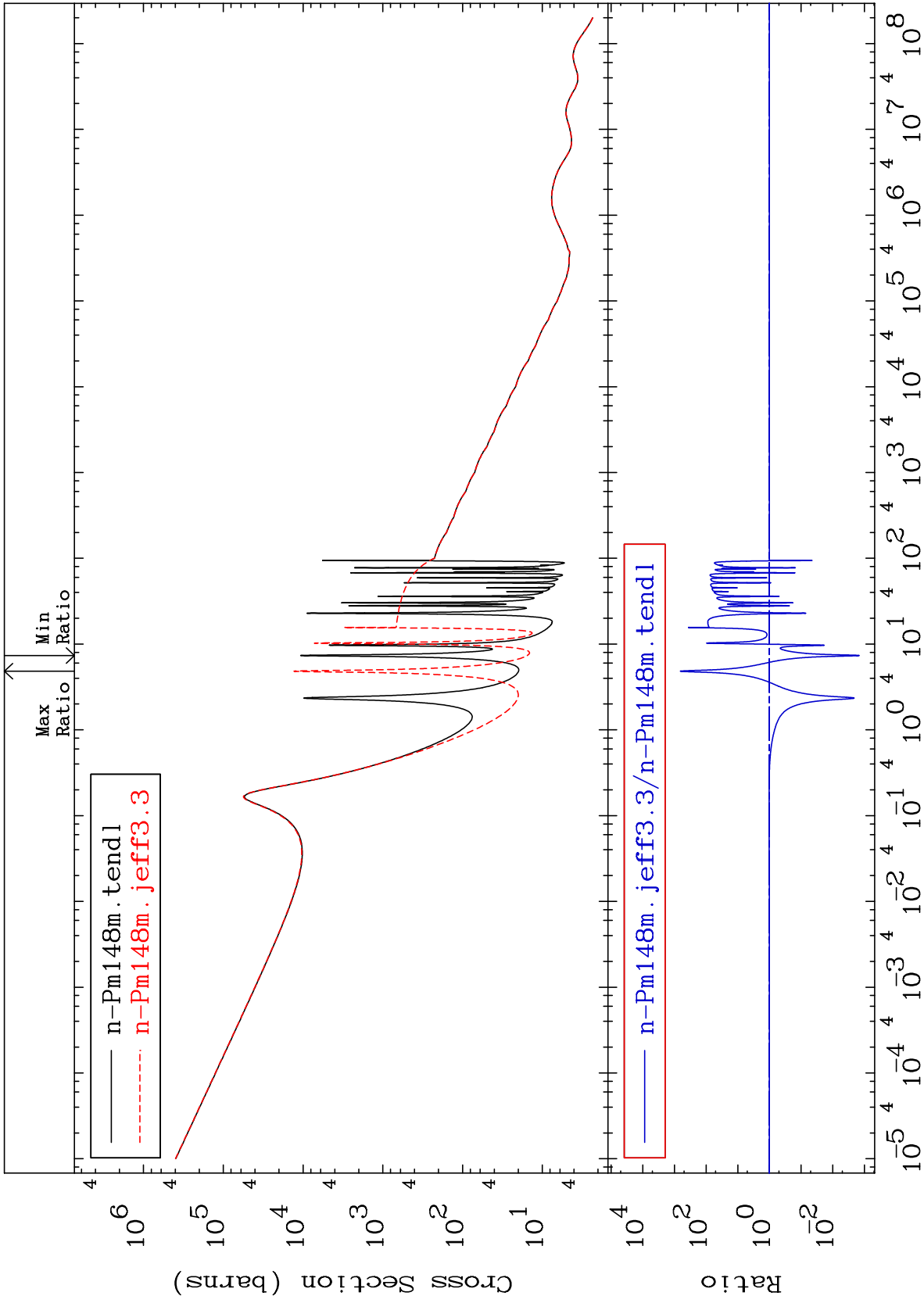


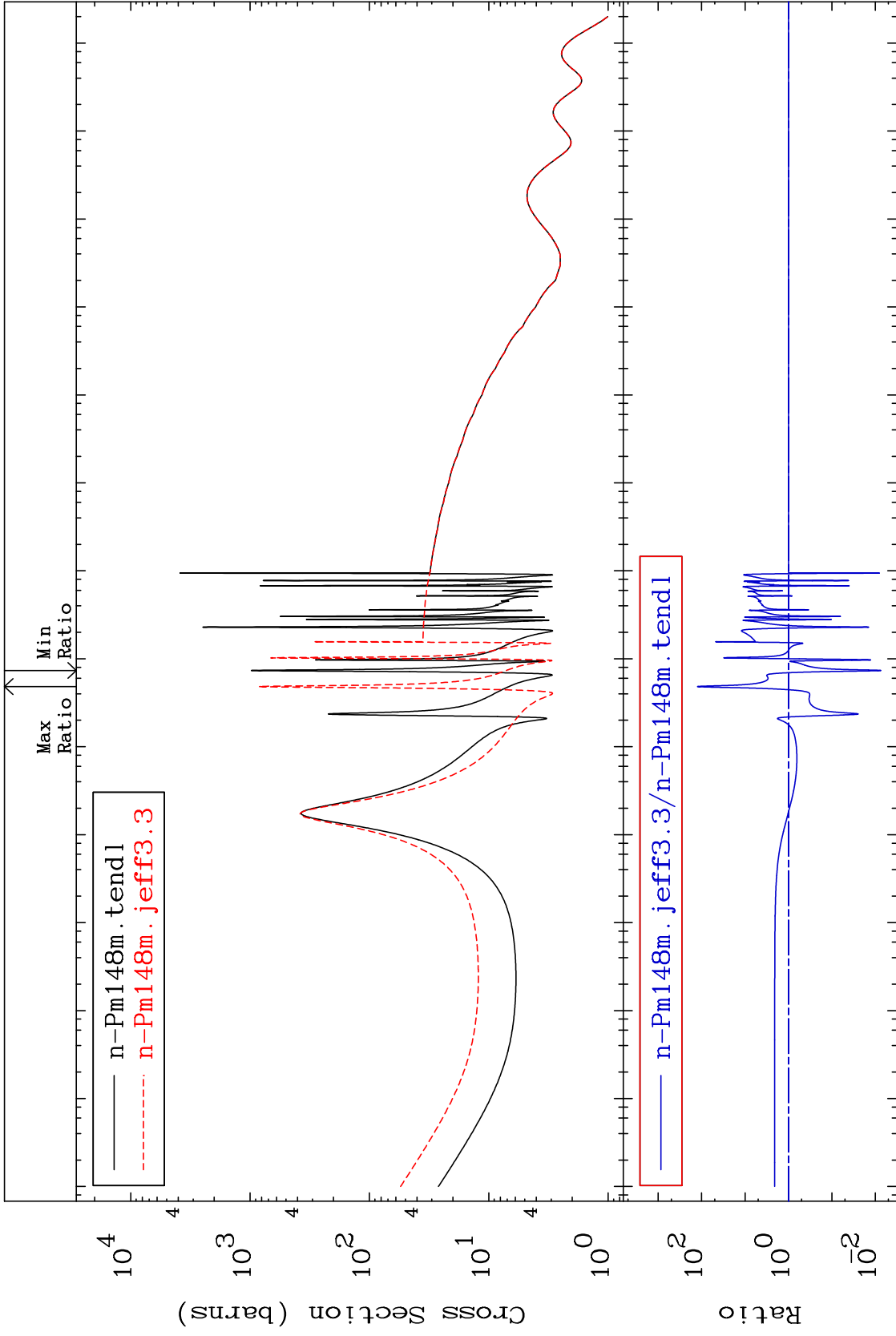
MAT 6153

Total Cross Section
61-Pm-148
-99.86 To 9999. %



61-Pm-148

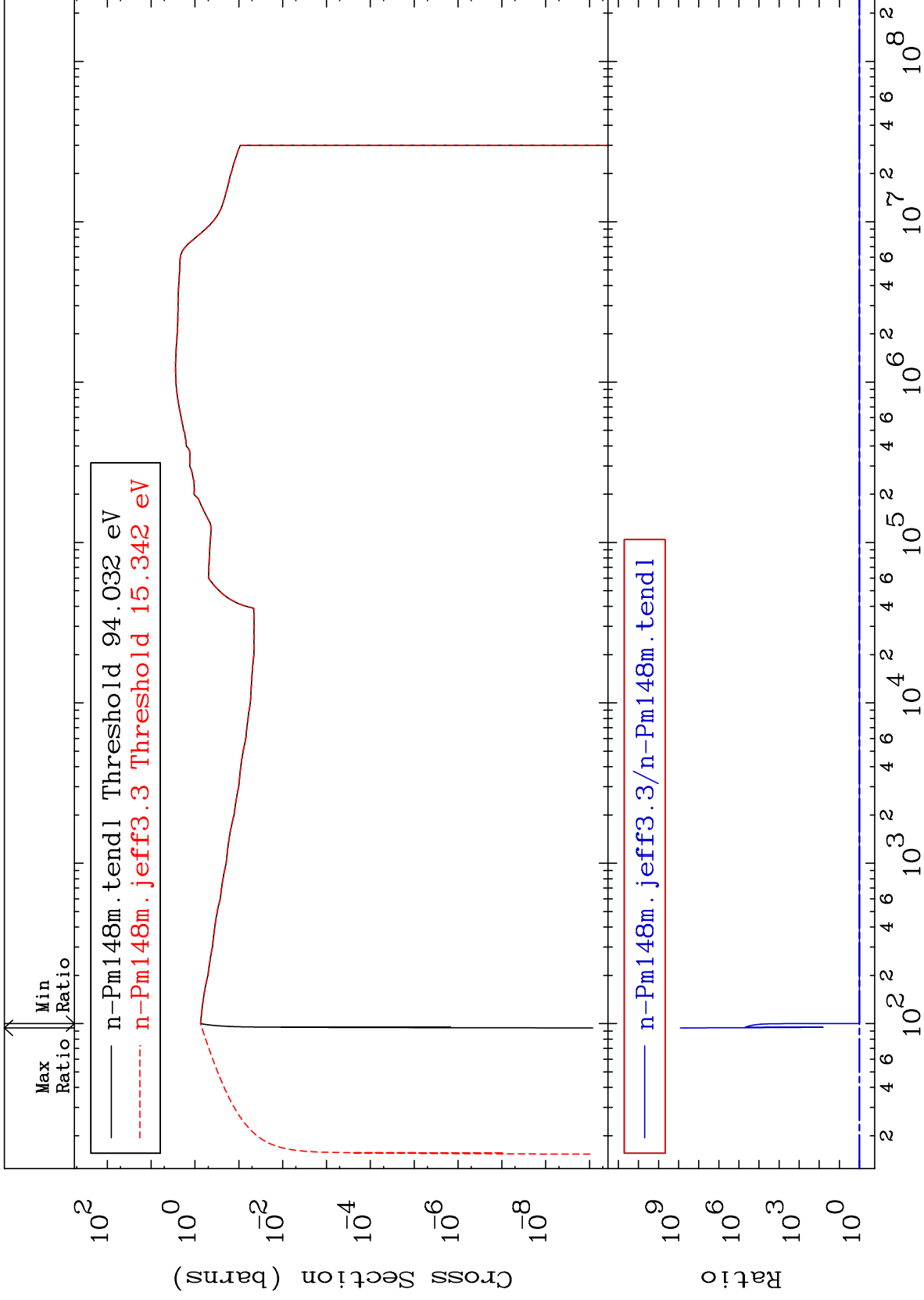
Elastic
Cross Section



MAT 6153

Inelastic
Cross Section

61-Pm-148
-0.060 To 9999. %



MAT 6153

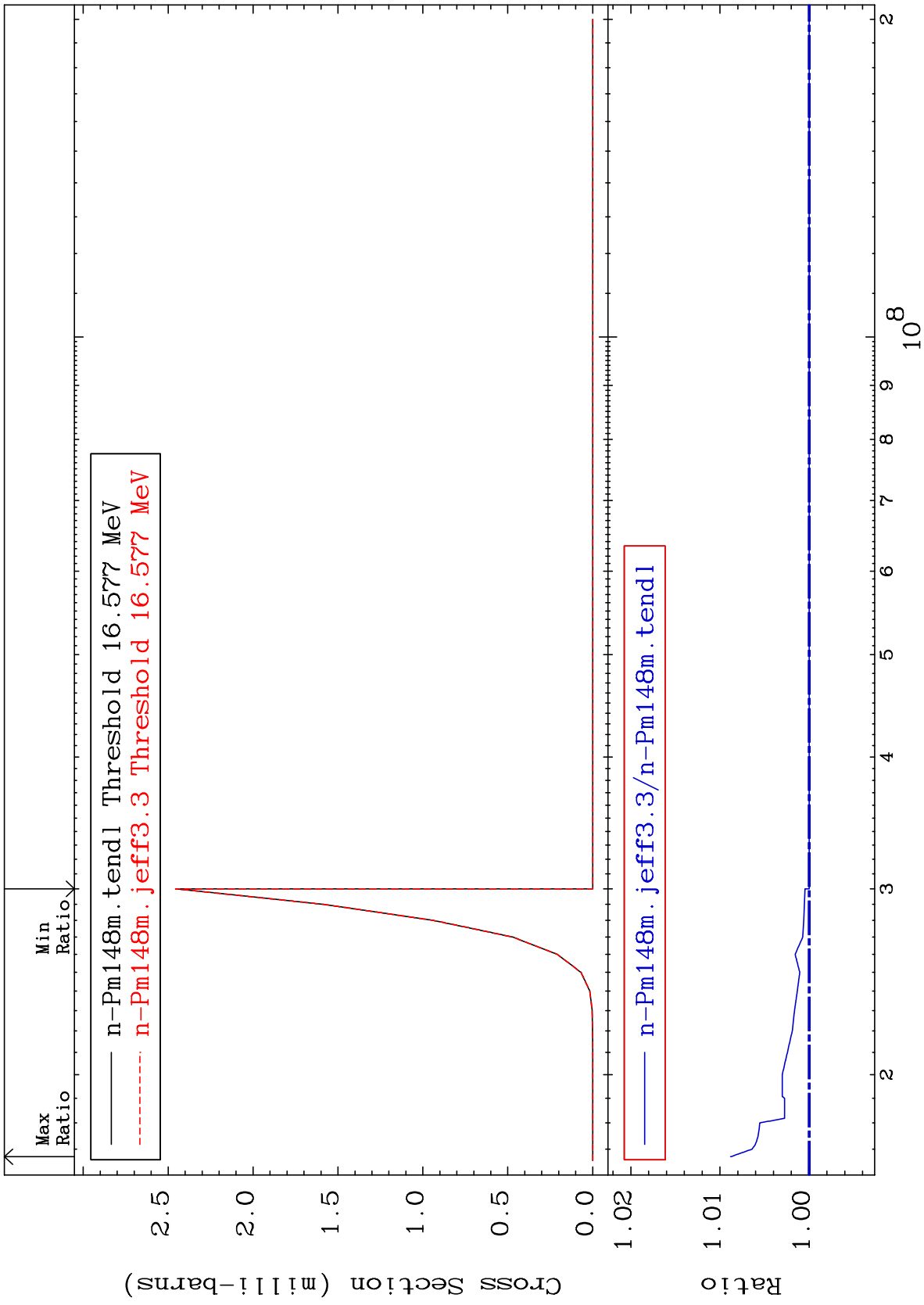
(n,2n) d

61-Pm-148

Cross Section

0.000

To 0.880 %



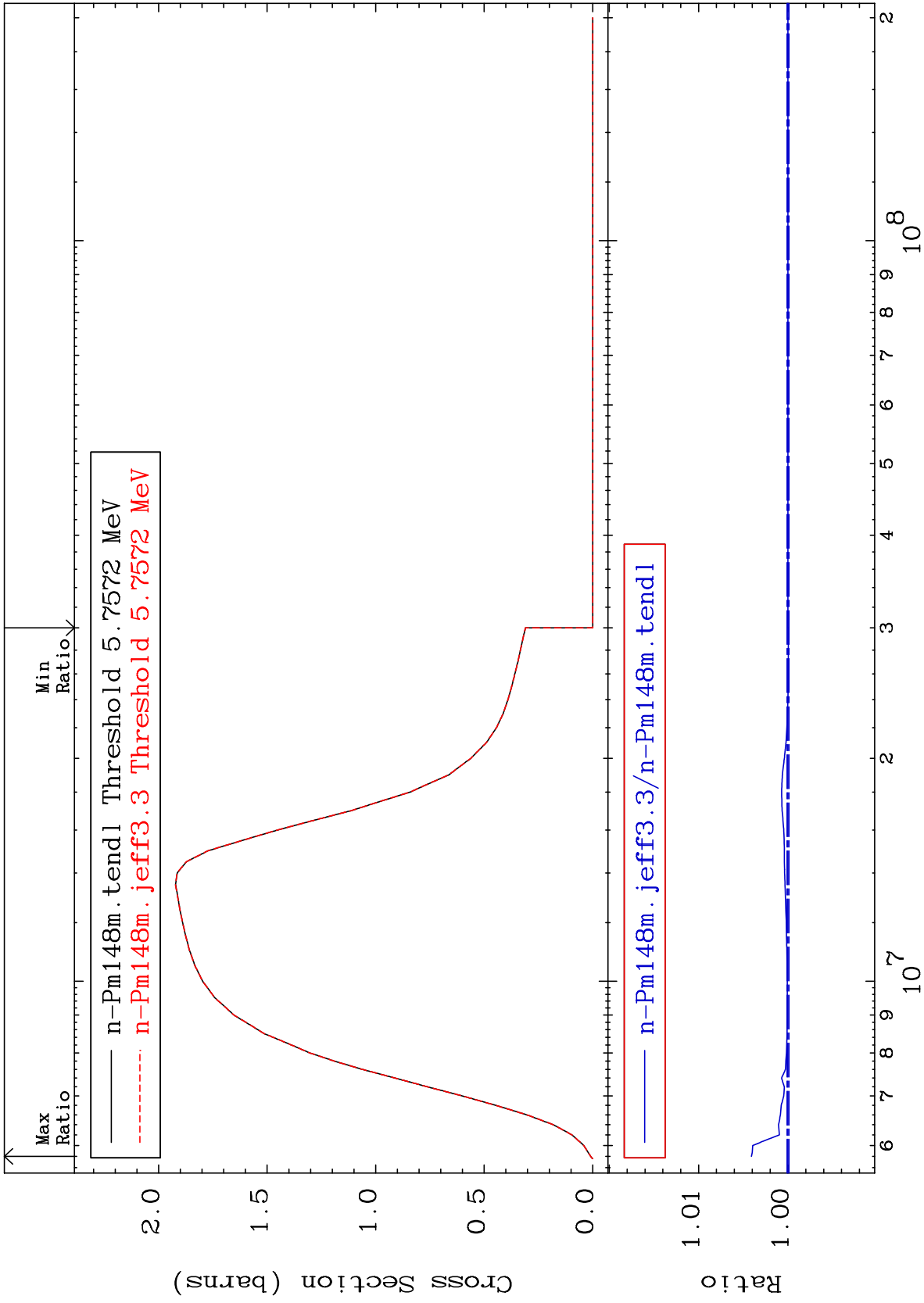
MAT 6153

(n,2n)

61-Pm-148

Cross Section

-0.005 To 0.409 %



5

Incident Energy (eV)

61-Pm-148

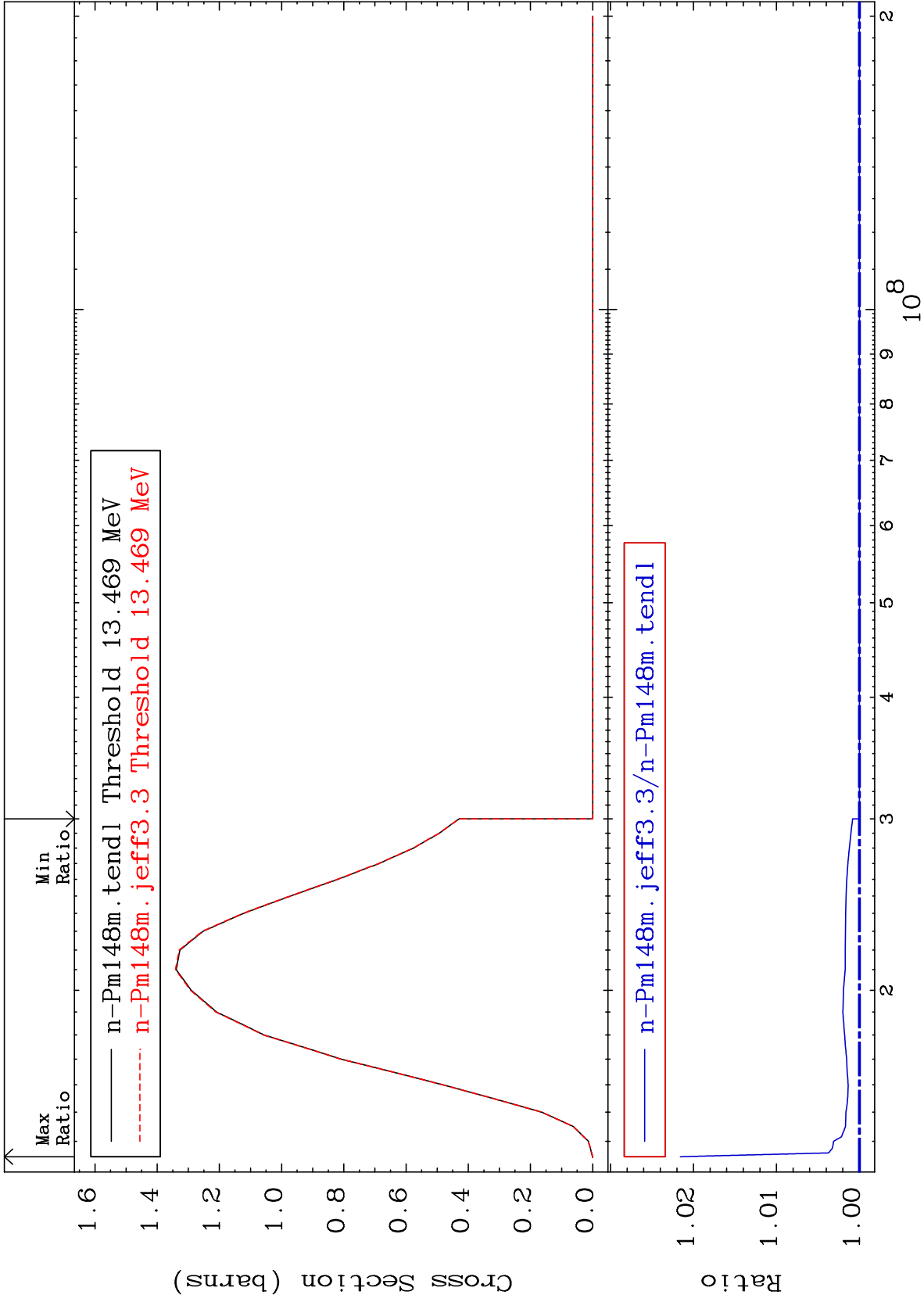
MAT 6153

(n,3n)

61-Pm-148

Cross Section

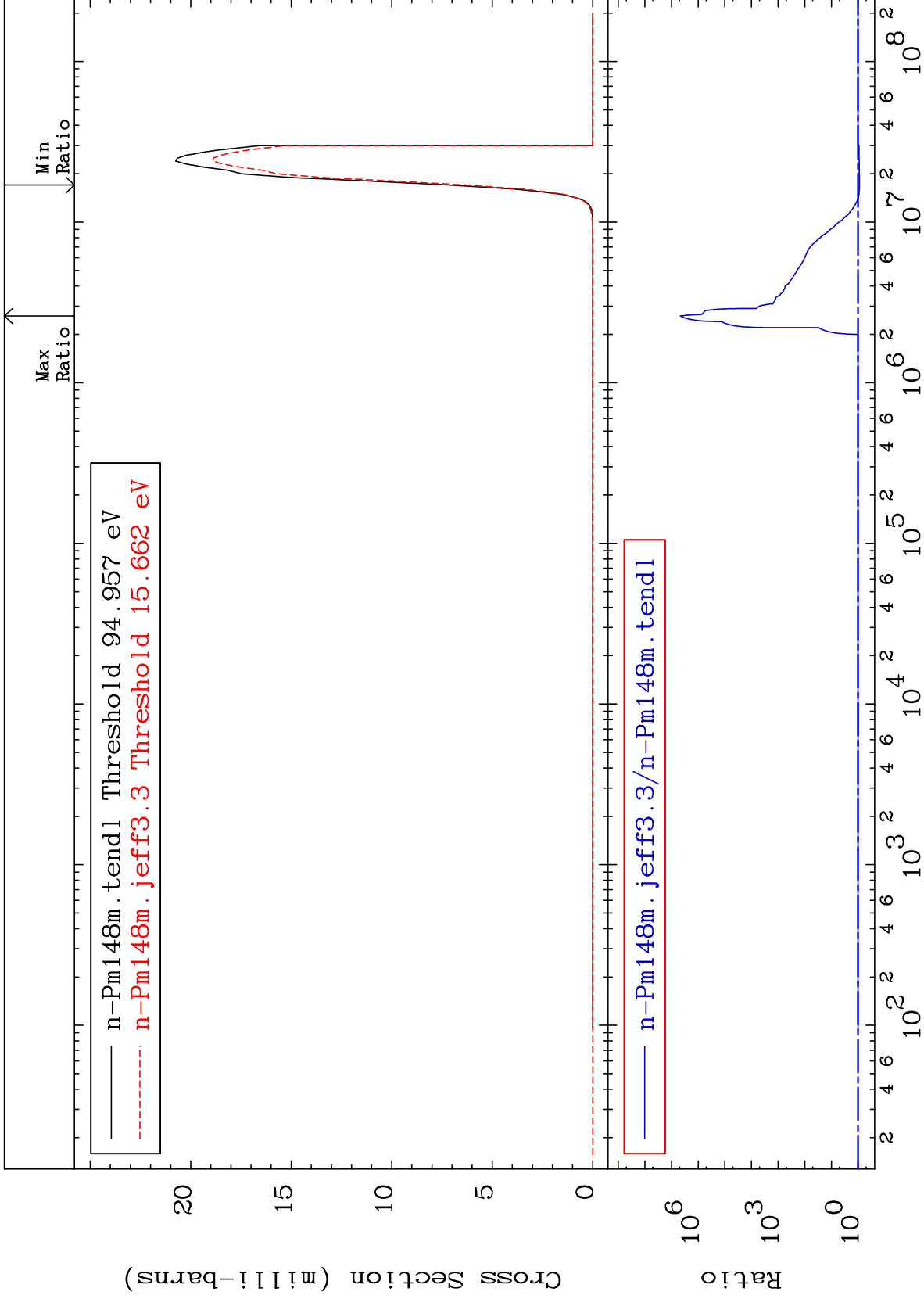
0.000 To 2.158 %



MAT 6153

(n, n') α
Cross Section

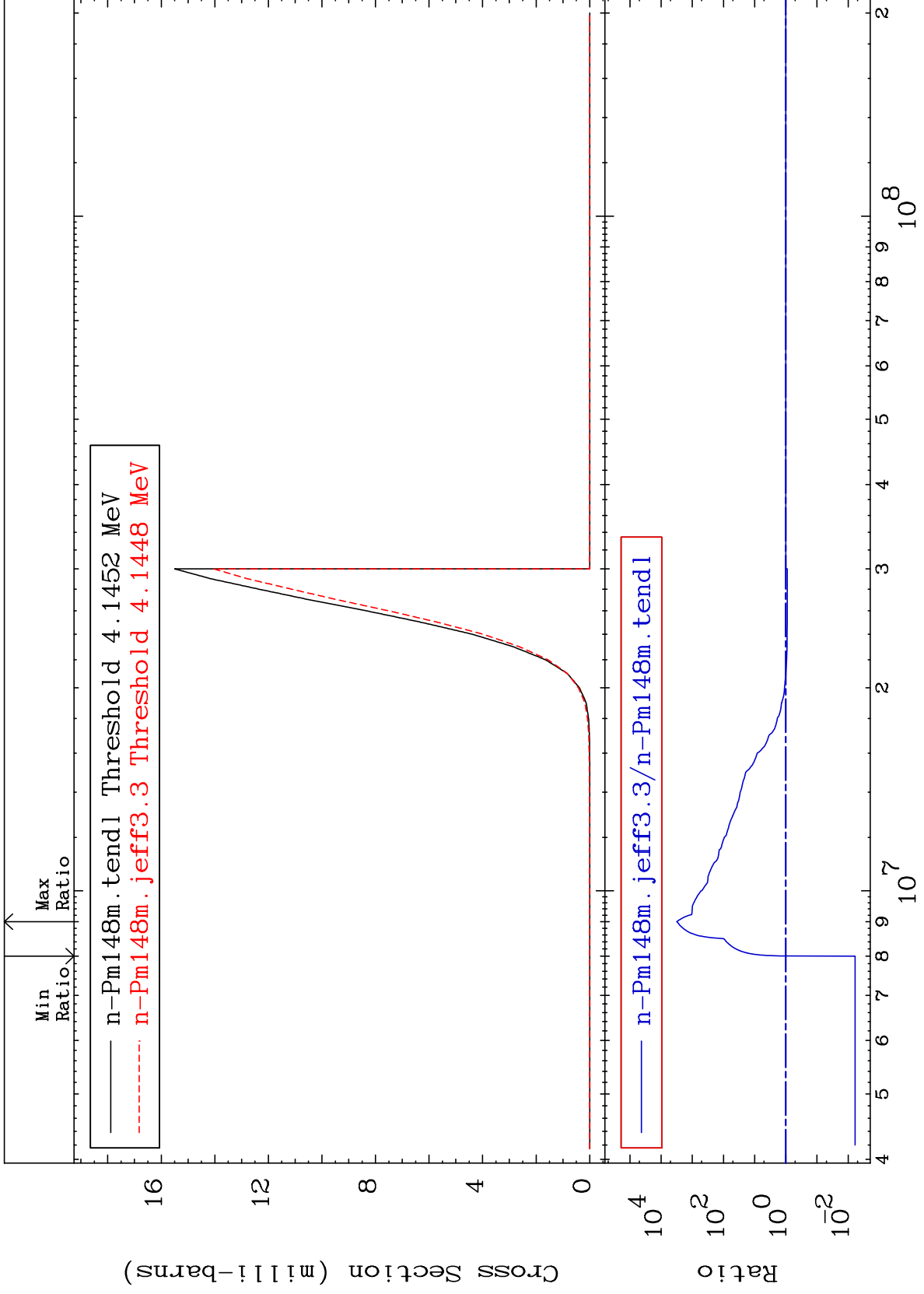
61-Pm-148
-11.12 To 9999. %

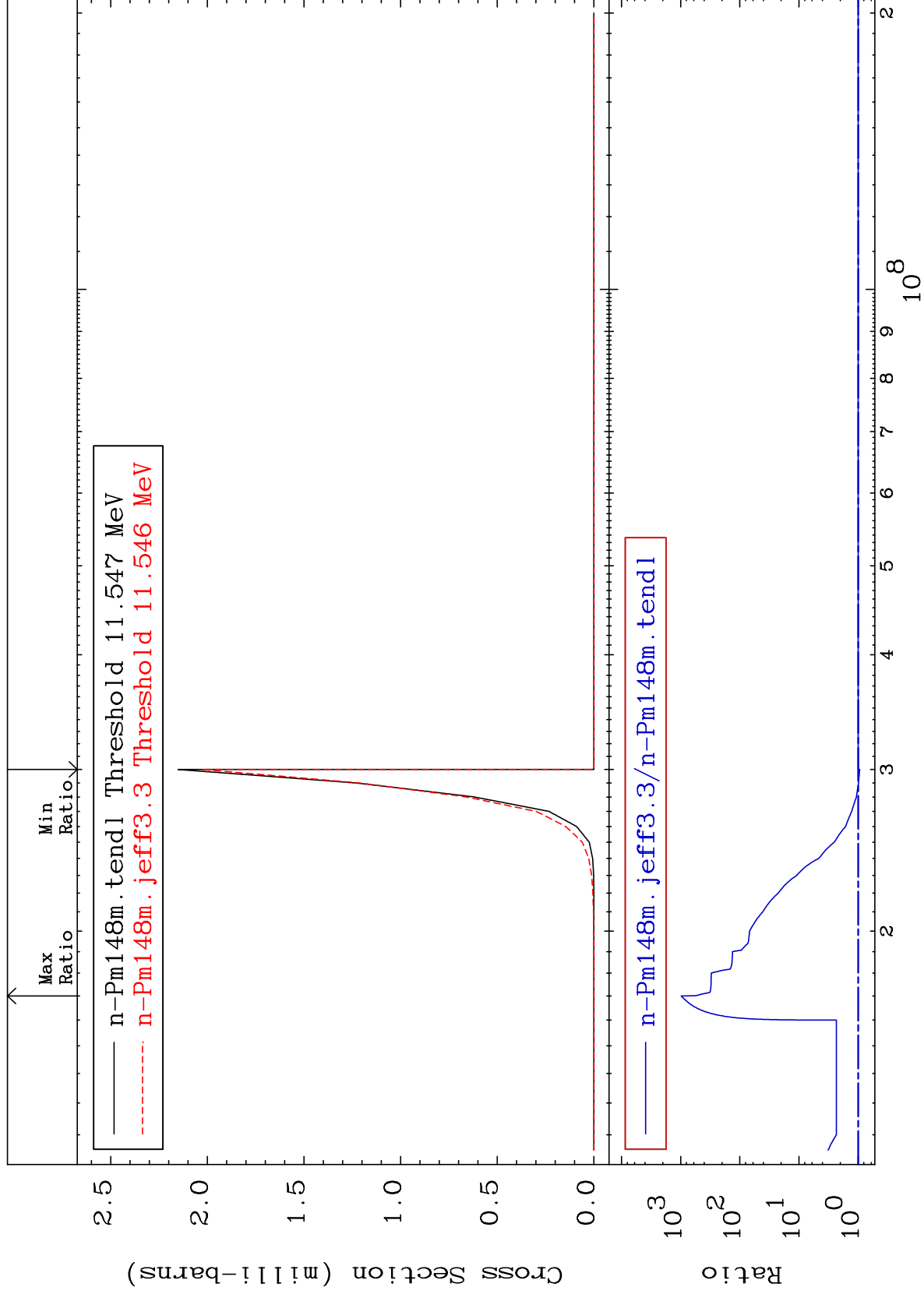


MAT 6153

(n,2n) α
Cross Section

61-Pm-148
-99.40 To 9999. %





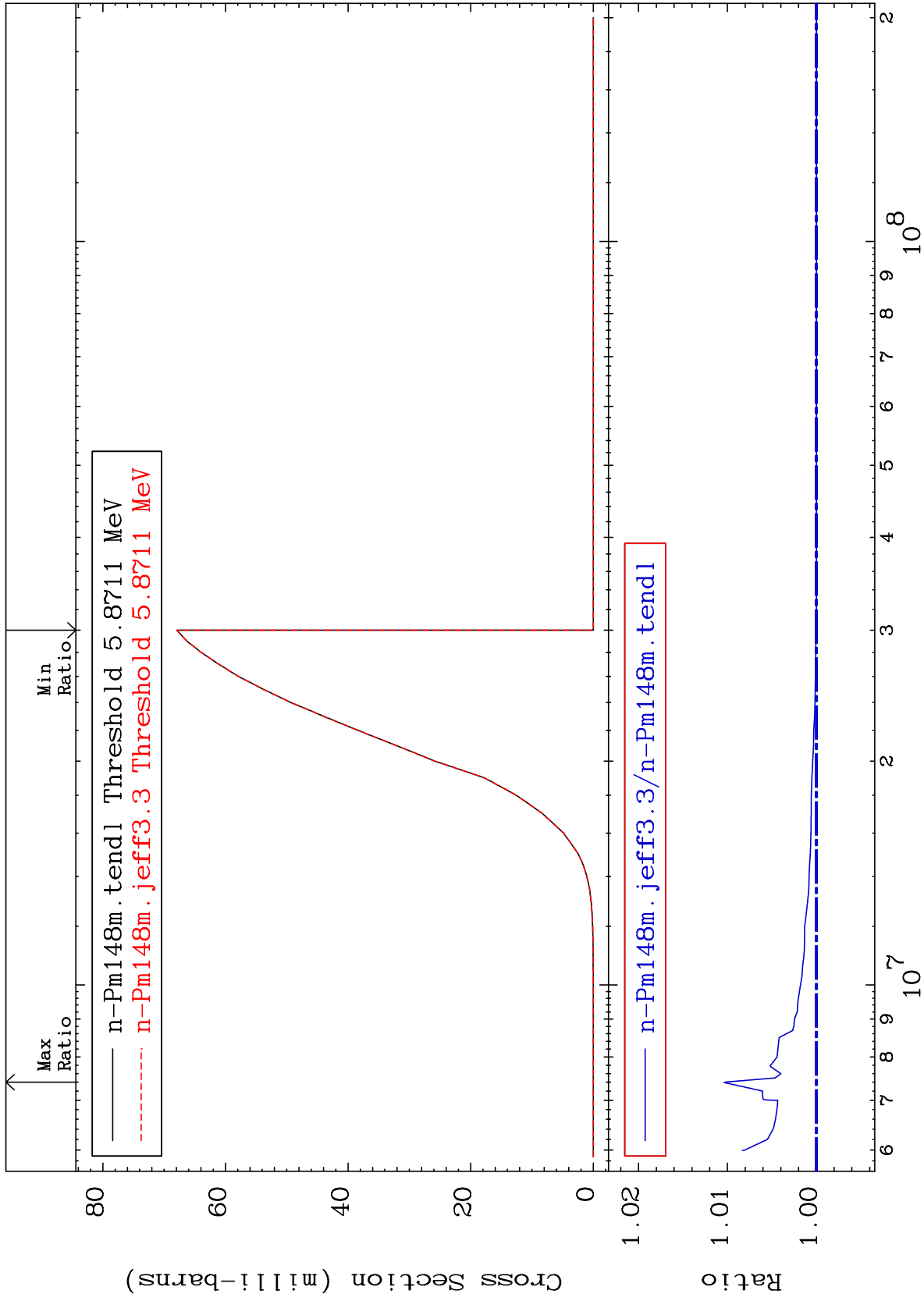
MAT 6153

(n, n') p

61-Pm-148

Cross Section

0.000 To 1.039 %



10

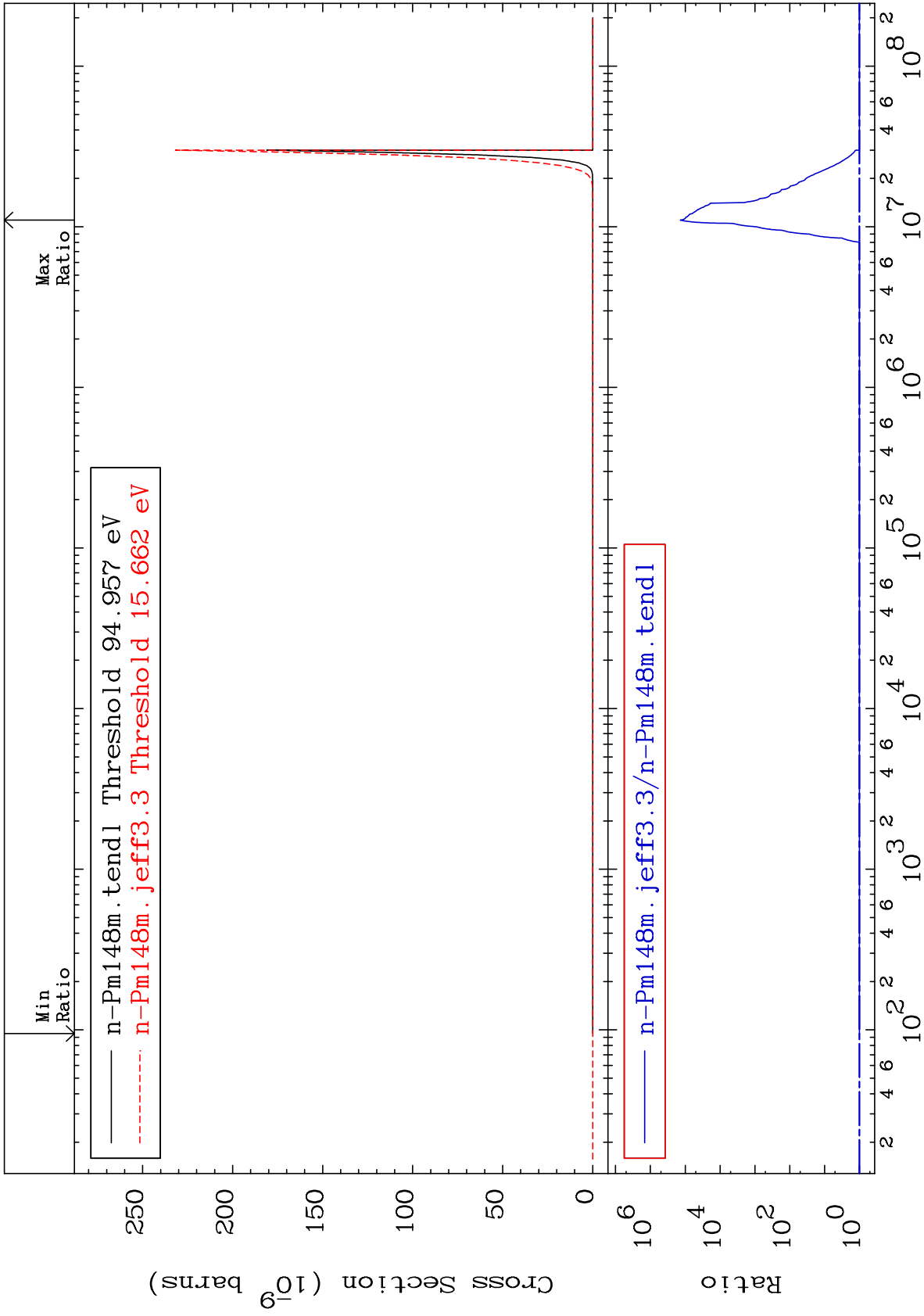
Incident Energy (eV)

