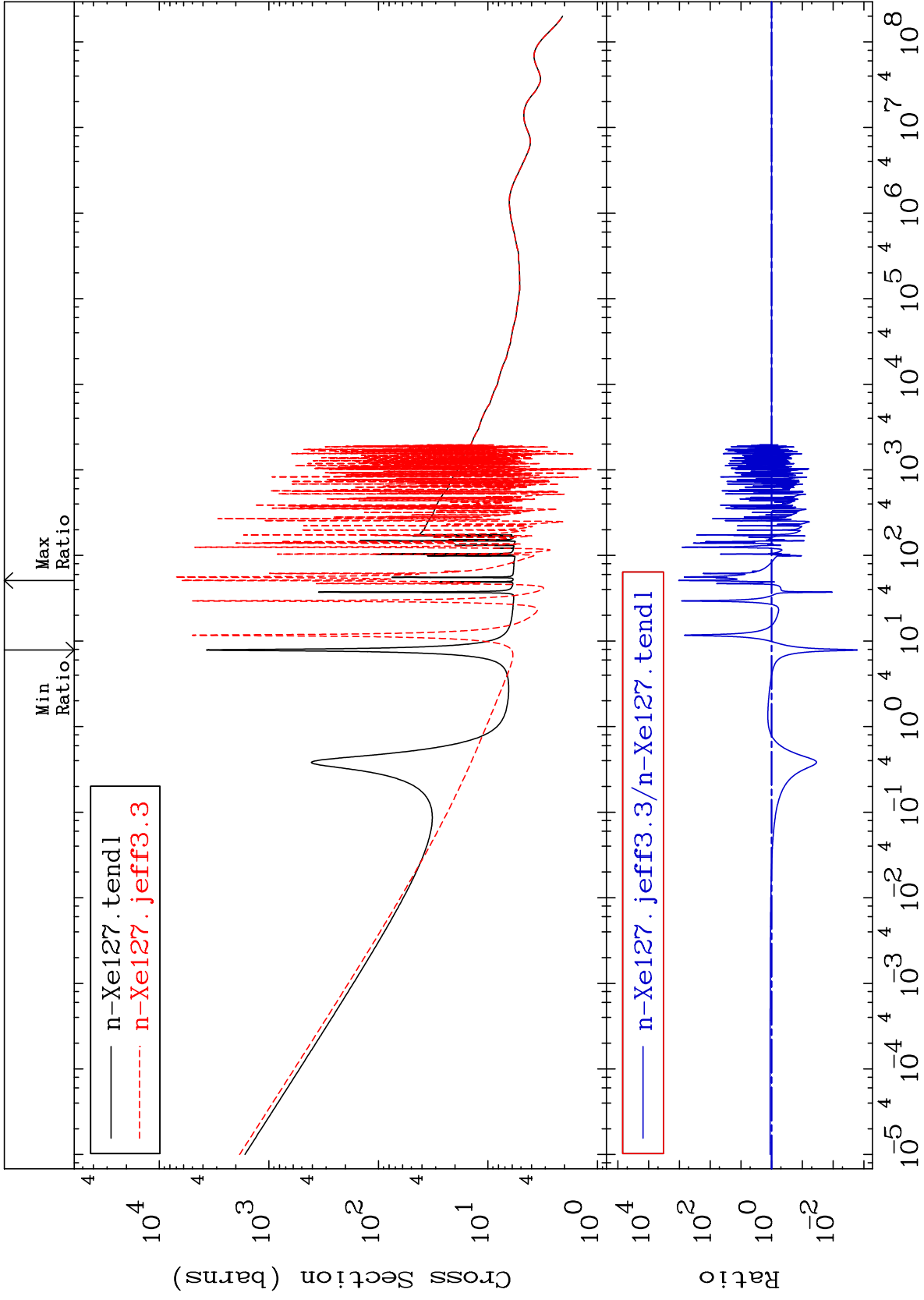


MAT 5434

Total Cross Section
54-Xe-127
-99.84 To 9999. %



Incident Energy (eV)

54-Xe-127

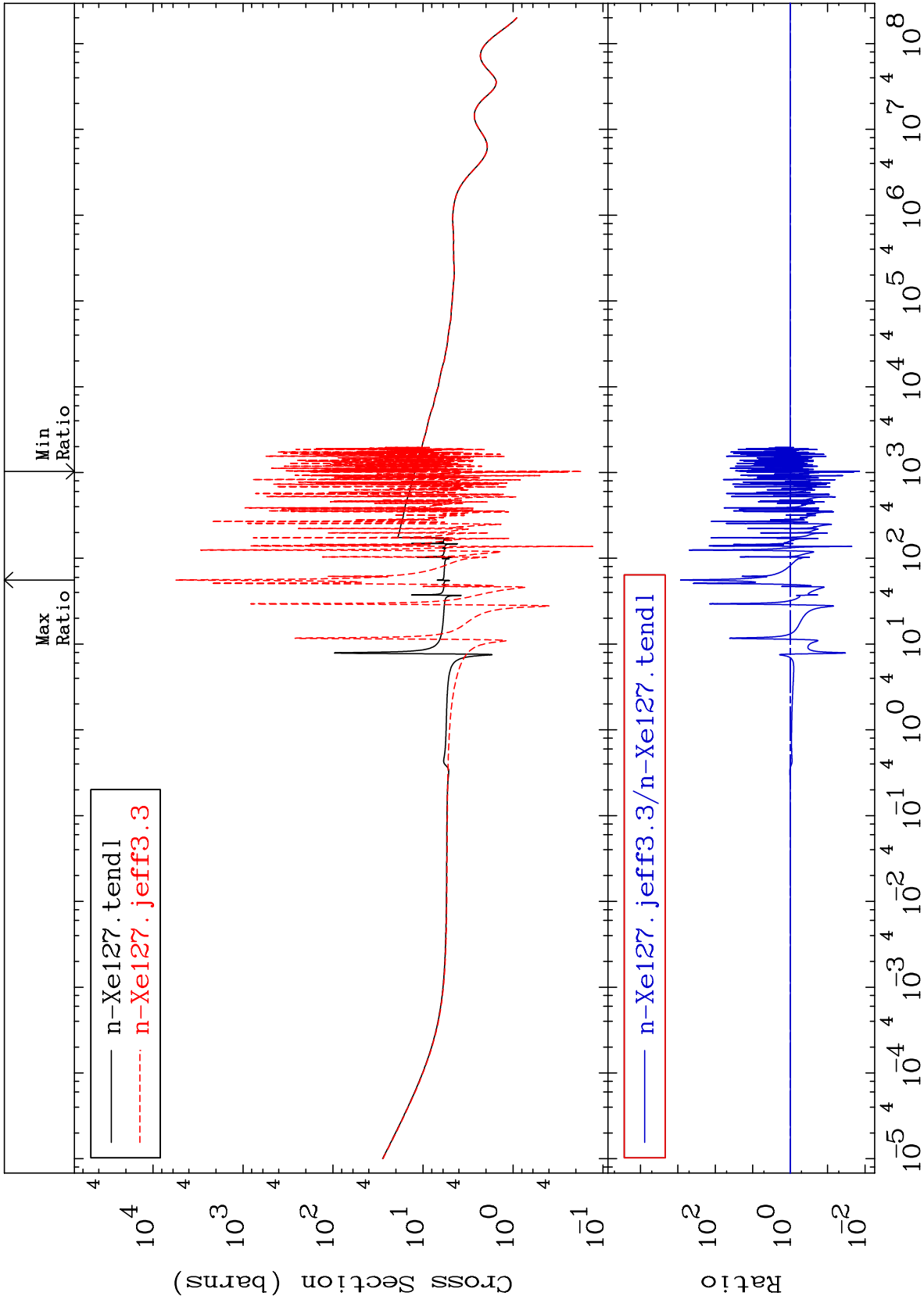
MAT 5434

Elastic

54-Xe-127

Cross Section

-98.59 To 9999. %



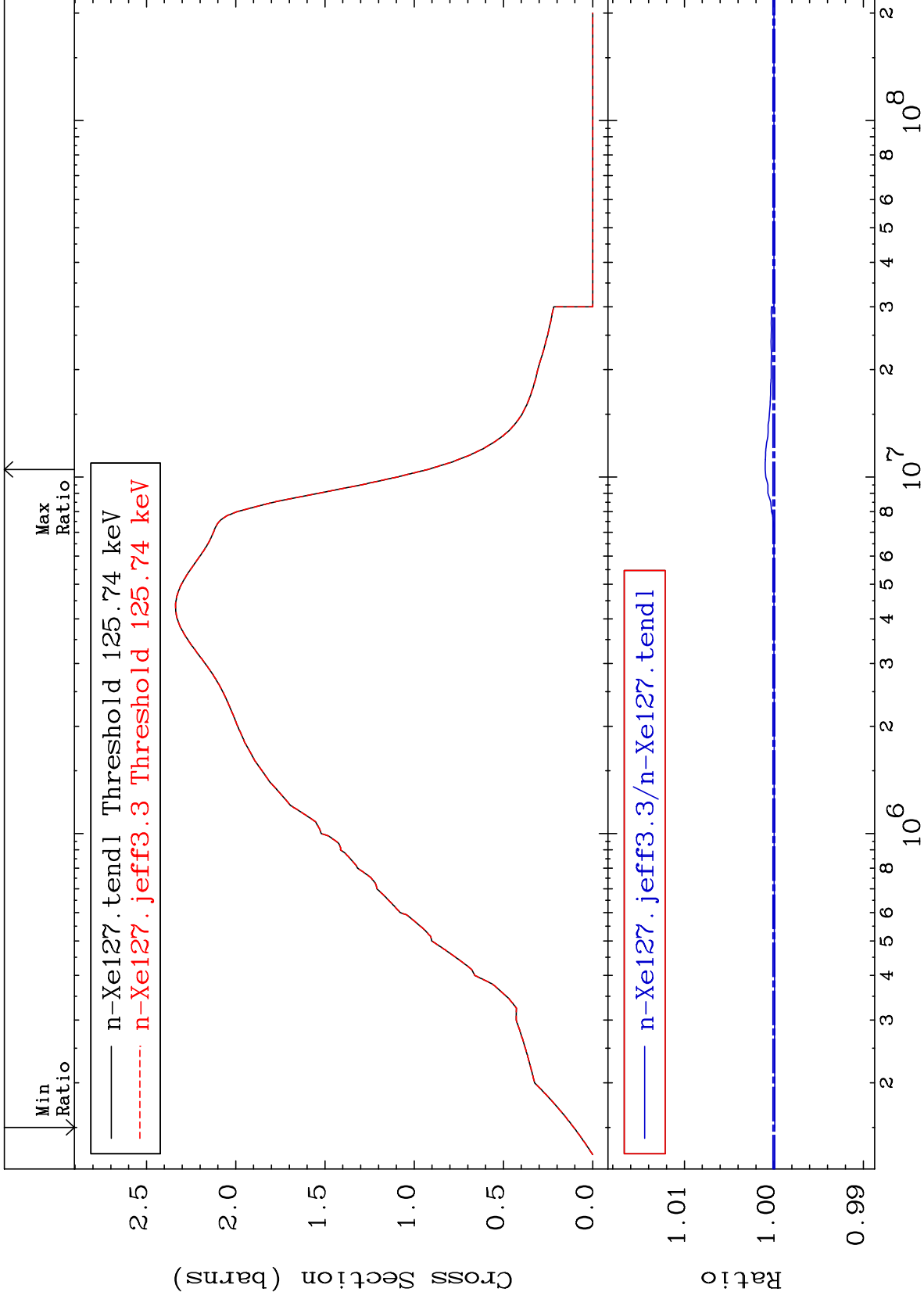
MAT 5434

Inelastic

54-Xe-127

Cross Section

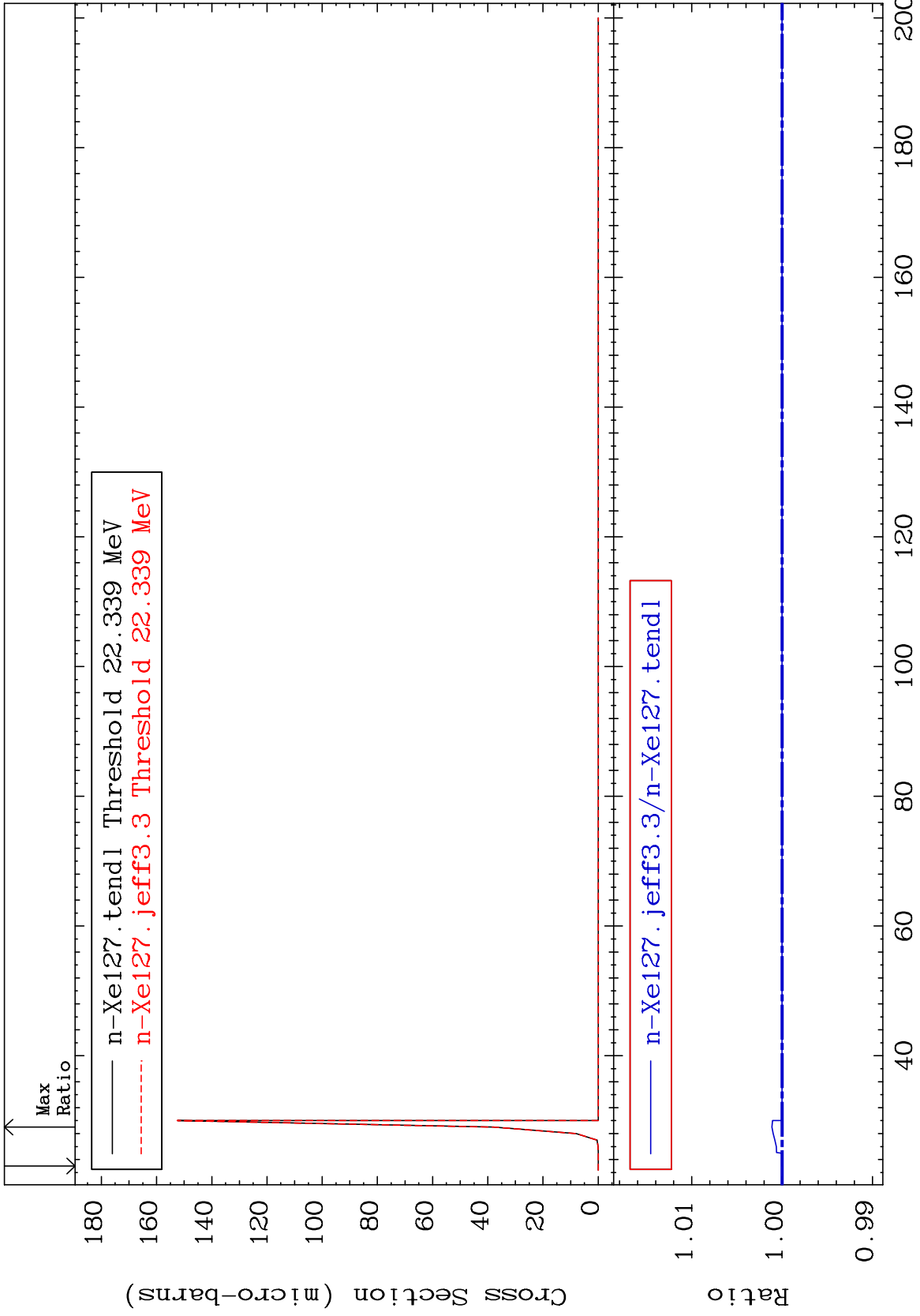
-0.009 To 0.098 %



MAT 5434

(n,2n) d
Cross Section

54-Xe-127
-0.001 To 0.113 %



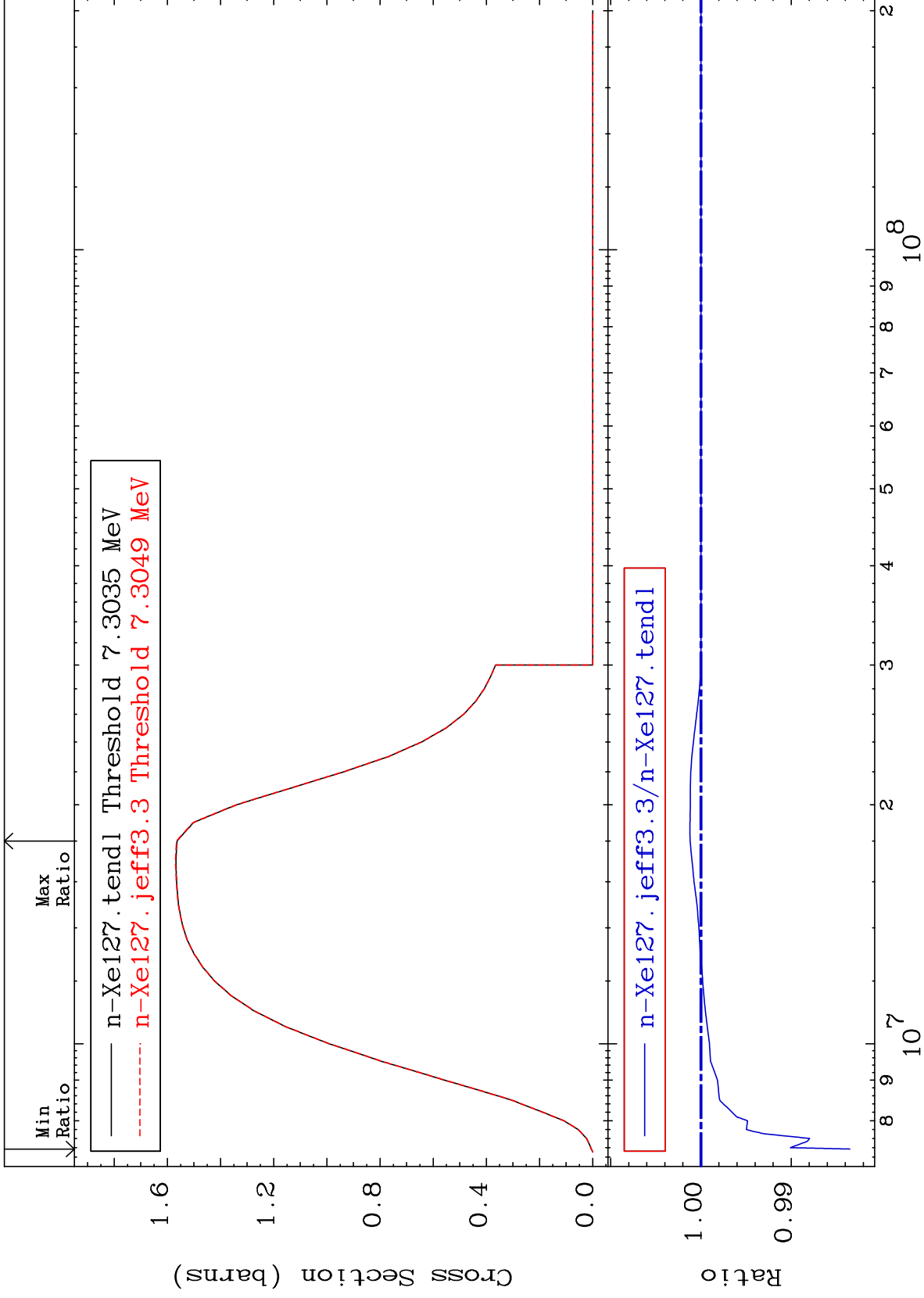
MAT 5434

(n,2n)

54-Xe-127

Cross Section

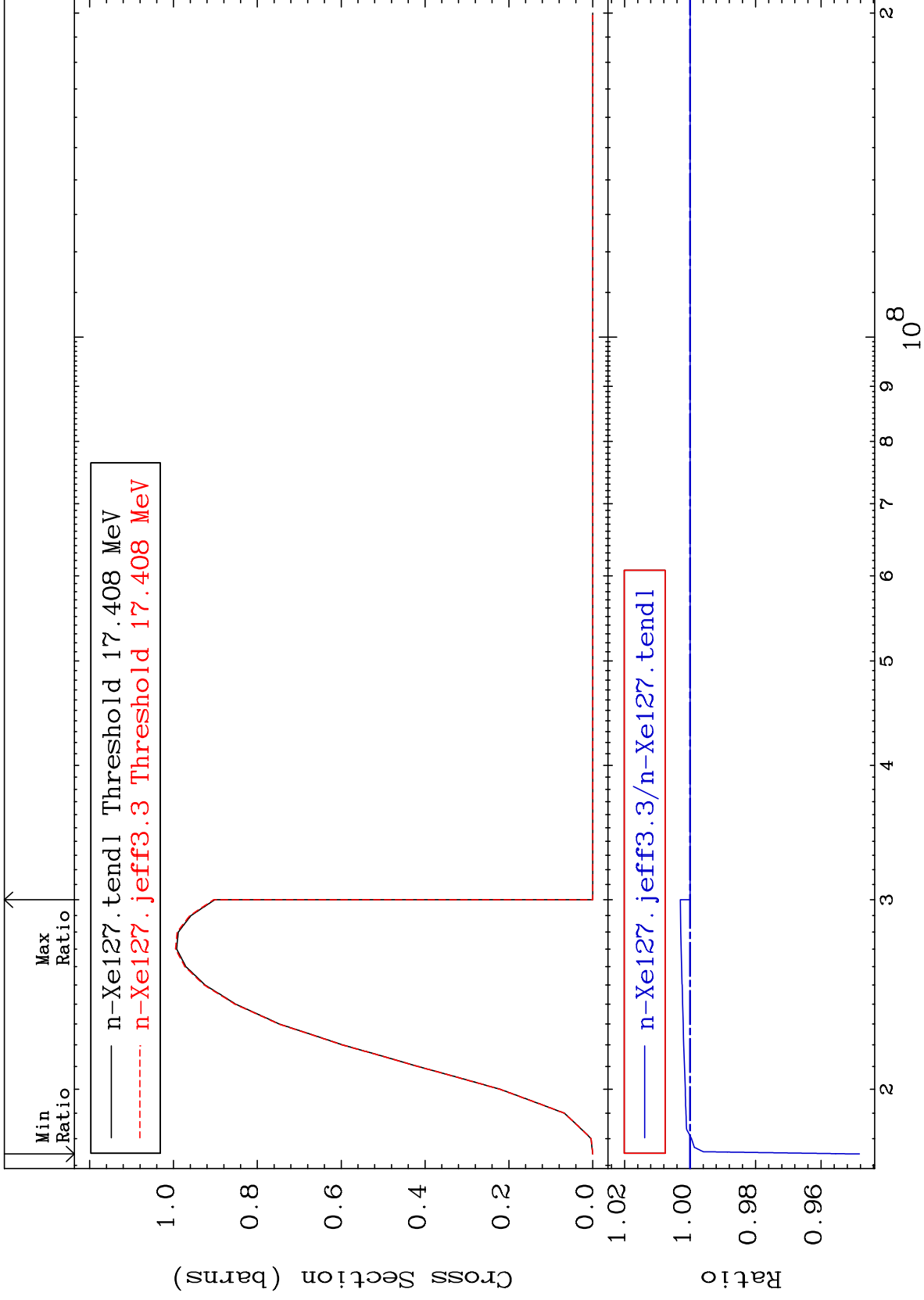
-1.650 To 0.121 %



5

Incident Energy (eV)

