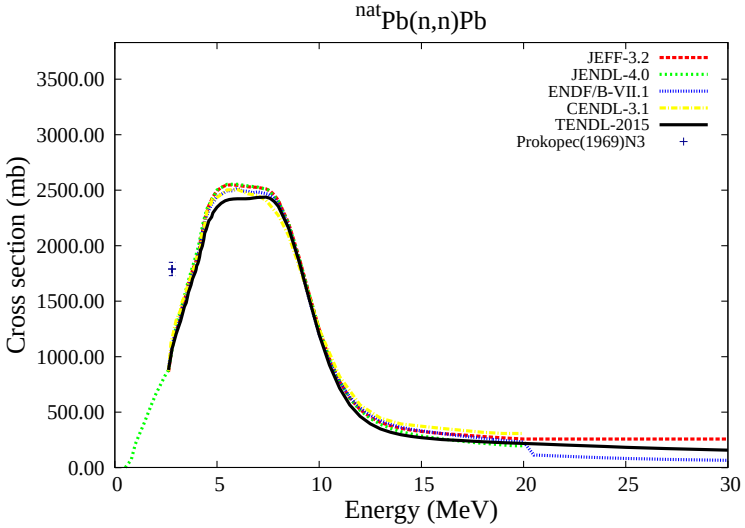
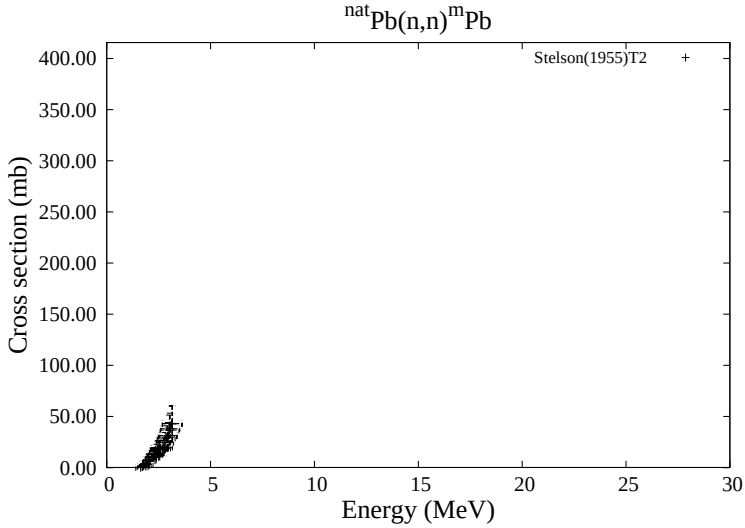
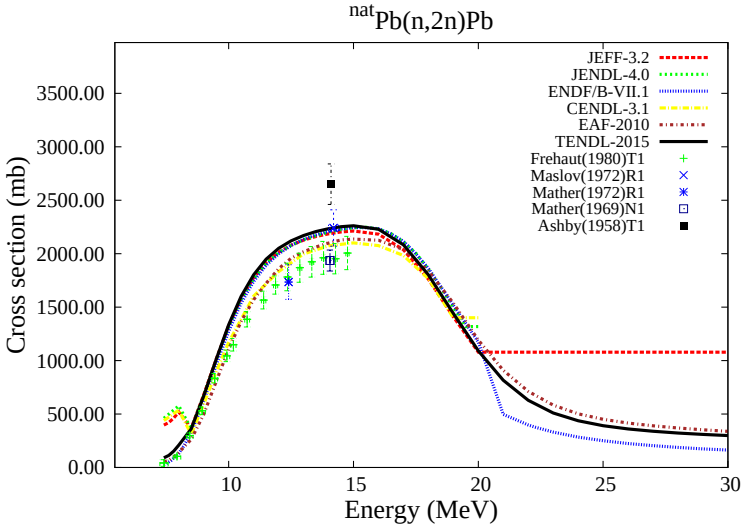
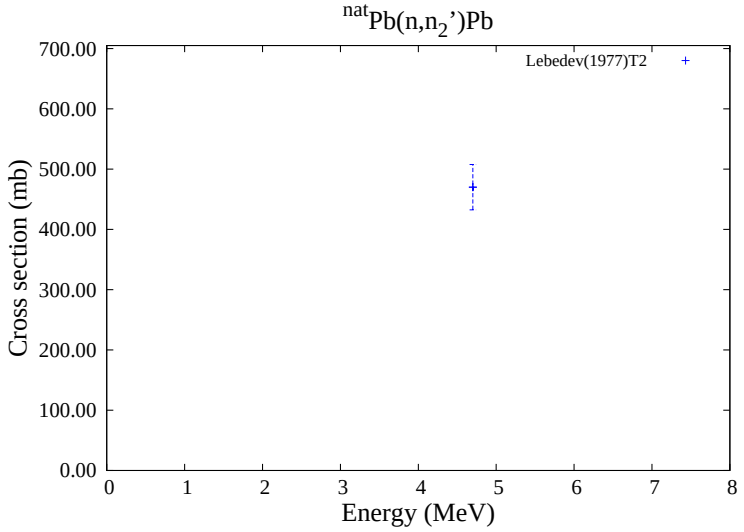
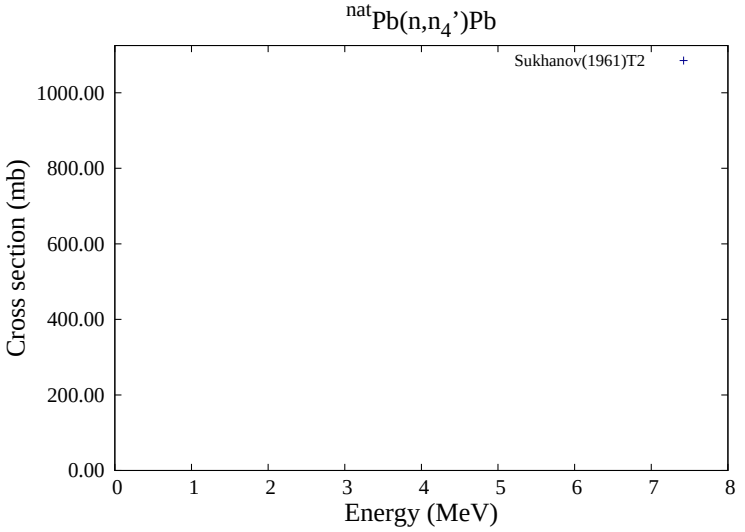
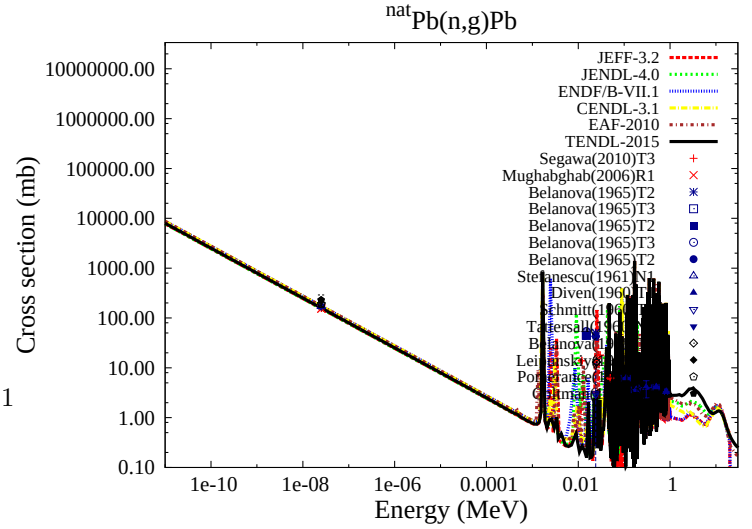

natPb(n,n)Pb
JEFF-3.2
JENDL-4.0
ENDF/B-VII.1
CENDL-3.1
TENDL-2015
Prokopec(1969)N3
Cross section (mb)
Energy (MeV)

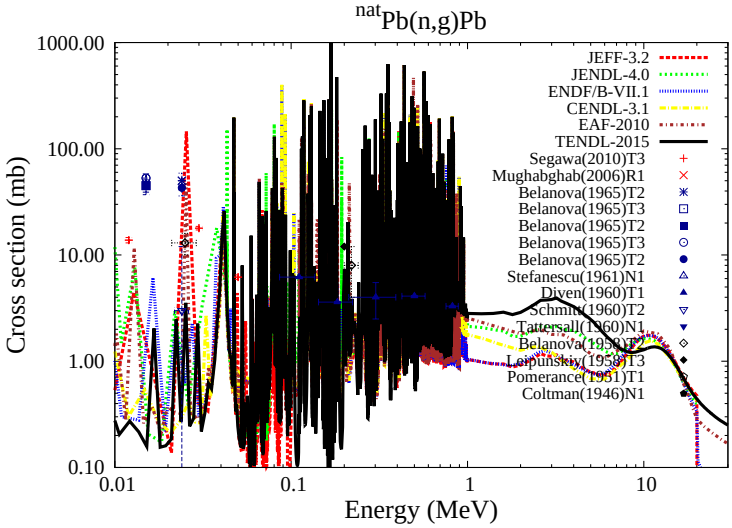

natPb(n,n)mPb
Stelson(1955)T2
Cross section (mb)
Energy (MeV)

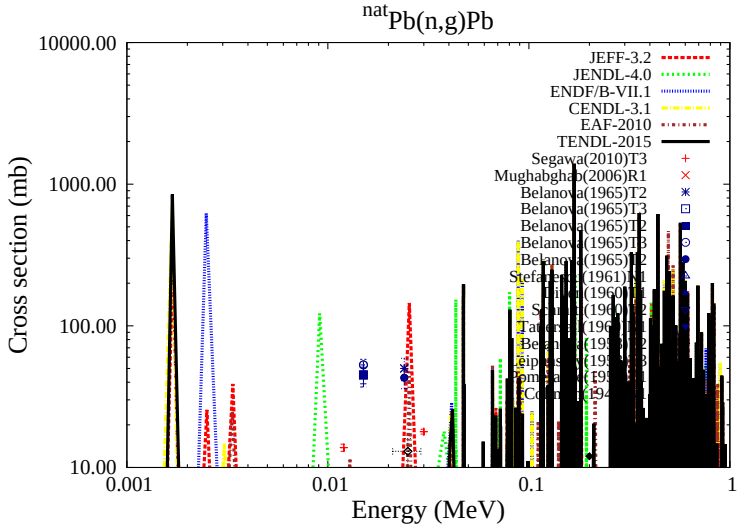

natPb(n,2n)Pb
JEFF-3.2
JENDL-4.0
ENDF/B-VII.1
CENDL-3.1
EAF-2010
TENDL-2015
Frehaut(1980)T1
Maslov(1972)R1
Mather(1972)R1
Mather(1969)N1
Ashby(1958)T1
Cross section (mb)
Energy (MeV)

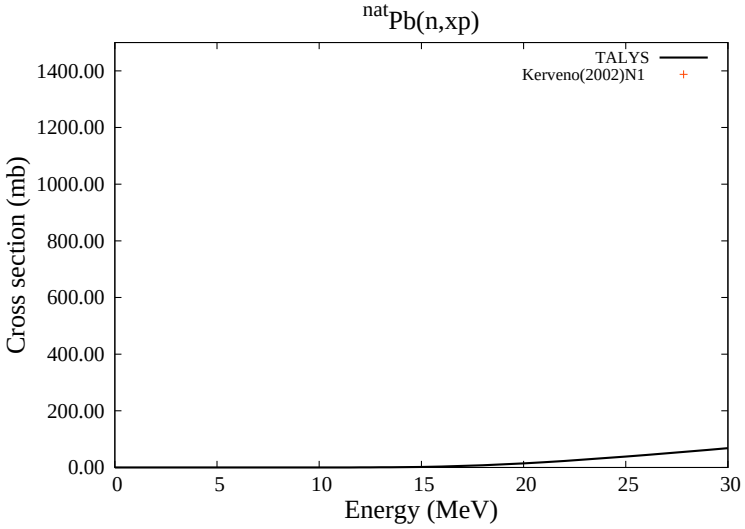

natPb(n,n2')Pb
Lebedev(1977)T2
Cross section (mb)
Energy (MeV)

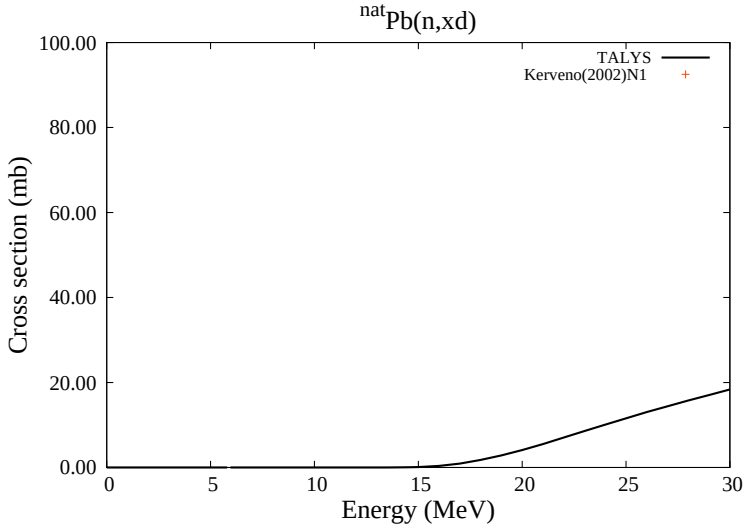

natPb(n,n4')Pb
Sukhanov(1961)T2
Cross section (mb)
Energy (MeV)

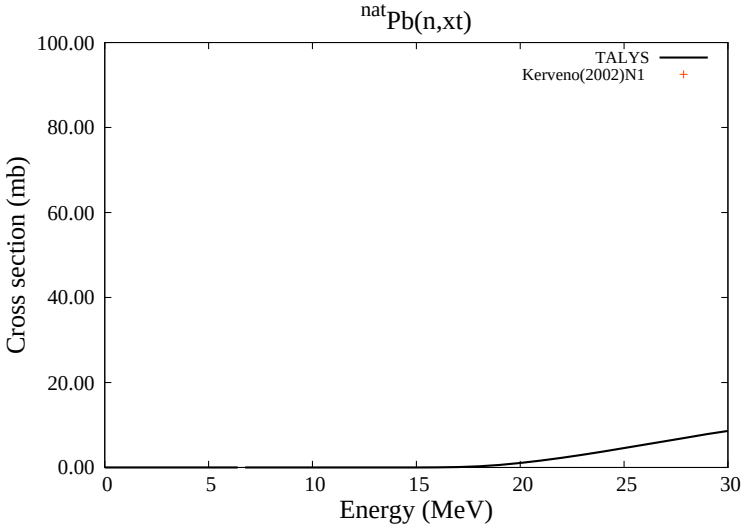

natPb(n,g)Pb
JEFF-3.2
JENDL-4.0
ENDF/B-VII.1
CENDL-3.1
EAF-2010
TENDL-2015
Segawa(2010)T3
Mughabghab(2006)R1
Belanova(1965)T2
Belanova(1965)T3
Belanova(1965)T2
Belanova(1965)T3
Belanova(1965)T2
Stefanescu(1961)N1
Diven(1960)T1
Cross section (mb)
Energy (MeV)

