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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

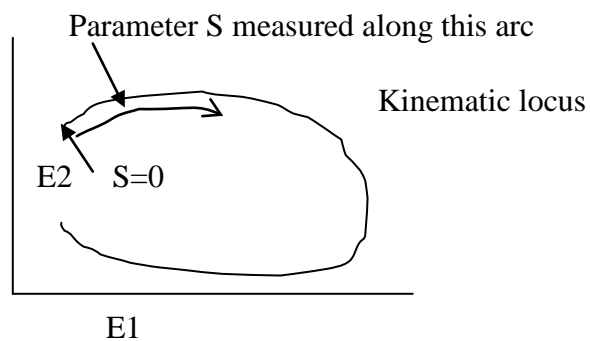
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Energy given as parameter S

For a reaction in which two particles are emitted, for a plot of E_1 vs. E_2 , the allowed energies of E_1 and E_2 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 E_1 .



(Please forgive my bad drawing).