

MEMO 4C - 4 / 87

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DATE : 29 Oct. 1998

To: Distribution
From: S. Maev (alias: S.Mayev)

Subject: New Code for Dictionary 36.

Diction 36:

EM,DA/DE,,LEG/RSL) Legendre expansion of Double-
differential

cross-sections in the form

$$4\pi/\text{SIG}(E)*D2\text{-SIG}/D\text{-OMEGA}/DE = (1 + \text{SUM}((2L+1)A(E,L)P(L)))$$

The necessity for this qiantity have arised when data for Legendre expansion of Double-differential Cross-Section for Neutron emission were obtained via INTERNET from Dr. Dankwart Schmidt (Physikalisch-Technische Bundesanstalt - PTB, Braunschweig, Germany).

Reference:

.Dankwart Schmidt, Data obtained via INTERNET for Lead,

Chromium and Vanadium
.INDC(GER)-043,1997
.INDC(GER)-044,1998
.ENTRIES 22410, 22411, 22412

Examples:

REACTION (82-PB-0(N,X)0-NN-1,EM,DA/DE,,LEG/RSL) SUBENT
22410004
REACTION (24-CR-0(N,X)0-NN-1,EM,DA/DE,,LEG/RSL) SUBENT
22411004

REACTION (23-V-51(N,X)0-NN-1,EM,DA/DE,,LEG/RSL) SUBENT
22412004

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