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Memo CP-C/325

DATE:	August 28, 2003
TO:	Distribution
FROM:	V. McLane
SUBJECT:	Data as a function of parameter S (kinematic locus)

We have received several data sets for data given a function of the parameter S. I propose to add the data heading S for these data. I have attached a LEXFOR entry defining this parameter. See Phys.Rev. C 38, 1119 (1988) and Phys. Rev. C 48, 28855 (1993) for sample data sets. S is given in units of energy.

Please add to Dictionary 24

S	Distance along S-curve (on plot of E1 vs. E2).
S-MAX	Maximum value of distance along S curve
S-MIN	Minimum value of kinematic locus on S curve

S-MIN Minimum value of kinematic locus on S curve

Distribution M. Chiba, Sapporo F. E. Chukreev, CAJaD S. Dunaeva, Sarov O. Gritzay, KINR K. Kato, JCPDG M. Kellett, NEADB V. N. Manokhin, CJD

S. Maev, CJD O. Schwerer, NDS S. Takács, ATOMKI F. T. Tárkányi, ATOMKI V. Varlamov, CDFE CNDC NNDC File Energy given as parameter S

For a reaction in which two particles are emitted, for a plot of E1 vs. E2, the allowed energies of E1 and E2 are described by curve is known as the kinematic locus or S curve. The parameter S is the distance along this curve measured from the minimum detected energy of particle E1.



(Please forgive my bad drawing).