**Nuclear Data Section**

**International Atomic Energy Agency**

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**Memo CP-D/1077**

**Date:** 2023-03-27

**To:** Distribution

**From:** N. Otsuka

**Subject: Unit of 20340.004, 010 and 011 (Pb-207 neutron scattering by Tomita)**

**Reference:** Memo 4C-4/236

Memo 4C-4/236 introduces a question on the unit of the Legendre coefficients multiplied by 4π of 207Pb+n scattering in EXFOR 20340.004, 010 and 011 (MB/SR is coded instead of MB). If we assume that the actual unit as MB, then 20340.004 and 010 agree very well with JENDL-5 MF3 MT2, 51 and 52 cross sections.

I also confirmed the angular differential cross sections at 1.47 MeV on Fig.2 of the INDC report can be reproduced by applying this interpretation (MB instead of MB/SR) not only to the 0th coefficient but also to the higher order coefficients.



I suggest replacement of LEG/FCT with LEG/4PI and MB/SR with MB in these three subentries.

N.B. P,INDC(JAP)-017,6,1973 must be added as an alias of P,EANDC(J)-30,6,1973.

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