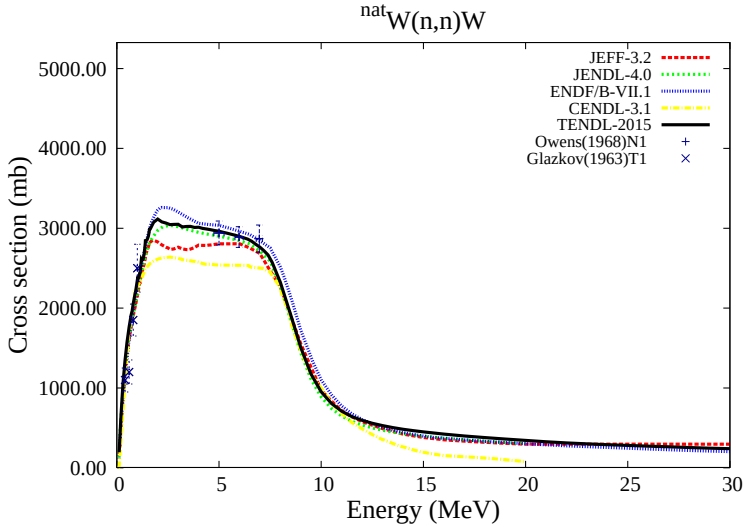
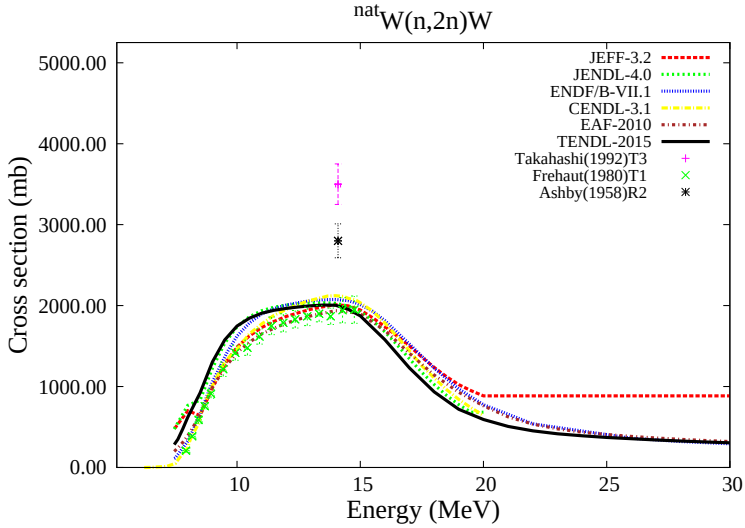

natW(n,n)W
JEFF-3.2
JENDL-4.0
ENDF/B-VII.1
CENDL-3.1
TENDL-2015
Owens(1968)N1
Glazkov(1963)T1
Cross section (mb)
Energy (MeV)


natW(n,2n)W
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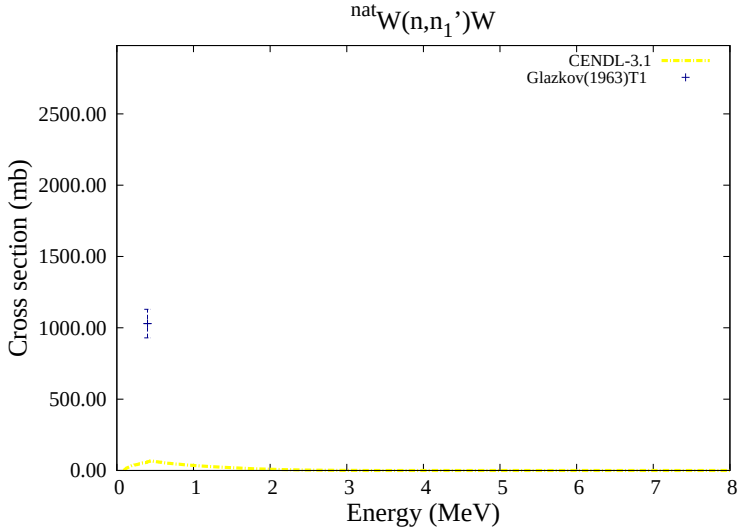
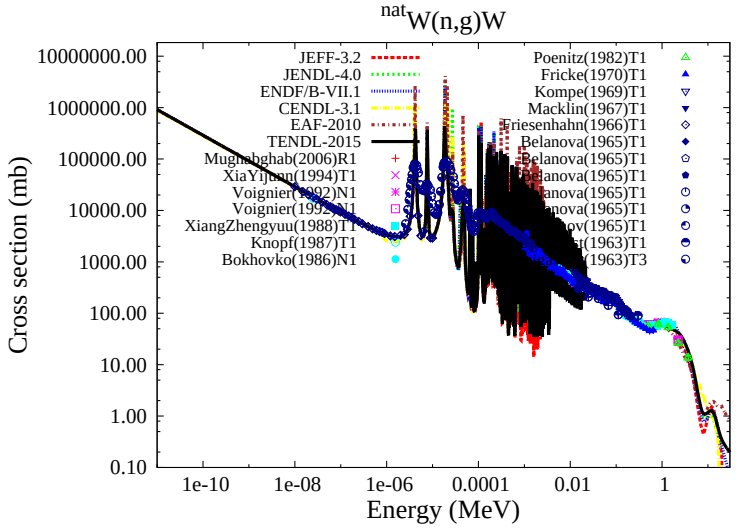
JENDL-4.0
ENDF/B-VII.1
CENDL-3.1
EAF-2010
TENDL-2015
Takahashi(1992)T3
Frehaut(1980)T1
Ashby(1958)R2
Cross section (mb)
Energy (MeV)


natW(n,n1')W
CENDL-3.1
Glazkov(1963)T1
Cross section (mb)
Energy (MeV)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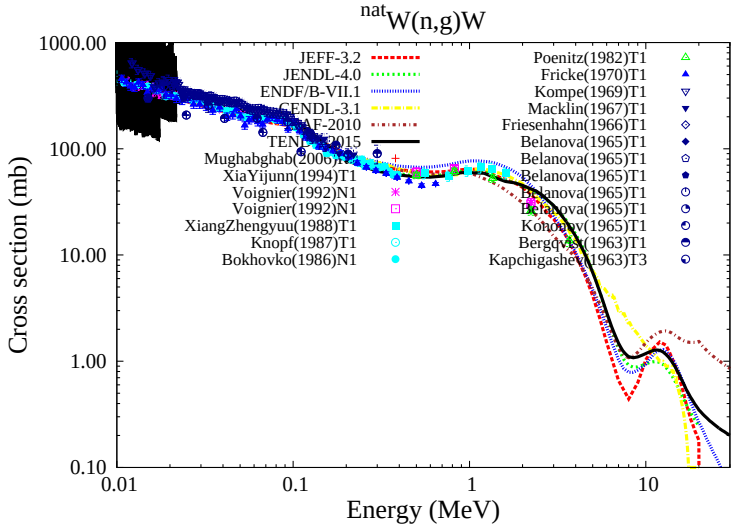
JENDL-4.0
ENDF/B-VII.1
CENDL-3.1
EAF-2010
TENDL-2015
Mughabghab(2006)R1
XiaYijunn(1994)T1
Voignier(1992)N1
XiangZhengyuu(1988)T1
Knopf(1987)T1
Bokhovko(1986)N1
Poenitz(1982)T1
Fricke(1970)T1
Kompe(1969)T1
Macklin(1967)T1
Friesenhahn(1966)T1
Belanova(1965)T1
Cross section (mb)
Energy (MeV)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JENDL-4.0
ENDF/B-VII.1
CENDL-3.1
EAF-2010
TENDL-2015
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XiaYijunn(1994)T1
Voignier(1992)N1
Voignier(1992)N1
XiangZhengyuu(1988)T1
Knopf(1987)T1
Bokhovko(1986)N1
Poenitz(1982)T1
Fricke(1970)T1
Kompe(1969)T1
Macklin(1967)T1
Friesenhahn(1966)T1
Belanova(1965)T1
Belanova(1965)T1
Belanova(1965)T1
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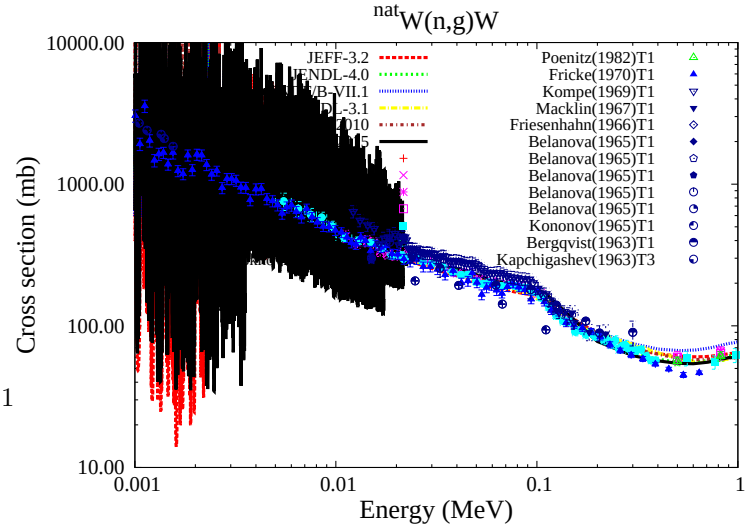
Kononov(1965)T1
Bergqvist(1963)T1
Kapchigashev(1963)T3
Cross section (mb)
Energy (MeV)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JEFF-3.2
JENDL-4.0
Poenitz(1982)T1
Fricke(1970)T1
Kompe(1969)T1
Macklin(1967)T1
Friesenhahn(1966)T1
Belanova(1965)T1
Belanova(1965)T1
Belanova(1965)T1
Belanova(1965)T1
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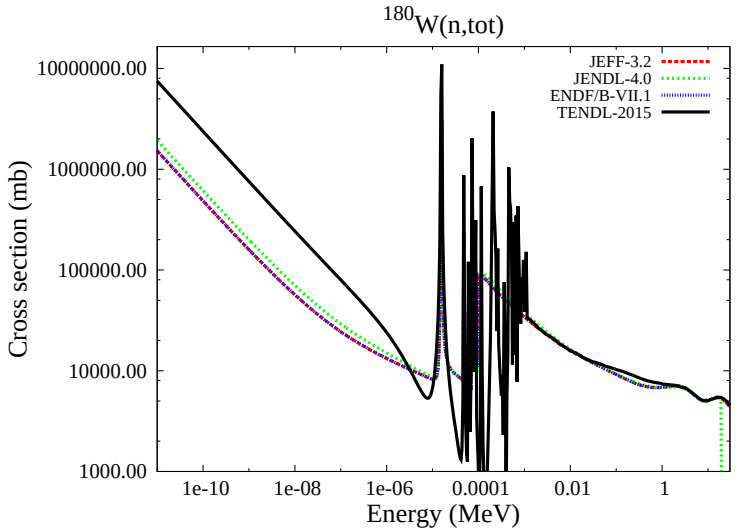
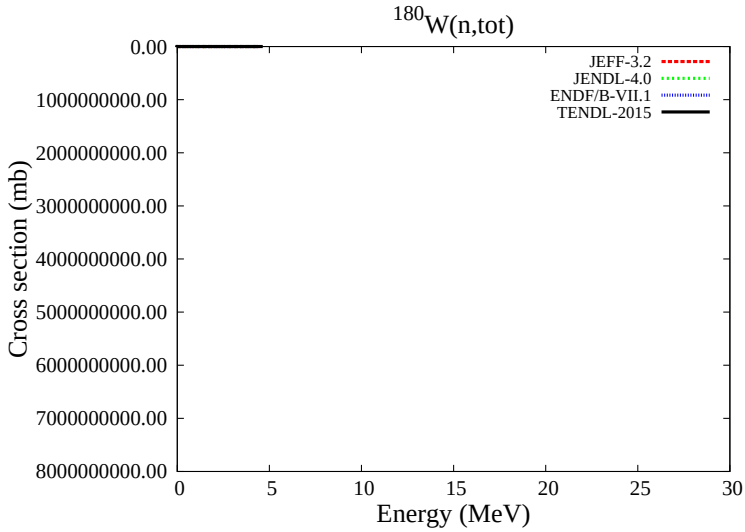
Kononov(1965)T1
Bergqvist(1963)T1
Kapchigashev(1963)T3
Cross section (mb)
Energy (MeV)