61-Pm-148

MAT 6153

(n, n') 2α
Cross Section

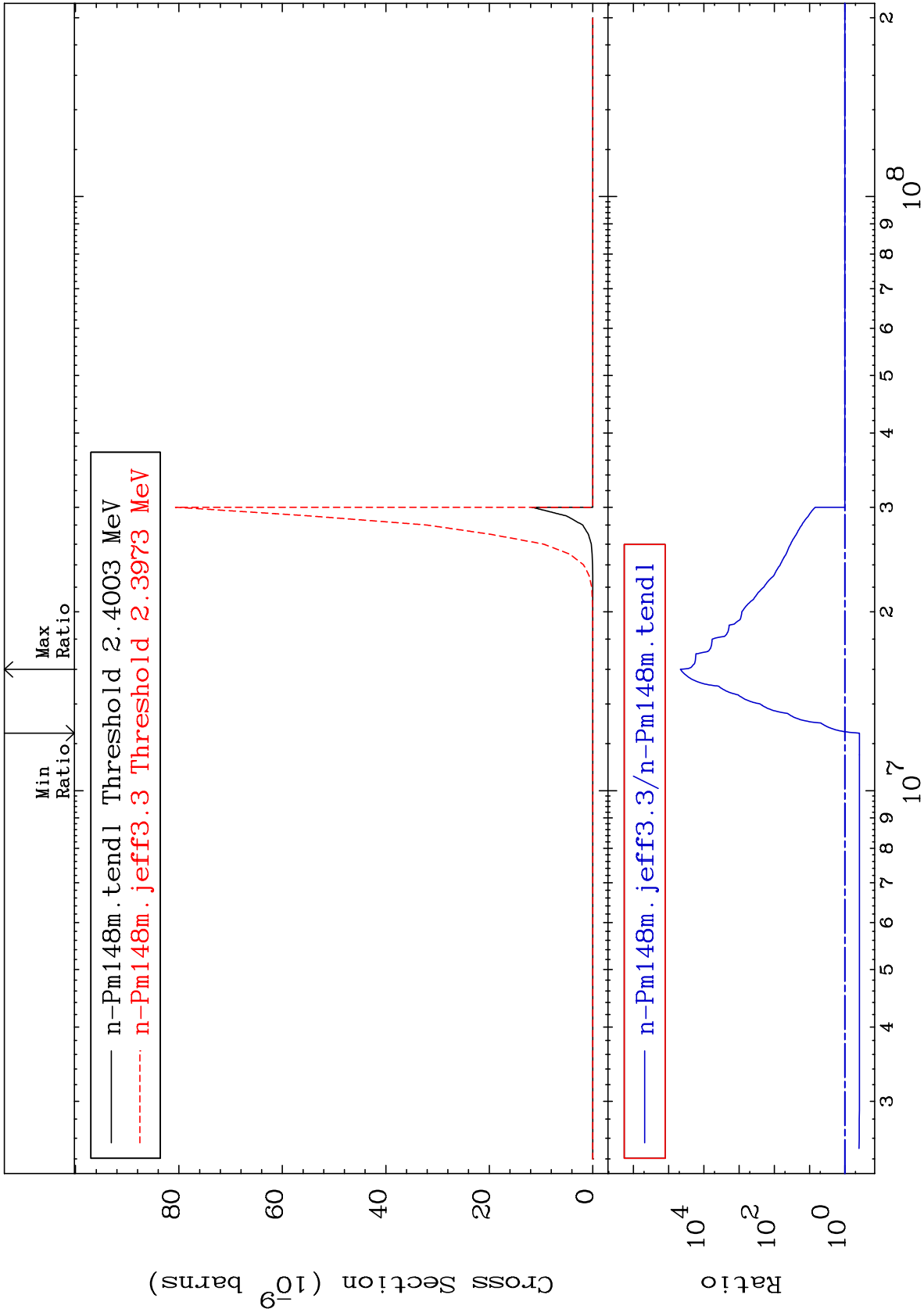
61-Pm-148
To 9999. %



MAT 6153

(n,2n) 2α
Cross Section

61-Pm-148
-61.64 To 9999. %



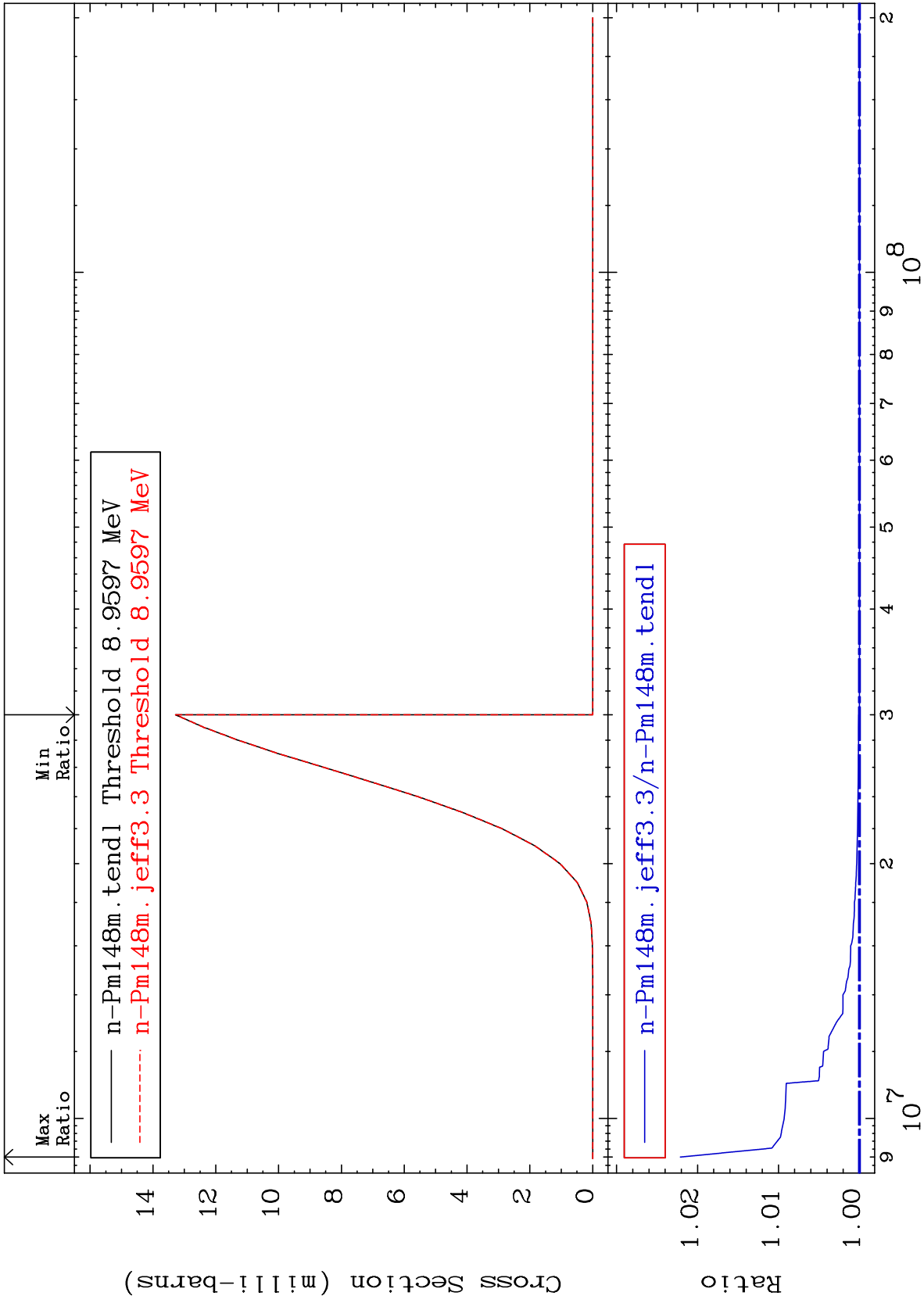
MAT 6153

(n,n') d

61-Pm-148

Cross Section

0.000 To 2.212 %



13

61-Pm-148

61-Pm-148

MAT 6153

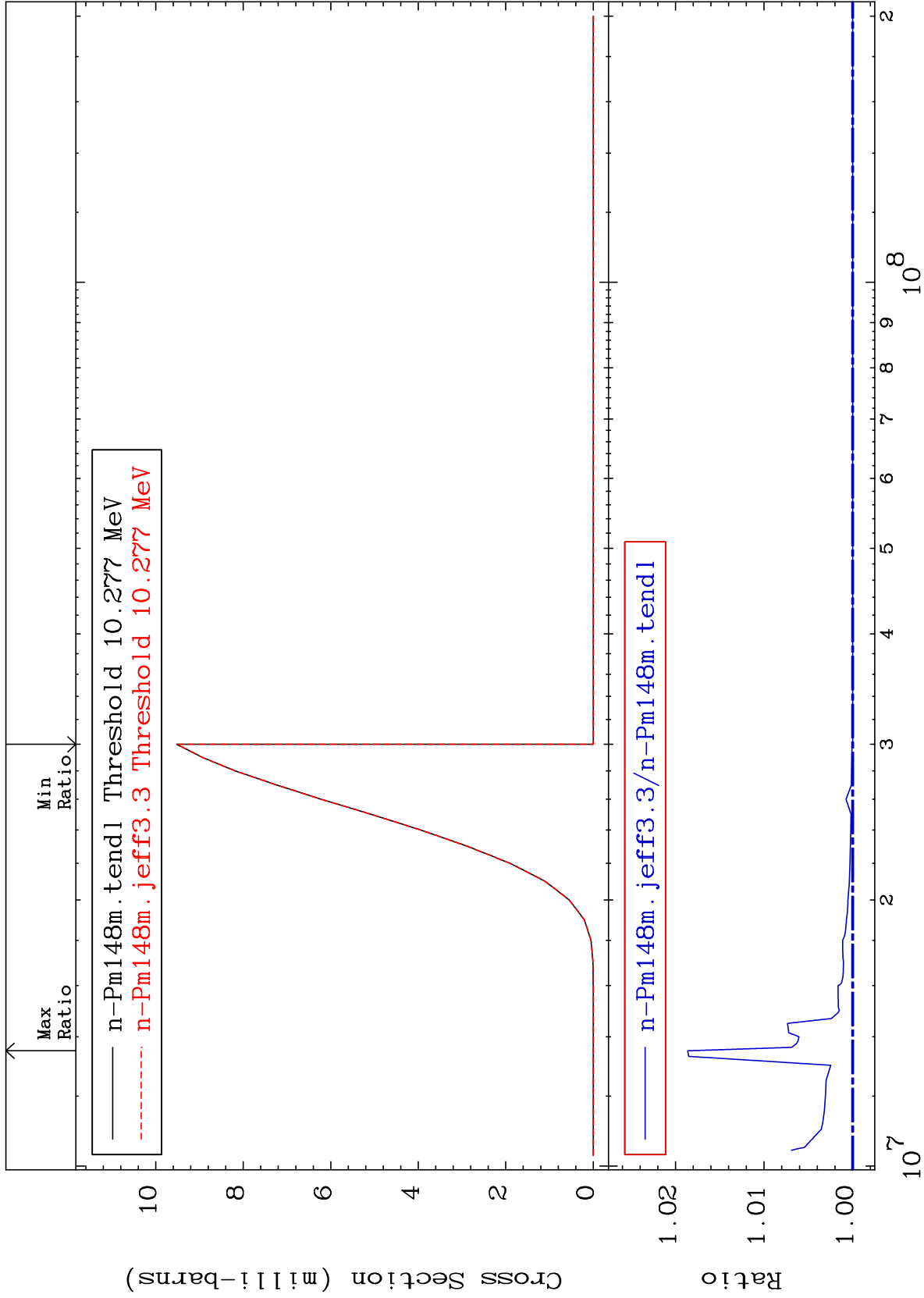
(n,n') t

61-Pm-148

Cross Section

0.000

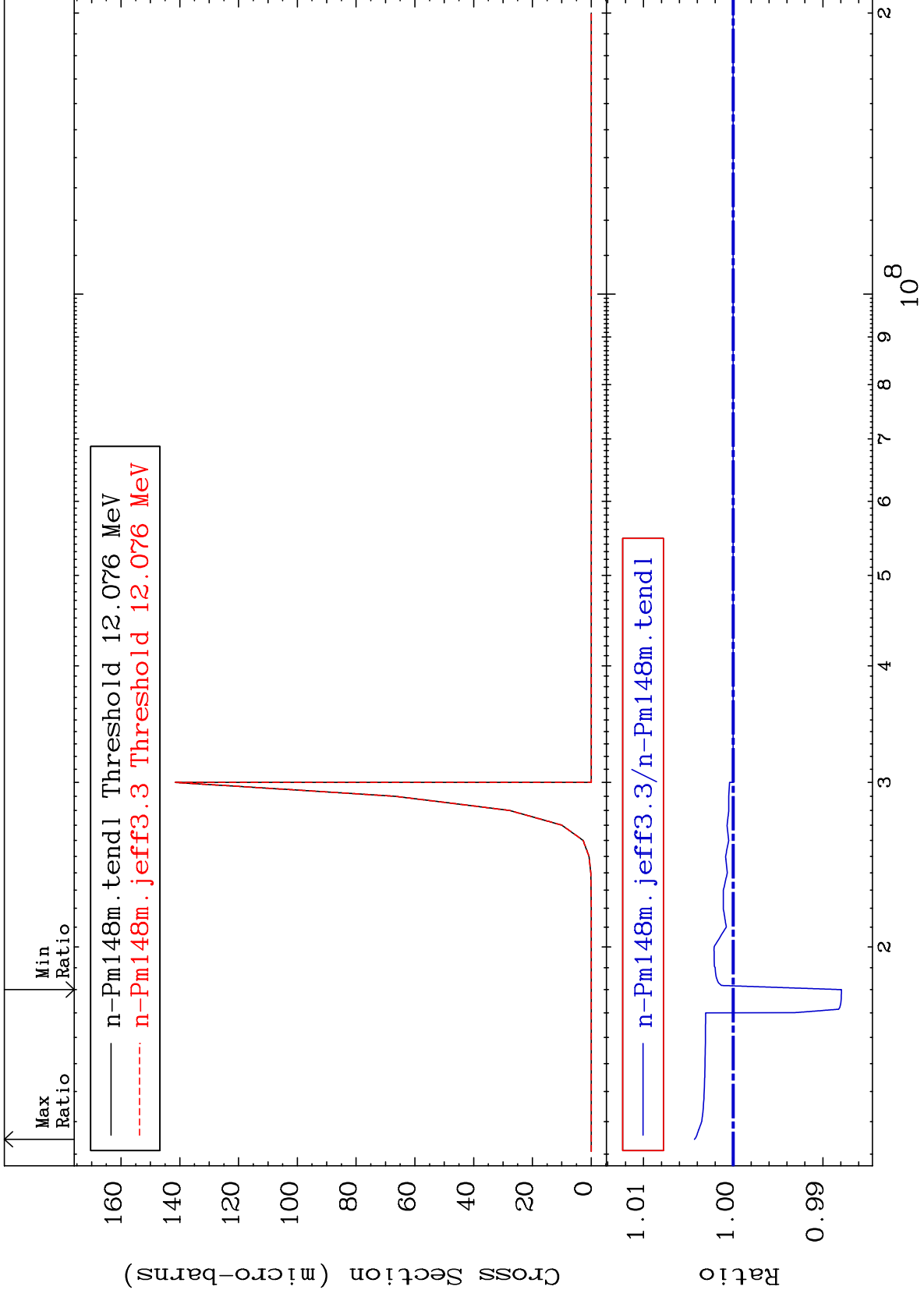
To 1.862 %



14

61-Pm-148

61-Pm-148



MAT 6153

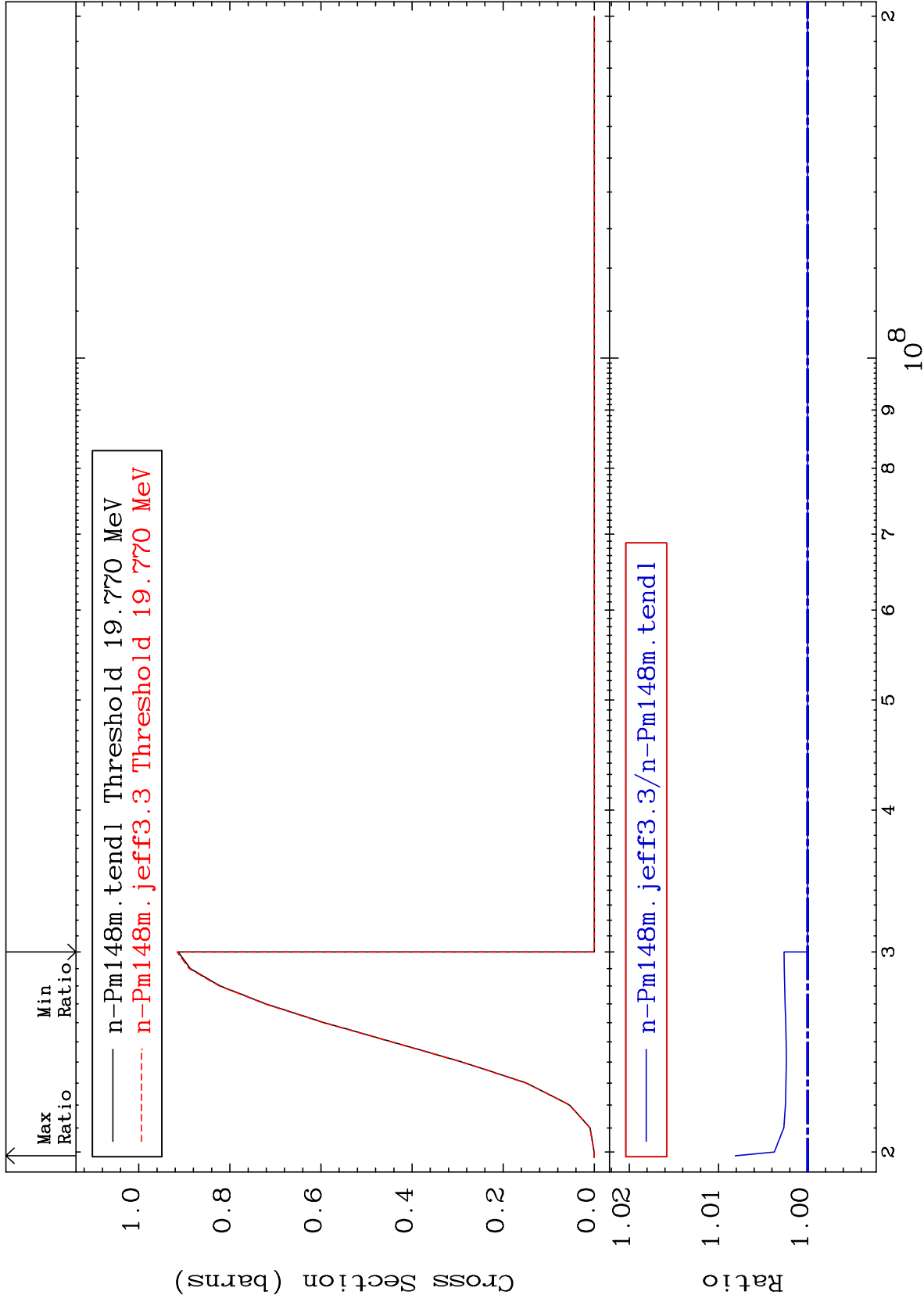
(n,4n)

61-Pm-148

Cross Section

0.000

To 0.812 %



16

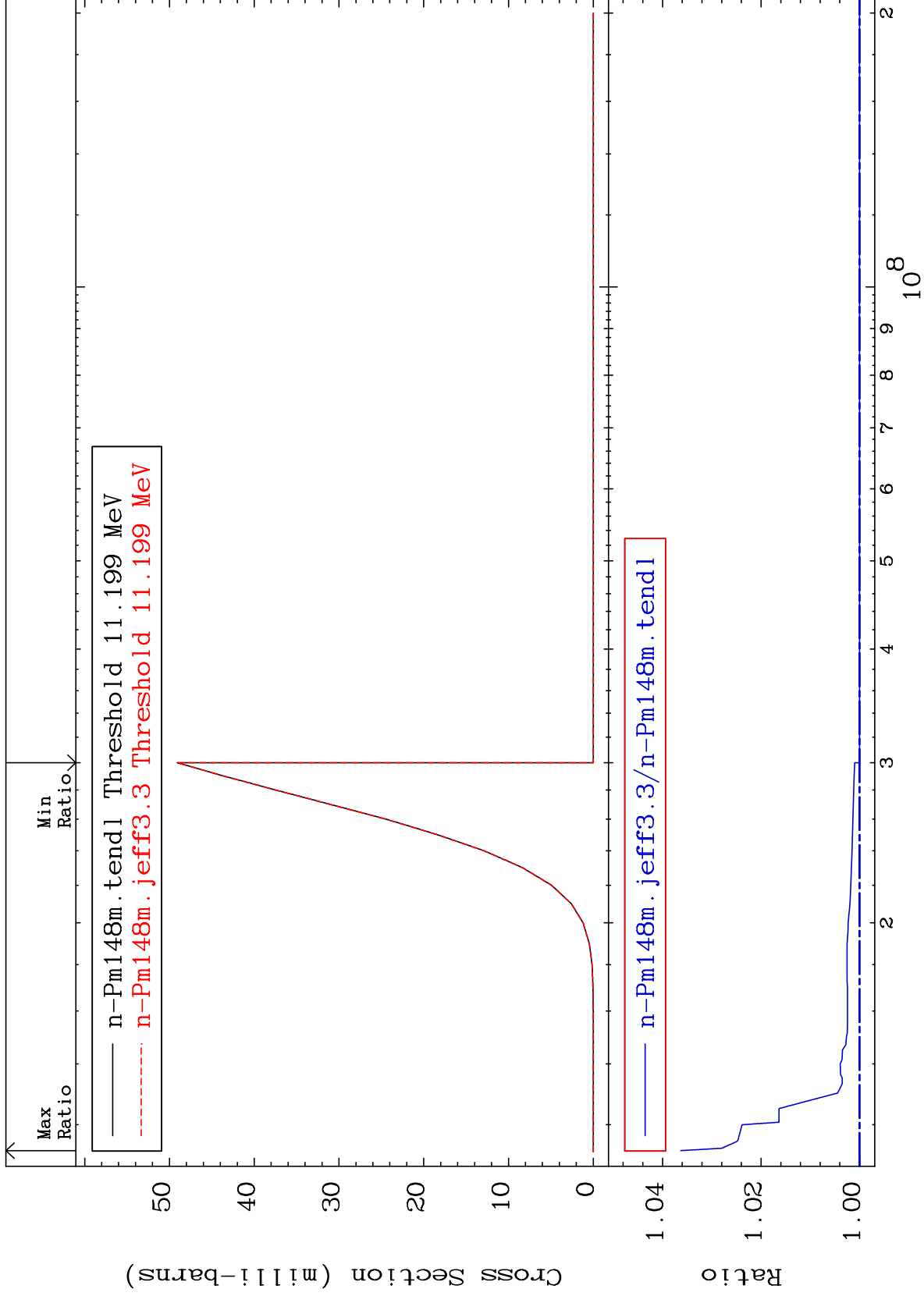
Incident Energy (eV)

61-Pm-148

MAT 6153

(n,2n) p
Cross Section

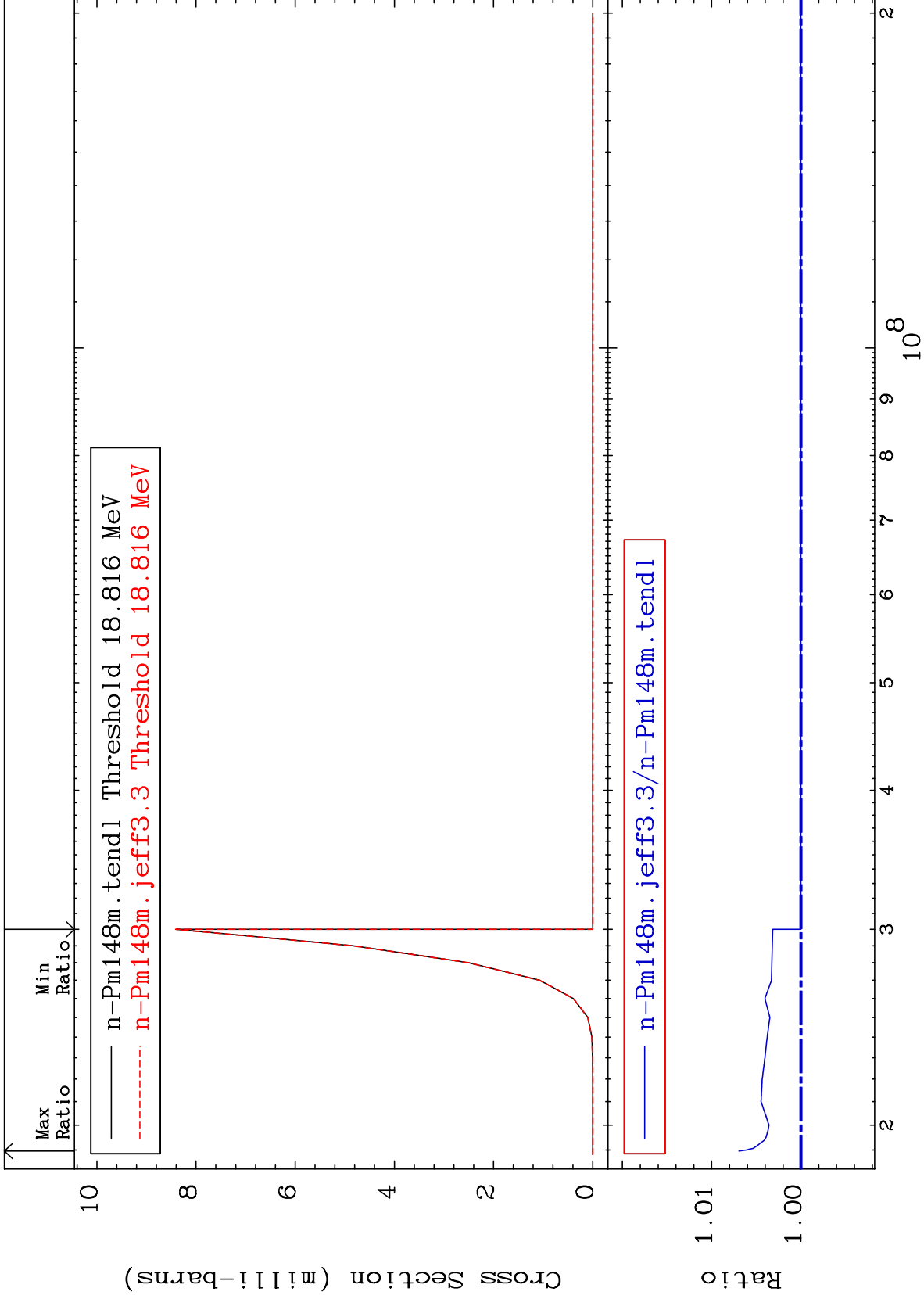
61-Pm-148
0.000 To 3.630 %



MAT 6153

(n,3n) p
Cross Section

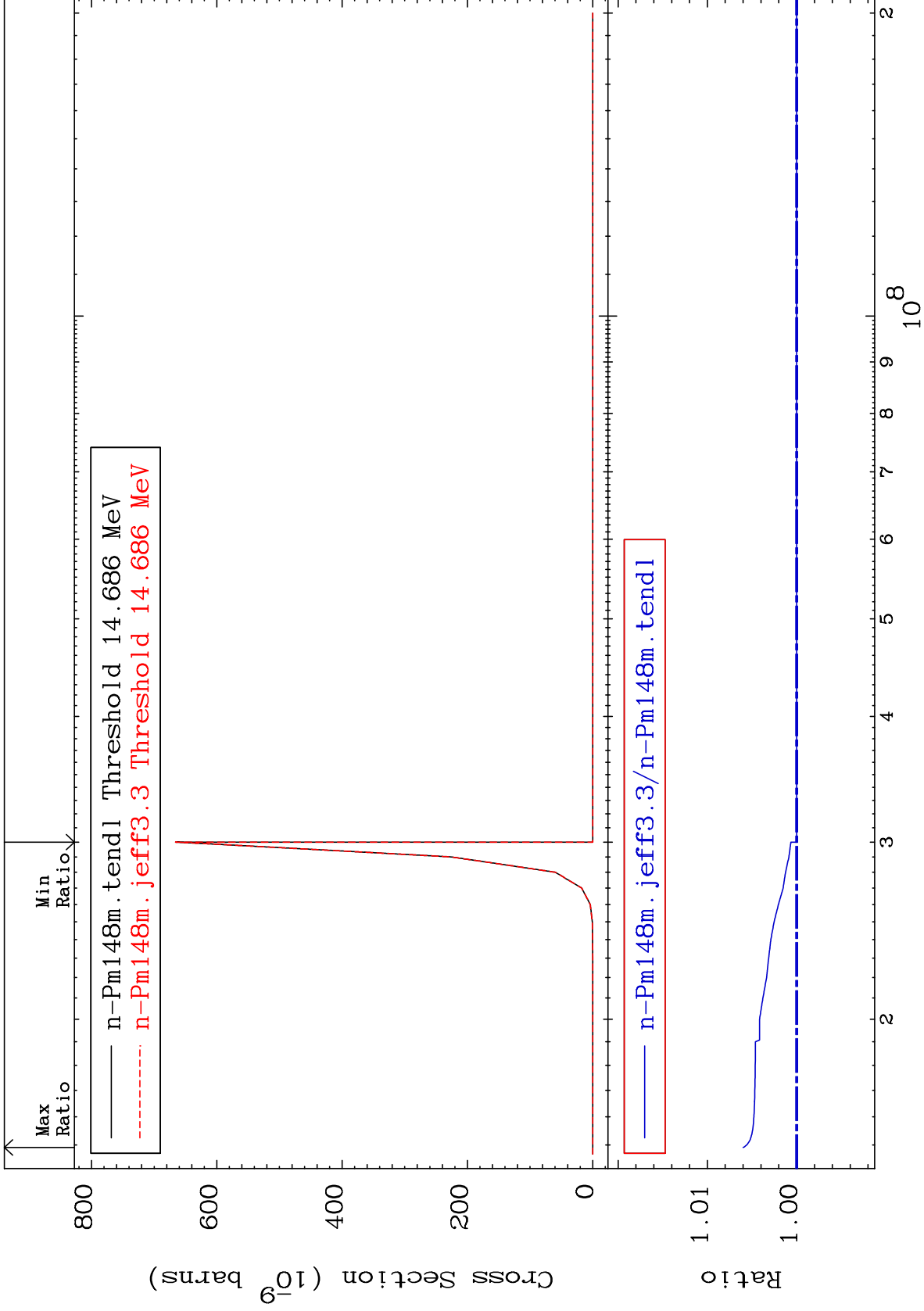
61-Pm-148
0.000 To 0.695 %



MAT 6153

(n,2n) p
Cross Section

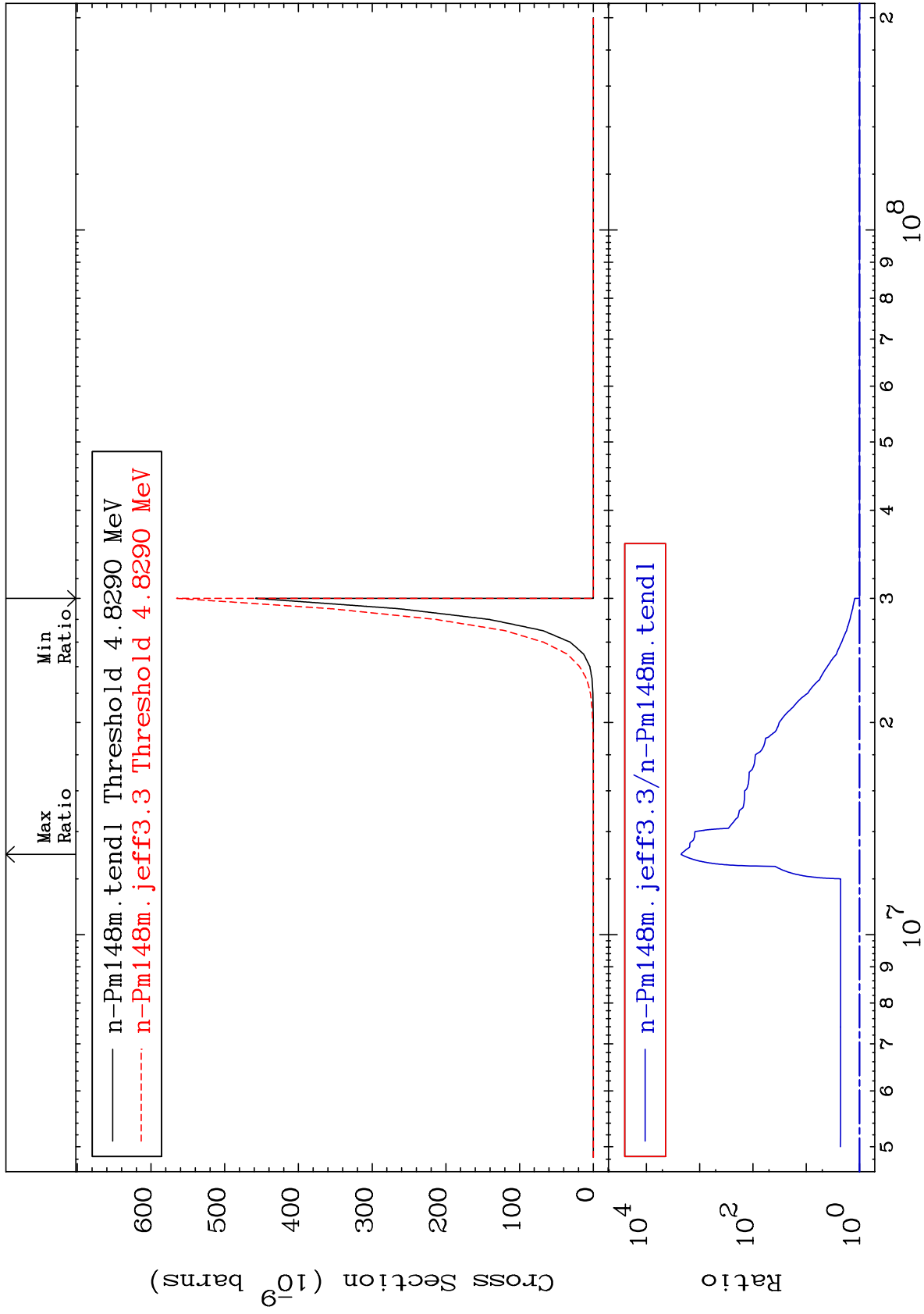
61-Pm-148
0.000 To 0.599 %



MAT 6153

(n,n') p α
Cross Section

61-Pm-148
To 9999. %



20

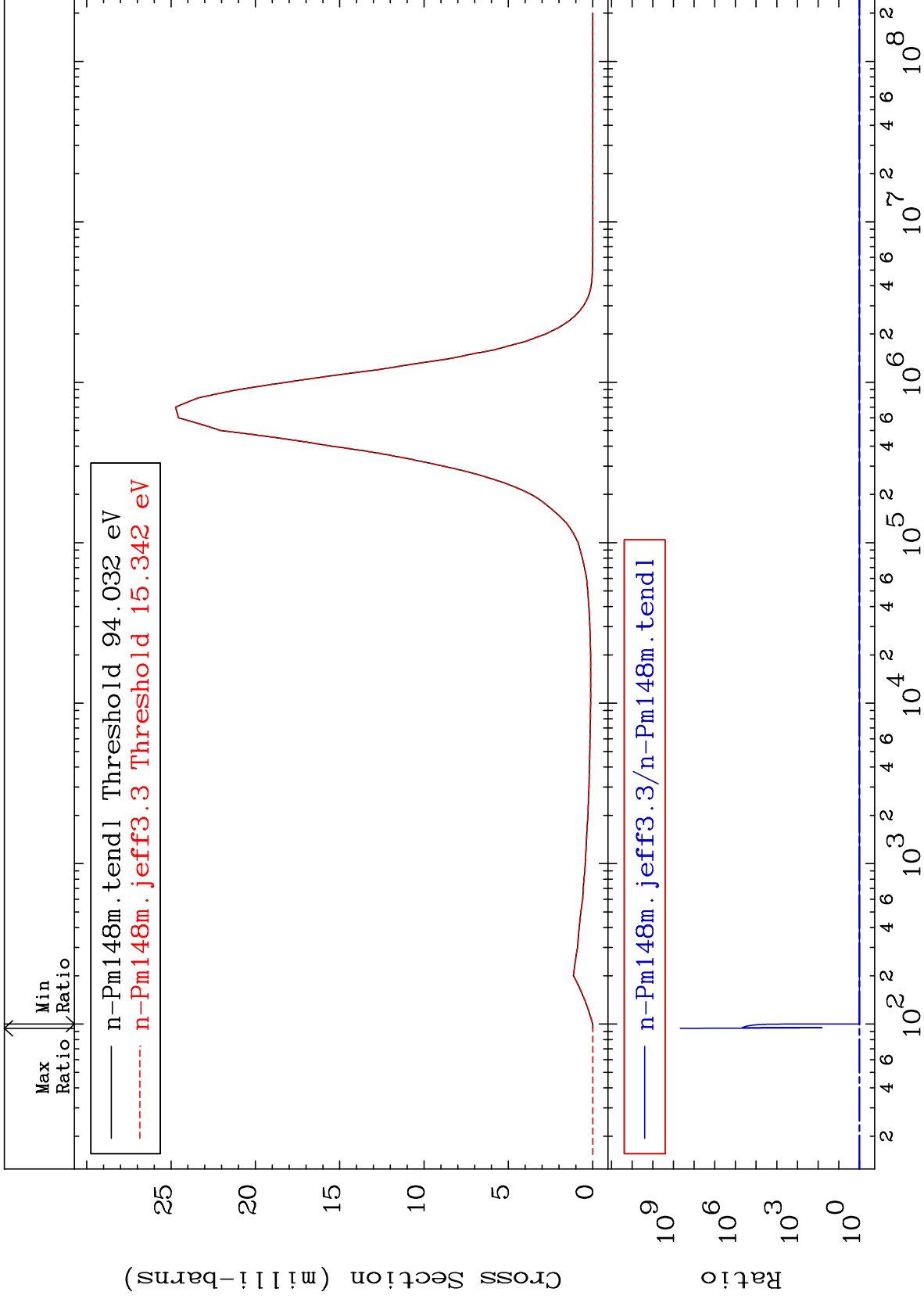
Incident Energy (eV)