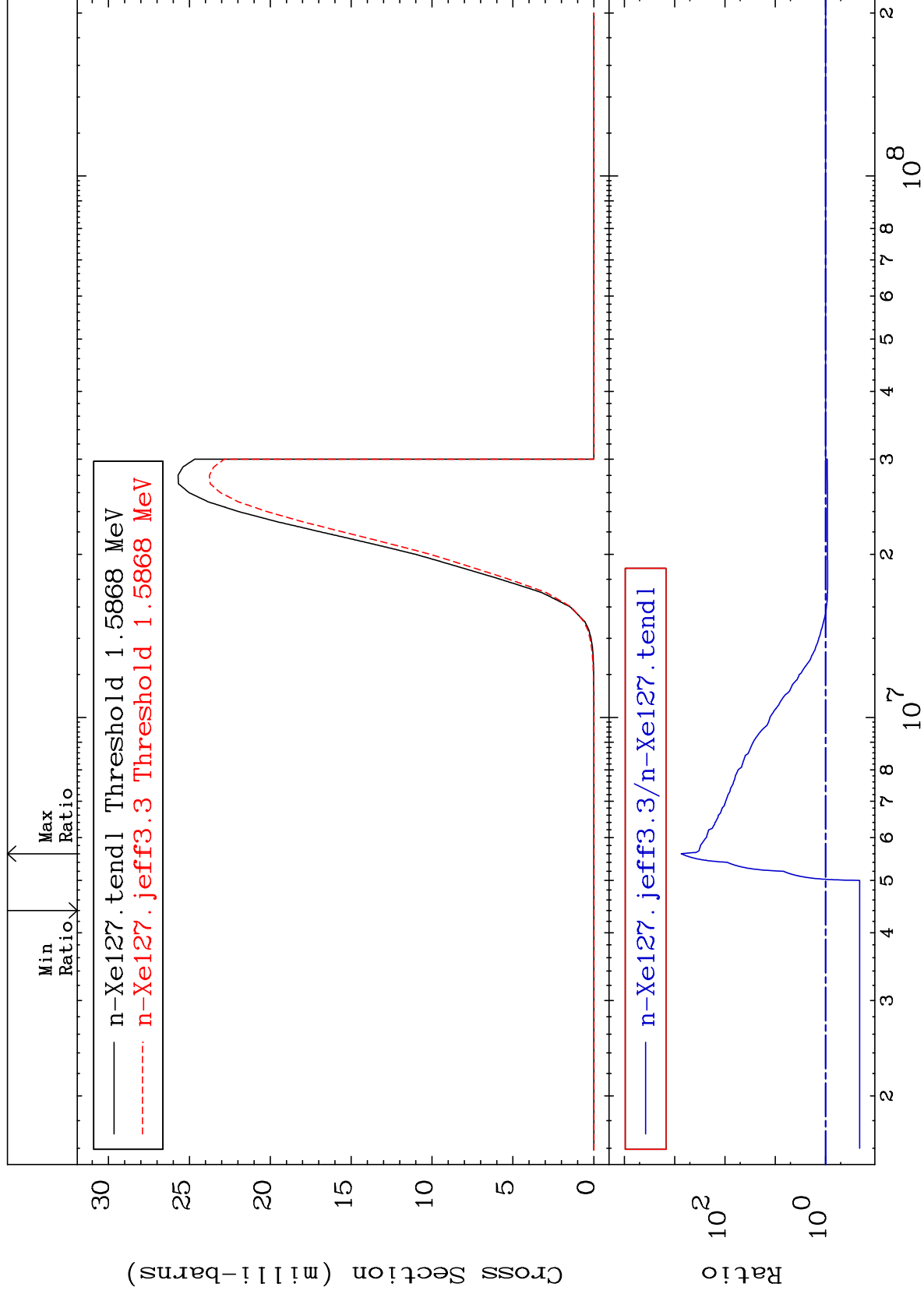
54-Xe-127



MAT 5434

(n, n') α
Cross Section

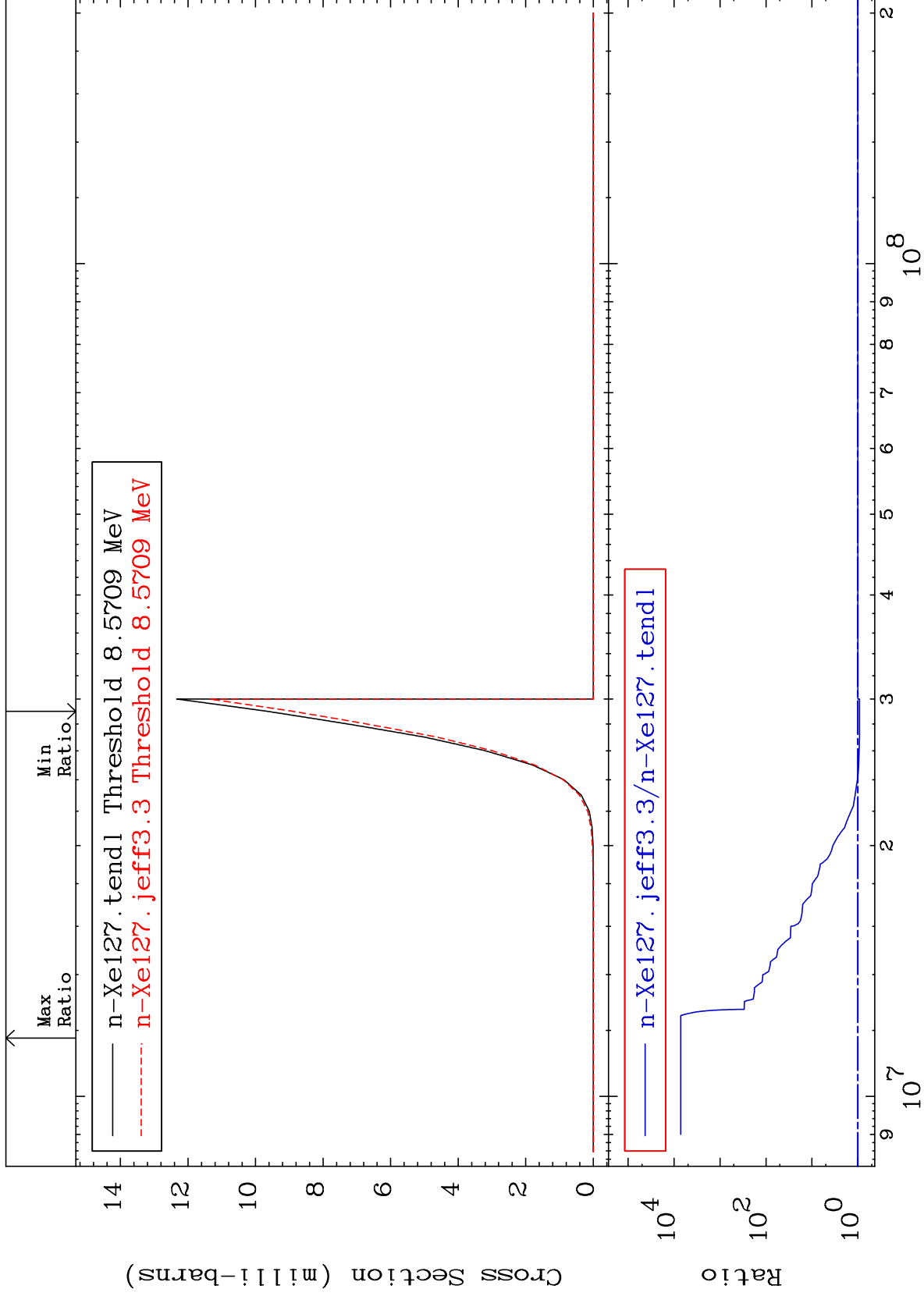
54-Xe-127
-78.96 To 9999. %



MAT 5434

(n,2n) α
Cross Section

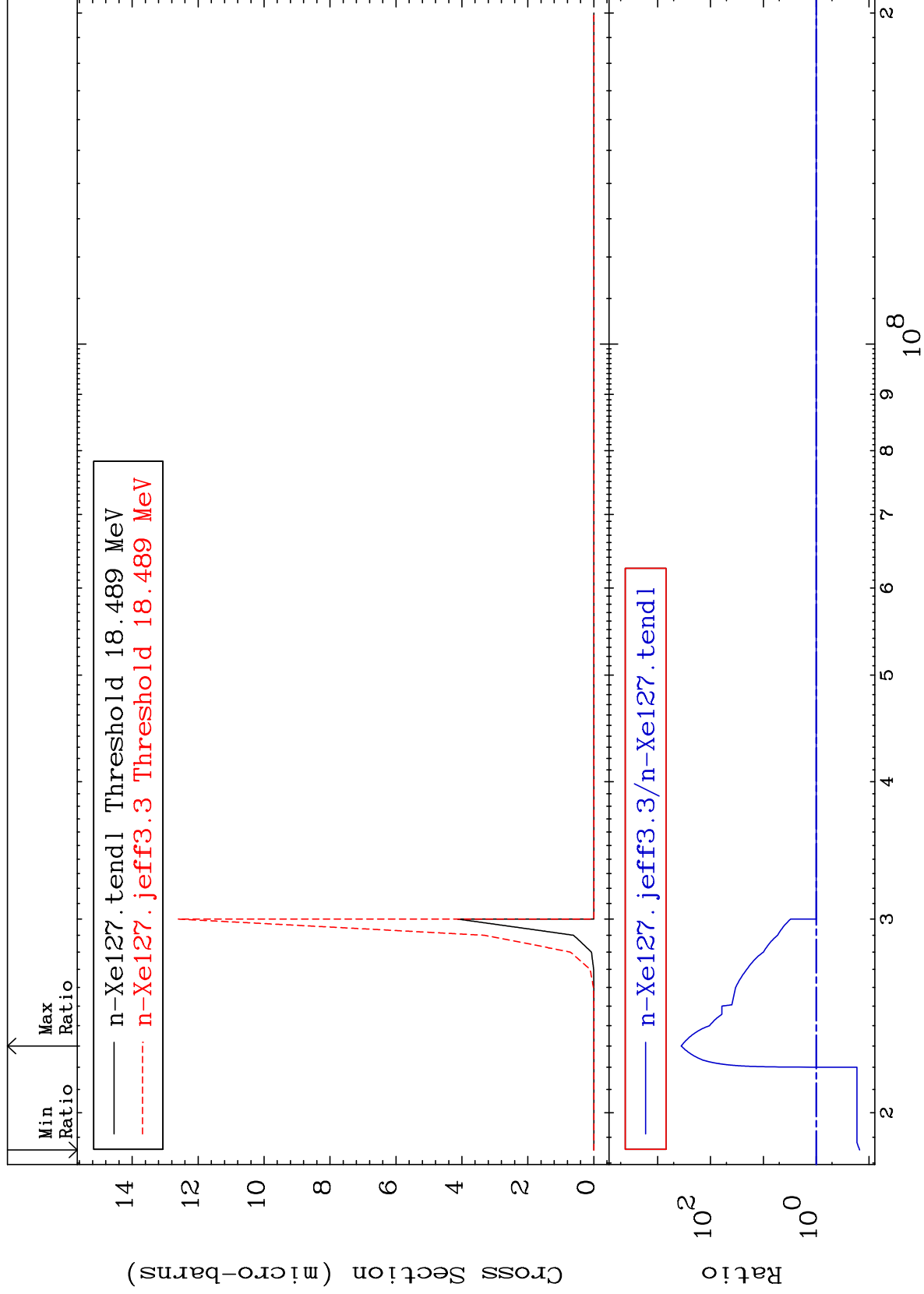
54-Xe-127
-7.875 To 9999. %



MAT 5434

(n,3n) α
Cross Section

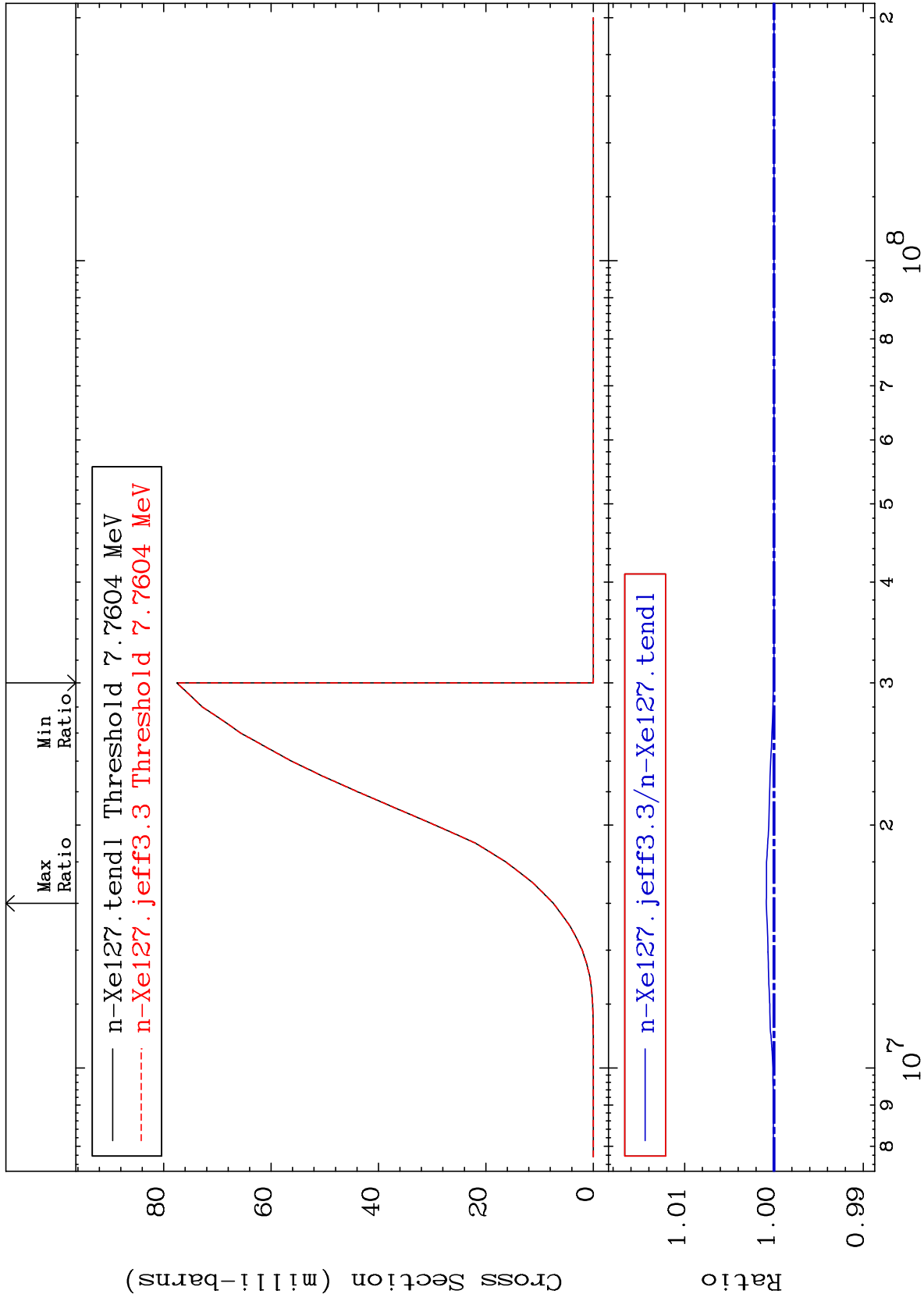
54-Xe-127
-84.94 To 9999. %



MAT 5434

(n, n') p
Cross Section

54-Xe-127
To 0.085 %



54-Xe-127

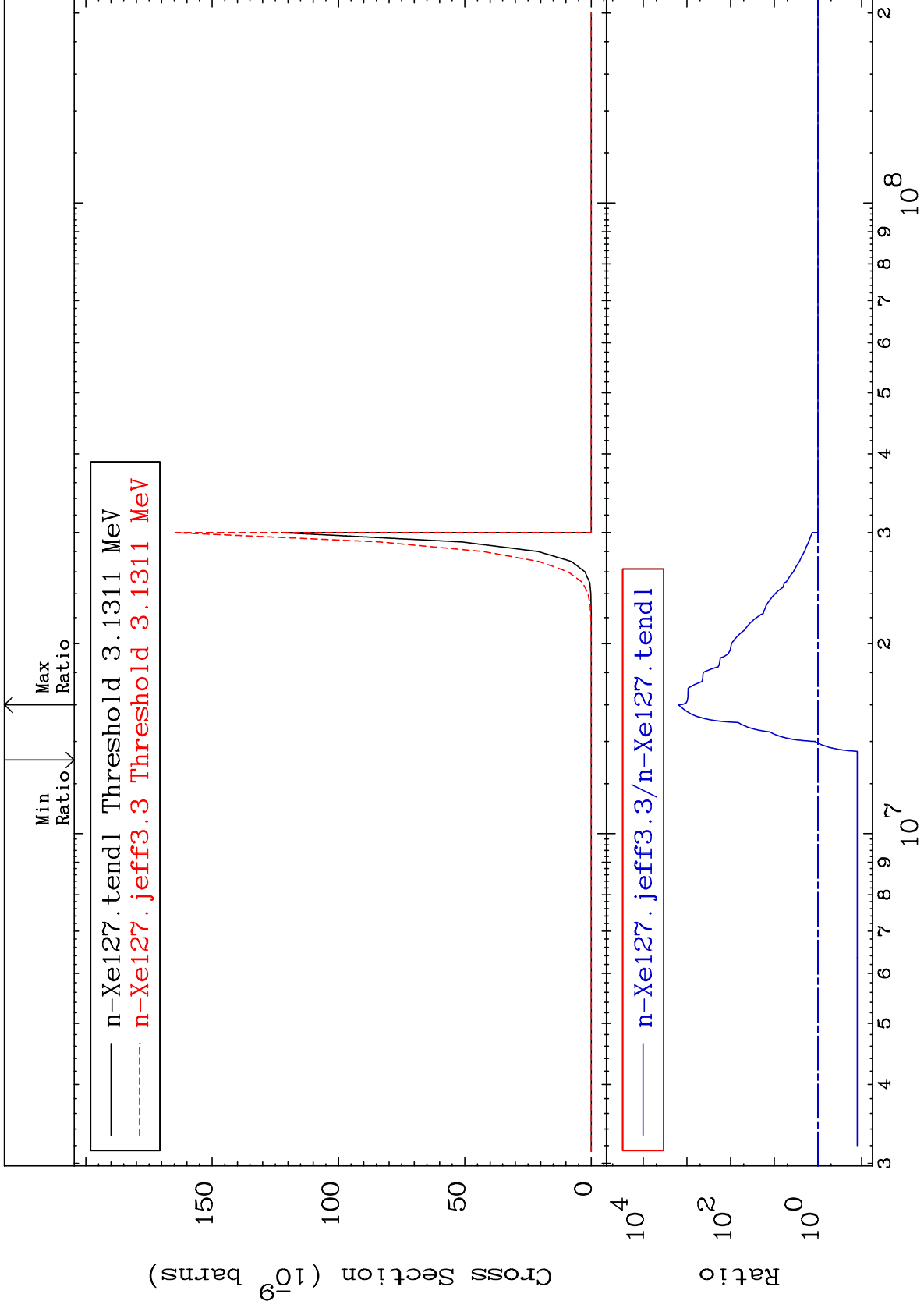
Incident Energy (eV)

10

MAT 5434

(n, n') 2α
Cross Section

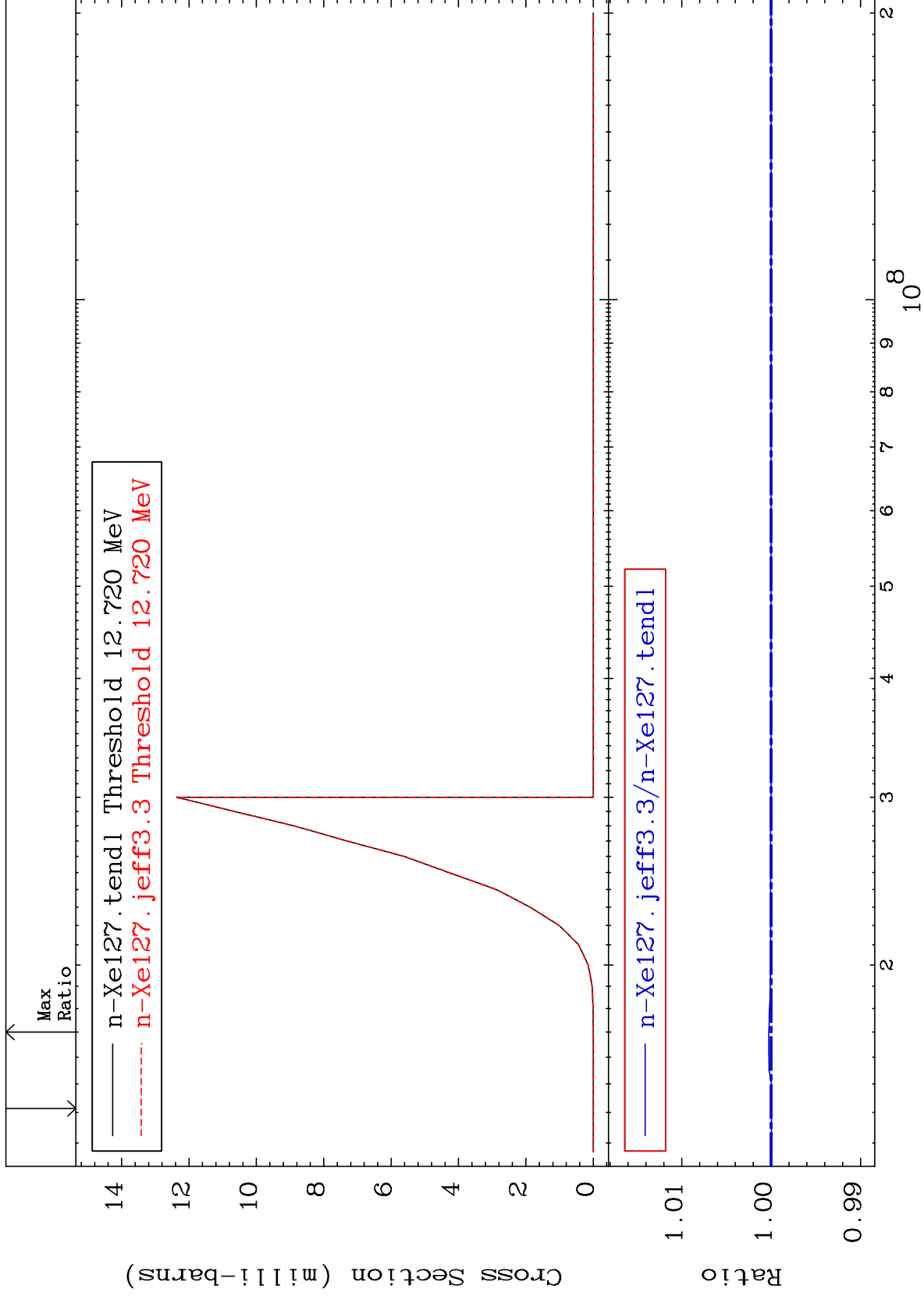
54-Xe-127
-87.42 To 9999. %



MAT 5434

(n,n') d
Cross Section

54-Xe-127
-0.005 To 0.026 %



12

Incident Energy (eV)

54-Xe-127

MAT 5434

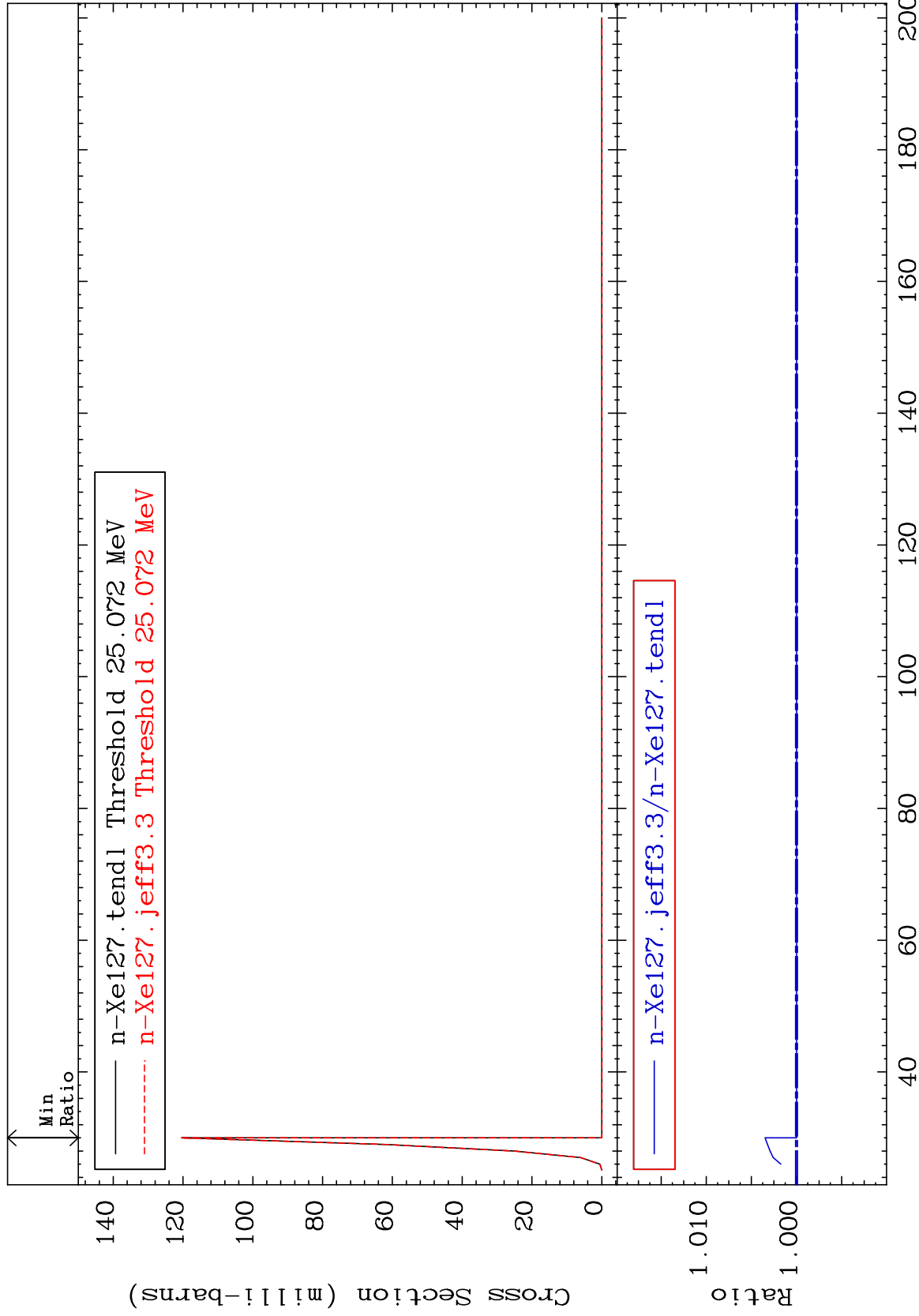
(n,4n)

54-Xe-127

Cross Section

0.000

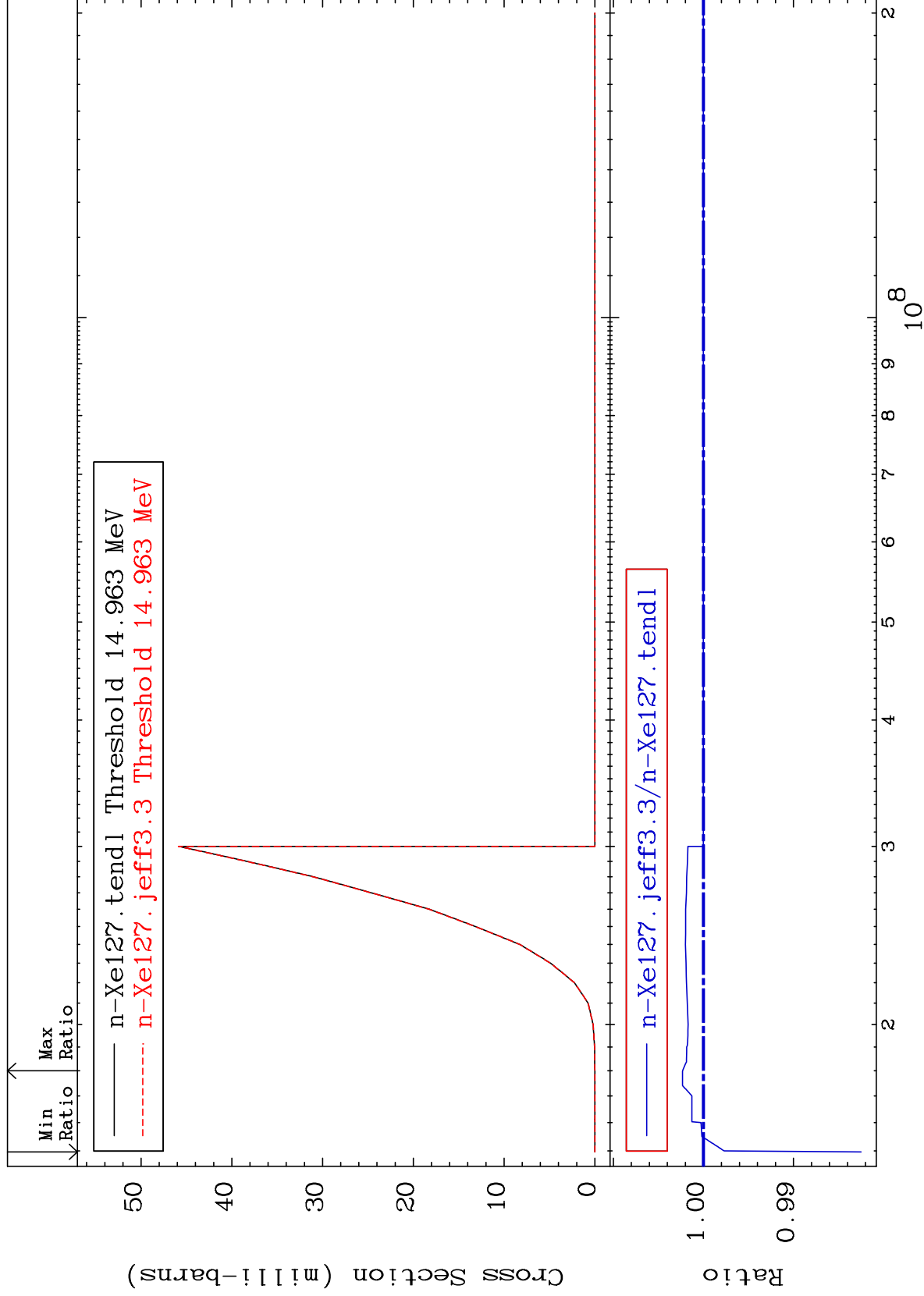
To 0.350 %



MAT 5434

(n,2n) p
Cross Section

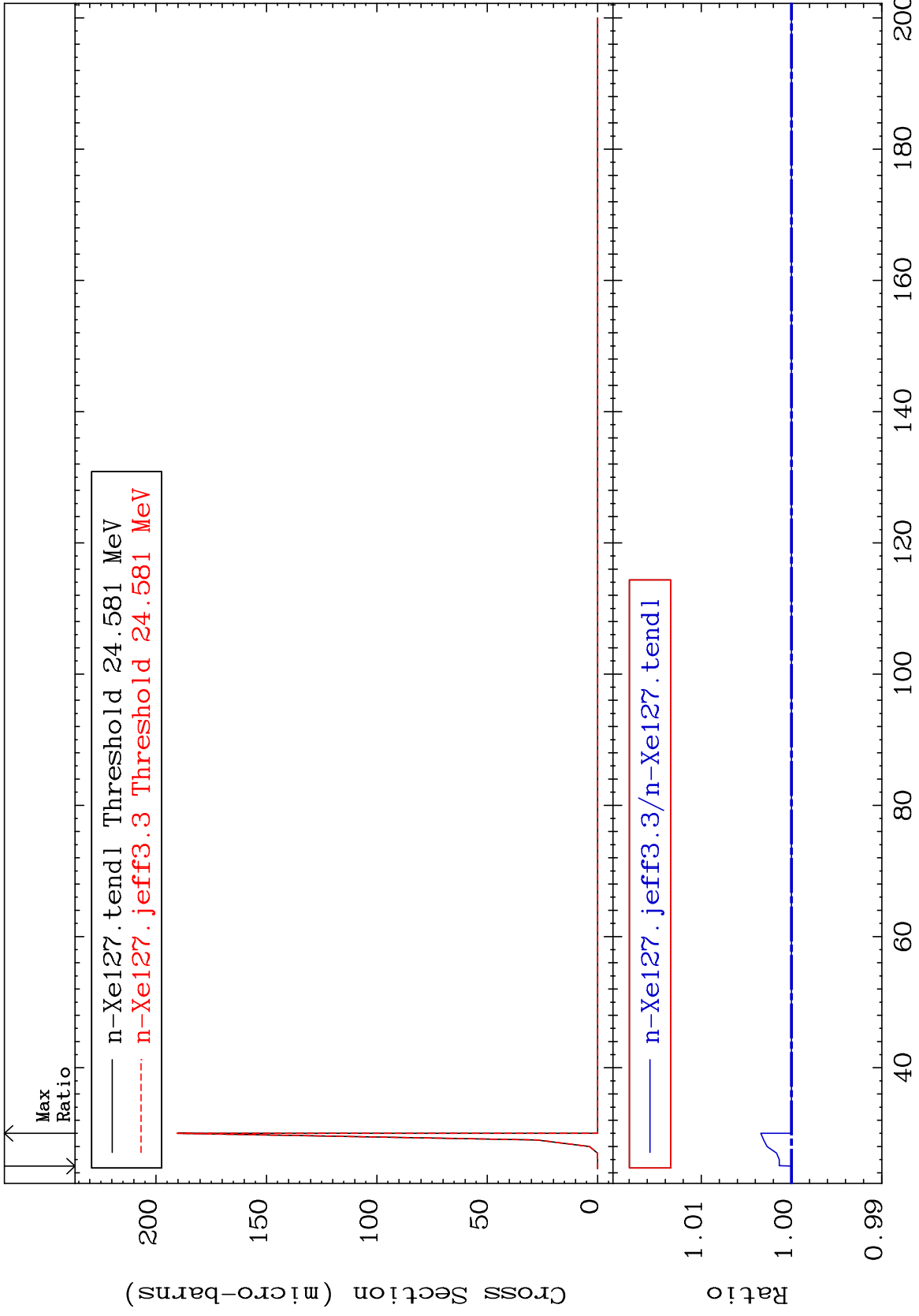
54-Xe-127
-1.750 To 0.233 %



MAT 5434

(n,3n) p
Cross Section

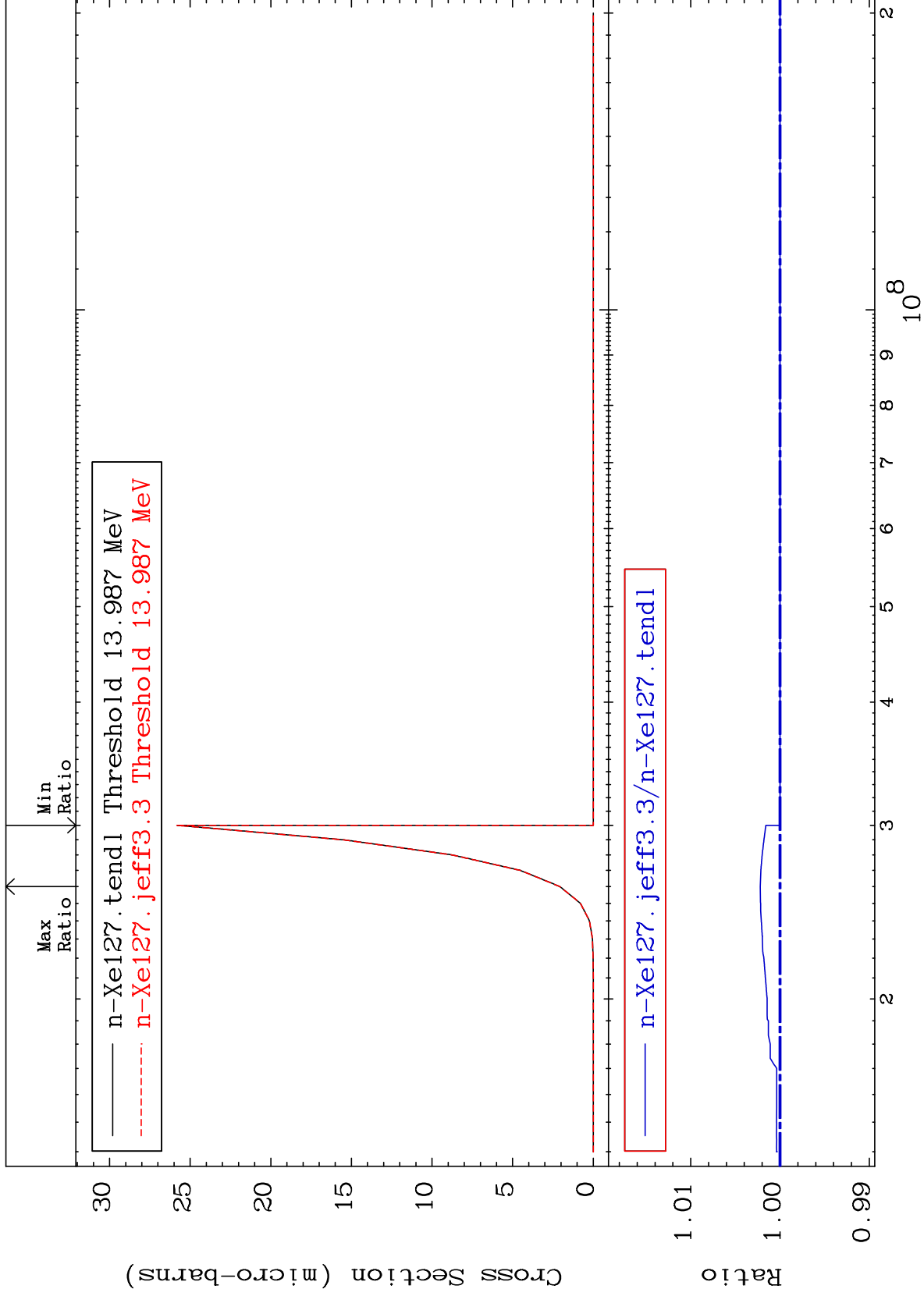
54-Xe-127
-0.002 To 0.339 %



MAT 5434

(n,2n) p
Cross Section

54-Xe-127
To 0.221 %



16

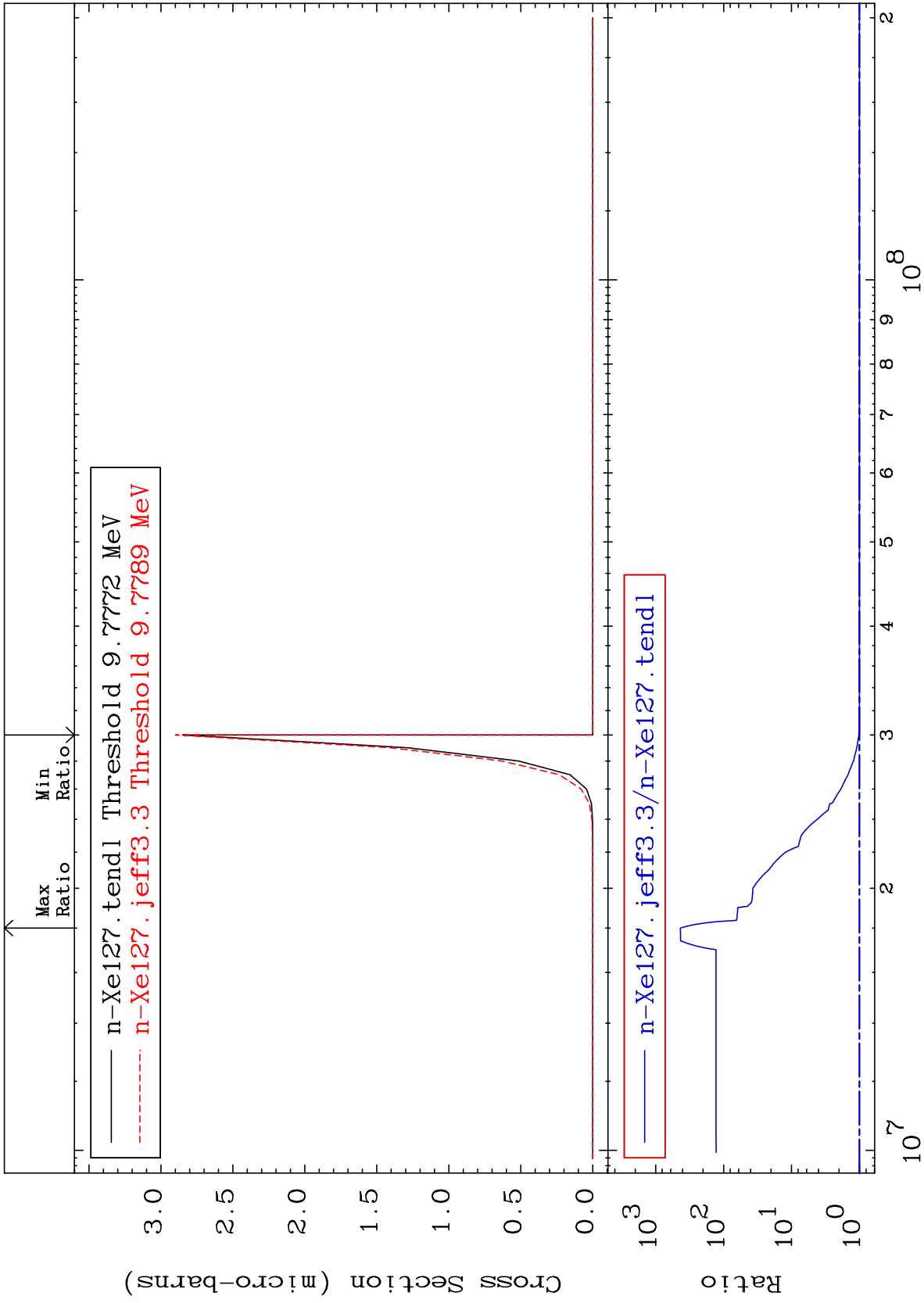
Incident Energy (eV)

