

## MEMO CP-A/158

22-Dec-2004

To: **Distribution**  
From: **F.E. Chukreev**  
Subject: **Correction of Dictionary 24**

### 1. Best wishes to you and your families for New Year and Christmas!

2. Angular distributions of emitted particles can be presented as function of angle or transferred momentum.. Now we have in Dictionary 24 two Data Headings for angular distributions:

**2.1 ANG** (ANG-CM etc) – for angular distributions which are presented as function of angle,

**2.2 q-** for angular distributions which are presented as function of wave number of transferred momentum. For the Data Heading we can use measurement unit is **1/fm** or similar one.

But veritable transferred momentum has need for measurement unit MeV/c (KeV/c etc).

Of course, any angular distributions, which are presented as function of wave number transferred momentum or veritable transferred momentum, could be presented as a function of angle and *vice versa*. But similar transformation met strong objections of another participants of our Network. In order to include in EXFOR the angular distributions, which are presented as function of veritable transferred momentum new Data Heading is needed.

Therefore we propose to delete “O” in 80-th column of Data Heading **MOM-TR** and use the Data Heading together measurement unit **MeV/c** and similar ones. (KeV/c, eV/c etc). **MOM-TR** and **q** are connected very simple connection:

$$[\mathbf{MOM-TR}] = h[\mathbf{q}], \text{ where } h \text{ is Planck's constant.}$$

Quantity	Unit	Reference
<b>MOM-TR</b>	MeV/c, and similar	(PR/C,67,054320,2003) =O1177

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