

Memo CP-E/002

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To: Distribution

From: K.Kato and Y.Ohbayasi

Date: 2001-03-13

Subject: Proposed additions to Dictionary 36:
New quantity codes NN,POL/DA/DE,,K.

we propose to add a new quantity to dictionary 36,

NN,POL/DA/DE,,K ; Polarization transfer coefficients as a function of the scattering angle and the outgoing particle energy.

Such measurements were reported in a paper by M. Ieiri et al., Nucl. Phys. A, 504, 477, 1989 and compiled in entry E1315 (new subentries transmitted on TRANS E019).

As an example, one of the relevant subentries is given on the next page.

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SUBENT	E1315022	1920001226	E1315	22	1
BIB	6	13	E1315	22	2
REACTION	(28-NI-58(D,X)1-H-1,NN,POL/DA/DE,,K)		E1315	22	3
	Polarization trabsfer coefficient K(yy)		E1315	22	4
METHOD	(EDE) DUMAS/MUSASHI system		E1315	22	5
DETECTOR	(COIN,MAGSP,MWPC,SOLST)		E1315	22	6
	SOLID-ANGL IS 0.86MILLI-SR.		E1315	22	7
INC-SOURCE	AN ATOMIC BEAM TYPE POLARIZED ION SOURCE		E1315	22	8
	BEAM-INTENSITY IS 0.150UA		E1315	22	9
SAMPLE	TARGET IS ENRICHED 99.76PER-CENT		E1315	22	10
	CHEMICAL-FORM OF TARGET IS ELEMENT		E1315	22	11
	PHYSICAL-FORM OF TARGET IS SLD		E1315	22	12
	TARGET-THICKNESS=280.MG/CM**2		E1315	22	13
	TARGET-BACKING IS SELF		E1315	22	14
COMMENT	Fig.10 (1)		E1315	22	15
ENDBIB	13	0	E1315	22	16
COMMON	3	3	E1315	22	17
EN	POL-BM	ANG	E1315	22	18
MEV	NO-DIM	ADEG	E1315	22	19
65.	0.82	7.0	E1315	22	20
ENDCOMMON	3	0	E1315	22	21
DATA	4	27	E1315	22	22
E	DATA	+DATA-ERR	-DATA-ERR	E1315	22
MEV	NO-DIM	NO-DIM	NO-DIM	E1315	22
2.133E+01	3.778E-01	+5.582E-02	-5.519E-02	E1315	22
2.356E+01	9.433E-01	-1.000E+00	-5.822E-02	E1315	22
2.543E+01	6.999E-01	+6.061E-02	-4.621E-02	E1315	22
2.691E+01	7.762E-01	+5.761E-02	-4.141E-02	E1315	22
2.818E+01	6.593E-01	+3.842E-02	-3.602E-02	E1315	22
3.004E+01	5.707E-01	+3.002E-02	-3.001E-02	E1315	22
3.132E+01	6.416E-01	+2.400E-02	-1.801E-02	E1315	22
3.251E+01	6.687E-01	+2.580E-02	-1.620E-02	E1315	22
3.368E+01	6.641E-01	+2.461E-02	-2.040E-02	E1315	22
3.537E+01	6.978E-01	+2.100E-02	-1.861E-02	E1315	22
3.663E+01	6.307E-01	+7.802E-03	-9.015E-03	E1315	22
3.962E+01	6.358E-01	+6.018E-03	-1.201E-02	E1315	22
4.171E+01	6.840E-01	+1.198E-02	-1.259E-02	E1315	22
4.379E+01	6.506E-01	+1.319E-02	-1.620E-02	E1315	22
4.509E+01	6.484E-01	+9.592E-03	-1.500E-02	E1315	22
4.698E+01	6.756E-01	+1.981E-02	-2.040E-02	E1315	22
4.875E+01	6.781E-01	+1.499E-02	-2.645E-02	E1315	22
4.949E+01	6.410E-01	+1.081E-02	-1.501E-02	E1315	22
5.139E+01	6.538E-01	+1.020E-02	-1.138E-02	E1315	22
5.355E+01	6.666E-01	+9.589E-03	-1.499E-02	E1315	22
5.572E+01	6.668E-01	+1.140E-02	-1.382E-02	E1315	22
5.789E+01	6.760E-01	+2.038E-02	-1.561E-02	E1315	22
5.924E+01	7.128E-01	+1.321E-02	-1.261E-02	E1315	22
6.111E+01	7.237E-01	+1.620E-02	-1.798E-02	E1315	22
6.325E+01	7.017E-01	+1.319E-02	-2.282E-02	E1315	22
6.596E+01	6.588E-01	+1.740E-02	-2.099E-02	E1315	22
6.914E+01	7.335E-01	+2.219E-02	-2.402E-02	E1315	22
ENDDATA	29	0	E1315	22	52
ENDSUBENT	51	0	E1315	22	99999