54-Xe-127

MAT 5434

(n,n') p α
Cross Section

54-Xe-127
To 9999. %
0.000



17

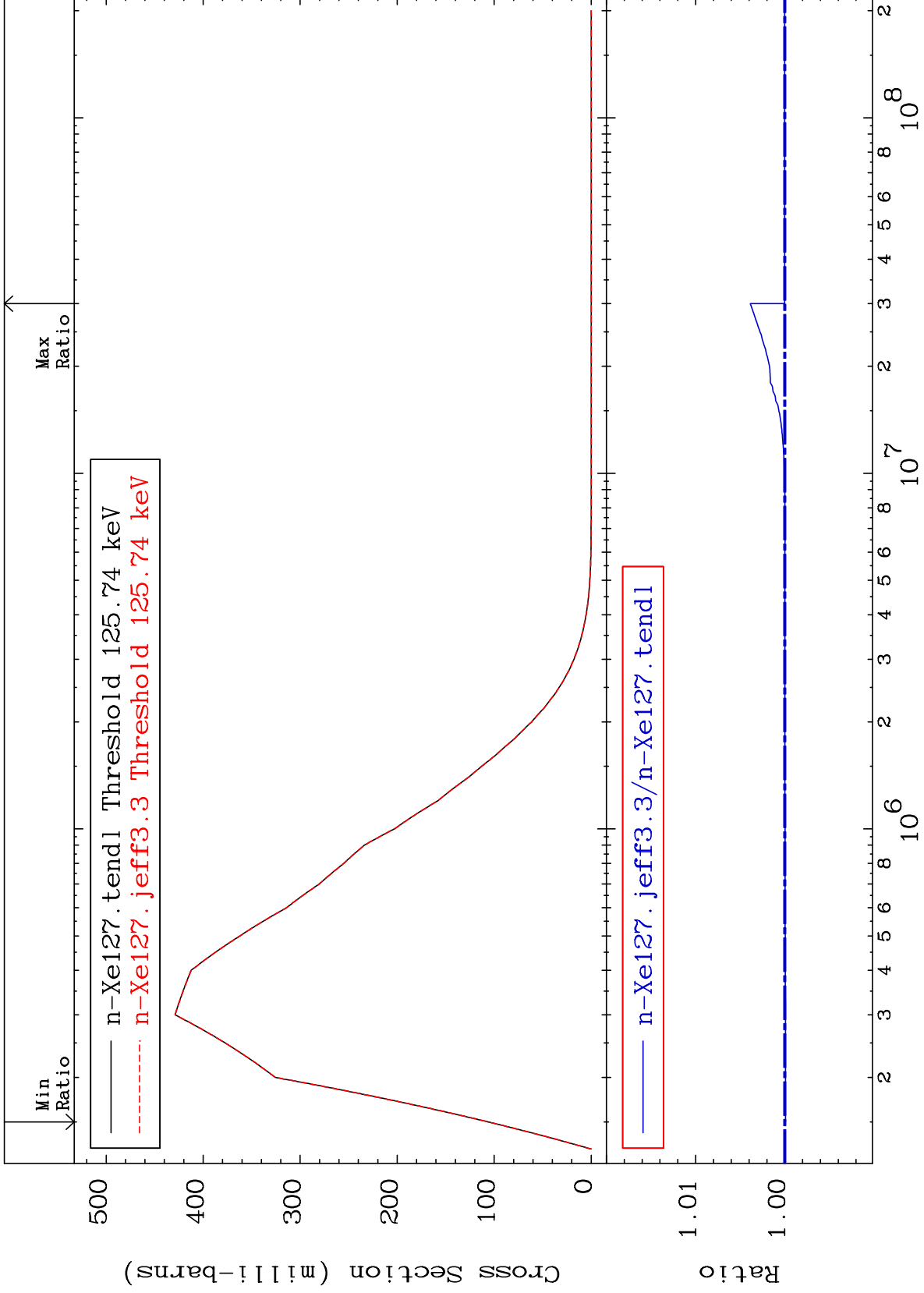
Incident Energy (eV)