180W(n,tot)
JEFF-3.2
JENDL-4.0
ENDF/B-VII.1
TENDL-2015
Cross section (mb)
Energy (MeV)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JENDL-4.0
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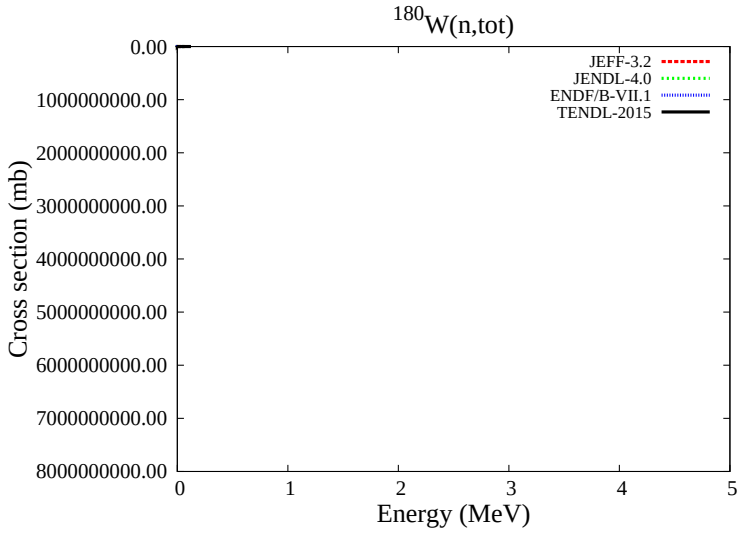
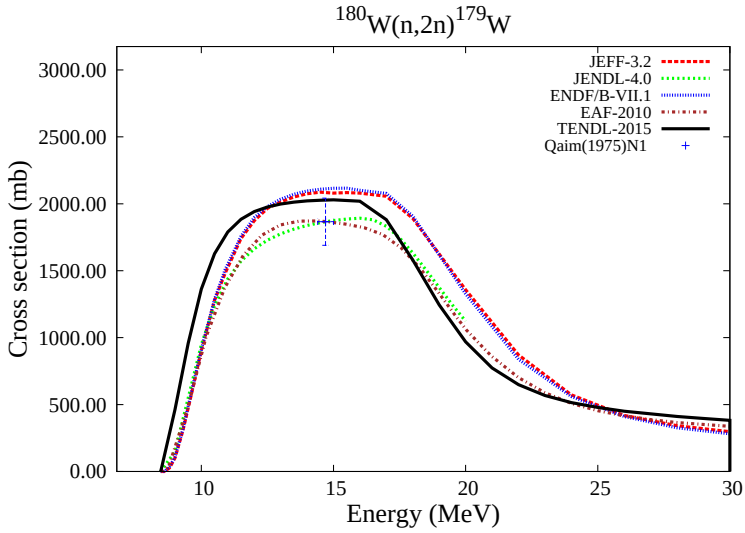
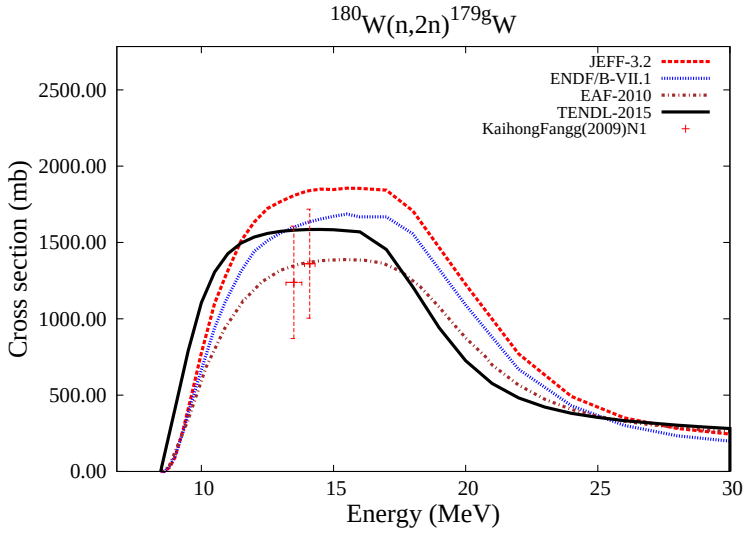
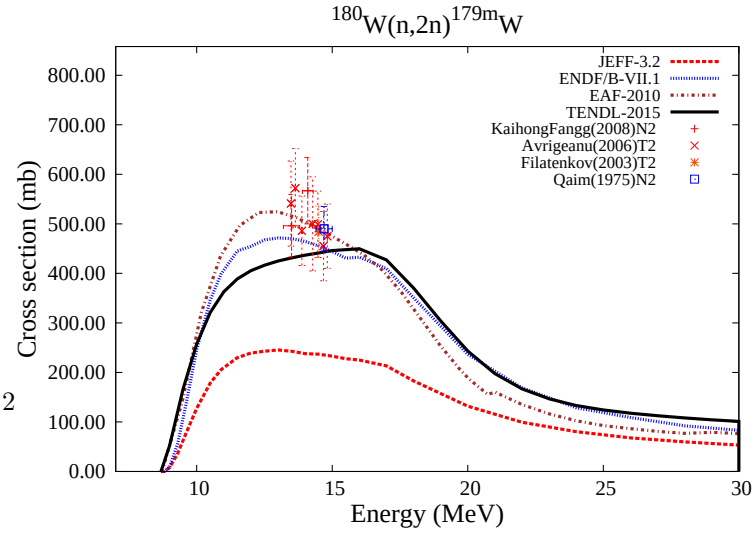
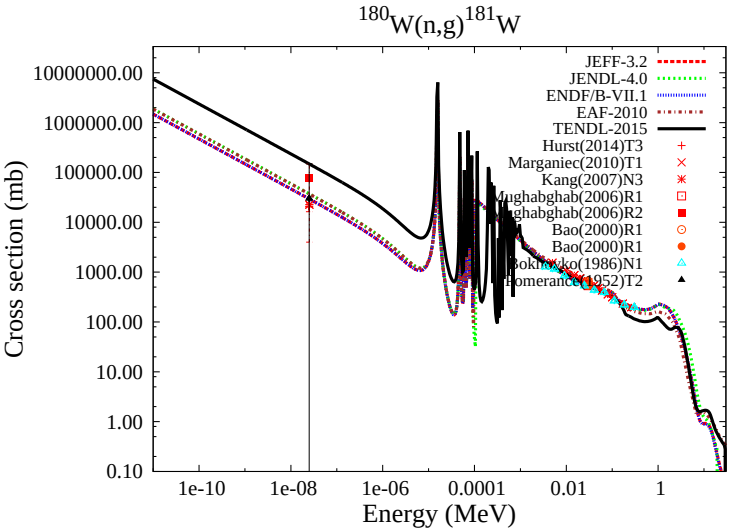
TENDL-2015
Cross section (mb)
Energy (MeV)

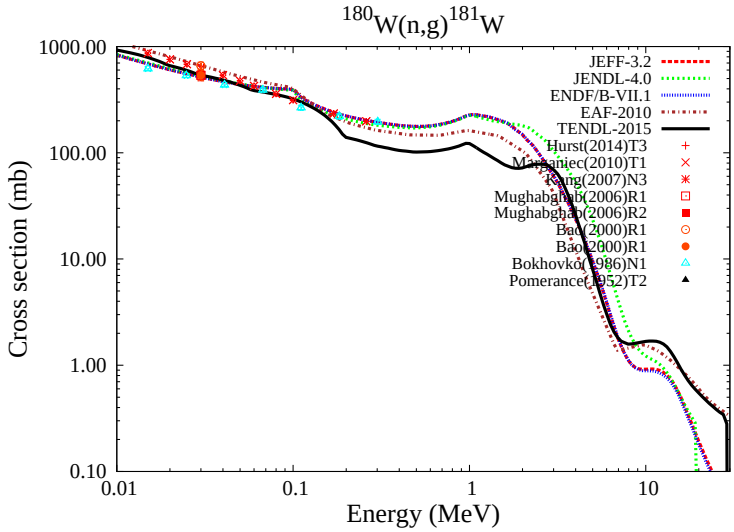

180W(n,tot)
JEFF-3.2
JENDL-4.0
ENDF/B-VII.1
TENDL-2015
Cross section (mb)
Energy (MeV)


180W(n,2n)179W
JEFF-3.2
JENDL-4.0
ENDF/B-VII.1
EAF-2010
TENDL-2015
Qaim(1975)N1
Cross section (mb)
Energy (MeV)


180W(n,2n)179gW
JEFF-3.2
ENDF/B-VII.1
EAF-2010
TENDL-2015
KaihongFangg(2009)N1
Cross section (mb)
Energy (MeV)


180W(n,2n)179mW
JEFF-3.2
ENDF/B-VII.1
EAF-2010
TENDL-2015
KaihongFangg(2008)N2
Avrigeanu(2006)T2
Filatenkov(2003)T2
Qaim(1975)N2
Cross section (mb)
Energy (MeV)


180W(n,g)181W
JEFF-3.2
JENDL-4.0
ENDF/B-VII.1
EAF-2010
TENDL-2015
Hurst(2014)T3
Marganiec(2010)T1
Kang(2007)N3
Mughabghab(2006)R1
Mughabghab(2006)R2
Bao(2000)R1
Bao(2000)R1
Bokhovko(1986)N1
Pomerance(1952)T2
Cross section (mb)
Energy (MeV)


180W(n,g)181W
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JENDL-4.0
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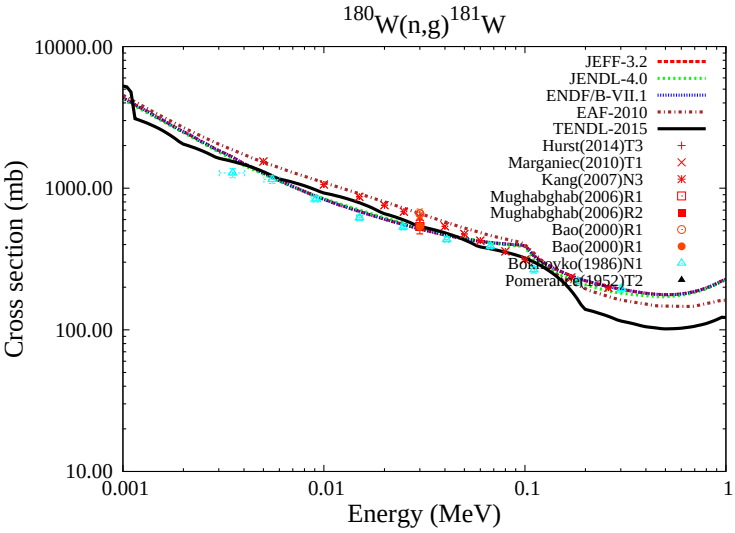
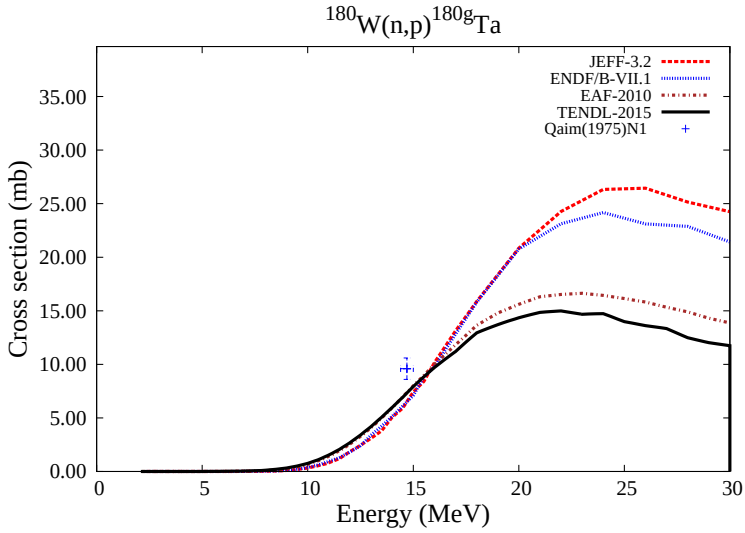
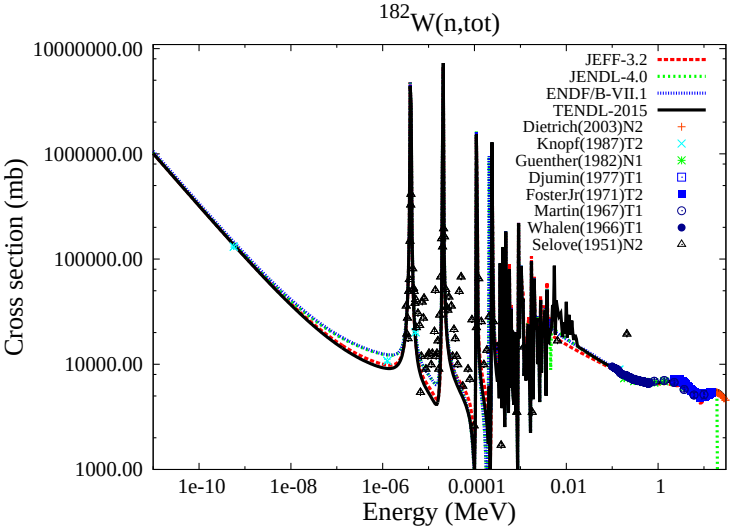
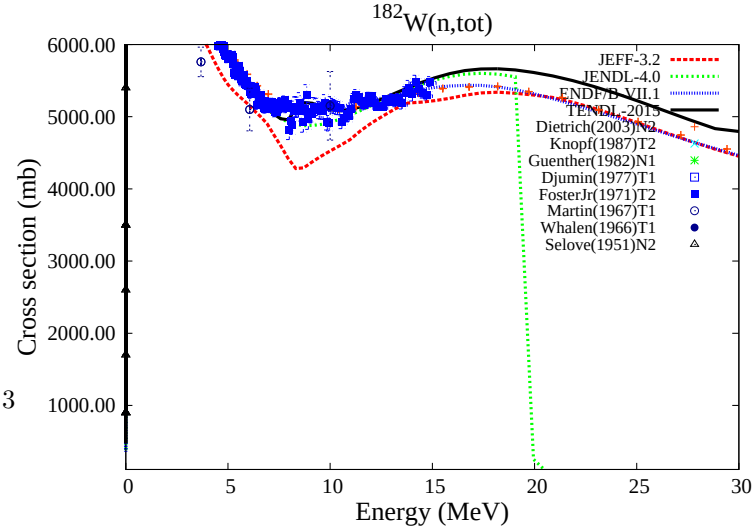
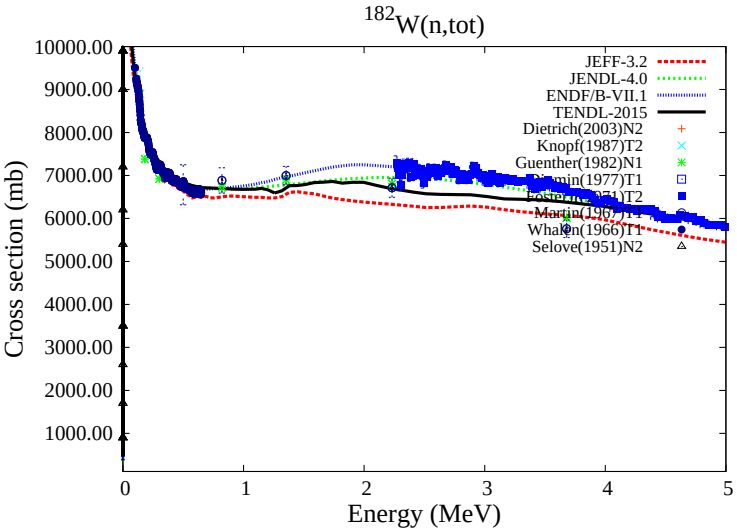
EAF-2010
TENDL-2015
Hurst(2014)T3
Marganiec(2010)T1
Kang(2007)N3
Mughabghab(2006)R1
Mughabghab(2006)R2
Bao(2000)R1
Bao(2000)R1
Bokhovko(1986)N1
Pomerance(1952)T2
Cross section (mb)
Energy (MeV)

