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Memo CP-C/314

DATE: January 31, 2003
TO: Distribution
FROM: V. McLane
SUBJECT: Fundamental particles

Since there have been no proposals as yet for the coding of fundamental particles, and since there are some centers anxious to code data using codes for these particle in SF4, I propose the following simplistic solution.

Use a coding similar to that for gammas and neutrons; that is, use the code from Dictionary 33 or a 2-character equivalent) for the chemical symbol. The A would be the mass rounded off to the nearest integer. The codes so far using this formalism would be:

Kaons	0-K-0
Kaons, negative	0-KN-0
Kaons, positive	0-KP-0
Pions	0-PI-0
Pions, neutral	0-P0-0
Pions, negative	0-PN-0
Pions, positive	0-PP-0
Anti-proton	1-AP-1

This is not elegant, but will allow us to get on with any coding.

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