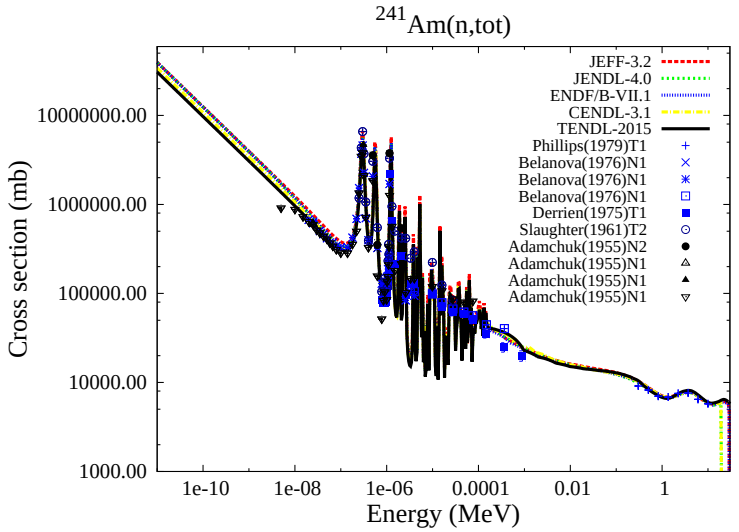
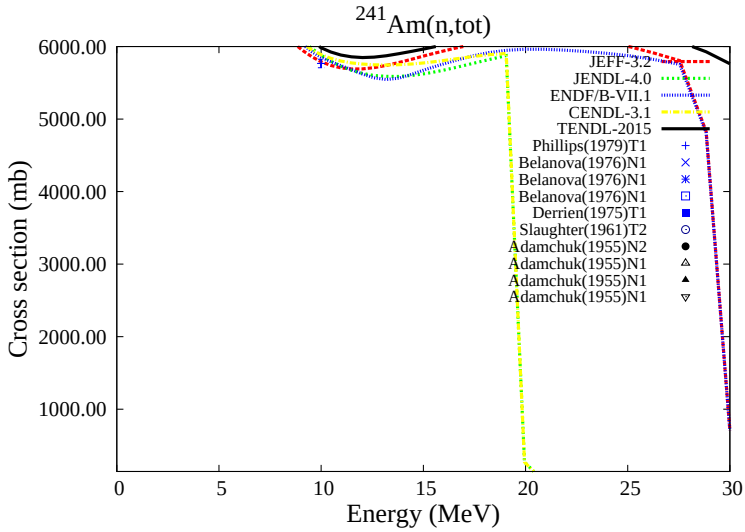
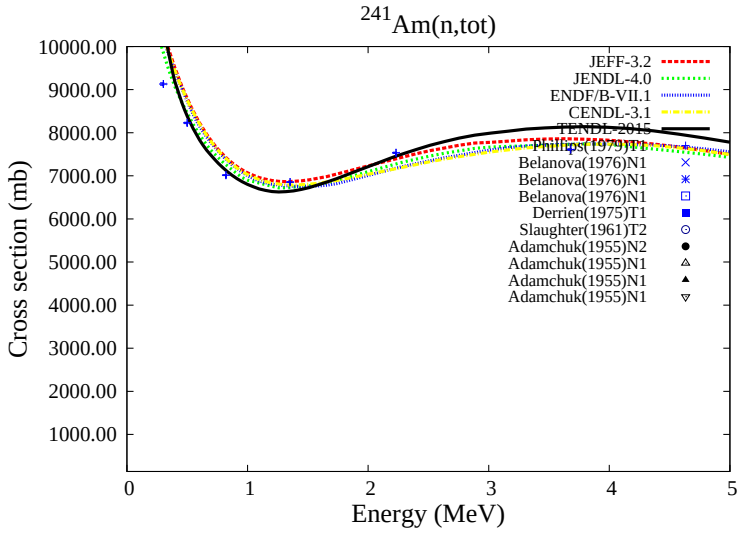
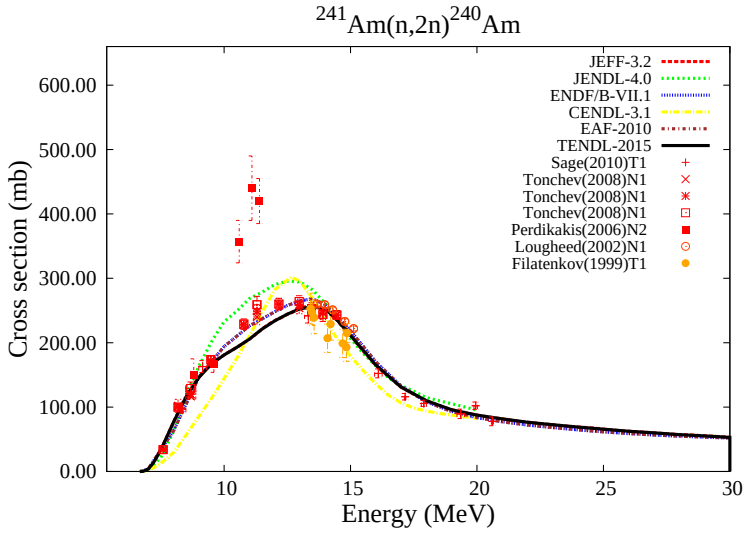
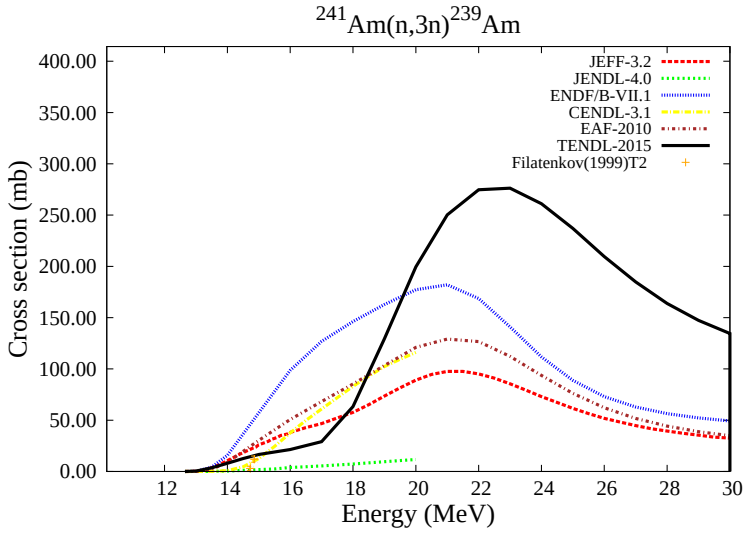