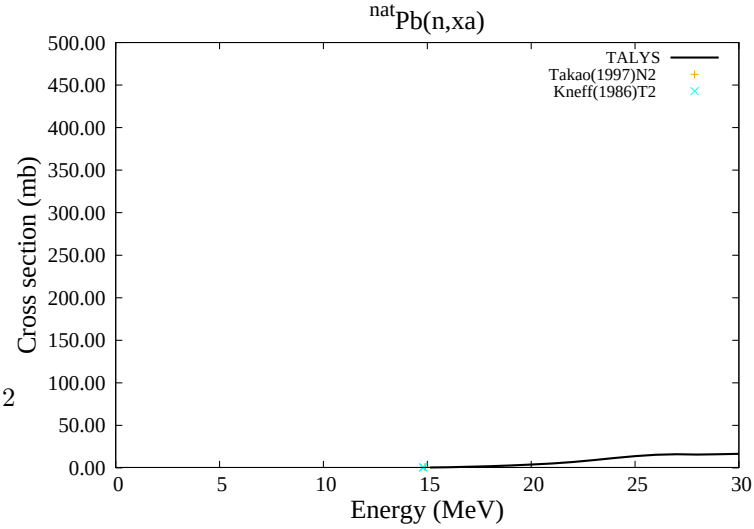

natPb(n,g)Pb
Cross section (mb)
Energy (MeV)
JEFF-3.2
JENDL-4.0
ENDF/B-VII.1
CENDL-3.1
EAF-2010
TENDL-2015
Segawa(2010)T3
Mughabghab(2006)R1
Belanova(1965)T2
Belanova(1965)T3
Belanova(1965)T2
Belanova(1965)T3
Belanova(1965)T2
Stefanescu(1961)N1
Diven(1960)T1
Schmitt(1960)T2
Tattersall(1960)N1
Belanova(1958)T2
Leipunskiy(1958)T3
Pomerance(1951)T1
Coltman(1946)N1

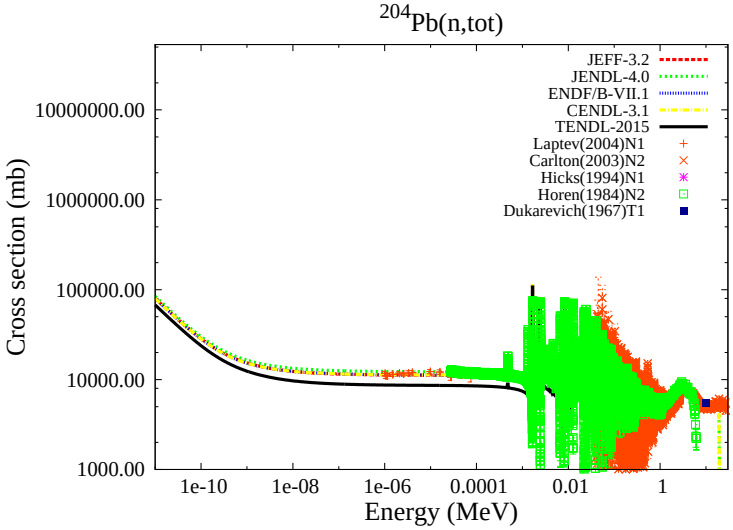

natPb(n,g)Pb
Cross section (mb)
Energy (MeV)
JEFF-3.2
JENDL-4.0
ENDF/B-VII.1
CENDL-3.1
EAF-2010
TENDL-2015
Segawa(2010)T3
Mughabghab(2006)R1
Belanova(1965)T2
Belanova(1965)T3

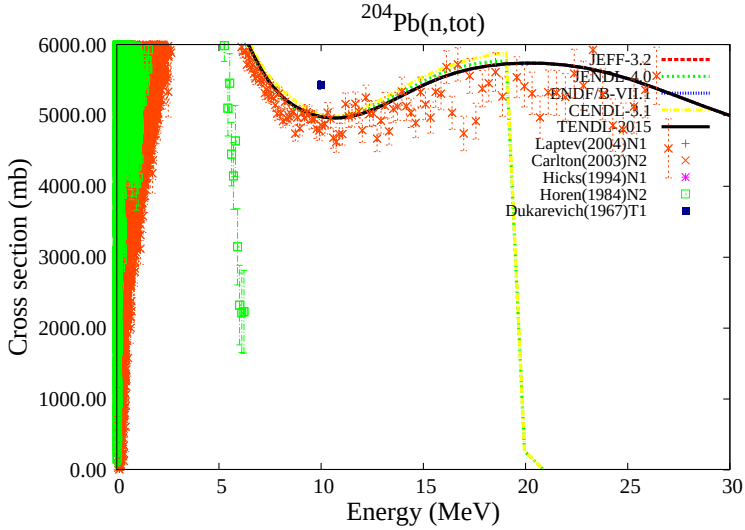

natPb(n,xp)
Cross section (mb)
Energy (MeV)
TALYS
Kerveno(2002)N1

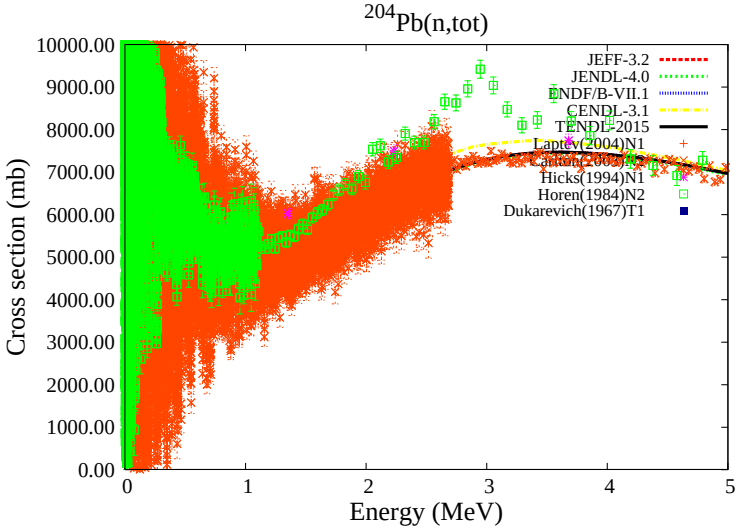

natPb(n,xd)
Cross section (mb)
Energy (MeV)
TALYS
Kerveno(2002)N1

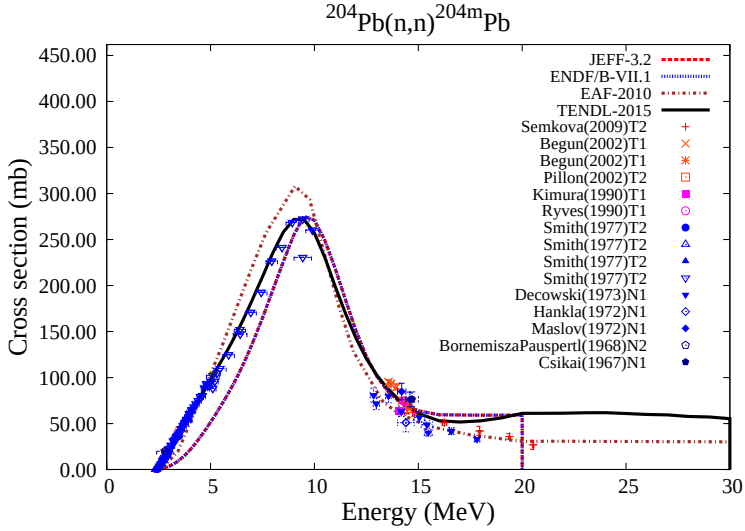

natPb(n,xt)
Cross section (mb)
Energy (MeV)
TALYS
Kerveno(2002)N1

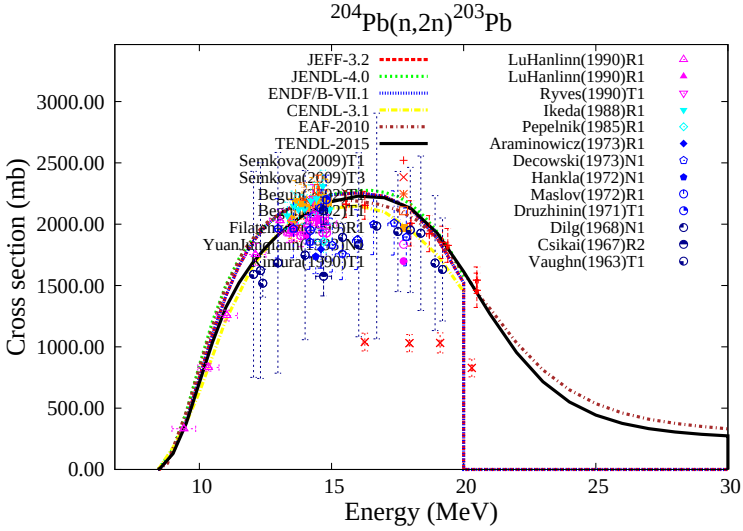

natPb(n,xa)
Cross section (mb)
Energy (MeV)
TALYS
Takao(1997)N2
Kneff(1986)T2

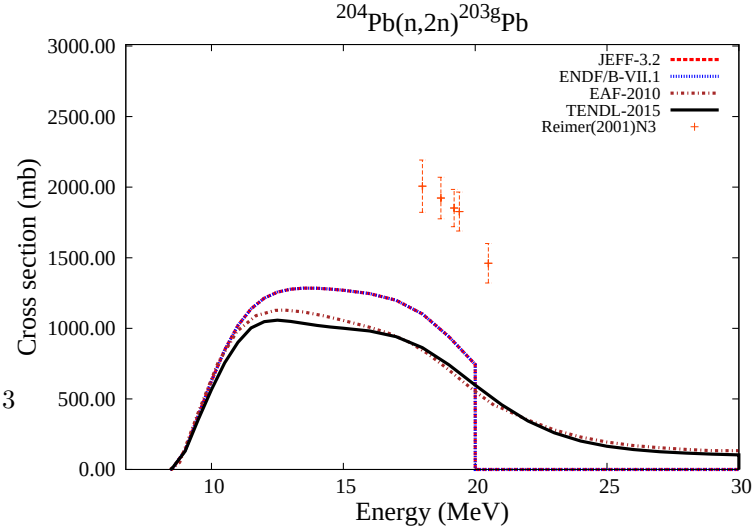

^{204}Pb(n,tot)
Cross section (mb)
Energy (MeV)
JEFF-3.2
JENDL-4.0
ENDF/B-VII.1
CENDL-3.1
TENDL-2015
Laptev(2004)N1
Carlton(2003)N2
Hicks(1994)N1
Horen(1984)N2
Dukarevich(1967)T1


^{204}Pb(n,tot)
Cross section (mb)
Energy (MeV)
JEFF-3.2
JENDL-4.0
ENDF/B-VII.1
CENDL-3.1
TENDL-2015
Laptev(2004)N1
Carlton(2003)N2
Hicks(1994)N1
Horen(1984)N2
Dukarevich(1967)T1

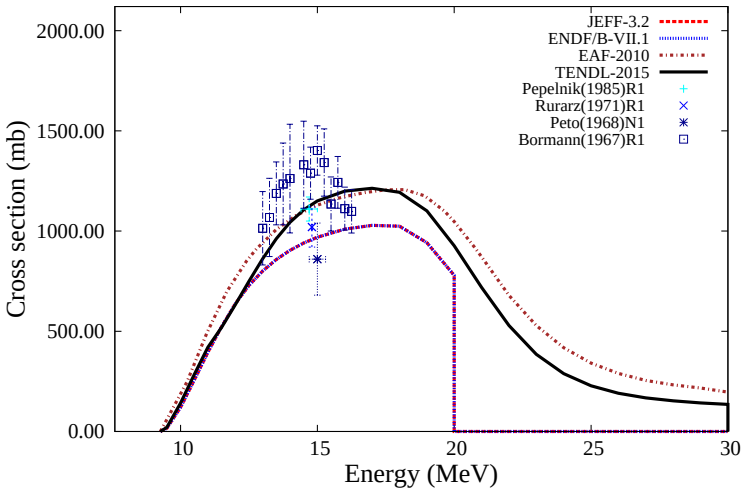

^{204}Pb(n,tot)
Cross section (mb)
Energy (MeV)
JEFF-3.2
JENDL-4.0
ENDF/B-VII.1
CENDL-3.1
TENDL-2015
Laptev(2004)N1
Hicks(1994)N1
Horen(1984)N2
Dukarevich(1967)T1


^{204}Pb(n,n)^{204m}Pb
Cross section (mb)
Energy (MeV)
JEFF-3.2
ENDF/B-VII.1
EAF-2010
TENDL-2015
Semkova(2009)T2
Begun(2002)T1
Begun(2002)T1
Pillon(2002)T2
Kimura(1990)T1
Ryves(1990)T1
Smith(1977)T2
Smith(1977)T2
Smith(1977)T2
Smith(1977)T2
Decowski(1973)N1
Hankla(1972)N1
Maslov(1972)N1
BornemiszaPauspertl(1968)N2
Csikai(1967)N1

