

# Japan Charged-Particle Nuclear Reaction Data Group

Division of Physics, Graduate School of Science  
Hokkaido University  
060-0810 Sapporo, JAPAN

Telephone +81(JPN)-11-706-2684  
Facsimile +81(JPN)-11-706-4850  
E-mail nrdf@nucl.sci.hokudai.ac.jp

## Memo CP-E/010

**Date:** August 8, 2002  
**To:** Distribution  
**From:** KATO Kiyoshi  
**Subject:** Dictionary 24 and 36 update (Angular correlations)

We are compiling an experiment (T. Inomata et al., Phys. Rev. **C57** (1998) 3153 ):

1) Angular correlation between  ${}^2\text{He}$  and neutron, where  ${}^2\text{He}$  was produced in  ${}^{12}\text{C}(d, {}^2\text{He}){}^{12}\text{B}^*$  and the residual  ${}^{12}\text{B}^*$  decays into neutron and  ${}^{11}\text{B}$ . The data are plotted using arbitrary unit.

2) Angular correlation between triton and proton, where triton was produced in  ${}^{12}\text{C}({}^3\text{He}, t){}^{12}\text{N}^*$  and the residual  ${}^{12}\text{N}^*$  decays into proton and  ${}^{11}\text{C}$ . The data are plotted using  $\mu\text{b}/\text{sr}^2$ .

### Dictionary 25 (Data Units)

MUB/SR2      microbarns per steradian-squared      DA2

### Dictionary 36 (Quantities)

SEQ/PAR, DA/CRL, N/HE2	NO	Partial angular correlation neutrons/2He specified by sequence of outgoing particles
SEQ/PAR, DA/DA, P/T	DA2	Partial double-diff. cross section $d^2/dA(p)dA(t)$ specified by sequence of outgoing particles

### **Distribution:**

J.H. Chang, KAERI	M. Chiba, JCPRG	F.E. Chukreev, CAJaD
S. Dunaeva, Sarov	O. Gritzay, KINR	A. Hasegawa, JAERI
K.Kato, JCPRG	M. Kellett, NEADB	M. Lammer, NDS
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F.T. Tárkányi, ATOMKI	V. Varlamov, CDFE	M. Vlasov, KINR
M. Wirz, NDS	V. Zerkín, NDS	Y.X.Zhuang, CNDC