61-Pm-148

MAT 6153

MT= 51 (n,n') Level
Cross Section

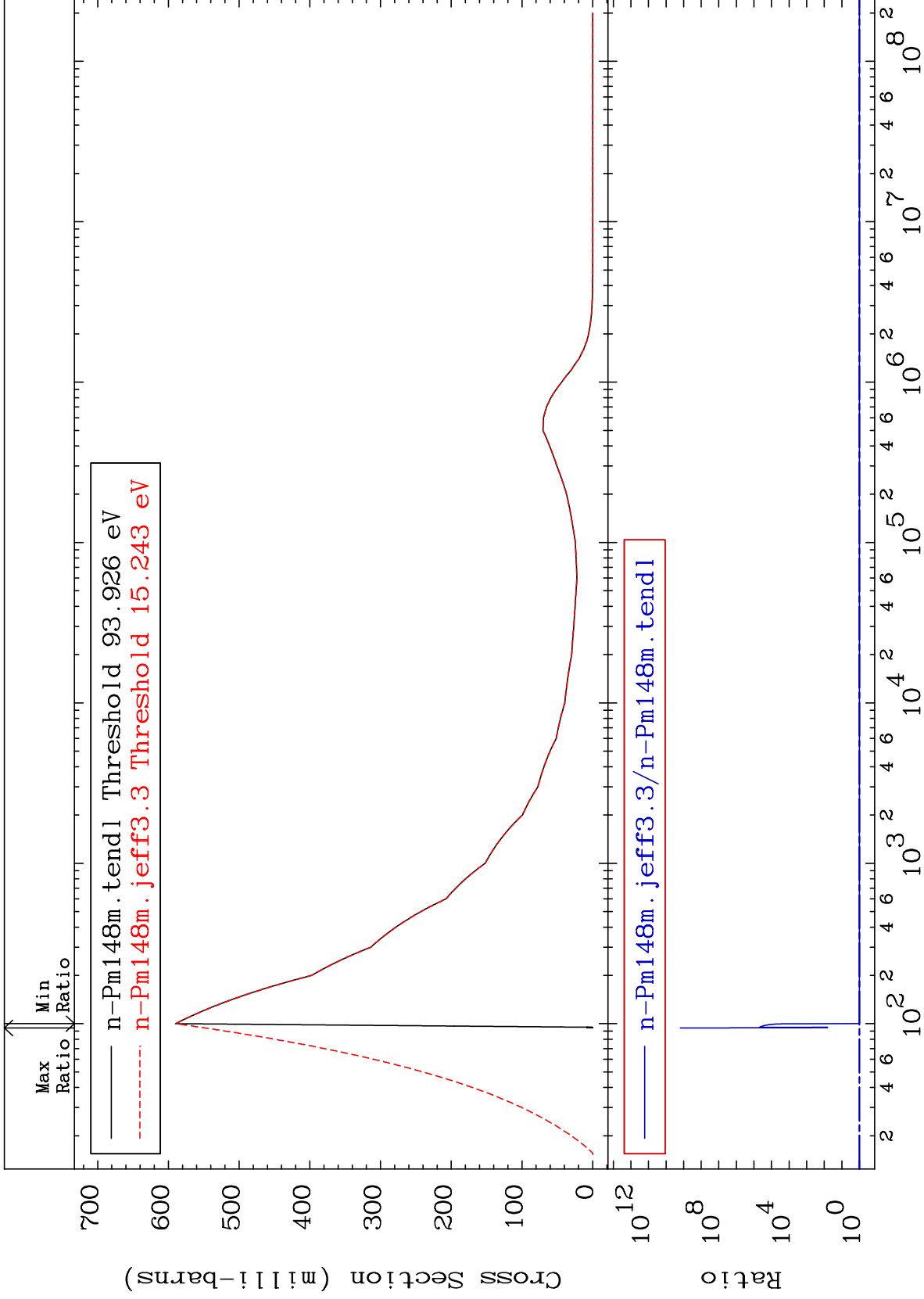
61-Pm-148
-0.067 To 9999. %



MAT 6153

MT= 52 (n, n') Level
Cross Section

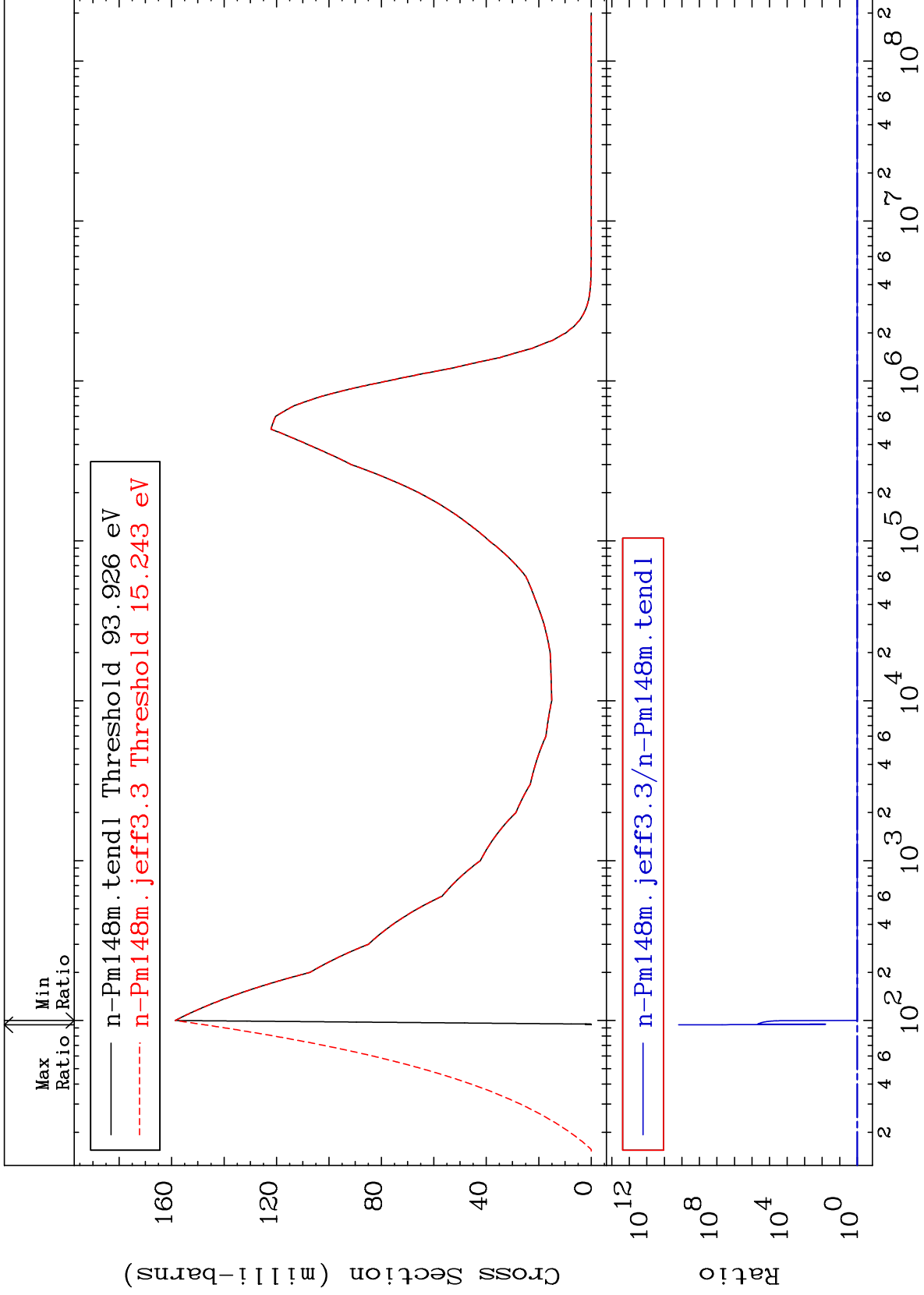
61-Pm-148
-0.060 To 9999. %



MAT 6153

MT= 53 (n,n') Level
Cross Section

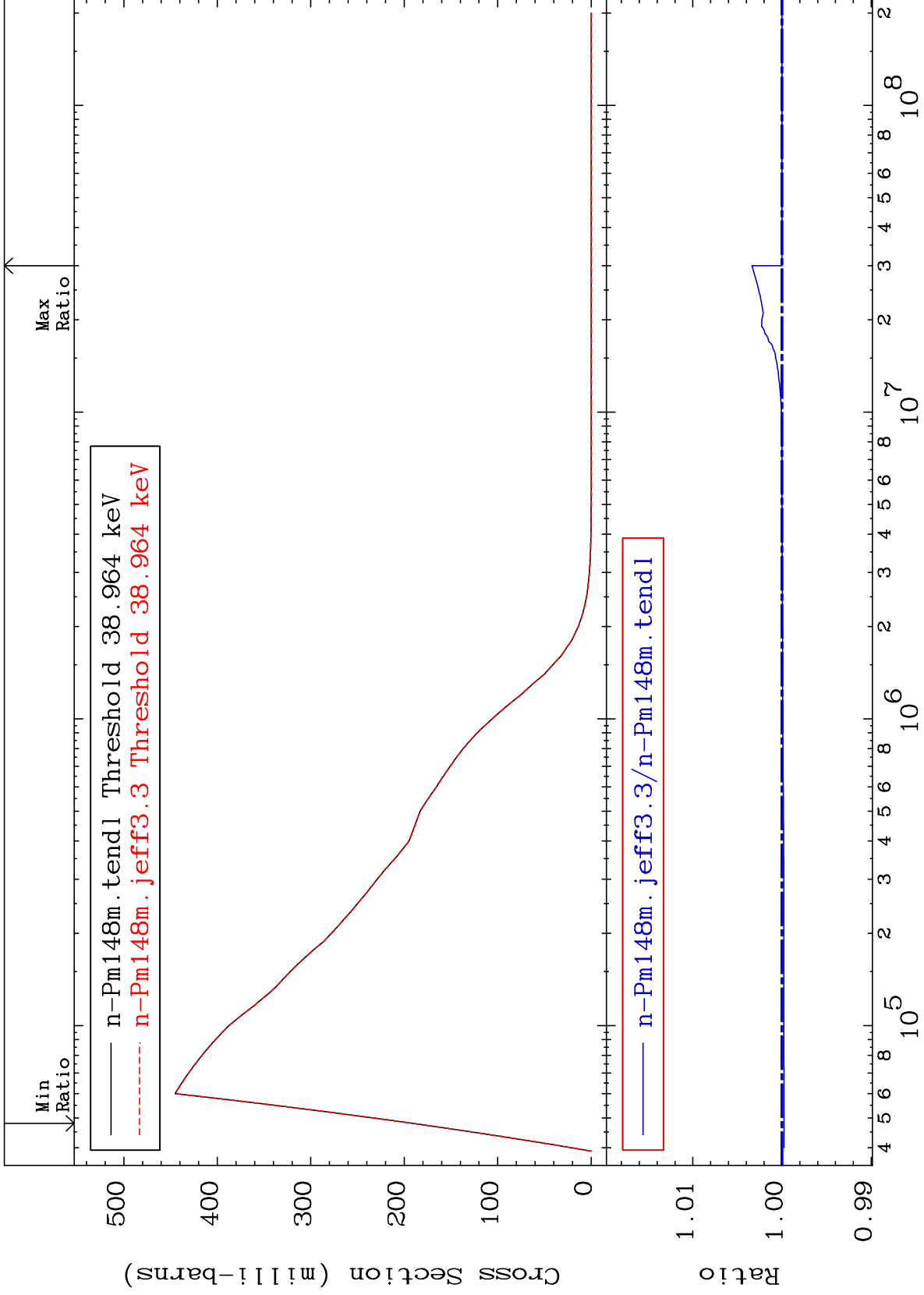
61-Pm-148
-0.062 To 9999. %



MAT 6153

MT= 54 (n,n') Level
Cross Section

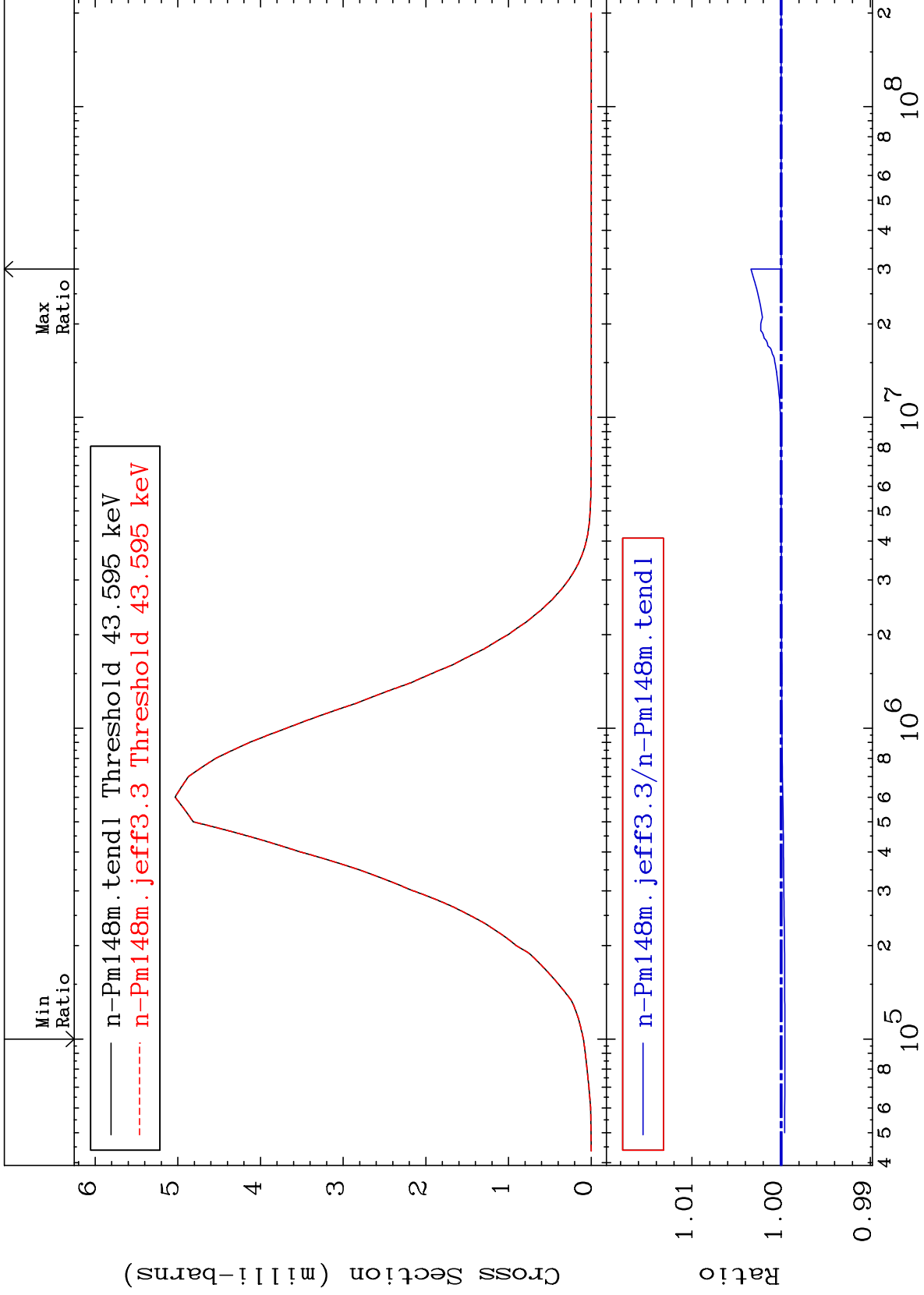
61-Pm-148
-0.022 To 0.337 %



MAT 6153

MT= 55 (n,n') Level
Cross Section

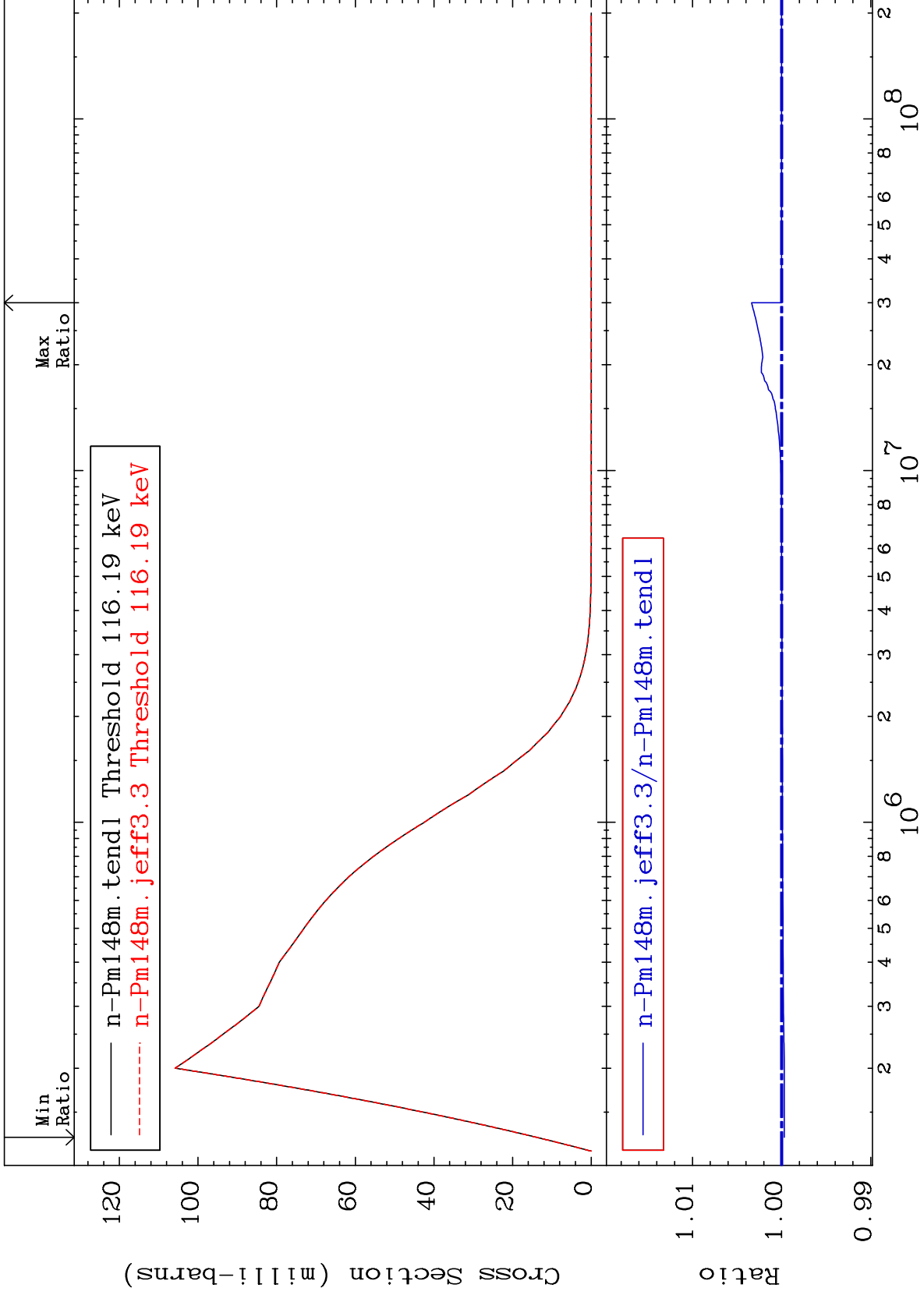
61-Pm-148
-0.043 To 0.338 %



MAT 6153

MT= 56 (n,n') Level
Cross Section

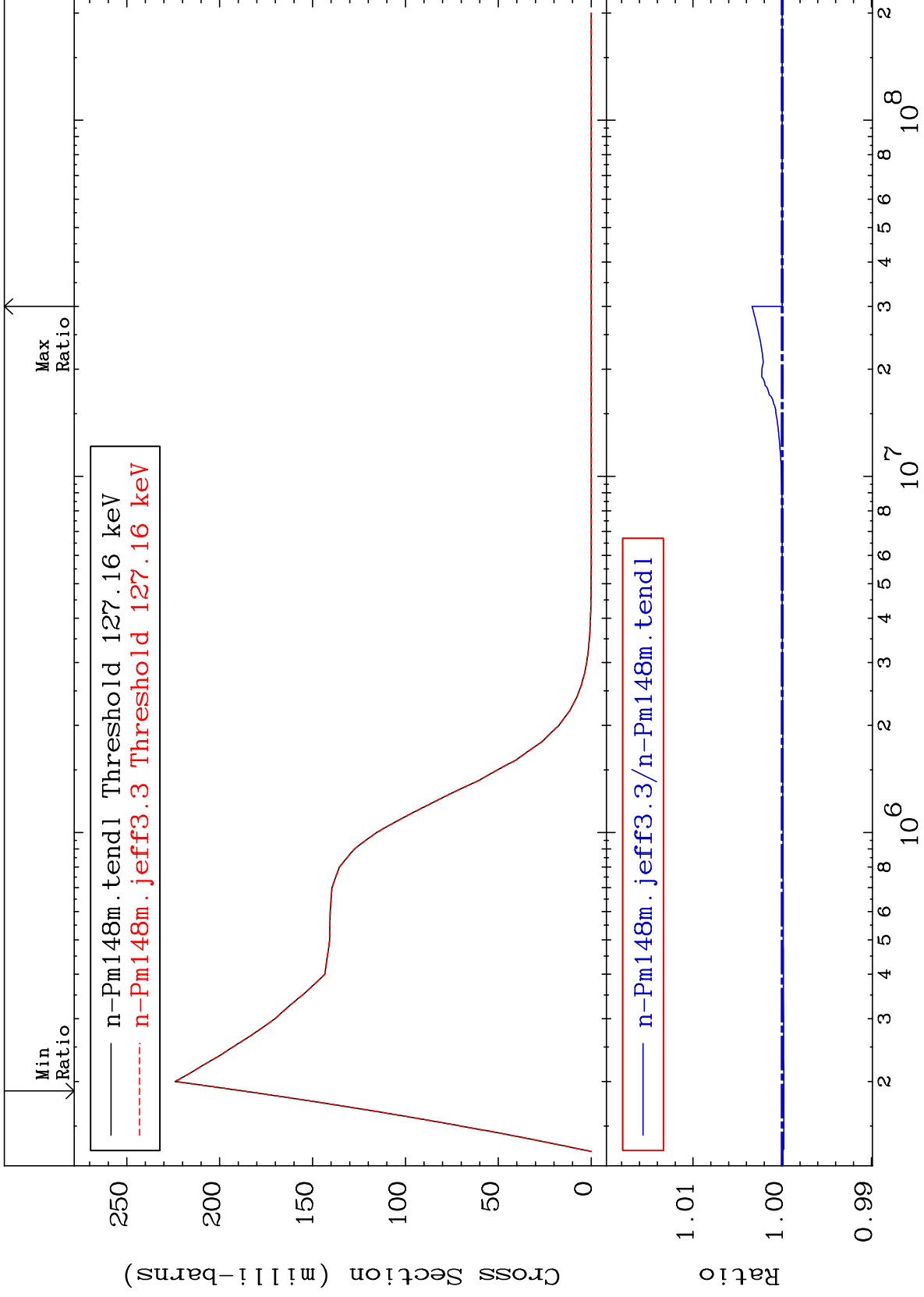
61-Pm-148
-0.030 To 0.337 %



MAT 6153

MT= 57 (n, n') Level
Cross Section

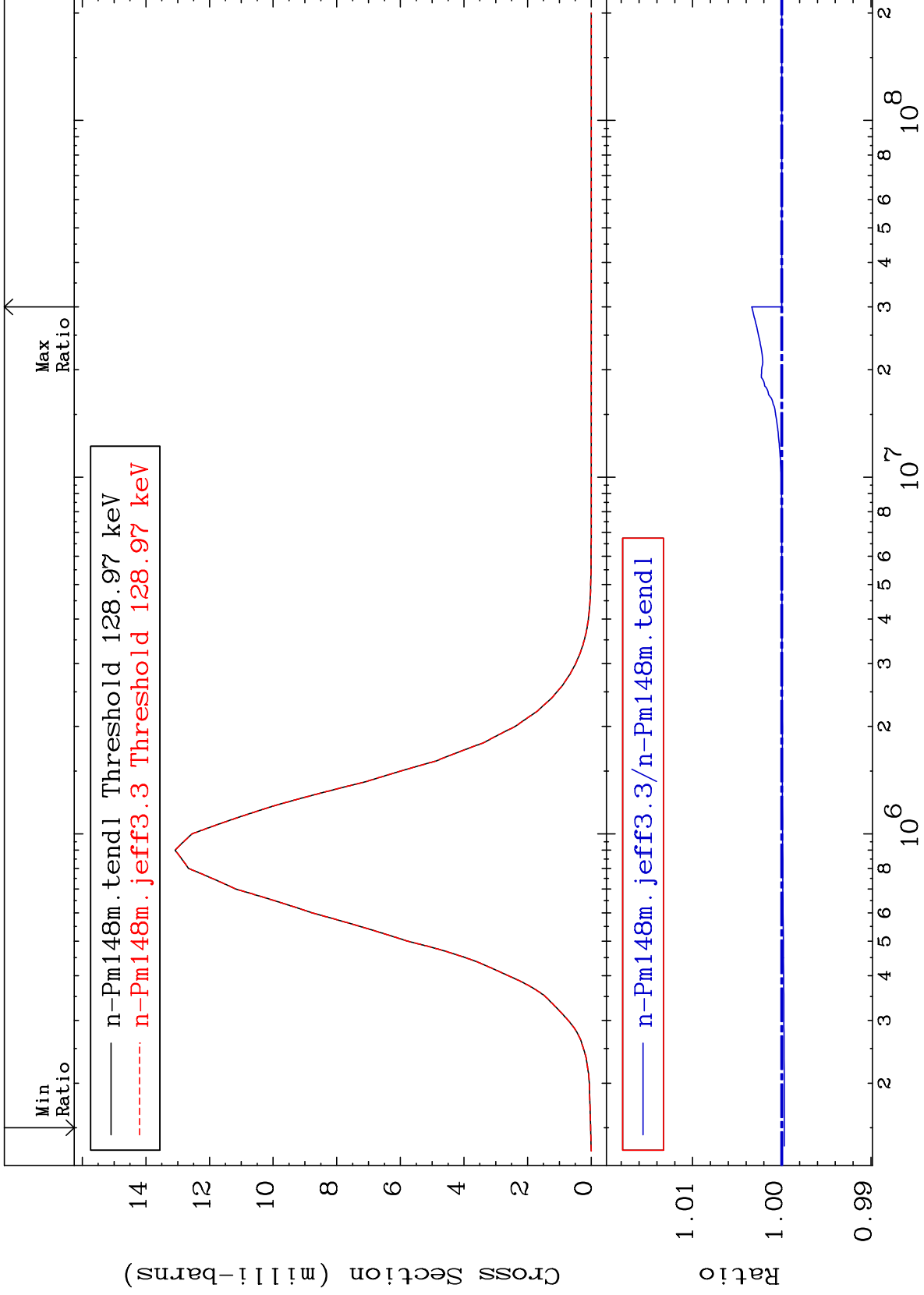
61-Pm-148
-0.018 To 0.337 %



MAT 6153

MT= 58 (n, n') Level
Cross Section

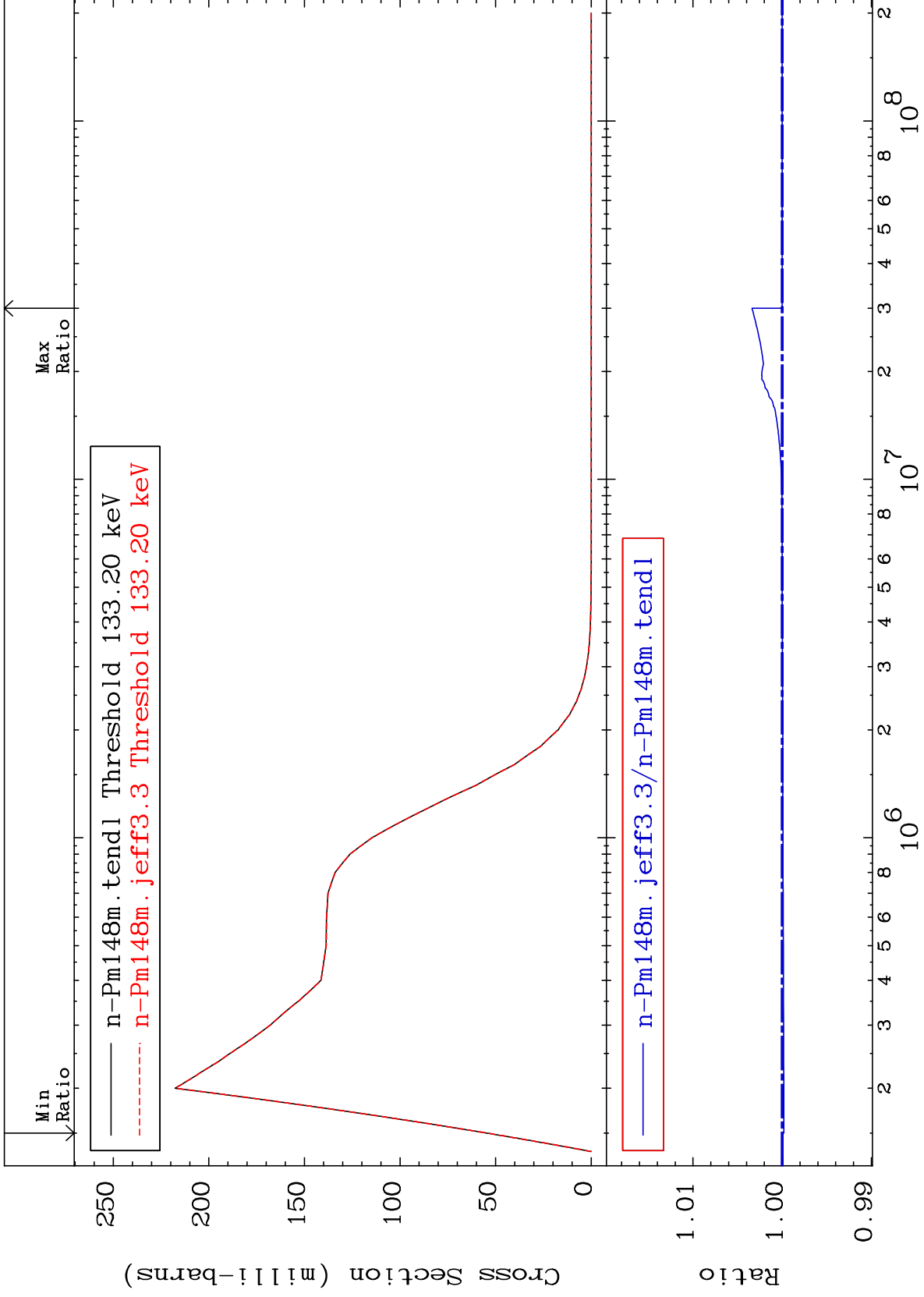
61-Pm-148
-0.027 To 0.338 %



MAT 6153

MT= 59 (n, n') Level
Cross Section

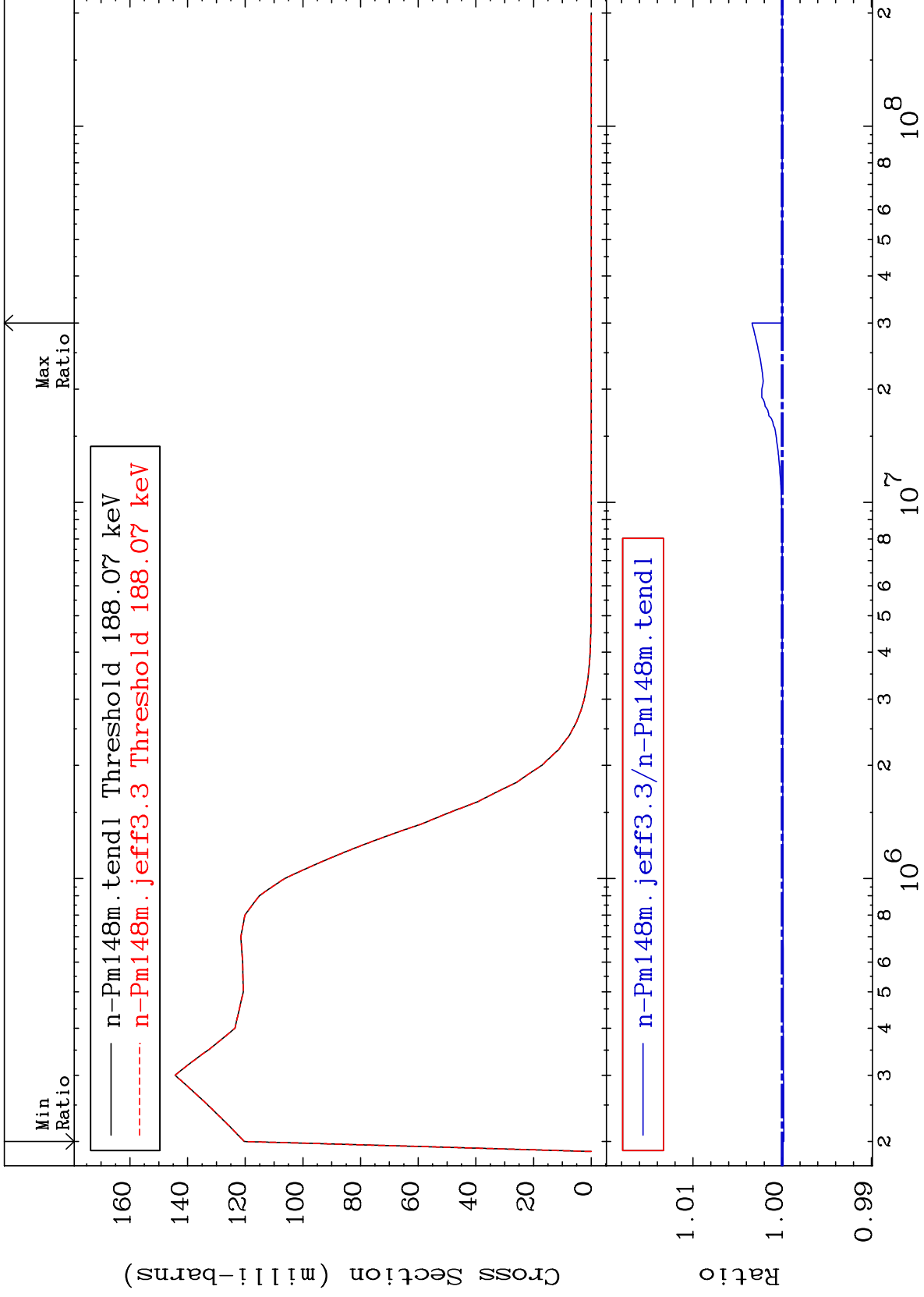
61-Pm-148
-0.018 To 0.338 %



MAT 6153

MT= 60 (n,n') Level
Cross Section

61-Pm-148
-0.019 To 0.338 %



30

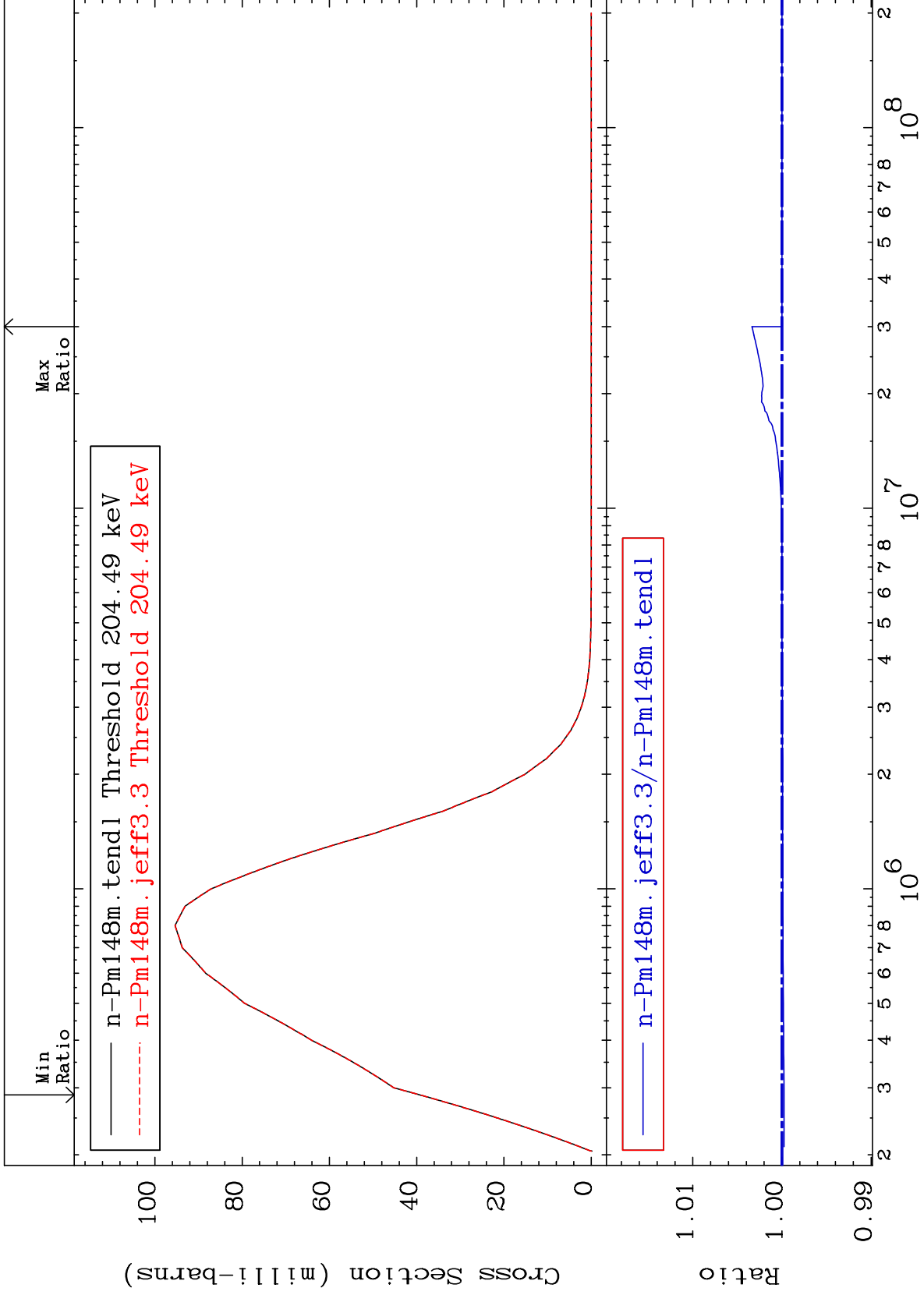
Incident Energy (eV)