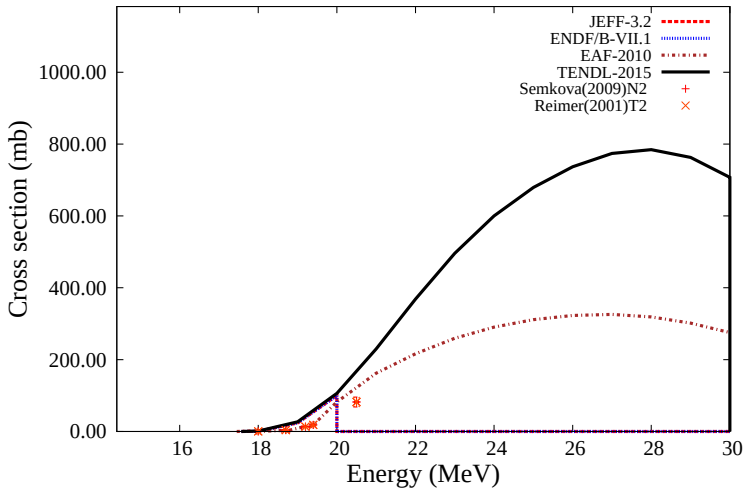

^{204}Pb(n,2n)^{203}Pb
Cross section (mb)
Energy (MeV)
JEFF-3.2
JENDL-4.0
ENDF/B-VII.1
CENDL-3.1
EAF-2010
TENDL-2015
Semkova(2009)T1
Semkova(2009)T3
Filatenkov(2009)R1
LuHanlinn(1990)R1
LuHanlinn(1990)R1
Ryves(1990)T1
Ikeda(1988)R1
Pepelnik(1985)R1
Araminowicz(1973)R1
Decowski(1973)N1
Hankla(1972)N1
Maslov(1972)R1
Druzhinin(1971)T1
Dilg(1968)N1
Csikai(1967)R2
Vaughn(1963)T1


^{204}Pb(n,2n)^{203g}Pb
Cross section (mb)
Energy (MeV)
JEFF-3.2
ENDF/B-VII.1
EAF-2010
TENDL-2015
Reimer(2001)N3

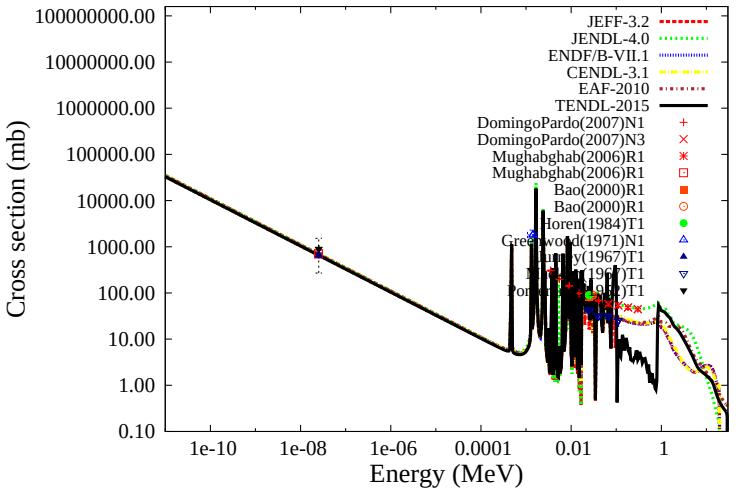
^{204}Pb(n,2n)^{203m}Pb



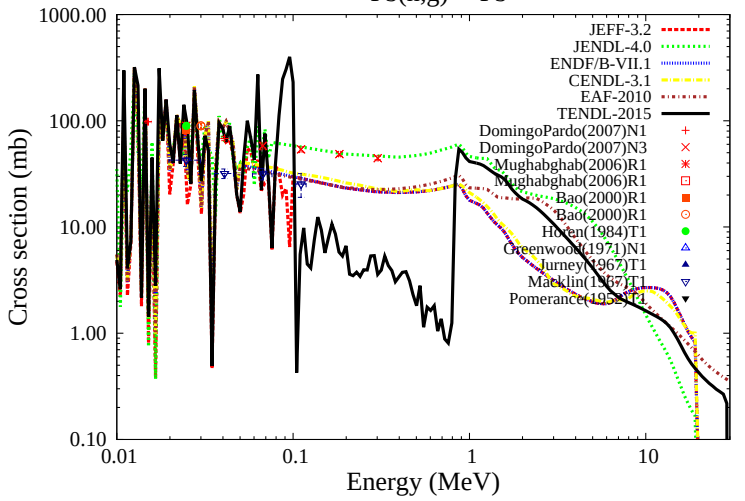
^{204}Pb(n,3n)^{202m}Pb



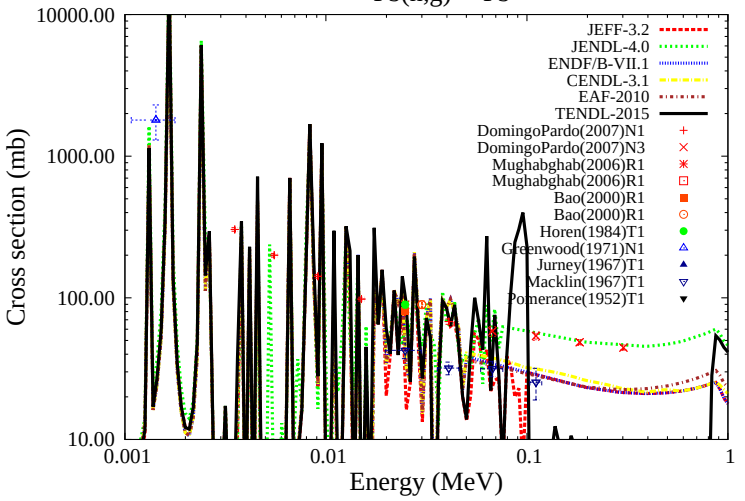
^{204}Pb(n,g)^{205}Pb



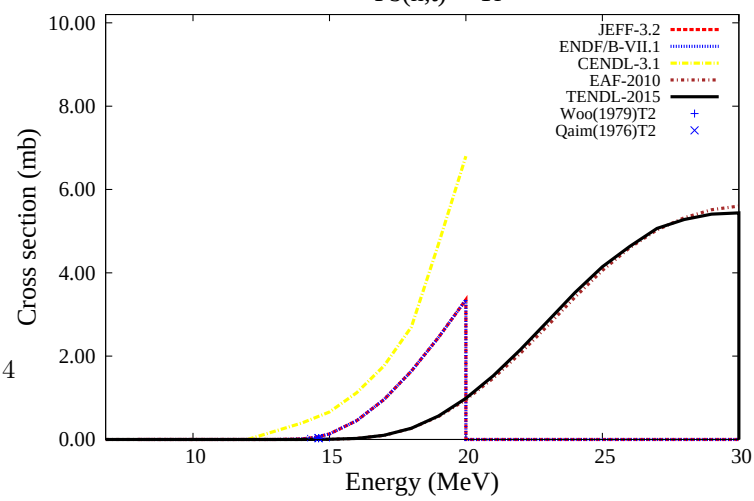
^{204}Pb(n,g)^{205}Pb

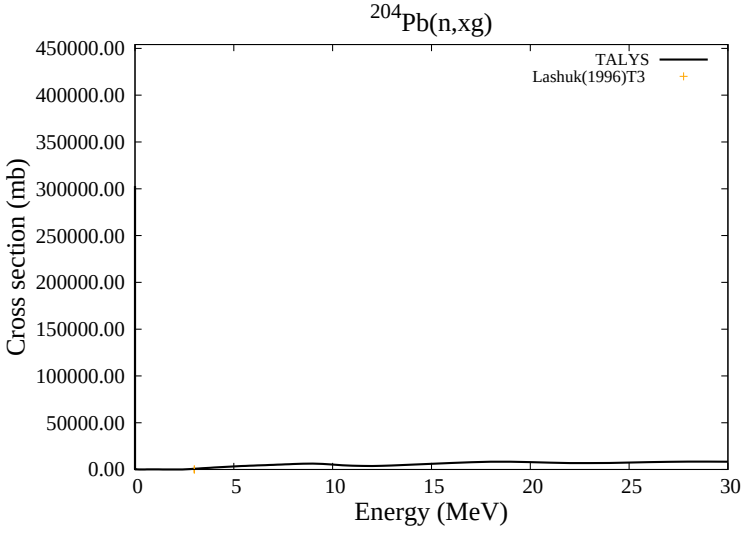


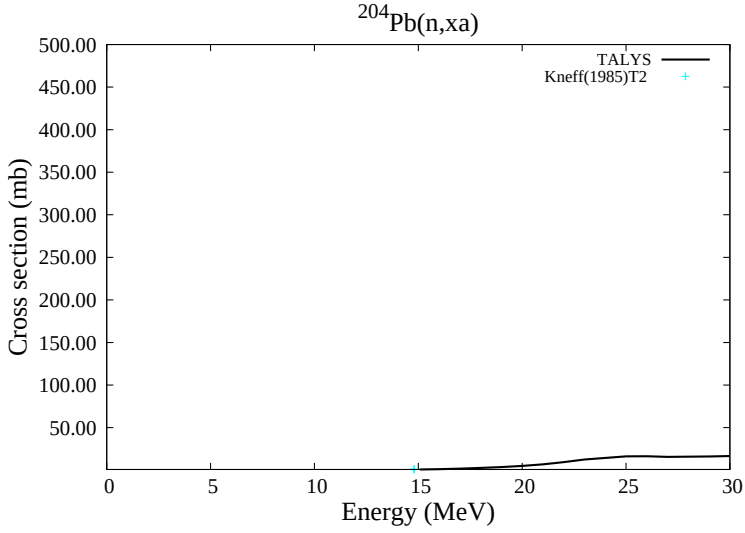
^{204}Pb(n,g)^{205}Pb

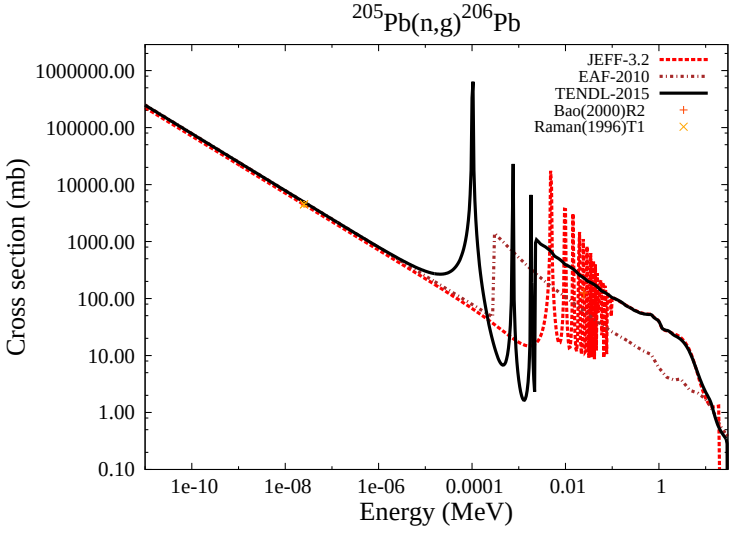


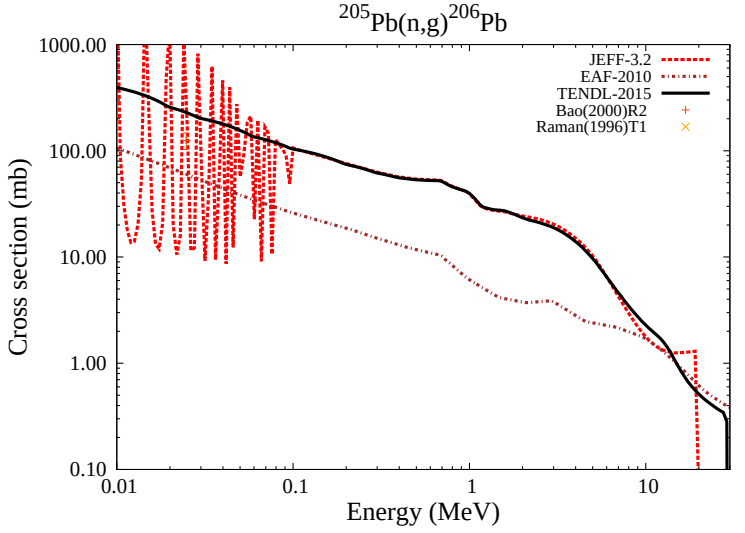
^{204}Pb(n,t)^{202}Tl

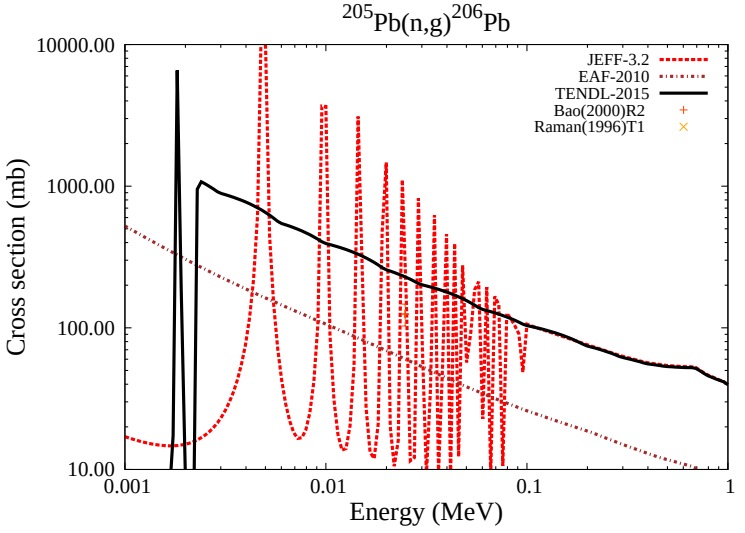


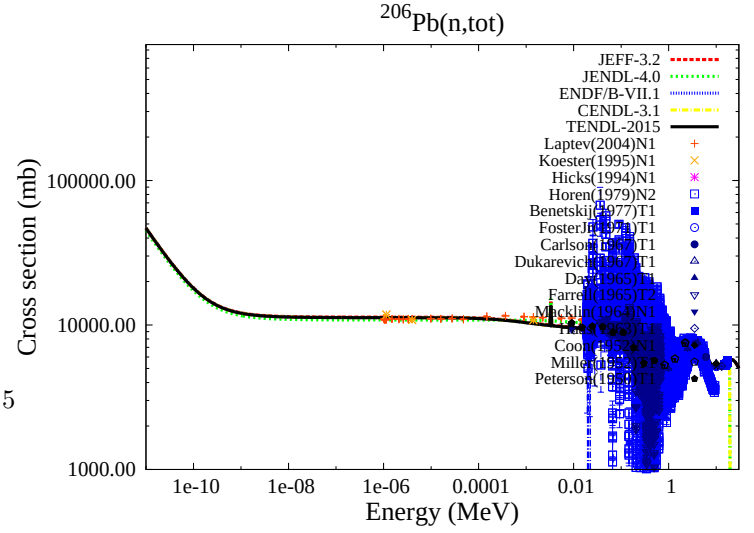

^{204}Pb(n,xg)
TALYS
Lashuk(1996)T3
Cross section (mb)
Energy (MeV)