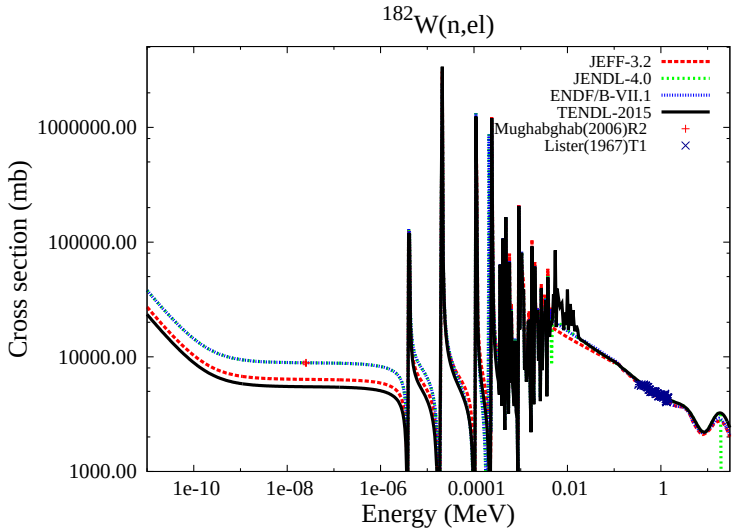

180W(n,g)181W
JEFF-3.2
JENDL-4.0
ENDF/B-VII.1
EAF-2010
TENDL-2015
Hurst(2014)T3
Marganiec(2010)T1
Kang(2007)N3
Mughabghab(2006)R1
Mughabghab(2006)R2
Bao(2000)R1
Bao(2000)R1
Bokhovko(1986)N1
Pomerance(1952)T2
Cross section (mb)
Energy (MeV)


180W(n,p)180gTa
JEFF-3.2
ENDF/B-VII.1
EAF-2010
TENDL-2015
Qaim(1975)N1
Cross section (mb)
Energy (MeV)


182W(n,tot)
JEFF-3.2
JENDL-4.0
ENDF/B-VII.1
TENDL-2015
Dietrich(2003)N2
Knopf(1987)T2
Guenther(1982)N1
Djumin(1977)T1
FosterJr(1971)T2
Martin(1967)T1
Whalen(1966)T1
Selove(1951)N2
Cross section (mb)
Energy (MeV)


182W(n,tot)
JEFF-3.2
JENDL-4.0
ENDF/B-VII.1
TENDL-2015
Dietrich(2003)N2
Knopf(1987)T2
Guenther(1982)N1
Djumin(1977)T1
FosterJr(1971)T2
Martin(1967)T1
Whalen(1966)T1
Selove(1951)N2
Cross section (mb)
Energy (MeV)


182W(n,tot)
JEFF-3.2
JENDL-4.0
ENDF/B-VII.1
TENDL-2015
Dietrich(2003)N2
Knopf(1987)T2
Guenther(1982)N1
Whalen(1966)T1
Selove(1951)N2
Cross section (mb)
Energy (MeV)


182W(n,el)
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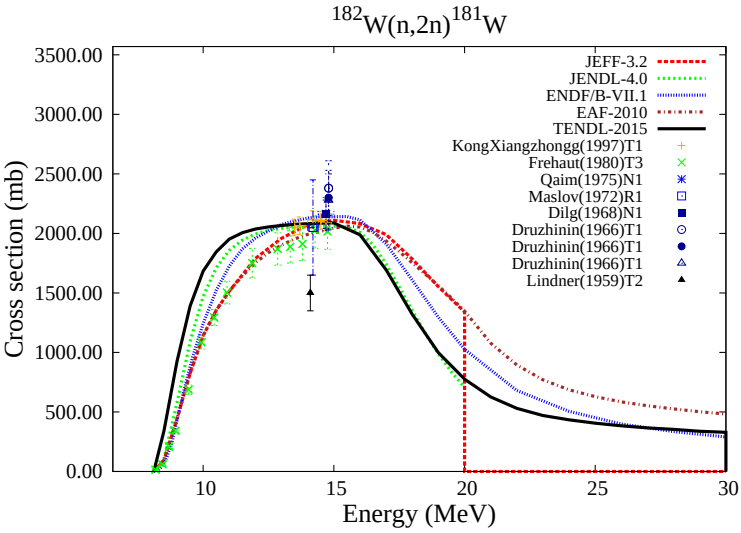
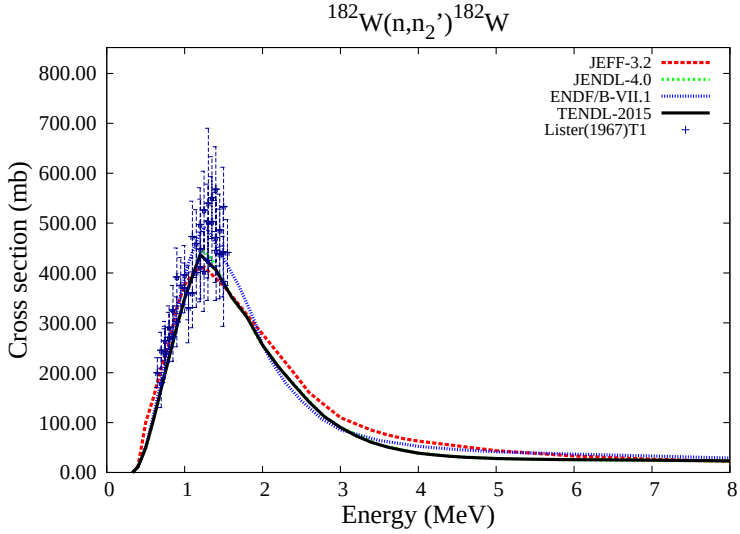
JENDL-4.0
ENDF/B-VII.1
TENDL-2015
Mughabghab(2006)R2
Lister(1967)T1
Cross section (mb)
Energy (MeV)


182W(n,2n)181W
JEFF-3.2
JENDL-4.0
ENDF/B-VII.1
EAF-2010
TENDL-2015
KongXiangzhongg(1997)T1
Frehaut(1980)T3
Qaim(1975)N1
Maslov(1972)R1
Dilg(1968)N1
Druzhinin(1966)T1
Druzhinin(1966)T1
Druzhinin(1966)T1
Lindner(1959)T2
Cross section (mb)
Energy (MeV)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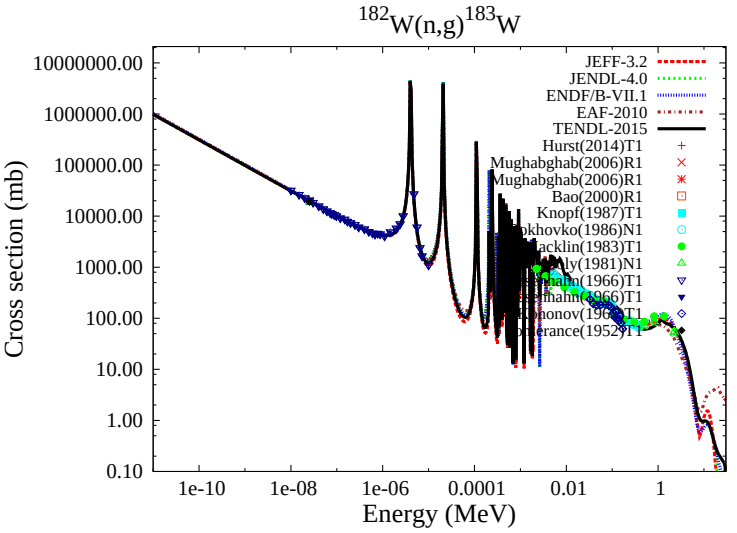
TENDL-2015
Lister(1967)T1
Cross section (mb)
Energy (MeV)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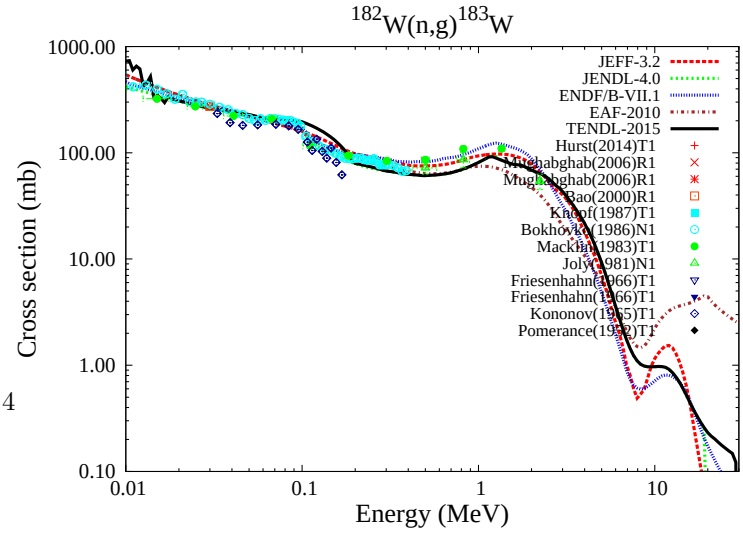
JENDL-4.0
ENDF/B-VII.1
EAF-2010
TENDL-2015
Hurst(2014)T1
Mughabghab(2006)R1
Mughabghab(2006)R1
Bao(2000)R1
Knopf(1987)T1
Cross section (mb)
Energy (MeV)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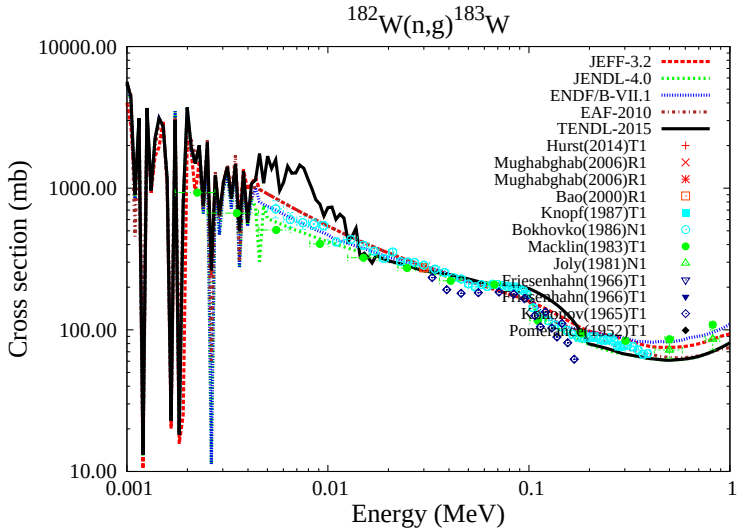
JEFF-3.2
JENDL-4.0
ENDF/B-VII.1
EAF-2010
TENDL-2015
Hurst(2014)T1
Mughabghab(2006)R1
Mughabghab(2006)R1
Bao(2000)R1
Knopf(1987)T1
Bokhovko(1986)N1
Macklin(1983)T1
Joly(1981)N1
Friesenhahn(1966)T1
Friesenhahn(1966)T1
Kononov(1965)T1
Pomerance(1952)T1
Cross section (mb)
Energy (MeV)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Cross section (mb)
Energy (MeV)
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JENDL-4.0
ENDF/B-VII.1
EAF-2010
TENDL-2015
Hurst(2014)T1
Mughabghab(2006)R1
Mughabghab(2006)R1
Bao(2000)R1
Knopf(1987)T1
Bokhovko(1986)N1
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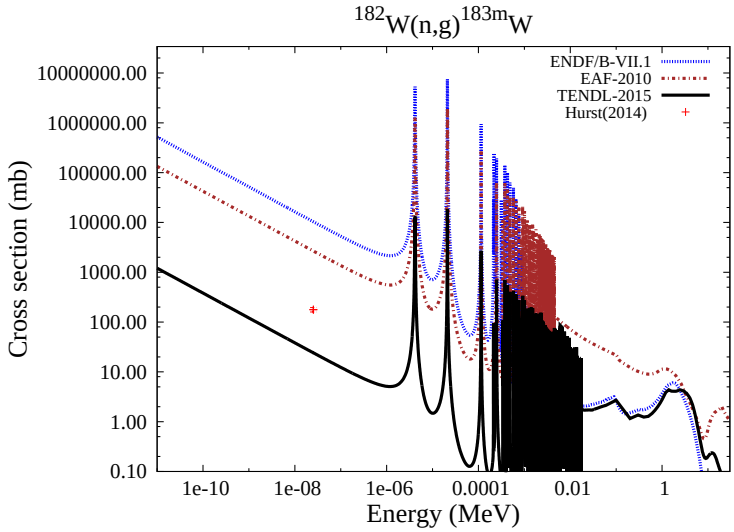
Ponomarev(1952)T1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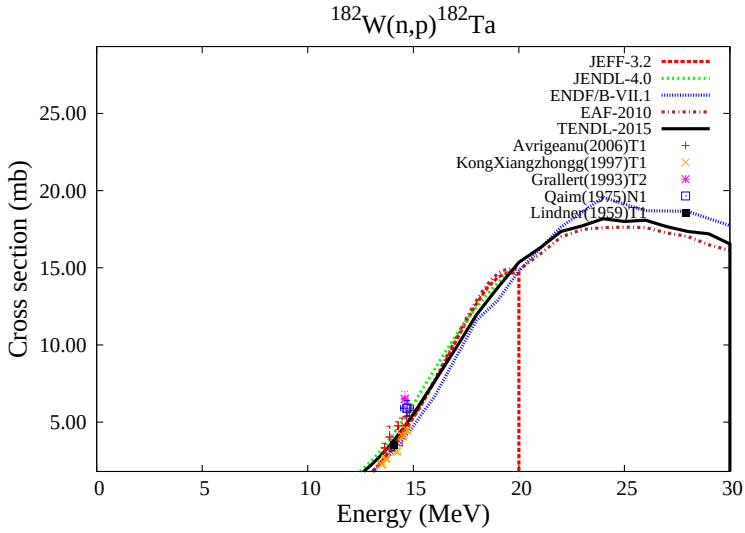
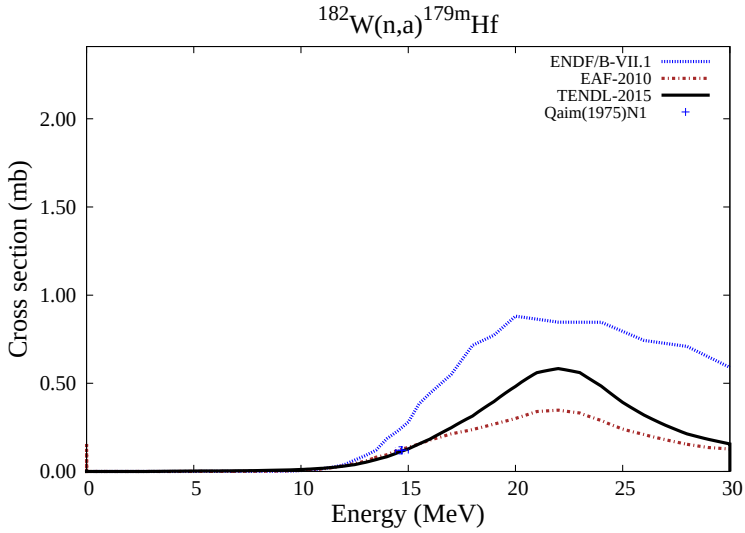
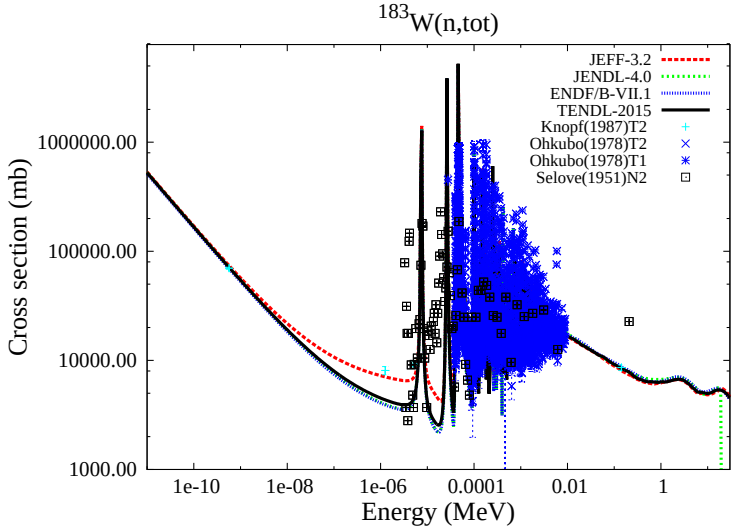
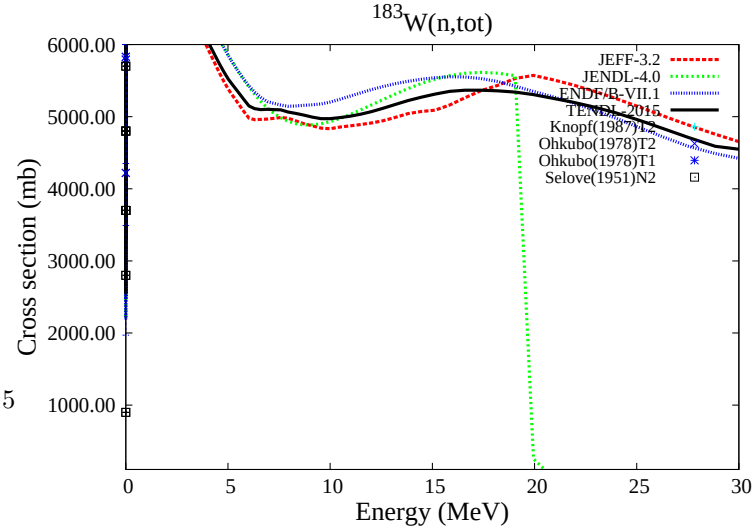
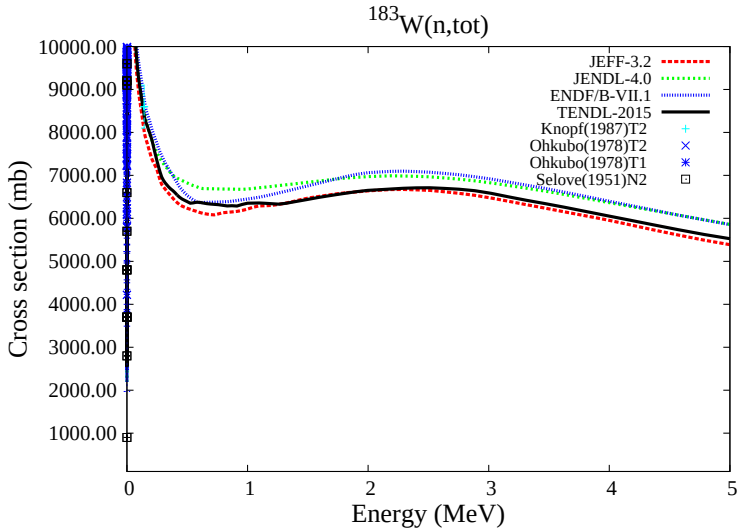
Cross section (mb)
Energy (MeV)
ENDF/B-VII.1
EAF-2010
TENDL-2015
Hurst(2014)