241Am(n,tot)
Cross section (mb)
Energy (MeV)
JEFF-3.2
JENDL-4.0
ENDF/B-VII.1
CENDL-3.1
TENDL-2015
Phillips(1979)T1
Belanova(1976)N1
Belanova(1976)N1
Belanova(1976)N1
Derrien(1975)T1
Slaughter(1961)T2
Adamchuk(1955)N2
Adamchuk(1955)N1
Adamchuk(1955)N1
Adamchuk(1955)N1


241Am(n,tot)
Cross section (mb)
Energy (MeV)
JEFF-3.2
JENDL-4.0
ENDF/B-VII.1
CENDL-3.1
TENDL-2015
Phillips(1979)T1
Belanova(1976)N1
Belanova(1976)N1
Belanova(1976)N1
Derrien(1975)T1
Slaughter(1961)T2
Adamchuk(1955)N2
Adamchuk(1955)N1
Adamchuk(1955)N1
Adamchuk(1955)N1


241Am(n,tot)
Cross section (mb)
Energy (MeV)
JEFF-3.2
JENDL-4.0
ENDF/B-VII.1
CENDL-3.1
TENDL-2015
Phillips(1979)T1
Belanova(1976)N1
Belanova(1976)N1
Belanova(1976)N1
Derrien(1975)T1
Slaughter(1961)T2
Adamchuk(1955)N2
Adamchuk(1955)N1
Adamchuk(1955)N1
Adamchuk(1955)N1


241Am(n,2n)240Am
Cross section (mb)
Energy (MeV)
JEFF-3.2
JENDL-4.0
ENDF/B-VII.1
CENDL-3.1
EAF-2010
TENDL-2015
Sage(2010)T1
Tonchev(2008)N1
Tonchev(2008)N1
Tonchev(2008)N1
Perdikakis(2006)N2
Lougheed(2002)N1
Filatenkov(1999)T1


241Am(n,3n)239Am
Cross section (mb)
Energy (MeV)
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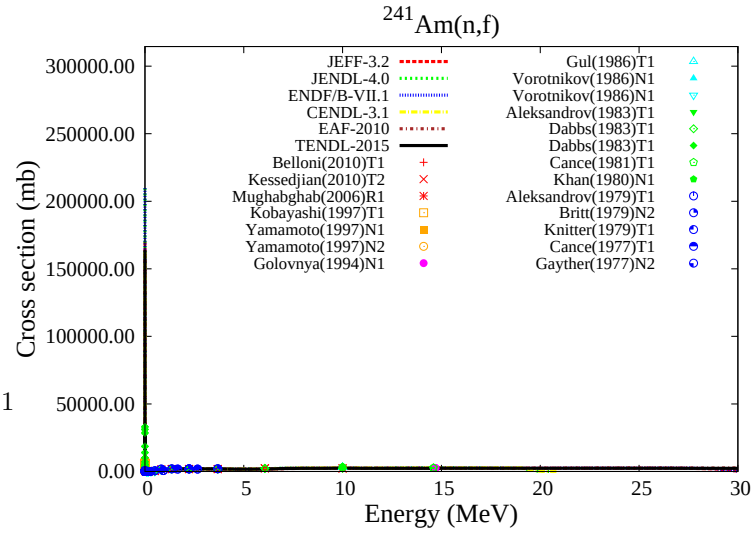
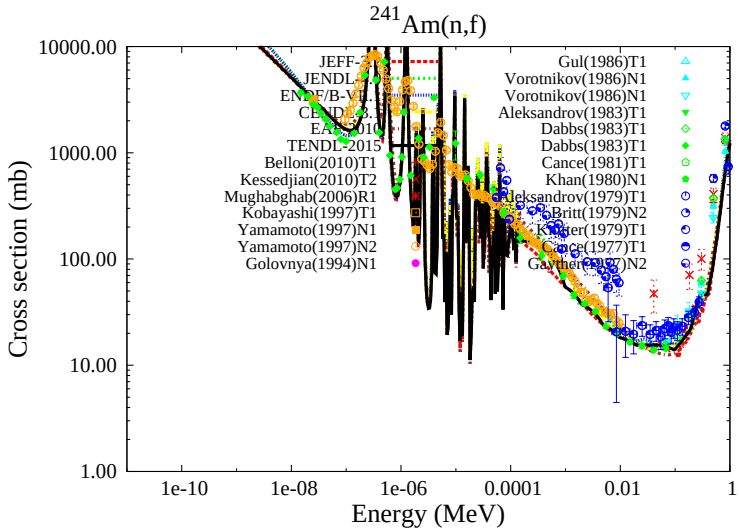
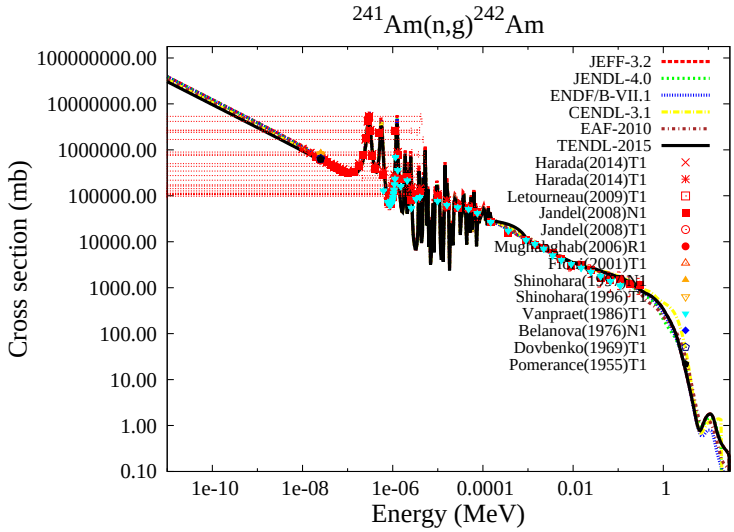
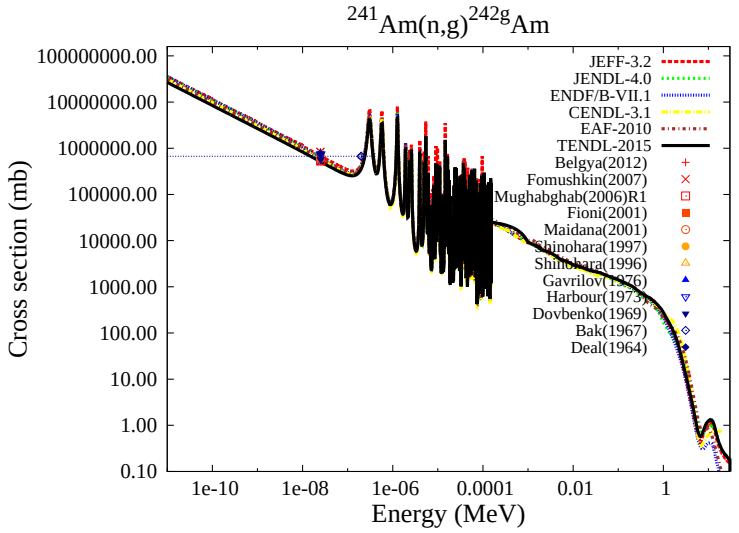
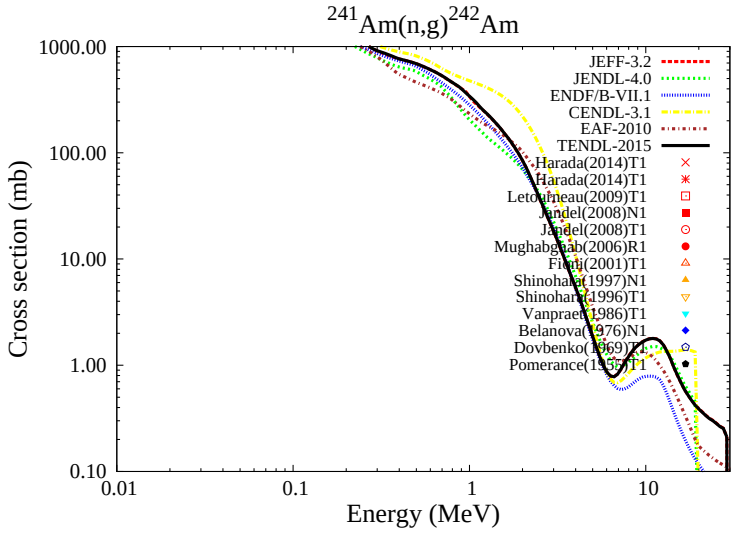
JENDL-4.0
ENDF/B-VII.1
CENDL-3.1
EAF-2010
TENDL-2015
Filatenkov(1999)T2

