

Centre for Photonuclear Experiments Data
Skobeltsyn Institute of Nuclear Physics, Lomonosov Moscow State University
119991 Moscow, Russia

Internet: Varlamov@depni.sinp.msu.ru

Telephone: (495)939-3483

FAX: (495)939-0896

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DATE: October 01, 2007
TO: Distribution
FROM: V.Varlamov
SUBJECT: ENTRY L0091 correction.

Dear colleagues,

Unexpectedly I found out the important mistakes in content of ENTRY L0091 prepared at the NNDC (HISTORY (20050714C) DR L0091 1 14): in all SUBENTs "(G,X)0-NN-1" must be used instead of "(G,N)".

The reasons are the following:

1) the article is very old (J,CJP,35,470,1957) and in that time nobody has known about partial (G,N), (G,2N), (G,3N),...reactions, everybody have measured cross sections of only the total photoneutron reaction;

2) all actinides nuclei reaction cross sections presented in L0091 have absolute values about 1000 - 1500 mb which are of the same order as (G,X)0-NN reactions in modern experiments, for example in L0031, L0050, L0058;

3) modern (G,N) reaction cross sections have absolute values about 300 - 400 mb.

I propose to discuss possibility for needed corrections on upgoing NRDC Meeting.

Distribution:

Hasegawa@nea.fr,
Ohnishi@nucl.sci.hokudai.ac.jp,
A.Nichols@iaea.org,
A.Mengoni@iaea.org,
Blokhin@ippe.ru,
Chiba@earth.sgu.ac.jp,
Claes.Nordborg@oecd.org,
Tarkanyi@atomki.hu,
Gezg@ciae.ac.cn,
Henriksson@nea.fr,
JHCHANG@kaeri.re.kr,
Katakura.junichi@jaea.go.jp,
KATO@nucl.sci.hokudai.ac.jp,
Kiralyb@atomki.hu,
MMarina@ippe.ru,
MWHerman@bnl.gov,
Ohtsuka@nucl.sci.hokudai.ac.jp,

NKlimova@kinr.kiev.ua,
Kaltchenko@kinr.kiev.ua,
OGritzay@kinr.kiev.ua,
Oblozinsky@bnl.gov,
Stakacs@atomki.hu,
O.Schwerer@iaea.org,
Taova@expd.vniief.ru,
Stanislav.Hlavac@savba.sk,
SAMaev@obninsk.ru,
Chukreev@polyn.kiae.su,
Manokhin@ippe.obninsk.ru,
VMclane@optonline.net,
Vlasov@kinr.kiev.ua,
YoLee@kaeri.re.kr,
Hongwei@ciae.ac.cn,
V.Zerkin@iaea.org