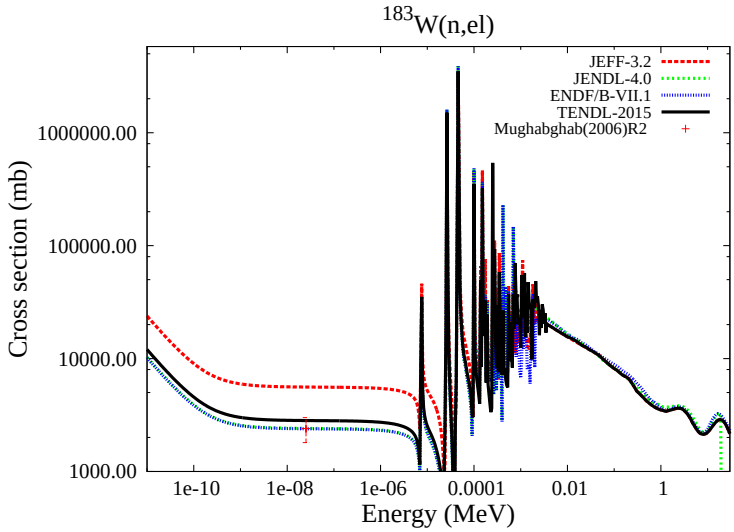

182W(n,p)182Ta
Cross section (mb)
Energy (MeV)
JEFF-3.2
JENDL-4.0
ENDF/B-VII.1
EAF-2010
TENDL-2015
Avrigeanu(2006)T1
KongXiangzhongg(1997)T1
Grallert(1993)T2
Qaim(1975)N1
Lindner(1959)T1

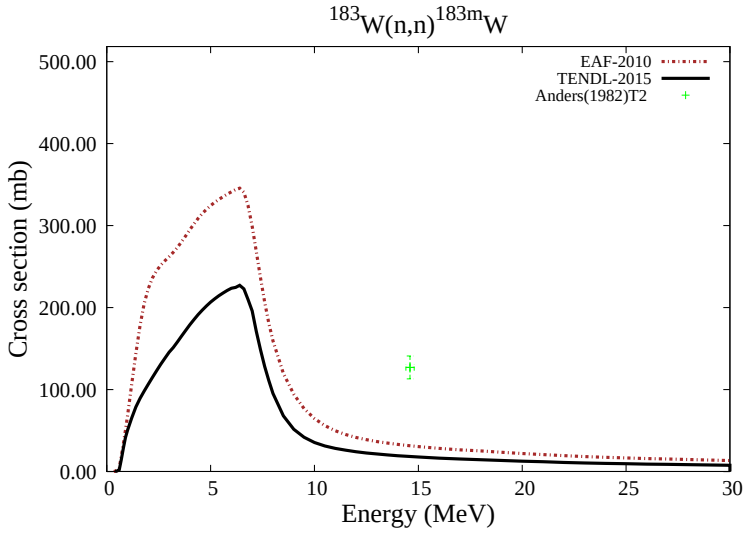

182W(n,a)179mHf
Cross section (mb)
Energy (MeV)
ENDF/B-VII.1
EAF-2010
TENDL-2015
Qaim(1975)N1

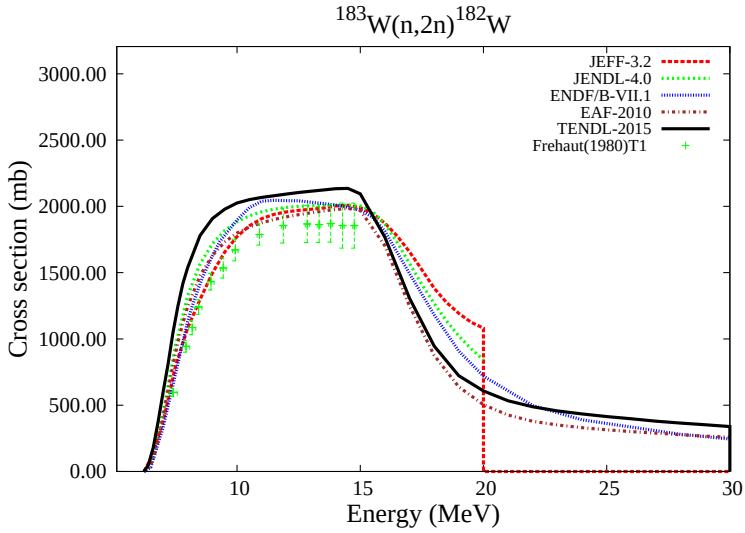

183W(n,tot)
Cross section (mb)
Energy (MeV)
JEFF-3.2
JENDL-4.0
ENDF/B-VII.1
TENDL-2015
Knopf(1987)T2
Ohkubo(1978)T2
Ohkubo(1978)T1
Selove(1951)N2

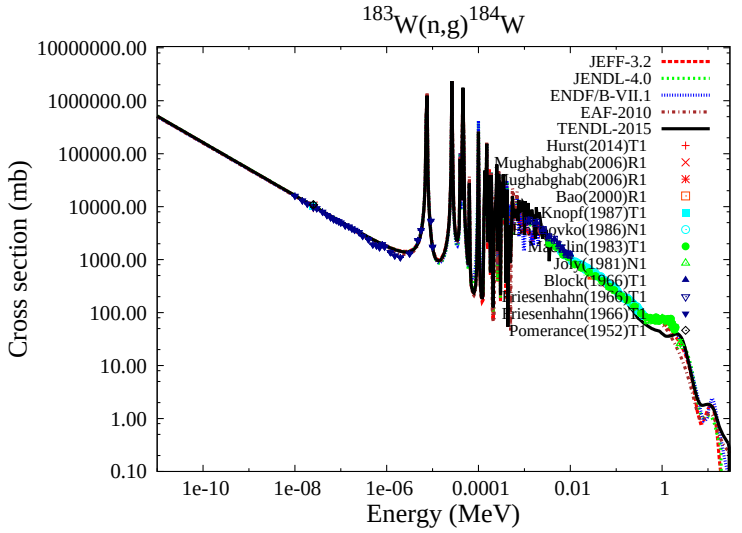

183W(n,tot)
Cross section (mb)
Energy (MeV)
JEFF-3.2
JENDL-4.0
ENDF/B-VII.1
TENDL-2015
Knopf(1987)T2
Ohkubo(1978)T2
Ohkubo(1978)T1
Selove(1951)N2

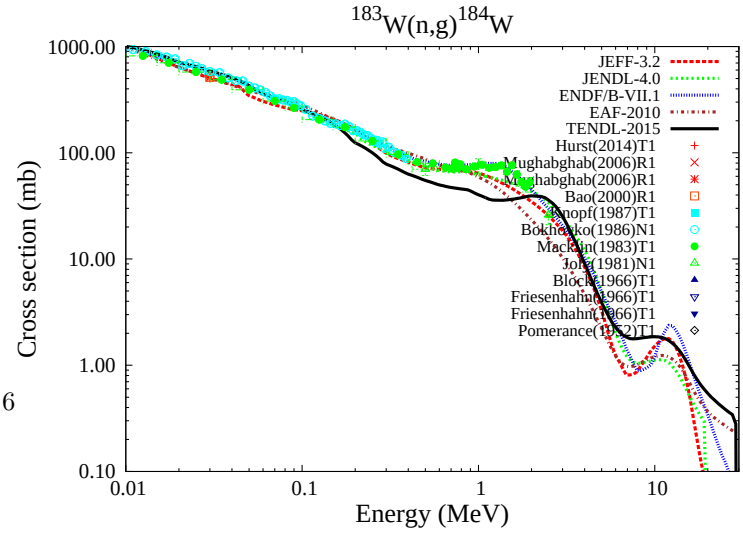

183W(n,tot)
JEFF-3.2
JENDL-4.0
ENDF/B-VII.1
TENDL-2015
Knopf(1987)T2
Ohkubo(1978)T2
Ohkubo(1978)T1
Selove(1951)N2
Cross section (mb)
Energy (MeV)

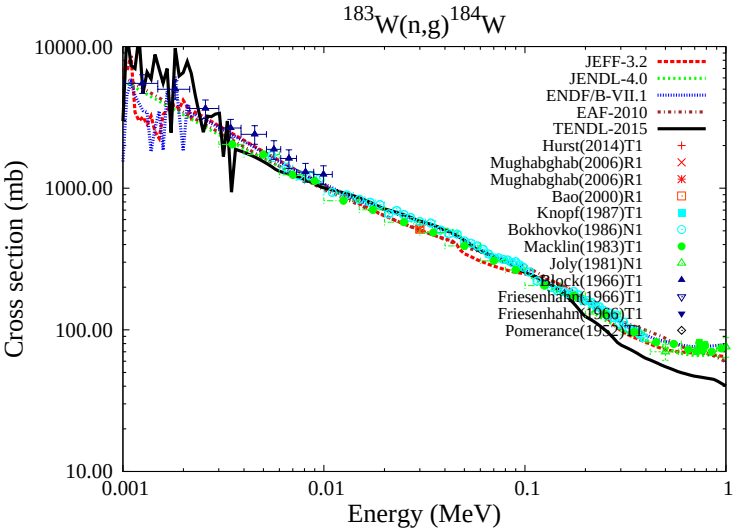

183W(n,el)
JEFF-3.2
JENDL-4.0
ENDF/B-VII.1
TENDL-2015
Mughabghab(2006)R2
Cross section (mb)
Energy (MeV)

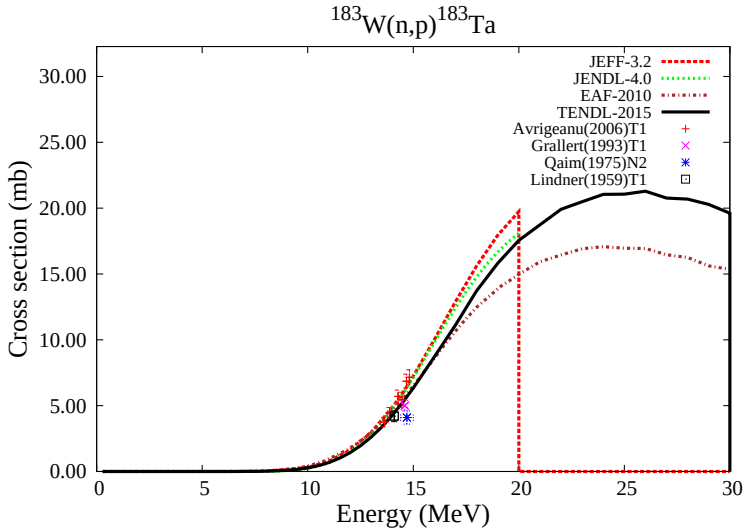

183W(n,n)183mW
EAF-2010
TENDL-2015
Anders(1982)T2
Cross section (mb)
Energy (MeV)

