

List of reactions in NEFGRD

Reaction	File name *.pdf	Reaction	File name *.pdf	Reaction	File name *.pdf
${}^6\text{Li}(n,\alpha)$	Li6na	${}^{50}\text{Cr}(n,g){}^{51}\text{Cr}$	Cr50ng	${}^{109}\text{Ag}(n,g){}^{110m}\text{Ag}$	Ag109ngm
${}^6\text{Li}(n,t){}^4\text{He}$	Li6nt	${}^{52}\text{Cr}(n,2n){}^{51}\text{Cr}$	Cr52n2n	$\text{Cd}(n,g)$	Cdng
${}^7\text{Li}(n,t)$	Li7nt	${}^{55}\text{Mn}(n,g){}^{56}\text{Mn}$	Mn55ng	${}^{115}\text{In}(n,g){}^{116(m_1+m_2)}\text{In}$	In115ngm12
${}^{10}\text{B}(n,\alpha){}^7\text{Li}$	B10na	${}^{55}\text{Mn}(n,2n){}^{54}\text{Mn}$	Mn55n2n	${}^{115}\text{In}(n,2n){}^{114m}\text{In}$	In115n2nm
${}^{10}\text{B} \alpha \text{ prod}$	B10napr	${}^{54}\text{Fe}(n,p){}^{54}\text{Mn}$	Fe54np	${}^{115}\text{In}(n,n'){}^{115m}\text{In}$	In115nmm
${}^{12}\text{C}(n,2n){}^{11}\text{C}$	C12n2n	${}^{56}\text{Fe}(n,p){}^{56}\text{Mn}$	Fe56np	${}^{127}\text{I}(n,2n){}^{126}\text{I}$	I127n2n
${}^{16}\text{O}(n,2n){}^{15}\text{O}$	O16n2n	${}^{54}\text{Fe}(n,\alpha){}^{51}\text{Cr}$	Fe54na	${}^{139}\text{La}(n,g){}^{140}\text{La}$	La139ng
${}^{19}\text{F}(n,2n){}^{18}\text{F}$	F19n2n	${}^{58}\text{Fe}(n,\alpha){}^{55}\text{Cr}$	Fe58na	${}^{141}\text{Pr}(n,2n){}^{140}\text{Pr}$	Pr141n2n
${}^{23}\text{Na}(n,g){}^{24}\text{Na}$	Na23ng	${}^{58}\text{Fe}(n,g){}^{59}\text{Fe}$	Fe58ng	${}^{93}\text{Nb}(n,2n){}^{92m}\text{Nb}$	Nb93n2nm
${}^{23}\text{Na}(n,2n){}^{22}\text{Na}$	Na23n2n	${}^{54}\text{Fe}(n,2n){}^{53}\text{Fe}$	Fe54n2n	${}^{93}\text{Nb}(n,n'){}^{93m}\text{Nb}$	Nb93nmm
${}^{24}\text{Mg}(n,p){}^{24}\text{Na}$	Mg24np	${}^{57}\text{Fe}(n,np){}^{56}\text{Mn}$	Fe57nnp	${}^{151}\text{Eu}(n,g){}^{152}\text{Eu}$	Eu151ng
${}^{27}\text{Al}(n,\alpha){}^{24}\text{Na}$	Al27na	${}^{59}\text{Co}(n,\alpha){}^{56}\text{Mn}$	Co59na	$\text{Gd}(n,g)$	Gdng
${}^{27}\text{Al}(n,p){}^{27}\text{Mg}$	Al27np	${}^{59}\text{Co}(n,g){}^{60}\text{Co}$	Co59ng	${}^{169}\text{Tm}(n,2n){}^{168}\text{Tm}$	Tm169n2n
${}^{31}\text{P}(n,p){}^{31}\text{Si}$	P31np	${}^{59}\text{Co}(n,2n){}^{58}\text{Co}$	Co59n2n	${}^{181}\text{Ta}(n,g){}^{182}\text{Ta}$	Ta181ng
${}^{32}\text{S}(n,p){}^{32}\text{P}$	S32np	${}^{58}\text{Ni}(n,p){}^{58}\text{Co}$	Ni58np	${}^{186}\text{W}(n,g){}^{187}\text{W}$	W186ng
${}^{45}\text{Sc}(n,g){}^{46}\text{Sc}$	Sc45ng	${}^{60}\text{Ni}(n,p){}^{60}\text{Co}$	Ni60np	${}^{197}\text{Au}(n,g){}^{198}\text{Au}$	Au197ng
$\text{Ti}(n,x){}^{46}\text{Sc}$	TinxSc46	${}^{58}\text{Ni}(n,2n){}^{57}\text{Ni}$	Ni58n2n	${}^{197}\text{Au}(n,2n){}^{196}\text{Au}$	Au197n2n
$\text{Ti}(n,x){}^{47}\text{Sc}$	TinxSc47	${}^{63}\text{Cu}(n,\alpha){}^{60}\text{Co}$	Cu63na	${}^{199}\text{Hg}(n,n'){}^{199m}\text{Hg}$	Hg199nmm
$\text{Ti}(n,x){}^{48}\text{Sc}$	TinxSc48	${}^{63}\text{Cu}(n,g){}^{64}\text{Cu}$	Cu63ng	${}^{204}\text{Pb}(n,n'){}^{204m}\text{Pb}$	Pb204nmm
${}^{46}\text{Ti}(n,p){}^{46}\text{Sc}$	Ti46np	${}^{63}\text{Cu}(n,2n){}^{62}\text{Cu}$	Cu63n2n	${}^{232}\text{Th}(n,g){}^{233}\text{Th}$	Th232ng
${}^{47}\text{Ti}(n,p){}^{47}\text{Sc}$	Ti47np	${}^{65}\text{Cu}(n,2n){}^{64}\text{Cu}$	Cu65n2n	${}^{232}\text{Th}(n,f)$	Th232nf
${}^{48}\text{Ti}(n,p){}^{48}\text{Sc}$	Ti48np	${}^{64}\text{Zn}(n,p){}^{64}\text{Cu}$	Zn64np	${}^{238}\text{U}(n,g){}^{239}\text{U}$	U238ng
${}^{47}\text{Ti}(n,np){}^{46}\text{Sc}$	Ti47nnp	${}^{75}\text{As}(n,2n){}^{74}\text{As}$	As75n2n	${}^{235}\text{U}(n,f)$	U235nf
${}^{48}\text{Ti}(n,np){}^{47}\text{Sc}$	Ti48nnp	${}^{89}\text{Y}(n,2n){}^{88}\text{Y}$	Y89n2n	${}^{238}\text{U}(n,f)$	U238nf
${}^{49}\text{Ti}(n,np){}^{48}\text{Sc}$	Ti49nnp	${}^{90}\text{Zr}(n,2n){}^{89}\text{Zr}$	Zr90n2n	${}^{237}\text{Np}(n,f)$	Np237nf
${}^{46}\text{Ti}(n,2n){}^{45}\text{Ti}$	Ti46n2n	${}^{93}\text{Nb}(n,g){}^{94}\text{Nb}$	Nb93ng	${}^{239}\text{Pu}(n,f)$	Pu239nf
${}^{51}\text{V}(n,\alpha){}^{48}\text{Sc}$	V51na	${}^{103}\text{Rh}(n,n'){}^{103m}\text{Rh}$	Rh103nmm	${}^{241}\text{Am}(n,f)$	Am241nf