61-Pm-148

MAT 6153

MT= 61 (n,n') Level
Cross Section

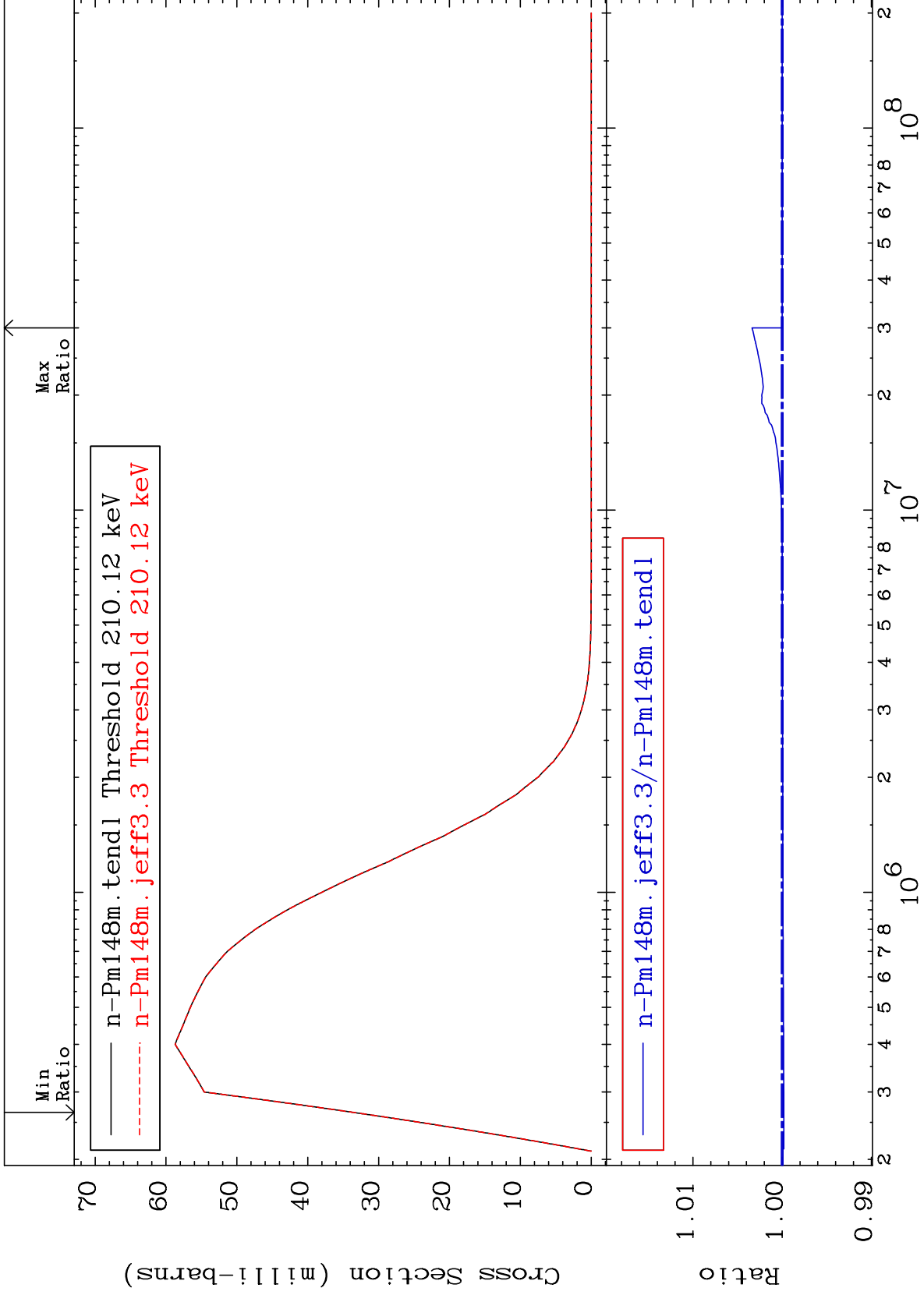
61-Pm-148
-0.023 To 0.337 %



MAT 6153

MT= 62 (n,n') Level
Cross Section

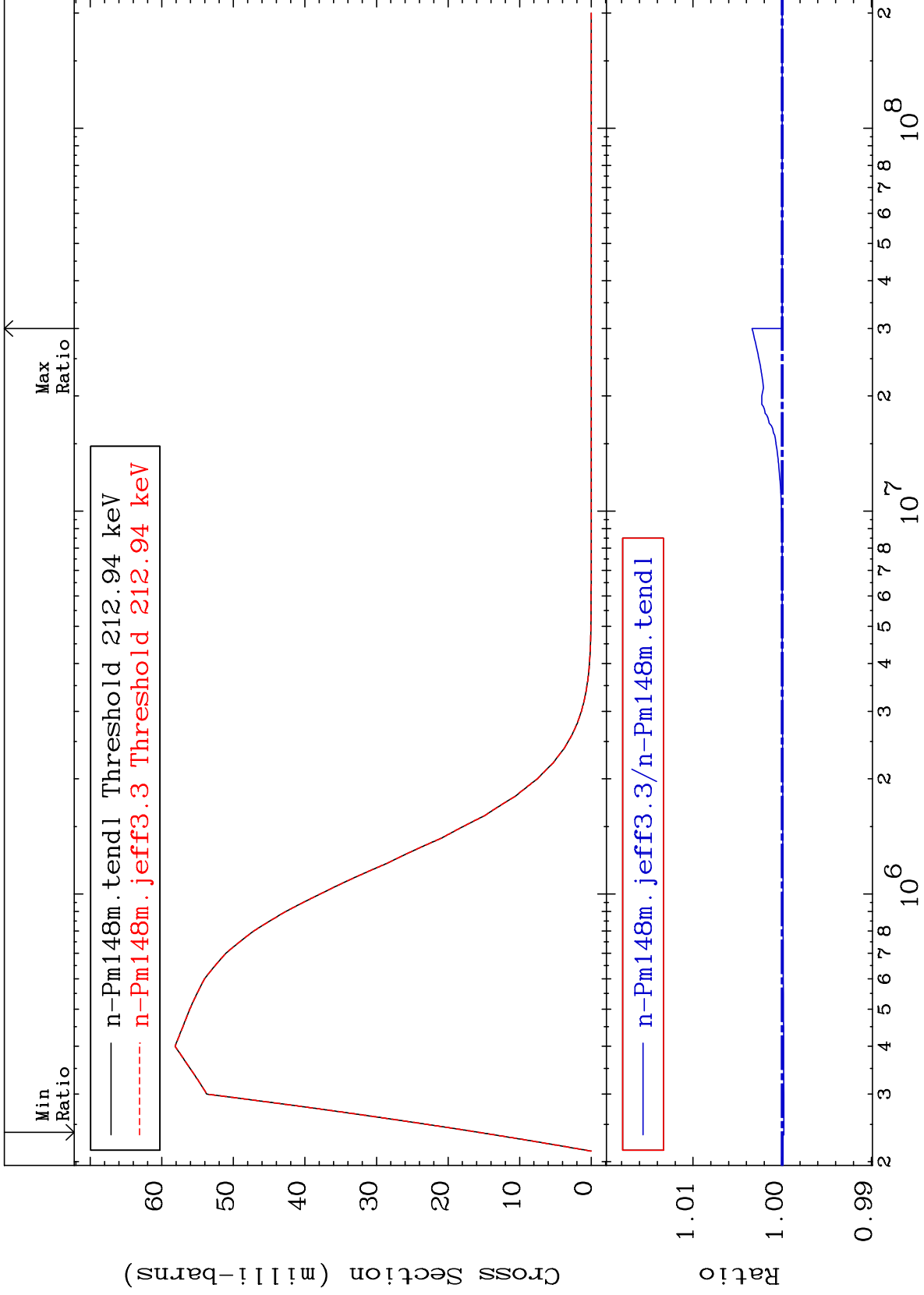
61-Pm-148
-0.019 To 0.337 %



MAT 6153

MT= 63 (n,n') Level
Cross Section

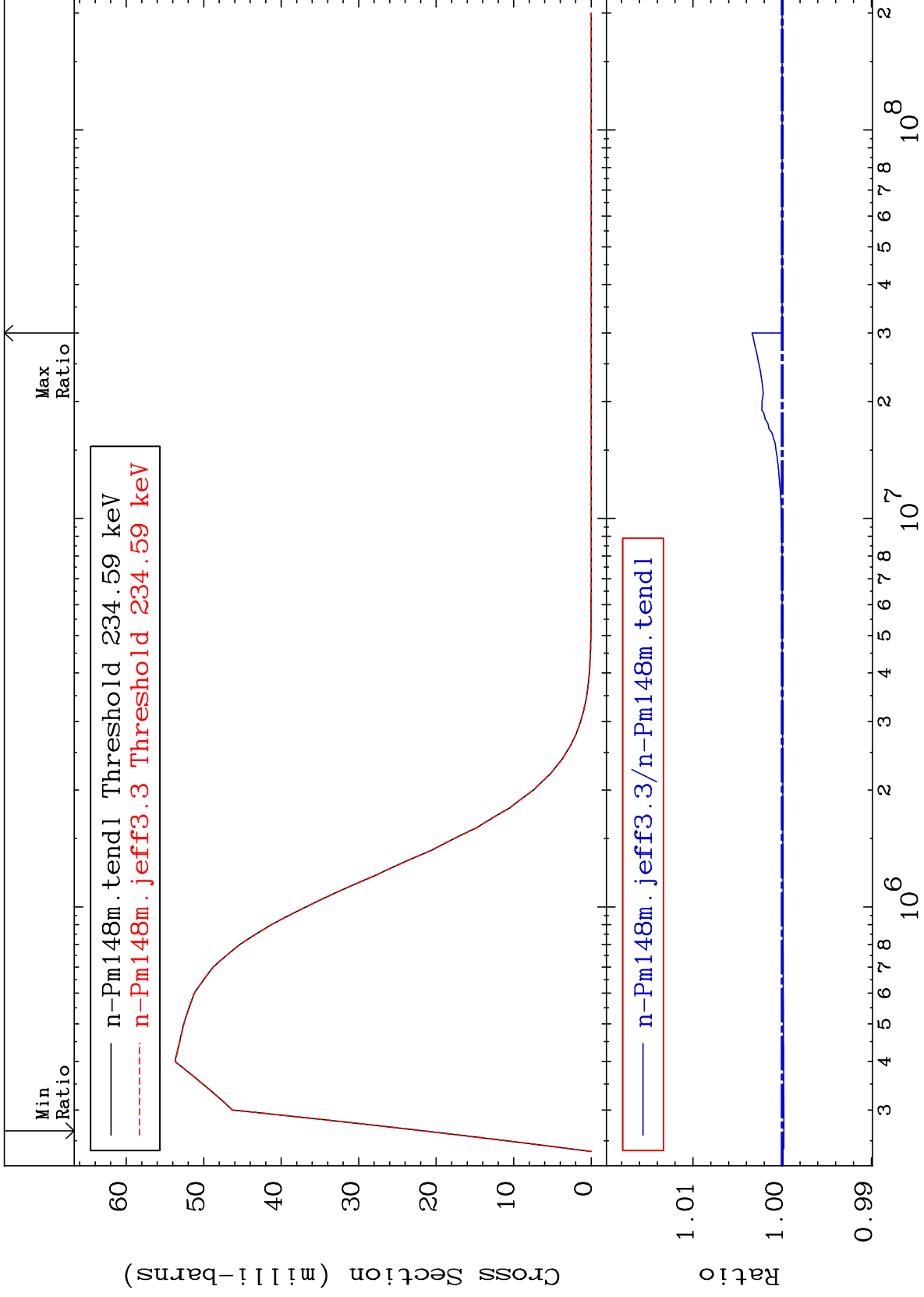
61-Pm-148
-0.018 To 0.337 %



MAT 6153

MT= 64 (n,n') Level
Cross Section

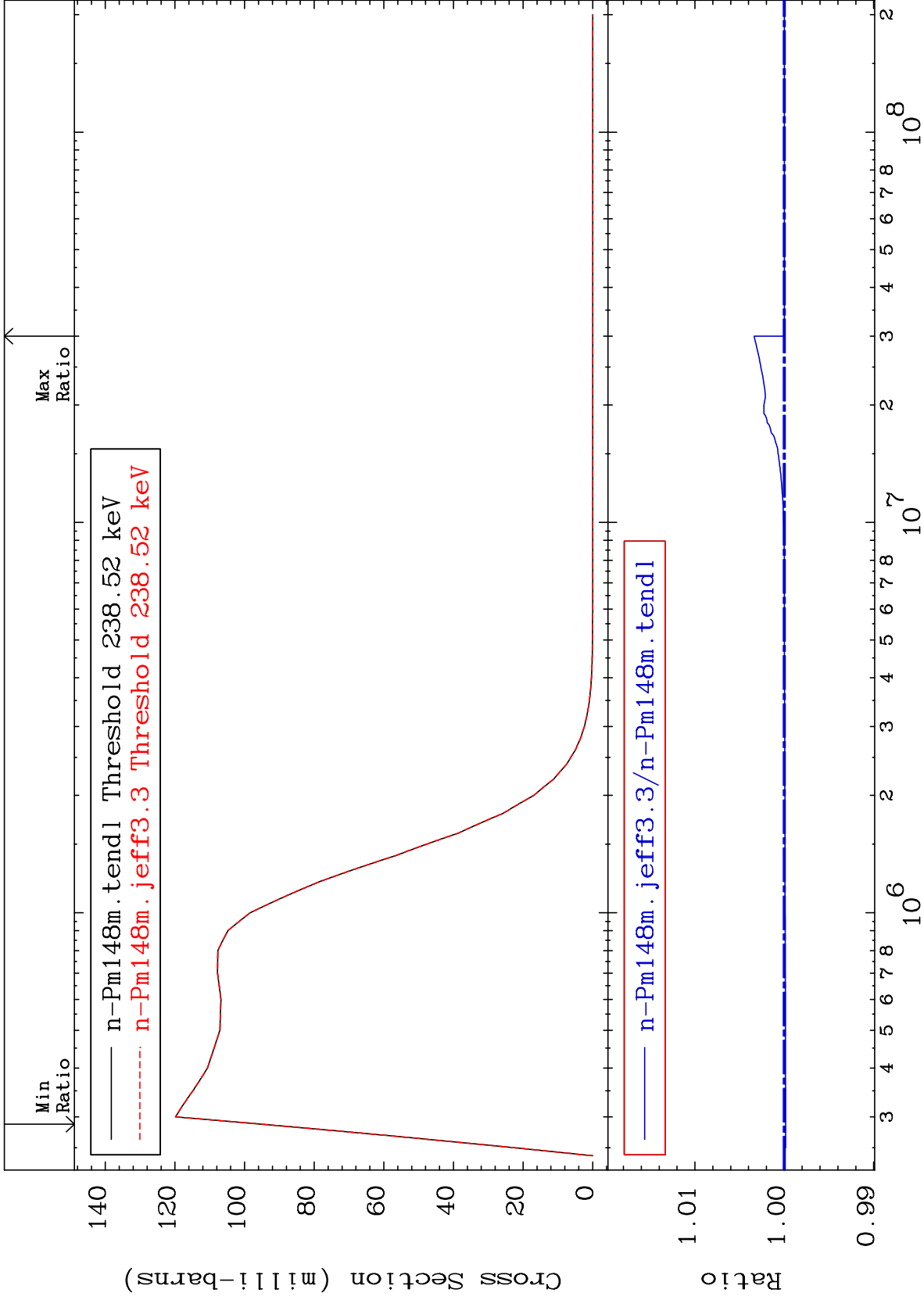
61-Pm-148
-0.018 To 0.337 %



MAT 6153

MT= 65 (n,n') Level
Cross Section

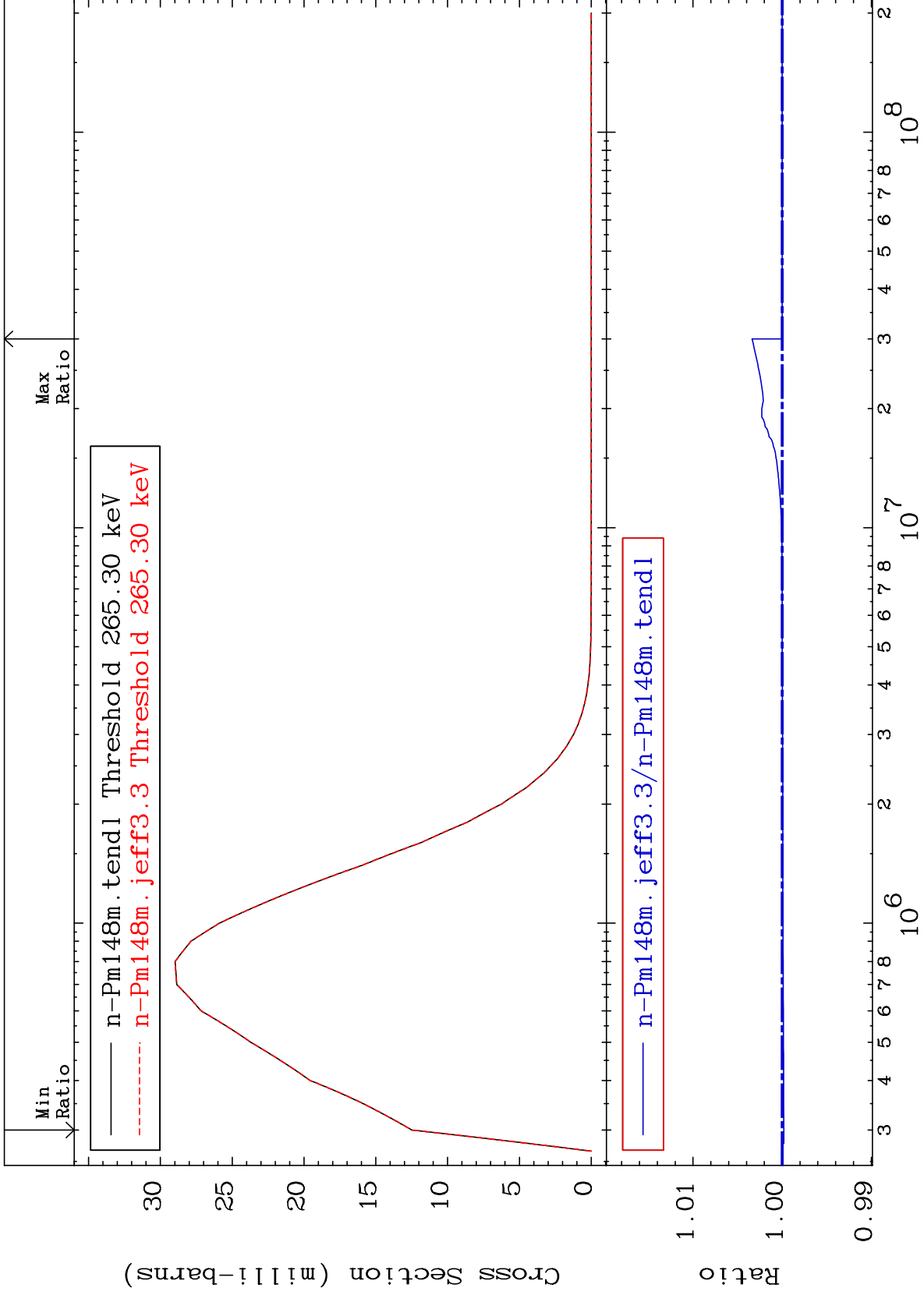
61-Pm-148
-0.015 To 0.338 %



MAT 6153

MT= 66 (n,n') Level
Cross Section

61-Pm-148
-0.018 To 0.337 %



36

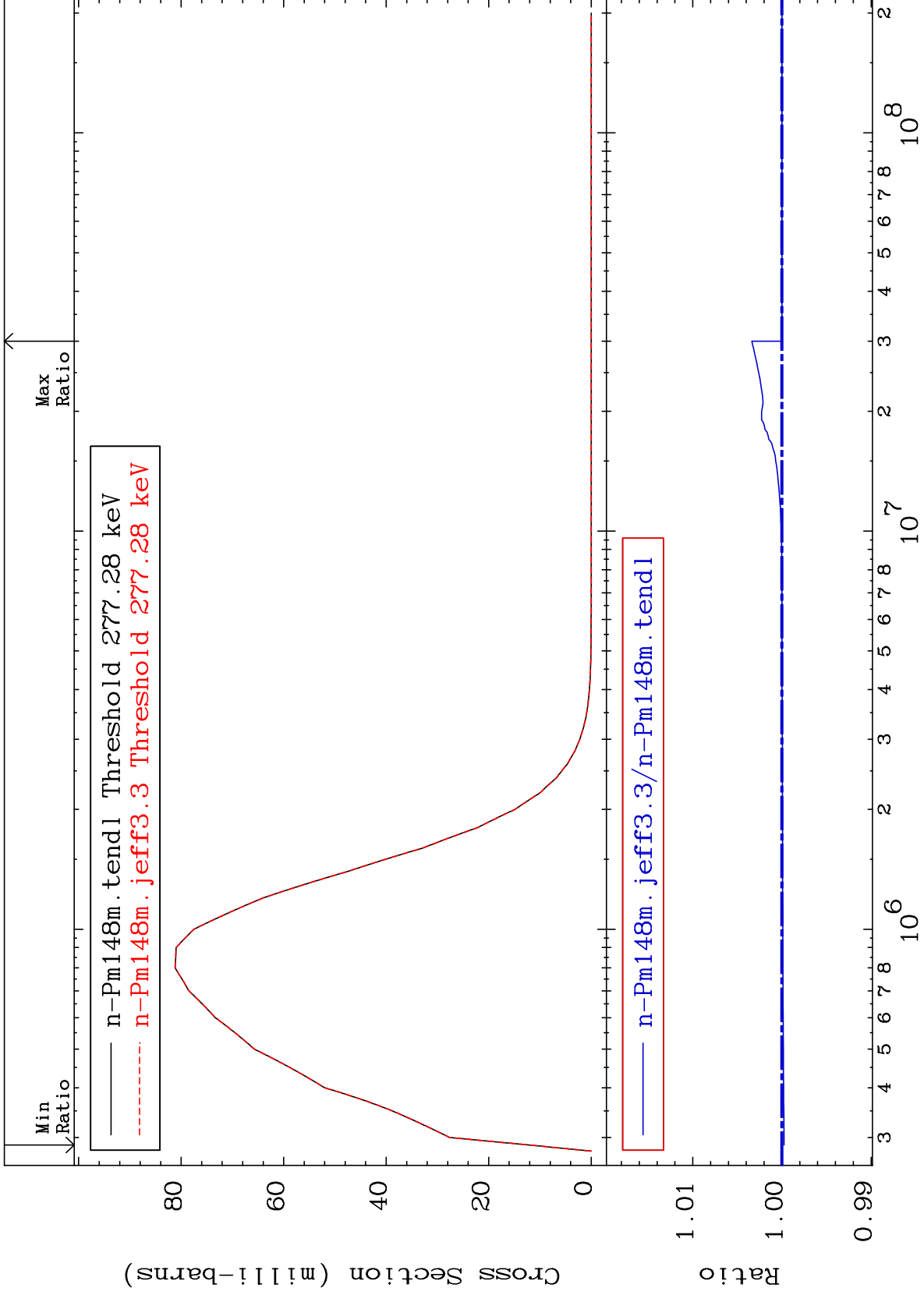
Incident Energy (eV)