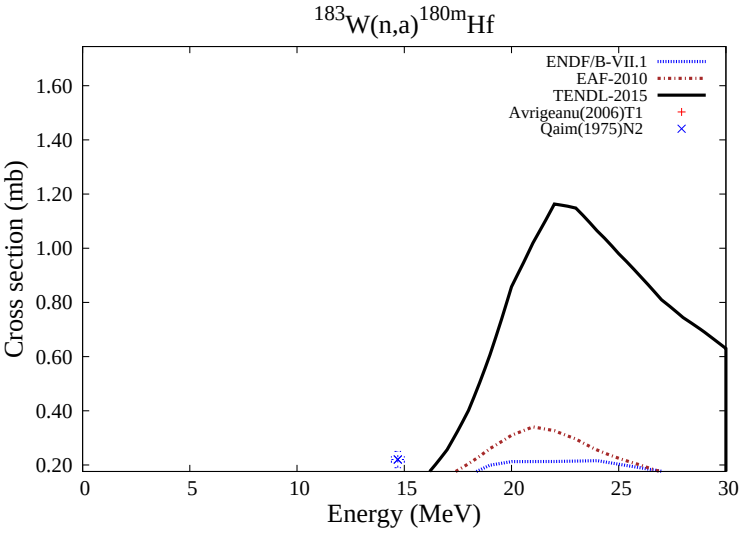

183W(n,2n)182W
JEFF-3.2
JENDL-4.0
ENDF/B-VII.1
EAF-2010
TENDL-2015
Frehaut(1980)T1
Cross section (mb)
Energy (MeV)

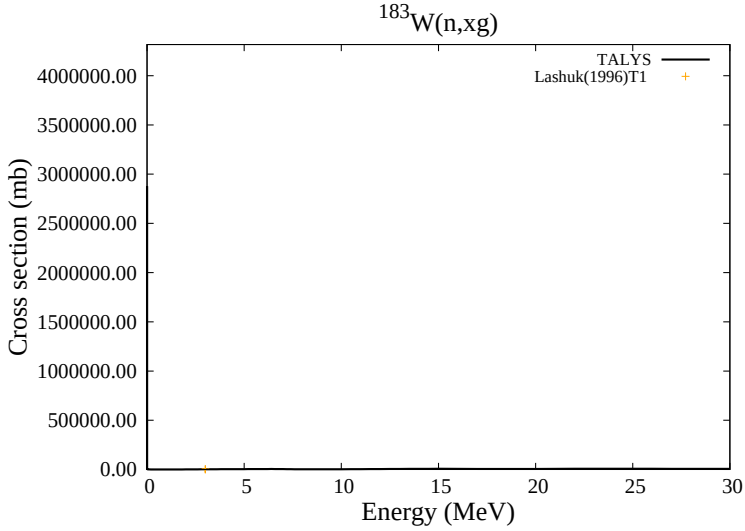

183W(n,g)184W
JEFF-3.2
JENDL-4.0
ENDF/B-VII.1
EAF-2010
TENDL-2015
Hurst(2014)T1
Mughabghab(2006)R1
Mughabghab(2006)R1
Bao(2000)R1
Knopf(1987)T1
Bokhovko(1986)N1
Macklin(1983)T1
Joly(1981)N1
Block(1966)T1
Friesenhahn(1966)T1
Friesenhahn(1966)T1
Pomerance(1952)T1
Cross section (mb)
Energy (MeV)

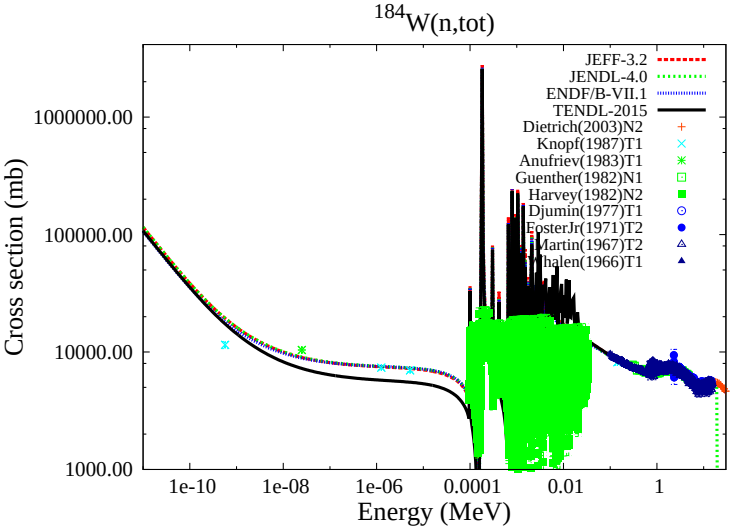

183W(n,g)184W
JEFF-3.2
JENDL-4.0
ENDF/B-VII.1
EAF-2010
TENDL-2015
Hurst(2014)T1
Mughabghab(2006)R1
Mughabghab(2006)R1
Bao(2000)R1
Knopf(1987)T1
Bokhovko(1986)N1
Macklin(1983)T1
Joly(1981)N1
Block(1966)T1
Friesenhahn(1966)T1
Friesenhahn(1966)T1
Pomerance(1952)T1
Cross section (mb)
Energy (MeV)

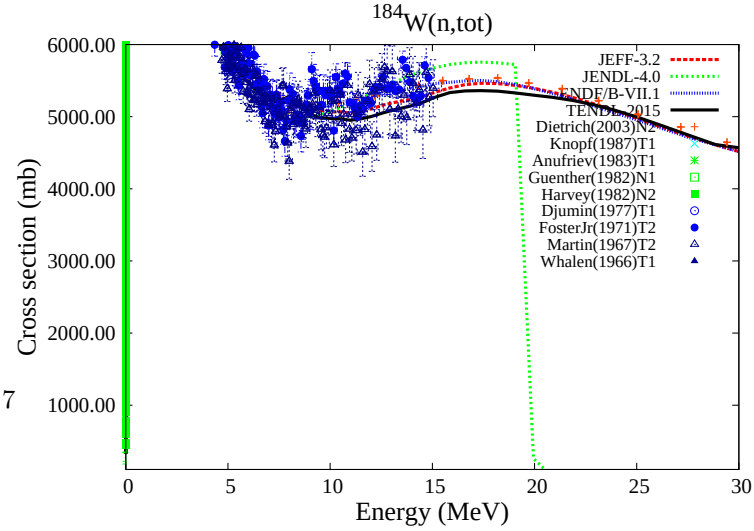

183W(n,g)184W
Cross section (mb)
Energy (MeV)
JEFF-3.2
JENDL-4.0
ENDF/B-VII.1
EAF-2010
TENDL-2015
Hurst(2014)T1
Mughabghab(2006)R1
Mughabghab(2006)R1
Bao(2000)R1
Knopf(1987)T1
Bokhovko(1986)N1
Macklin(1983)T1
Joly(1981)N1
Block(1966)T1
Friesenhahn(1966)T1
Friesenhahn(1966)T1
Pomerance(1952)T1

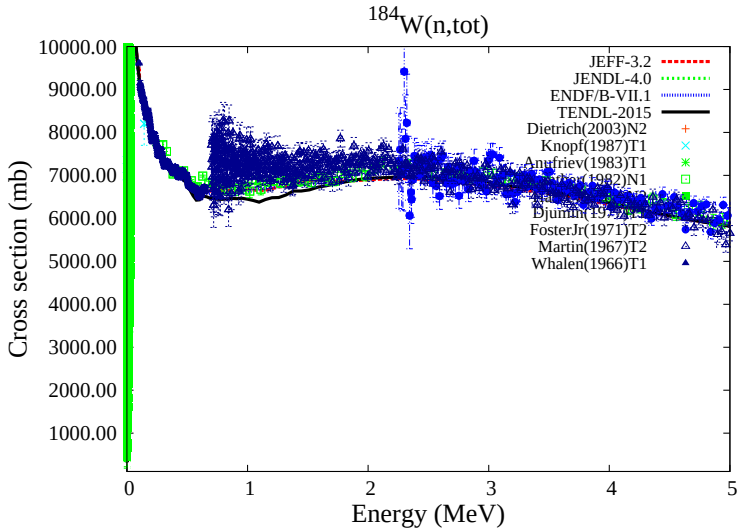

183W(n,p)183Ta
Cross section (mb)
Energy (MeV)
JEFF-3.2
JENDL-4.0
EAF-2010
TENDL-2015
Avrigeanu(2006)T1
Grallert(1993)T1
Qaim(1975)N2
Lindner(1959)T1

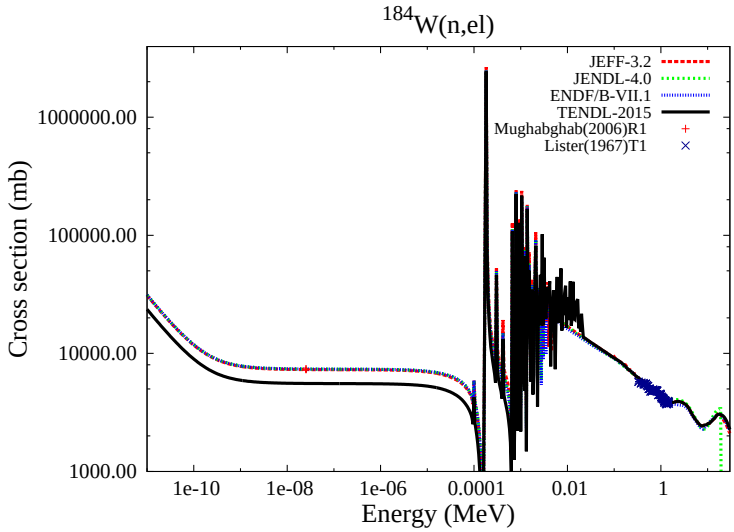

183W(n,a)180mHf
Cross section (mb)
Energy (MeV)
ENDF/B-VII.1
EAF-2010
TENDL-2015
Avrigeanu(2006)T1
Qaim(1975)N2

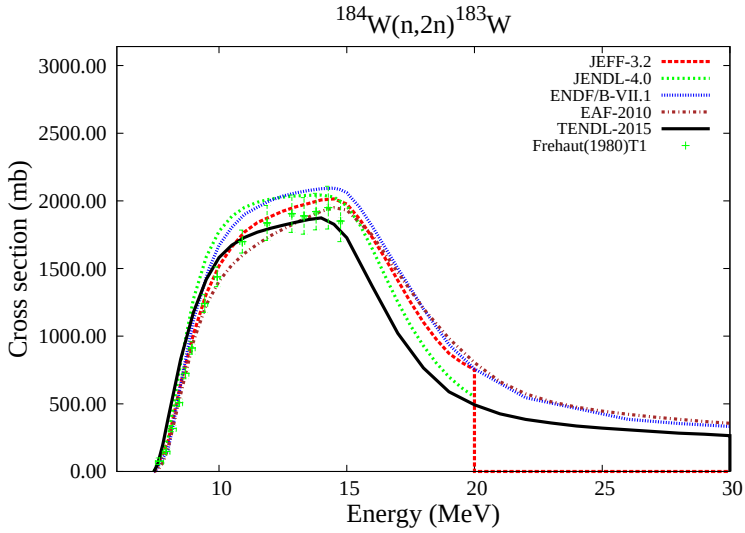

183W(n,xg)
Cross section (mb)
Energy (MeV)
TALYS
Lashuk(1996)T1

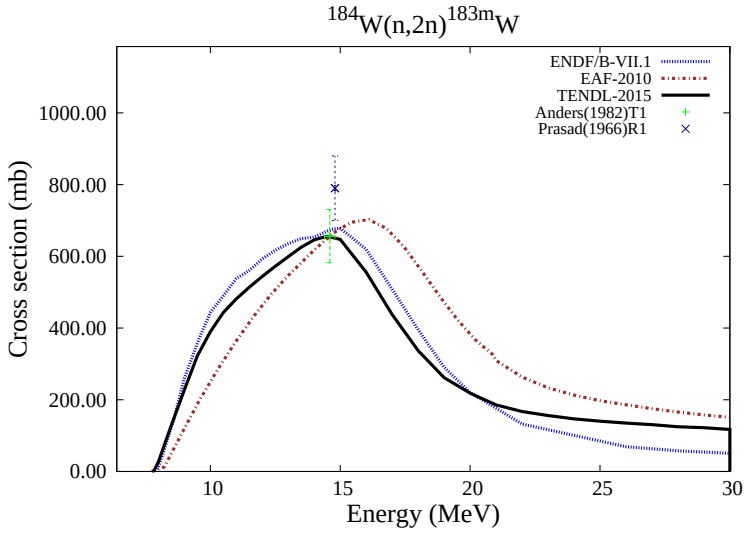

184W(n,tot)
Cross section (mb)
Energy (MeV)
JEFF-3.2
JENDL-4.0
ENDF/B-VII.1
TENDL-2015
Dietrich(2003)N2
Knopf(1987)T1
Anufriev(1983)T1
Guenther(1982)N1
Harvey(1982)N2
Djumin(1977)T1
FosterJr(1971)T2
Martin(1967)T2
Whalen(1966)T1

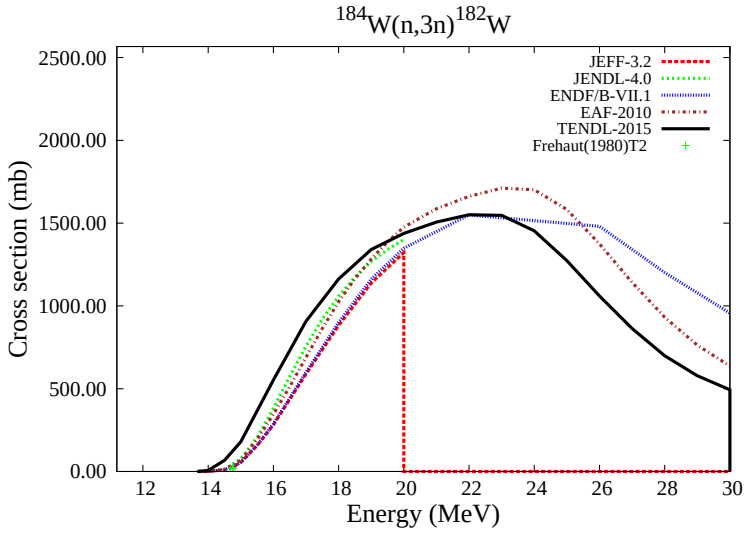

184W(n,tot)
Cross section (mb)
Energy (MeV)
JEFF-3.2
JENDL-4.0
ENDF/B-VII.1
TENDL-2015
Dietrich(2003)N2
Knopf(1987)T1
Anufriev(1983)T1
Guenther(1982)N1
Harvey(1982)N2
Djumin(1977)T1
FosterJr(1971)T2
Martin(1967)T2
Whalen(1966)T1

