Memo CP-C/226

DATE: March 31, 1997
TO: Distribution
FROM: V.McLane
SUBJECT: Angular distribution given in terms of momentum transfer

I propose adding the capability to code angular distribution data in terms of momentum transfer. The proposed LEXFOR entry follows.

Add to LEXFOR entry on Angle

For relativistic data, angular distributions may be given as a function of the momentum transfer, which is related to the center-of-mass angle by:

$$q = 2k \sin(\theta/2)$$

where k is center-of-mass momentum of the final system

The momentum transfer is given in units of inverse length (*e.g.*, 1/fermi). See Kerman, et al., [1] for more detail.

Data heading: MOM-TR = momentum transfer

Reference
1. A. K. Kerman, *et al.*, *Ann. Phys.* **8**, 551 (1959)

Add to Dictionary 24 (Data Headings)

MOM-TR   Momentum transfer