54-Xe-127

MAT 5434

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

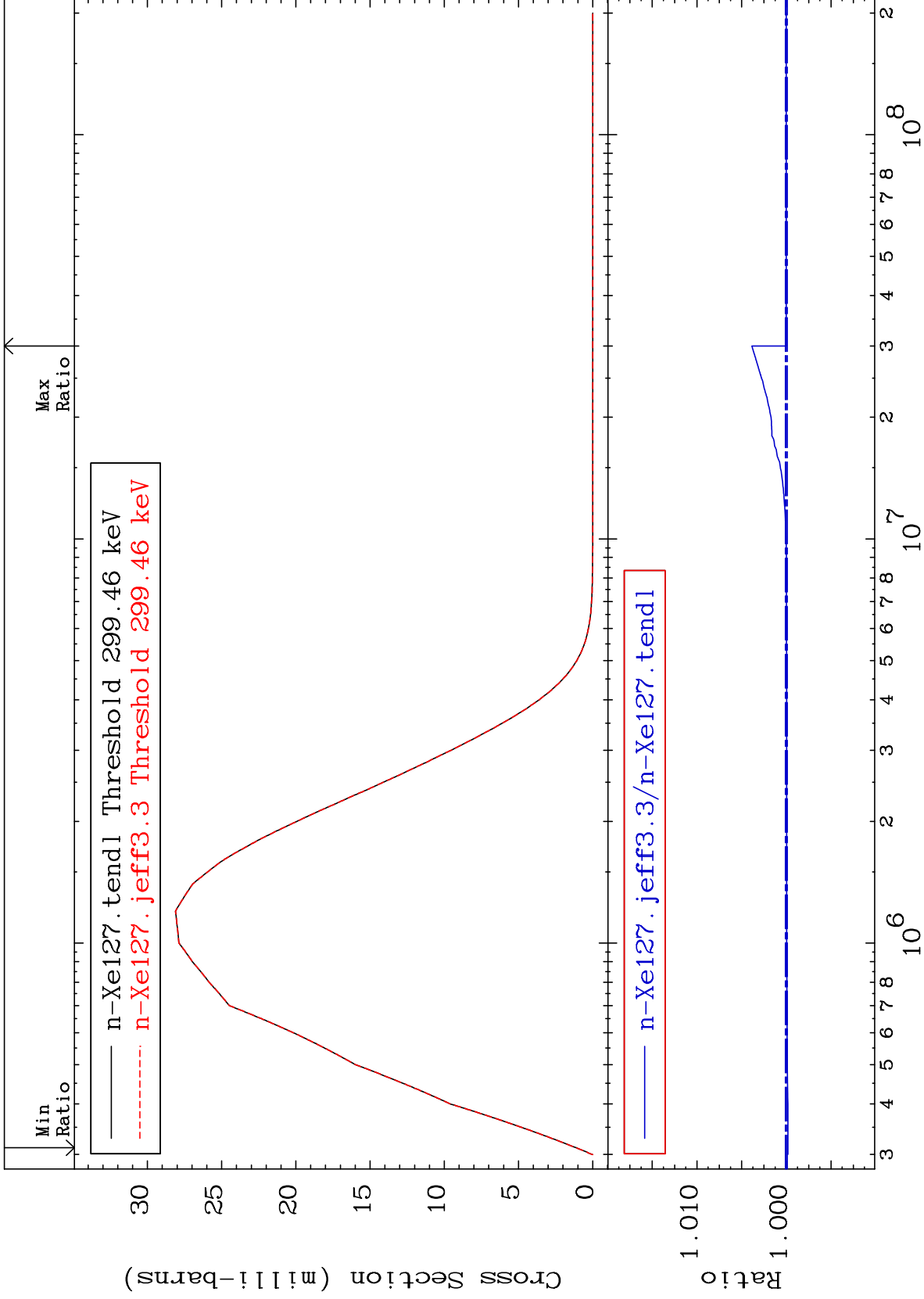
54-Xe-127
-0.009 To 0.386 %



MAT 5434

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

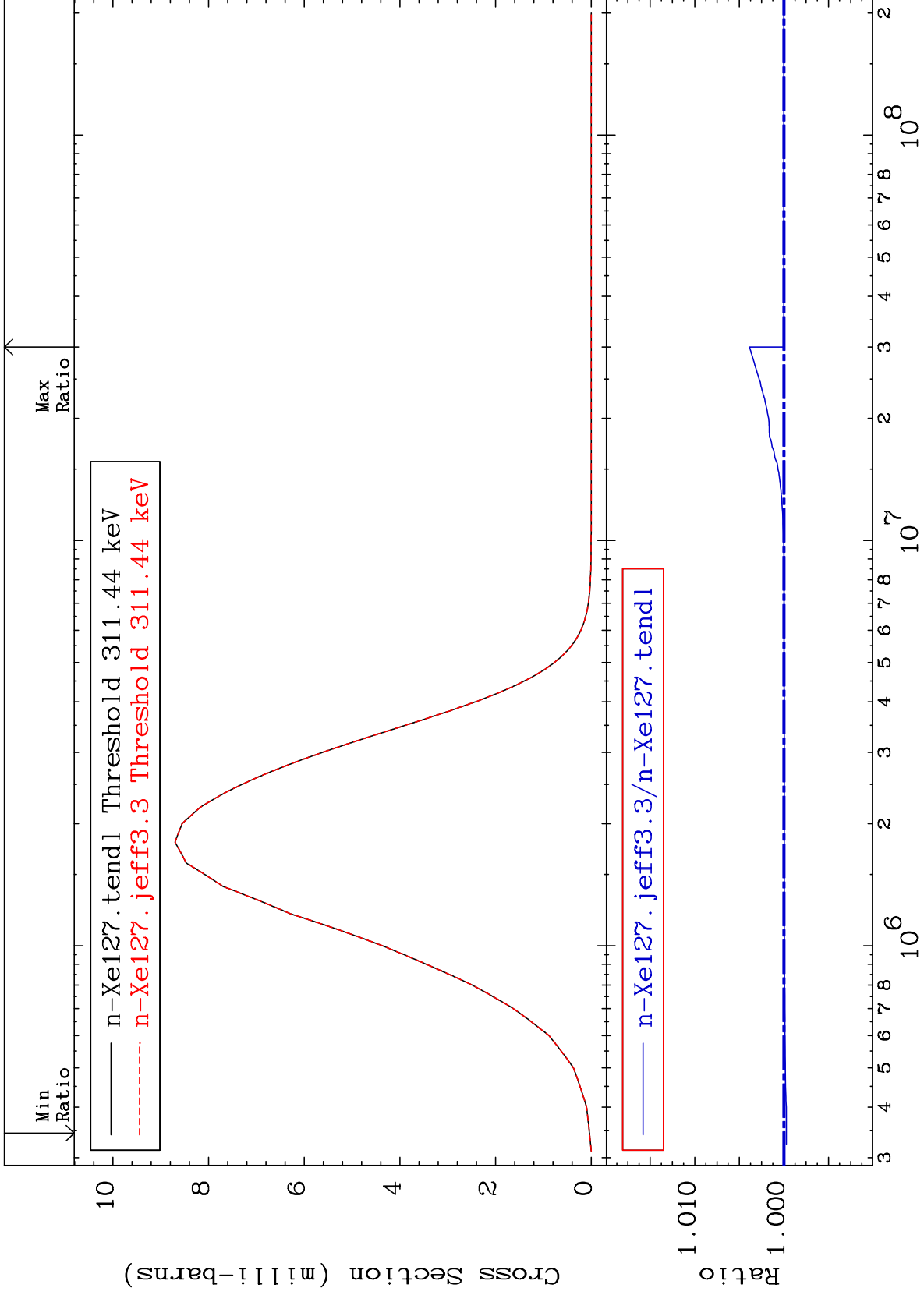
54-Xe-127
-0.018 To 0.386 %



MAT 5434

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

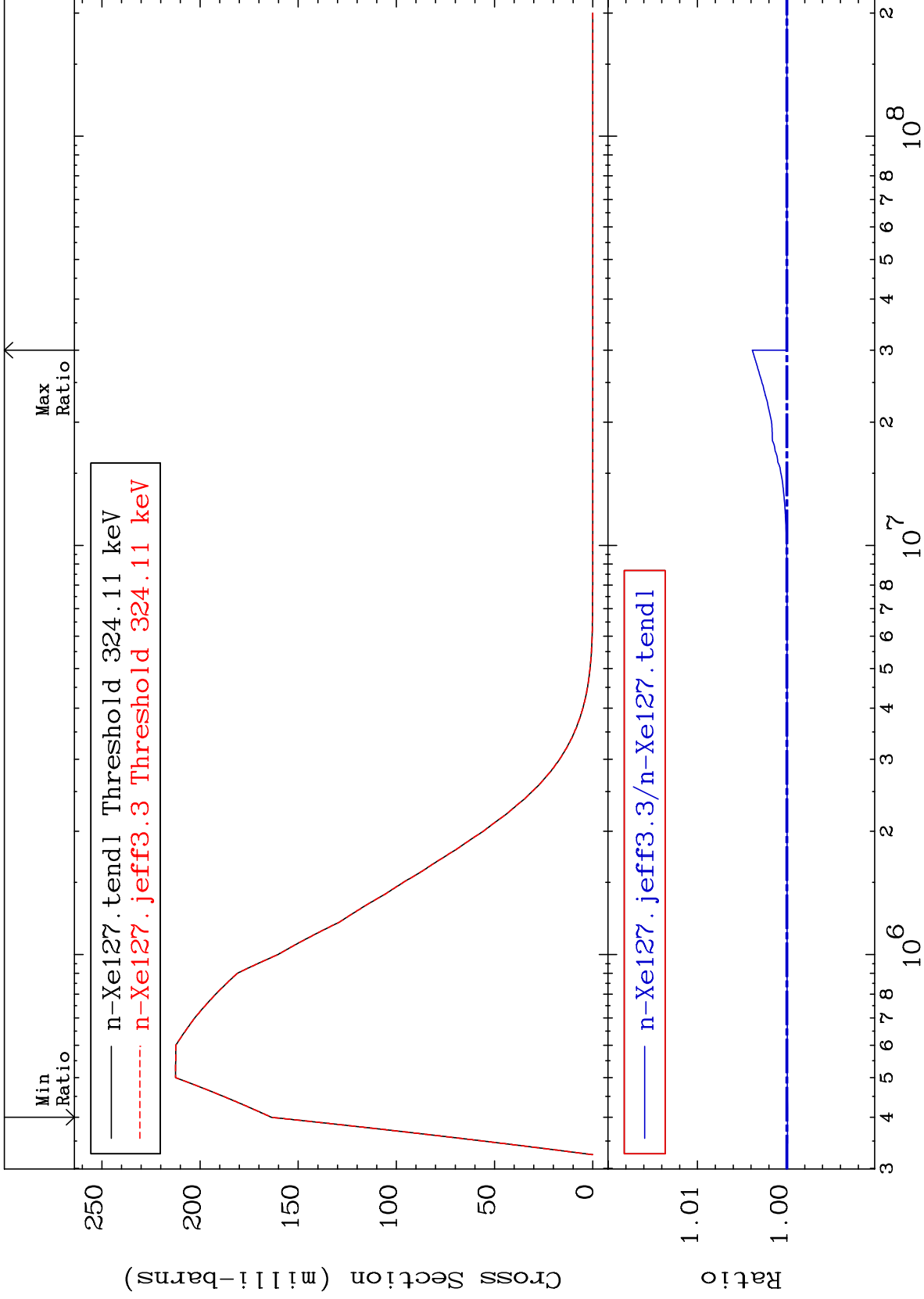
54-Xe-127
-0.029 To 0.386 %



MAT 5434

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

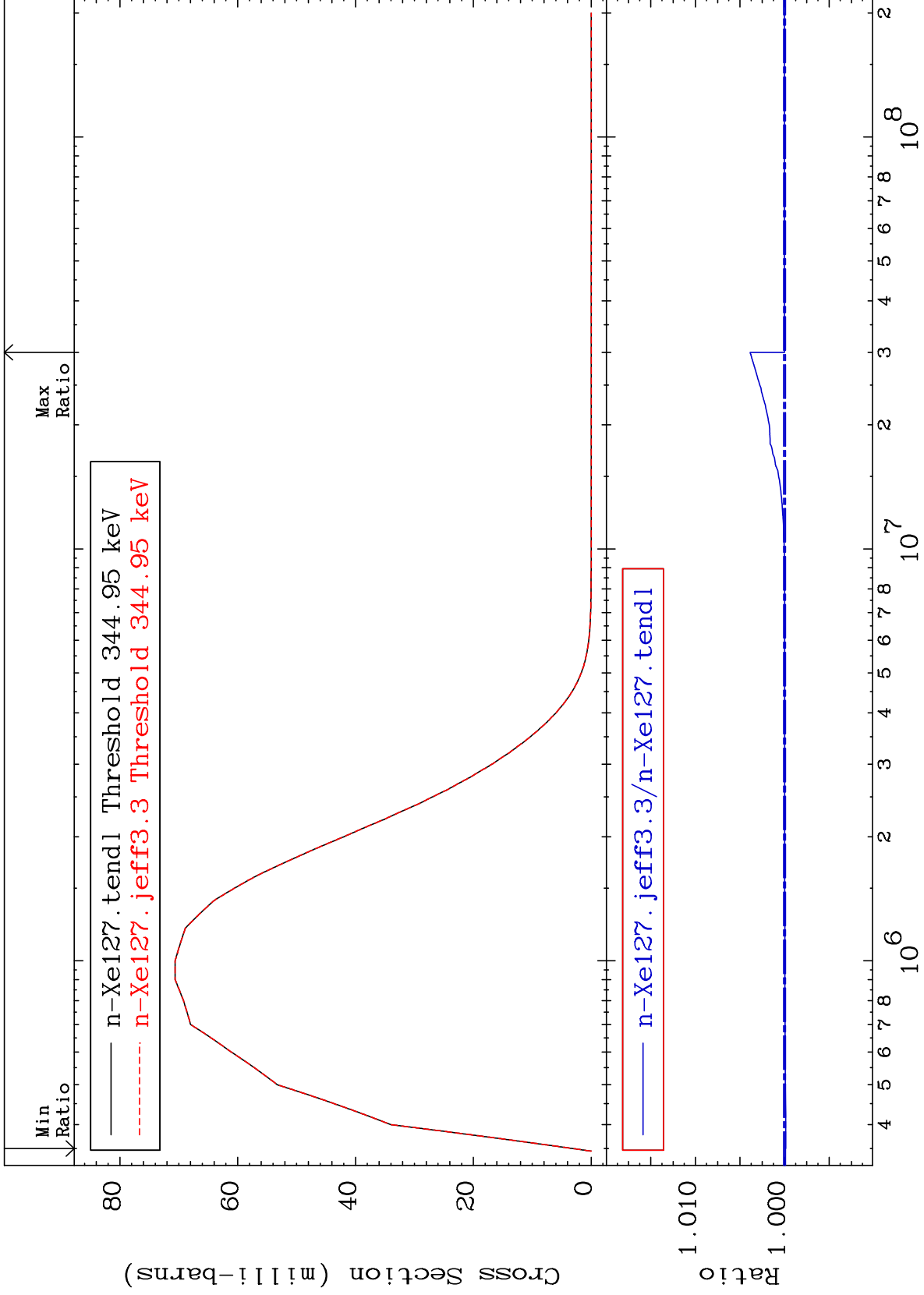
54-Xe-127
-0.007 To 0.386 %



MAT 5434

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

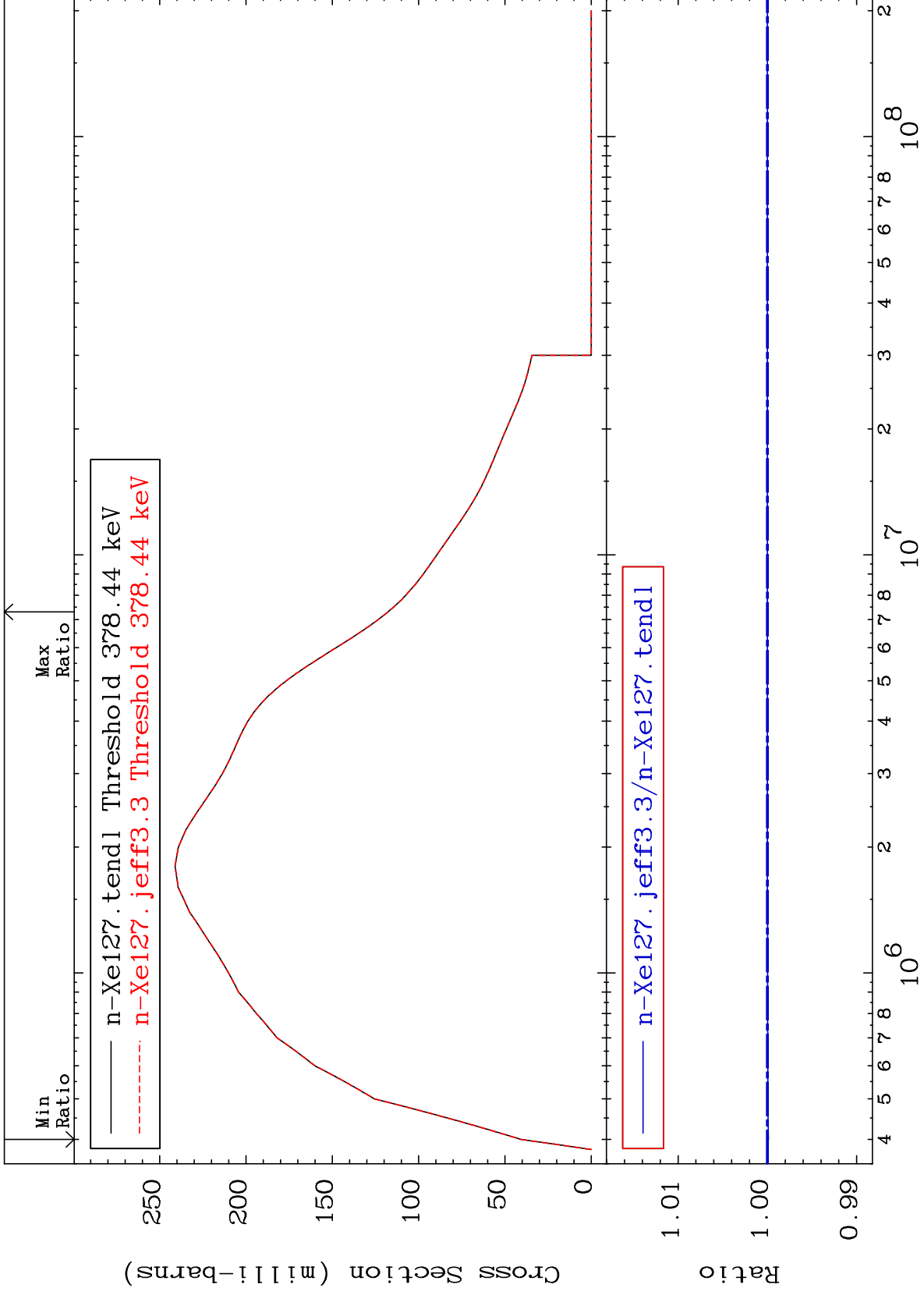
54-Xe-127
-0.014 To 0.386 %



MAT 5434

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

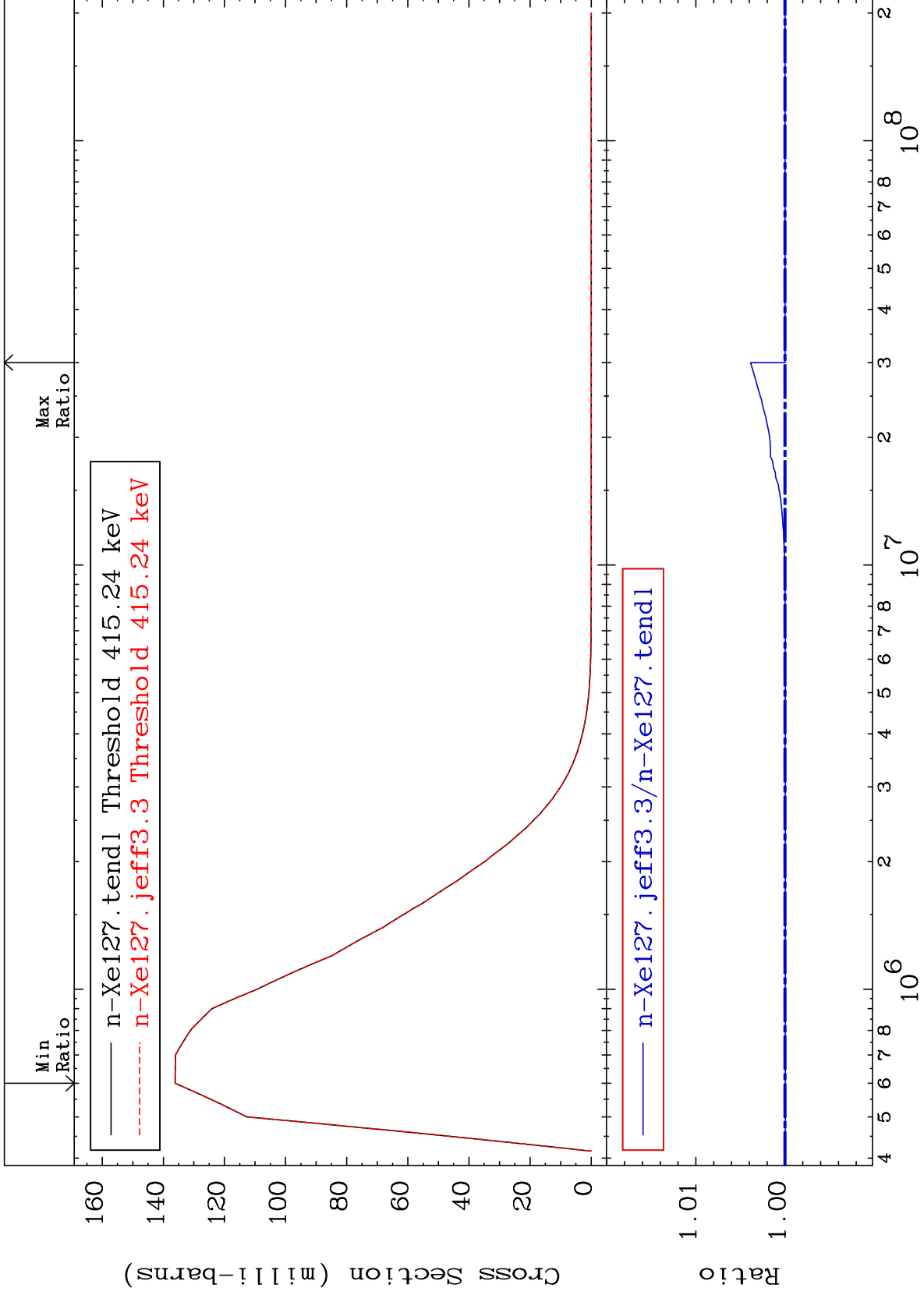
54-Xe-127
-0.013 To 0.000 %



MAT 5434

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

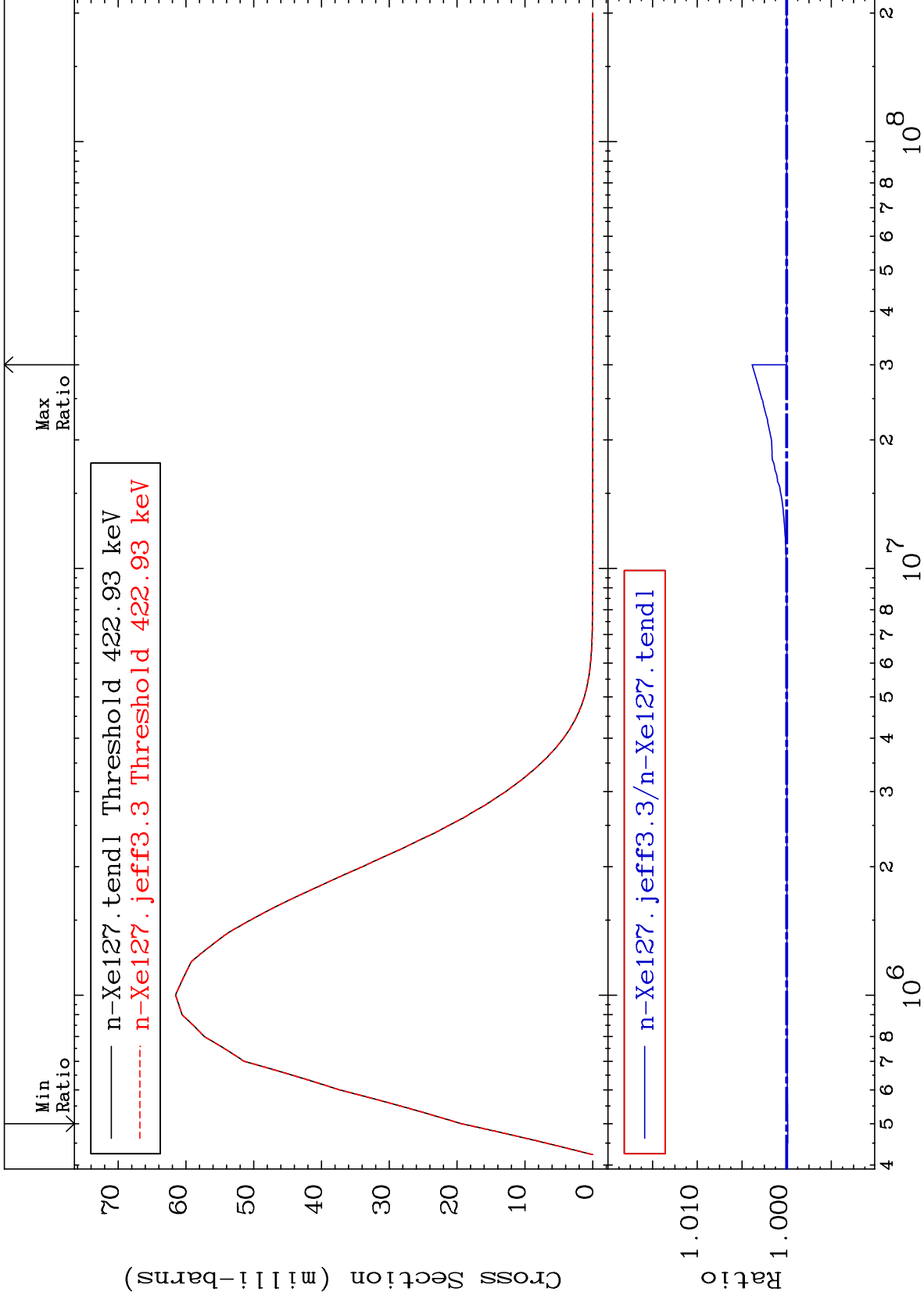
54-Xe-127
-0.004 To 0.386 %



MAT 5434

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

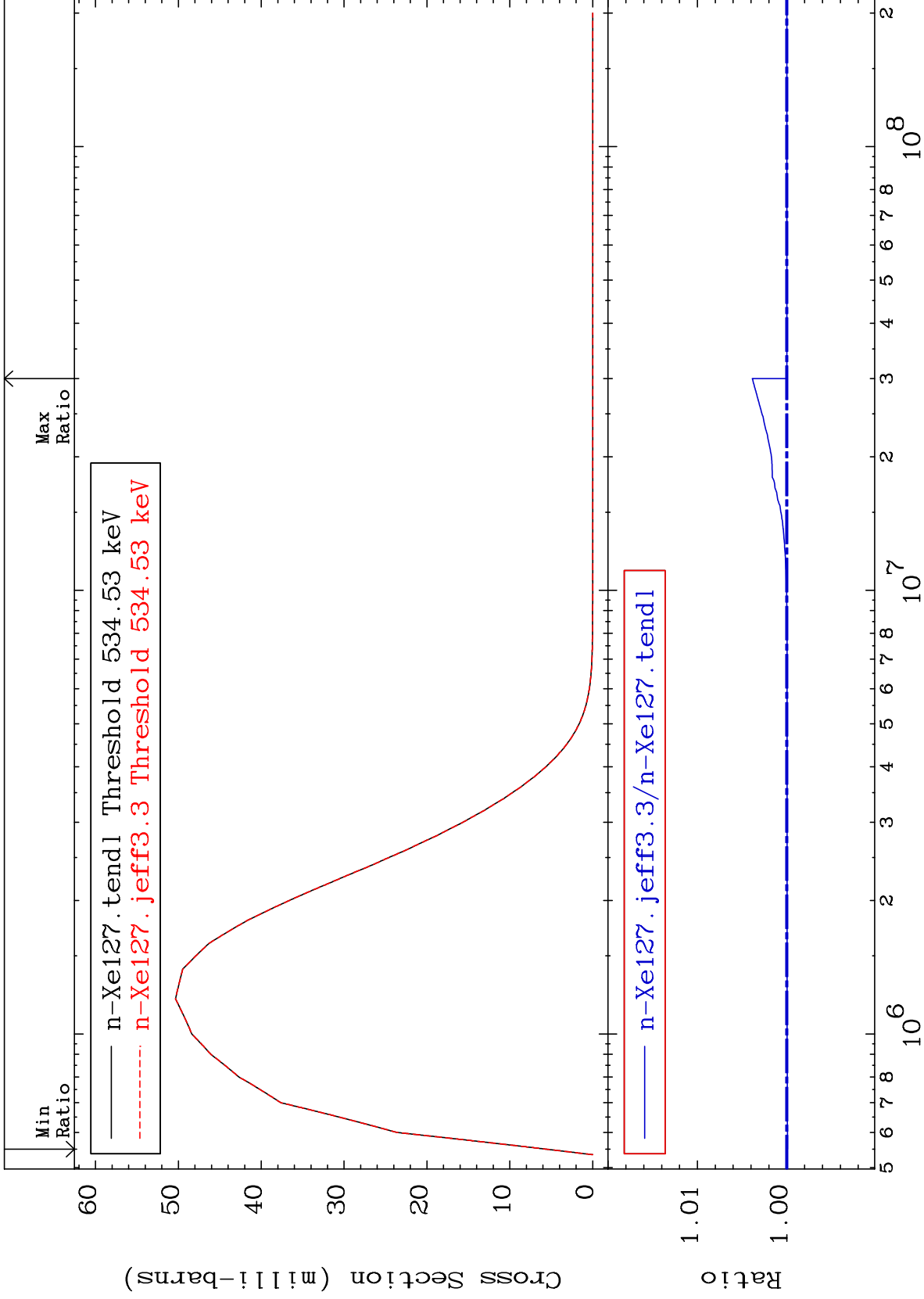
54-Xe-127
-0.011 To 0.386 %



MAT 5434

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

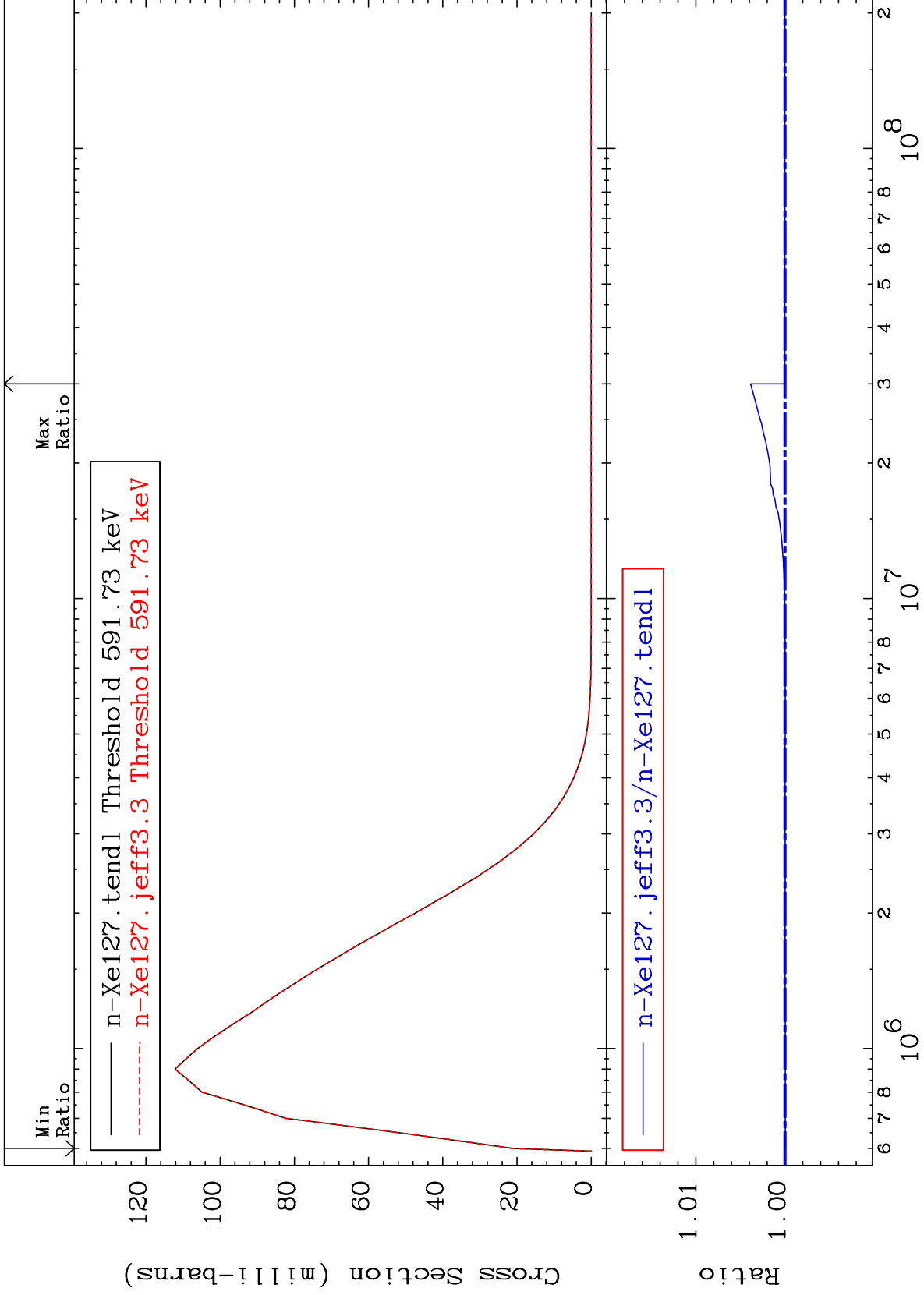
54-Xe-127
-0.008 To 0.385 %



MAT 5434

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

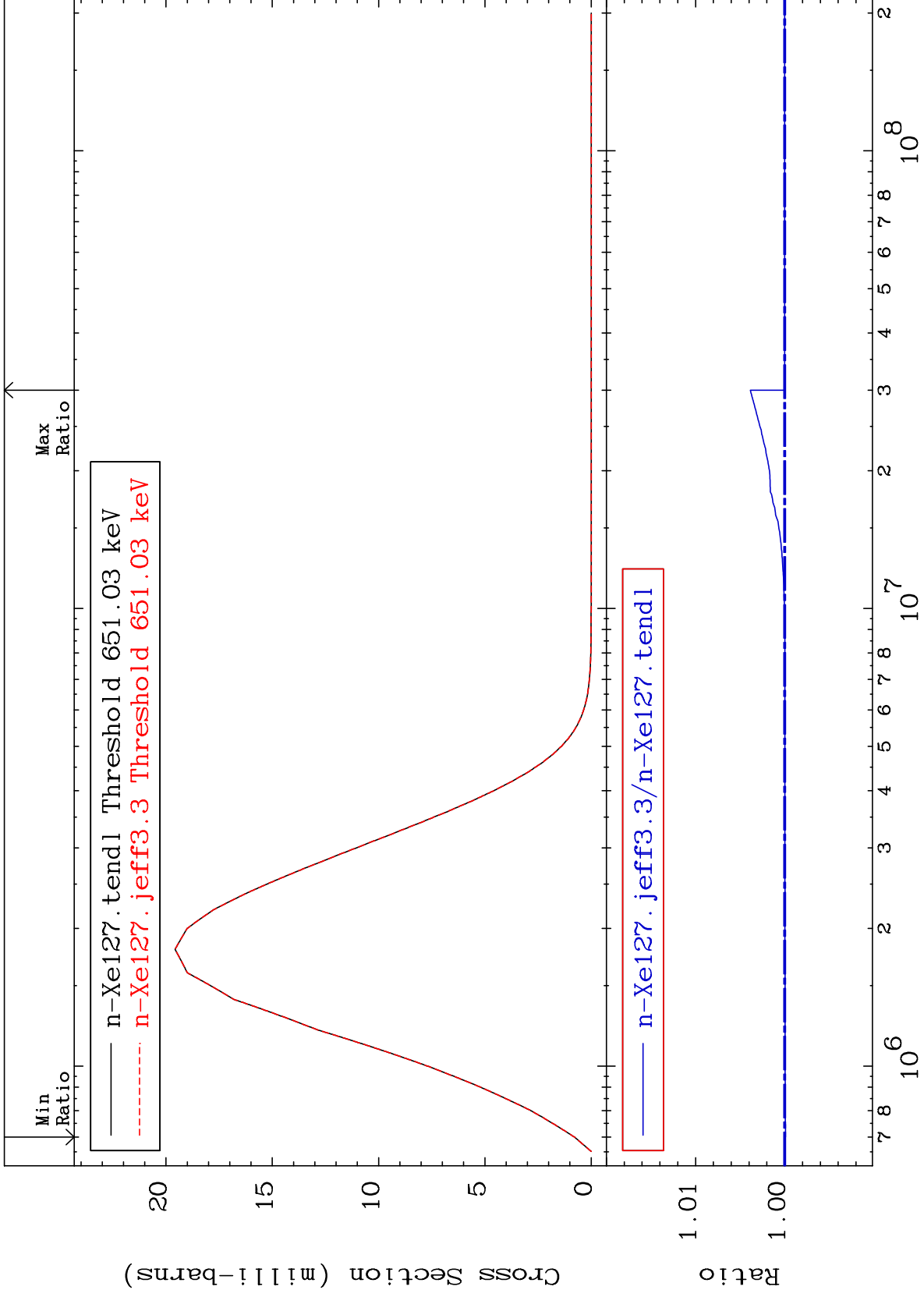
54-Xe-127
-0.004 To 0.386 %



MAT 5434

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

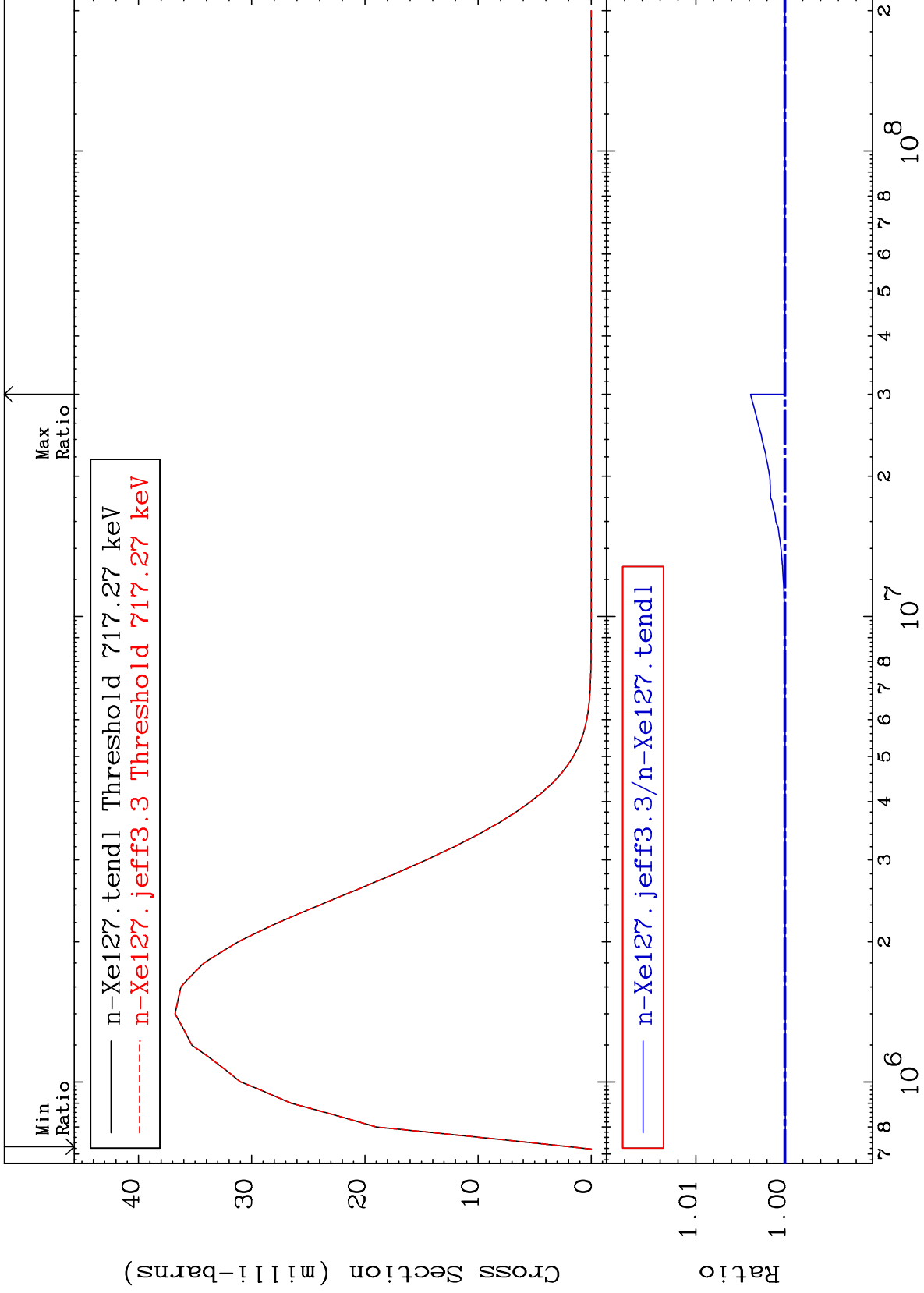
54-Xe-127
-0.010 To 0.386 %



MAT 5434

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

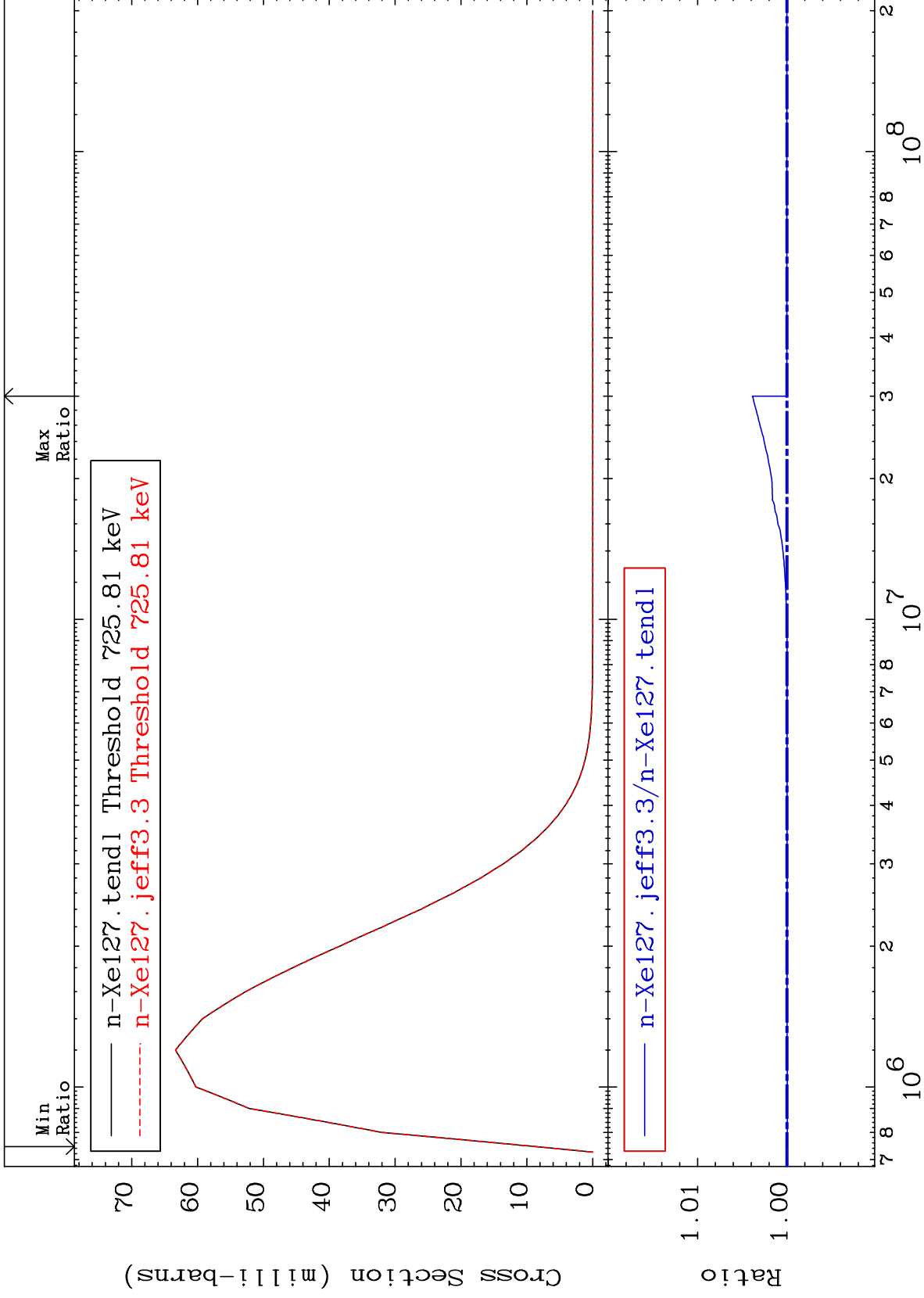
54-Xe-127
-0.005 To 0.386 %



MAT 5434

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

54-Xe-127
-0.004 To 0.385 %



30

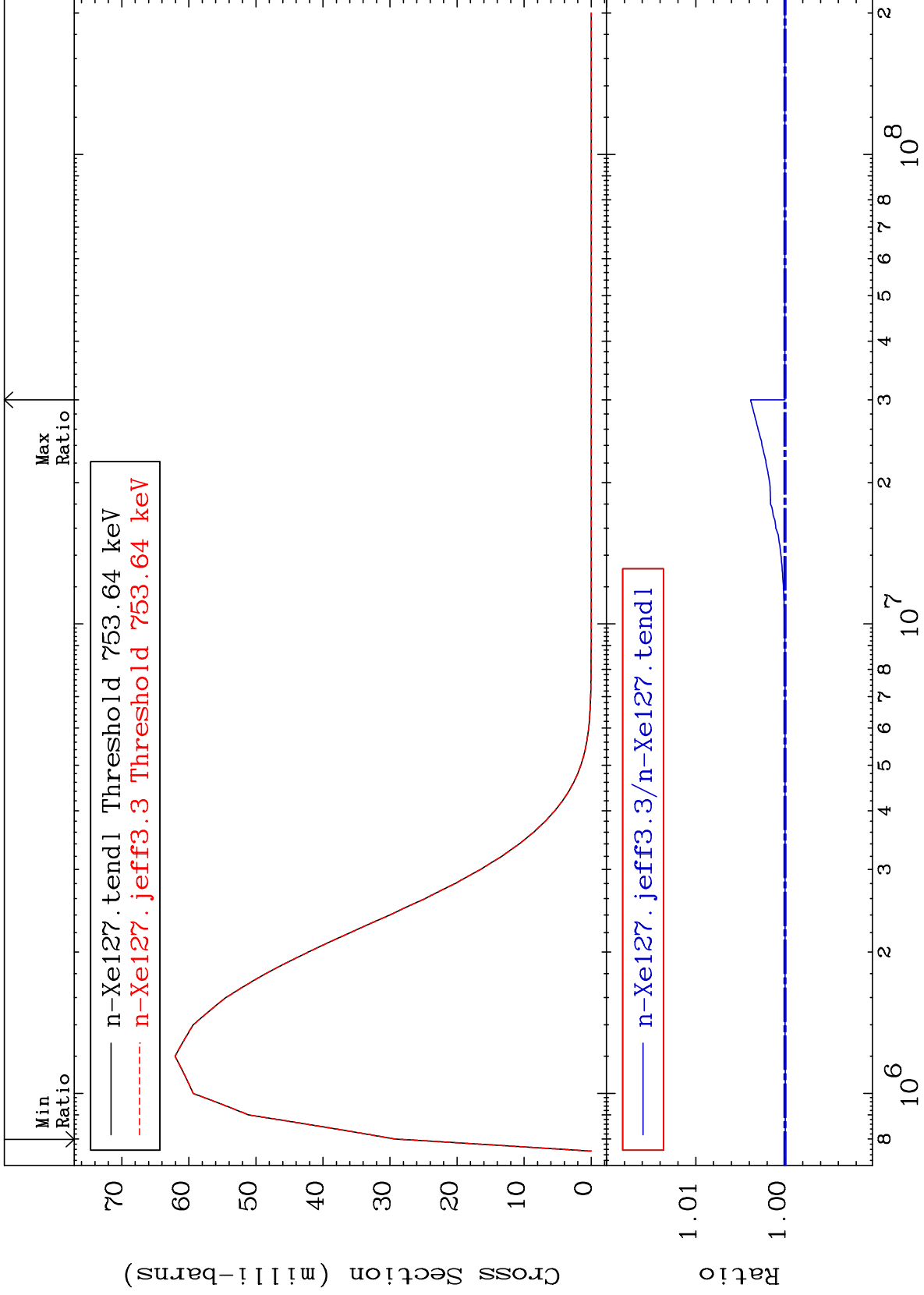
Incident Energy (eV)

54-Xe-127

MAT 5434

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

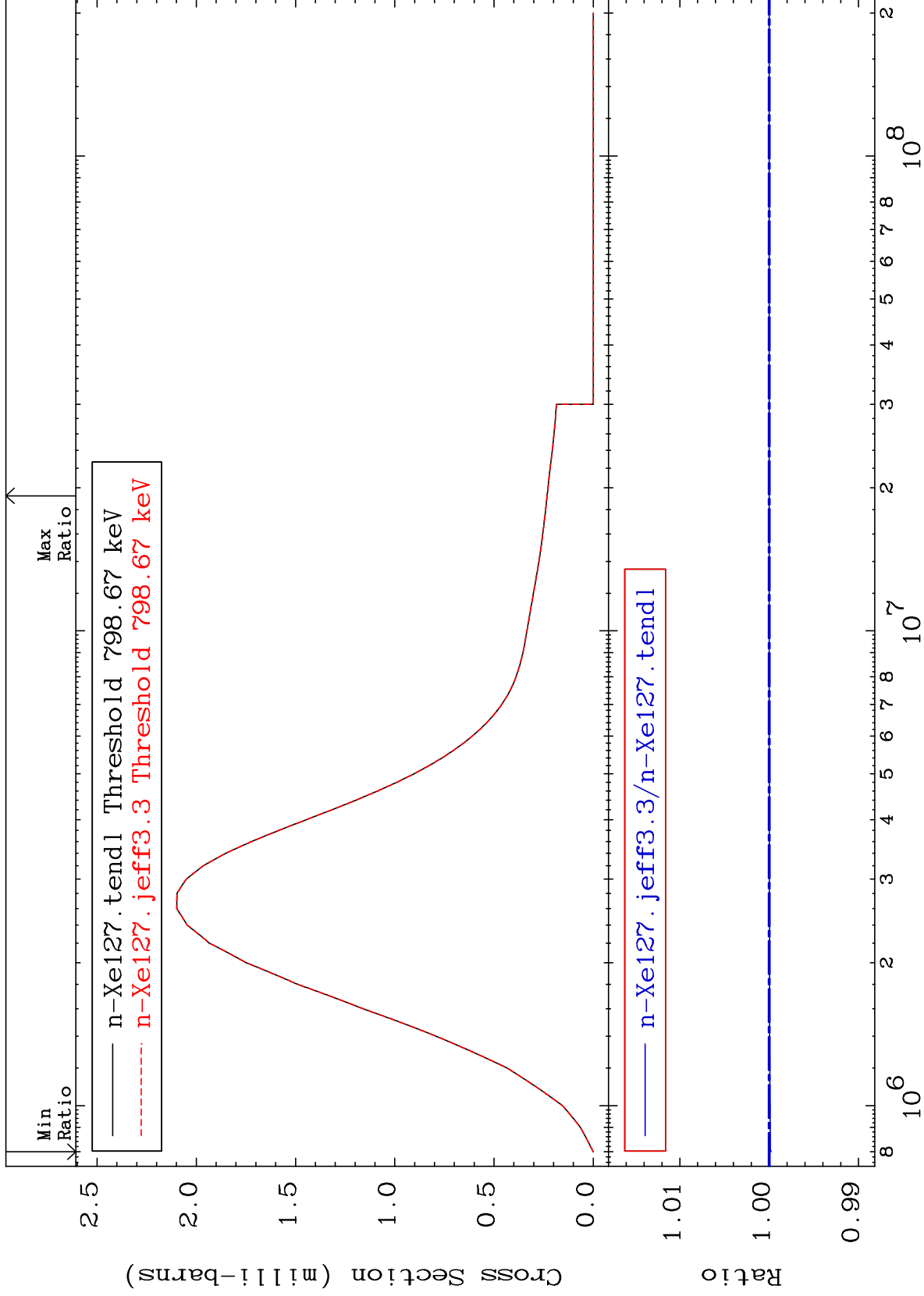
54-Xe-127
-0.005 To 0.386 %



MAT 5434

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

54-Xe-127
-0.021 To 0.000 %



32

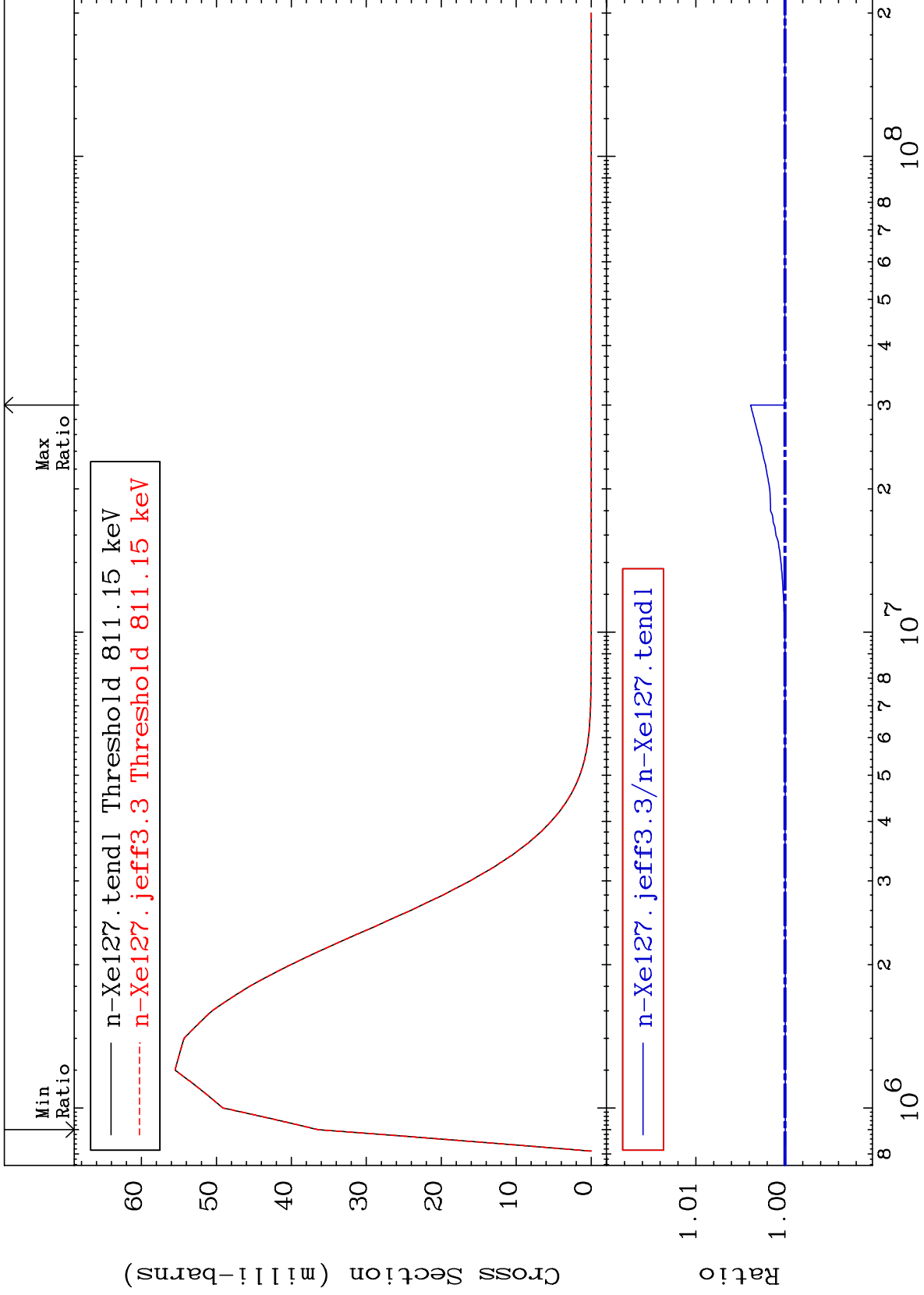
Incident Energy (eV)

