

Memo CP-D/337

24 April 2002

From: O. Schwerer  
To: Distribution

**Subject: Differential data for linear momentum and spin-flip / non-spin-flip**

**Reference: Memos CP-E/003 and CP-E/004**

The new codes for dictionaries proposed in the above mentioned memos will be included in the upcoming dictionary transmission except for the following cases which should be decided at the upcoming NRDC meeting.

**CP-E/003:**

**Dictionary 25 (Units):**

UB/SR/GEVC      microbarn per steradian per (GeV per Velocity of Light)

What about using instead  
MUB/SRGEVCTo conserve MUB for microbarns?

**Dictionary 29 (Product Particles)**

AP                  antiproton  
An alternate code would be P-  
What is our preference?

**CP-E/004:**

**Dictionary 36 (Quantities):**

,DA , , SF	Spin-flip diff. c/s d/dA
,DA , , NSF	Non-spin-flip diff. c/s d/dA
,DA/DE , , SF	Spin-flip double-diff. c/s d <sup>2</sup> /dA/dE
,DA/DE , , NSF	Non-spin-flip double-diff. c/s d <sup>2</sup> /dA/dE
,DA/DE , 4-BE-7 / 2-HE-6 , SF	Spin-flip double-diff. c/s d <sup>2</sup> /dA(7Be)/dE(6He)
,DA/DE , 4-BE-7 / 2-HE-6 , NSF	Non-spin-flip double-diff. c/s d <sup>2</sup> /dA(7Be)/dE(6He)

- 1) So far, all differential spin-flip data in dictionary 36 are coded with POL/DA in SF6. Should therefore POL be added to these codes?
- 2) So far we do not allow nuclide codes in SF7 but only particle codes. I believe for the work to be compiled, 4-BE-7 can be replaced by RSD (residual nucleus) and 2-HE-6 by the existing particle code HE6. Therefore, the last 2 of the above codes would be

POL/DA/DE , RSD/HE6 , SF      and  
POL/DA/DE , RSD/HE6 , NSF

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