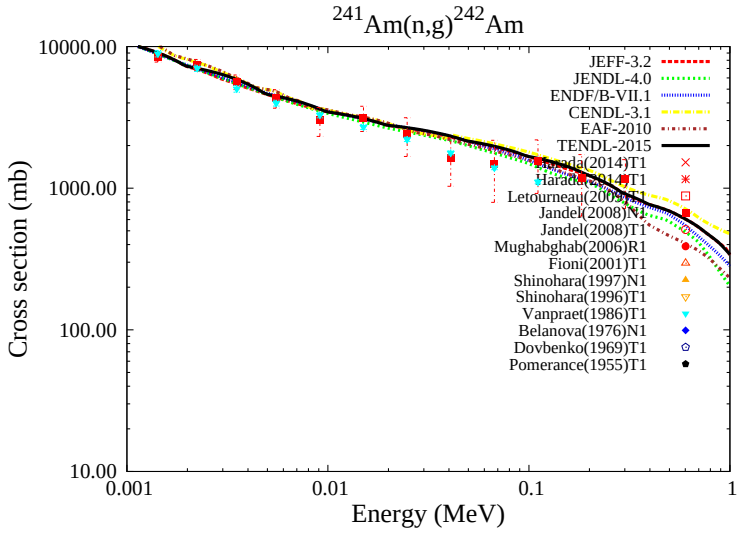

241Am(n,f)
Cross section (mb)
Energy (MeV)
JEFF-3.2
JENDL-4.0
ENDF/B-VII.1
CENDL-3.1
EAF-2010
TENDL-2015
Belloni(2010)T1
Kessedjian(2010)T2
Mughabghab(2006)R1
Kobayashi(1997)T1
Yamamoto(1997)N1
Yamamoto(1997)N2
Golovnya(1994)N1
Gul(1986)T1
Vorotnikov(1986)N1
Vorotnikov(1986)N1
Aleksandrov(1983)T1
Dabbs(1983)T1
Dabbs(1983)T1
Cance(1981)T1
Khan(1980)N1
Aleksandrov(1979)T1
Britt(1979)N2
Knitter(1979)T1
Cance(1977)T1
Gayther(1977)N2

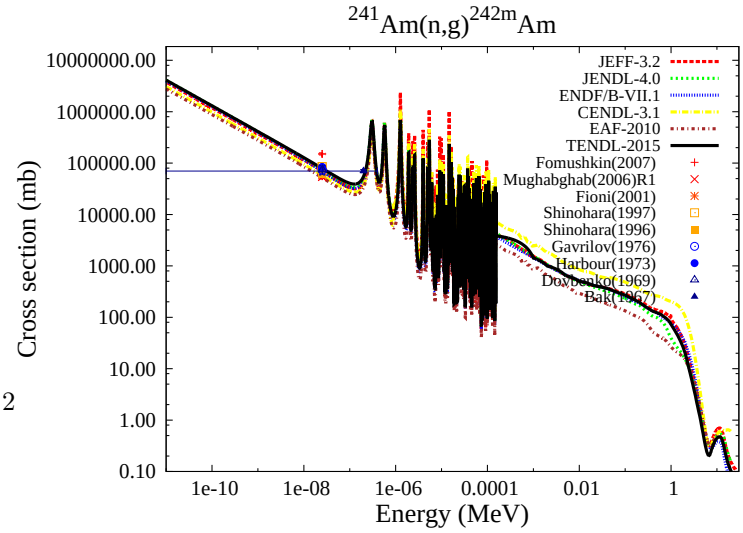

241Am(n,f)
Cross section (mb)
Energy (MeV)
JEFF-3.2
JENDL-4.0
ENDF/B-VII.1
CENDL-3.1
EAF-2010
TENDL-2015
Belloni(2010)T1
Kessedjian(2010)T2
Mughabghab(2006)R1
Kobayashi(1997)T1
Yamamoto(1997)N1
Yamamoto(1997)N2
Golovnya(1994)N1
Gul(1986)T1
Vorotnikov(1986)N1
Vorotnikov(1986)N1
Aleksandrov(1983)T1
Dabbs(1983)T1
Dabbs(1983)T1
Cance(1981)T1
Khan(1980)N1
Aleksandrov(1979)T1
Britt(1979)N2
Kuger(1979)T1
Cance(1977)T1
Gayther(1977)N2