54-Xe-127

MAT 5434

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

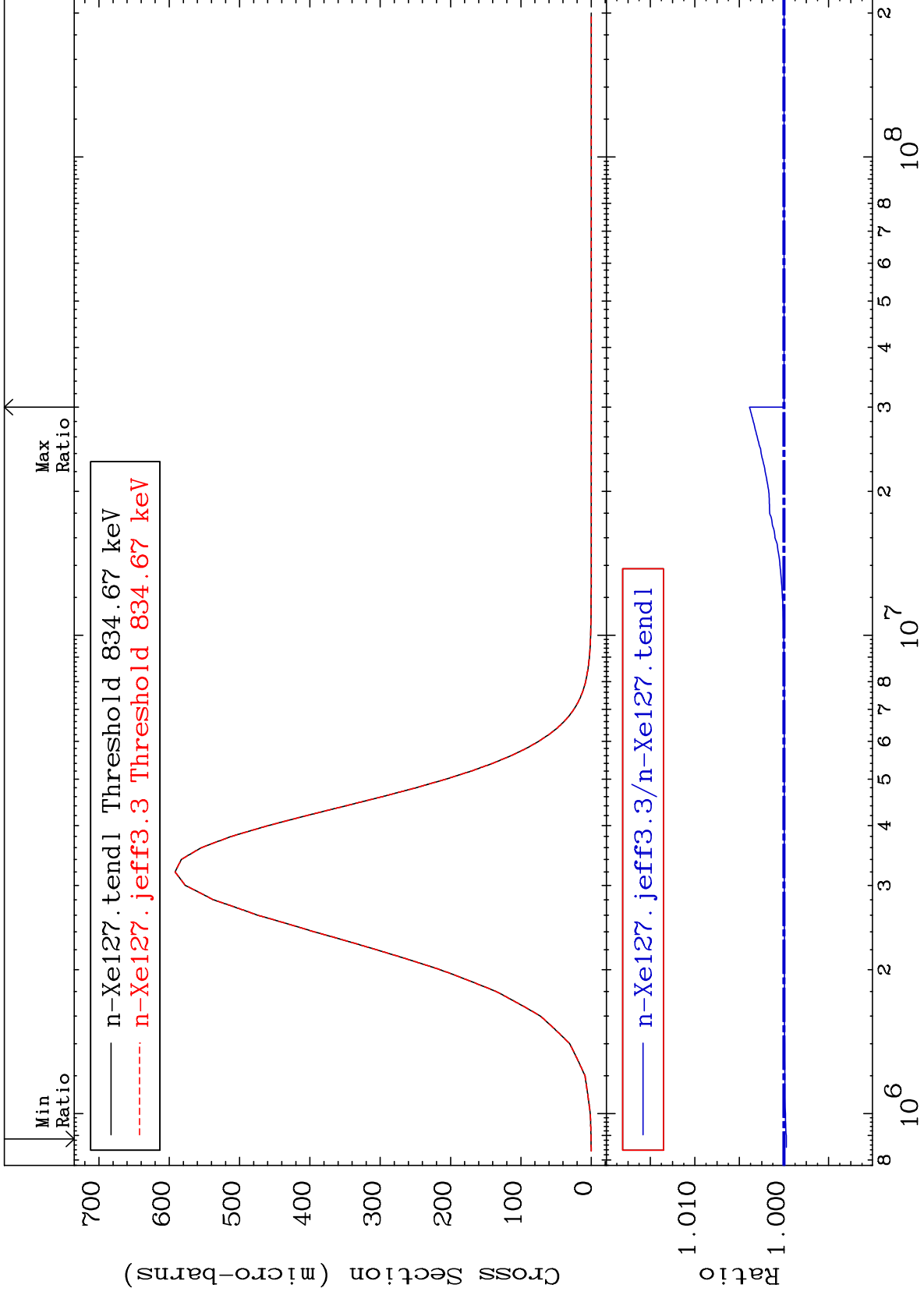
54-Xe-127
-0.004 To 0.386 %



MAT 5434

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

54-Xe-127
-0.026 To 0.387 %



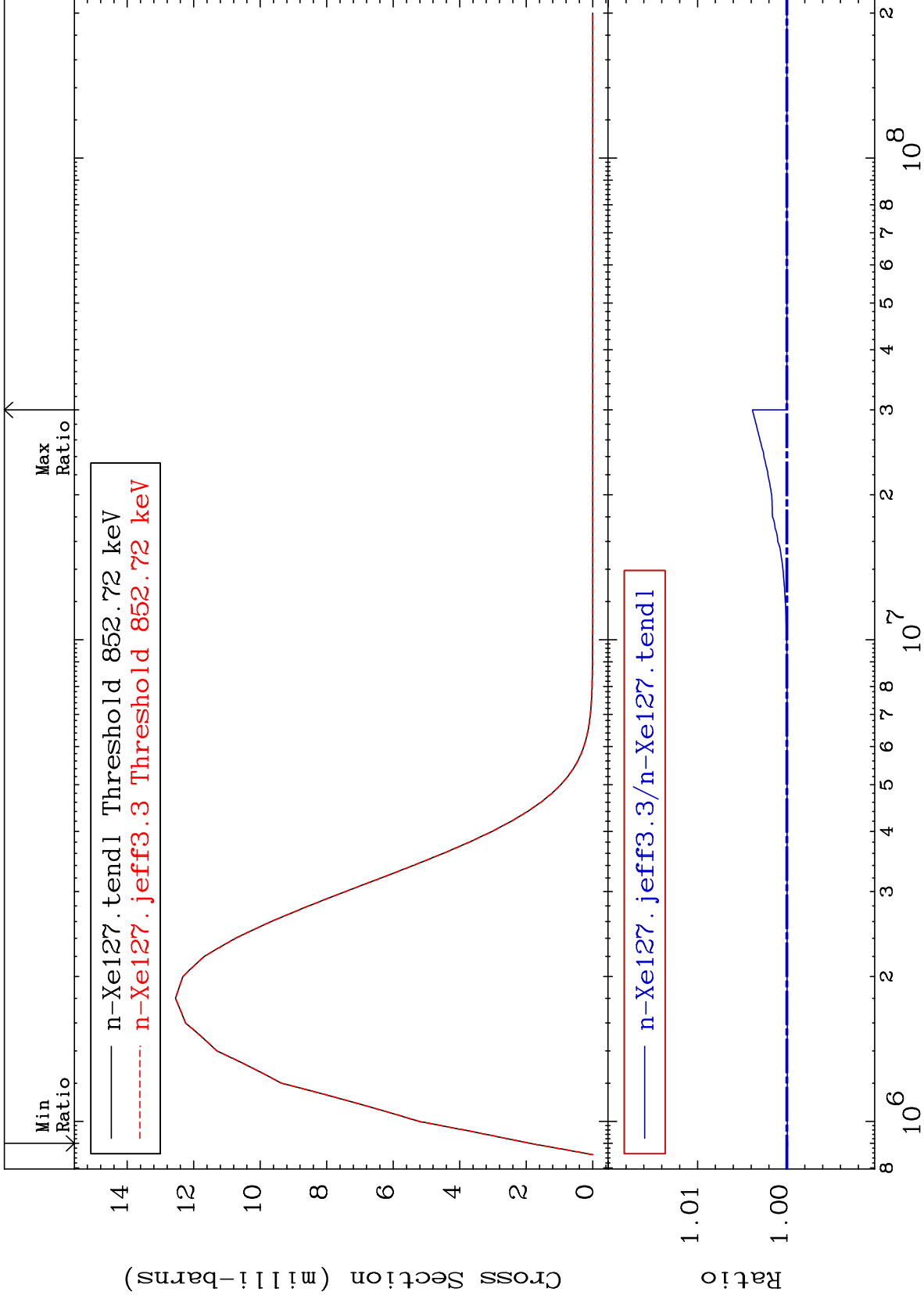
34

54-Xe-127

MAT 5434

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

54-Xe-127
-0.006 To 0.386 %



35

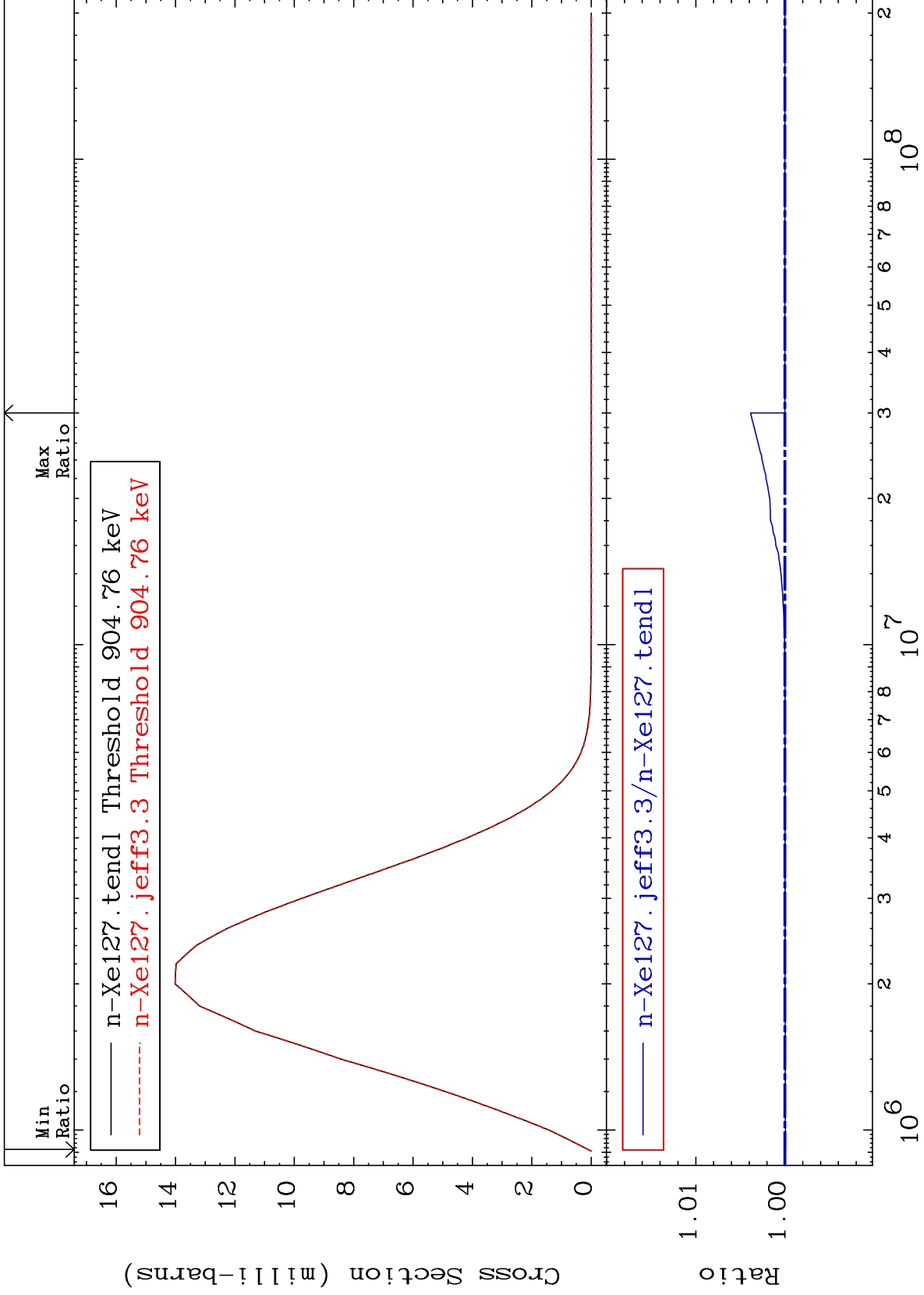
Incident Energy (eV)

54-Xe-127

MAT 5434

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

54-Xe-127
-0.006 To 0.386 %



36

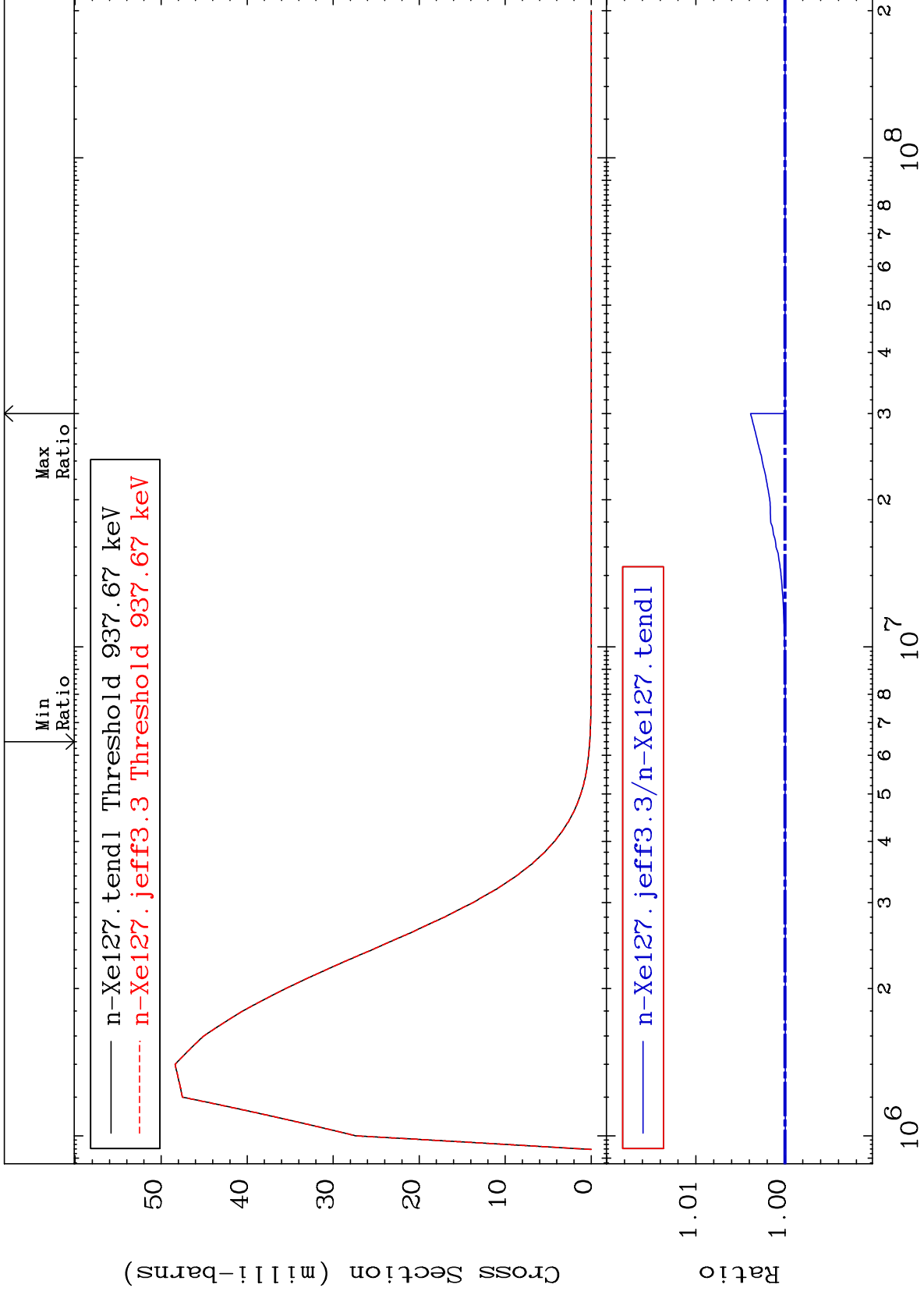
Incident Energy (eV)

54-Xe-127

MAT 5434

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

54-Xe-127
-0.003 To 0.386 %



37

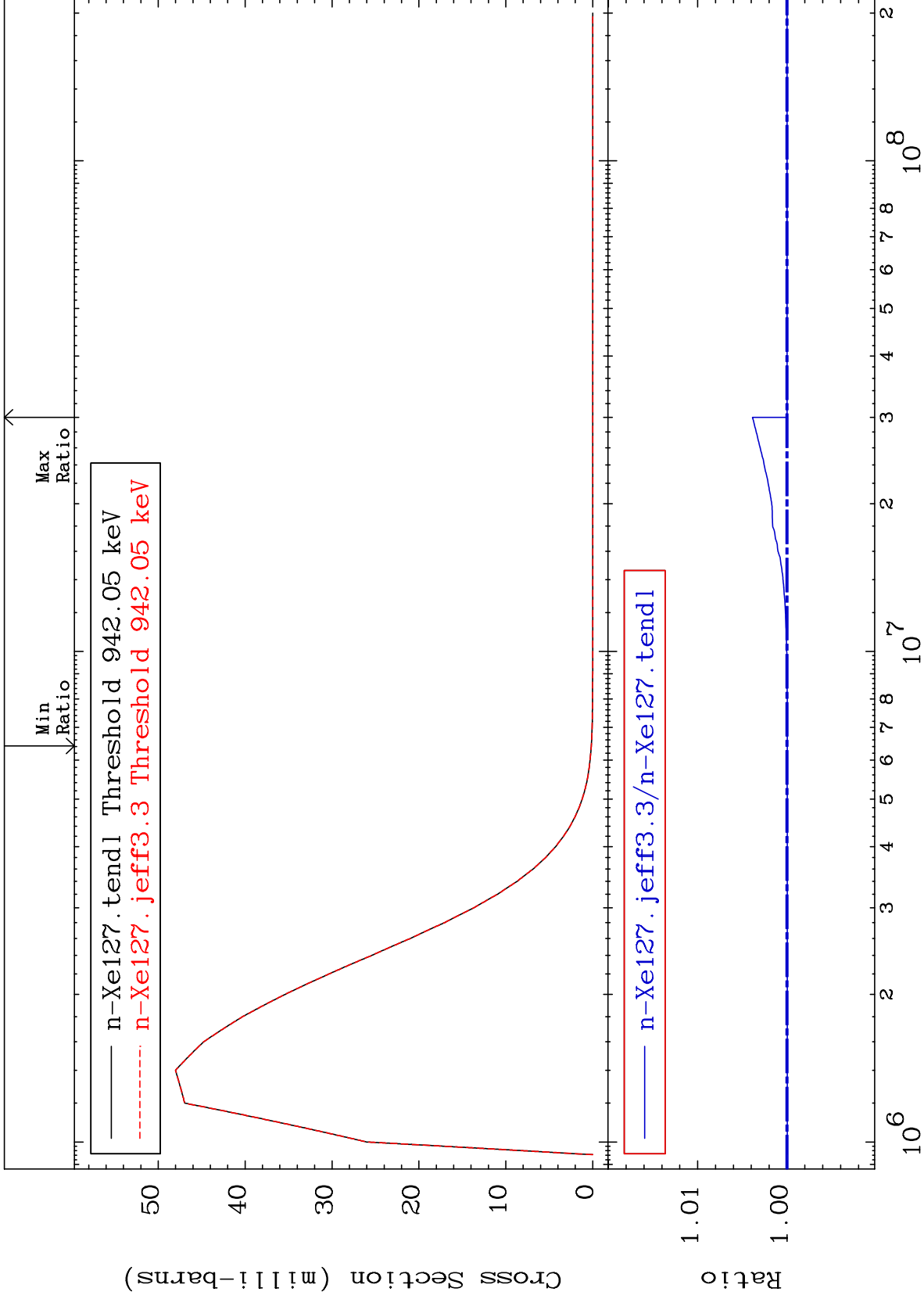
Incident Energy (eV)

54-Xe-127

MAT 5434

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

54-Xe-127
-0.003 To 0.386 %



38

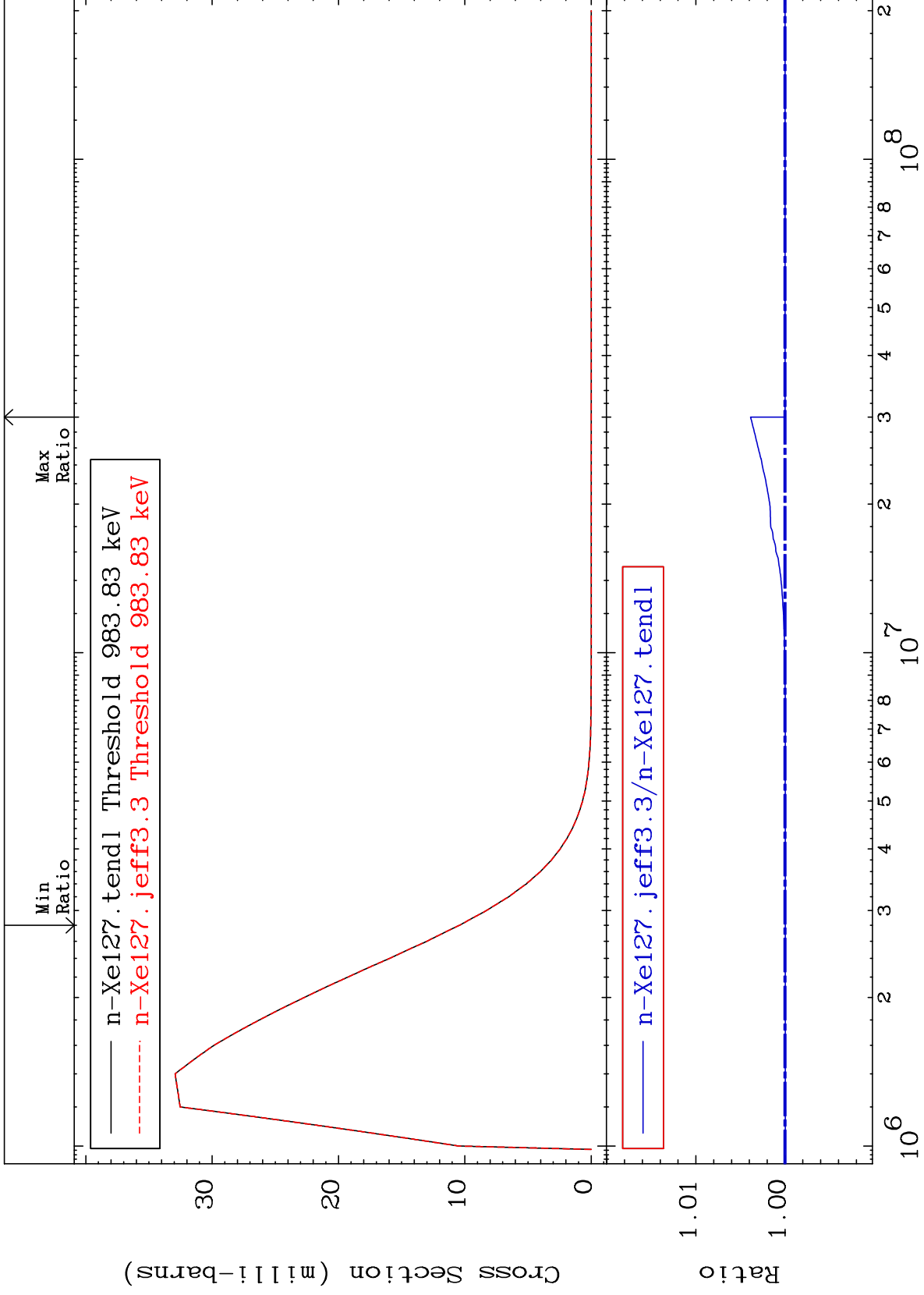
Incident Energy (eV)

54-Xe-127

MAT 5434

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

54-Xe-127
-0.003 To 0.386 %



39

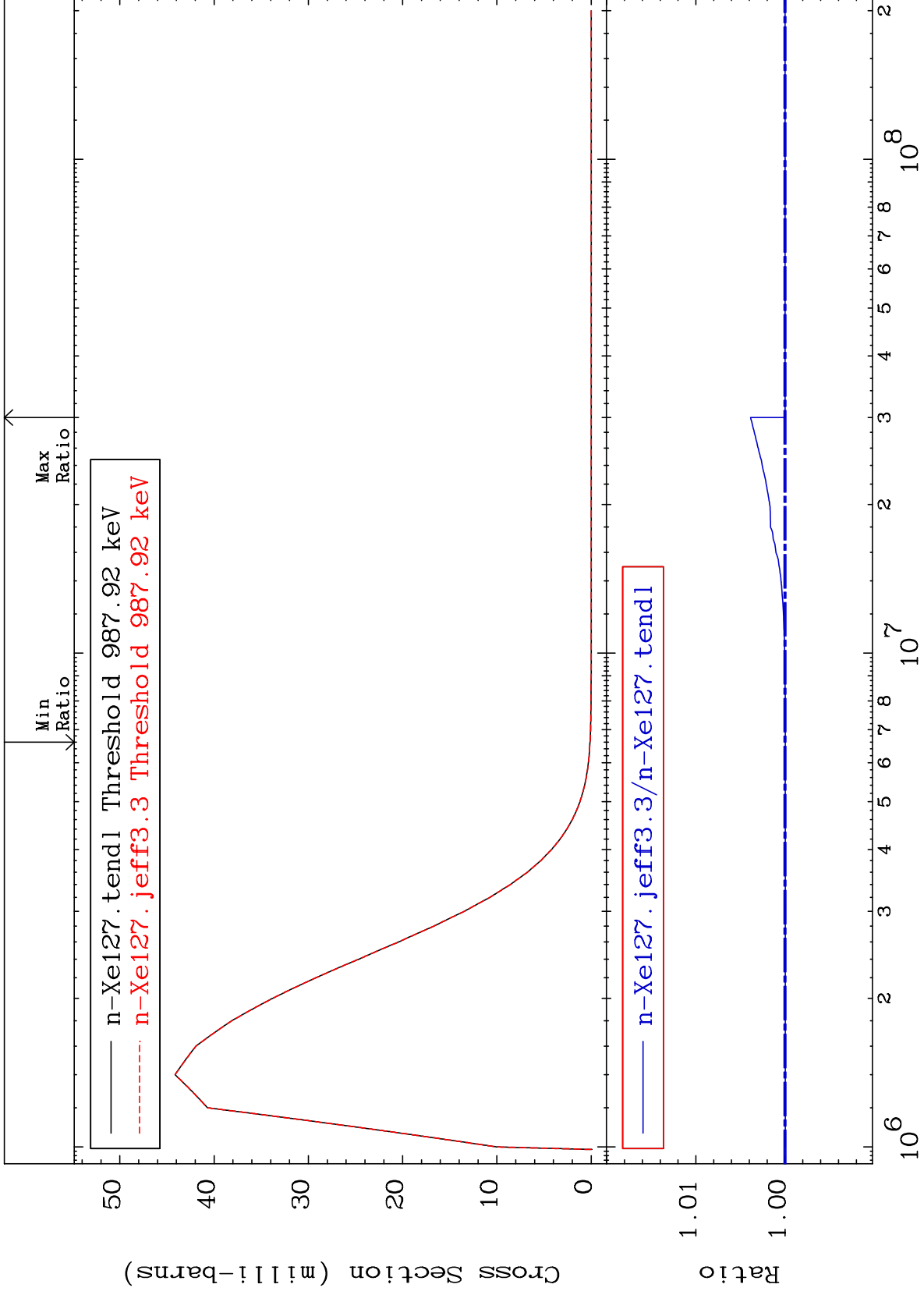
Incident Energy (eV)

54-Xe-127

MAT 5434

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

54-Xe-127
-0.003 To 0.386 %



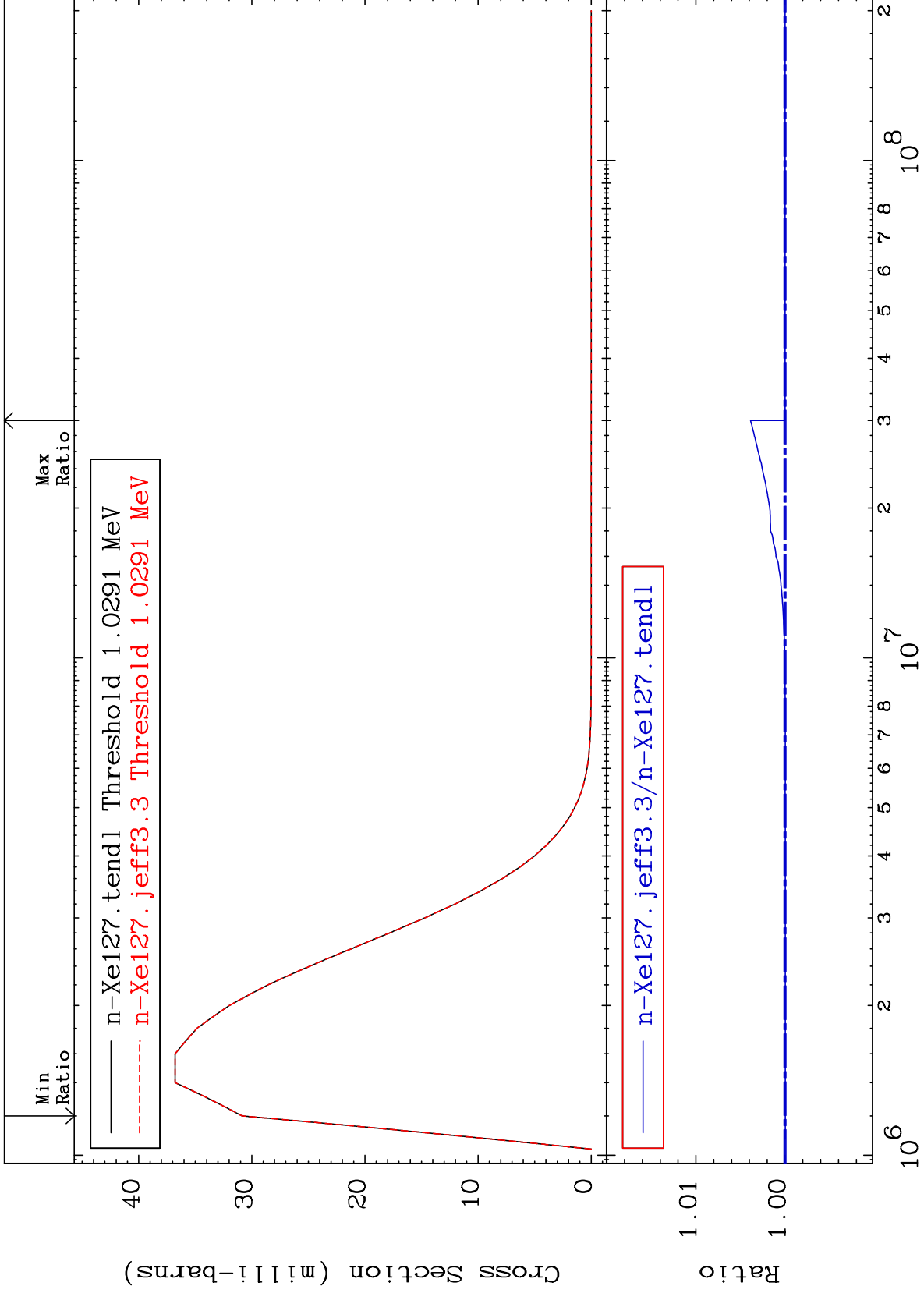
Incident Energy (eV)