61-Pm-148

MAT 6153

MT= 67 (n,n') Level
Cross Section

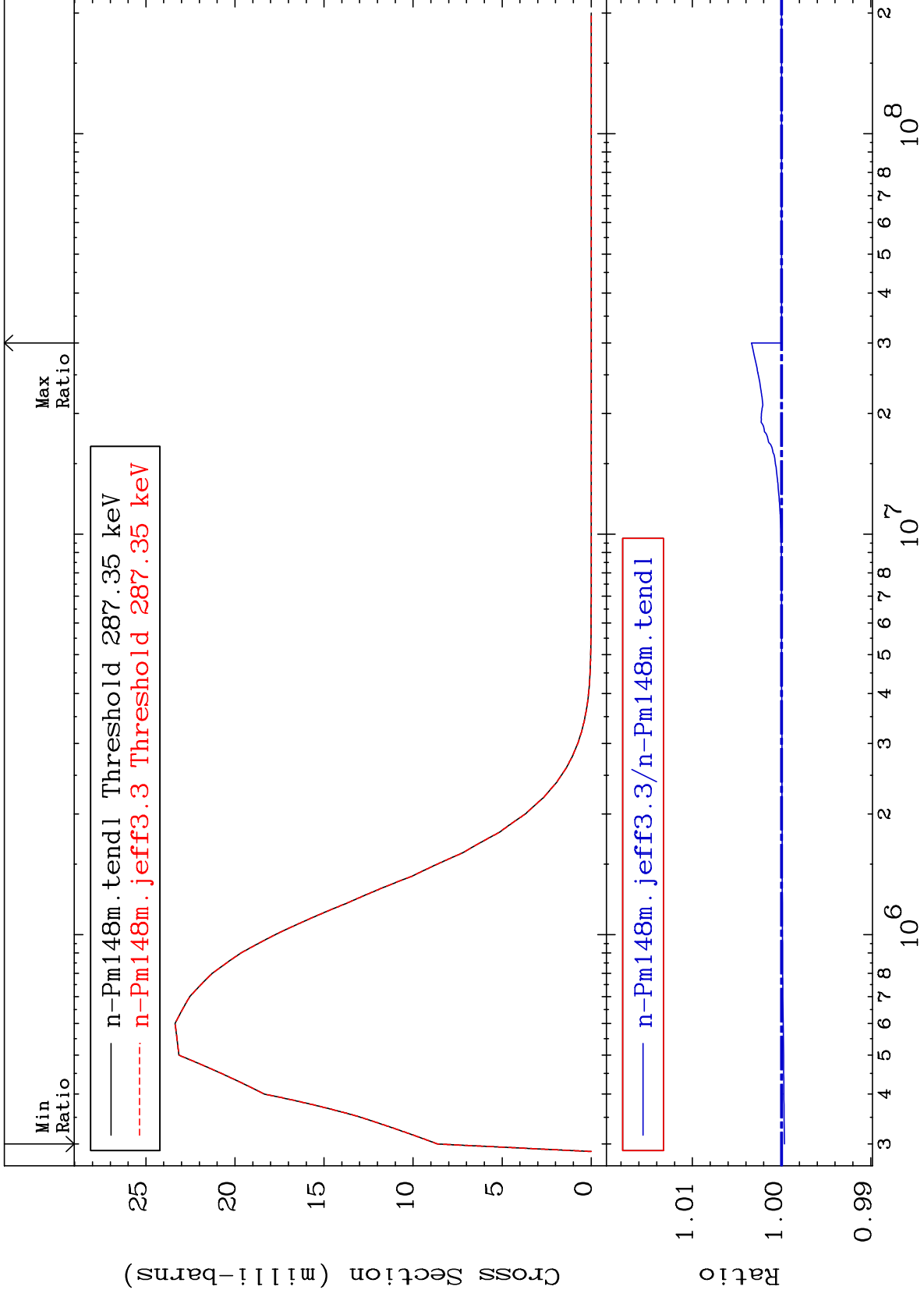
61-Pm-148
-0.024 To 0.337 %



MAT 6153

MT= 68 (n,n') Level
Cross Section

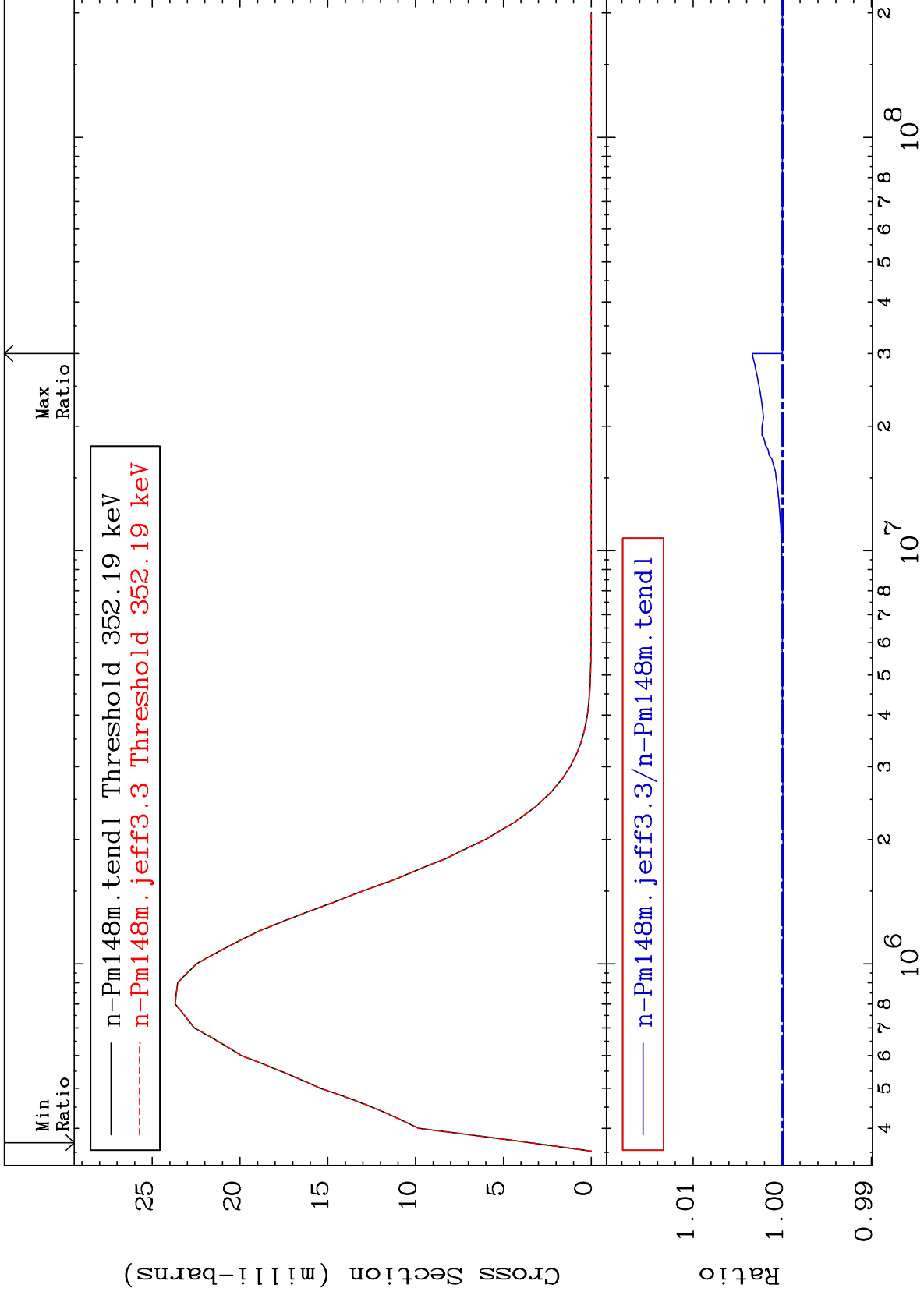
61-Pm-148
-0.032 To 0.338 %



MAT 6153

MT= 69 (n,n') Level
Cross Section

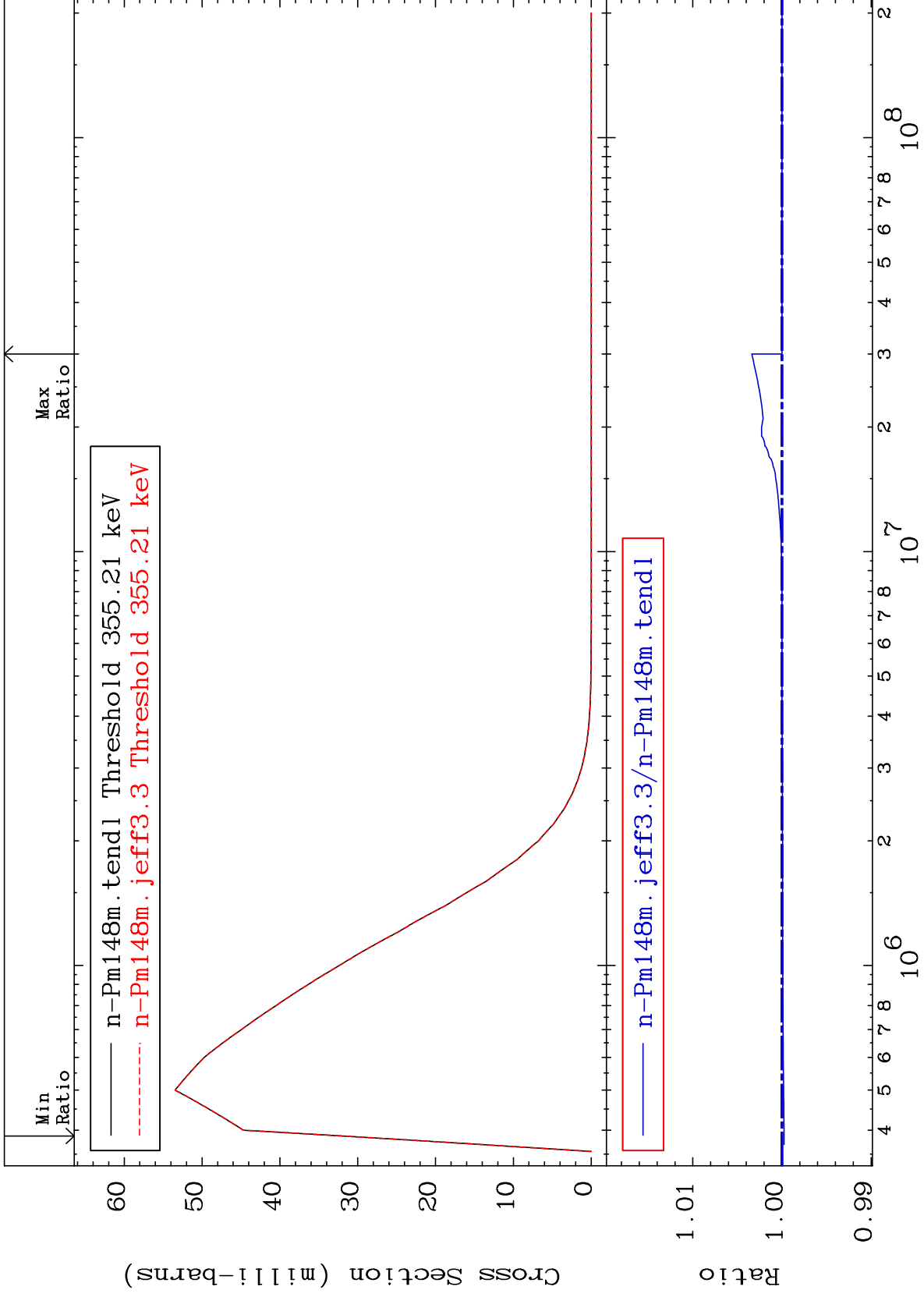
61-Pm-148
-0.015 To 0.337 %



MAT 6153

MT= 70 (n,n') Level
Cross Section

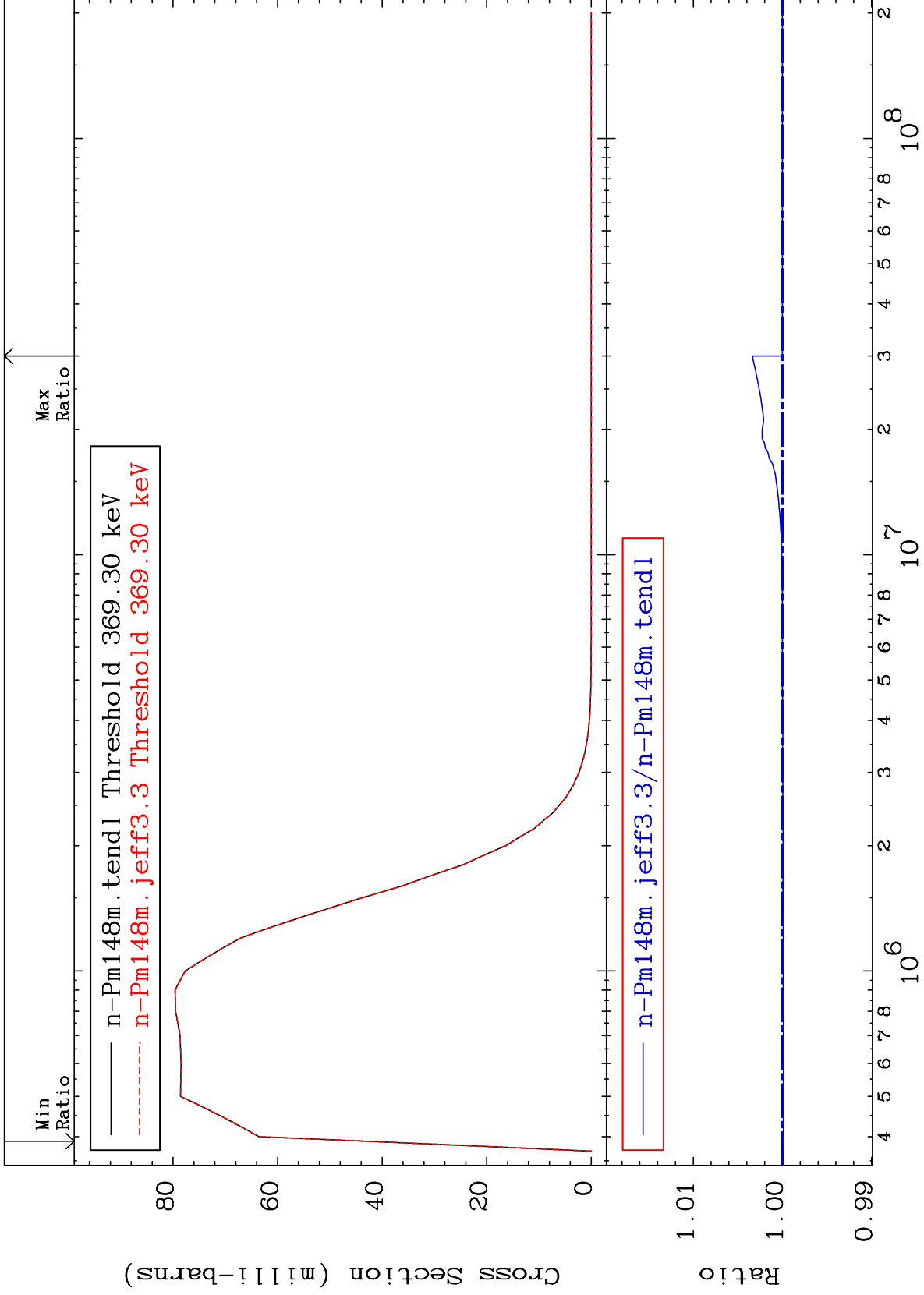
61-Pm-148
-0.023 To 0.338 %



MAT 6153

MT= 71 (n,n') Level
Cross Section

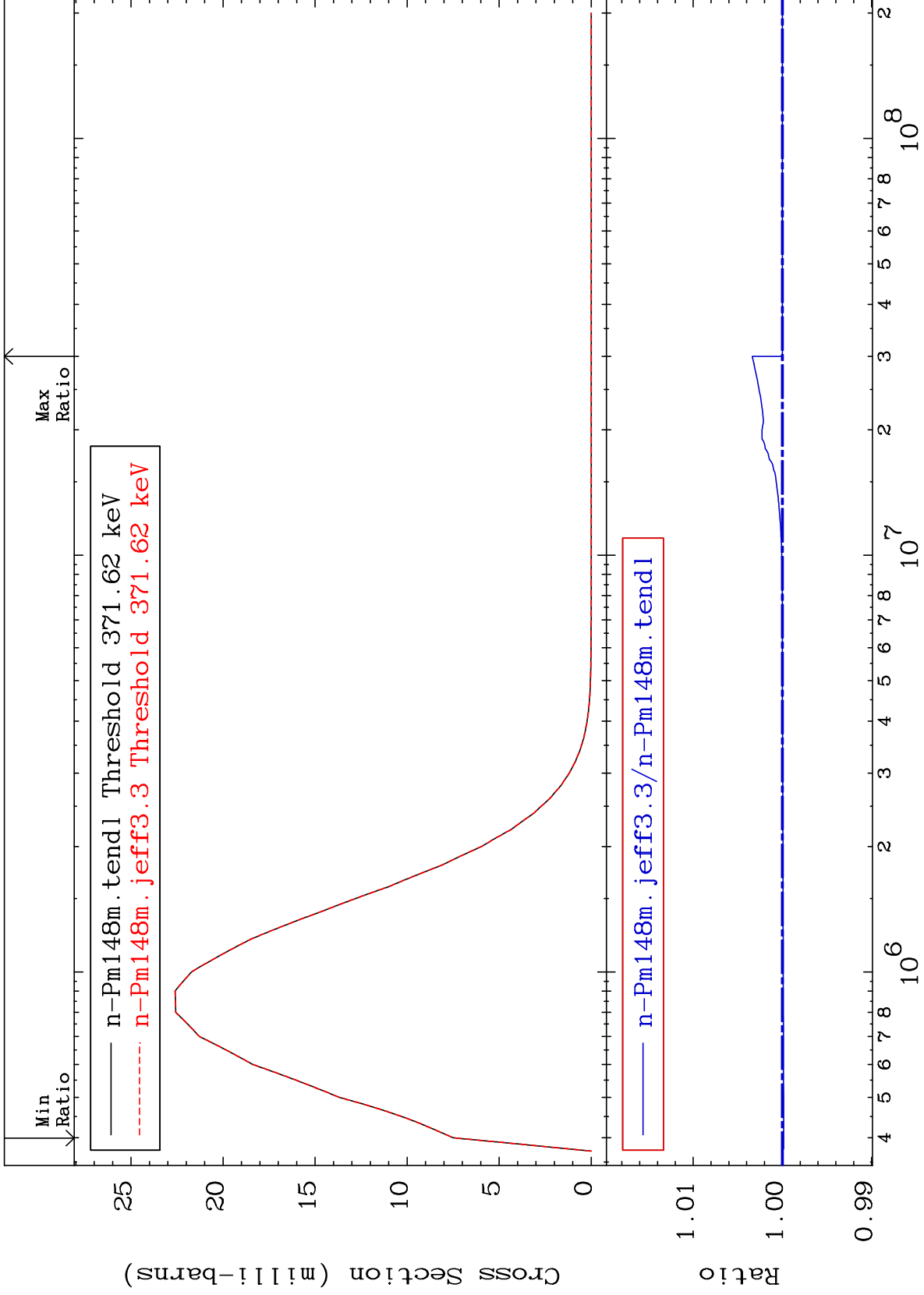
61-Pm-148
-0.012 To 0.337 %



MAT 6153

MT= 72 (n,n') Level
Cross Section

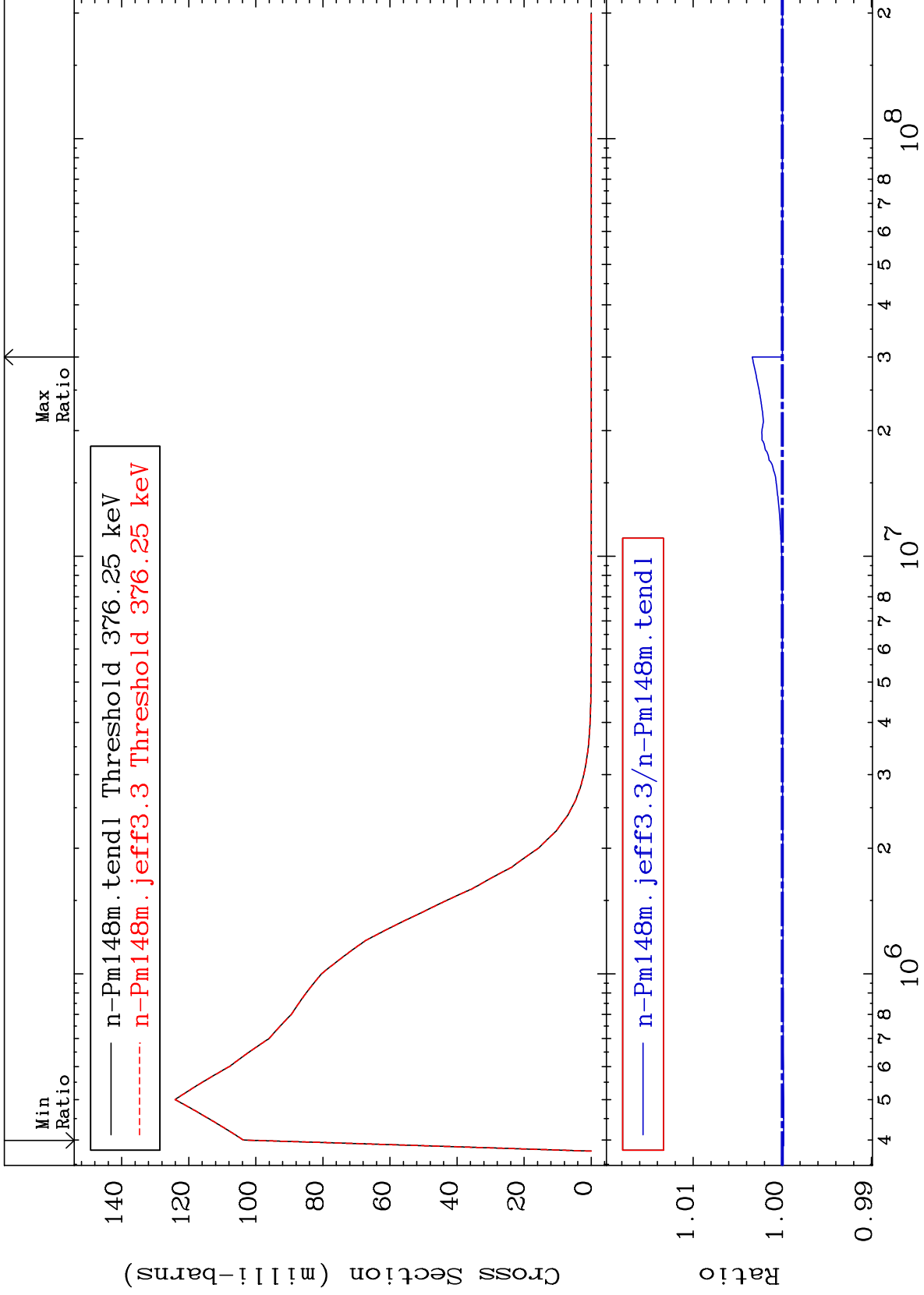
61-Pm-148
-0.014 To 0.337 %



MAT 6153

MT= 73 (n,n') Level
Cross Section

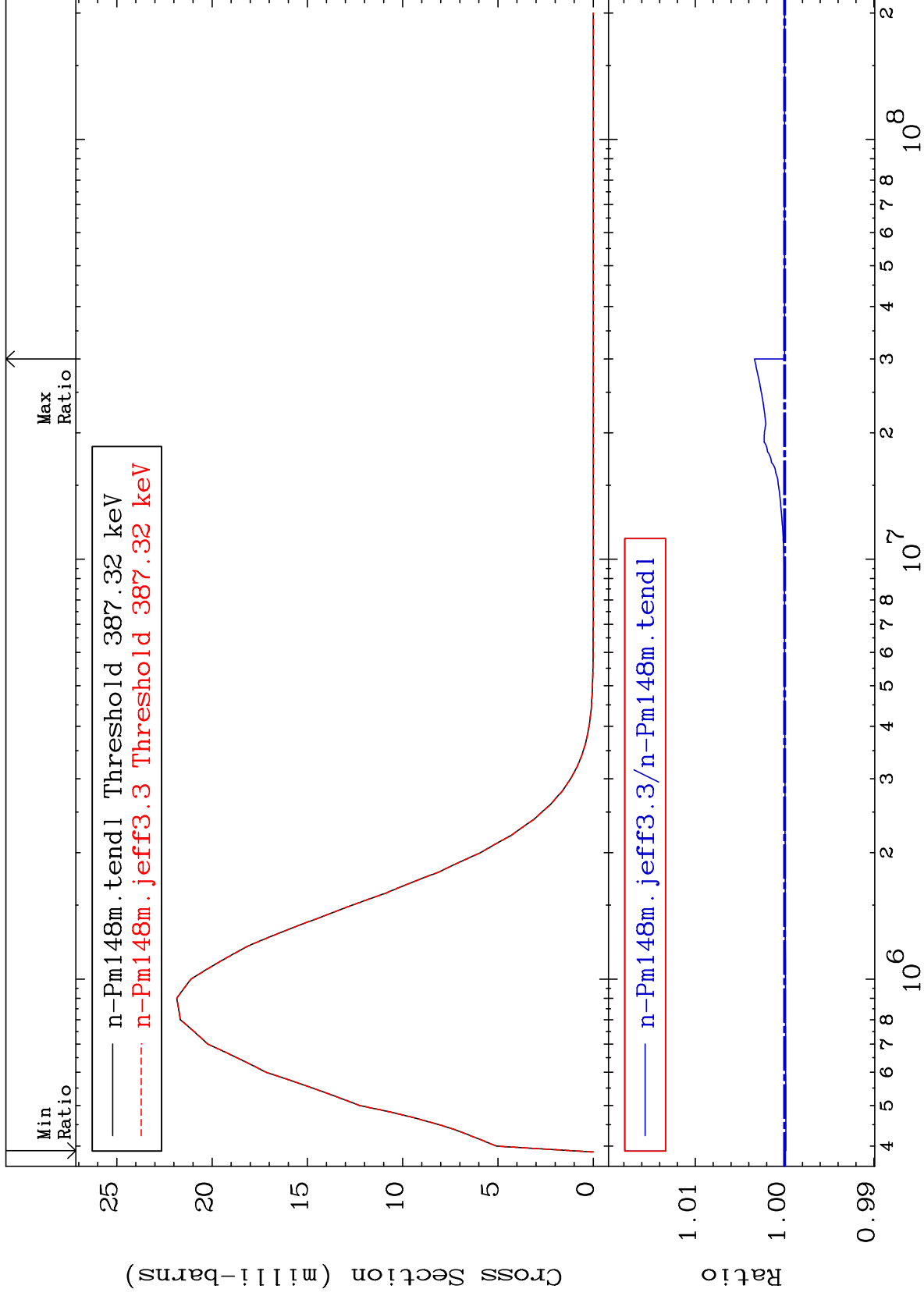
61-Pm-148
-0.015 To 0.337 %



MAT 6153

MT= 74 (n,n') Level
Cross Section

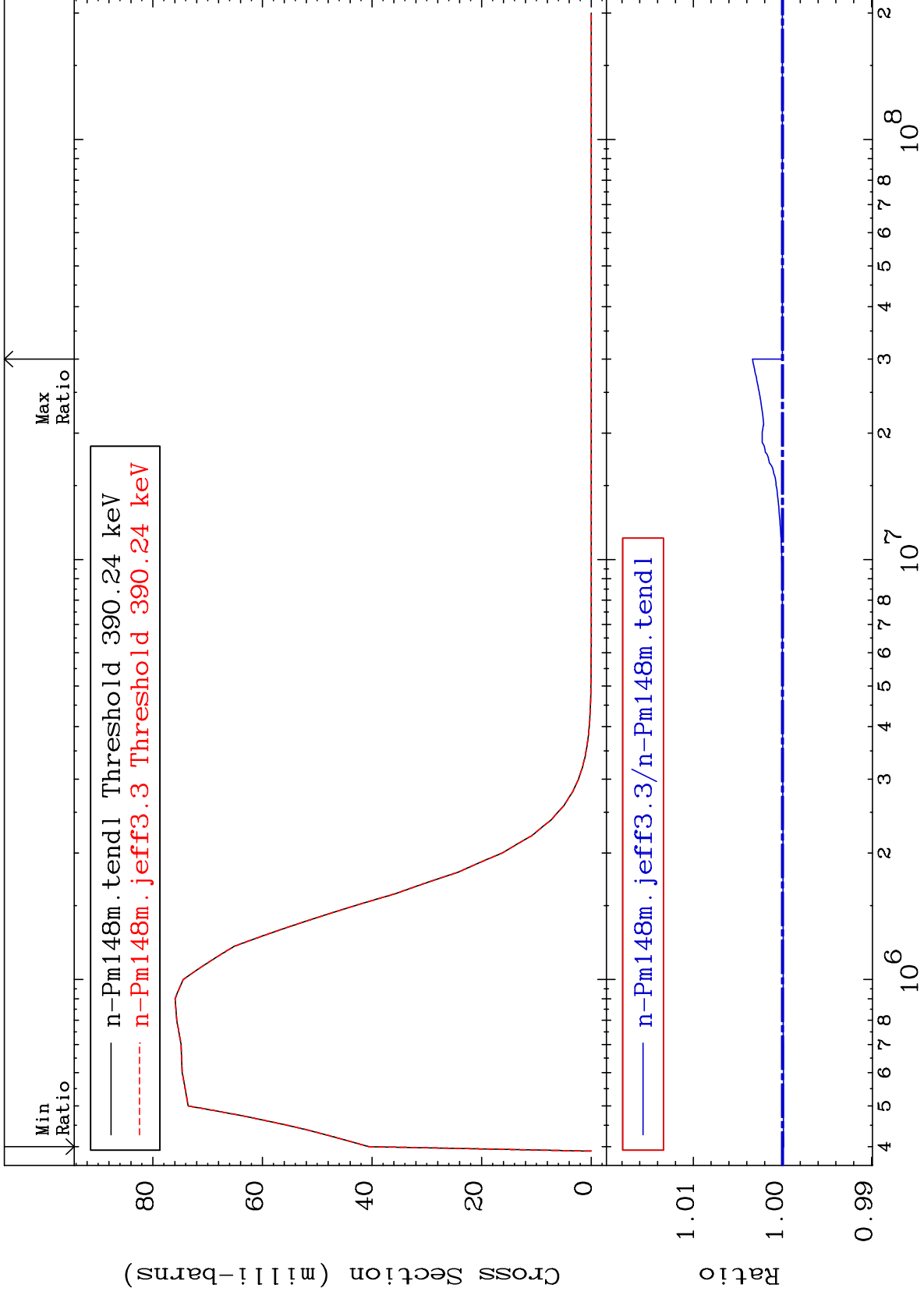
61-Pm-148
-0.014 To 0.337 %



MAT 6153

MT= 75 (n,n') Level
Cross Section

61-Pm-148
-0.012 To 0.337 %



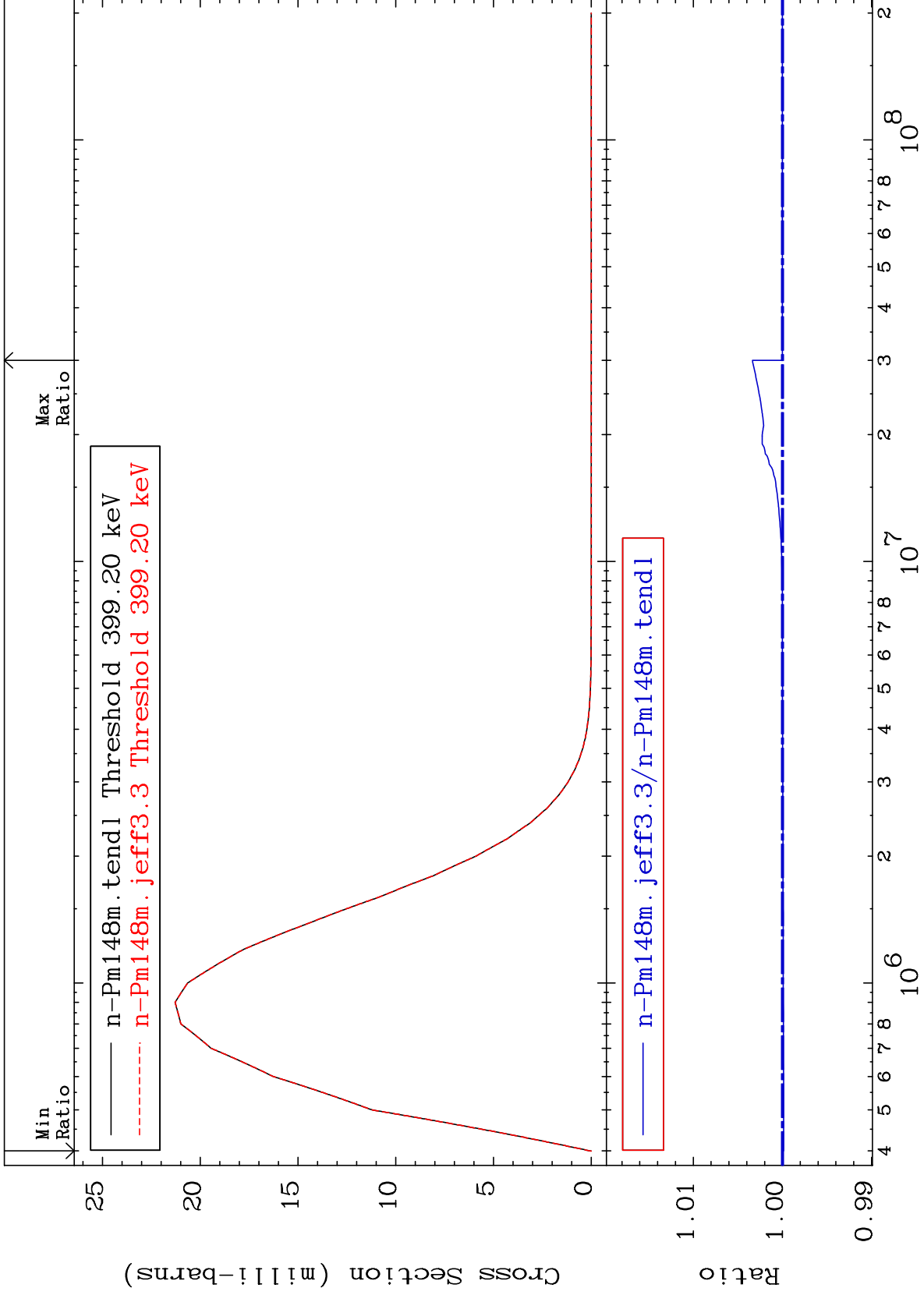
45

61-Pm-148

MAT 6153

MT= 76 (n,n') Level
Cross Section

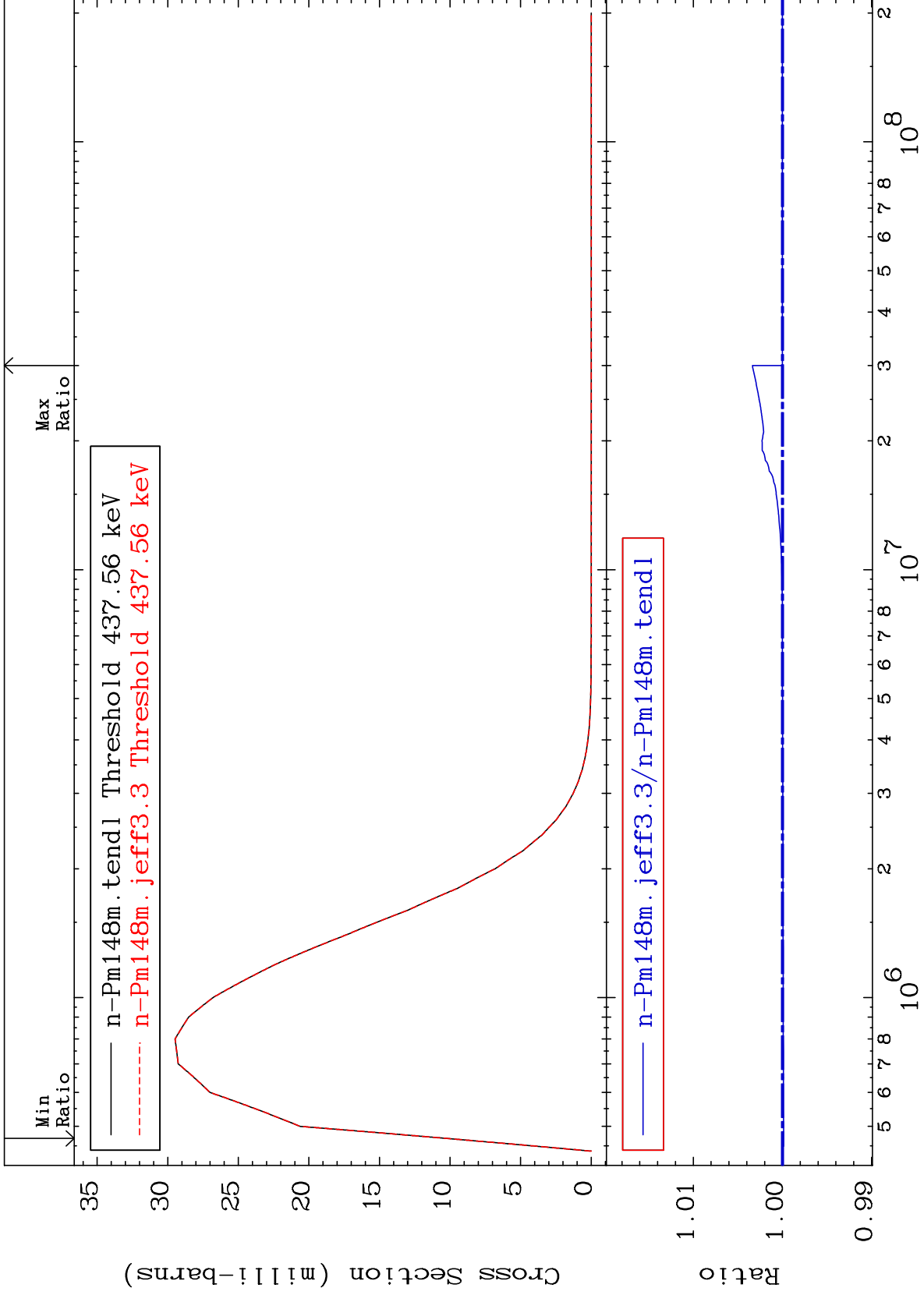
61-Pm-148
-0.012 To 0.337 %



MAT 6153

MT= 77 (n,n') Level
Cross Section

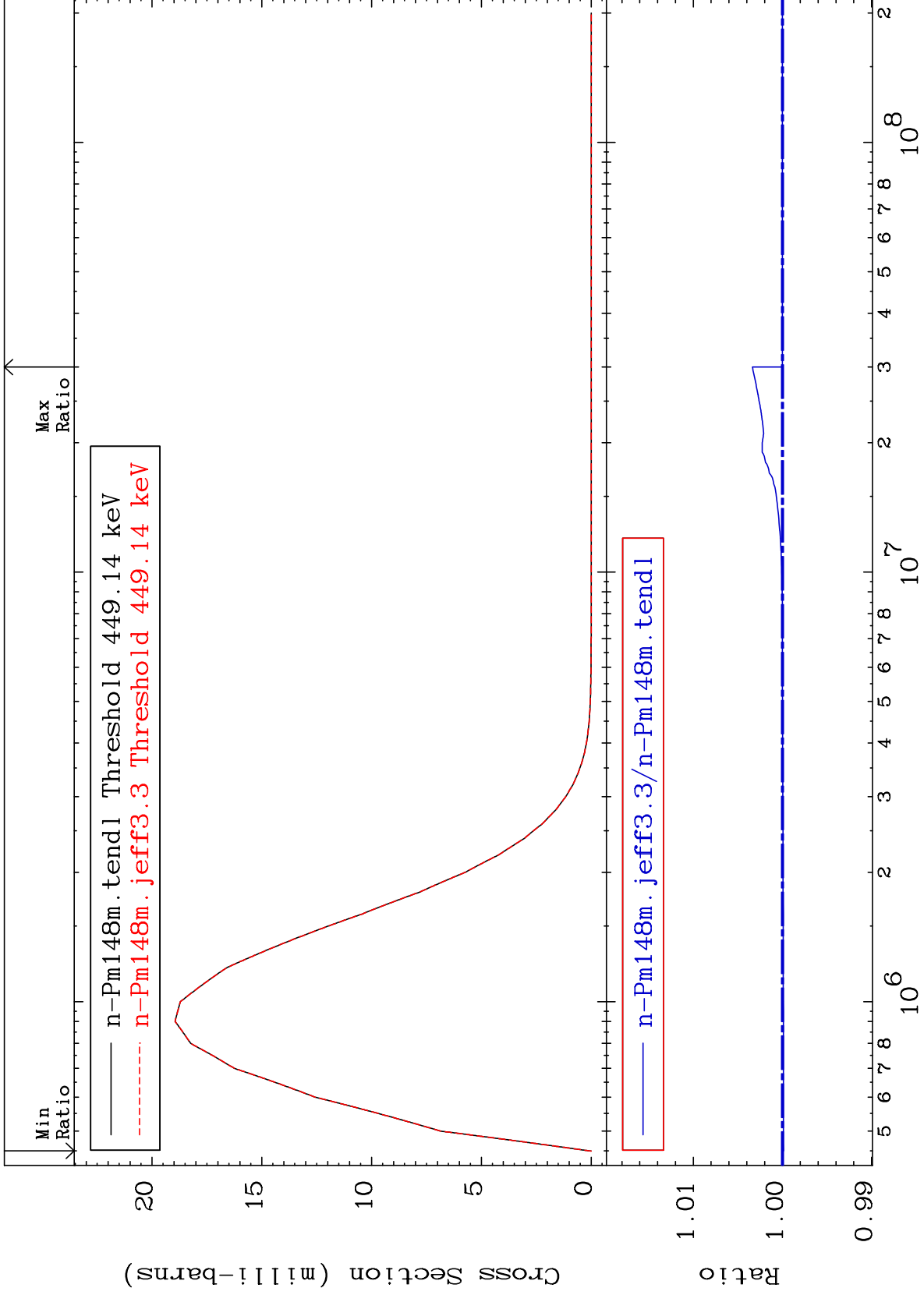
61-Pm-148
-0.013 To 0.337 %



MAT 6153

MT= 78 (n,n') Level
Cross Section

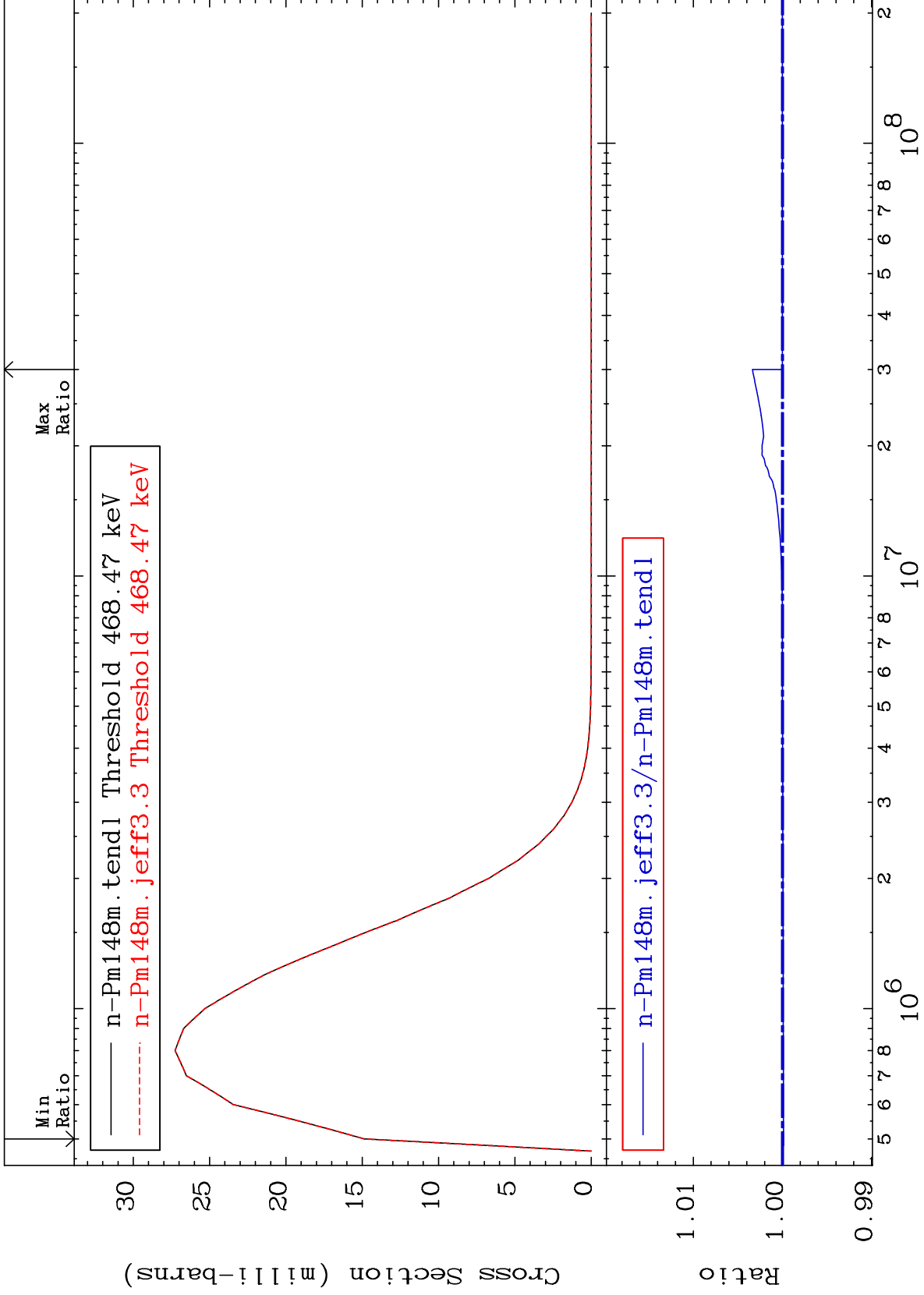
61-Pm-148
-0.012 To 0.337 %



MAT 6153

MT= 79 (n,n') Level
Cross Section

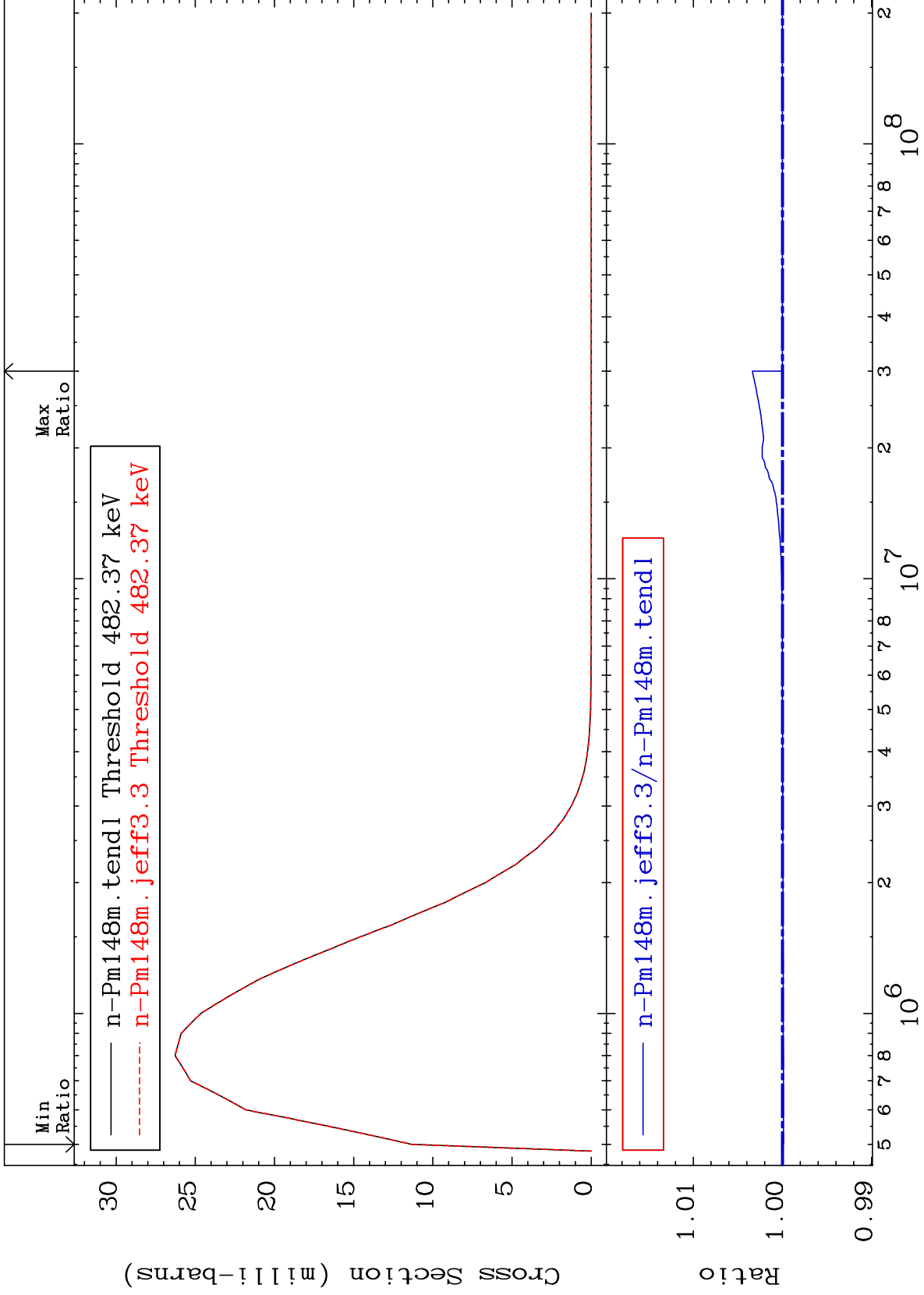
61-Pm-148
-0.012 To 0.337 %



MAT 6153

MT= 80 (n,n') Level
Cross Section

61-Pm-148
-0.012 To 0.337 %



50

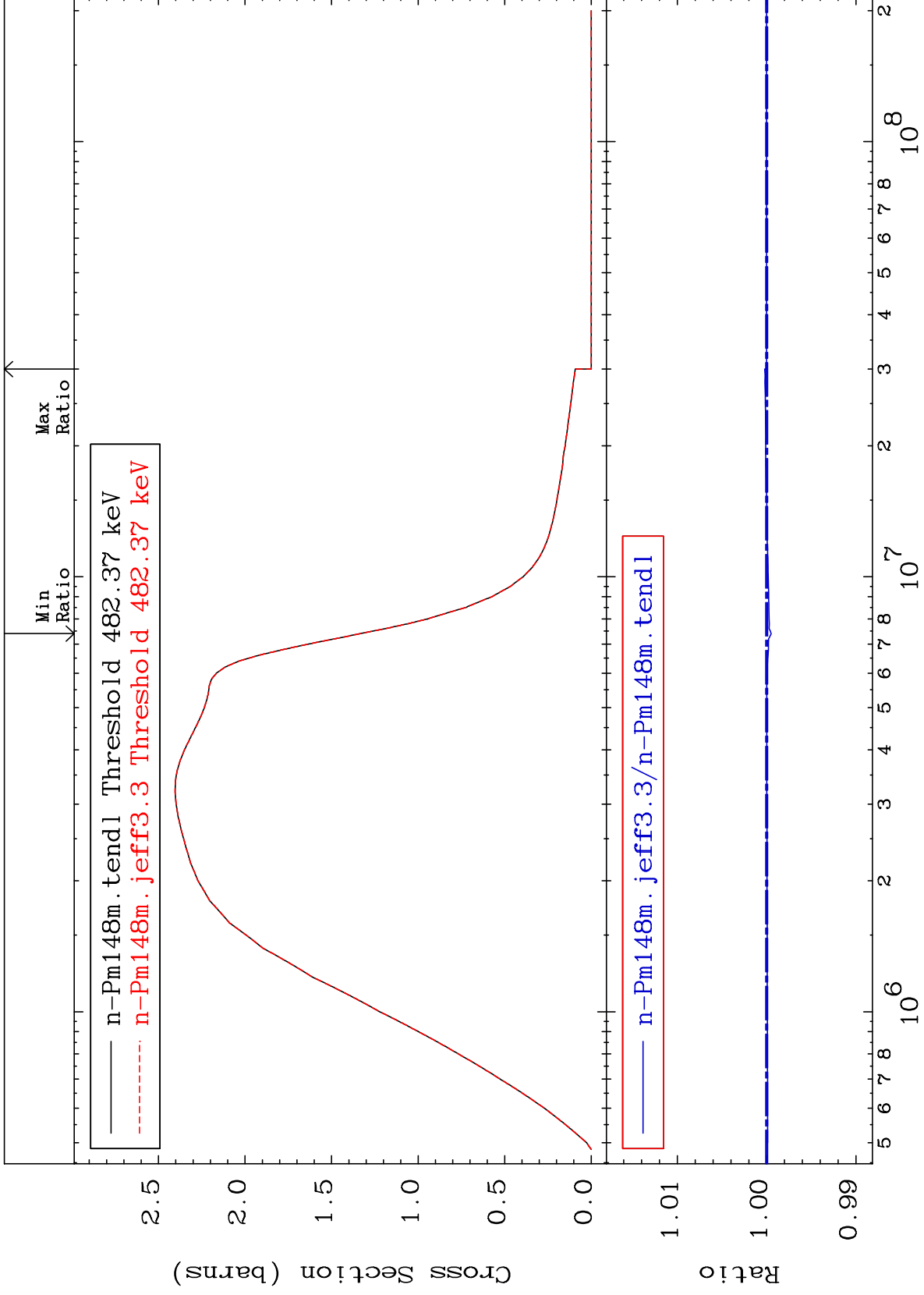
Incident Energy (eV)