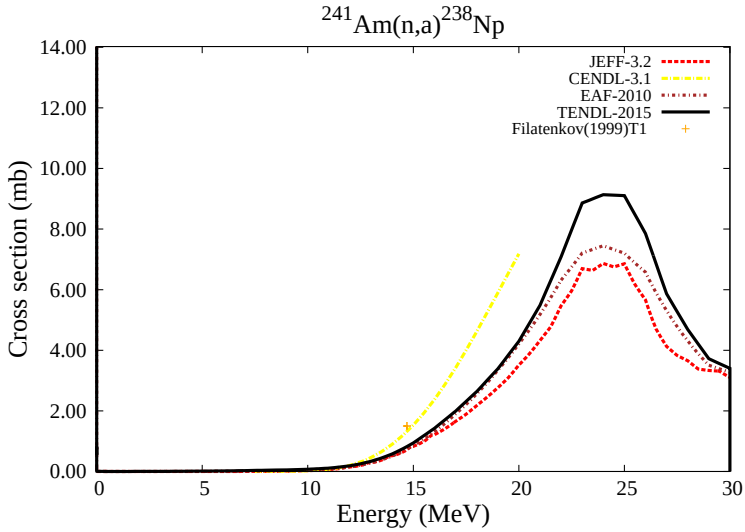

241Am(n,g)242Am
Cross section (mb)
Energy (MeV)
JEFF-3.2
JENDL-4.0
ENDF/B-VII.1
CENDL-3.1
EAF-2010
TENDL-2015
Harada(2014)T1
Harada(2014)T1
Letourneau(2009)T1
Jandel(2008)N1
Jandel(2008)T1
Mughabghab(2006)R1
Fioni(2001)T1
Shinohara(1997)N1
Shinohara(1996)T1
Vanpraet(1986)T1
Belanova(1976)N1
Dovbenko(1969)T1
Pomerance(1955)T1

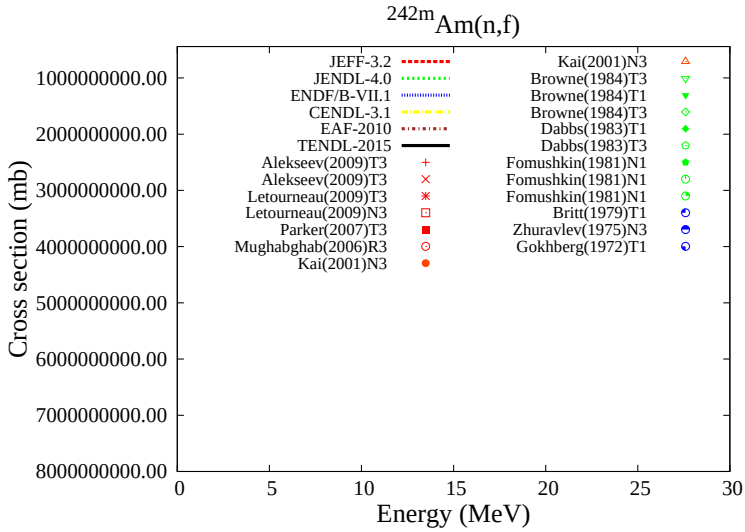

241Am(n,g)242gAm
Cross section (mb)
Energy (MeV)
JEFF-3.2
JENDL-4.0
ENDF/B-VII.1
CENDL-3.1
EAF-2010
TENDL-2015
Belgya(2012)
Fomushkin(2007)
Mughabghab(2006)R1
Fioni(2001)
Maidana(2001)
Shinohara(1997)
Shinohara(1996)
Gavrilov(1976)
Harbour(1973)
Dovbenko(1969)
Bak(1967)
Deal(1964)

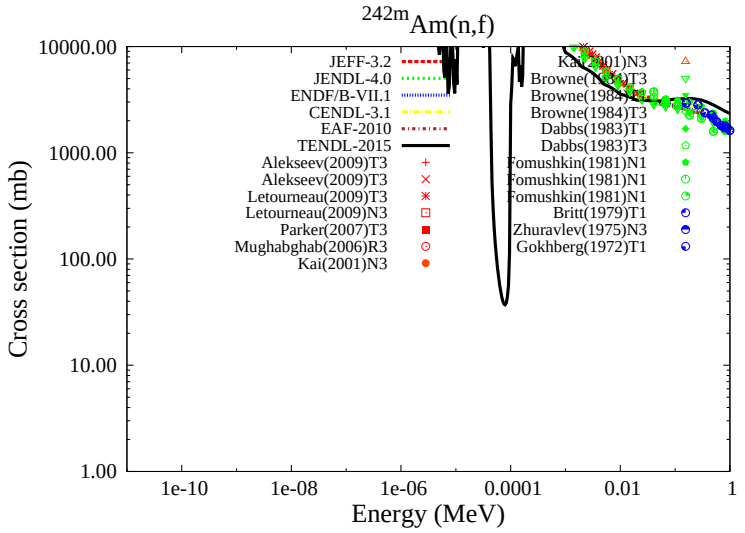

241Am(n,g)242Am
Cross section (mb)
Energy (MeV)
JEFF-3.2
JENDL-4.0
ENDF/B-VII.1
CENDL-3.1
EAF-2010
TENDL-2015
Harada(2014)T1
Harada(2014)T1
Letourneau(2009)T1
Jandel(2008)N1
Jandel(2008)T1
Mughabghab(2006)R1
Fioni(2001)T1
Shinohara(1997)N1
Shinohara(1996)T1
Vanpraet(1986)T1
Belanova(1976)N1
Dovbenko(1969)T1
Pomerance(1955)T1

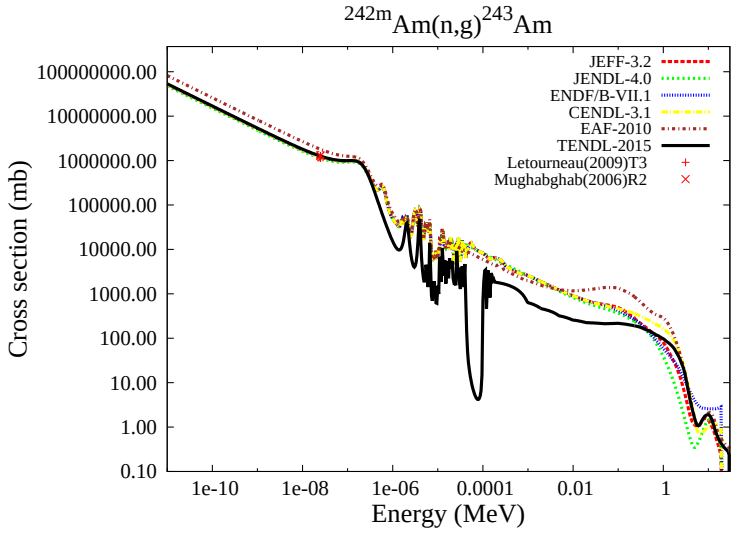

241Am(n,g)242Am
Cross section (mb)
Energy (MeV)
JEFF-3.2
JENDL-4.0
ENDF/B-VII.1
CENDL-3.1
EAF-2010
TENDL-2015
Harada(2014)T1
Harada(2014)T1
Letourneau(2009)T1
Jandel(2008)N1
Jandel(2008)T1
Mughabghab(2006)R1
Fioni(2001)T1
Shinohara(1997)N1
Shinohara(1996)T1
Vanpraet(1986)T1
Belanova(1976)N1
Dovbenko(1969)T1
Pomerance(1955)T1