54-Xe-127

MAT 5434

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

54-Xe-127
-0.003 To 0.386 %



41

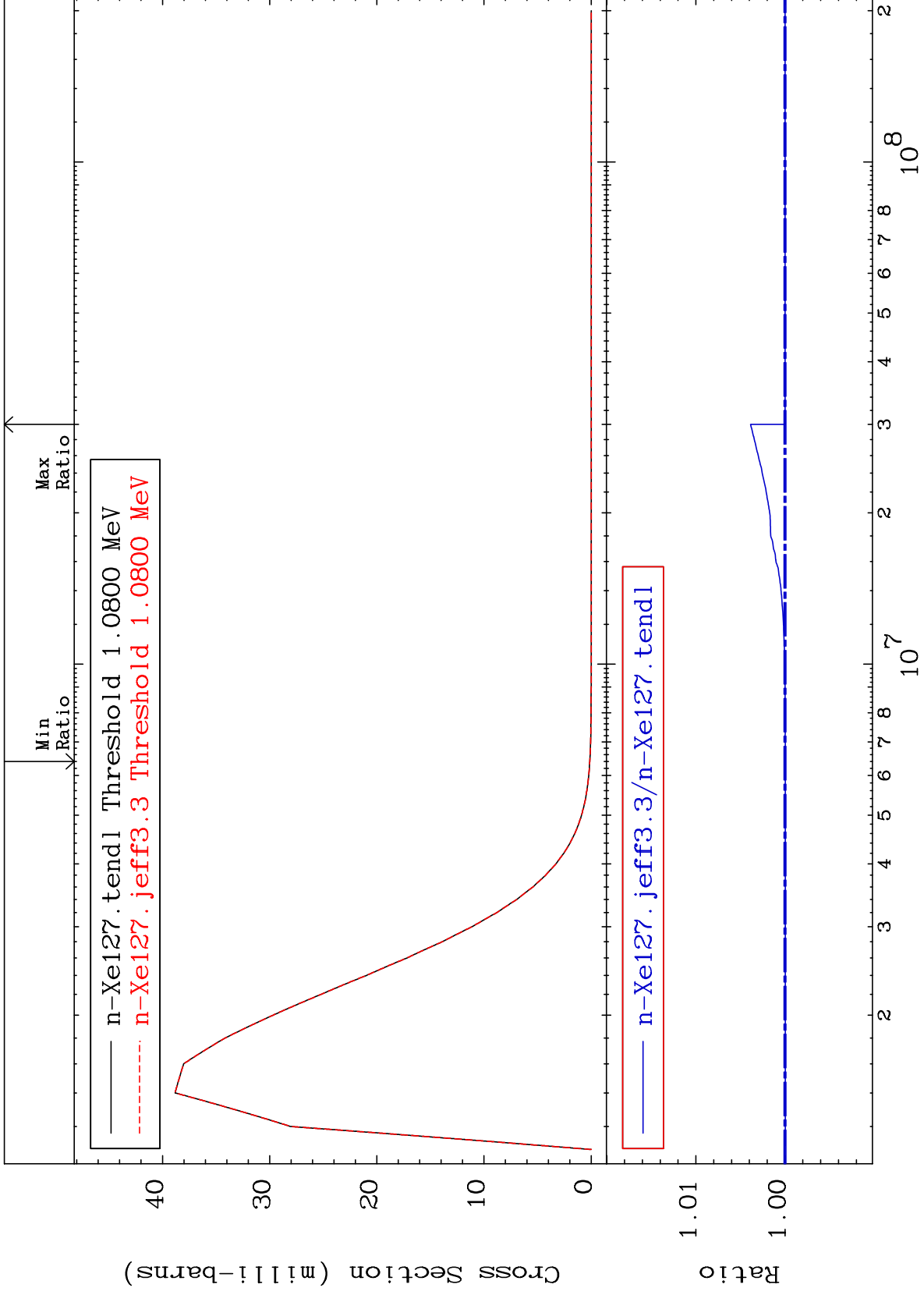
Incident Energy (eV)

54-Xe-127

MAT 5434

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

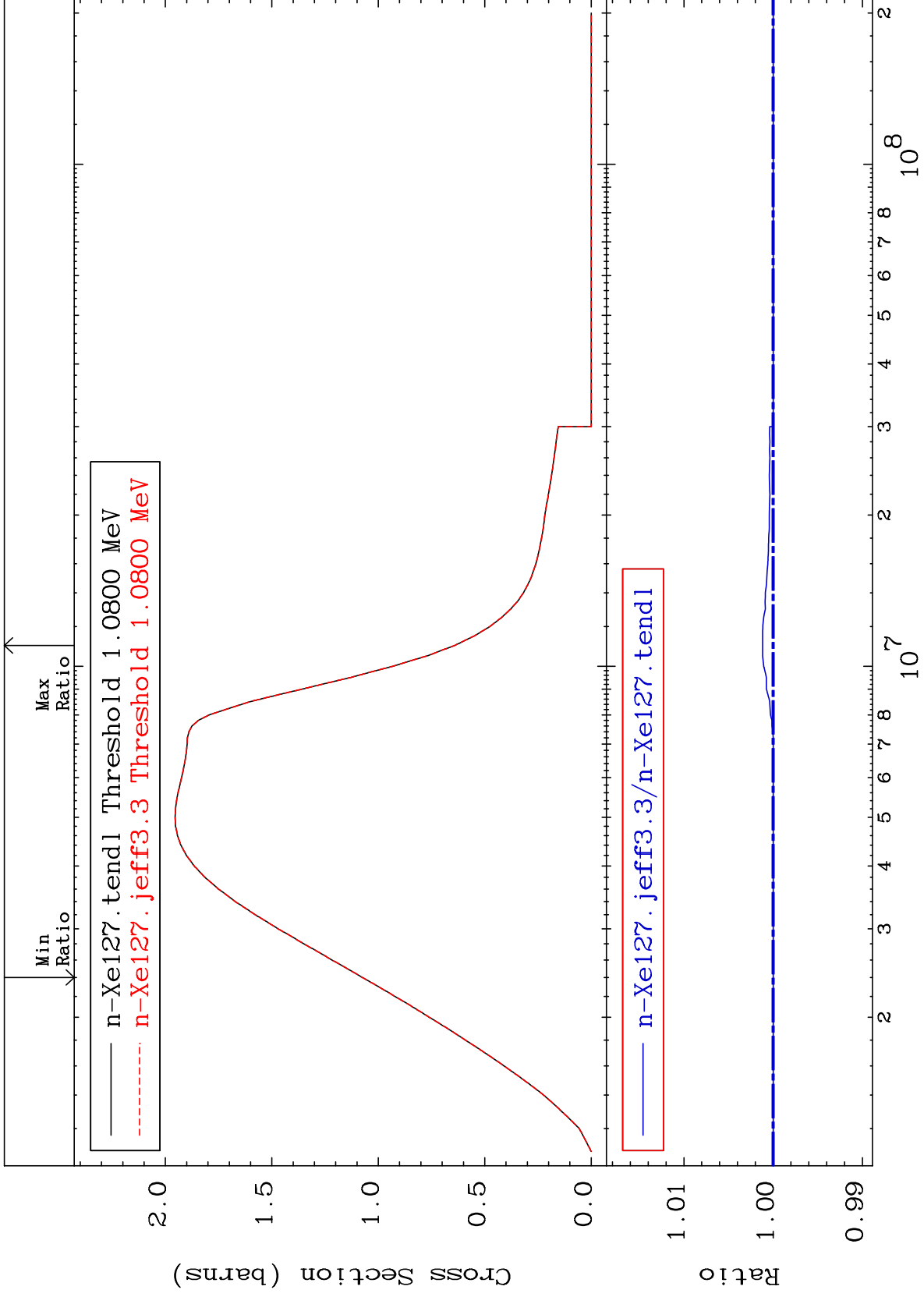
54-Xe-127
-0.003 To 0.386 %



MAT 5434

(n, n') Continuum
Cross Section

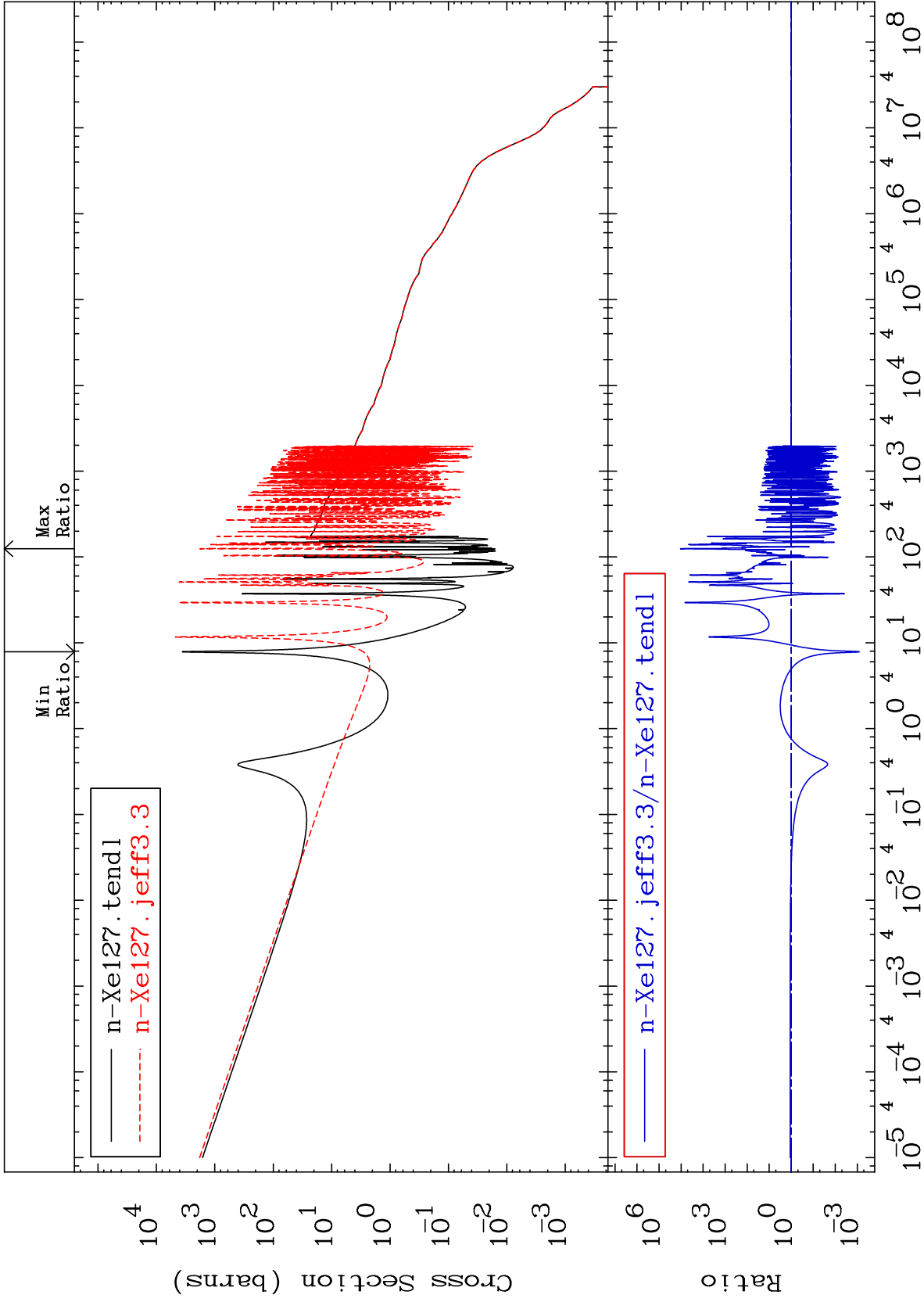
54-Xe-127
-0.002 To 0.119 %



MAT 5434

(n, γ)
Cross Section

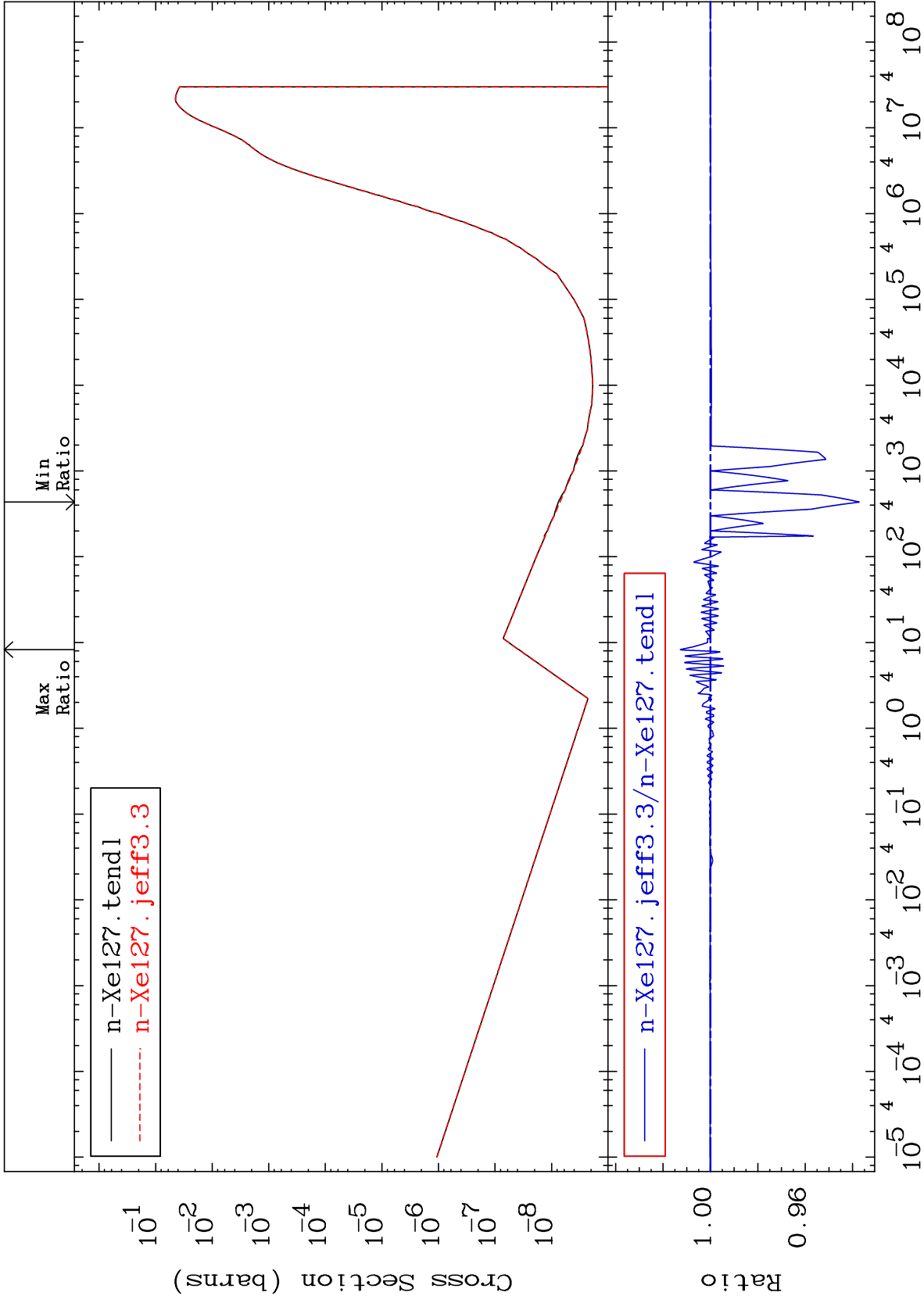
54-Xe-127
-99.92 To 9999. %



MAT 5434

(n,p)
Cross Section

54-Xe-127
-6.288 To 1.268 %



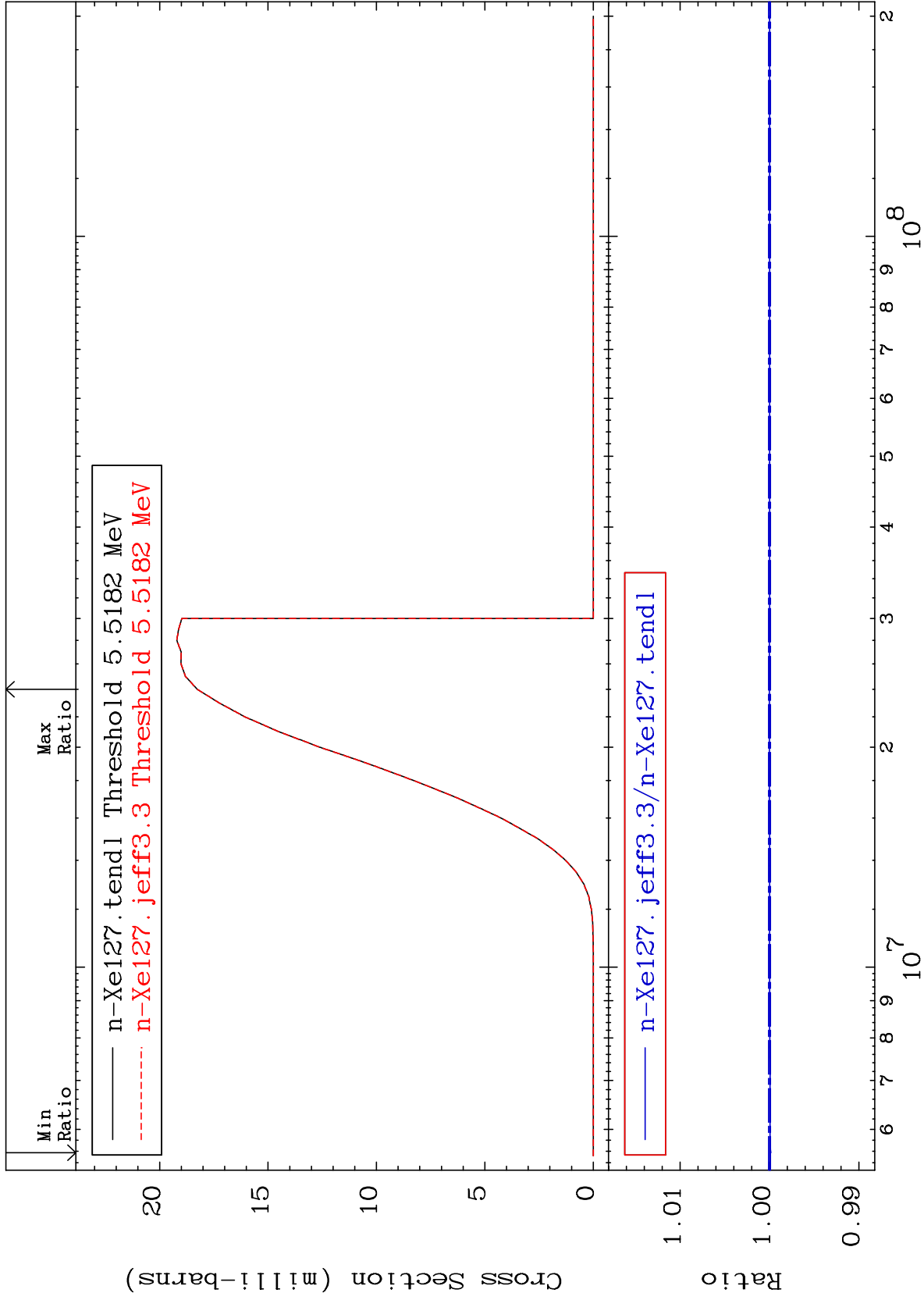
MAT 5434

(n, d)

54-Xe-127

Cross Section

-0.016 To 0.001 %



46

Incident Energy (eV)

54-Xe-127

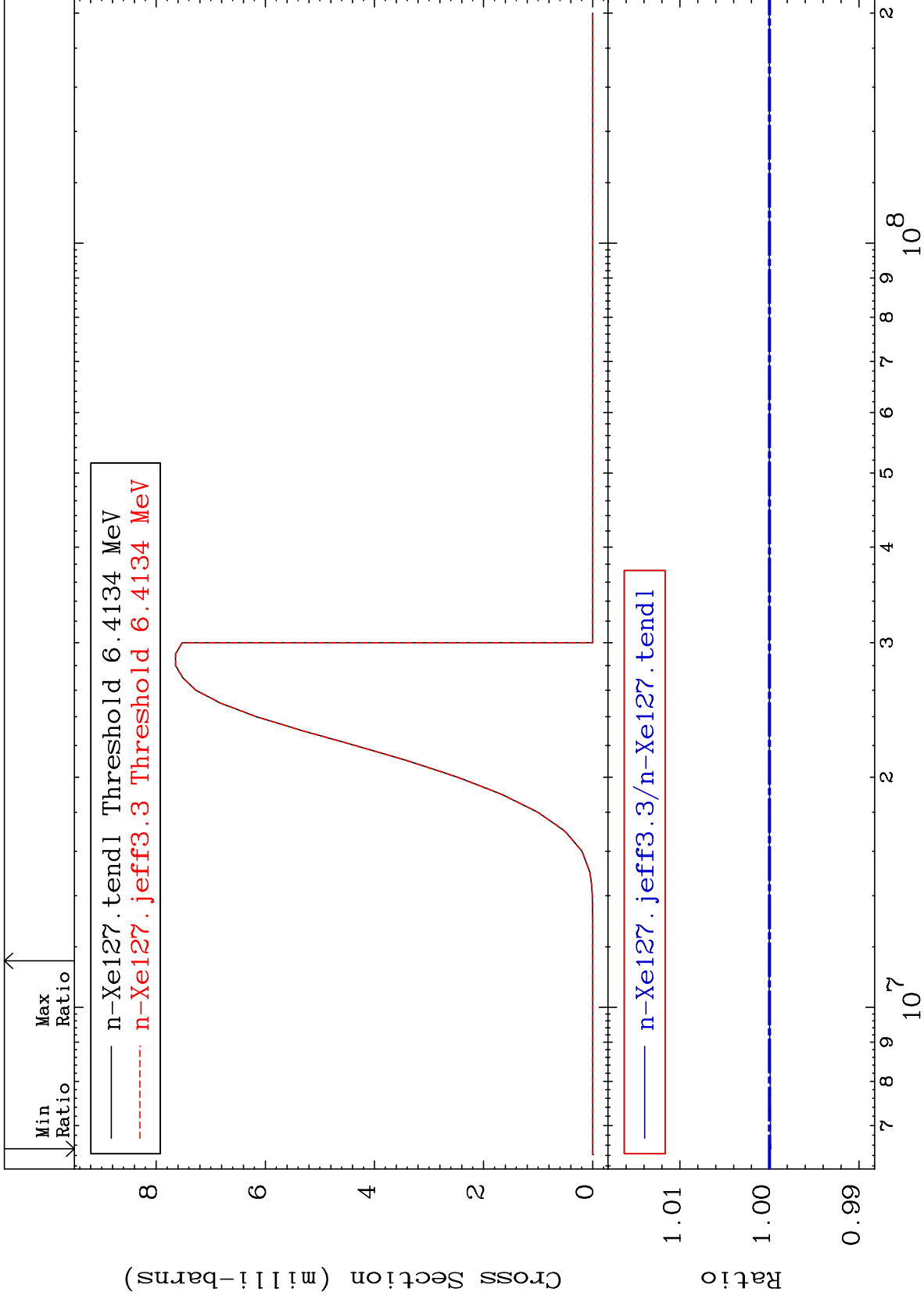
MAT 5434

(n, t)

54-Xe-127

Cross Section

-0.015 To 0.005 %



47

Incident Energy (eV)

54-Xe-127

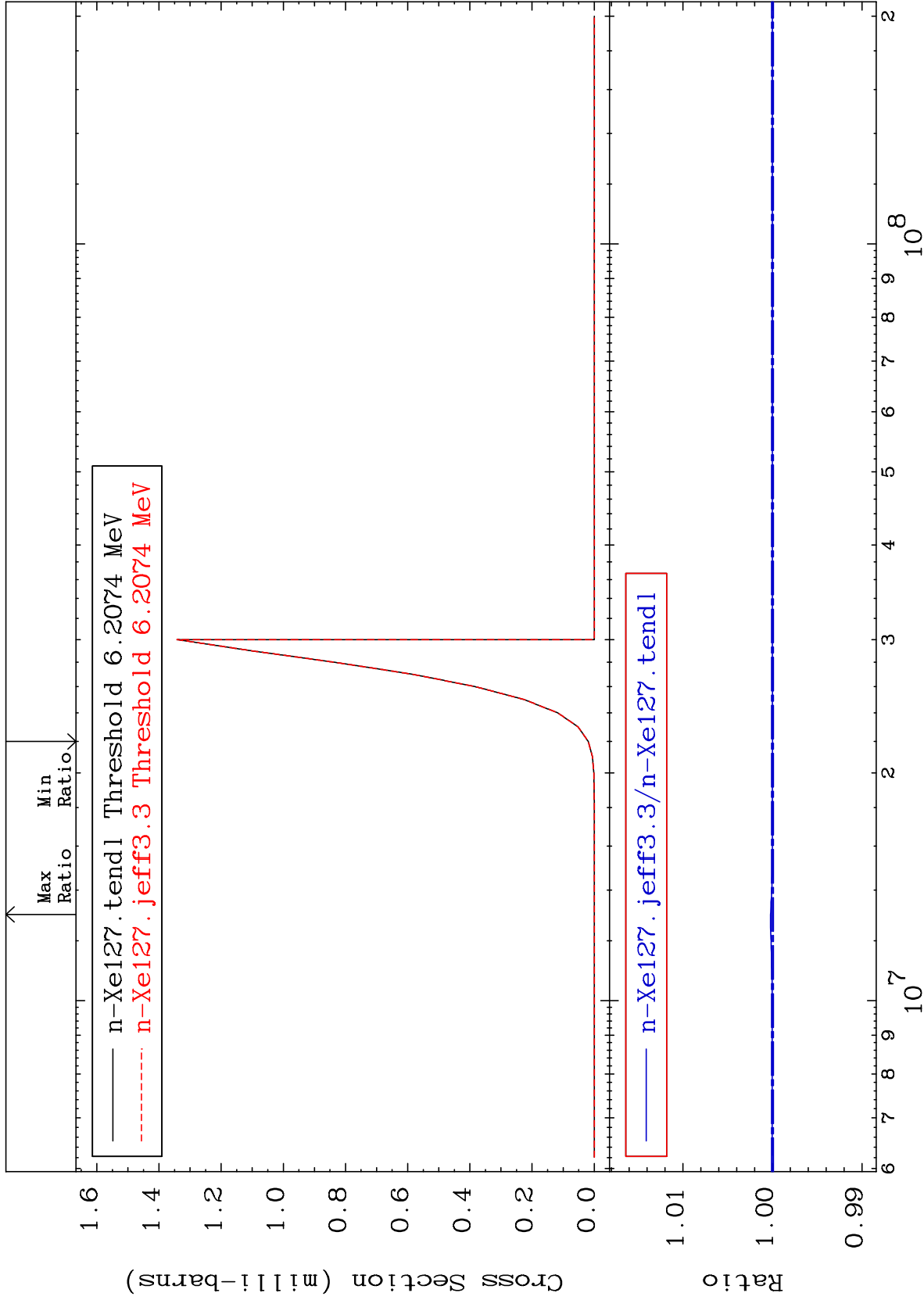
MAT 5434

(n, He-3)

54-Xe-127

Cross Section

0.000 To 0.023 %



48

Incident Energy (eV)

54-Xe-127

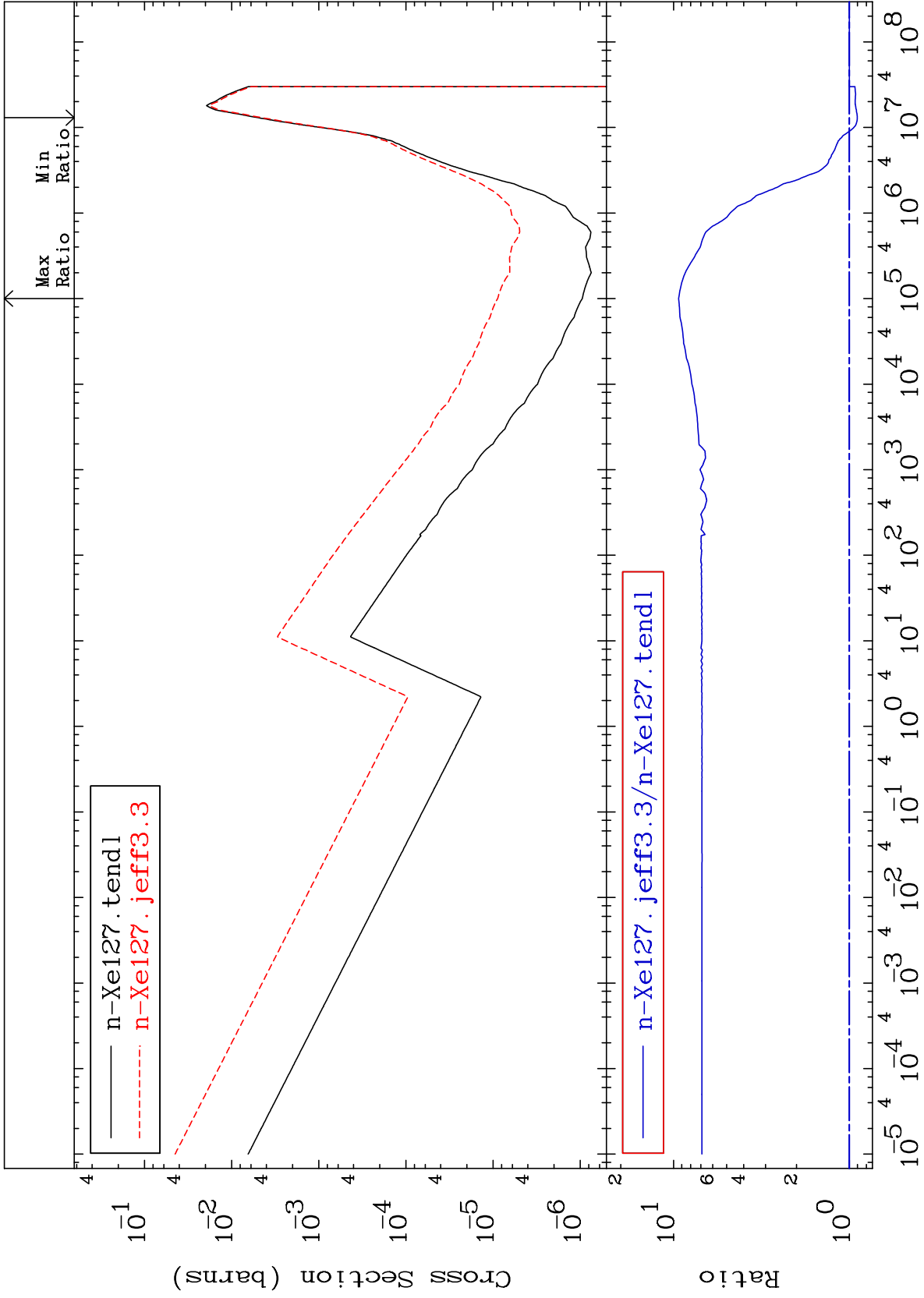
MAT 5434

(n, α)

54-Xe-127

Cross Section

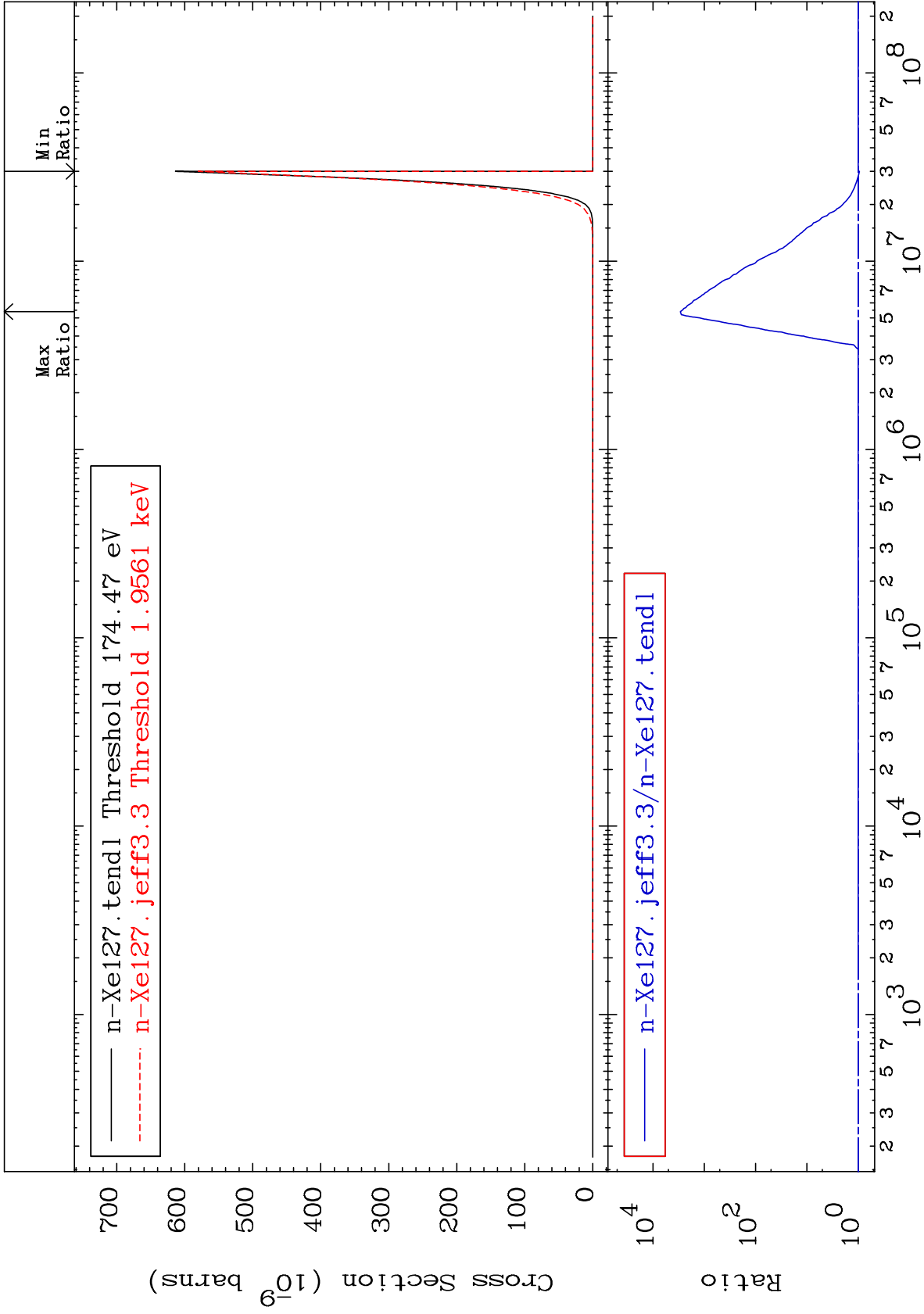
-9.753 To 837.0 %



Incident Energy (eV)

