

# Japan Nuclear Reaction Data Centre (JCPRG)

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## Memo CP-E/127

**Date:** December 31, 2007  
**To:** Distribution  
**From:** OTSUKA Naohiko  
**Subject:** Addition to Dictionary 236 (Quantities) : spin-flip and non spin-flip

New quantity codes involving spin-flip and non spin-flip probability are proposed:

### Dictionary 236 (Quantities)

NN, DA/DE, , SF	Double diff. c.s. $d^2/dA/dE$ * spin-flip probability S(nn)
NN, DA/DE, , NSF	Double diff. c.s. $d^2/dA/dE$ *non spin-flip probability 1-S(nn)
NN/PAR, DA, , SF	Partial diff. c.s. $d/dA$ * spin-flip probability S(nn)
NN/PAR, DA, , NSF	Partial diff c.s. $d/dA$ * non spin-flip probability 1-S(nn)

Quantity	Type	Dim.	Reference	Subentry
NN, DA/DE, , SF	DAE	DAE	H. Sakai <i>et al.</i> , Phys. Rev. C <b>35</b> (1987)1280	E1139.003, 006
NN, DA/DE, , NSF	DAE	DAE		E1139.004, 007
NN/PAR, DA, , SF	DAP	DA	T. Fujisawa <i>et al.</i> , J. Phys. Soc. Jpn., <b>50</b> (1981)3198	E1406.026-028
NN/PAR, DA, , NSF	DAP	DA		E1406.023-025

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