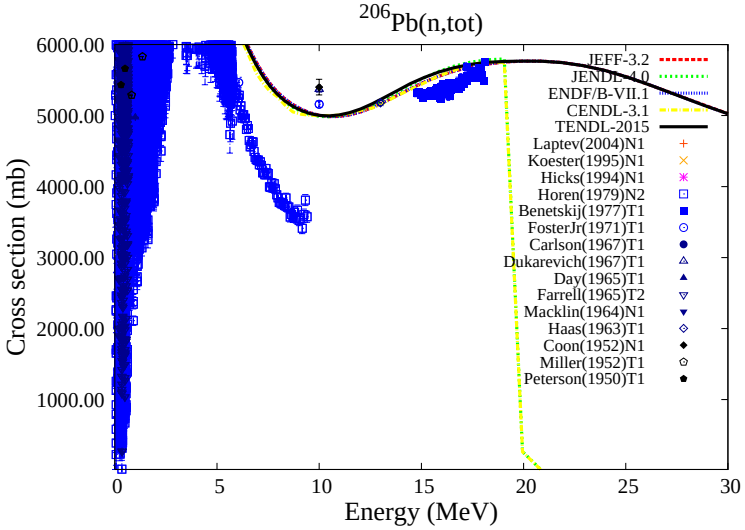

^{204}Pb(n,xa)
TALYS
Kneff(1985)T2
Cross section (mb)
Energy (MeV)

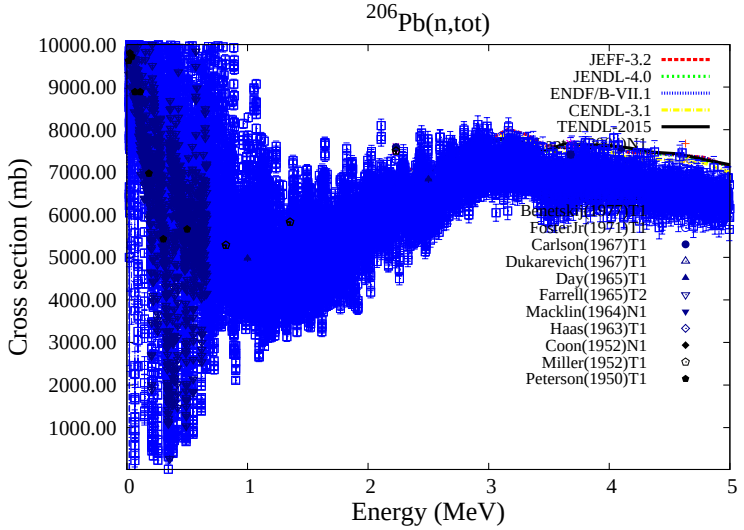

^{205}Pb(n,g)^{206}Pb
JEFF-3.2
EAF-2010
TENDL-2015
Bao(2000)R2
Raman(1996)T1
Cross section (mb)
Energy (MeV)

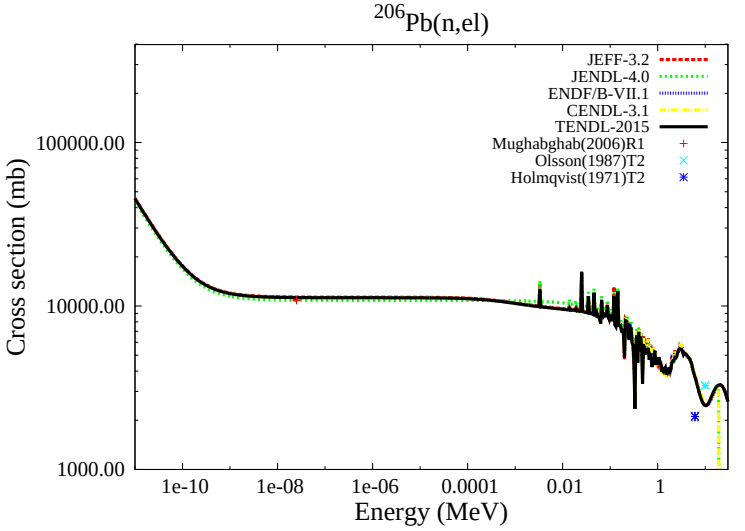

^{205}Pb(n,g)^{206}Pb
JEFF-3.2
EAF-2010
TENDL-2015
Bao(2000)R2
Raman(1996)T1
Cross section (mb)
Energy (MeV)

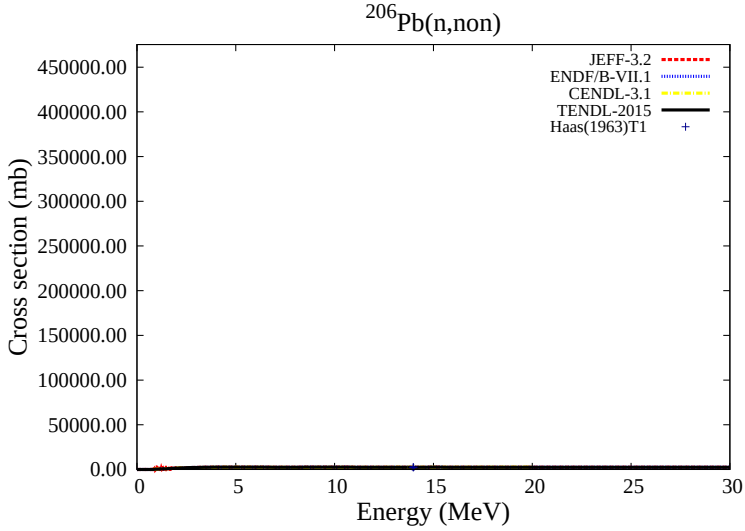

^{205}Pb(n,g)^{206}Pb
JEFF-3.2
EAF-2010
TENDL-2015
Bao(2000)R2
Raman(1996)T1
Cross section (mb)
Energy (MeV)

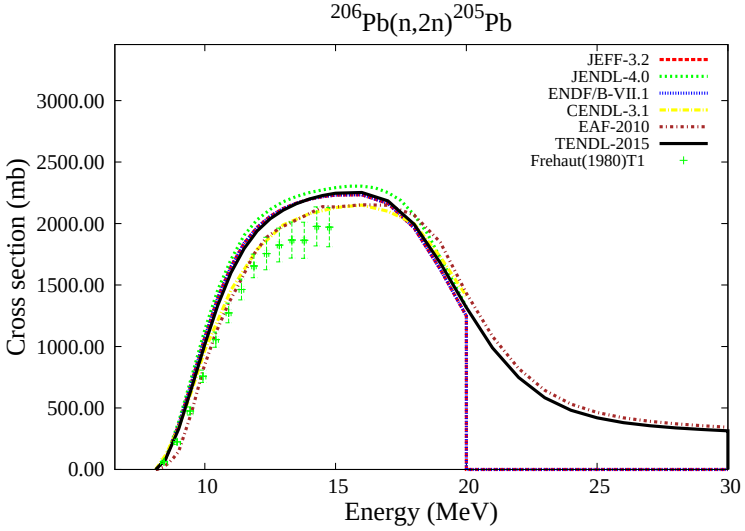

^{206}Pb(n,tot)
JEFF-3.2
JENDL-4.0
ENDF/B-VII.1
CENDL-3.1
TENDL-2015
Laptev(2004)N1
Koester(1995)N1
Hicks(1994)N1
Horen(1979)N2
Benetskii(1977)T1
Carlson(1967)T1
Dukarevich(1967)T1
Farrell(1965)T2
Macklin(1964)N1
Cook(1957)N1
Peterson(1956)T1
Cross section (mb)
Energy (MeV)

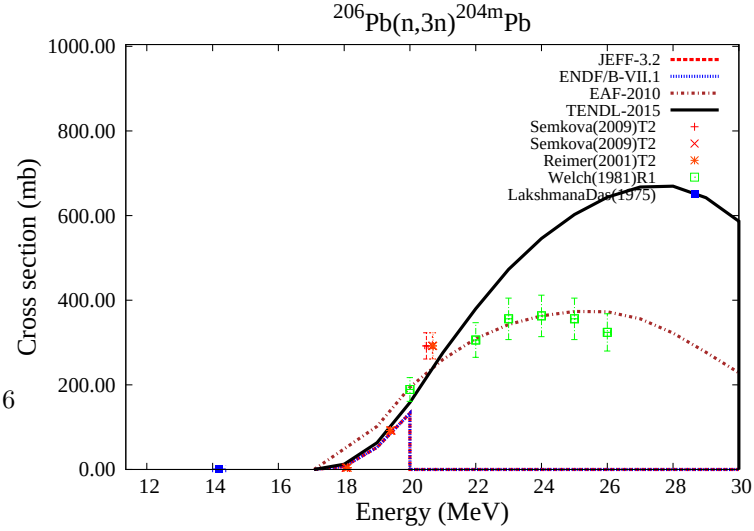

^{206}Pb(n,tot)
Cross section (mb)
Energy (MeV)
JEFF-3.2
JENDL-4.0
ENDF/B-VII.1
CENDL-3.1
TENDL-2015
Laptev(2004)N1
Koester(1995)N1
Hicks(1994)N1
Horen(1979)N2
Benetskij(1977)T1
FosterJr(1971)T1
Carlson(1967)T1
Dukarevich(1967)T1
Day(1965)T1
Farrell(1965)T2
Macklin(1964)N1
Haas(1963)T1
Coon(1952)N1
Miller(1952)T1
Peterson(1950)T1

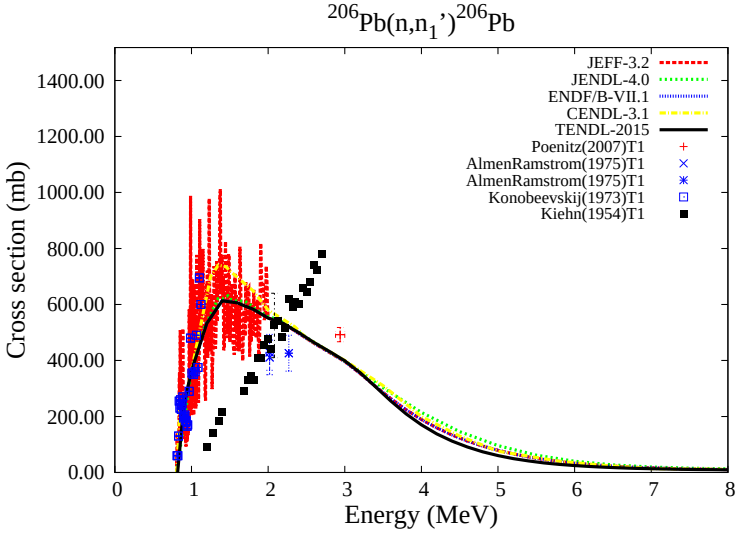

^{206}Pb(n,tot)
Cross section (mb)
Energy (MeV)
JEFF-3.2
JENDL-4.0
ENDF/B-VII.1
CENDL-3.1
TENDL-2015
Carlson(1967)T1
Dukarevich(1967)T1
Day(1965)T1
Farrell(1965)T2
Macklin(1964)N1
Haas(1963)T1
Coon(1952)N1
Miller(1952)T1
Peterson(1950)T1

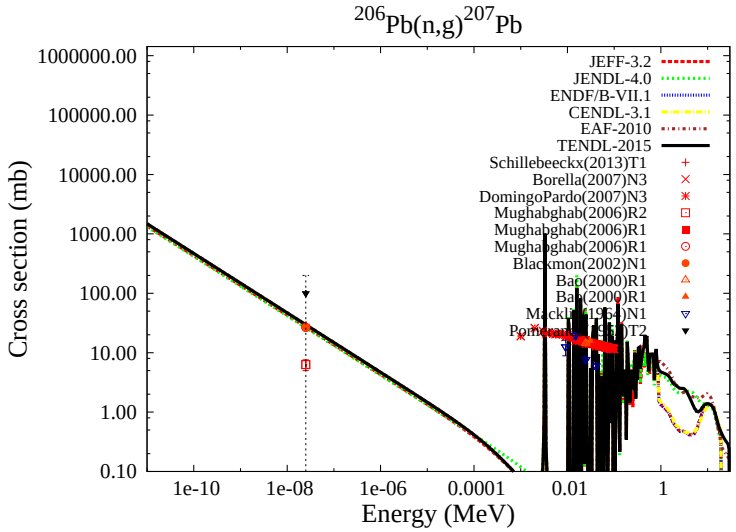

^{206}Pb(n,el)
Cross section (mb)
Energy (MeV)
JEFF-3.2
JENDL-4.0
ENDF/B-VII.1
CENDL-3.1
TENDL-2015
Mughabghab(2006)R1
Olsson(1987)T2
Holmqvist(1971)T2

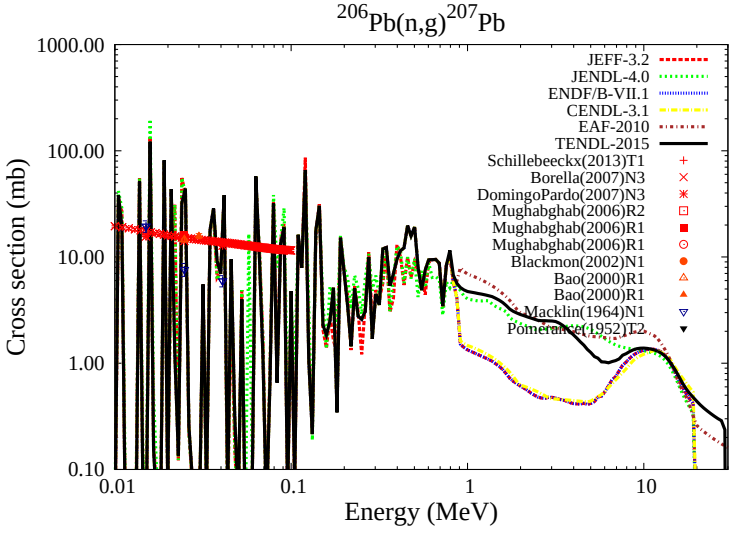

^{206}Pb(n,non)
Cross section (mb)
Energy (MeV)
JEFF-3.2
ENDF/B-VII.1
CENDL-3.1
TENDL-2015
Haas(1963)T1