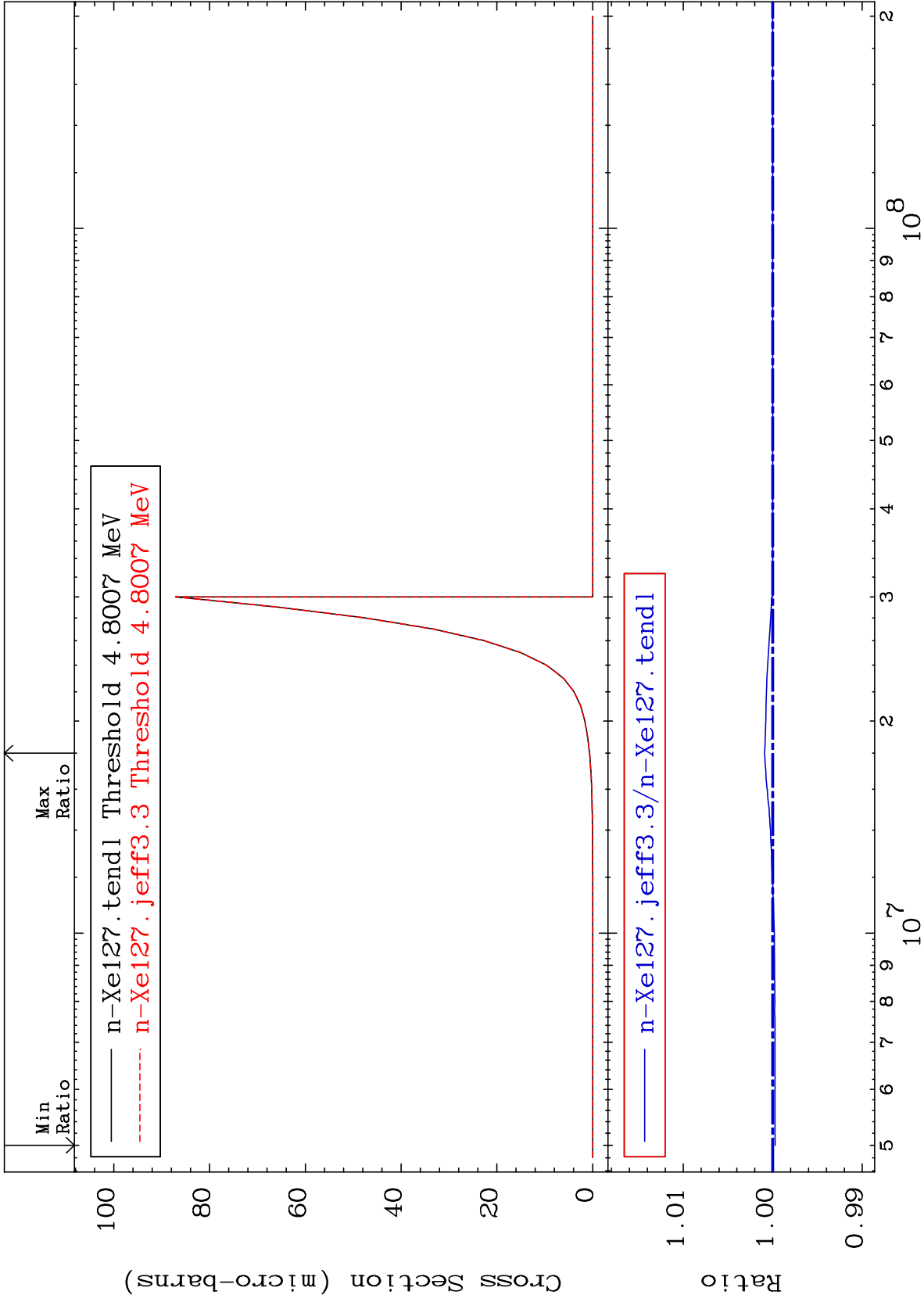
54-Xe-127

49



Cross Section

-0.027 To 0.090 %



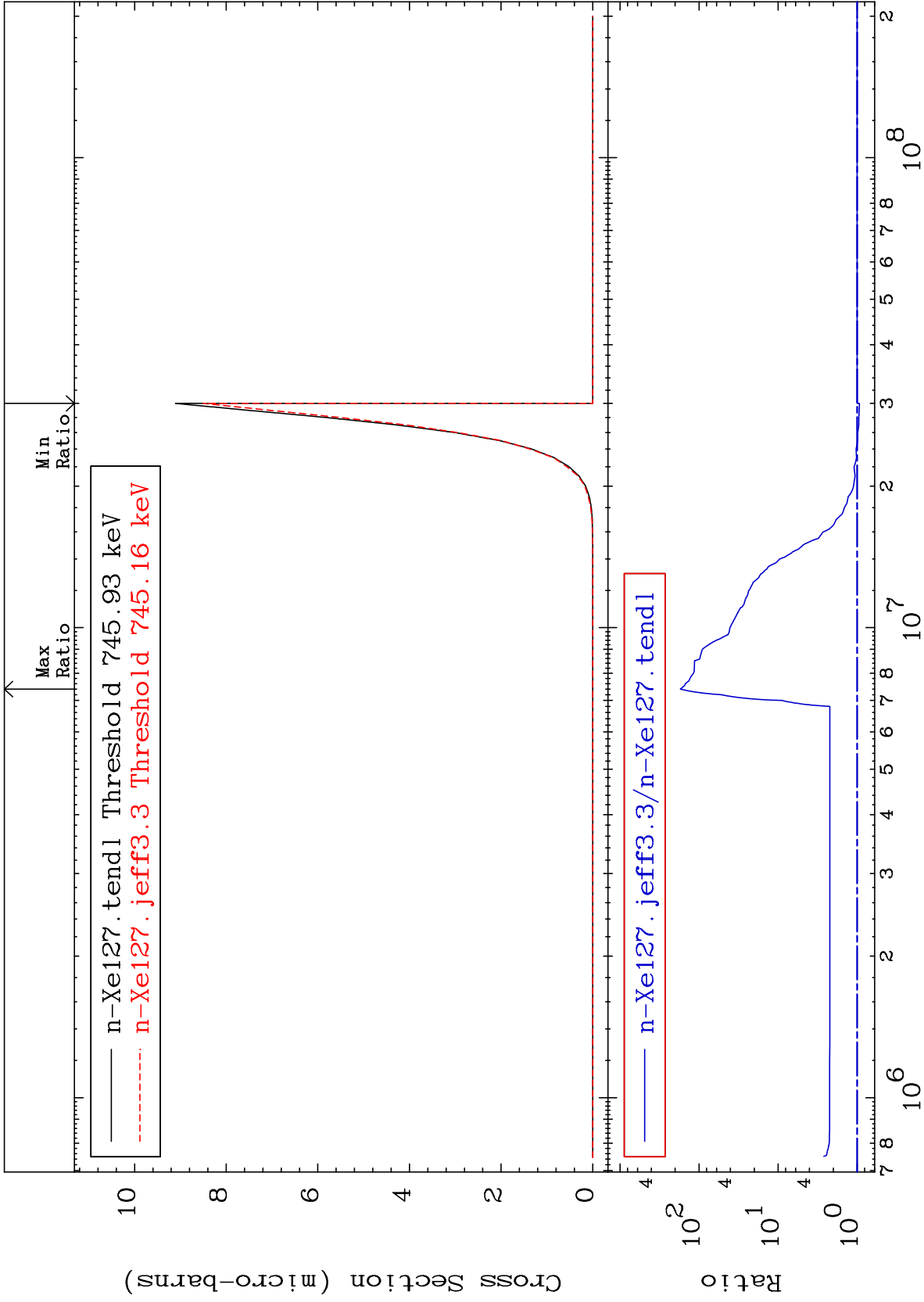
MAT 5434

(n, p) α

54-Xe-127

-6.666 To 9999. %

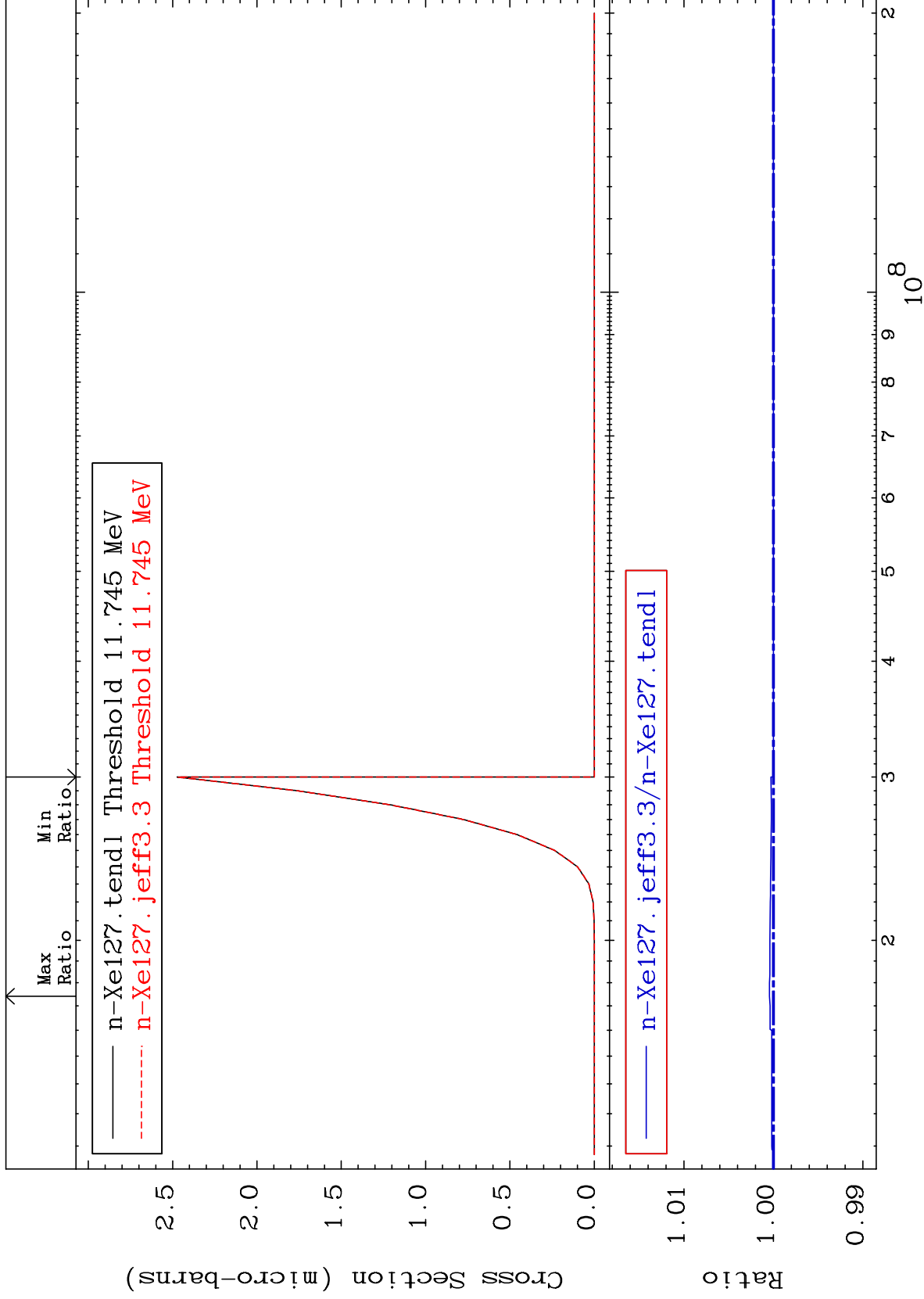
Cross Section



MAT 5434

(n,p) d
Cross Section

54-Xe-127
0.000 To 0.044 %



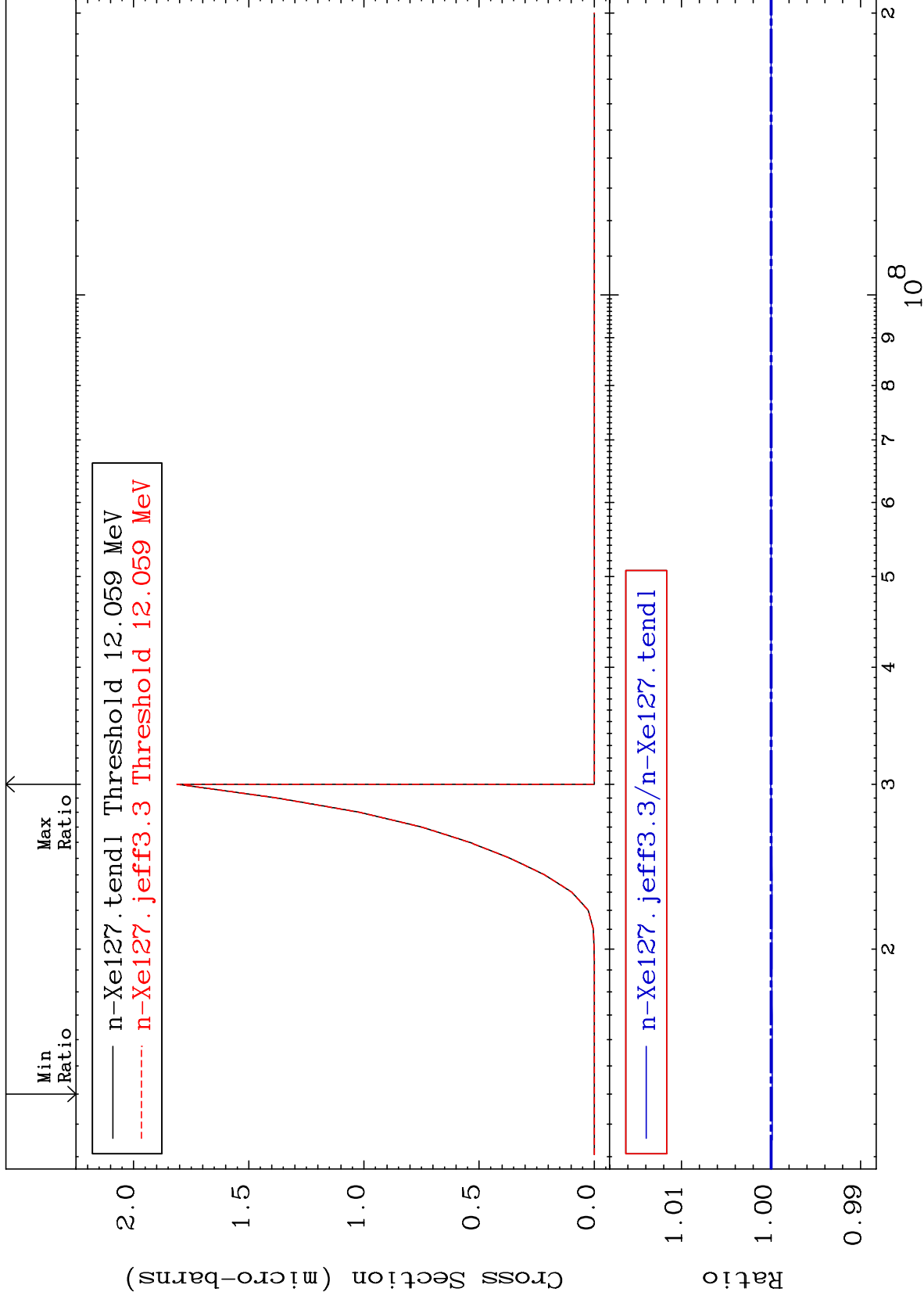
MAT 5434

(n,p) t

54-Xe-127

Cross Section

-0.012 To 0.004 %



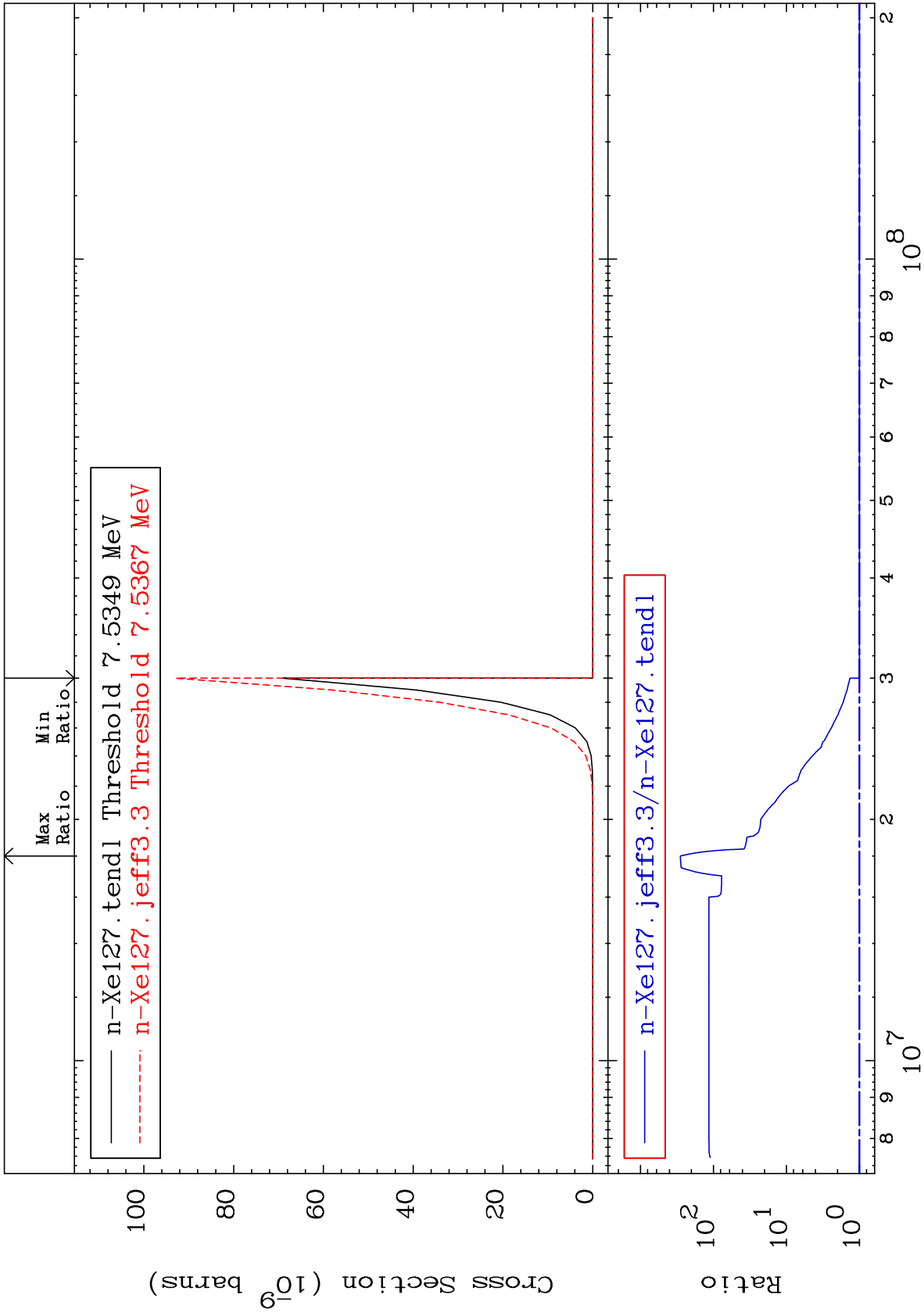
54

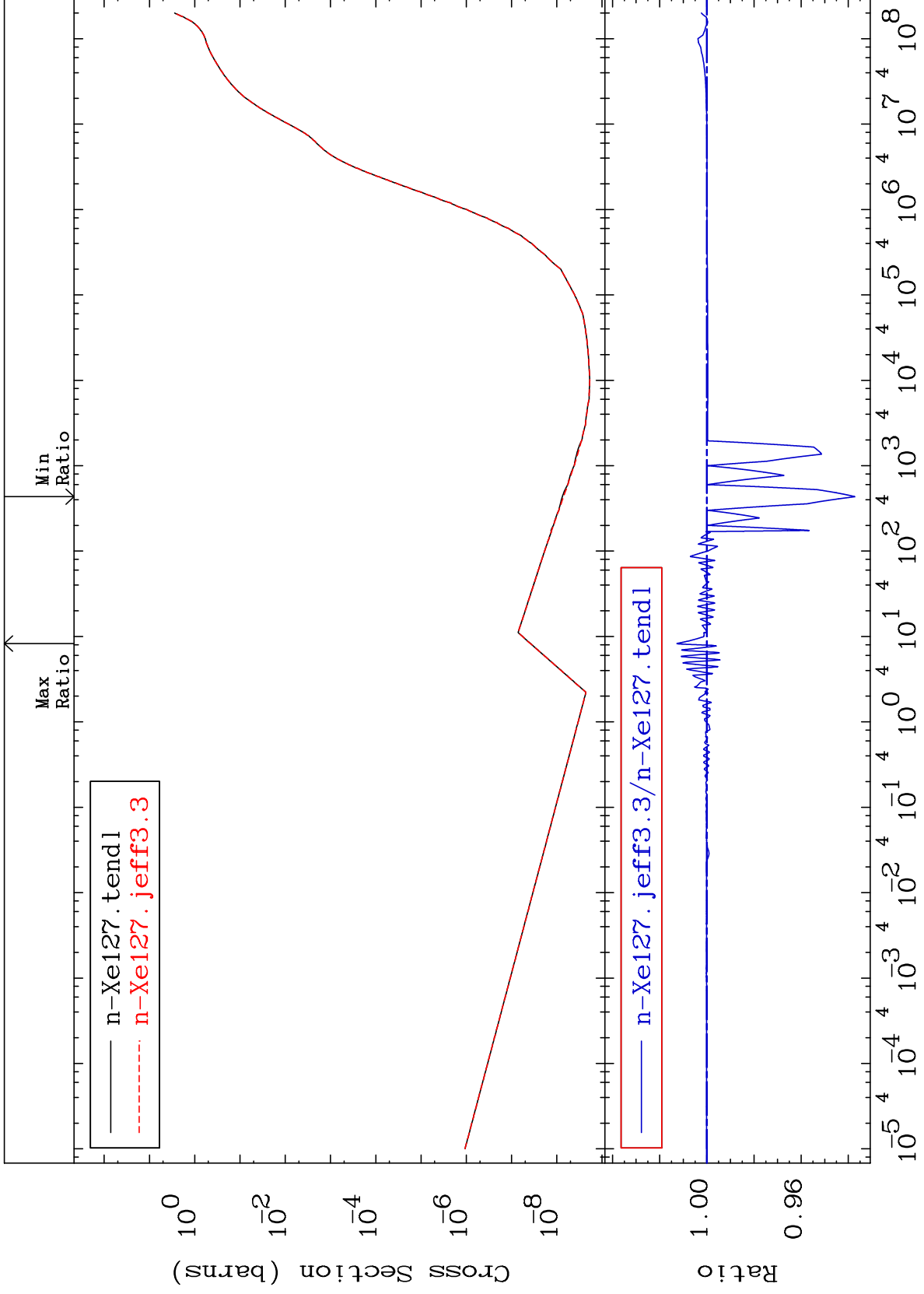
Incident Energy (eV)

54-Xe-127

MAT 5434

(n, d) α Cross Section
54-Xe-127 To 9999. %

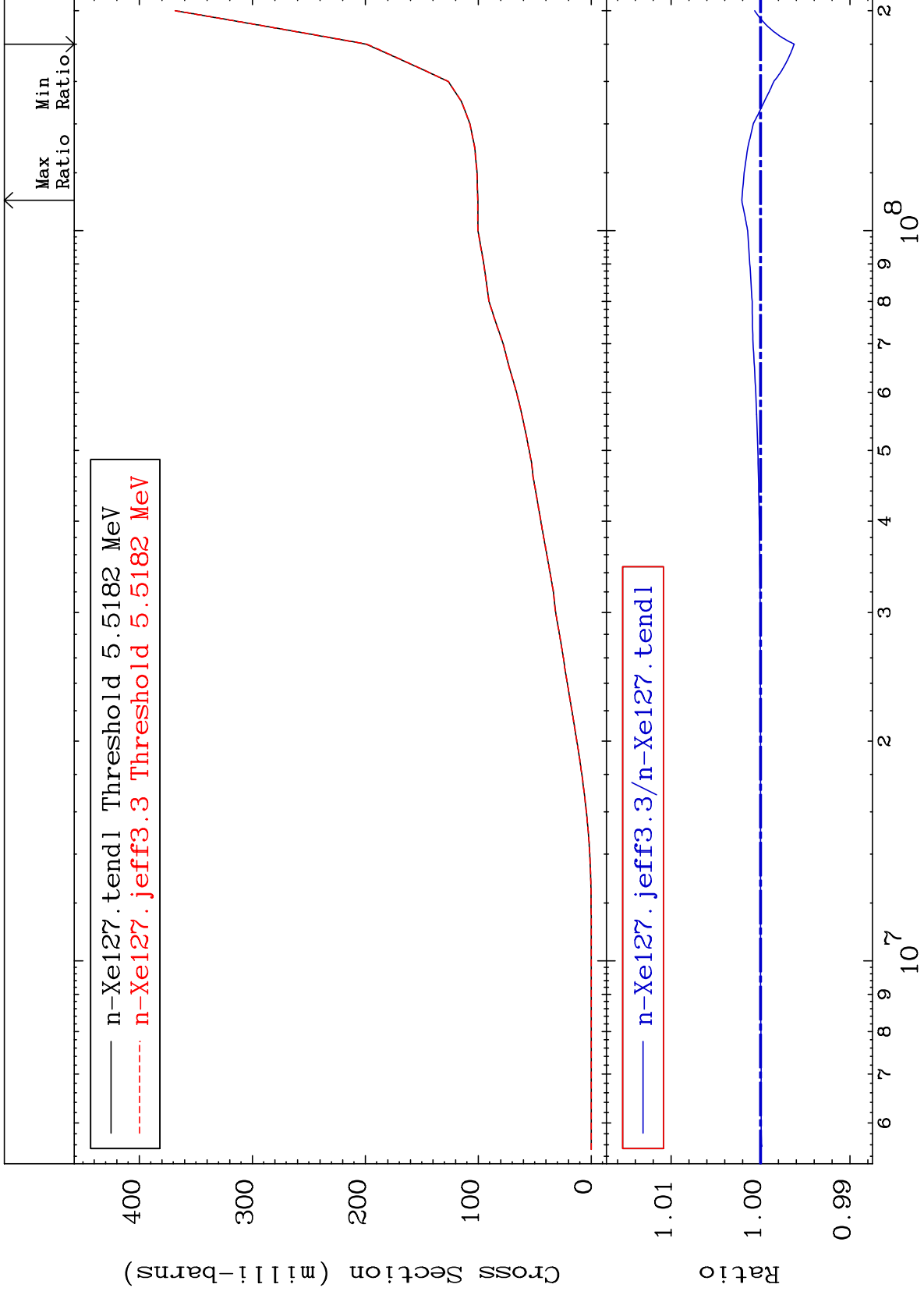




MAT 5434

Deuterium Production
Cross Section

54-Xe-127
-0.376 To 0.211 %



57

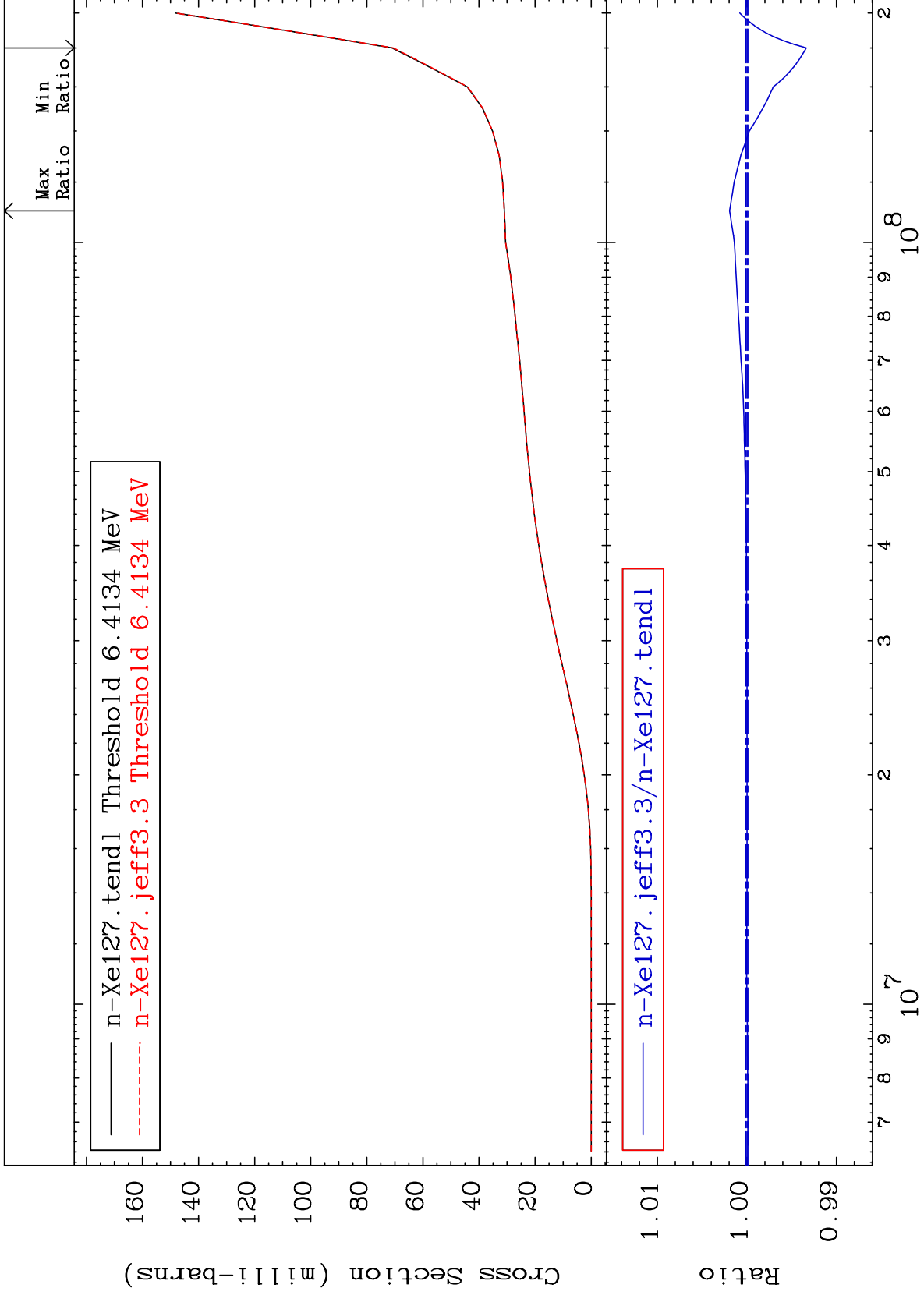
Incident Energy (eV)