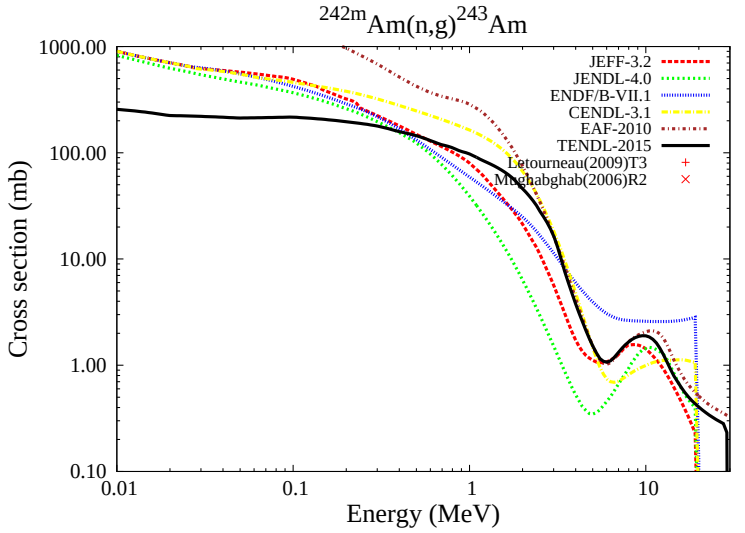

241Am(n,g)242mAm
Cross section (mb)
Energy (MeV)
JEFF-3.2
JENDL-4.0
ENDF/B-VII.1
CENDL-3.1
EAF-2010
TENDL-2015
Fomushkin(2007)
Mughabghab(2006)R1
Fioni(2001)
Shinohara(1997)
Shinohara(1996)
Gavrilov(1976)
Harbour(1973)
Dovbenko(1969)
Bak(1967)

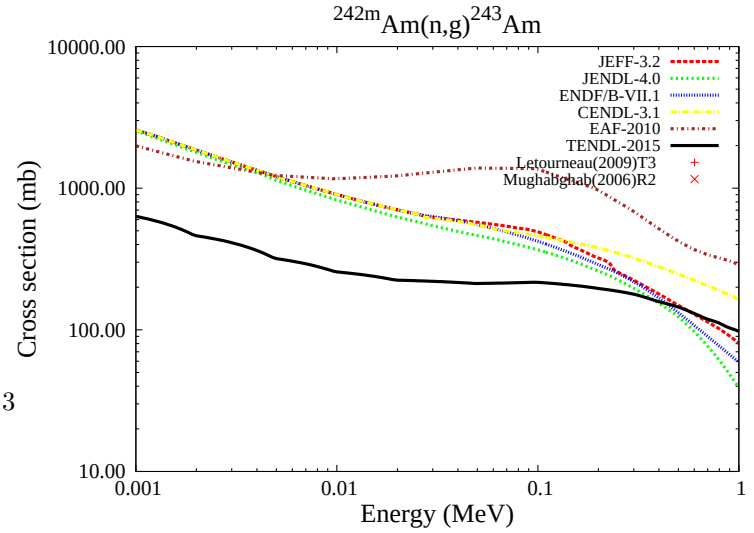

^{241}Am(n,a)^{238}Np
Cross section (mb)
Energy (MeV)
JEFF-3.2
CENDL-3.1
EAF-2010
TENDL-2015
Filatenkov(1999)T1

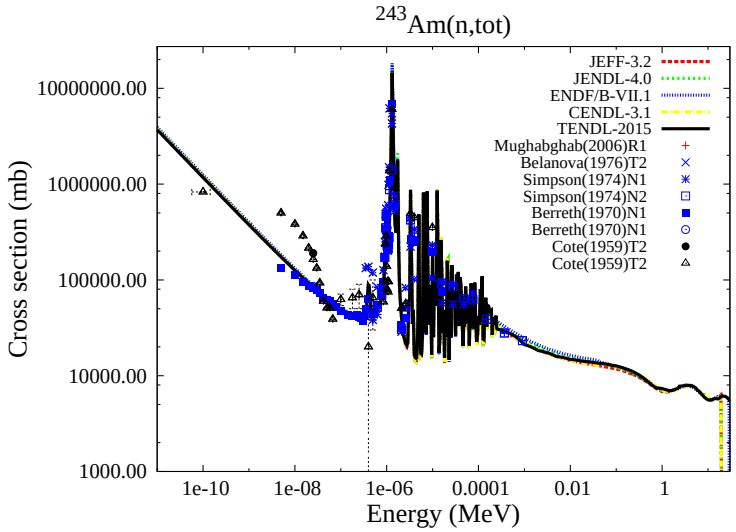

^{242m}Am(n,f)
Cross section (mb)
Energy (MeV)
JEFF-3.2
JENDL-4.0
ENDF/B-VII.1
CENDL-3.1
EAF-2010
TENDL-2015
Alekseev(2009)T3
Alekseev(2009)T3
Letourneau(2009)T3
Letourneau(2009)N3
Parker(2007)T3
Mughabghab(2006)R3
Kai(2001)N3
Kai(2001)N3
Browne(1984)T3
Browne(1984)T1
Browne(1984)T3
Dabbs(1983)T1
Dabbs(1983)T3
Fomushkin(1981)N1
Fomushkin(1981)N1
Fomushkin(1981)N1
Britt(1979)T1
Zhuravlev(1975)N3
Gokhberg(1972)T1