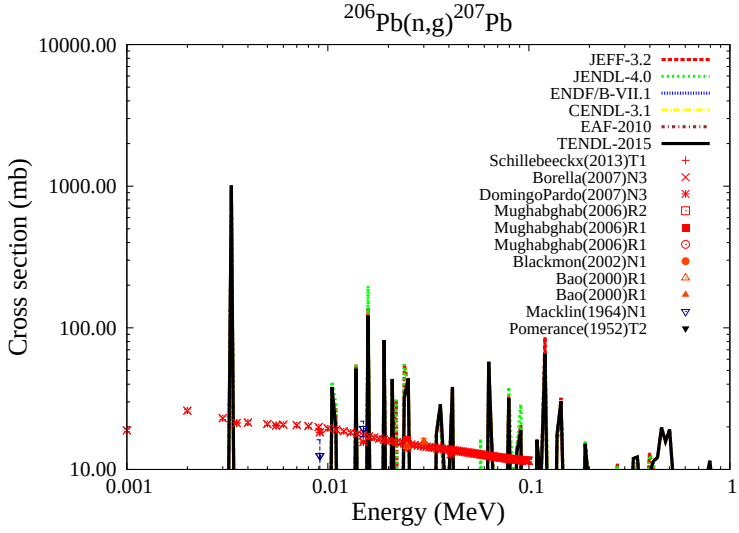

^{206}Pb(n,2n)^{205}Pb
Cross section (mb)
Energy (MeV)
JEFF-3.2
JENDL-4.0
ENDF/B-VII.1
CENDL-3.1
EAF-2010
TENDL-2015
Frehaut(1980)T1

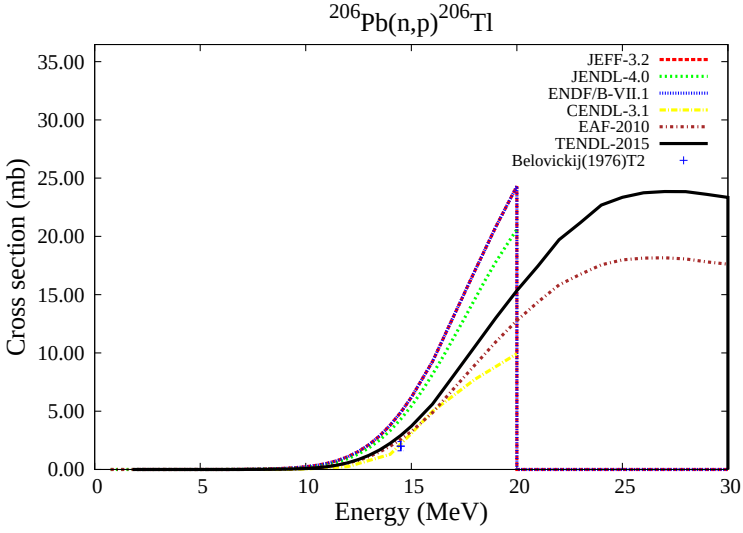

^{206}Pb(n,3n)^{204m}Pb
Cross section (mb)
Energy (MeV)
JEFF-3.2
ENDF/B-VII.1
EAF-2010
TENDL-2015
Semkova(2009)T2
Semkova(2009)T2
Reimer(2001)T2
Welch(1981)R1
LakshmanaDas(1975)

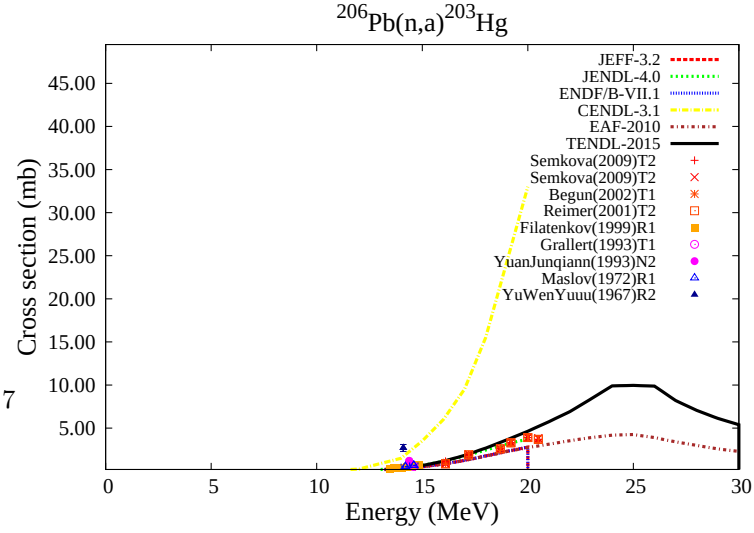

^{206}Pb(n,n$_1$')^{206}Pb
Cross section (mb)
Energy (MeV)
JEFF-3.2
JENDL-4.0
ENDF/B-VII.1
CENDL-3.1
TENDL-2015
Poenitz(2007)T1
AlmenRamstrom(1975)T1
AlmenRamstrom(1975)T1
Konobeevskij(1973)T1
Kiehn(1954)T1

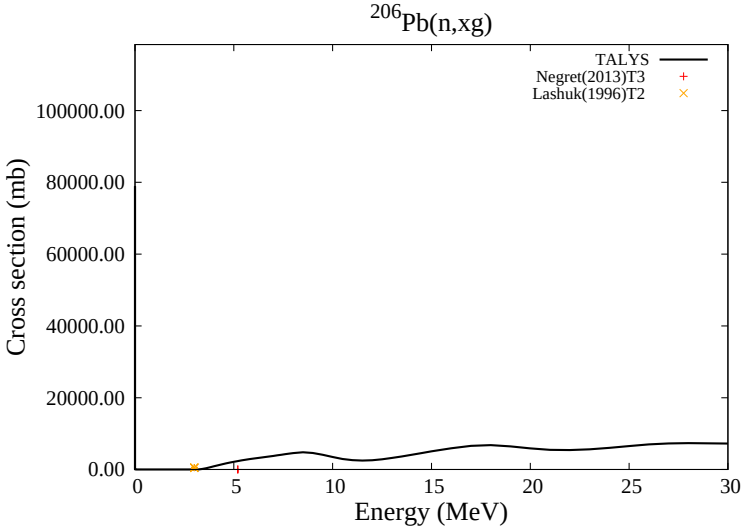

^{206}Pb(n,g)^{207}Pb
Cross section (mb)
Energy (MeV)
JEFF-3.2
JENDL-4.0
ENDF/B-VII.1
CENDL-3.1
EAF-2010
TENDL-2015
Schillebeeckx(2013)T1
Borella(2007)N3
DomingoPardo(2007)N3
Mughabghab(2006)R2
Mughabghab(2006)R1
Mughabghab(2006)R1
Blackmon(2002)N1
Bao(2000)R1
Bao(2000)R1
Macklin(1964)N1
Pomerance(1952)T2

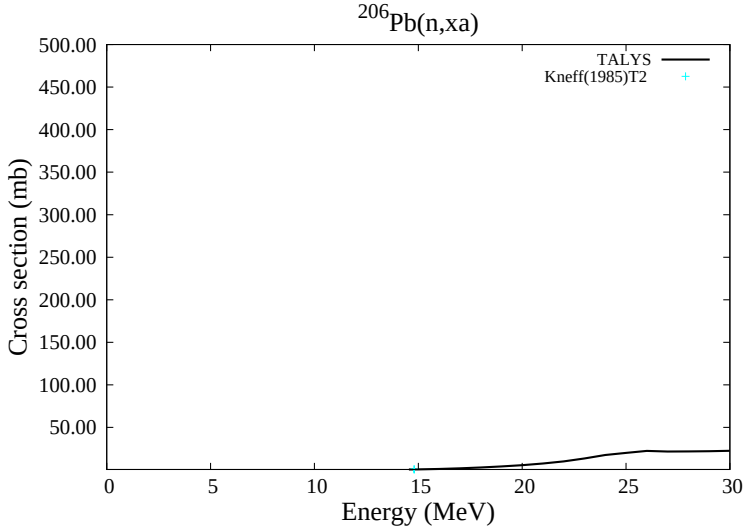

^{206}Pb(n,g)^{207}Pb
Cross section (mb)
Energy (MeV)
JEFF-3.2
JENDL-4.0
ENDF/B-VII.1
CENDL-3.1
EAF-2010
TENDL-2015
Schillebeeckx(2013)T1
Borella(2007)N3
DomingoPardo(2007)N3
Mughabghab(2006)R2
Mughabghab(2006)R1
Mughabghab(2006)R1
Blackmon(2002)N1
Bao(2000)R1
Bao(2000)R1
Macklin(1964)N1
Pomerance(1952)T2

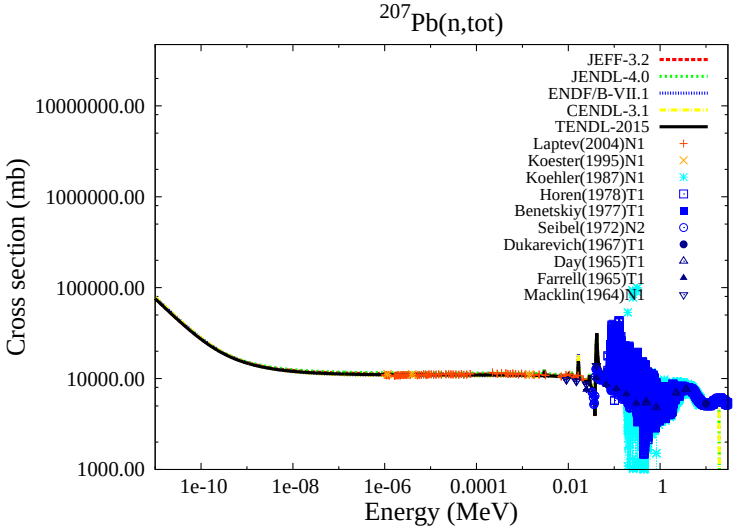

^{206}Pb(n,g)^{207}Pb
Cross section (mb)
Energy (MeV)
JEFF-3.2
JENDL-4.0
ENDF/B-VII.1
CENDL-3.1
EAF-2010
TENDL-2015
Schillebeeckx(2013)T1
Borella(2007)N3
DomingoPardo(2007)N3
Mughabghab(2006)R2
Mughabghab(2006)R1
Mughabghab(2006)R1
Blackmon(2002)N1
Bao(2000)R1
Bao(2000)R1
Macklin(1964)N1
Pomerance(1952)T2

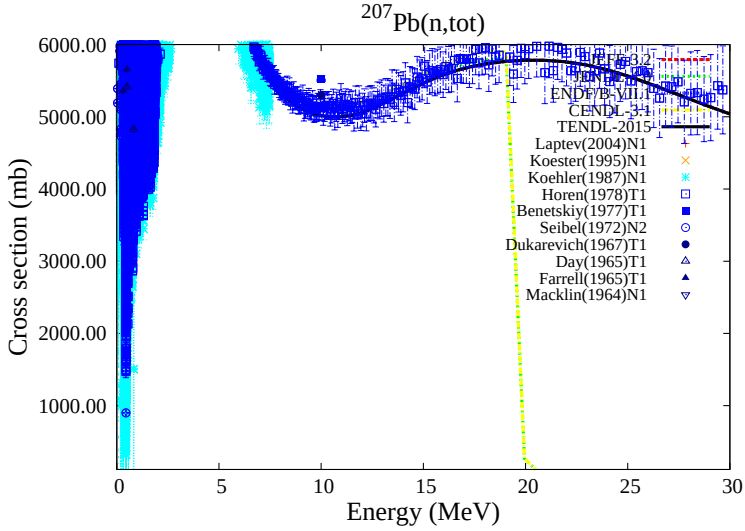

^{206}Pb(n,p)^{206}Tl
Cross section (mb)
Energy (MeV)
JEFF-3.2
JENDL-4.0
ENDF/B-VII.1
CENDL-3.1
EAF-2010
TENDL-2015
Belovickij(1976)T2

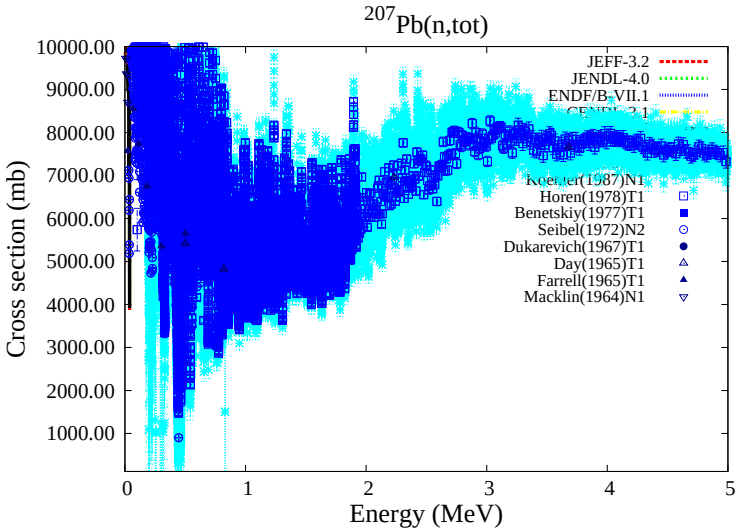

^{206}Pb(n,a)^{203}Hg
Cross section (mb)
Energy (MeV)
JEFF-3.2
JENDL-4.0
ENDF/B-VII.1
CENDL-3.1
EAF-2010
TENDL-2015
Semkova(2009)T2
Semkova(2009)T2
Begun(2002)T1
Reimer(2001)T2
Filatenkov(1999)R1
Grallert(1993)T1
YuanJunqiann(1993)N2
Maslov(1972)R1
YuWenYuuu(1967)R2

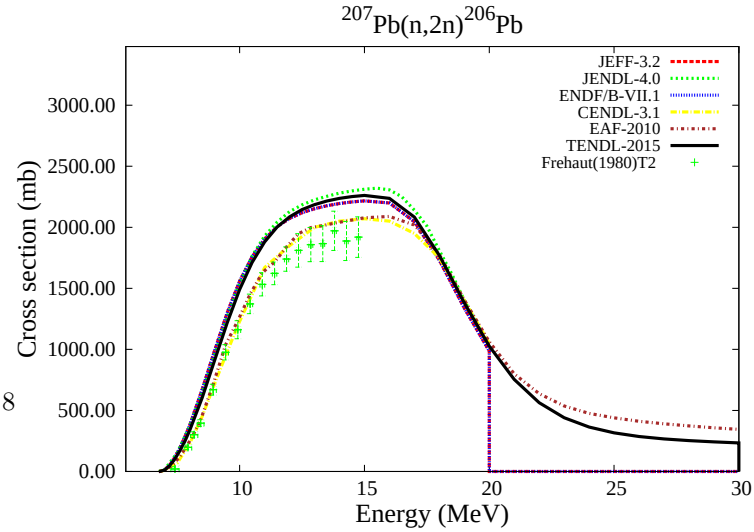

^{206}Pb(n,xg)
TALYS
Negret(2013)T3
Lashuk(1996)T2
Cross section (mb)
Energy (MeV)