61-Pm-148

MAT 6153

(n, n') Continuum
Cross Section

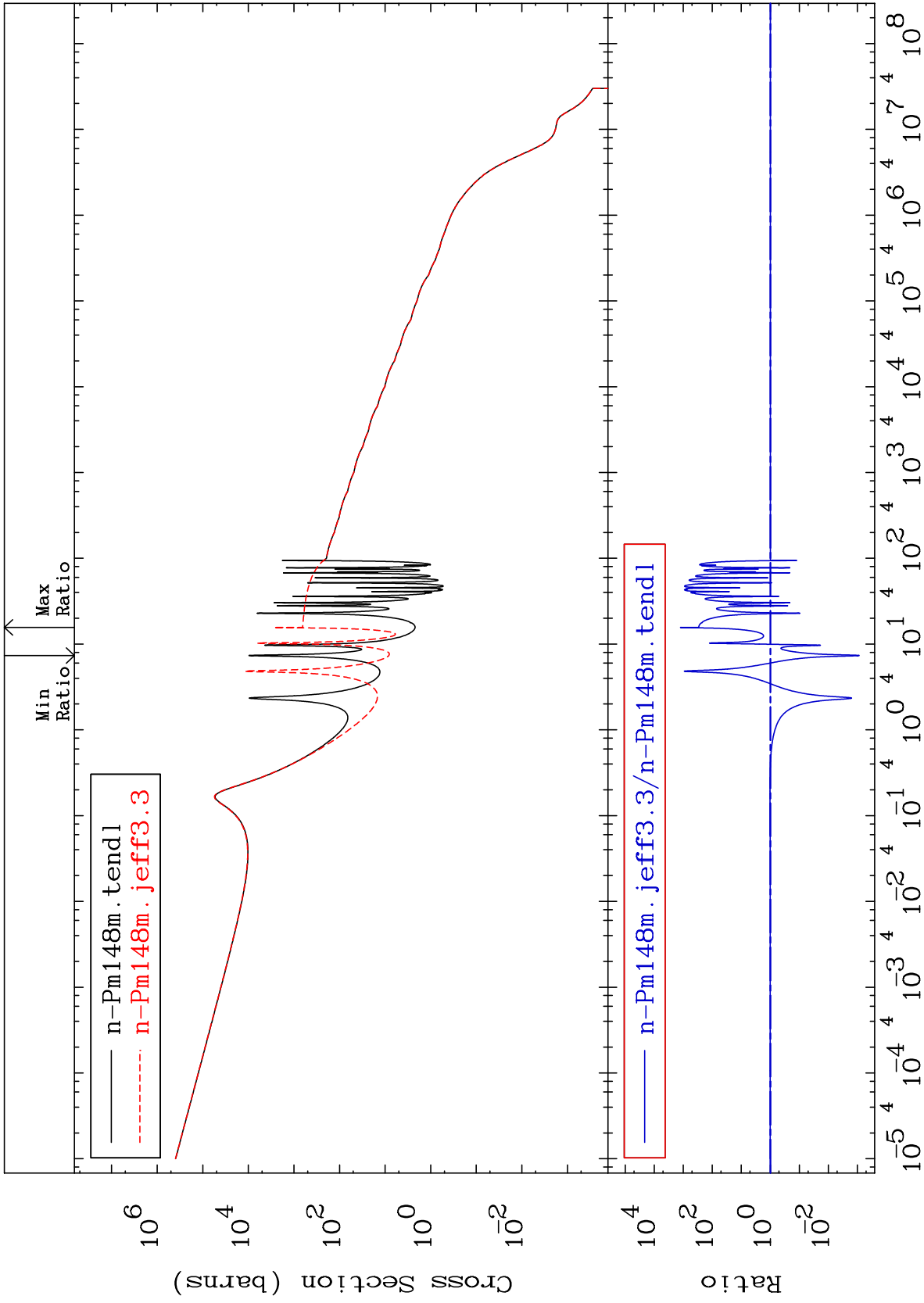
61-Pm-148
-0.052 To 0.023 %



MAT 6153

(n, γ)
Cross Section

61-Pm-148
-99.92 To 9999. %



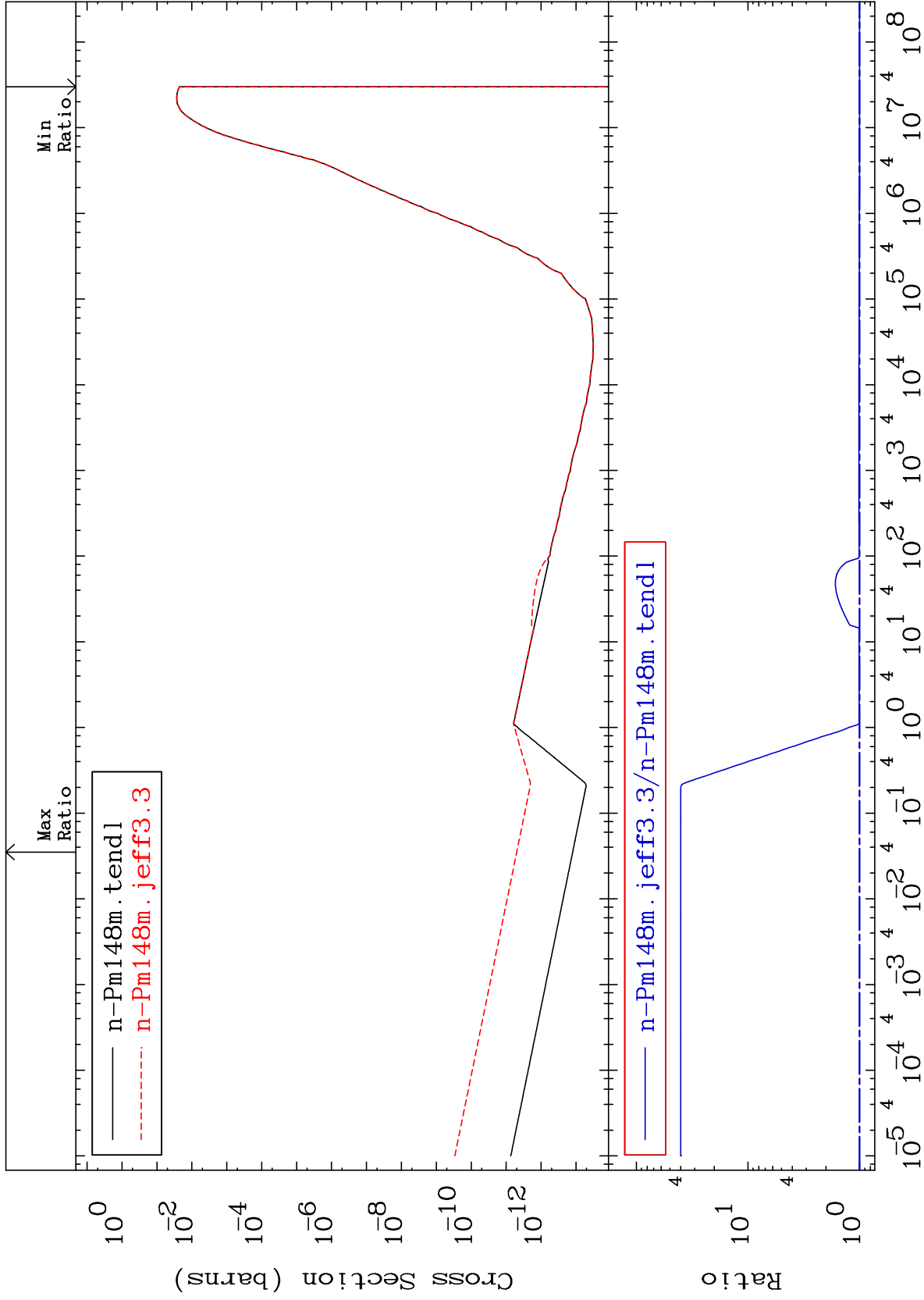
MAT 6153

(n,p)

61-Pm-148

Cross Section

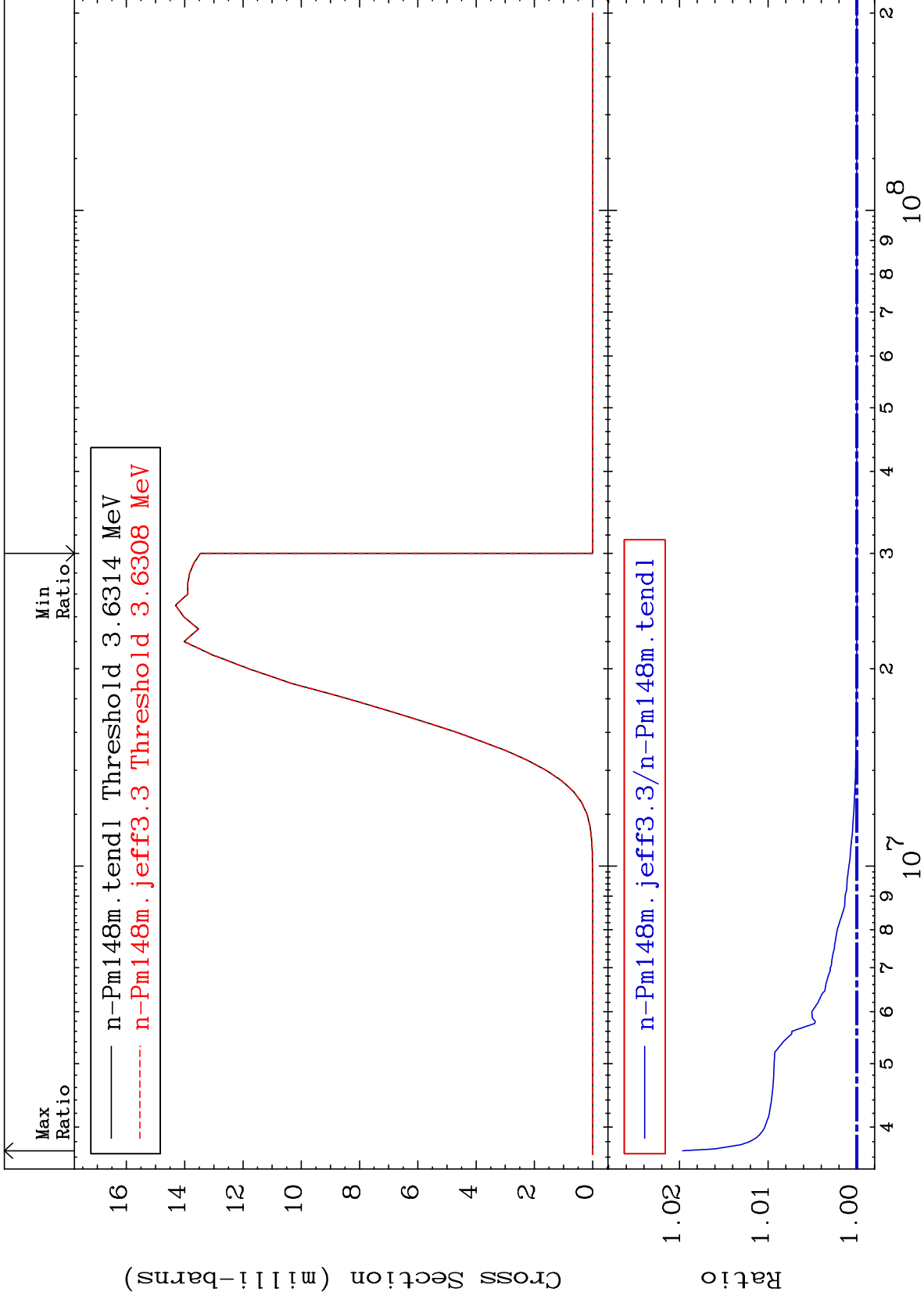
0.000 To 3895. %



MAT 6153

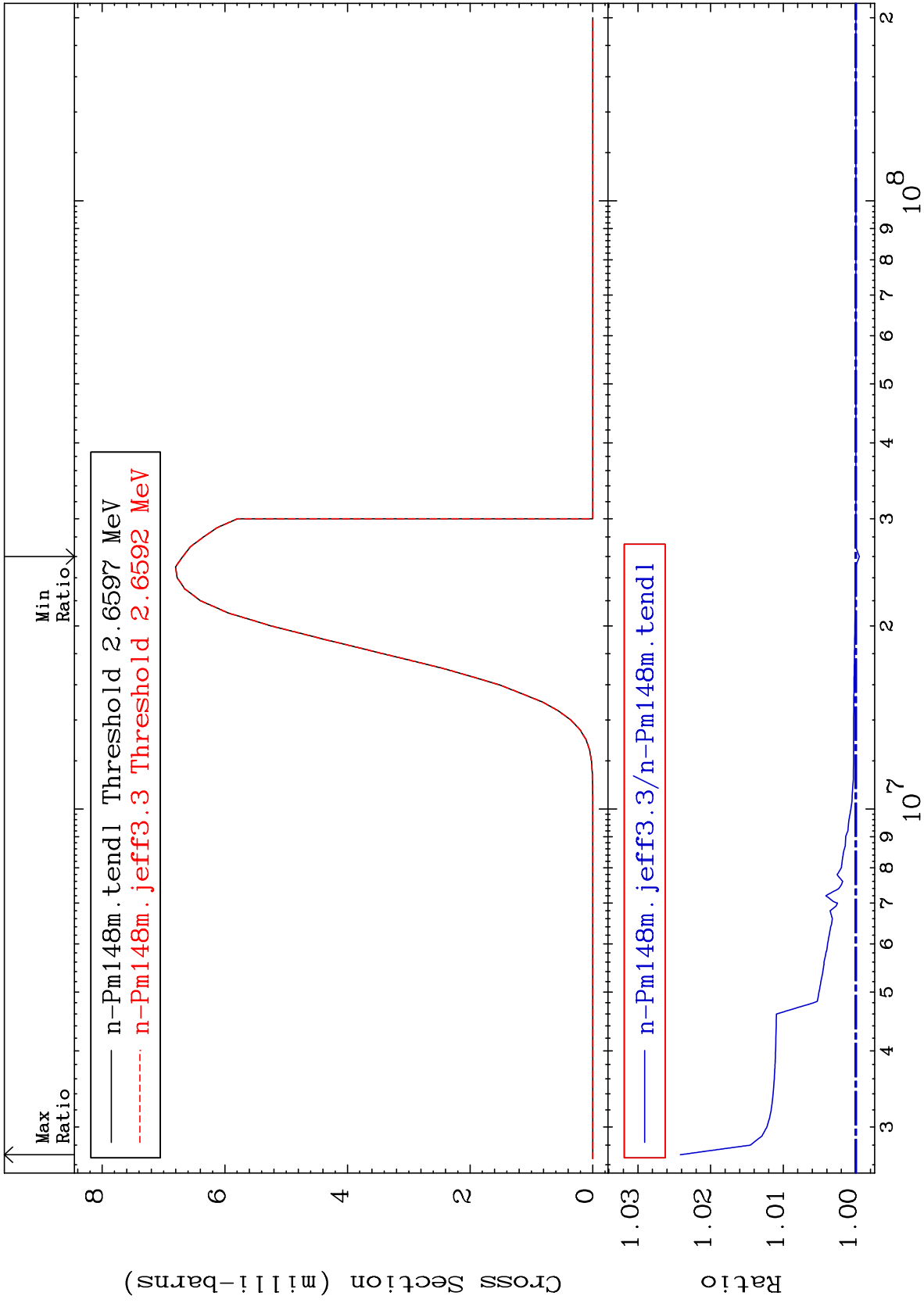
(n, d)
Cross Section

61-Pm-148
-0.004 To 1.963 %



MAT 6153

(n, t)
Cross Section
61-Pm-148
-0.049 To 2.416 %

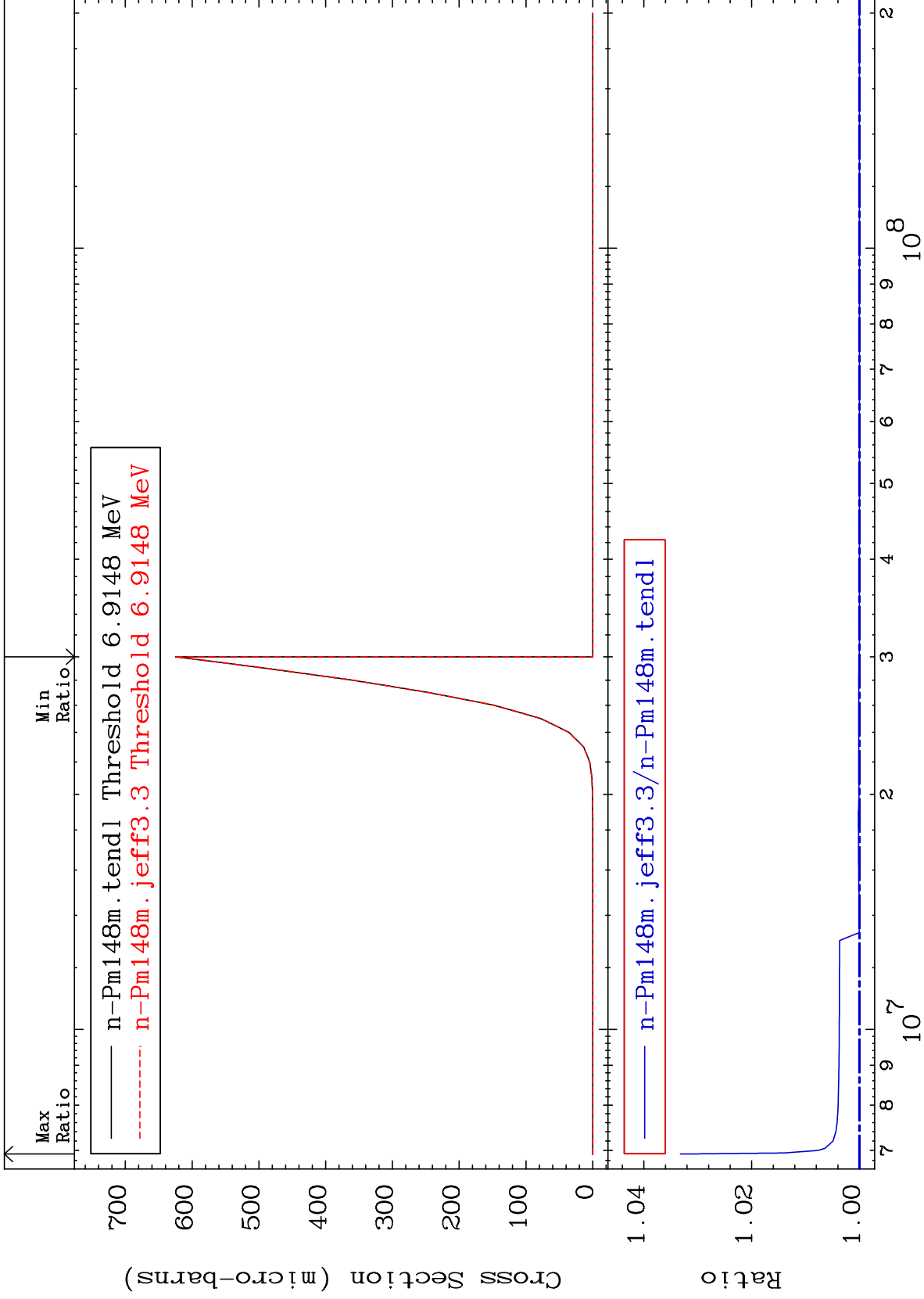


MAT 6153

(n, He-3)

61-Pm-148
0.000 To 3.324 %

Cross Section



56

Incident Energy (eV)

61-Pm-148

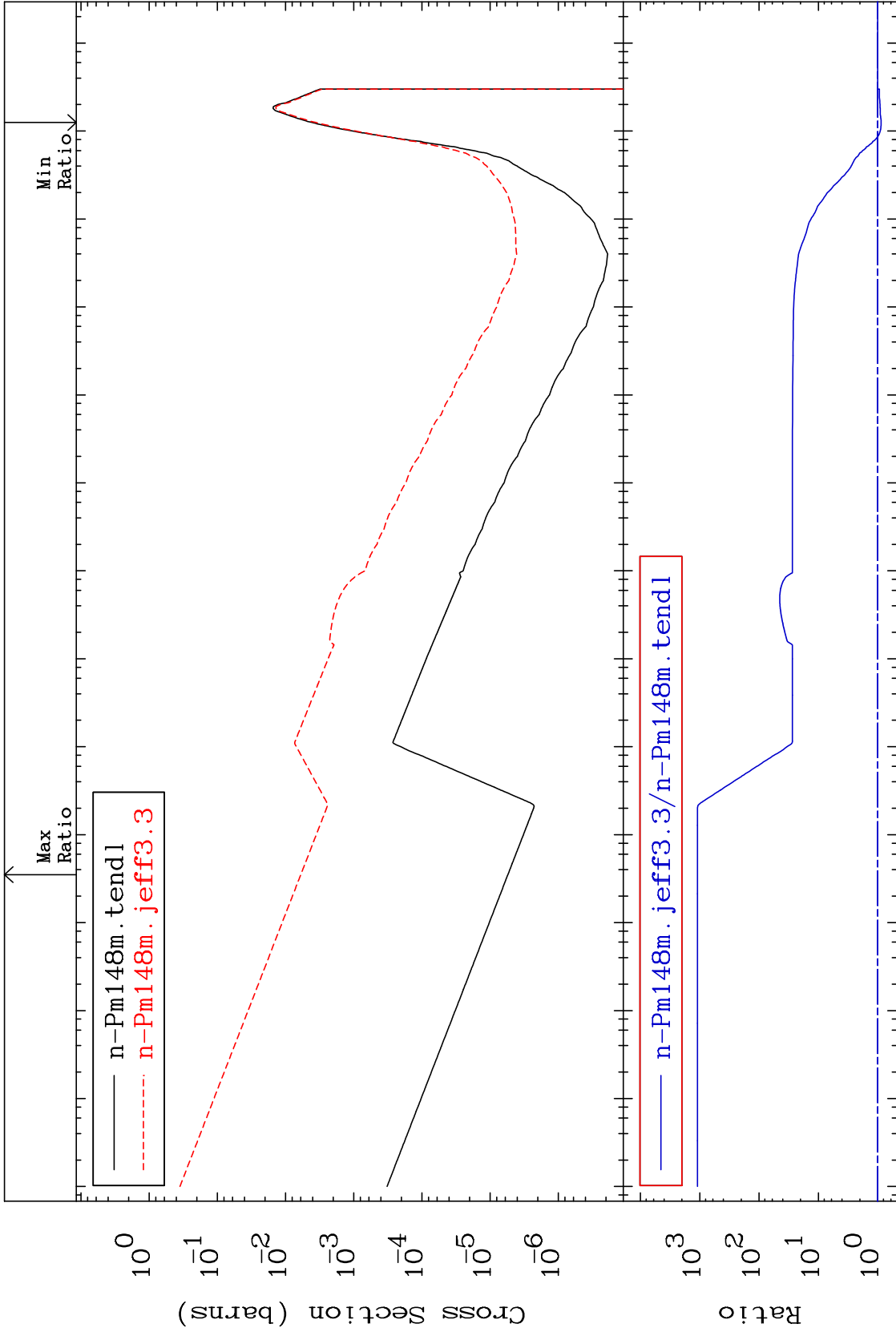
MAT 6153

(n, α)

61-Pm-148

Cross Section

-12.17 To 9999. %



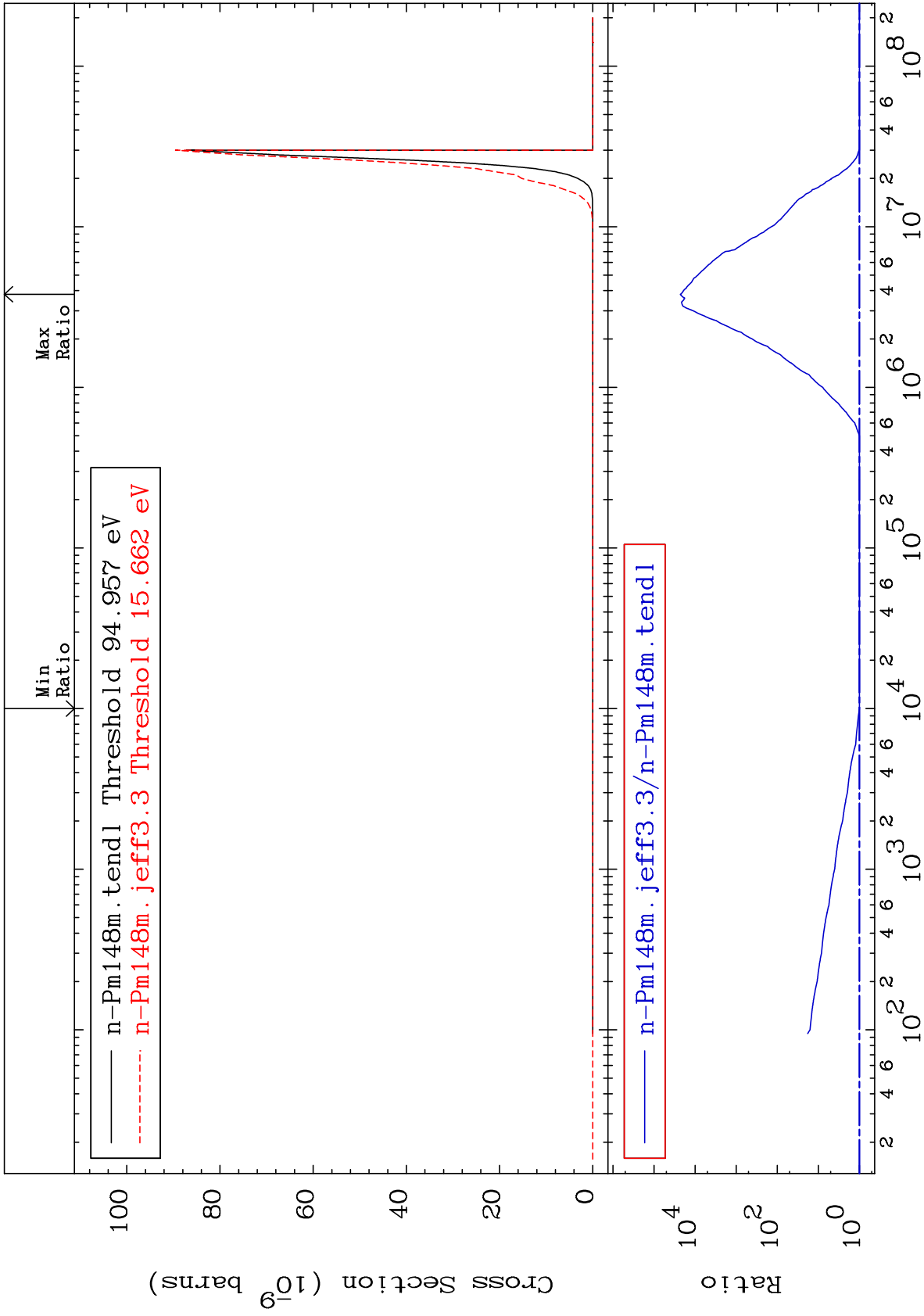
— n-Pm148m.tendl
- - - n-Pm148m.jeff3.3

— n-Pm148m.jeff3.3/n-Pm148m.tendl

Incident Energy (eV)

61-Pm-148

57

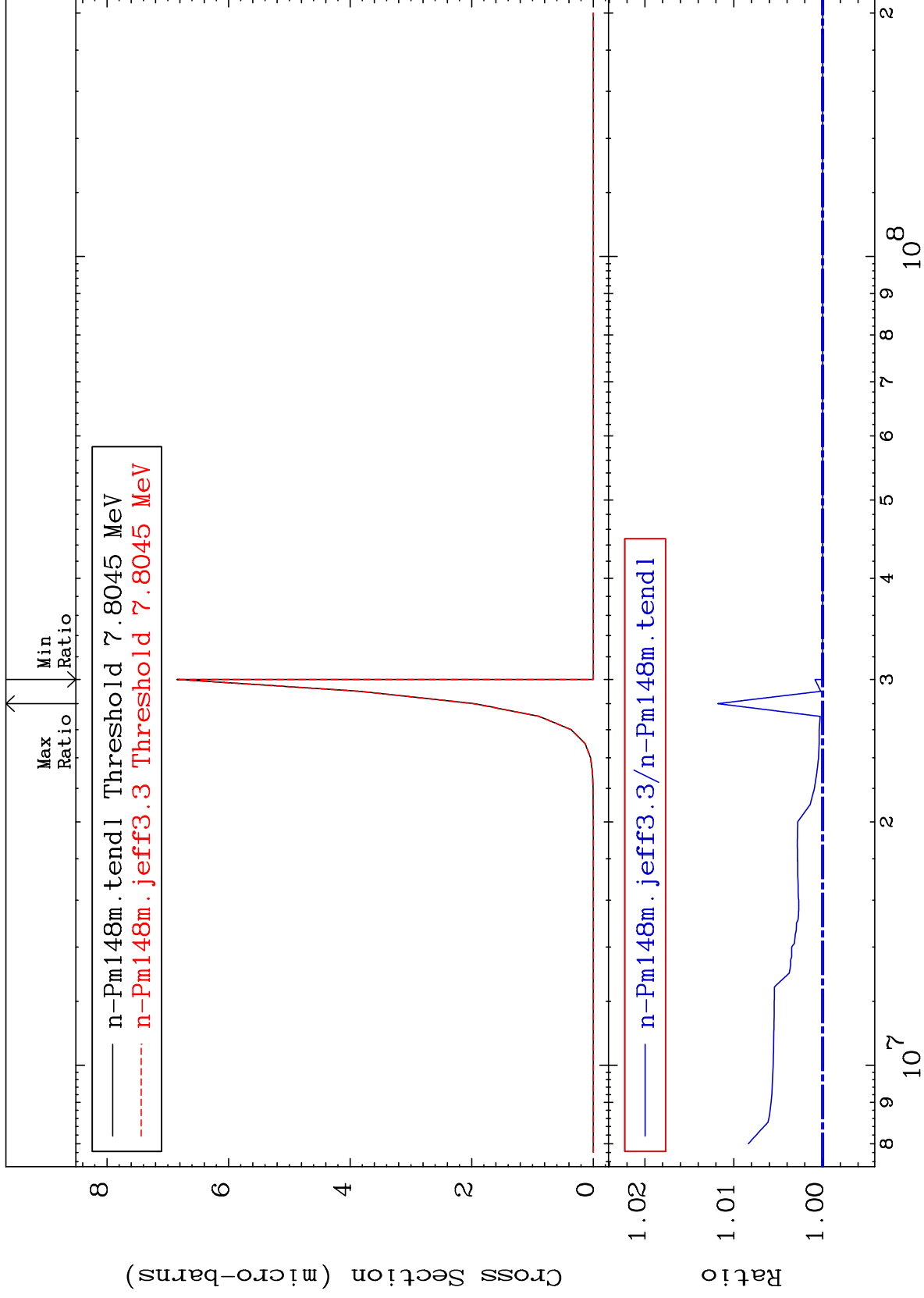


MAT 6153

(n,2p)

61-Pm-148
0.000 To 1.181 %

Cross Section



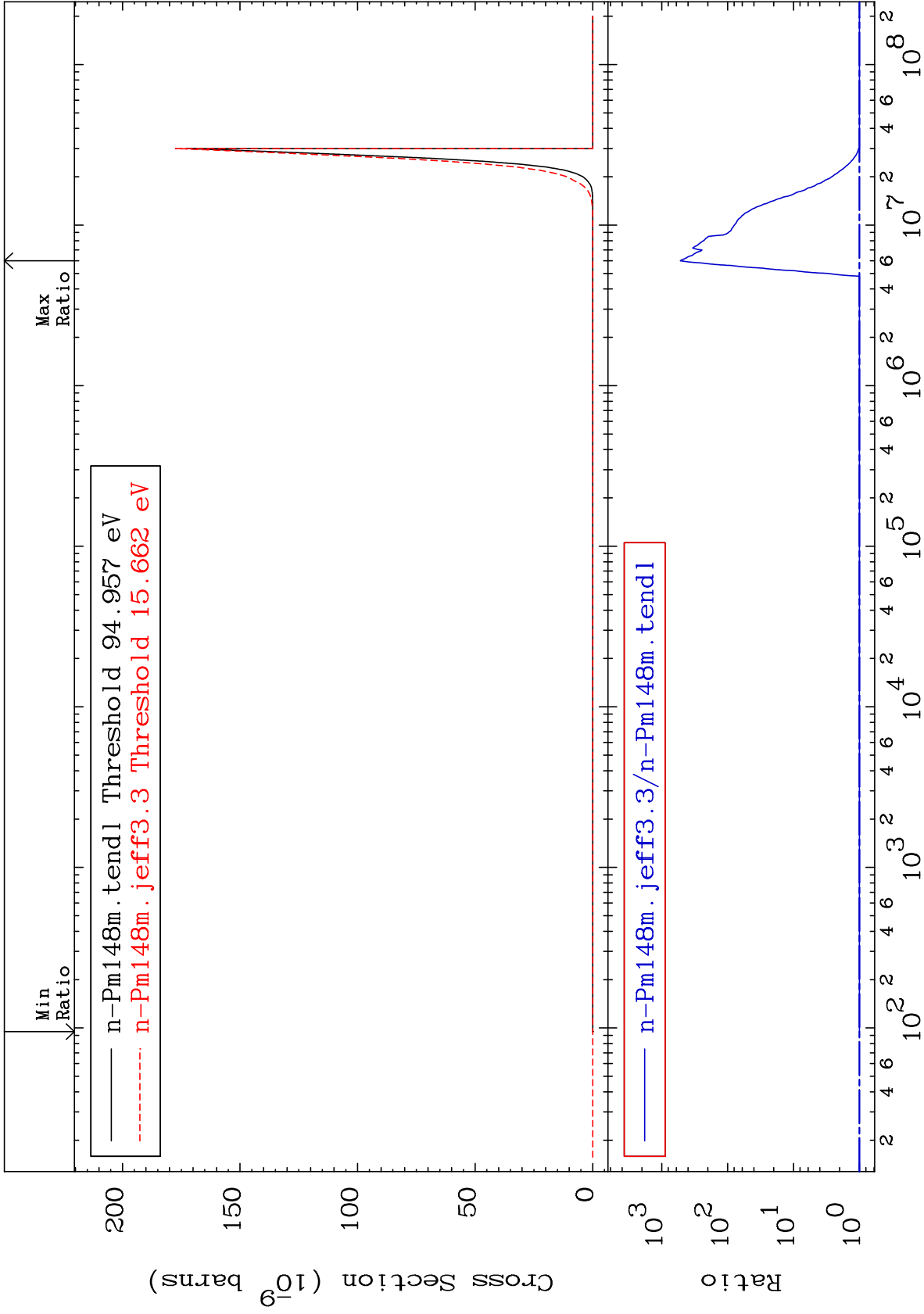
MAT 6153

(n,p) α

61-Pm-148

Cross Section

0.000 To 9999. %



60

61-Pm-148

MAT 6153

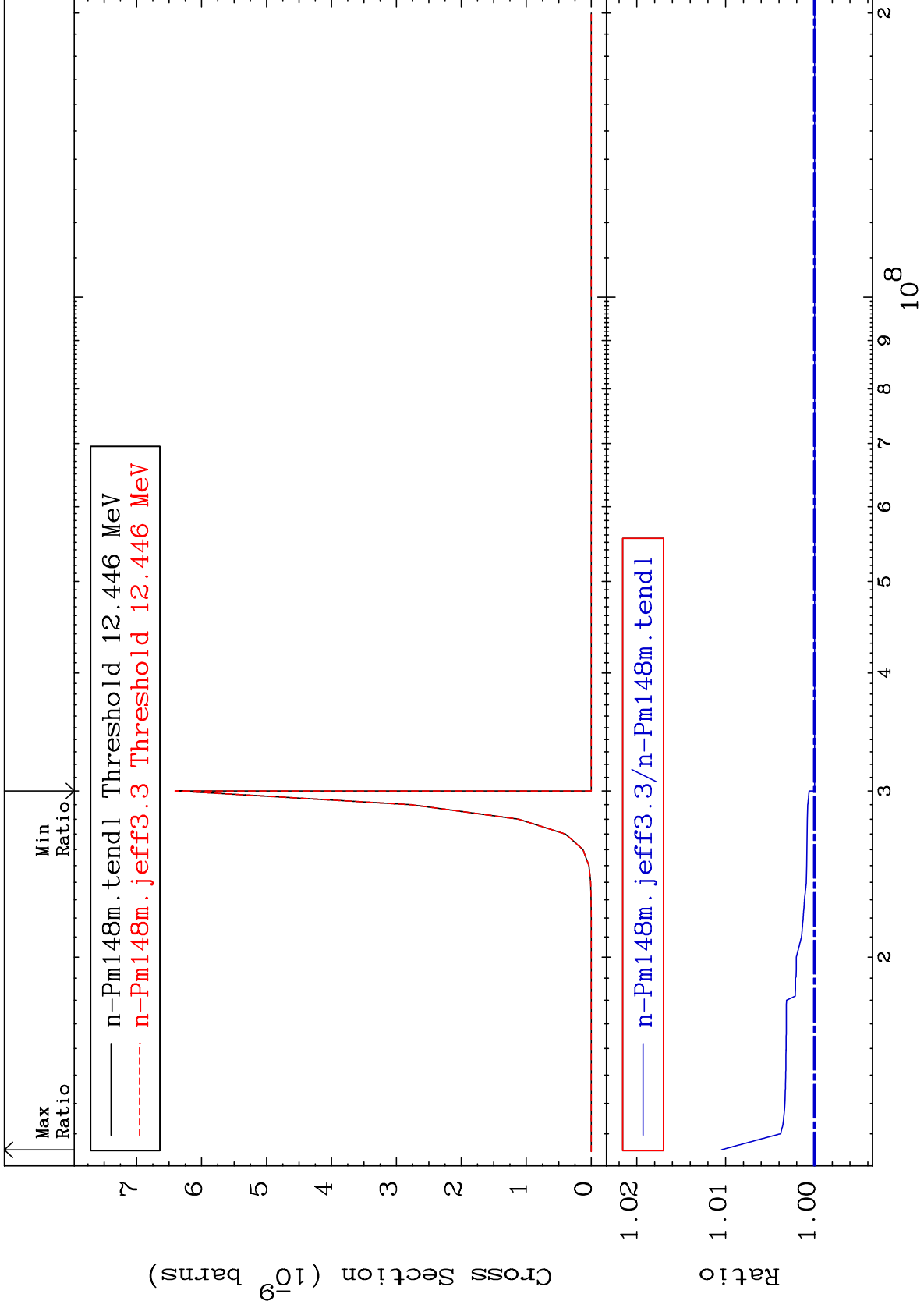
(n,p) d

61-Pm-148

Cross Section

0.000

To 1.049 %



61

Incident Energy (eV)

