries, it is difficult for me to know the original idea of this code.

kiralyb@atomki.hu
l.vrapcenjak@iaea.org
manuel.bossant@oecd.org
manokhin@ippe.ru
mmarina@ippe.ru
mwherman@bnl.gov
nicolas.soppera@oecd.org
nklimova@kinr.kiev.ua
n.otsuka@iaea.org
nrdc@jcprg.org
oblozinsky@bnl.gov
ogritzay@kinr.kiev.ua
otto.schwerer@aon.at
pronyaev@ippe.ru
r.forrest@iaea.org
samaev@obninsk.ru

s.babykina@polyn.kiae.su
scyang@kaeri.re.kr
s.simakov@iaea.org
stakacs@atomki.hu
stanislav.hlavac@savba.sk
sv.dunaeva@gmail.com
taova@expd.vniief.ru
tarkanyi@atomki.hu
varlamov@depni.sinp.msu.ru
vlasov@kinr.kiev.ua
vmclane@optonline.net
v.semkova@iaea.org
v.zerkin@iaea.org
yolee@kaeri.re
zhuangyx@ciae.ac.cn