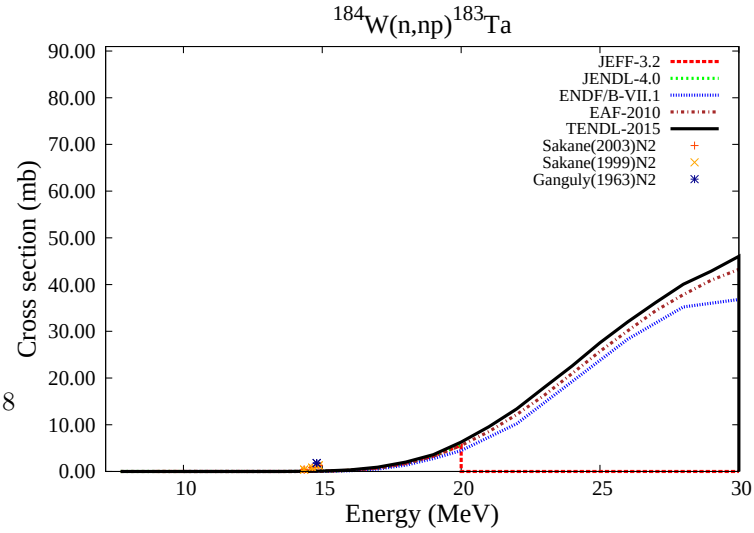

184W(n,tot)
JEFF-3.2
JENDL-4.0
ENDF/B-VII.1
TENDL-2015
Dietrich(2003)N2
Knopf(1987)T1
Anufriev(1983)T1
FosterJr(1971)T2
Martin(1967)T2
Whalen(1966)T1
Cross section (mb)
Energy (MeV)

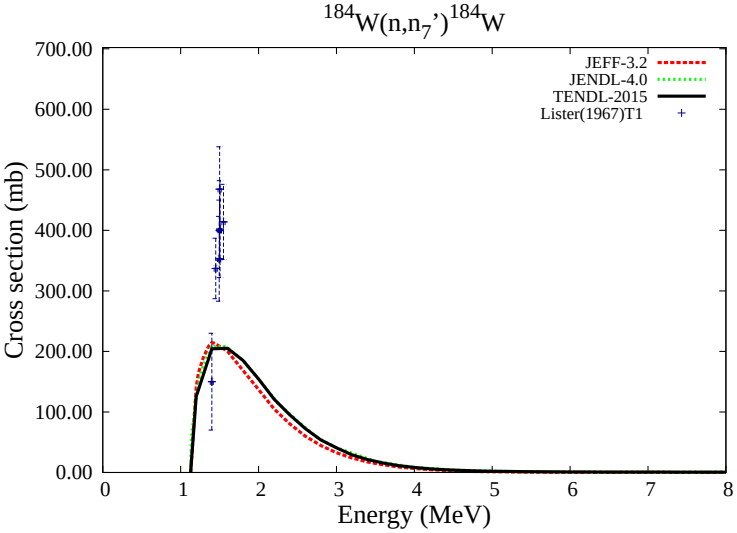

184W(n,el)
JEFF-3.2
JENDL-4.0
ENDF/B-VII.1
TENDL-2015
Mughabghab(2006)R1
Lister(1967)T1
Cross section (mb)
Energy (MeV)

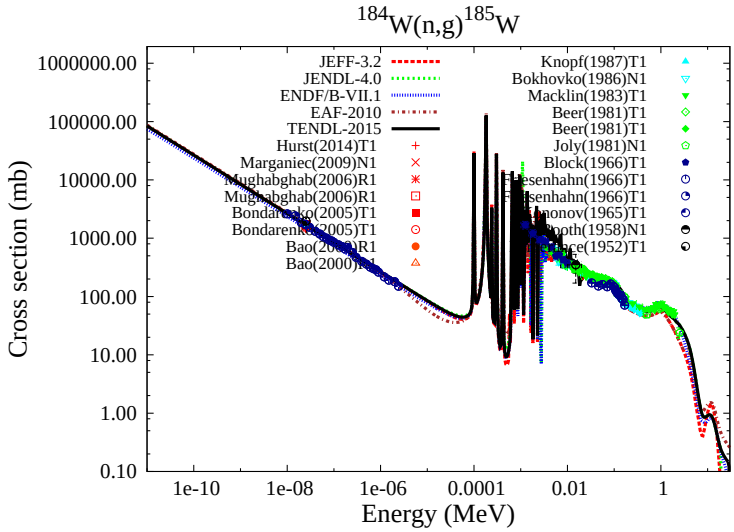

184W(n,2n)183W
JEFF-3.2
JENDL-4.0
ENDF/B-VII.1
EAF-2010
TENDL-2015
Frehaut(1980)T1
Cross section (mb)
Energy (MeV)

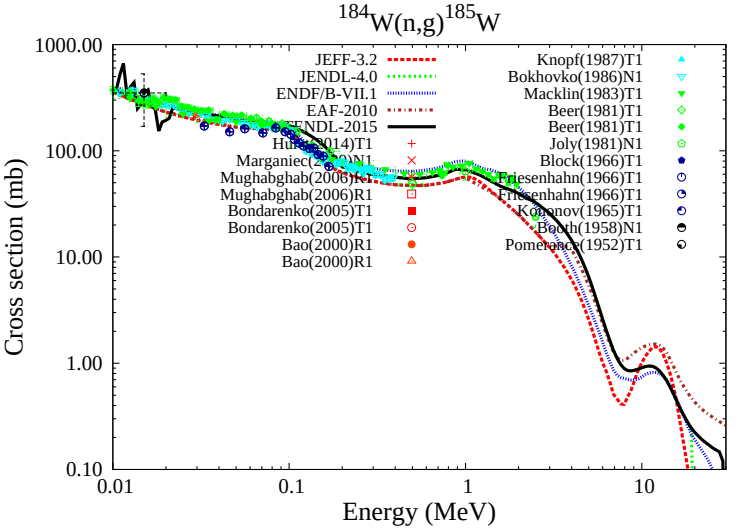

184W(n,2n)183mW
ENDF/B-VII.1
EAF-2010
TENDL-2015
Anders(1982)T1
Prasad(1966)R1
Cross section (mb)
Energy (MeV)

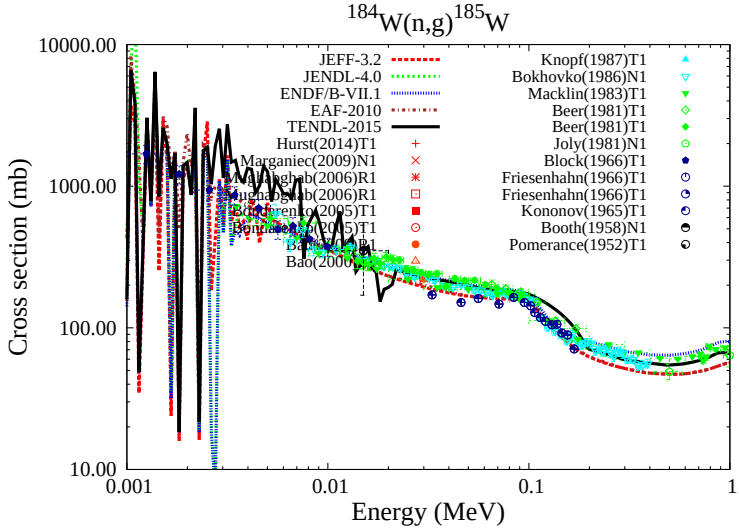

184W(n,3n)182W
JEFF-3.2
JENDL-4.0
ENDF/B-VII.1
EAF-2010
TENDL-2015
Frehaut(1980)T2
Cross section (mb)
Energy (MeV)

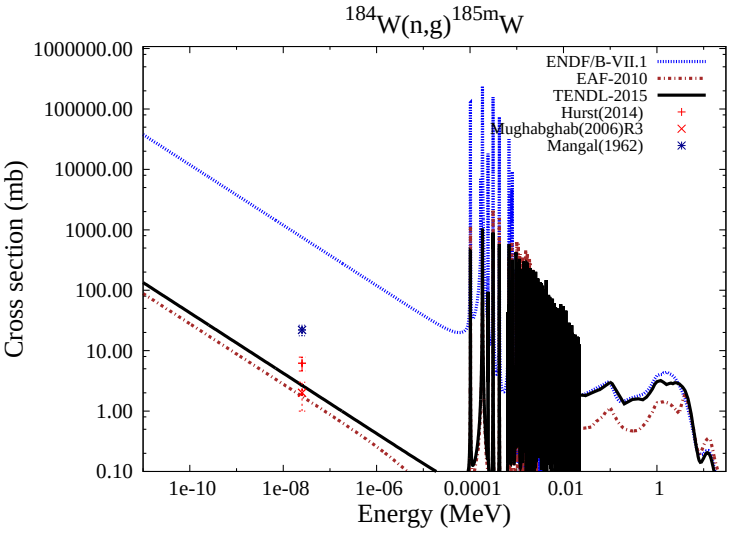

184W(n,np)183Ta
JEFF-3.2
JENDL-4.0
ENDF/B-VII.1
EAF-2010
TENDL-2015
Sakane(2003)N2
Sakane(1999)N2
Ganguly(1963)N2
Cross section (mb)
Energy (MeV)

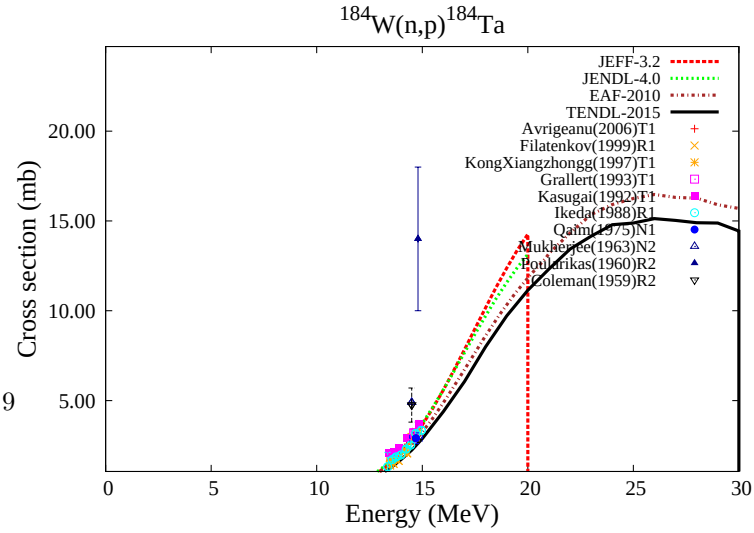

184W(n,n7')184W
JEFF-3.2
JENDL-4.0
TENDL-2015
Lister(1967)T1
Cross section (mb)
Energy (MeV)

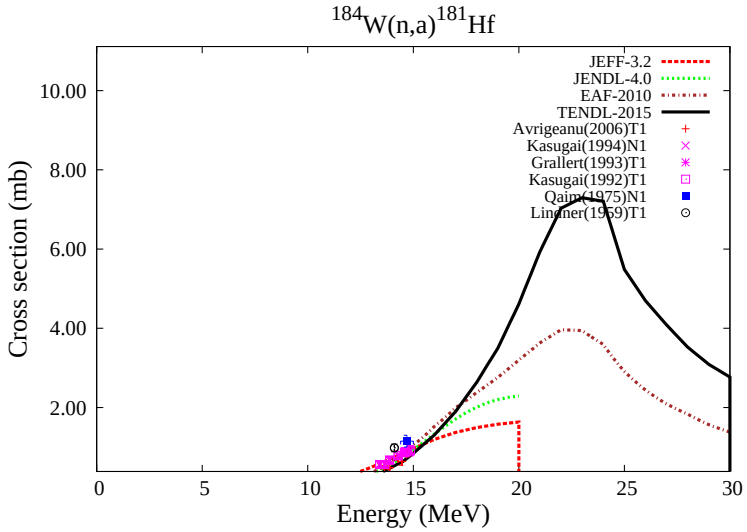

184W(n,g)185W
JEFF-3.2
JENDL-4.0
ENDF/B-VII.1
EAF-2010
TENDL-2015
Hurst(2014)T1
Marganiec(2009)N1
Mughabghab(2006)R1
Mughabghab(2006)R1
Bondarenko(2005)T1
Bondarenko(2005)T1
Bao(2000)R1
Bao(2000)R1
Knopf(1987)T1
Bokhovko(1986)N1
Macklin(1983)T1
Beer(1981)T1
Beer(1981)T1
Joly(1981)N1
Block(1966)T1
Friesenhahn(1966)T1
Friesenhahn(1966)T1
Kononov(1965)T1
Booth(1958)N1
Pomerance(1952)T1
Cross section (mb)
Energy (MeV)

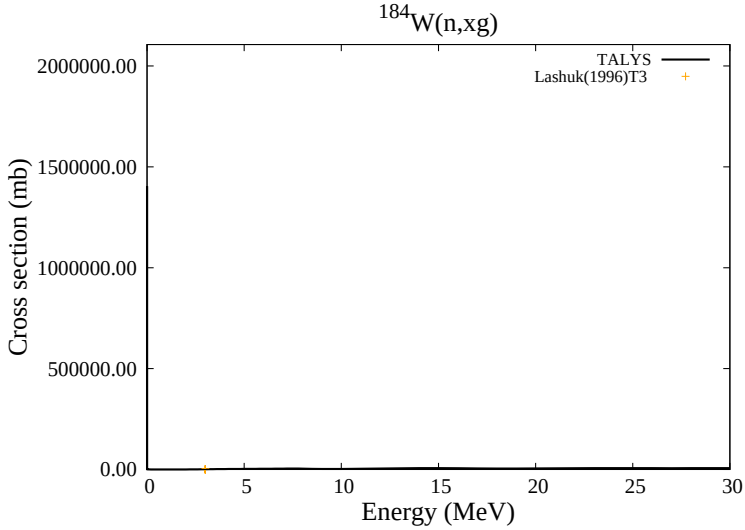

184W(n,g)185W
JEFF-3.2
JENDL-4.0
ENDF/B-VII.1
EAF-2010
TENDL-2015
Hurst(2014)T1
Marganiec(2009)N1
Mughabghab(2006)R1
Mughabghab(2006)R1
Bondarenko(2005)T1
Bondarenko(2005)T1
Bao(2000)R1
Bao(2000)R1
Knopf(1987)T1
Bokhovko(1986)N1
Macklin(1983)T1
Beer(1981)T1
Beer(1981)T1
Joly(1981)N1
Block(1966)T1
Friesenhahn(1966)T1
Friesenhahn(1966)T1
Kononov(1965)T1
Booth(1958)N1
Pomerance(1952)T1
Cross section (mb)
Energy (MeV)