61-Pm-148

MAT 6153

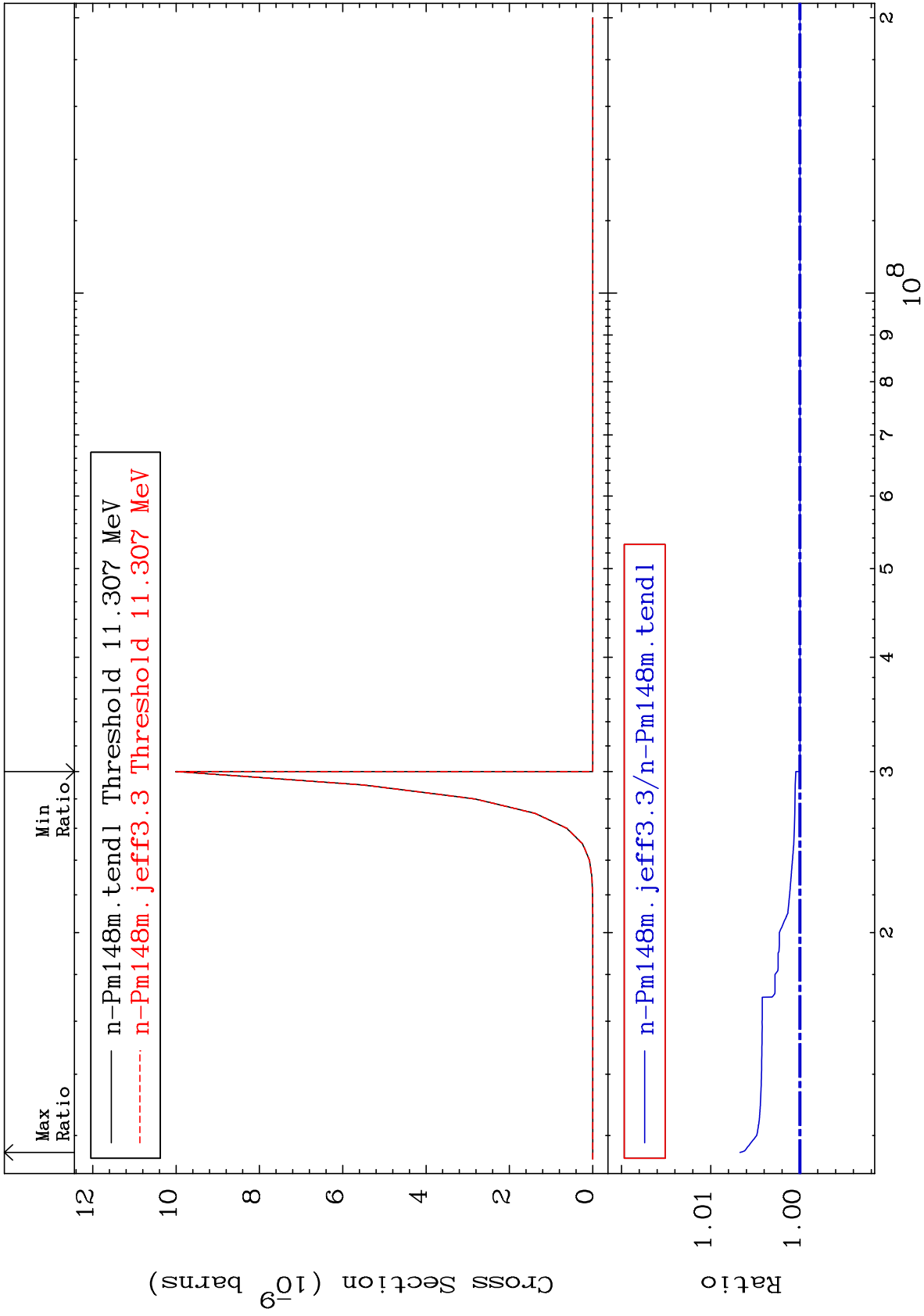
(n,p) t

61-Pm-148

Cross Section

0.000

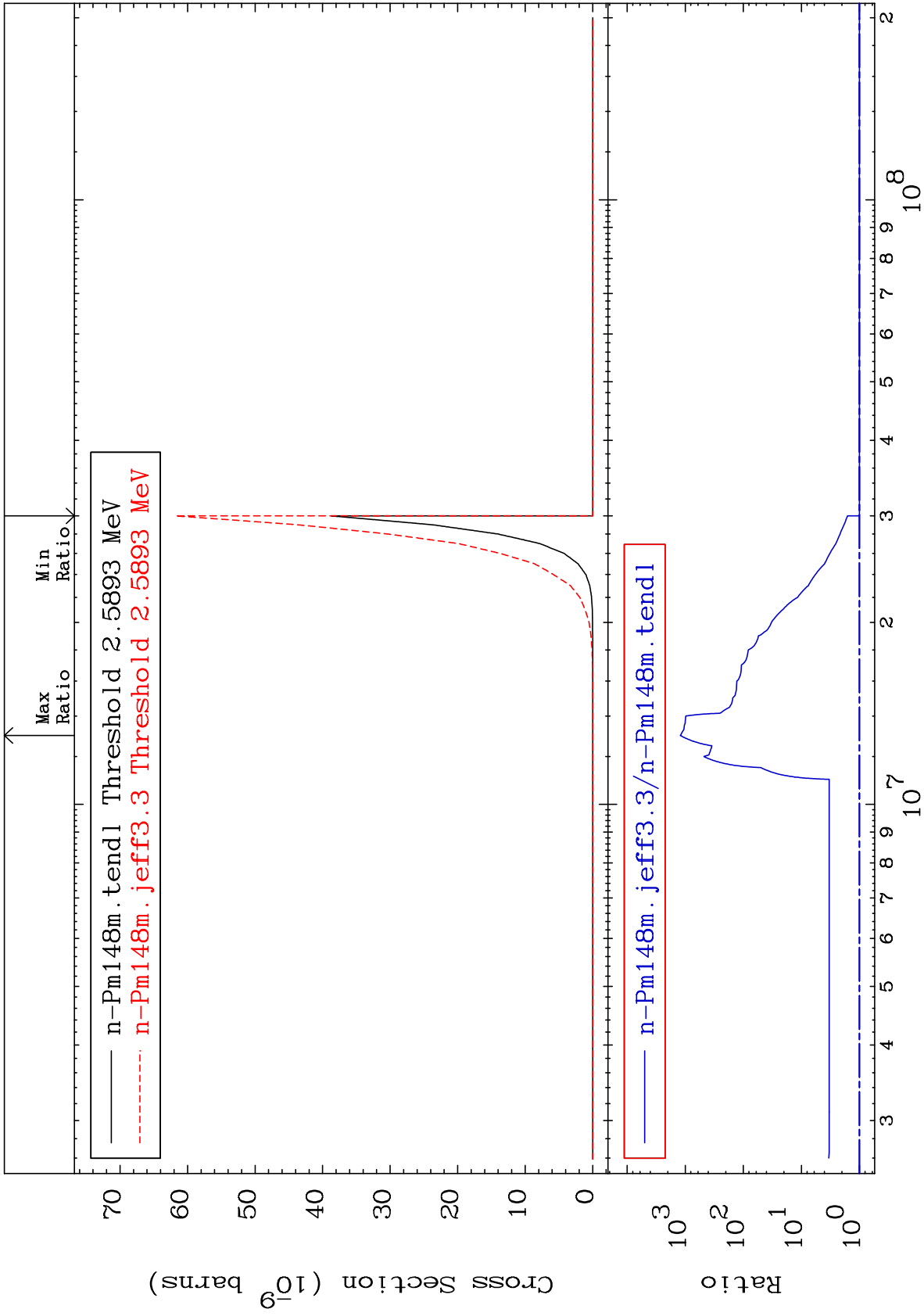
To 0.673 %



MAT 6153

(n, d) α
Cross Section

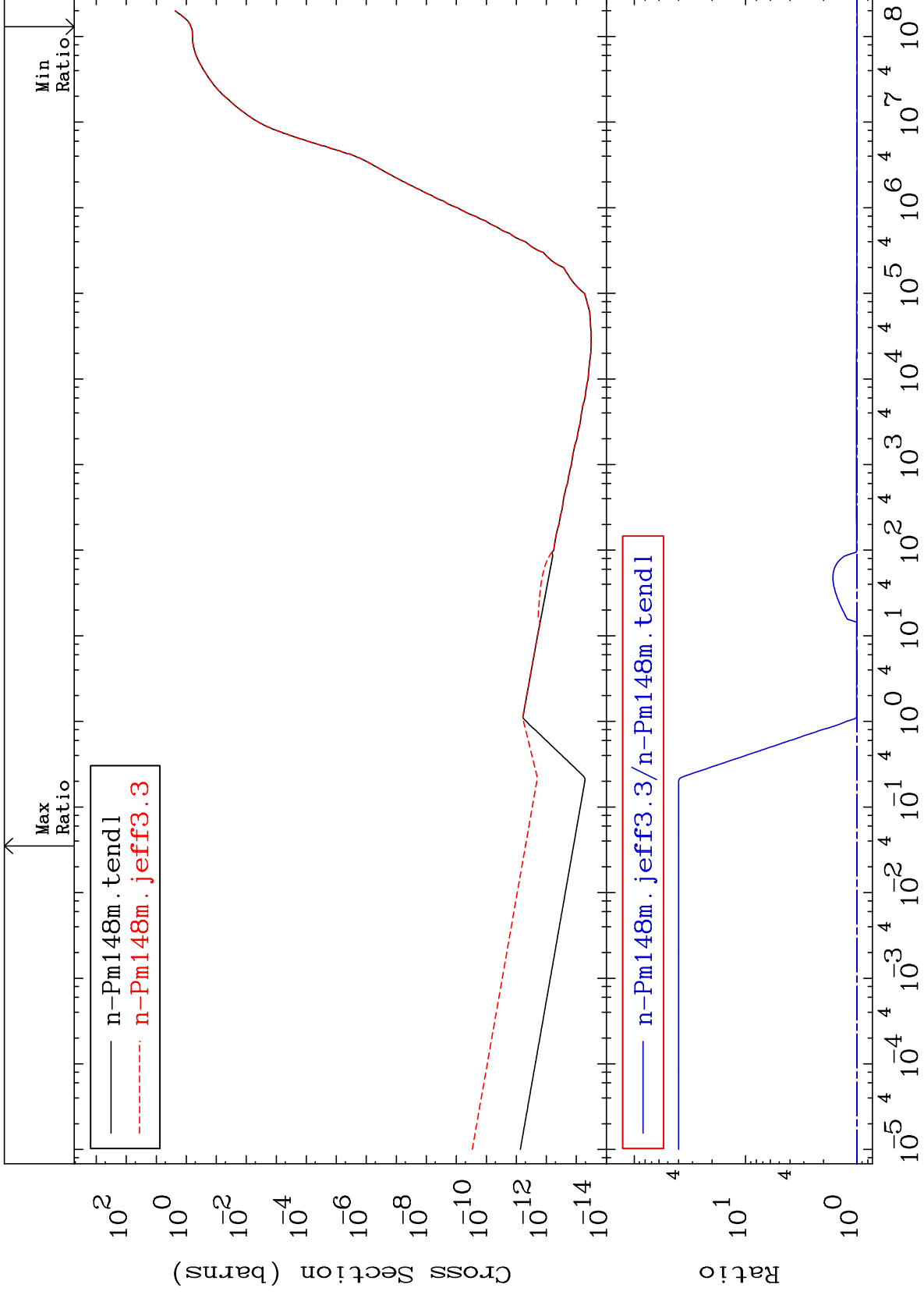
61-Pm-148
To 9999. %

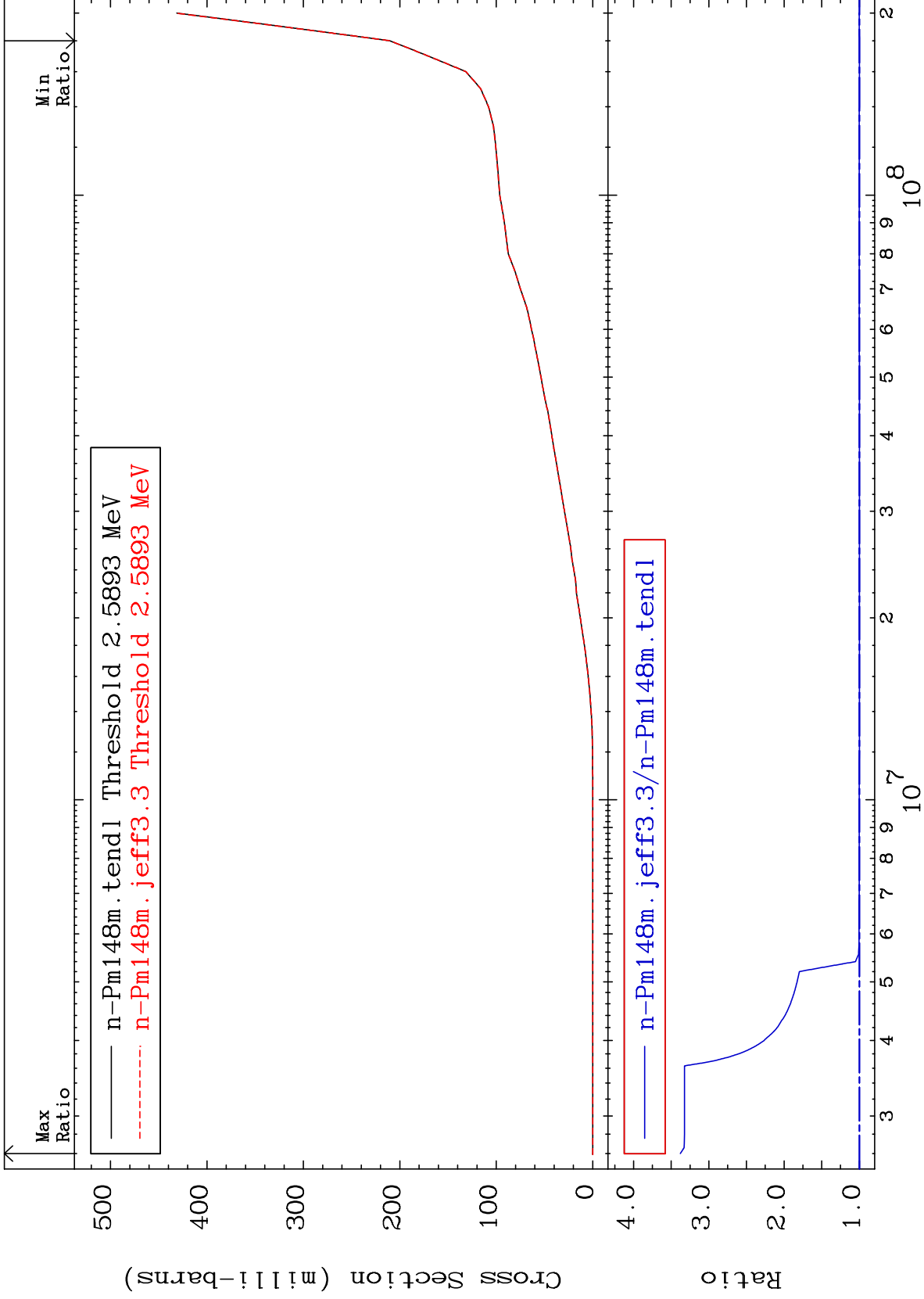


MAT 6153

Hydrogen Production Cross Section

61-Pm-148
-0.456 To 3895. %

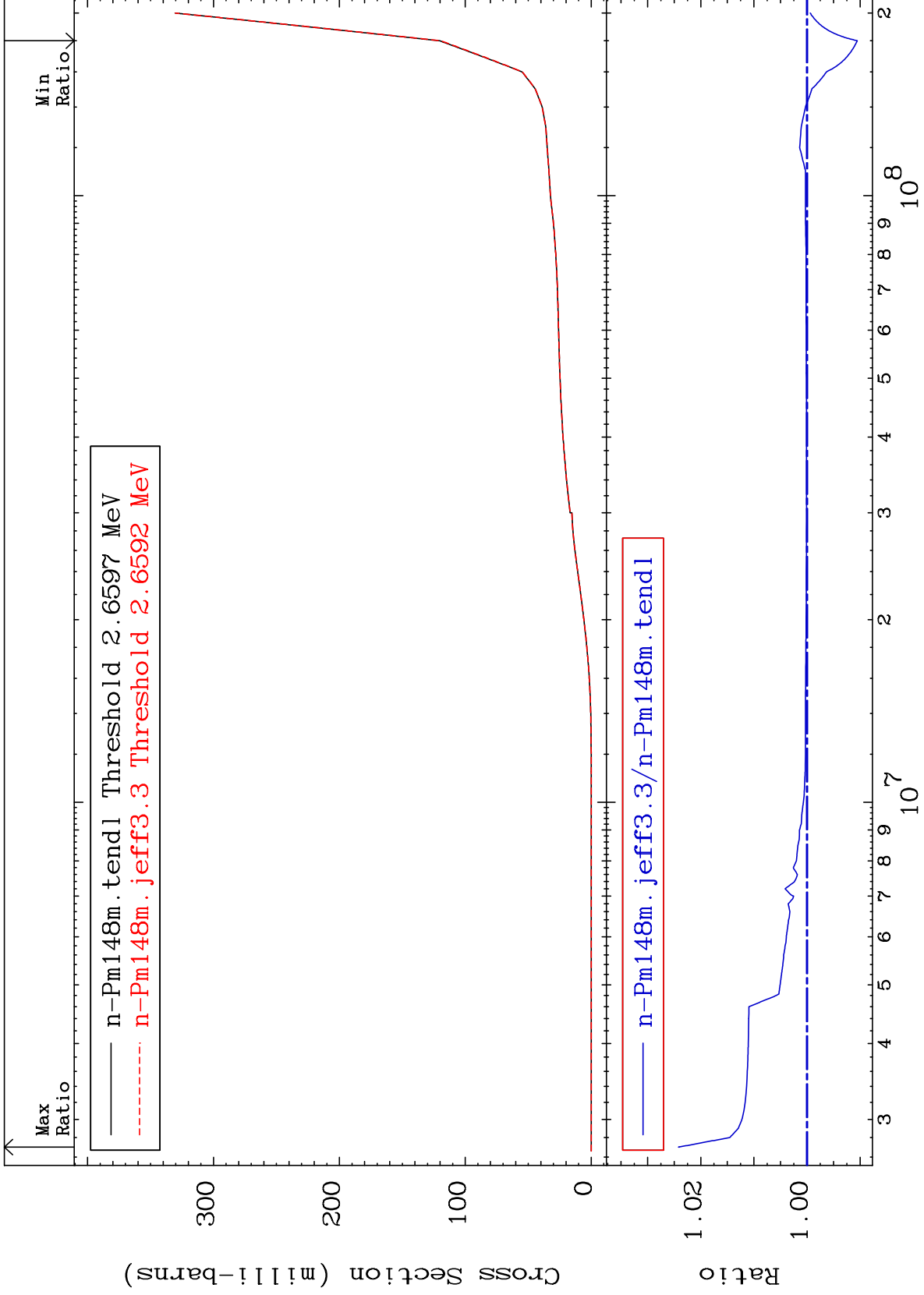




MAT 6153

Tritium Production
Cross Section

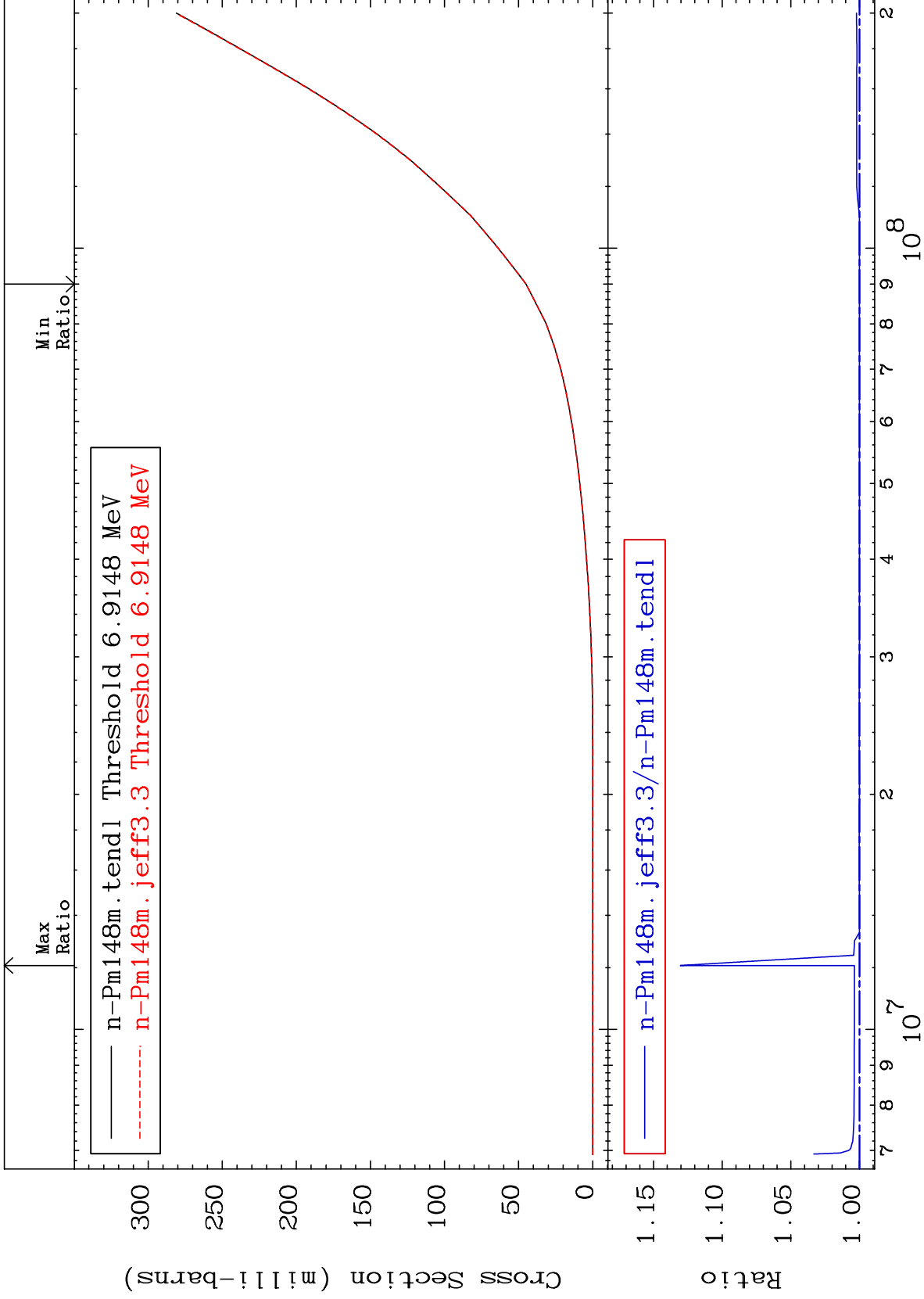
61-Pm-148
-0.945 To 2.416 %



MAT 6153

He-3 Production
Cross Section

61-Pm-148
To 13.05 %



67

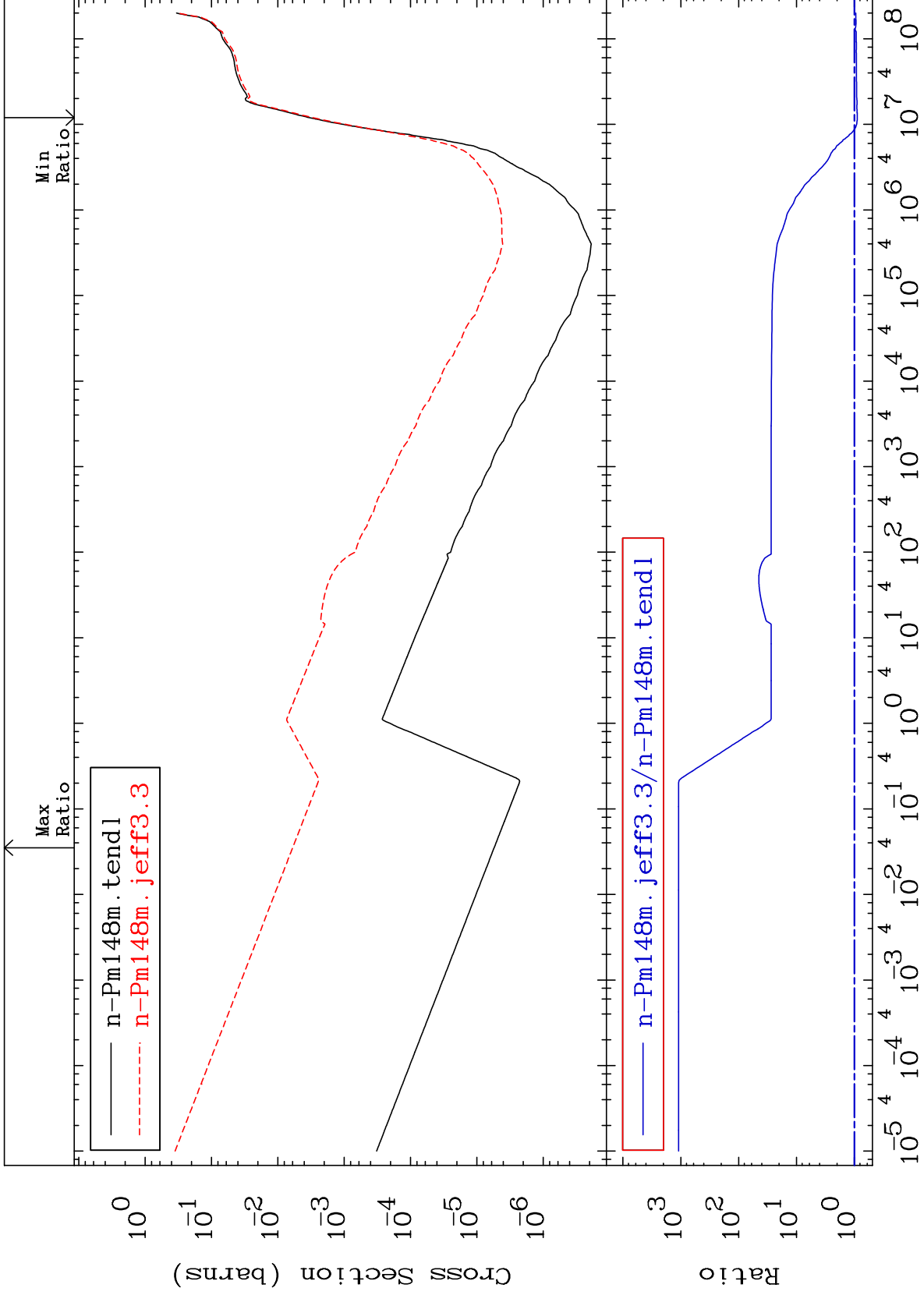
Incident Energy (eV)