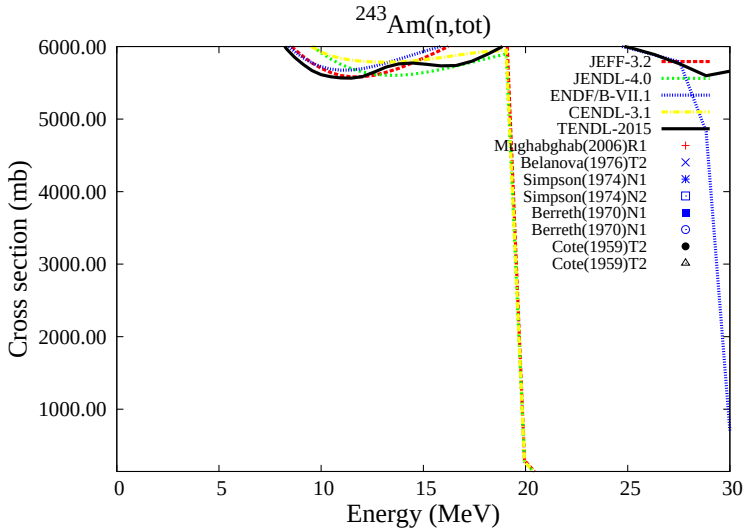

^{242m}Am(n,f)
Cross section (mb)
Energy (MeV)
JEFF-3.2
JENDL-4.0
ENDF/B-VII.1
CENDL-3.1
EAF-2010
TENDL-2015
Alekseev(2009)T3
Alekseev(2009)T3
Letourneau(2009)T3
Letourneau(2009)N3
Parker(2007)T3
Mughabghab(2006)R3
Kai(2001)N3
Kai(2001)N3
Browne(1984)T3
Browne(1984)T1
Browne(1984)T3
Dabbs(1983)T1
Dabbs(1983)T3
Fomushkin(1981)N1
Fomushkin(1981)N1
Fomushkin(1981)N1
Britt(1979)T1
Zhuravlev(1975)N3
Gokhberg(1972)T1

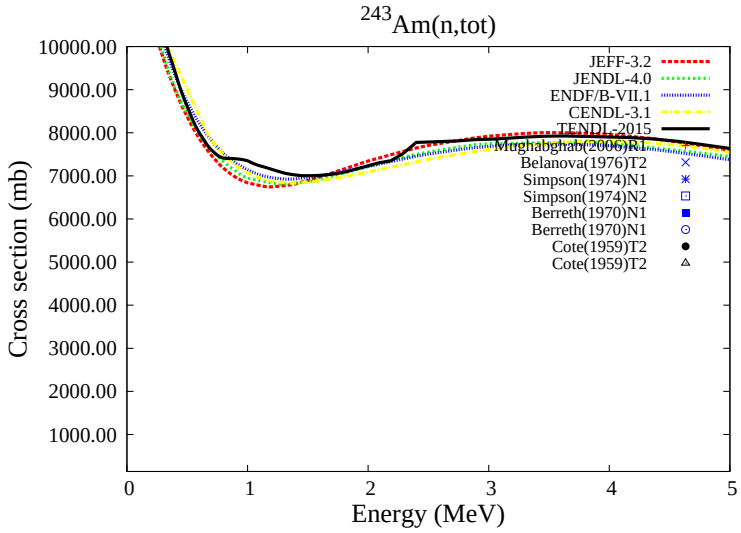

^{242m}Am(n,g)^{243}Am
Cross section (mb)
Energy (MeV)
JEFF-3.2
JENDL-4.0
ENDF/B-VII.1
CENDL-3.1
EAF-2010
TENDL-2015
Letourneau(2009)T3
Mughabghab(2006)R2


^{242m}Am(n,g)^{243}Am
Cross section (mb)
Energy (MeV)
JEFF-3.2
JENDL-4.0
ENDF/B-VII.1
CENDL-3.1
EAF-2010
TENDL-2015
Letourneau(2009)T3
Mughabghab(2006)R2


^{242m}Am(n,g)^{243}Am
Cross section (mb)
Energy (MeV)
JEFF-3.2
JENDL-4.0
ENDF/B-VII.1
CENDL-3.1
EAF-2010
TENDL-2015
Letourneau(2009)T3
Mughabghab(2006)R2


243Am(n,tot)
Cross section (mb)
Energy (MeV)
JEFF-3.2
JENDL-4.0
ENDF/B-VII.1
CENDL-3.1
TENDL-2015
Mughabghab(2006)R1
Belanova(1976)T2
Simpson(1974)N1
Simpson(1974)N2
Berreth(1970)N1
Berreth(1970)N1
Cote(1959)T2
Cote(1959)T2


243Am(n,tot)
Cross section (mb)
Energy (MeV)
JEFF-3.2
JENDL-4.0
ENDF/B-VII.1
CENDL-3.1
TENDL-2015
Mughabghab(2006)R1
Belanova(1976)T2
Simpson(1974)N1
Simpson(1974)N2
Berreth(1970)N1
Berreth(1970)N1
Cote(1959)T2
Cote(1959)T2