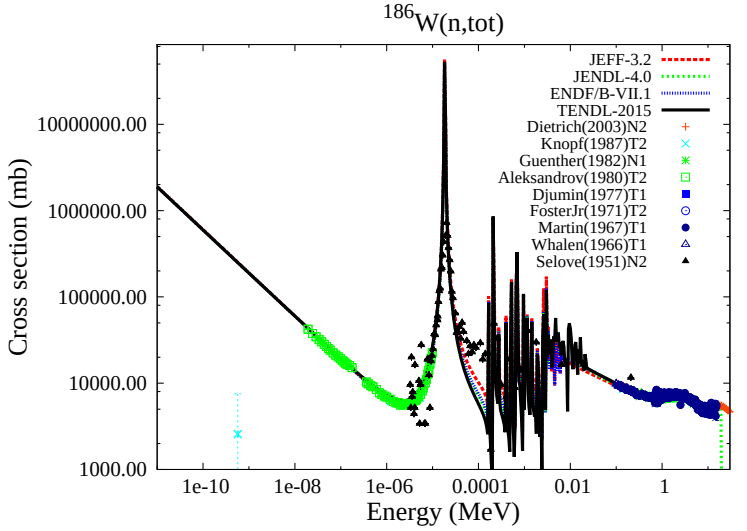

184W(n,g)185W
JEFF-3.2
JENDL-4.0
ENDF/B-VII.1
EAF-2010
TENDL-2015
Hurst(2014)T1
Marganiec(2009)N1
Mughabghab(2006)R1
Mughabghab(2006)R1
Bondarenko(2005)T1
Bondarenko(2005)T1
Bao(2000)R1
Bao(2000)R1
Knopf(1987)T1
Bokhovko(1986)N1
Macklin(1983)T1
Beer(1981)T1
Beer(1981)T1
Joly(1981)N1
Block(1966)T1
Friesenhahn(1966)T1
Friesenhahn(1966)T1
Kononov(1965)T1
Booth(1958)N1
Pomerance(1952)T1
Cross section (mb)
Energy (MeV)

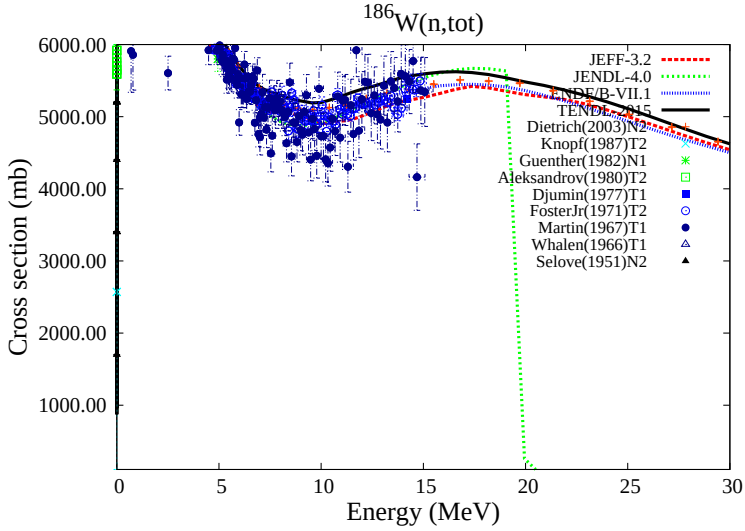

184W(n,g)185mW
ENDF/B-VII.1
EAF-2010
TENDL-2015
Hurst(2014)
Mughabghab(2006)R3
Mangal(1962)
Cross section (mb)
Energy (MeV)

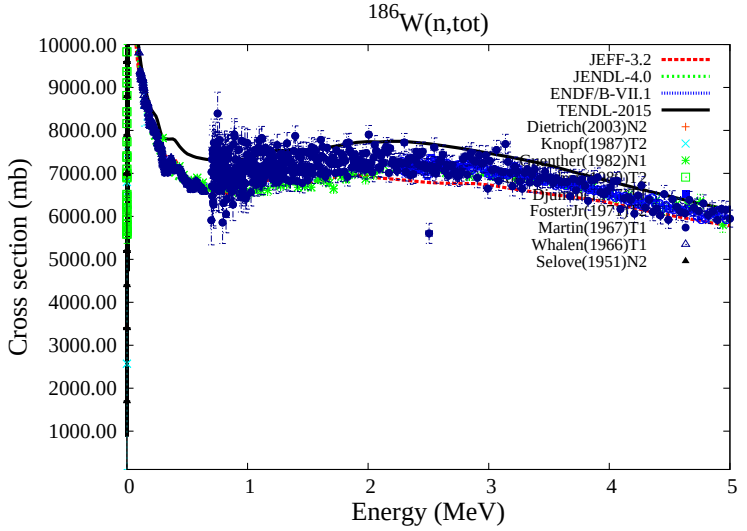

184W(n,p)184Ta
JEFF-3.2
JENDL-4.0
EAF-2010
TENDL-2015
Avrigeanu(2006)T1
Filatenkov(1999)R1
KongXiangzhongg(1997)T1
Grallert(1993)T1
Kasugai(1992)T1
Ikeda(1988)R1
Qaim(1975)N1
Mukherjee(1963)N2
Poularikas(1960)R2
Coleman(1959)R2
Cross section (mb)
Energy (MeV)

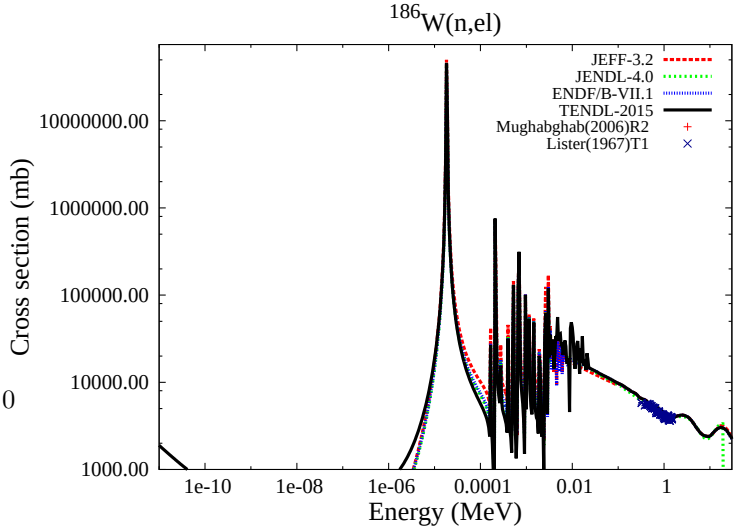

^{184}W(n,a)^{181}Hf
JEFF-3.2
JENDL-4.0
EAF-2010
TENDL-2015
Avrigeanu(2006)T1
Kasugai(1994)N1
Grallert(1993)T1
Kasugai(1992)T1
Qaim(1975)N1
Lindner(1959)T1
Cross section (mb)
Energy (MeV)

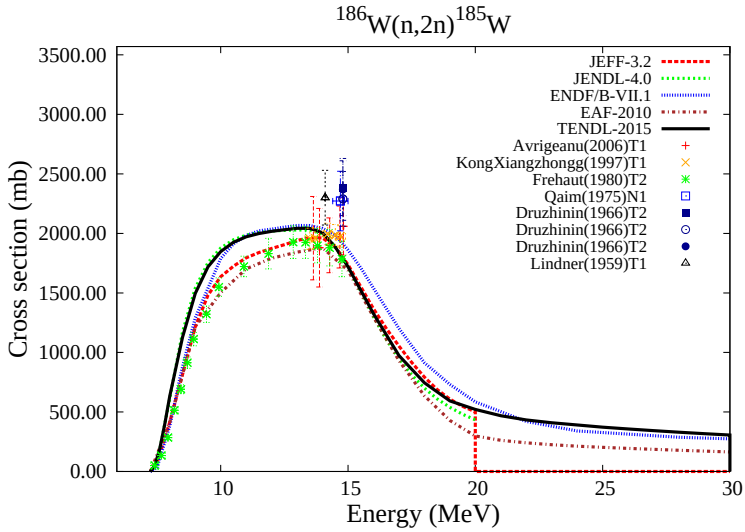

^{184}W(n,xg)
TALYS
Lashuk(1996)T3
Cross section (mb)
Energy (MeV)

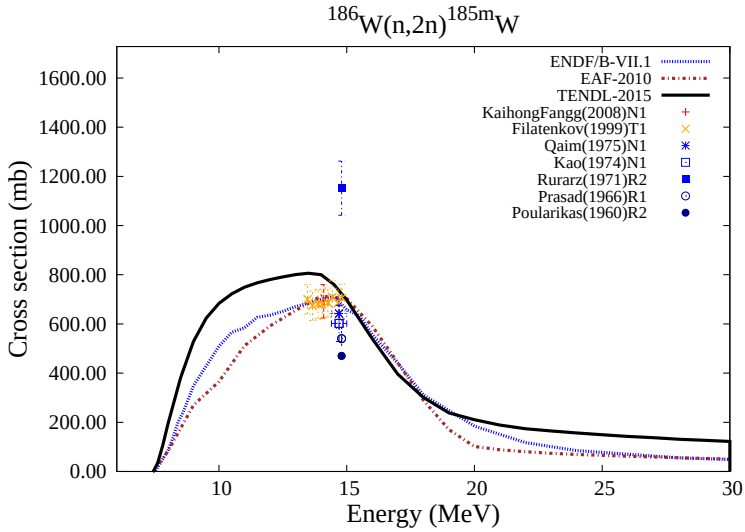

^{186}W(n,tot)
JEFF-3.2
JENDL-4.0
ENDF/B-VII.1
TENDL-2015
Dietrich(2003)N2
Knopf(1987)T2
Guenther(1982)N1
Aleksandrov(1980)T2
Djumin(1977)T1
FosterJr(1971)T2
Martin(1967)T1
Whalen(1966)T1
Selove(1951)N2
Cross section (mb)
Energy (MeV)

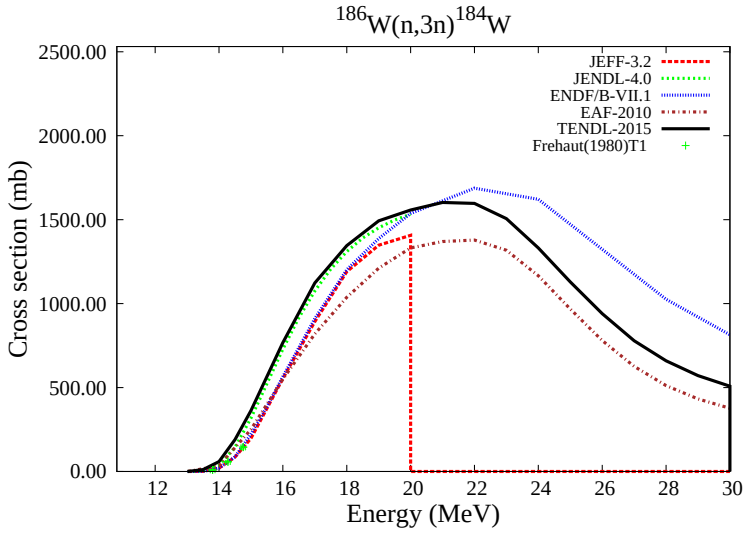

^{186}W(n,tot)
JEFF-3.2
JENDL-4.0
ENDF/B-VII.1
TENDL-2015
Dietrich(2003)N2
Knopf(1987)T2
Guenther(1982)N1
Aleksandrov(1980)T2
Djumin(1977)T1
FosterJr(1971)T2
Martin(1967)T1
Whalen(1966)T1
Selove(1951)N2
Cross section (mb)
Energy (MeV)

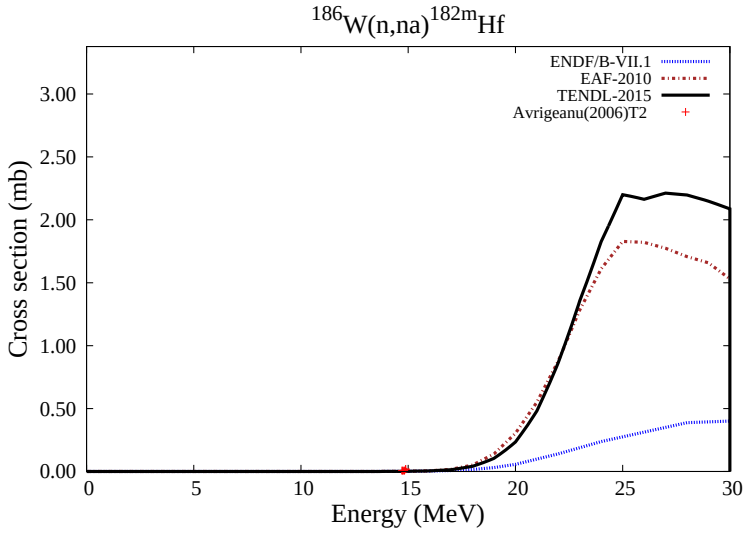

^{186}W(n,tot)
JEFF-3.2
JENDL-4.0
ENDF/B-VII.1
TENDL-2015
Dietrich(2003)N2
Knopf(1987)T2
Guenther(1982)N1
Martin(1967)T1
Whalen(1966)T1
Selove(1951)N2
Cross section (mb)
Energy (MeV)

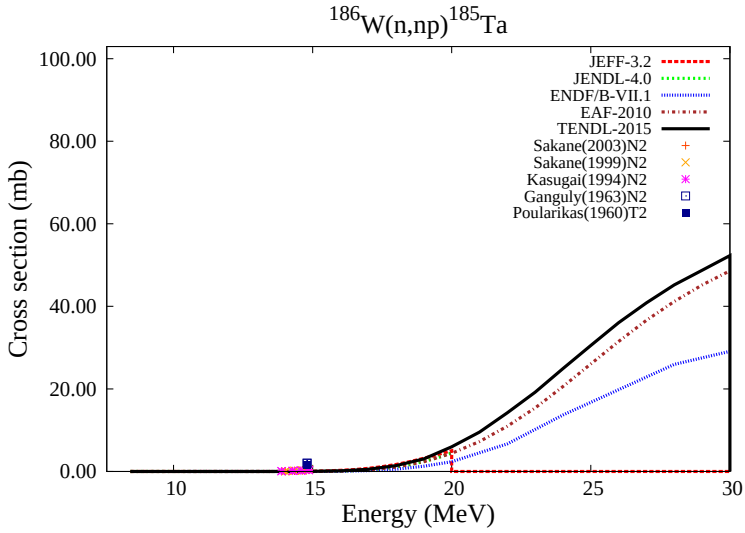

^{186}W(n,el)
JEFF-3.2
JENDL-4.0
ENDF/B-VII.1
TENDL-2015
Mughabghab(2006)R2
Lister(1967)T1
Cross section (mb)
Energy (MeV)