^{206}Pb(n,xa)
TALYS
Kneff(1985)T2
Cross section (mb)
Energy (MeV)

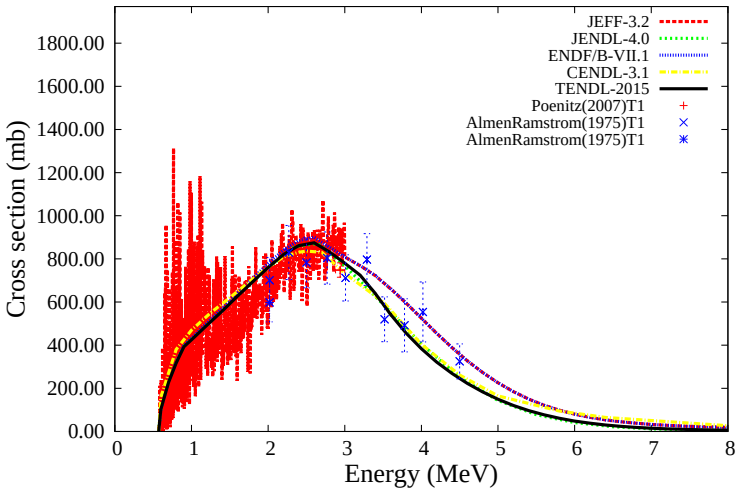

^{207}Pb(n,tot)
JEFF-3.2
JENDL-4.0
ENDF/B-VII.1
CENDL-3.1
TENDL-2015
Laptev(2004)N1
Koester(1995)N1
Koehler(1987)N1
Horen(1978)T1
Benetskiy(1977)T1
Seibel(1972)N2
Dukarevich(1967)T1
Day(1965)T1
Farrell(1965)T1
Macklin(1964)N1
Cross section (mb)
Energy (MeV)


^{207}Pb(n,tot)
JEFF-3.2
ENDF/B-VII.1
CENDL-3.1
TENDL-2015
Laptev(2004)N1
Koester(1995)N1
Koehler(1987)N1
Horen(1978)T1
Benetskiy(1977)T1
Seibel(1972)N2
Dukarevich(1967)T1
Day(1965)T1
Farrell(1965)T1
Macklin(1964)N1
Cross section (mb)
Energy (MeV)

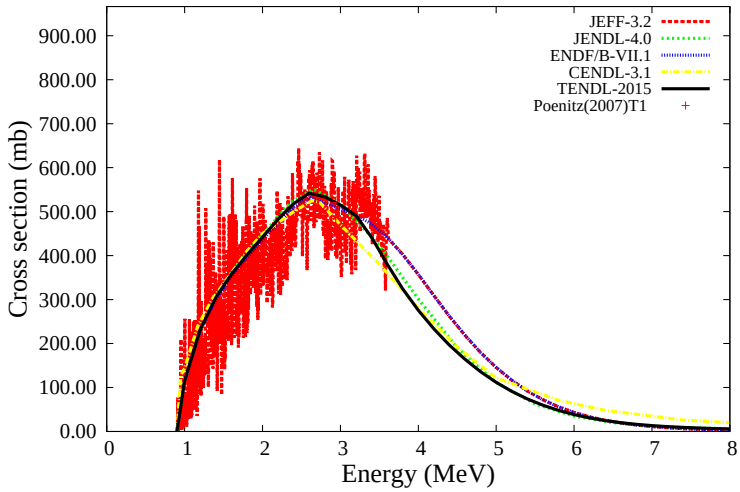

^{207}Pb(n,tot)
JEFF-3.2
JENDL-4.0
ENDF/B-VII.1
Horen(1978)T1
Benetskiy(1977)T1
Seibel(1972)N2
Dukarevich(1967)T1
Day(1965)T1
Farrell(1965)T1
Macklin(1964)N1
Cross section (mb)
Energy (MeV)


^{207}Pb(n,2n)^{206}Pb
JEFF-3.2
JENDL-4.0
ENDF/B-VII.1
CENDL-3.1
EAF-2010
TENDL-2015
Frehaut(1980)T2
Cross section (mb)
Energy (MeV)