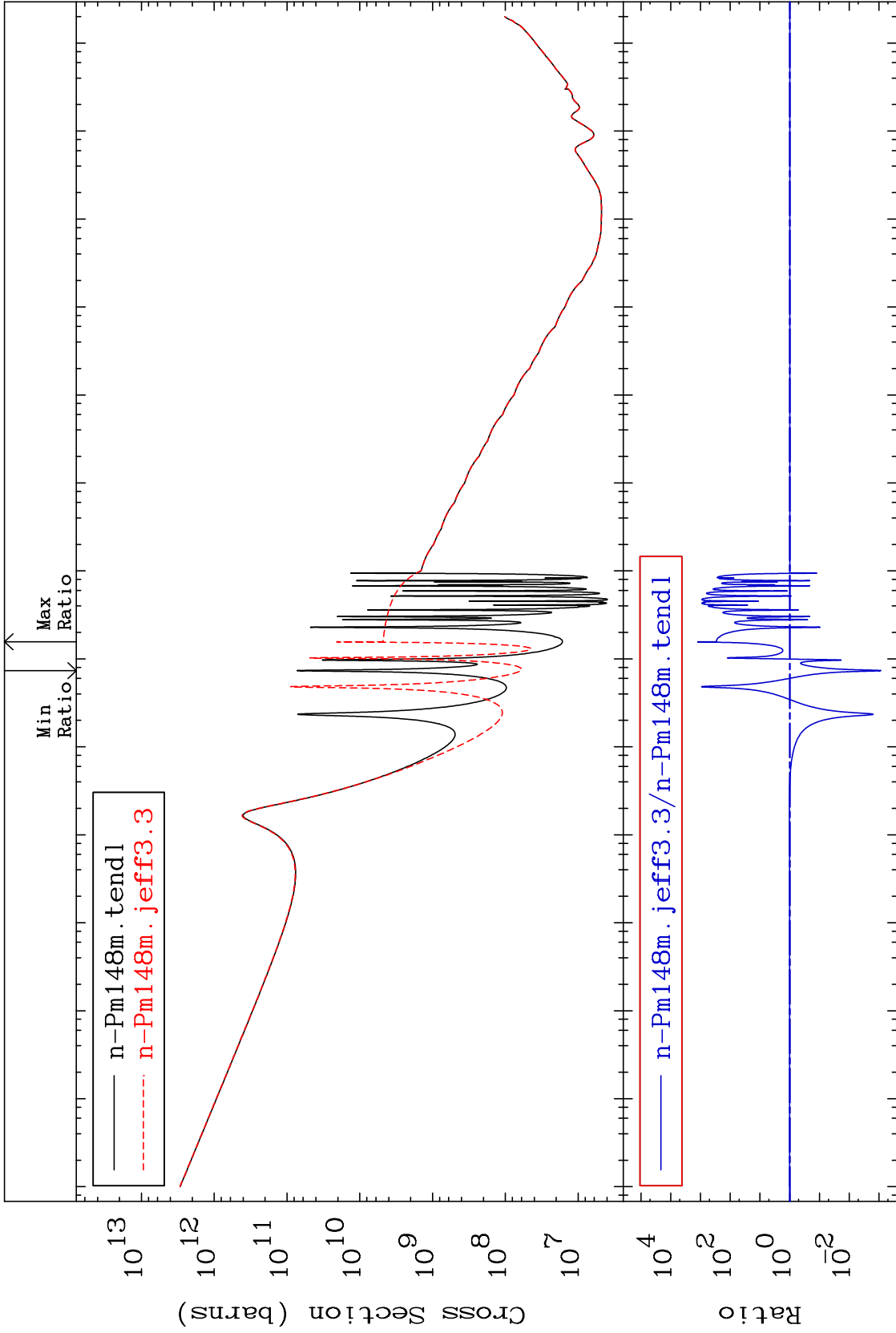
61-Pm-148

MAT 6153

He-4 Production
Cross Section

61-Pm-148
-10.60 To 9999. %

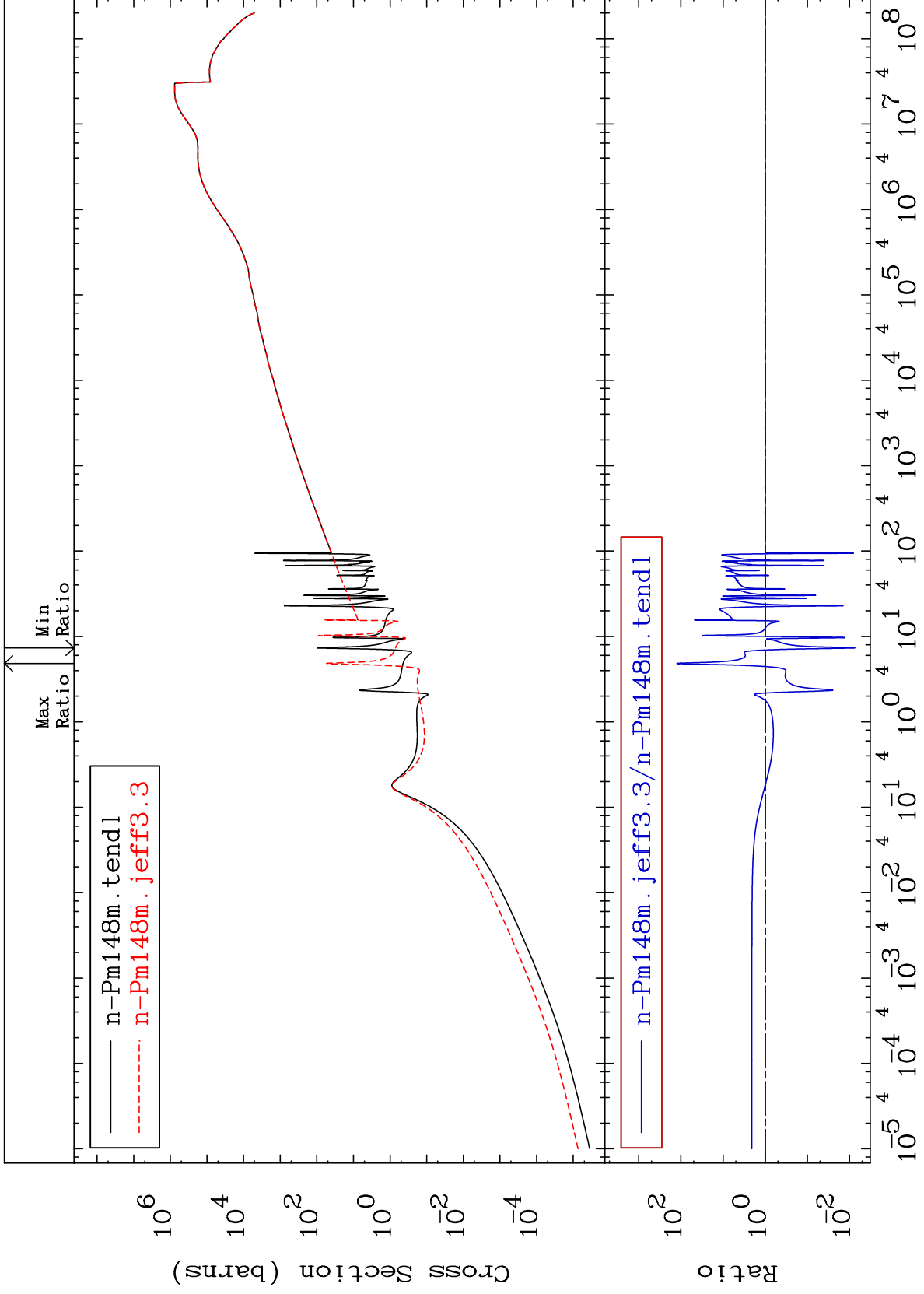




MAT 6153

Kerma elastic
Cross Section

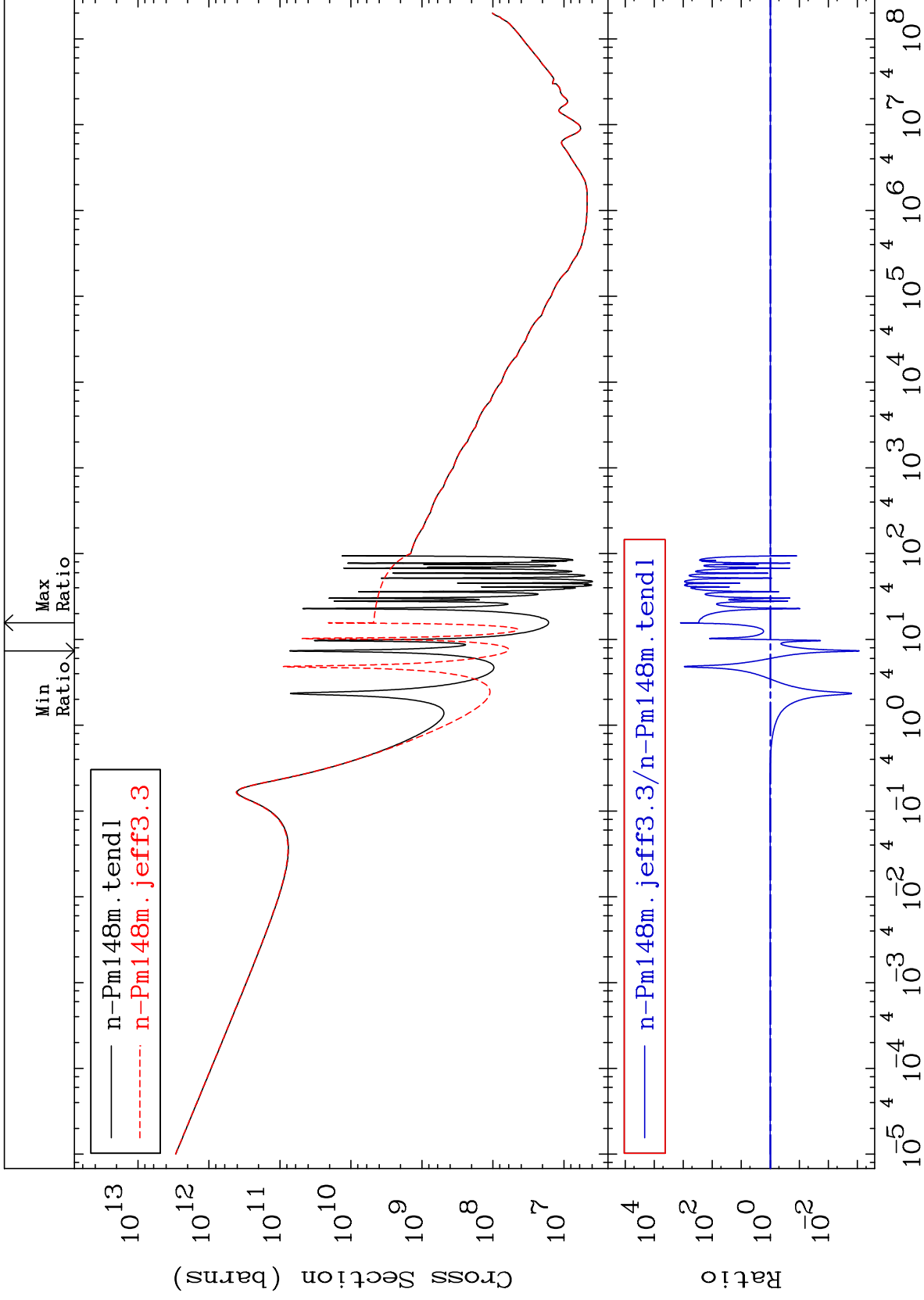
61-Pm-148
-99.27 To 9999. %

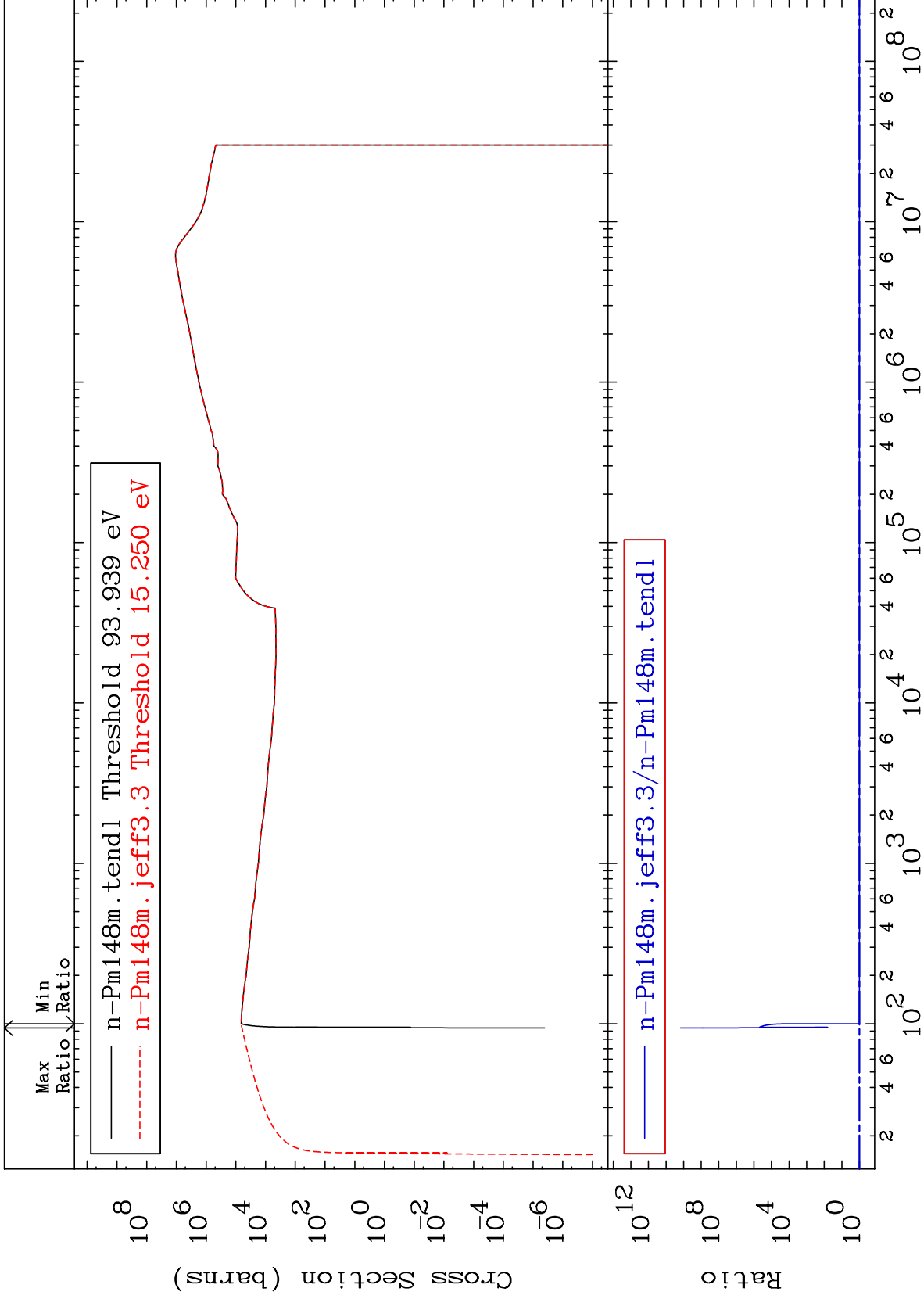


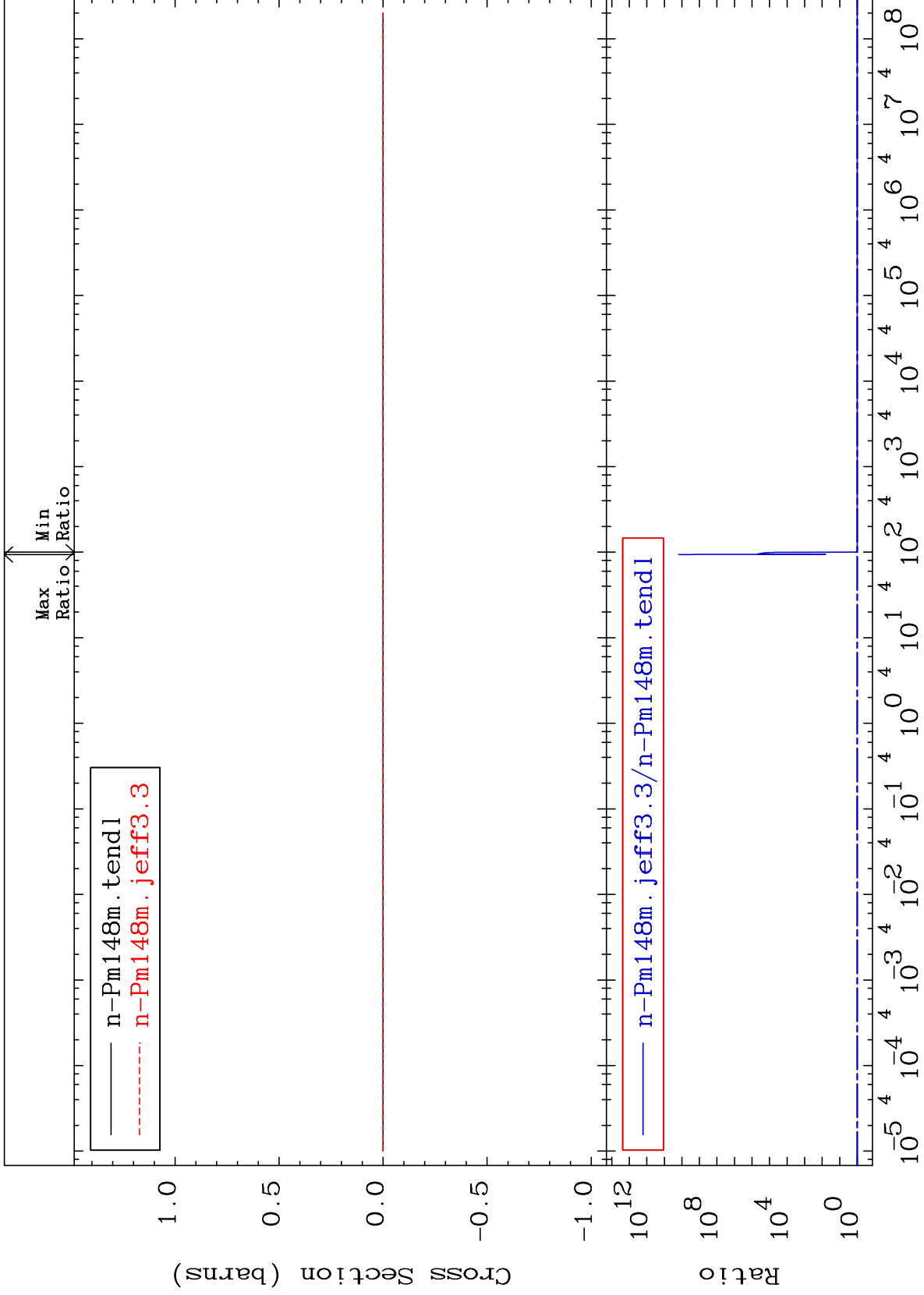
70

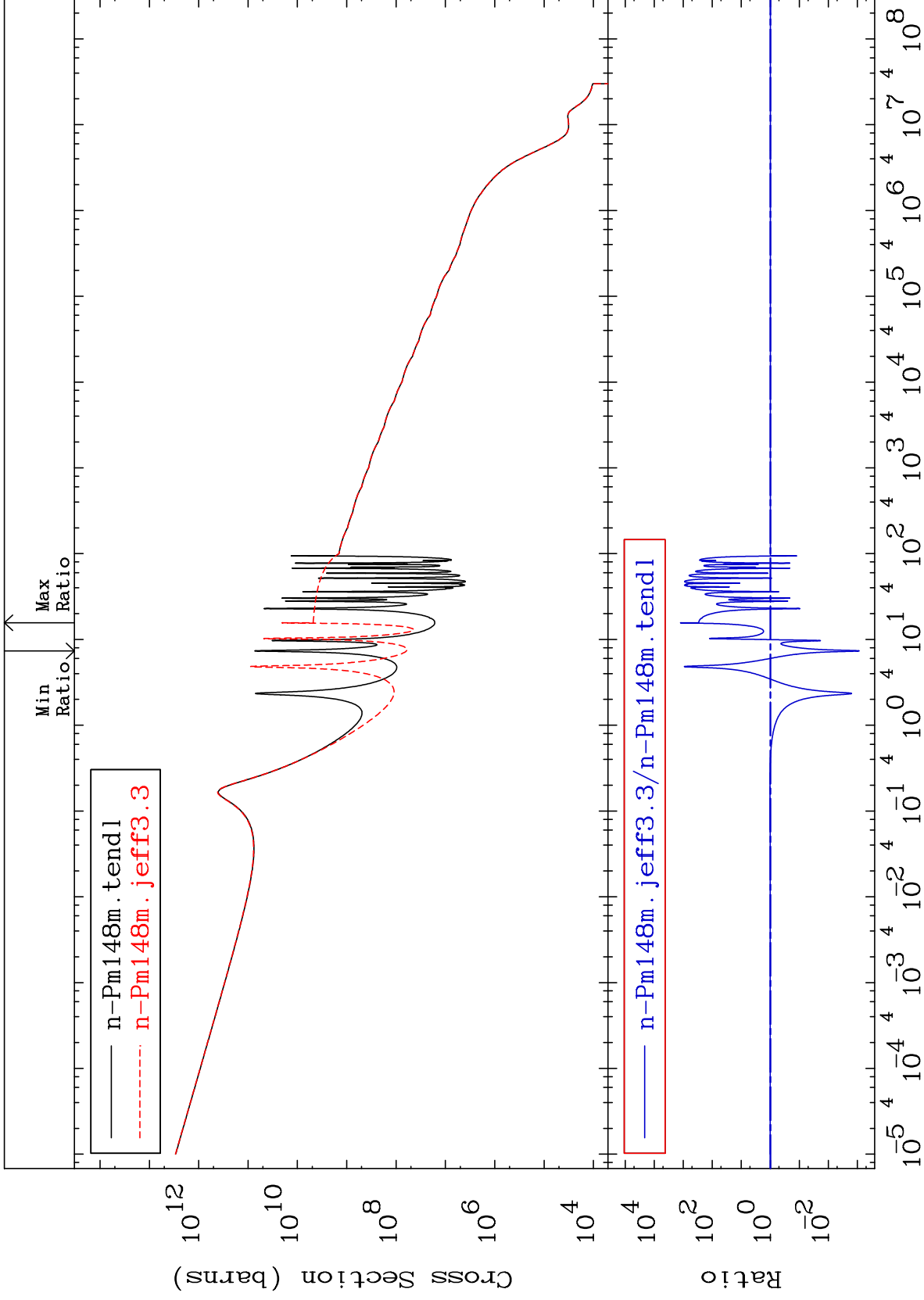
Incident Energy (eV)

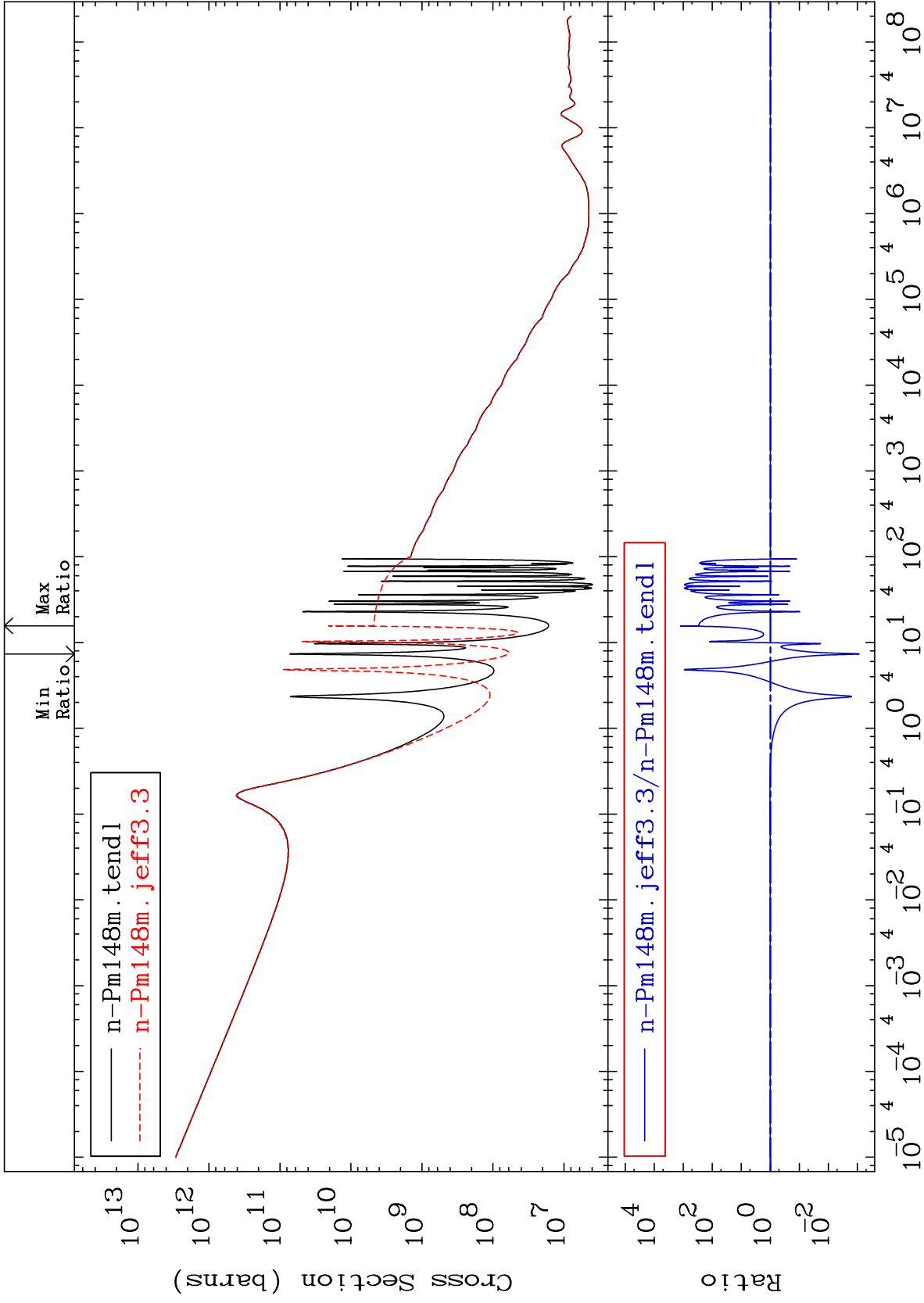
61-Pm-148

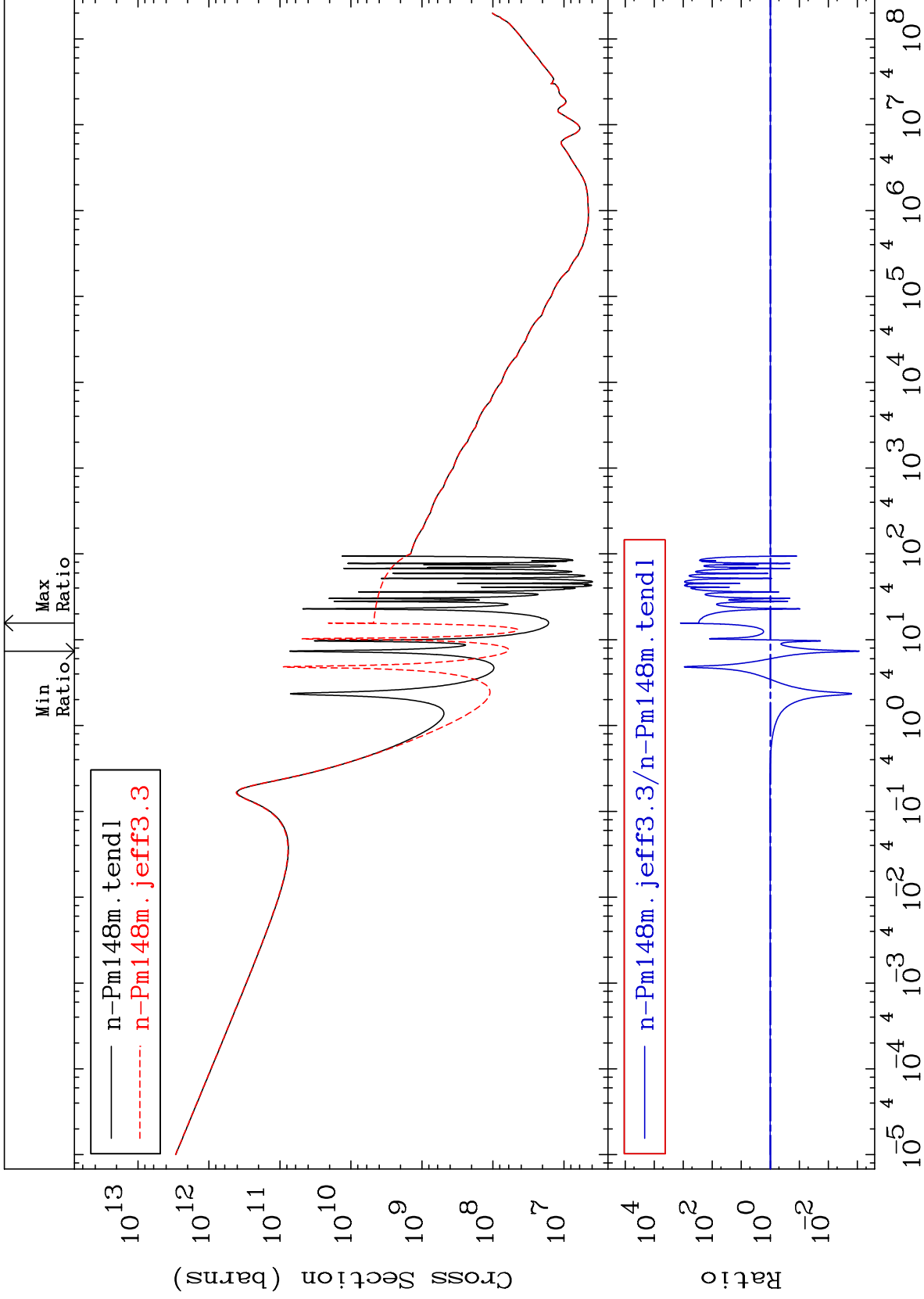


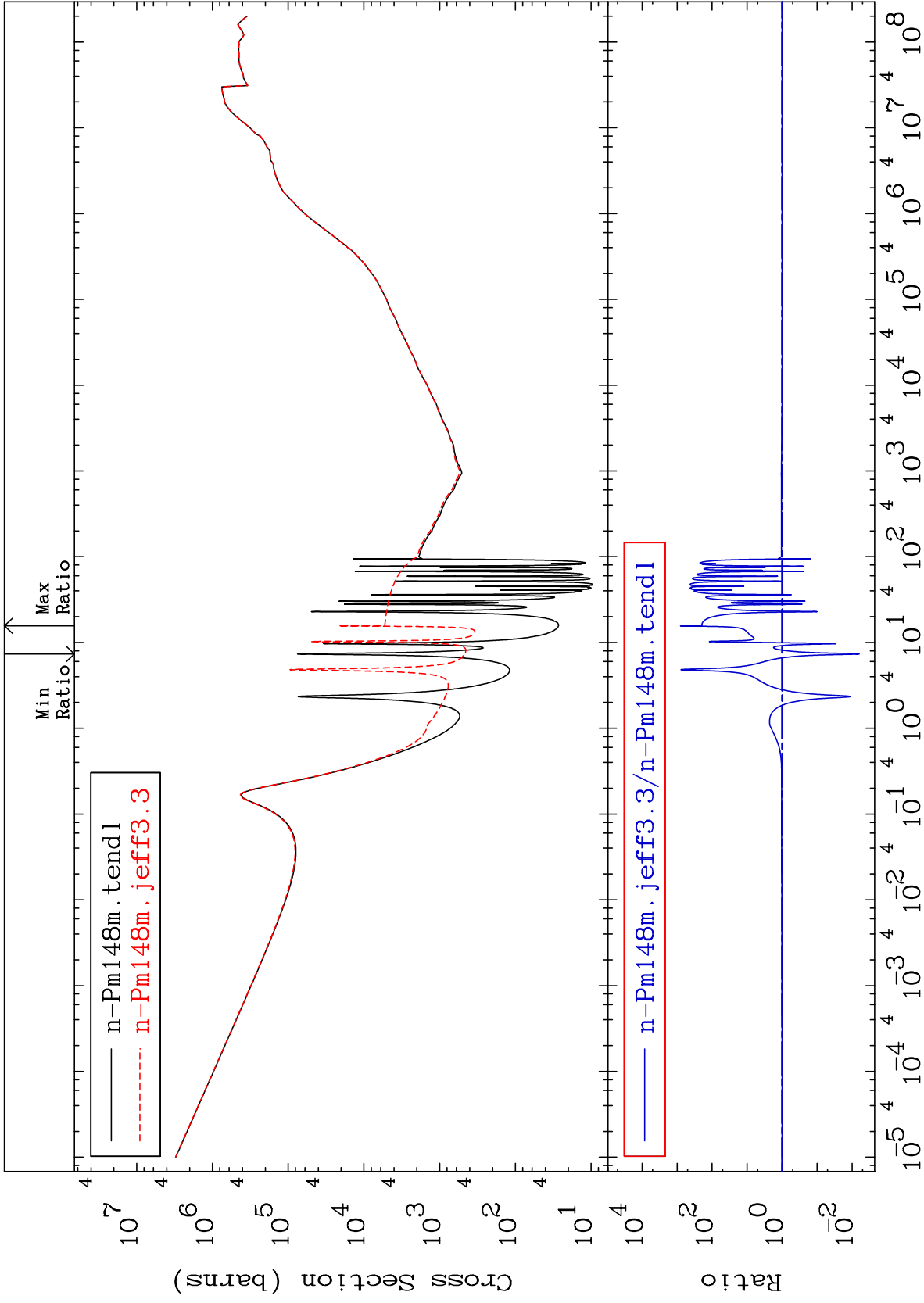








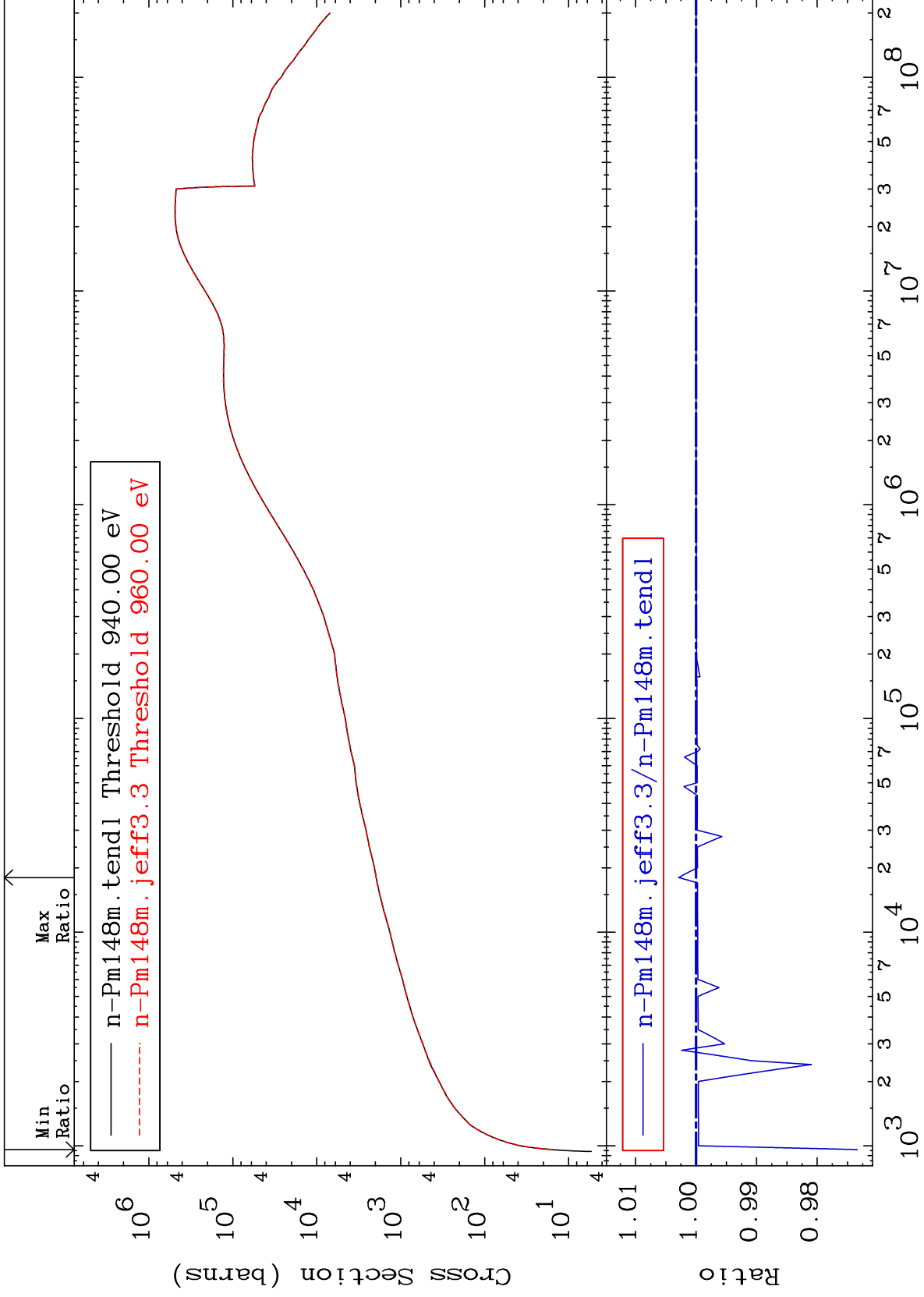




MAT 6153

Dpa elastic (mt2)
Cross Section

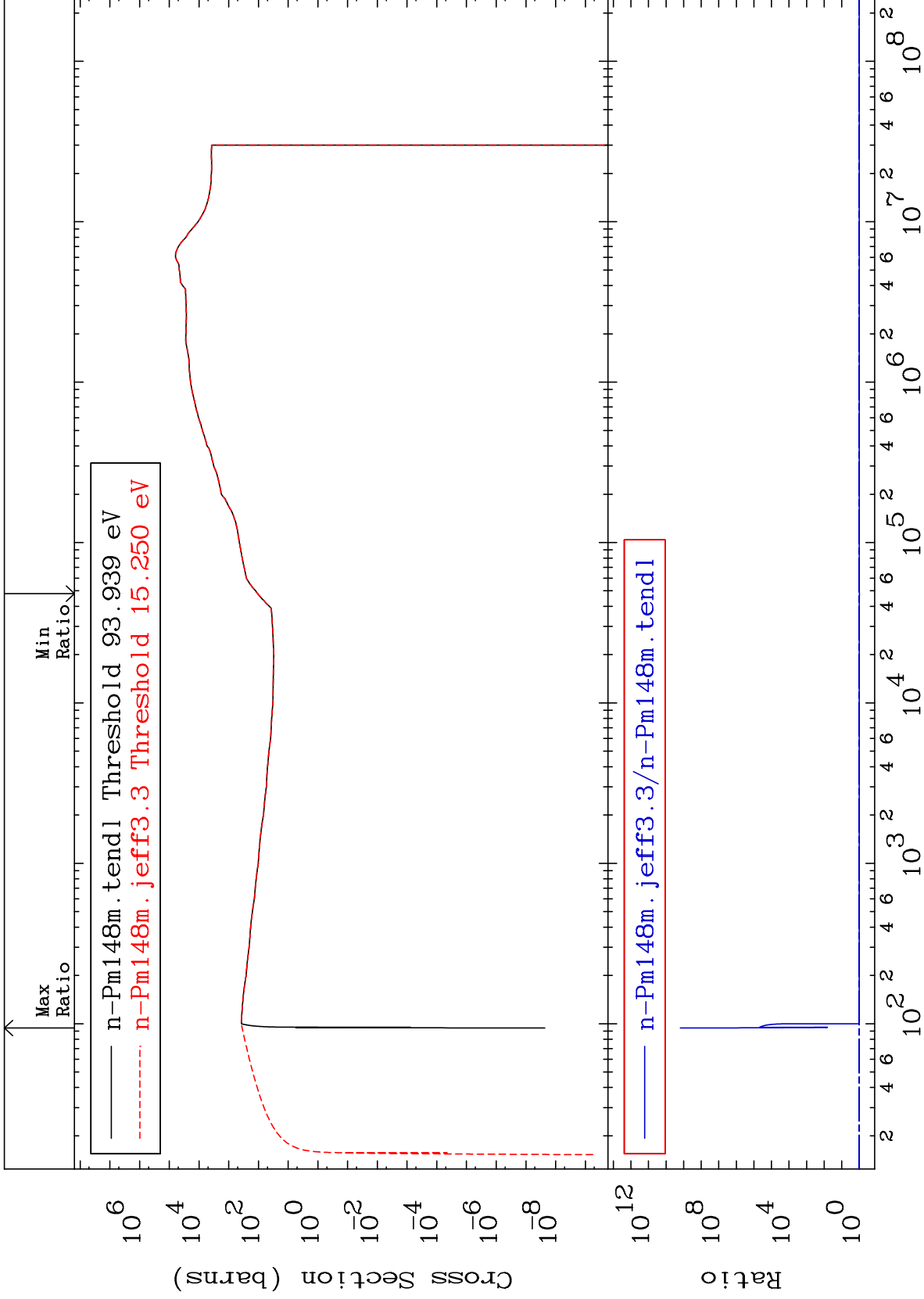
61-Pm-148
-2.661 To 0.288 %

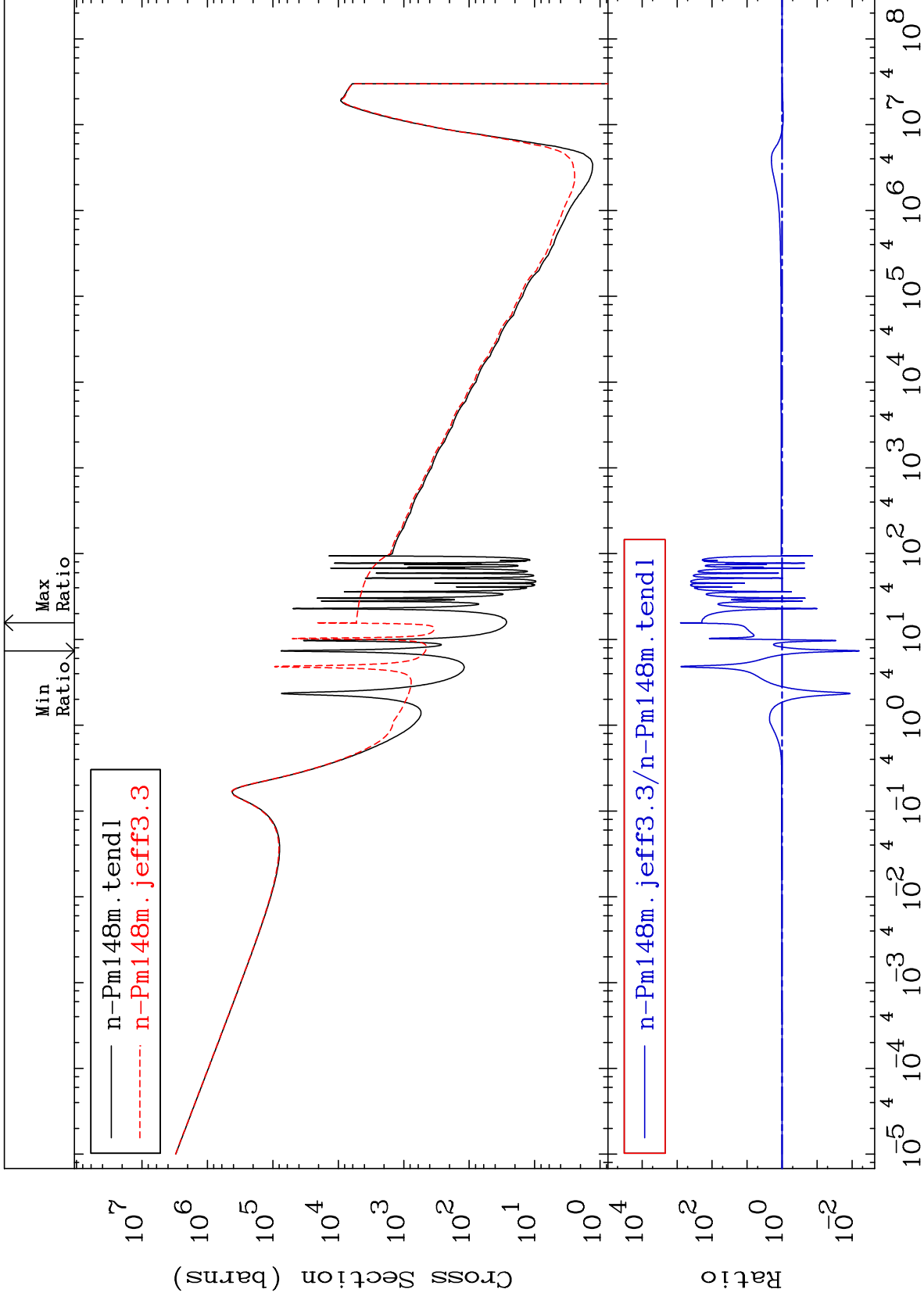


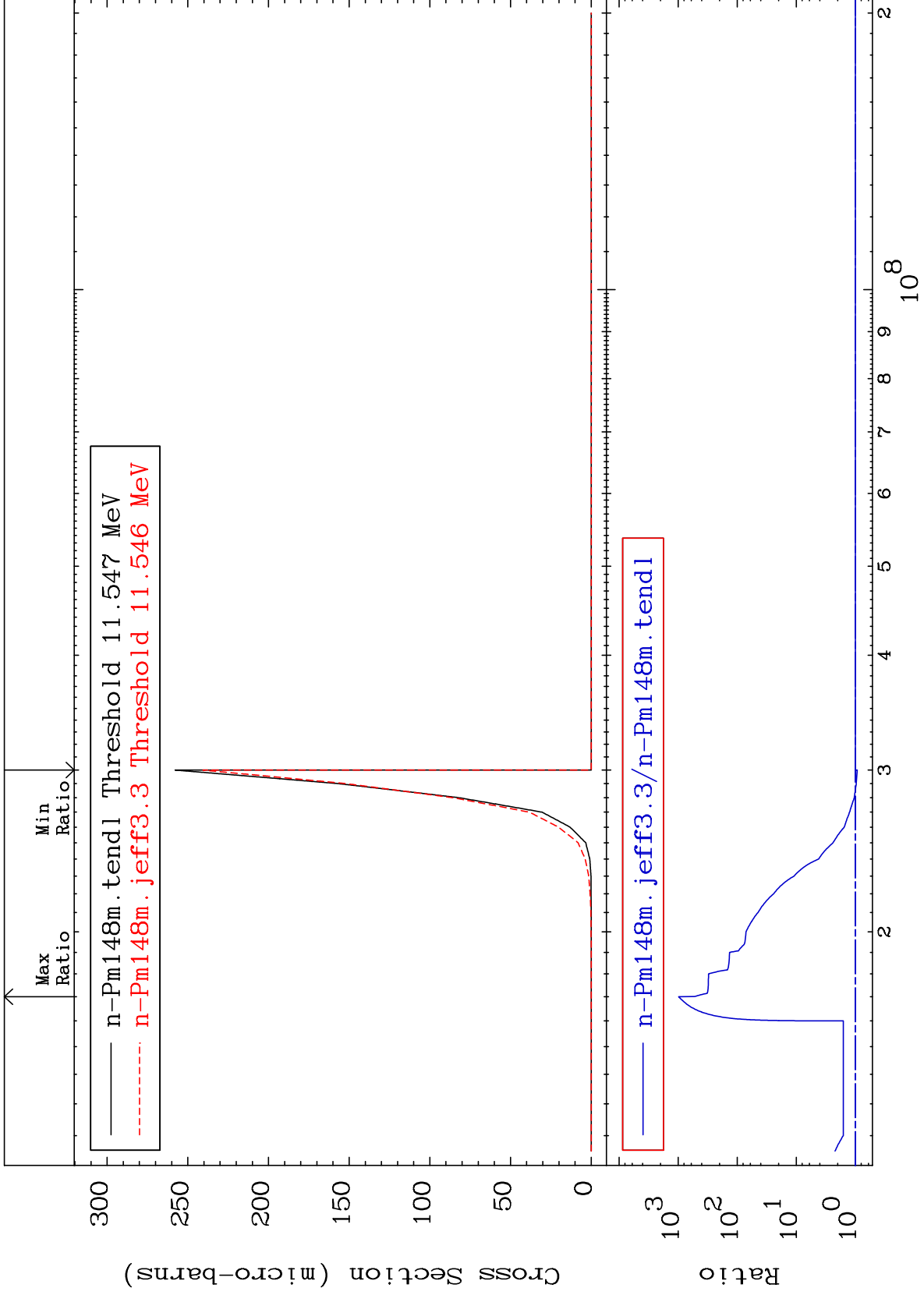
78

Incident Energy (eV)

61-Pm-148







Radionuclide Production Cross Section -5.649 To 9999. %