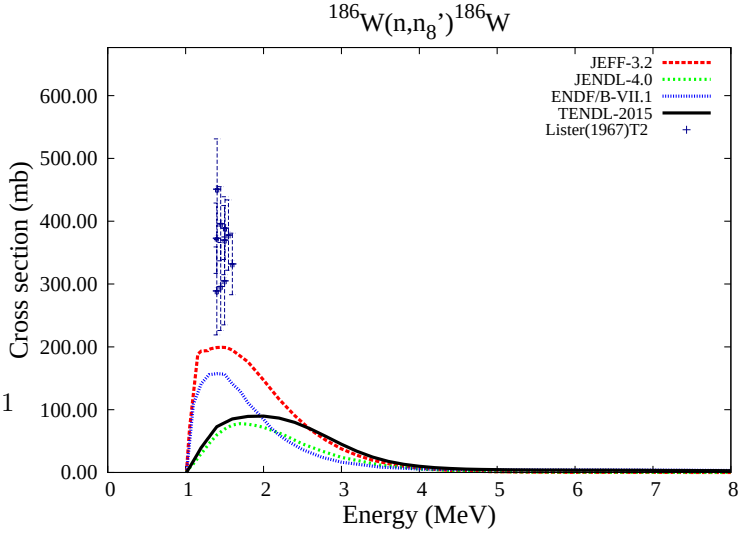

186W(n,2n)185W
JEFF-3.2
JENDL-4.0
ENDF/B-VII.1
EAF-2010
TENDL-2015
Avrigeanu(2006)T1
KongXiangzhongg(1997)T1
Frehaut(1980)T2
Qaim(1975)N1
Druzhinin(1966)T2
Druzhinin(1966)T2
Druzhinin(1966)T2
Lindner(1959)T1
Cross section (mb)
Energy (MeV)

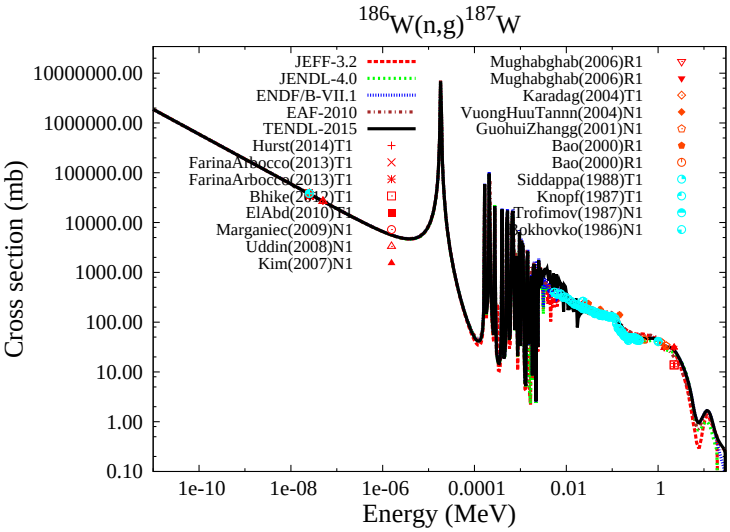

186W(n,2n)185mW
ENDF/B-VII.1
EAF-2010
TENDL-2015
KaihongFangg(2008)N1
Filatenkov(1999)T1
Qaim(1975)N1
Kao(1974)N1
Rurarz(1971)R2
Prasad(1966)R1
Poularikas(1960)R2
Cross section (mb)
Energy (MeV)

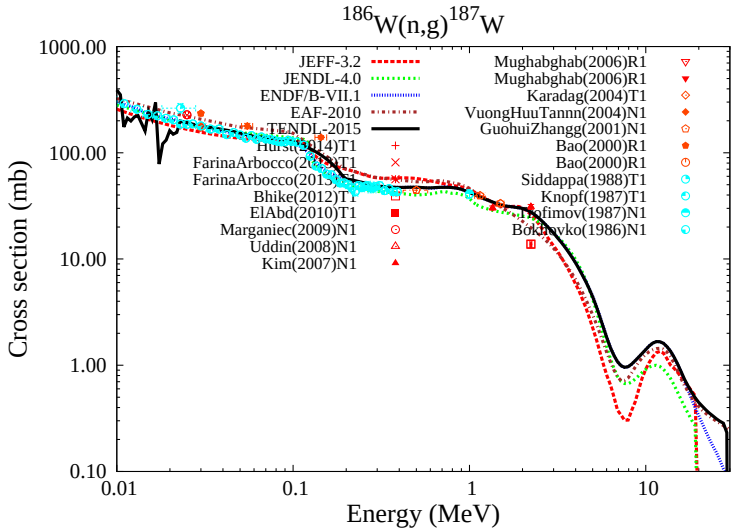

186W(n,3n)184W
JEFF-3.2
JENDL-4.0
ENDF/B-VII.1
EAF-2010
TENDL-2015
Frehaut(1980)T1
Cross section (mb)
Energy (MeV)

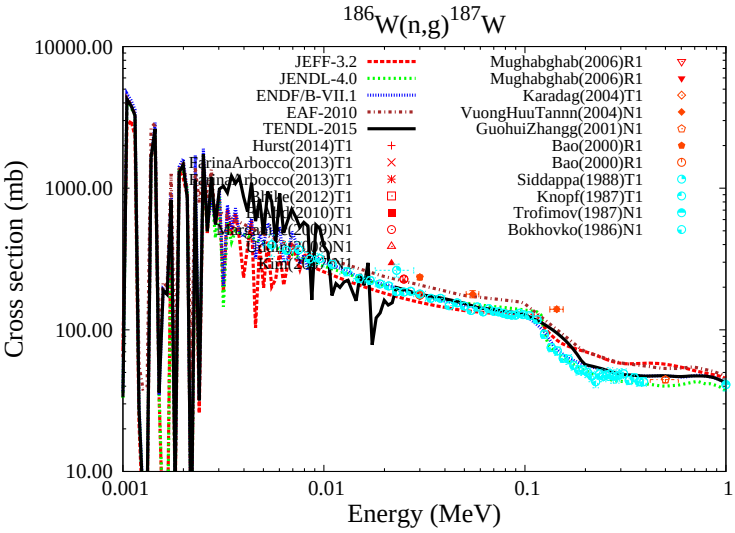

186W(n,na)182mHf
ENDF/B-VII.1
EAF-2010
TENDL-2015
Avrigeanu(2006)T2
Cross section (mb)
Energy (MeV)

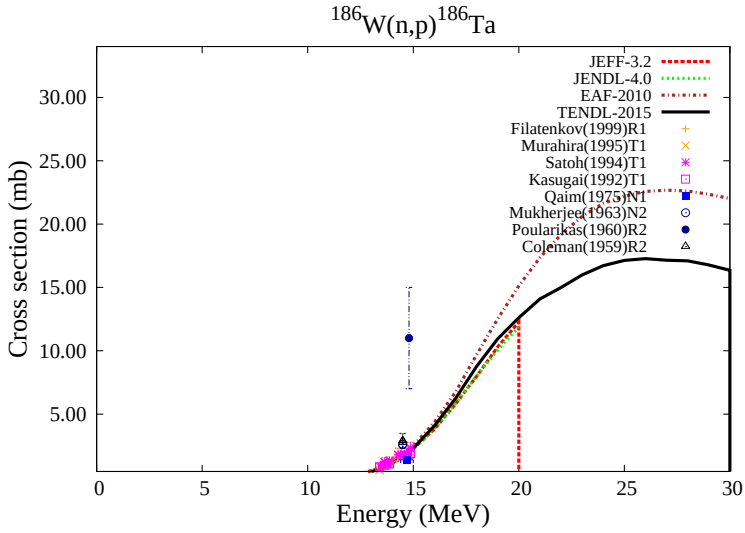

186W(n,np)185Ta
JEFF-3.2
JENDL-4.0
ENDF/B-VII.1
EAF-2010
TENDL-2015
Sakane(2003)N2
Sakane(1999)N2
Kasugai(1994)N2
Ganguly(1963)N2
Poularikas(1960)T2
Cross section (mb)
Energy (MeV)

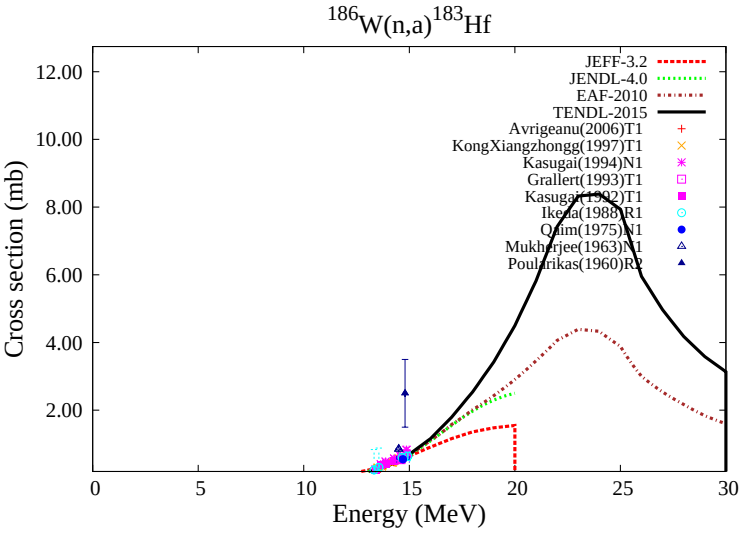

186W(n,n8')186W
JEFF-3.2
JENDL-4.0
ENDF/B-VII.1
TENDL-2015
Lister(1967)T2
Cross section (mb)
Energy (MeV)

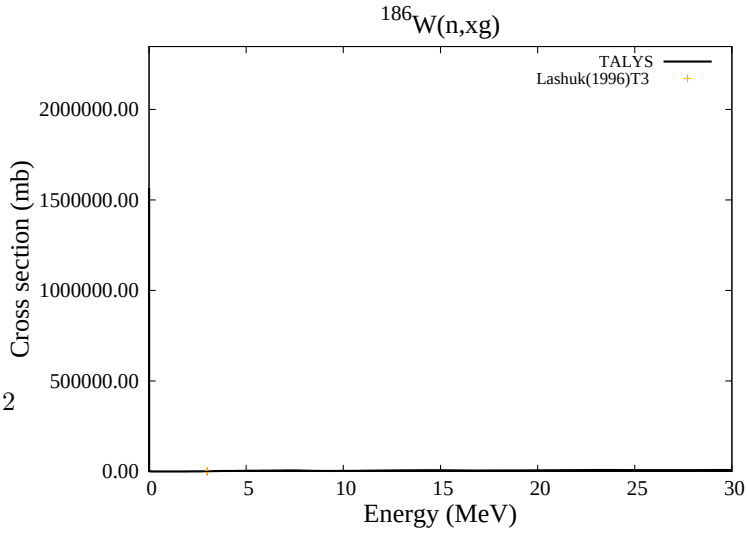

^{186}W(n,g)^{187}W
JEFF-3.2
JENDL-4.0
ENDF/B-VII.1
EAF-2010
TENDL-2015
Hurst(2014)T1
FarinaArbocco(2013)T1
FarinaArbocco(2013)T1
Bhike(2012)T1
ElAbd(2010)T1
Marganiec(2009)N1
Uddin(2008)N1
Kim(2007)N1
Mughabghab(2006)R1
Mughabghab(2006)R1
Karadag(2004)T1
VuongHuuTannn(2004)N1
GuohuiZhangg(2001)N1
Bao(2000)R1
Bao(2000)R1
Siddappa(1988)T1
Knopf(1987)T1
Trofimov(1987)N1
Bokhovko(1986)N1
Cross section (mb)
Energy (MeV)


^{186}W(n,g)^{187}W
JEFF-3.2
JENDL-4.0
ENDF/B-VII.1
EAF-2010
TENDL-2015
Hurst(2014)T1
FarinaArbocco(2013)T1
FarinaArbocco(2013)T1
Bhike(2012)T1
ElAbd(2010)T1
Marganiec(2009)N1
Uddin(2008)N1
Kim(2007)N1
Mughabghab(2006)R1
Mughabghab(2006)R1
Karadag(2004)T1
VuongHuuTannn(2004)N1
GuohuiZhangg(2001)N1
Bao(2000)R1
Bao(2000)R1
Siddappa(1988)T1
Knopf(1987)T1
Trofimov(1987)N1
Bokhovko(1986)N1
Cross section (mb)
Energy (MeV)


^{186}W(n,g)^{187}W
JEFF-3.2
JENDL-4.0
ENDF/B-VII.1
EAF-2010
TENDL-2015
Hurst(2014)T1
FarinaArbocco(2013)T1
FarinaArbocco(2013)T1
Bhike(2012)T1
ElAbd(2010)T1
Marganiec(2009)N1
Uddin(2008)N1
Kim(2007)N1
Mughabghab(2006)R1
Mughabghab(2006)R1
Karadag(2004)T1
VuongHuuTannn(2004)N1
GuohuiZhangg(2001)N1
Bao(2000)R1
Bao(2000)R1
Siddappa(1988)T1
Knopf(1987)T1
Trofimov(1987)N1
Bokhovko(1986)N1
Cross section (mb)
Energy (MeV)


^{186}W(n,p)^{186}Ta
JEFF-3.2
JENDL-4.0
EAF-2010
TENDL-2015
Filatenkov(1999)R1
Murahira(1995)T1
Satoh(1994)T1
Kasugai(1992)T1
Qaim(1975)N1
Mukherjee(1963)N2
Poularikas(1960)R2
Coleman(1959)R2
Cross section (mb)
Energy (MeV)


^{186}W(n,a)^{183}Hf
JEFF-3.2
JENDL-4.0
EAF-2010
TENDL-2015
Avrigeanu(2006)T1
KongXiangzhongg(1997)T1
Kasugai(1994)N1
Grallert(1993)T1
Kasugai(1992)T1
Ikeda(1988)R1
Qaim(1975)N1
Mukherjee(1963)N1
Poularikas(1960)R2
Cross section (mb)
Energy (MeV)


^{186}W(n,xg)
TALYS
Lashuk(1996)T3
Cross section (mb)
Energy (MeV)