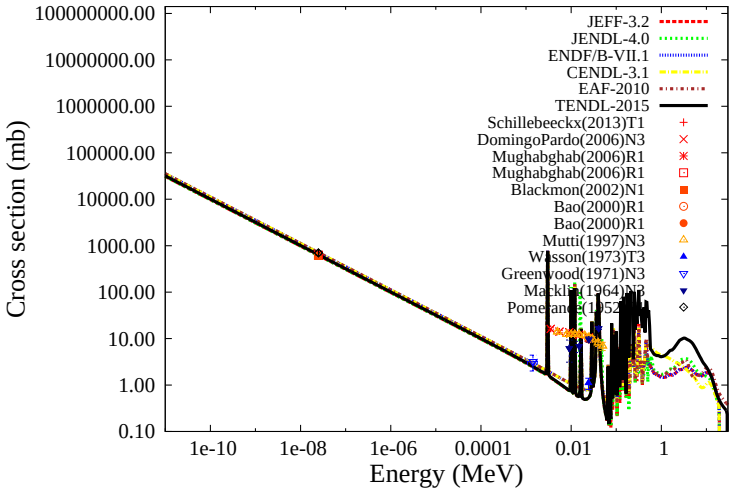
^{207}Pb(n,n$_1$')^{207}Pb



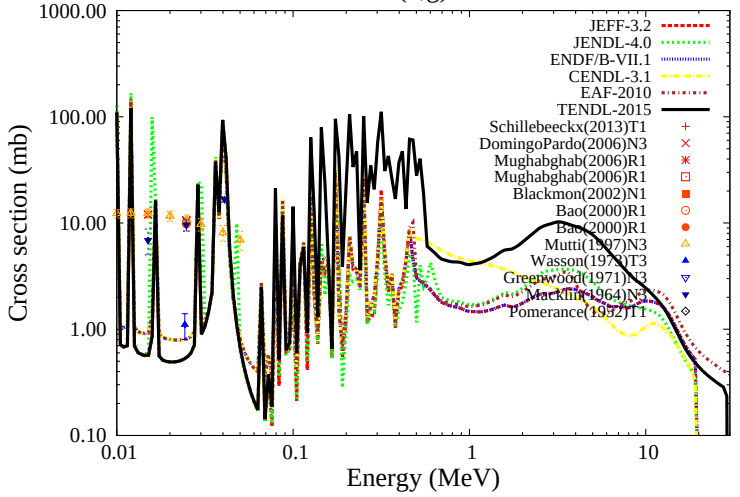
^{207}Pb(n,n$_2$')^{207}Pb



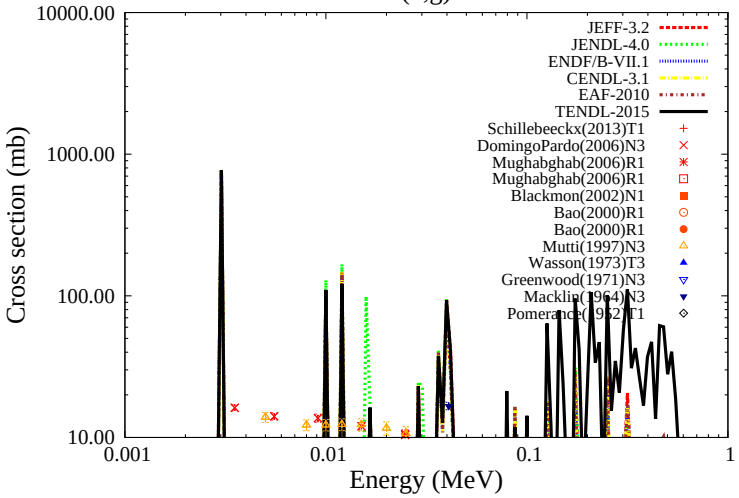
^{207}Pb(n,g)^{208}Pb



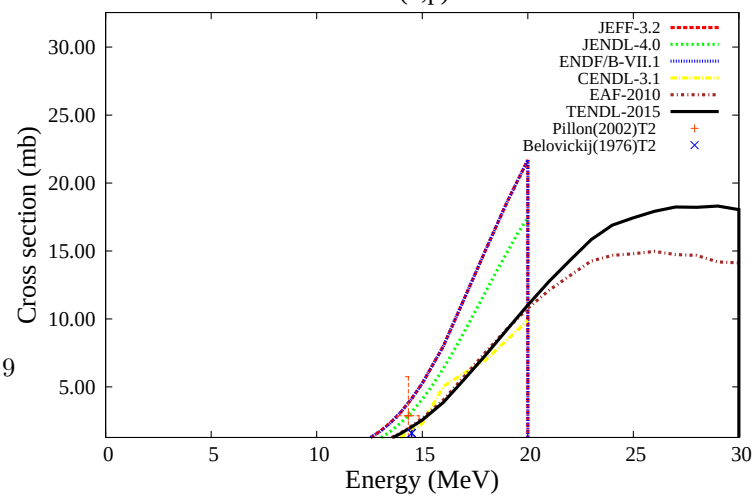
^{207}Pb(n,g)^{208}Pb

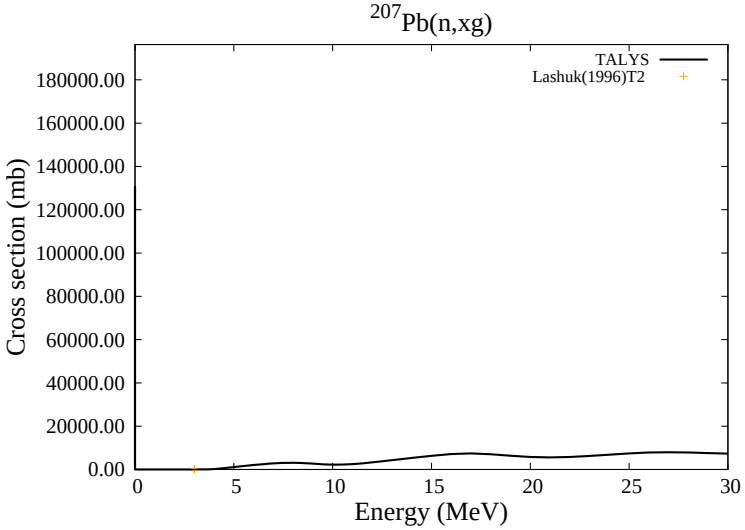


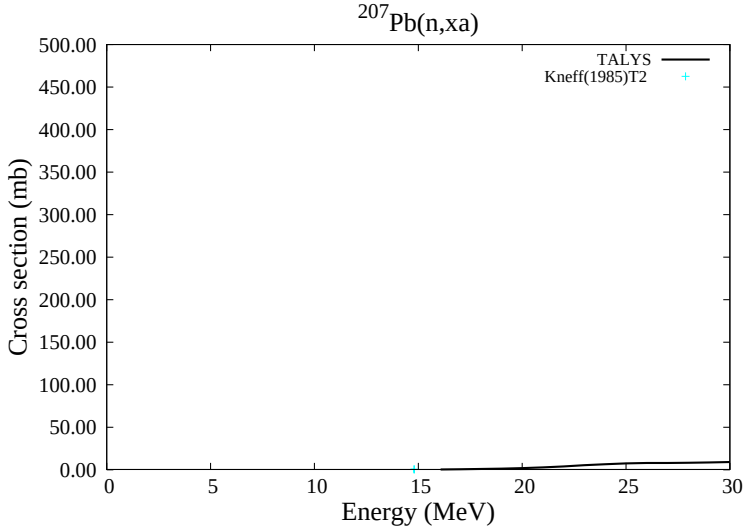
^{207}Pb(n,g)^{208}Pb

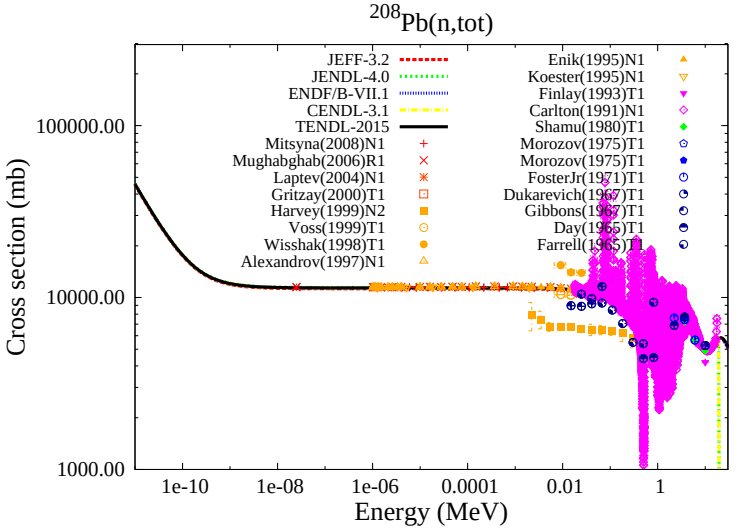


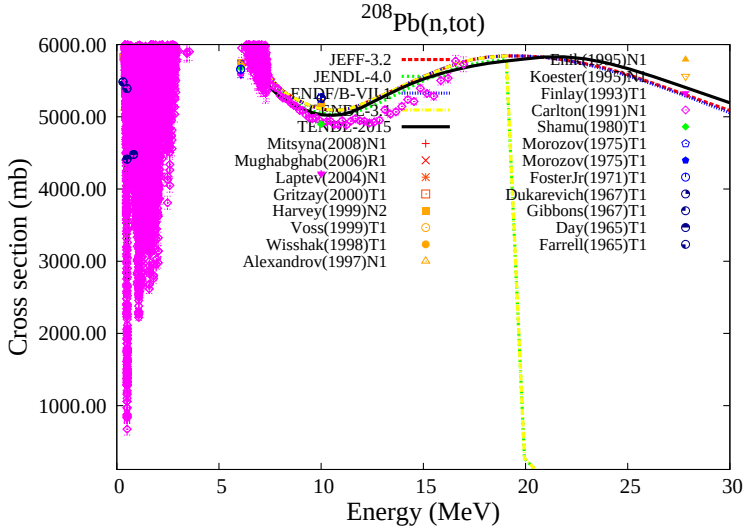
^{207}Pb(n,p)^{207}Tl

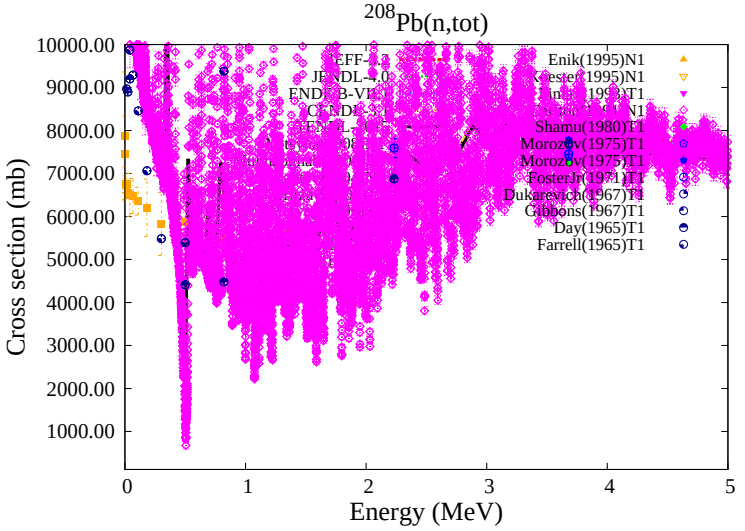


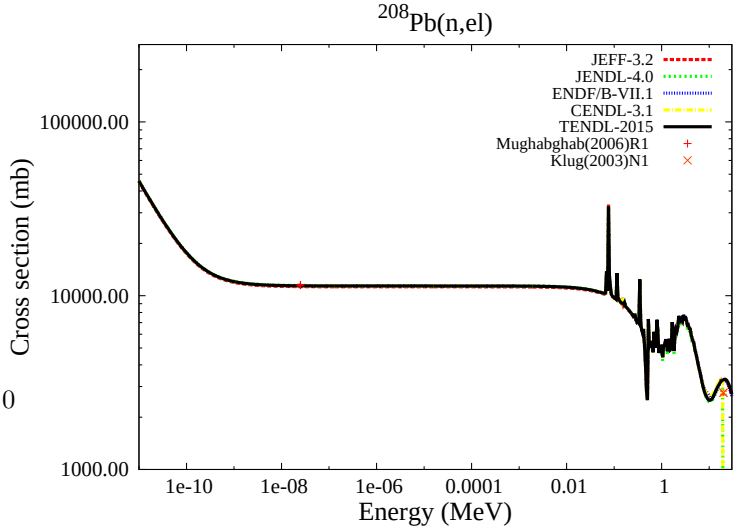

^{207}Pb(n,xg)
TALYS
Lashuk(1996)T2
Cross section (mb)
Energy (MeV)


^{207}Pb(n,xa)
TALYS
Kneff(1985)T2
Cross section (mb)
Energy (MeV)

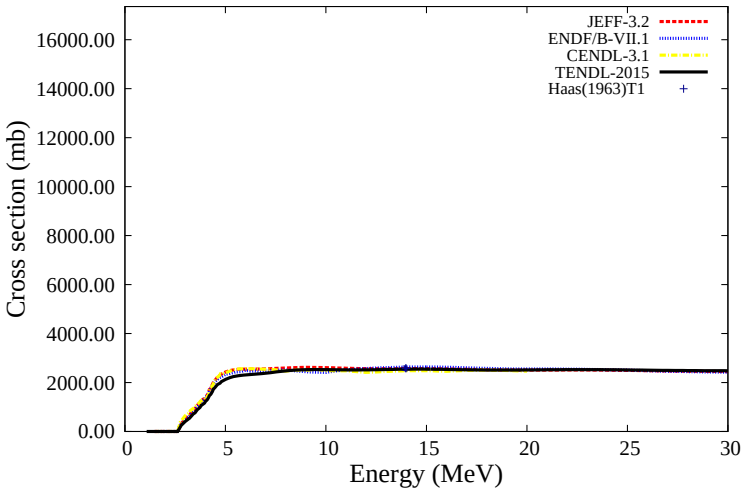

^{208}Pb(n,tot)
JEFF-3.2
JENDL-4.0
ENDF/B-VII.1
CENDL-3.1
TENDL-2015
Mitsyna(2008)N1
Mughabghab(2006)R1
Laptev(2004)N1
Gritzay(2000)T1
Harvey(1999)N2
Voss(1999)T1
Wisshak(1998)T1
Alexandrov(1997)N1
Enik(1995)N1
Koester(1995)N1
Finlay(1993)T1
Carlton(1991)N1
Shamu(1980)T1
Morozov(1975)T1
Morozov(1975)T1
FosterJr(1971)T1
Dukarevich(1967)T1
Gibbons(1967)T1
Day(1965)T1
Farrell(1965)T1
Cross section (mb)
Energy (MeV)


^{208}Pb(n,tot)
JEFF-3.2
JENDL-4.0
ENDF/B-VII.1
CENDL-3.1
TENDL-2015
Mitsyna(2008)N1
Mughabghab(2006)R1
Laptev(2004)N1
Gritzay(2000)T1
Harvey(1999)N2
Voss(1999)T1
Wisshak(1998)T1
Alexandrov(1997)N1
Enik(1995)N1
Koester(1995)N1
Finlay(1993)T1
Carlton(1991)N1
Shamu(1980)T1
Morozov(1975)T1
Morozov(1975)T1
FosterJr(1971)T1
Dukarevich(1967)T1
Gibbons(1967)T1
Day(1965)T1
Farrell(1965)T1
Cross section (mb)
Energy (MeV)

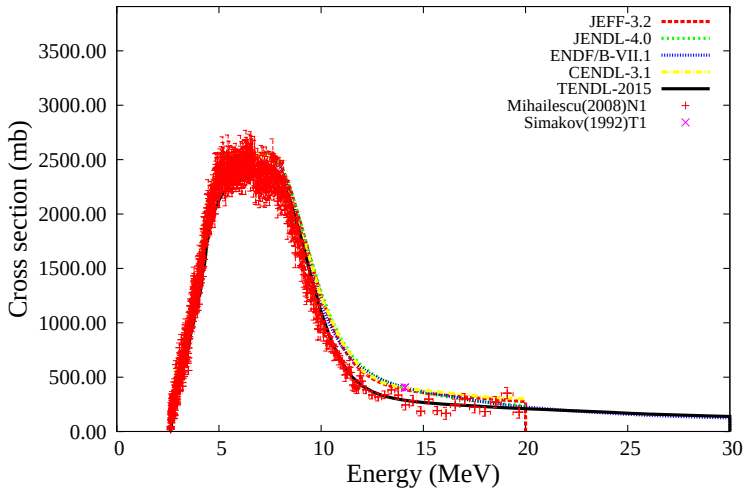

^{208}Pb(n,tot)
Enik(1995)N1
Shamu(1980)T1
Morozov(1975)T1
Morozov(1975)T1
FosterJr(1971)T1
Dukarevich(1967)T1
Gibbons(1967)T1
Day(1965)T1
Farrell(1965)T1
Cross section (mb)
Energy (MeV)


^{208}Pb(n,el)
JEFF-3.2
JENDL-4.0
ENDF/B-VII.1
CENDL-3.1
TENDL-2015
Mughabghab(2006)R1
Klug(2003)N1
Cross section (mb)
Energy (MeV)

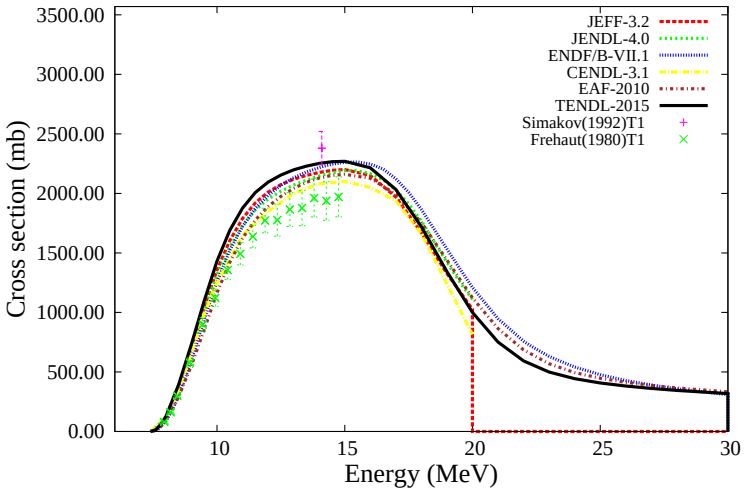
^{208}Pb(n,non)