243Am(n,tot)
Cross section (mb)
Energy (MeV)
JEFF-3.2
JENDL-4.0
ENDF/B-VII.1
CENDL-3.1
TENDL-2015
Mughabghab(2006)R1
Belanova(1976)T2
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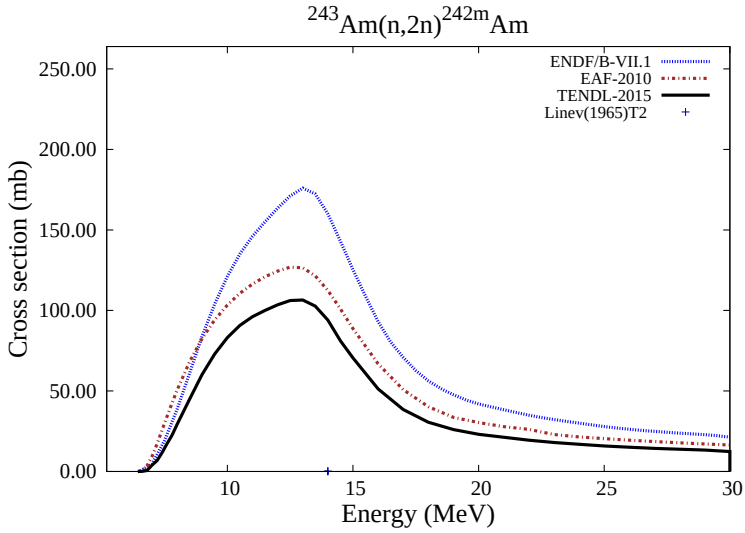
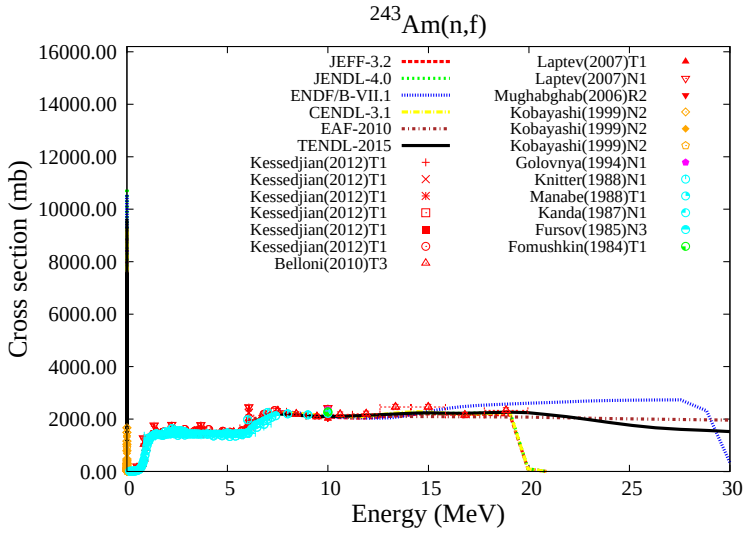
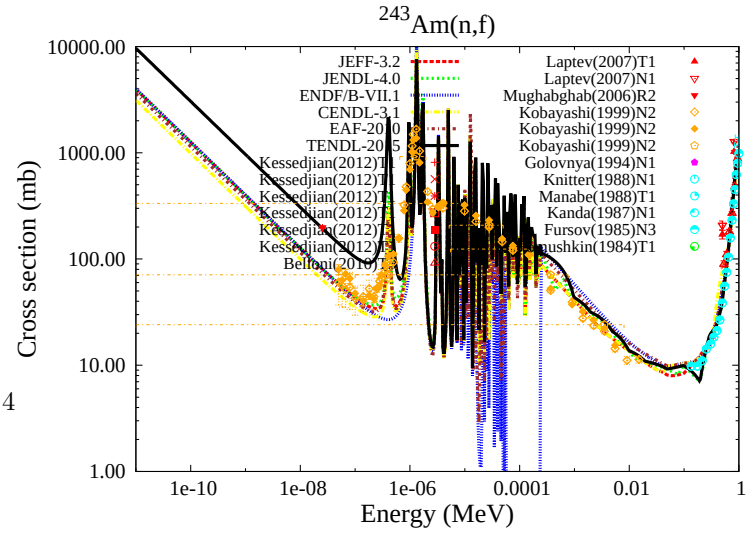
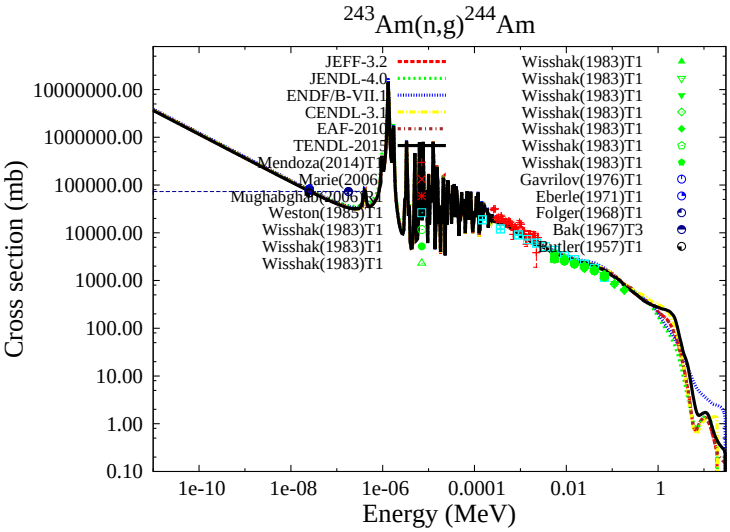
Simpson(1974)N2
Berreth(1970)N1
Berreth(1970)N1
Cote(1959)T2
Cote(1959)T2


243Am(n,2n)242mAm
Cross section (mb)
Energy (MeV)
ENDF/B-VII.1
EAF-2010
TENDL-2015
Linev(1965)T2


243Am(n,f)
Cross section (mb)
Energy (MeV)
JEFF-3.2
JENDL-4.0
ENDF/B-VII.1
CENDL-3.1
EAF-2010
TENDL-2015
Kessedjian(2012)T1
Kessedjian(2012)T1
Kessedjian(2012)T1
Kessedjian(2012)T1
Kessedjian(2012)T1
Kessedjian(2012)T1
Belloni(2010)T3
Laptev(2007)T1
Laptev(2007)N1
Mughabghab(2006)R2
Kobayashi(1999)N2
Kobayashi(1999)N2
Kobayashi(1999)N2
Golovnya(1994)N1
Knitter(1988)N1
Manabe(1988)T1
Kanda(1987)N1
Fursov(1985)N3
Fomushkin(1984)T1


243Am(n,f)
Cross section (mb)
Energy (MeV)
JEFF-3.2
JENDL-4.0
ENDF/B-VII.1
CENDL-3.1
EAF-2010
TENDL-2015
Laptev(2007)T1
Laptev(2007)N1
Mughabghab(2006)R2
Kobayashi(1999)N2
Kobayashi(1999)N2
Kobayashi(1999)N2
Golovnya(1994)N1
Knitter(1988)N1
Manabe(1988)T1
Kanda(1987)N1
Fursov(1985)N3


