

MEMO 4C - 4 / 91

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DATE : 28 January 1999  
To: Distribution  
From: S. Maev (alias: S.Mayev)

Subjects: 1. New JINR- Report codes to be added to Dictionary 06  
2. New REACTION Combination codes to be added to  
Dictionary 36

1. Codes to be added to **Diction 06:**

1.1 **JINR-E3-** Joint Institute for Nuclear Research,  
Report series E3  
Reference: ENTRY 41292

1.2 **JINR-P13-** Joint Institute for Nuclear Research,  
Report series P13  
Reference: ENTRY 41308,  
ENTRY 41310

2. Codes to be added to **Diction 36:**

2.1 **,,DA/DE,G,LEG/RS** Legendre coefficients for angle-energy  
dependence of Gamma-rays intensity  
of the form  $D-INTENSITY(E)/D-OMEGA = I0*(1+SUM(AL*PL(THETA)))$

**Another possibility:**  
**,PAR,DA,G,LEG/RS**

Reference: ENTRY 41234,  
YF, vol. 59, #10, p.1733, 199610  
ENTRY 41319,  
YF, vol. 61, #9, p.1547, 199809

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2.2 **,,POL/DE,G)** Differential Polarization of Gammas  
for different Gamma energies

**Another possibility:**  
**,PAR,POL,G**

Reference: ENTRY 41234,  
YF, vol. 59, #10, p.1733, 199610  
ENTRY 41319,  
YF, vol. 61, #9, p.1547, 199809

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2.3 **,,DA,FF,LEG/FCT/RES** Angular anisotropy of fragments produced  
from spin aligned U-235 nuclei at resonance

energy.

This code must be marked by point in col.22 of the Dictionary 36

Reference: ENTRY 41295  
YF, vol. 60, #6, p.981, 199706

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2.4 **,,MLT,G,,RES** AVERAGE GAMMA-RAY multiplicity at resonance.

This code must be marked by point in col.22 of the Dictionary 36

Reference: ENTRY 41292,  
YK,1997, #(3-4), p. 11,199803

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These codes probably must be discussed at the coming NRDC meeting.

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Subject: **reply to memo 4C-4/91**  
Date: Tue, 02 Feb 1999 08:46:27 -0500  
From: **Victoria McLane** <MCLANE@bnlnd2.dne.bnl.gov>  
To: kellest@nea.fr, nordborg@nea.fr, schwerer@IAEAND, manokhin@ippe.rssi.ru  
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Regarding memo **4C-4/91 #2**: codes to be added to **Dictionary 36**.

- 2.1. The code should be **PAR,DA,G,LEG/RS** - the references refer to angular distributions of discrete gammas. *[Note by NDS: code existing in Dict.36]*
- 2.2. The code should be **PAR,POL,G** - for reason which is similar to the above.
- 2.3. The code is **DA,FF,LEG/RES** - FCT is a general quantity modifier, and is added at the end of the code string, but does not appear in the dictionary. *[Note by NDS: code existing in Dict.36]*
- 2.4. Agree.

Vicki

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