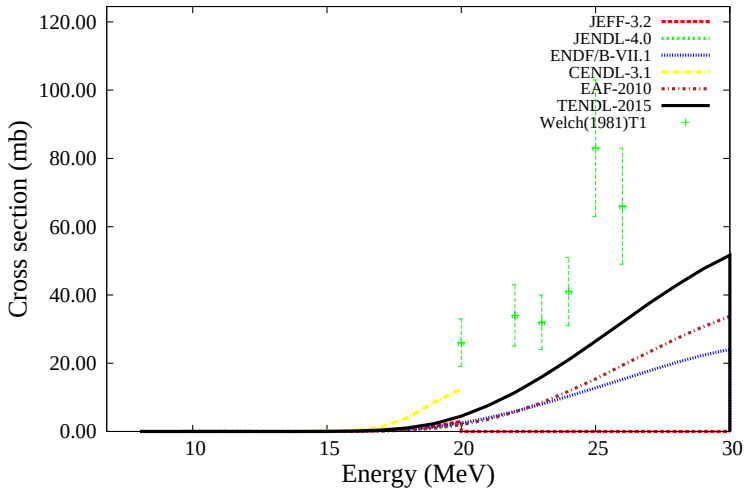
^{208}Pb(n,n)^{208}Pb



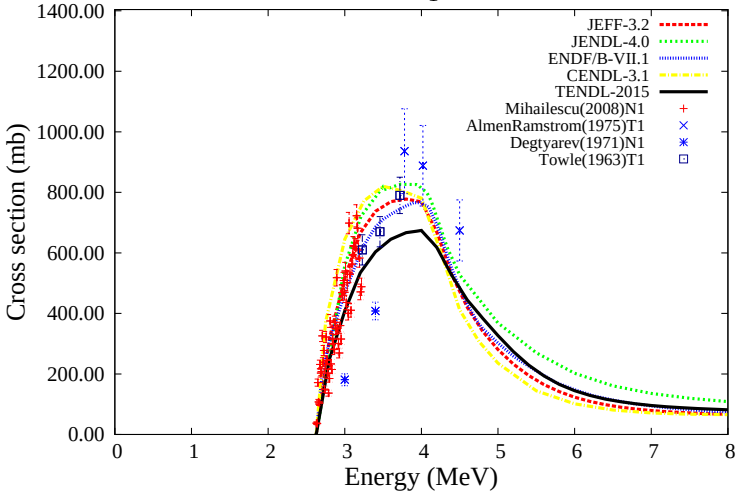
^{208}Pb(n,2n)^{207}Pb



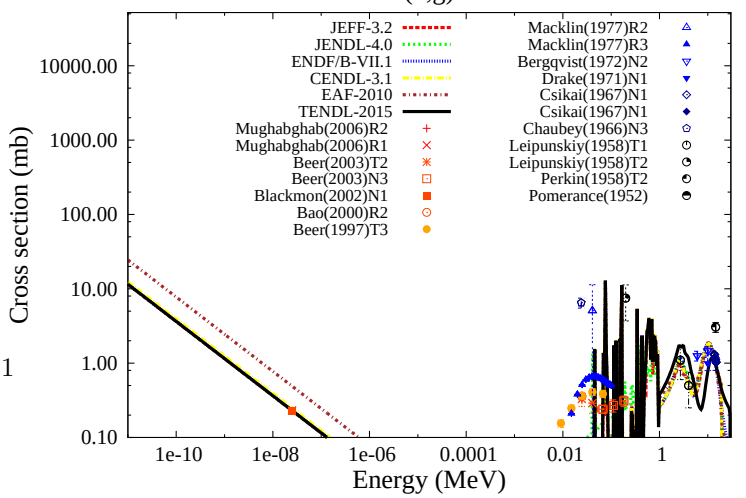
^{208}Pb(n,np)^{207}Tl

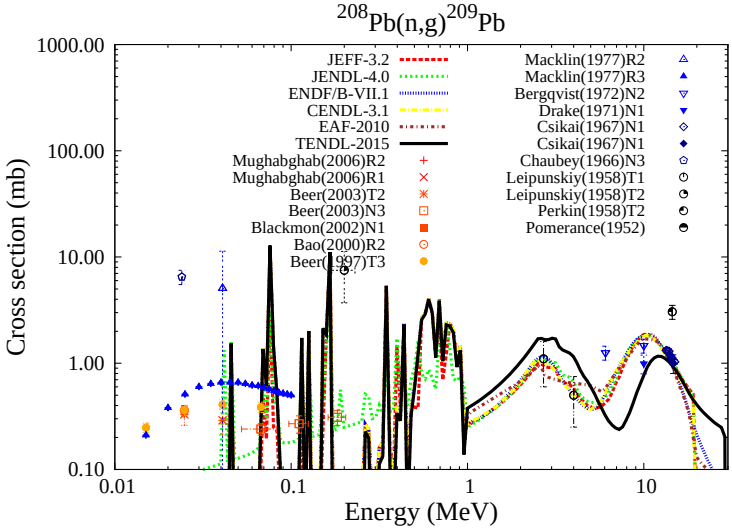


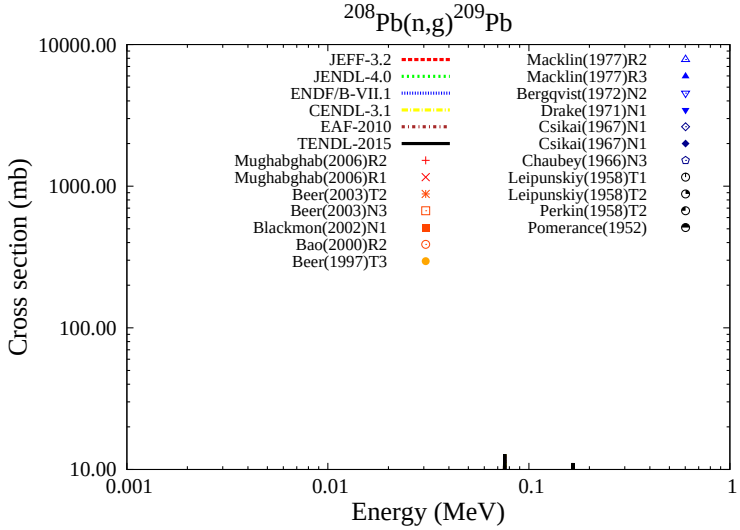
^{208}Pb(n,n$_1$')^{208}Pb

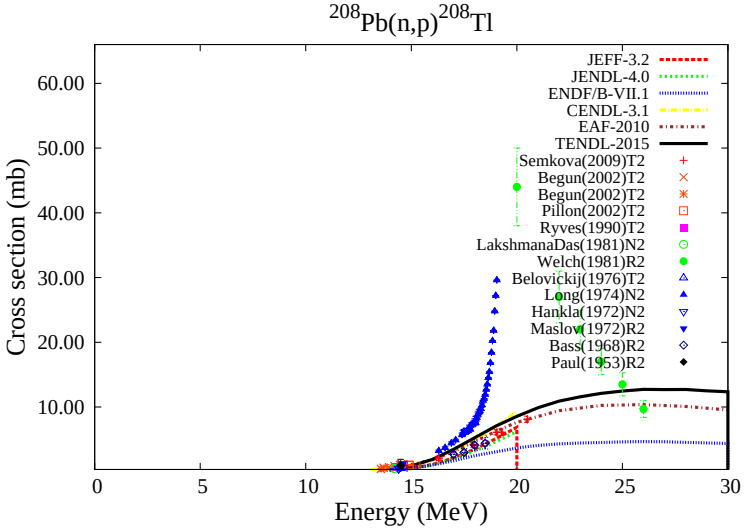


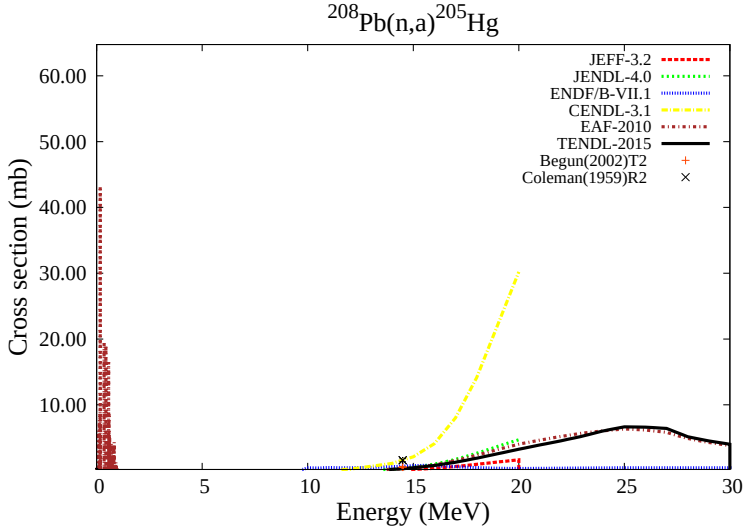
^{208}Pb(n,g)^{209}Pb

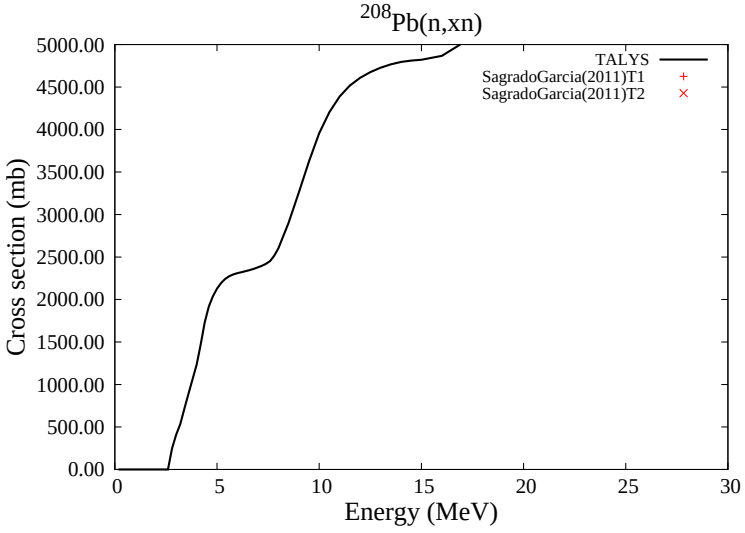


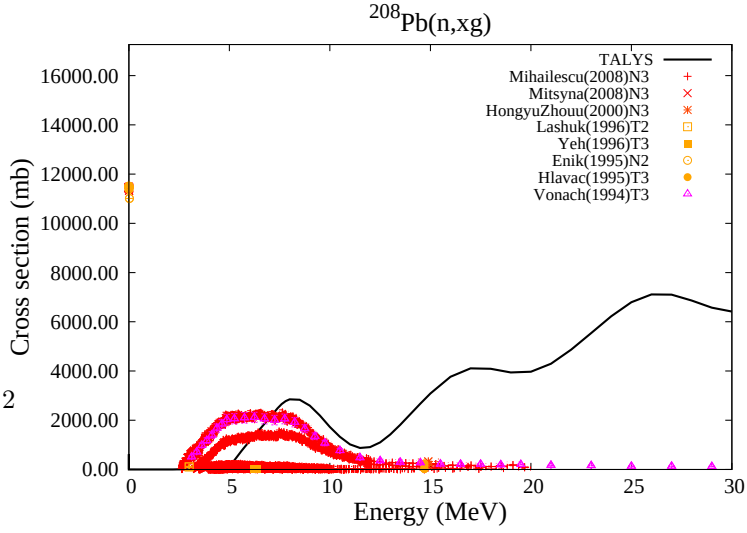

^{208}Pb(n,g)^{209}Pb
Cross section (mb)
Energy (MeV)
JEFF-3.2
JENDL-4.0
ENDF/B-VII.1
CENDL-3.1
EAF-2010
TENDL-2015
Mughabghab(2006)R2
Mughabghab(2006)R1
Beer(2003)T2
Beer(2003)N3
Blackmon(2002)N1
Bao(2000)R2
Beer(1997)T3
Macklin(1977)R2
Macklin(1977)R3
Bergqvist(1972)N2
Drake(1971)N1
Csikai(1967)N1
Csikai(1967)N1
Chaubey(1966)N3
Leipunskiy(1958)T1
Leipunskiy(1958)T2
Perkin(1958)T2
Pomerance(1952)

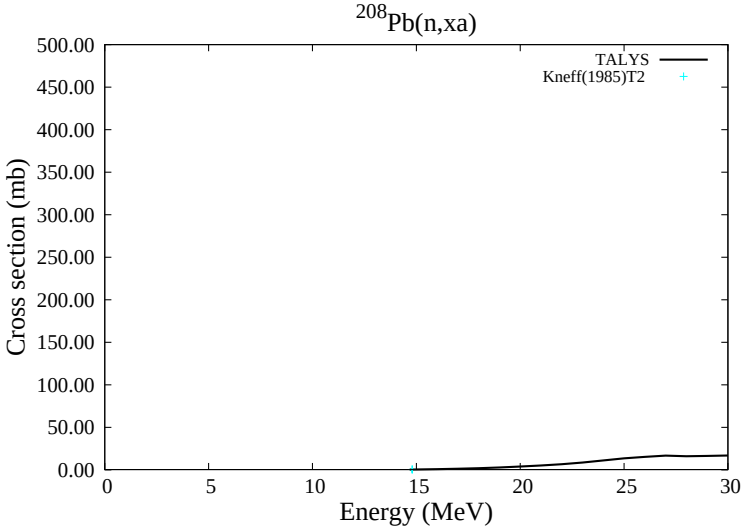

^{208}Pb(n,g)^{209}Pb
Cross section (mb)
Energy (MeV)
JEFF-3.2
JENDL-4.0
ENDF/B-VII.1
CENDL-3.1
EAF-2010
TENDL-2015
Mughabghab(2006)R2
Mughabghab(2006)R1
Beer(2003)T2
Beer(2003)N3
Blackmon(2002)N1
Bao(2000)R2
Beer(1997)T3
Macklin(1977)R2
Macklin(1977)R3
Bergqvist(1972)N2
Drake(1971)N1
Csikai(1967)N1
Csikai(1967)N1
Chaubey(1966)N3
Leipunskiy(1958)T1
Leipunskiy(1958)T2
Perkin(1958)T2
Pomerance(1952)

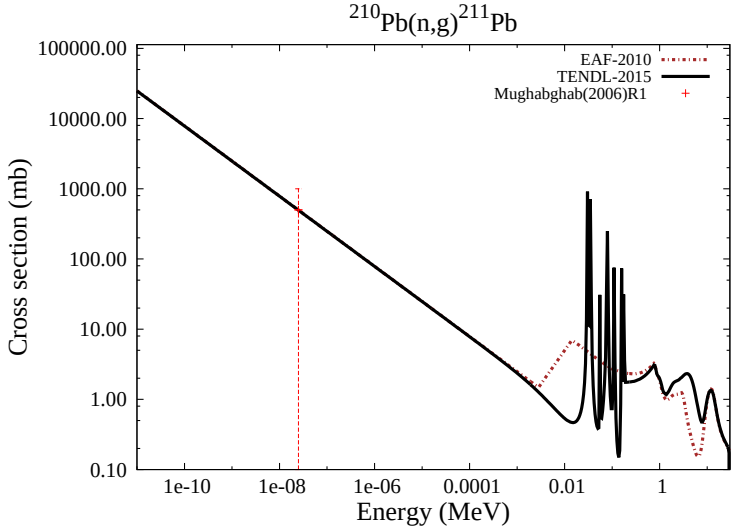

^{208}Pb(n,p)^{208}Tl
Cross section (mb)
Energy (MeV)
JEFF-3.2
JENDL-4.0
ENDF/B-VII.1
CENDL-3.1
EAF-2010
TENDL-2015
Semkova(2009)T2
Begun(2002)T2
Begun(2002)T2
Pillon(2002)T2
Ryves(1990)T2
LakshmanaDas(1981)N2
Welch(1981)R2
Belovickij(1976)T2
Long(1974)N2
Hankla(1972)N2
Maslov(1972)R2
Bass(1968)R2
Paul(1953)R2

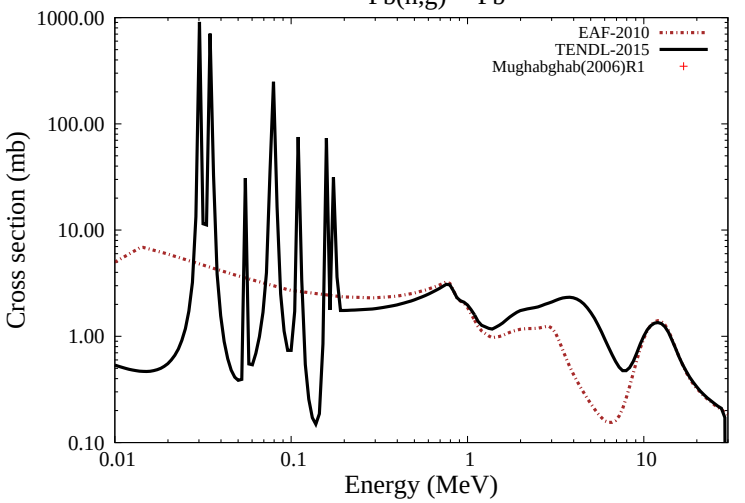

^{208}Pb(n,a)^{205}Hg
Cross section (mb)
Energy (MeV)
JEFF-3.2
JENDL-4.0
ENDF/B-VII.1
CENDL-3.1
EAF-2010
TENDL-2015
Begun(2002)T2
Coleman(1959)R2

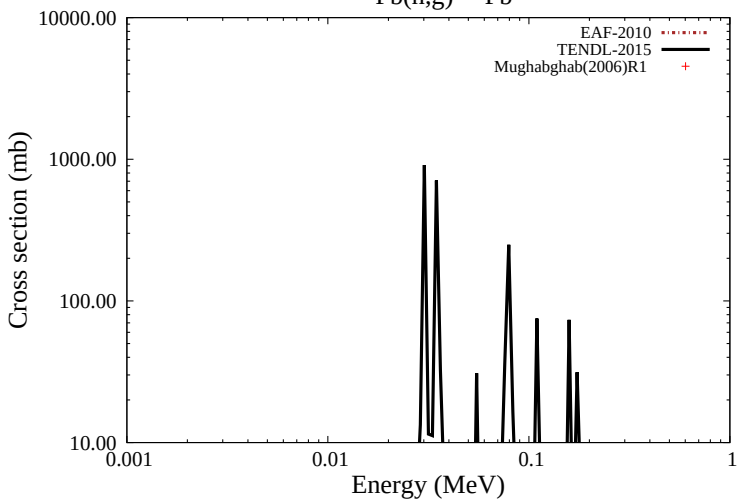

^{208}Pb(n,xn)
Cross section (mb)
Energy (MeV)
TALYS
SagradoGarcia(2011)T1
SagradoGarcia(2011)T2


^{208}Pb(n,xg)
Cross section (mb)
Energy (MeV)
TALYS
Mihailescu(2008)N3
Mitsyna(2008)N3
HongyuZhouu(2000)N3
Lashuk(1996)T2
Yeh(1996)T3
Enik(1995)N2
Hlavac(1995)T3
Vonach(1994)T3


^{208}Pb(n,xa)
TALYS
Kneff(1985)T2
Cross section (mb)
Energy (MeV)
500.00
450.00
400.00
350.00
300.00
250.00
200.00
150.00
100.00
50.00
0.00
0
5
10
15
20
25
30


^{210}Pb(n,g)^{211}Pb
EAF-2010
TENDL-2015
Mughabghab(2006)R1
Cross section (mb)
Energy (MeV)
100000.00
10000.00
1000.00
100.00
10.00
1.00
0.10
1e-10
1e-08
1e-06
0.0001
0.01
1


^{210}Pb(n,g)^{211}Pb
EAF-2010
TENDL-2015
Mughabghab(2006)R1
Cross section (mb)
Energy (MeV)
1000.00
100.00
10.00
1.00
0.10
0.01
0.1
1
10


^{210}Pb(n,g)^{211}Pb
EAF-2010
TENDL-2015
Mughabghab(2006)R1
Cross section (mb)
Energy (MeV)
10000.00
1000.00
100.00
10.00
0.001
0.01
0.1
1