^{243}Am(n,g)^{244}Am
JEFF-3.2
JENDL-4.0
ENDF/B-VII.1
CENDL-3.1
EAF-2010
TENDL-2015
Mendoza(2014)T1
Marie(2006)
Mughabghab(2006)R1
Weston(1985)T1
Wisshak(1983)T1
Wisshak(1983)T1
Wisshak(1983)T1
Wisshak(1983)T1
Wisshak(1983)T1
Wisshak(1983)T1
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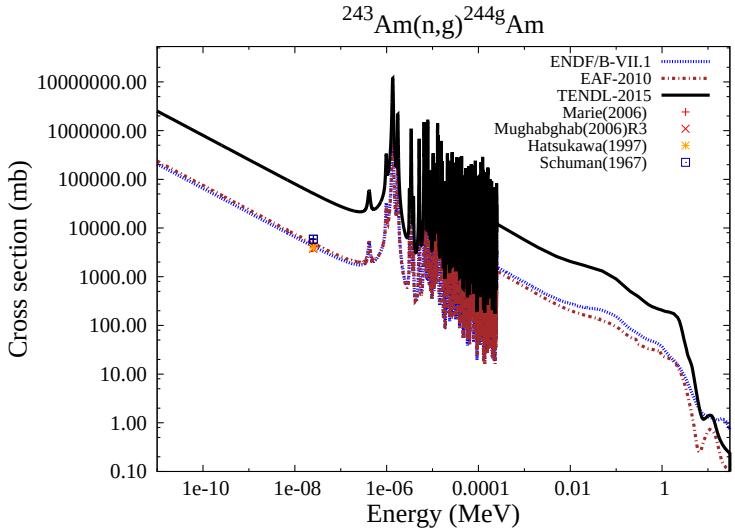
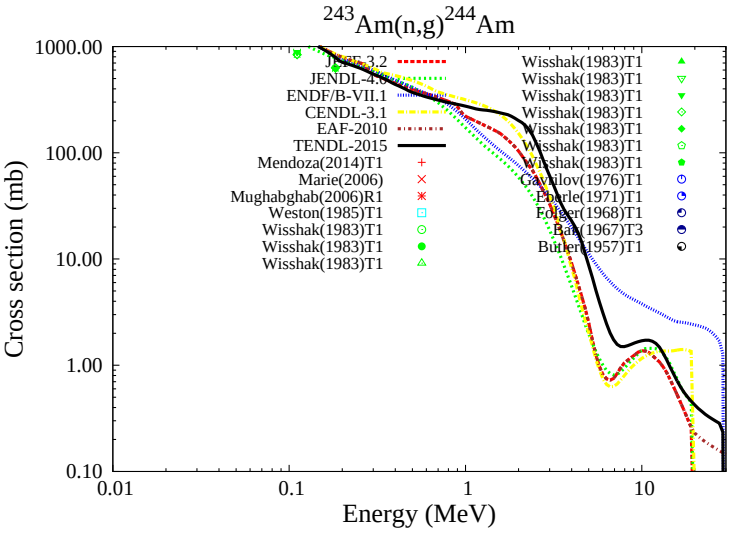
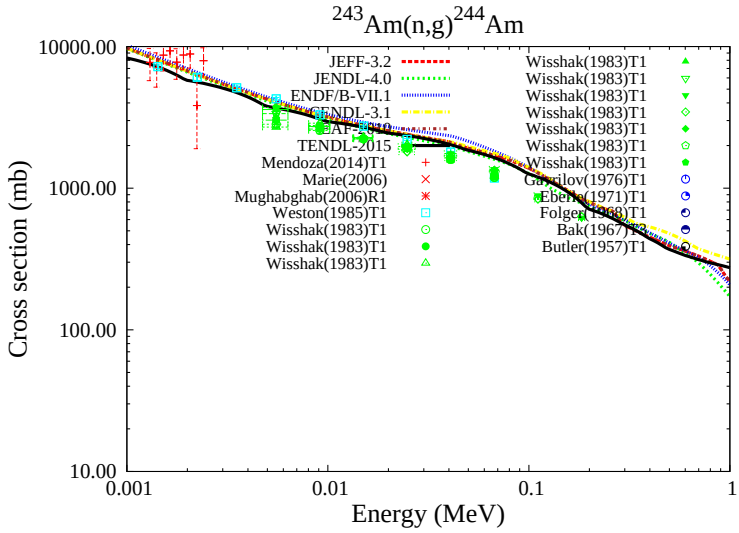
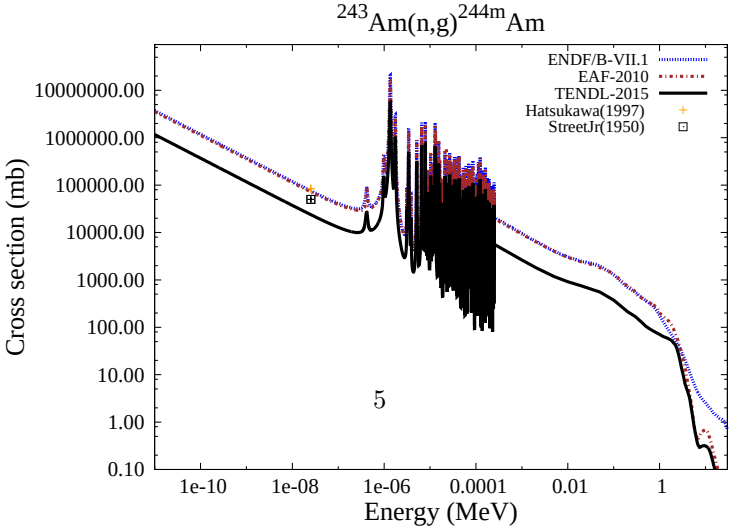
Wisshak(1983)T1
Gavrilov(1976)T1
Eberle(1971)T1
Folger(1968)T1
Bak(1967)T3
Butler(1957)T1
Cross section (mb)
Energy (MeV)


^{243}Am(n,g)^{244g}Am
ENDF/B-VII.1
EAF-2010
TENDL-2015
Marie(2006)
Mughabghab(2006)R3
Hatsukawa(1997)
Schuman(1967)
Cross section (mb)
Energy (MeV)


^{243}Am(n,g)^{244}Am
JEFF-3.2
JENDL-4.0
ENDF/B-VII.1
CENDL-3.1
EAF-2010
TENDL-2015
Mendoza(2014)T1
Marie(2006)
Mughabghab(2006)R1
Weston(1985)T1
Wisshak(1983)T1
Wisshak(1983)T1
Wisshak(1983)T1
Wisshak(1983)T1
Wisshak(1983)T1
Wisshak(1983)T1
Wisshak(1983)T1
Wisshak(1983)T1
Gavrilov(1976)T1
Eberle(1971)T1
Folger(1968)T1
Bak(1967)T3
Butler(1957)T1
Cross section (mb)
Energy (MeV)


^{243}Am(n,g)^{244}Am
JEFF-3.2
JENDL-4.0
ENDF/B-VII.1
CENDL-3.1
EAF-2010
TENDL-2015
Mendoza(2014)T1
Marie(2006)
Mughabghab(2006)R1
Weston(1985)T1
Wisshak(1983)T1
Wisshak(1983)T1
Wisshak(1983)T1
Wisshak(1983)T1
Wisshak(1983)T1
Wisshak(1983)T1
Wisshak(1983)T1
Wisshak(1983)T1
Gavrilov(1976)T1
Eberle(1971)T1
Folger(1968)T1
Bak(1967)T3
Butler(1957)T1
Cross section (mb)
Energy (MeV)


^{243}Am(n,g)^{244m}Am
ENDF/B-VII.1
EAF-2010
TENDL-2015
Hatsukawa(1997)
StreetJr(1950)
Cross section (mb)
Energy (MeV)