54-Xe-127

MAT 5434

Tritium Production
Cross Section

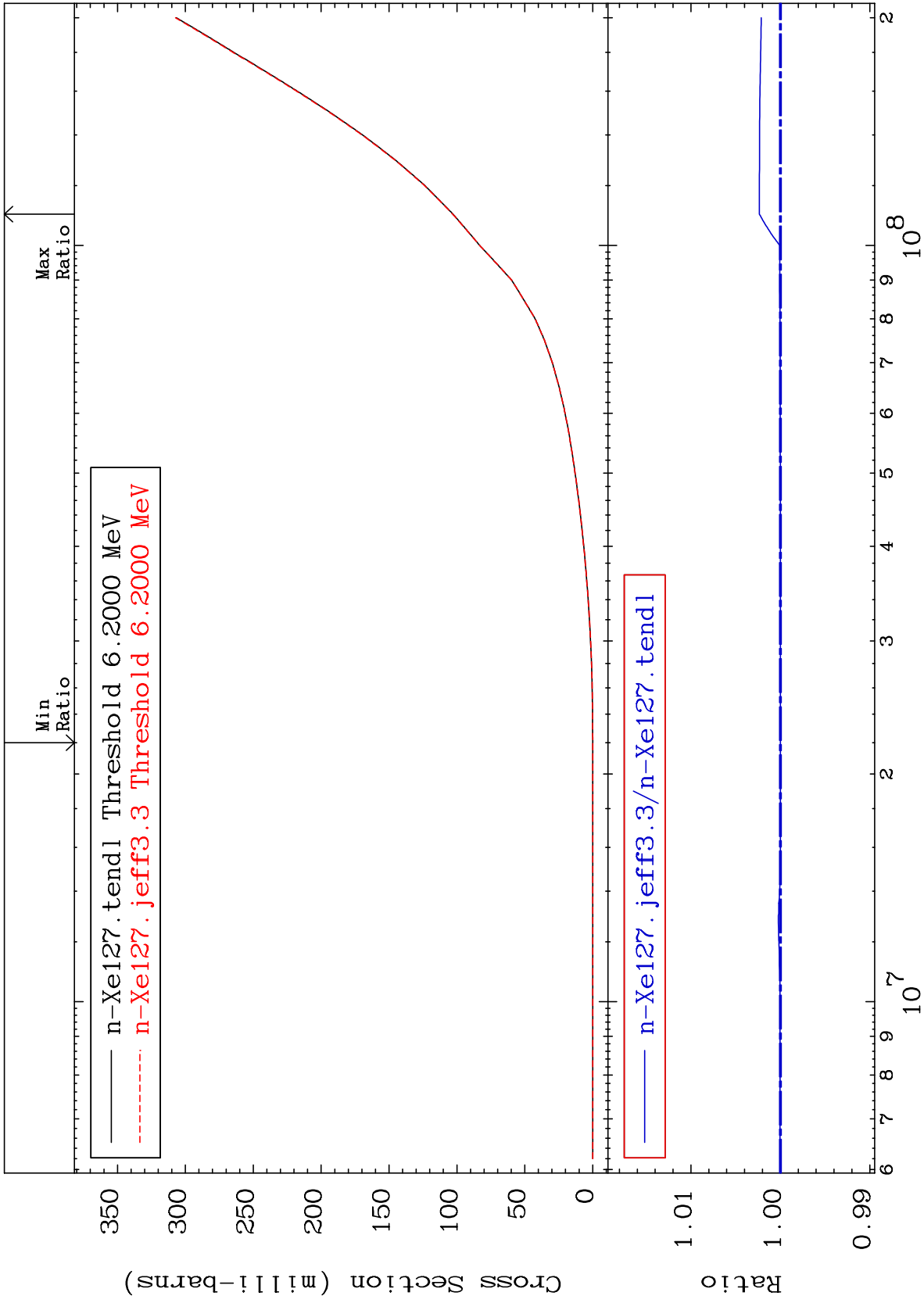
54-Xe-127
-0.663 To 0.194 %



MAT 5434

He-3 Production
Cross Section

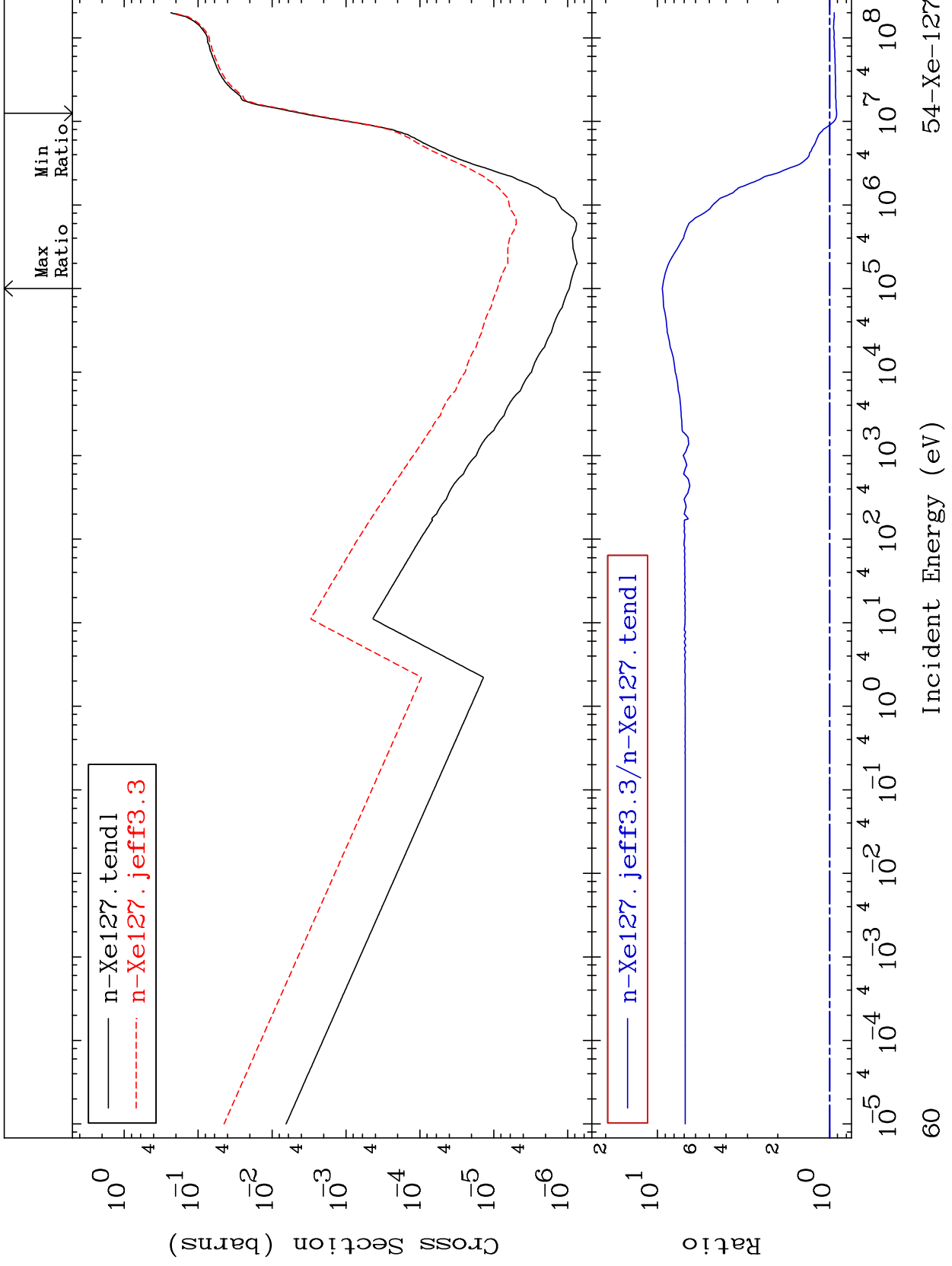
54-Xe-127
To 0.235 %



MAT 5434

He-4 Production
Cross Section

54-Xe-127
-8.927 To 837.0 %



54-Xe-127

Incident Energy (eV)

60

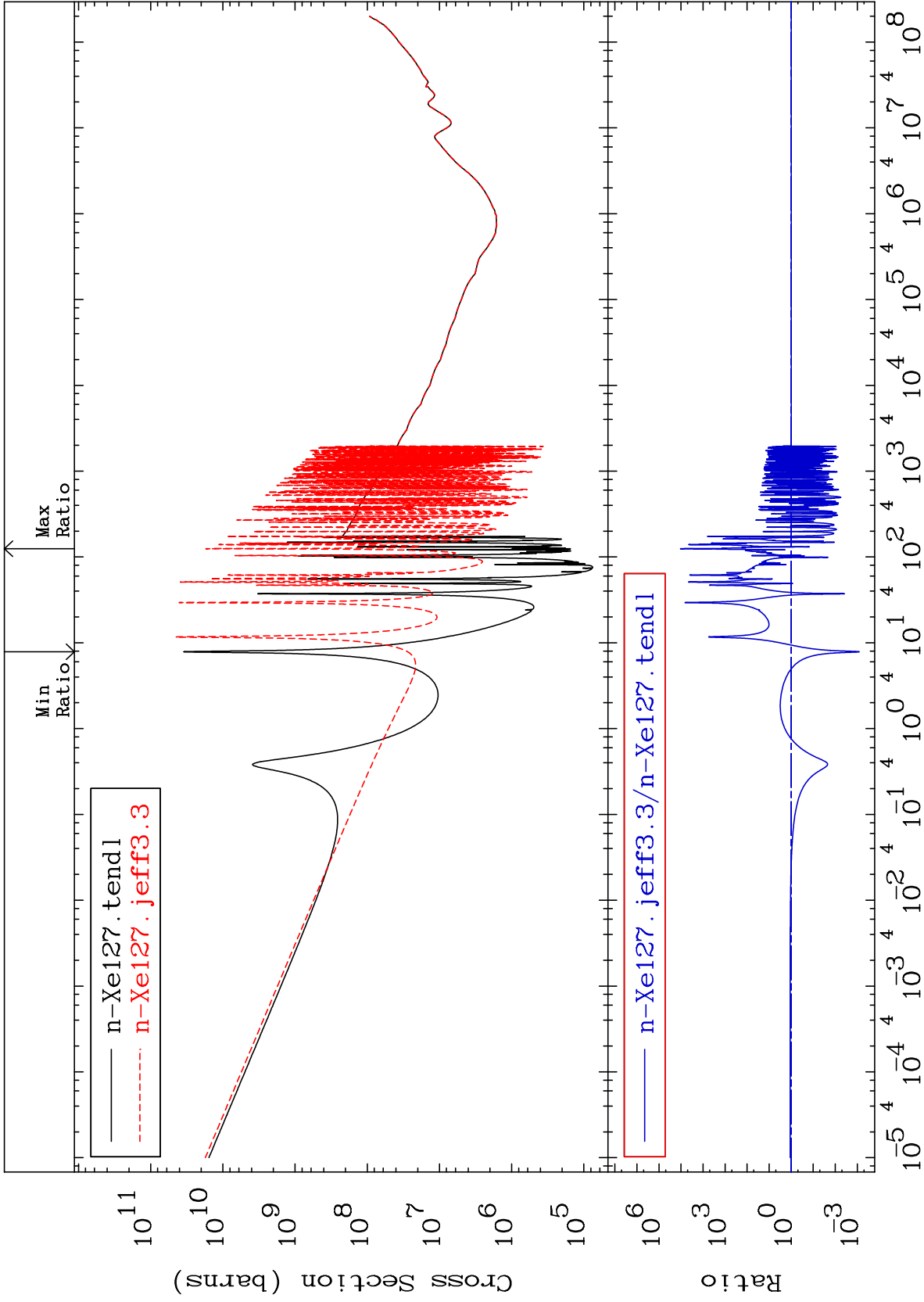
MAT 5434

Kerma total (eV-barns)

54-Xe-127

-99.92 To 9999. %

Cross Section



61

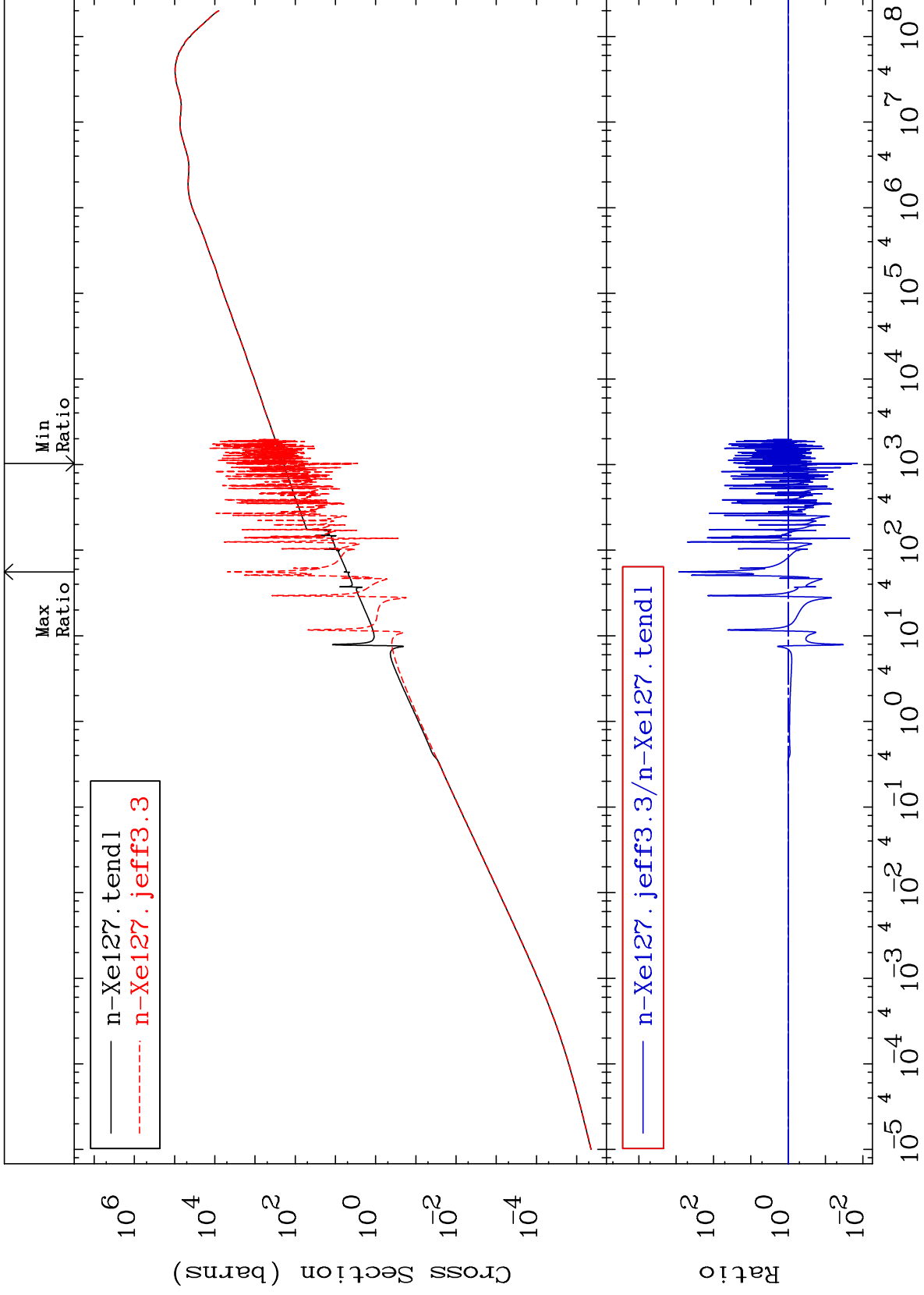
Incident Energy (eV)

54-Xe-127

MAT 5434

Kerma elastic
Cross Section

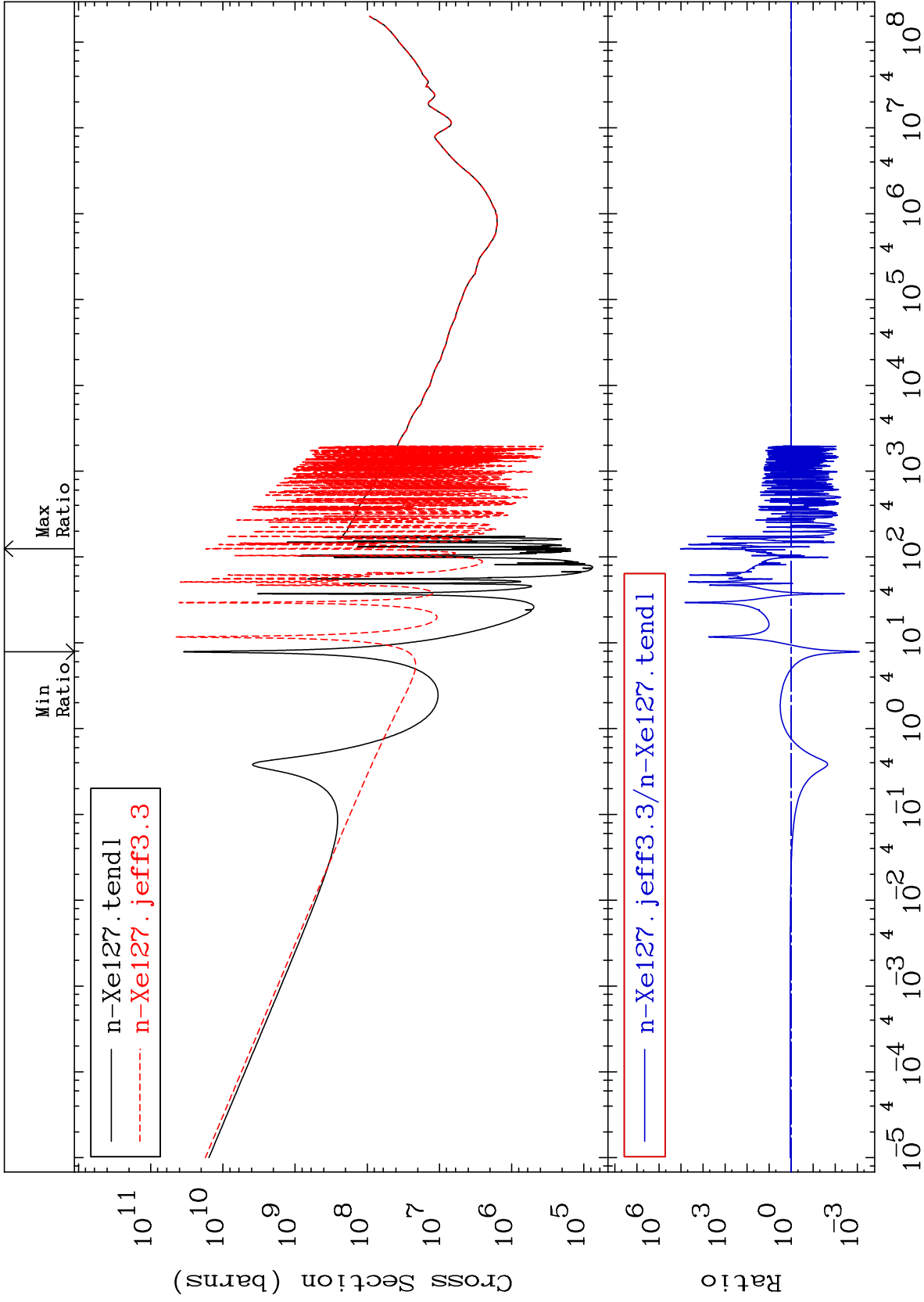
54-Xe-127
-98.59 To 9999. %



62

Incident Energy (eV)

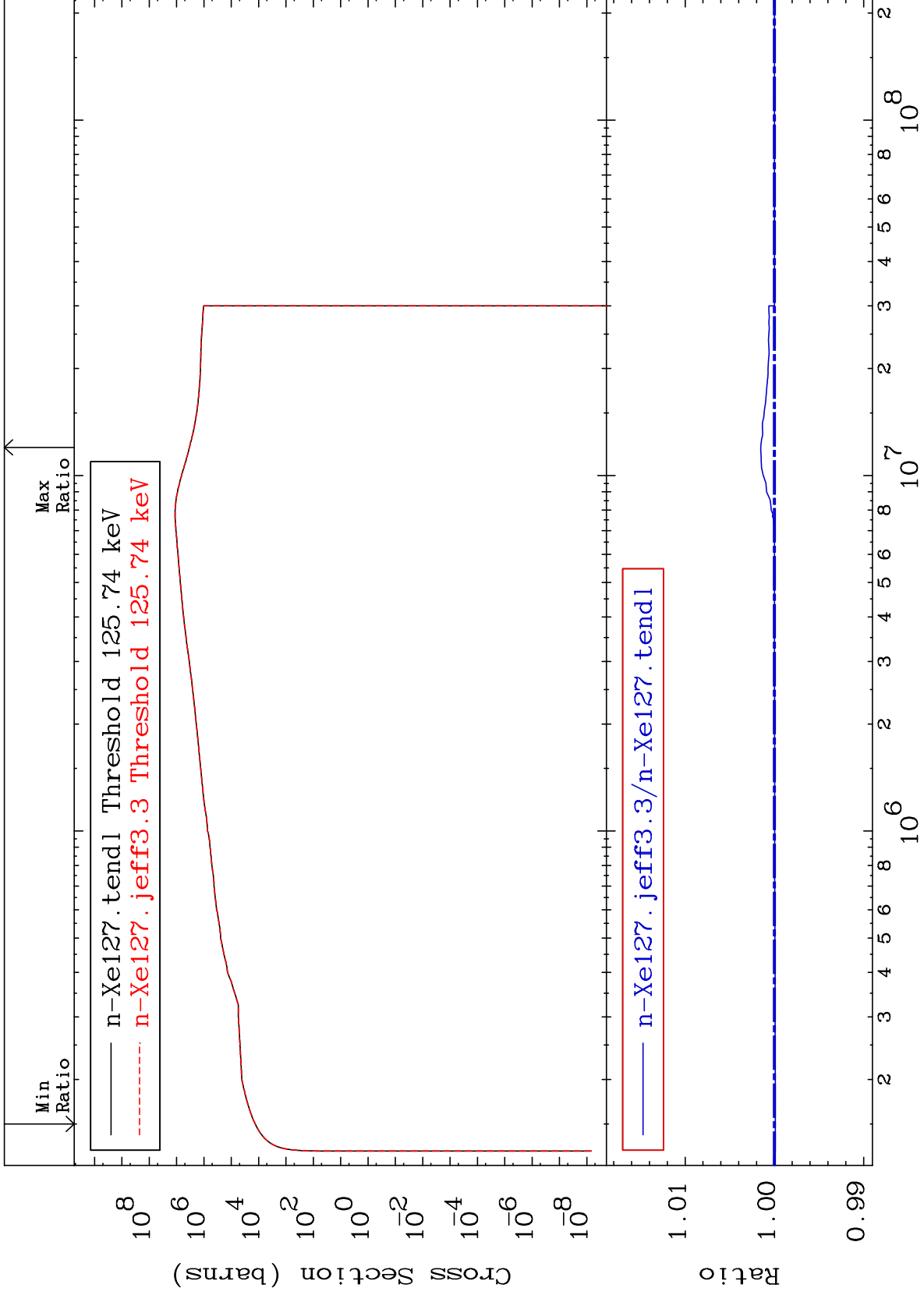
54-Xe-127



MAT 5434

Kerma inelastic (mt51-91)
Cross Section

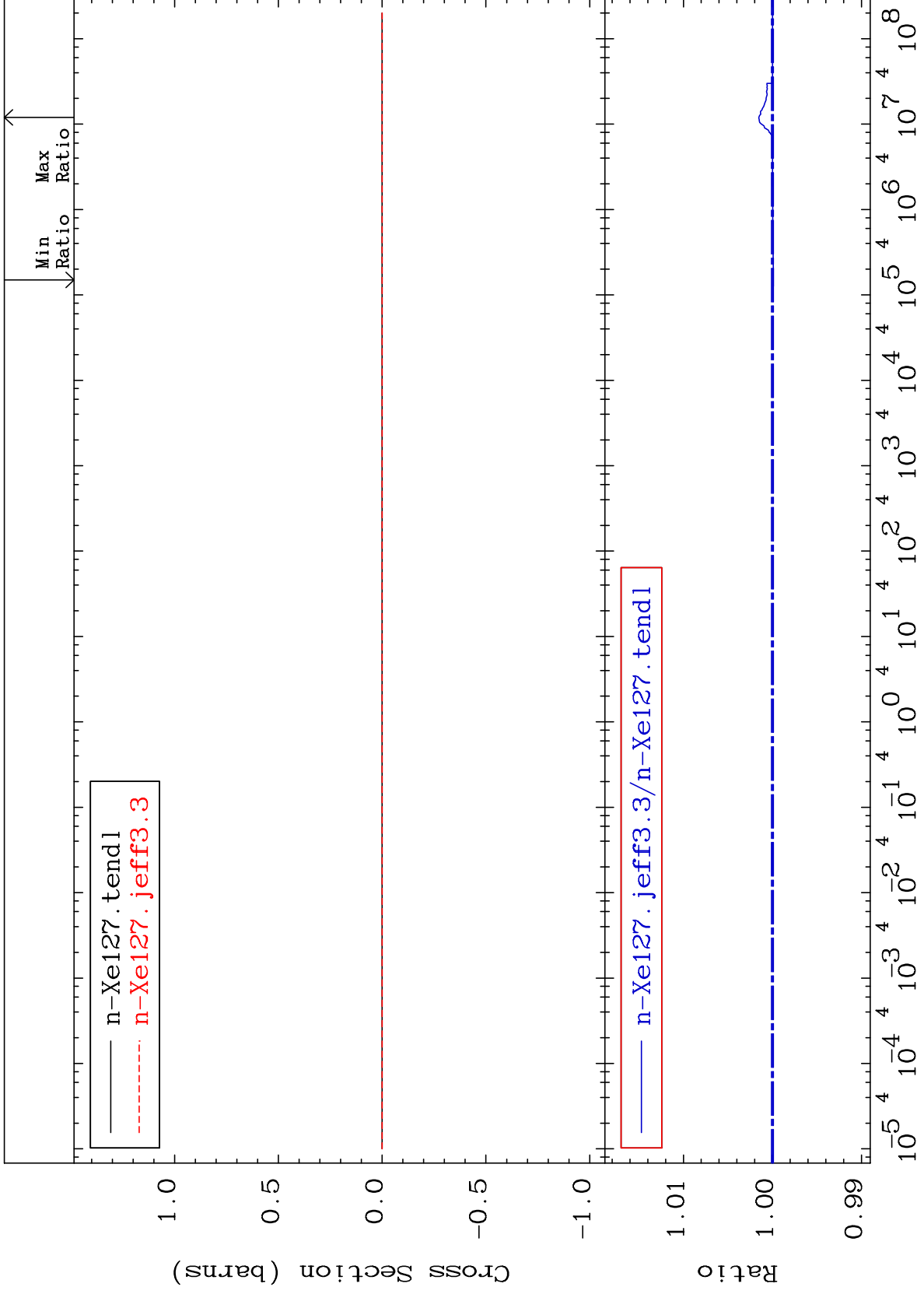
54-Xe-127
-0.009 To 0.154 %



MAT 5434

Kerma fission (mt18 or mt19-20-21-38)
Cross Section

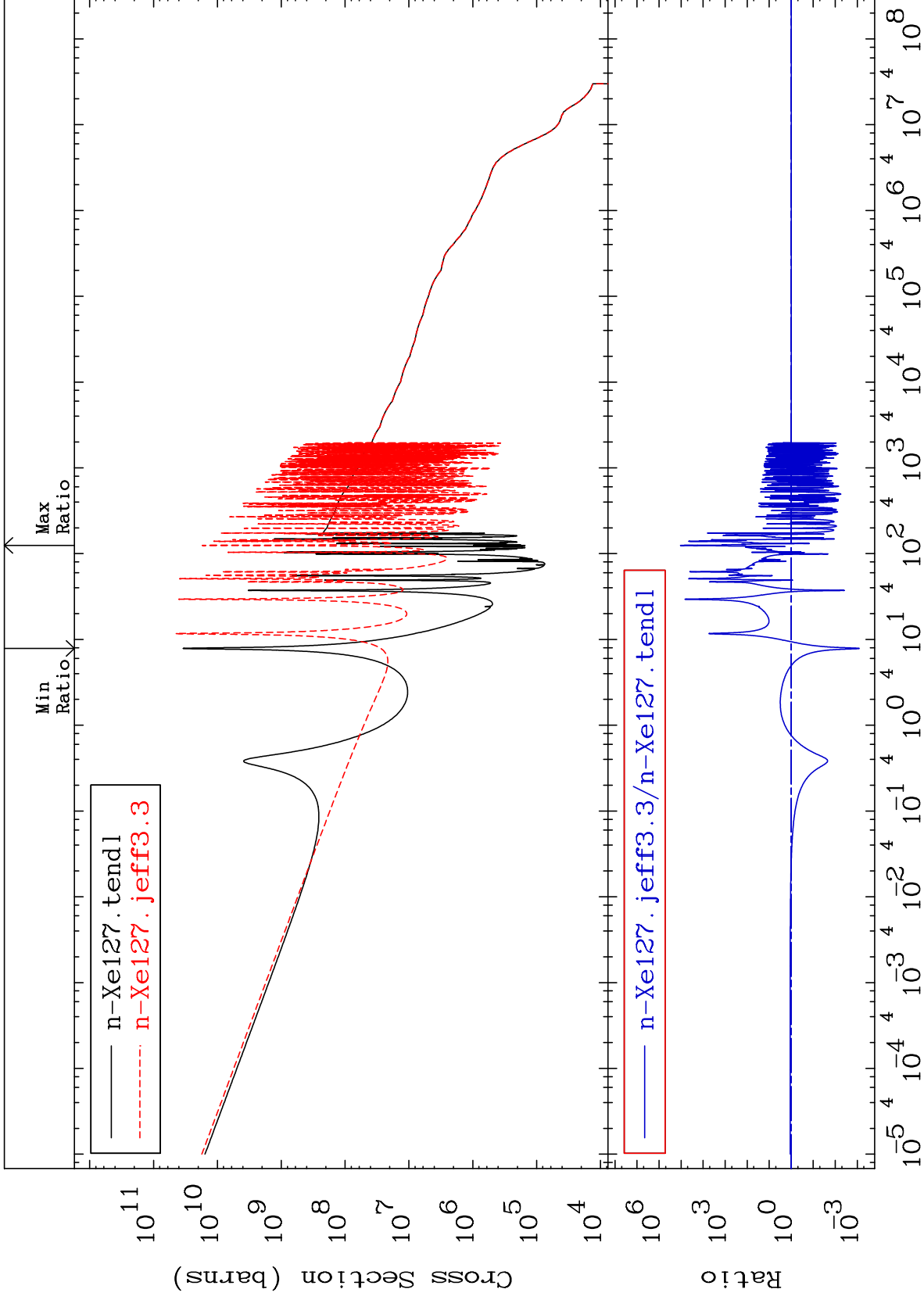
54-Xe-127
-0.009 To 0.154 %



65

Incident Energy (eV)

54-Xe-127

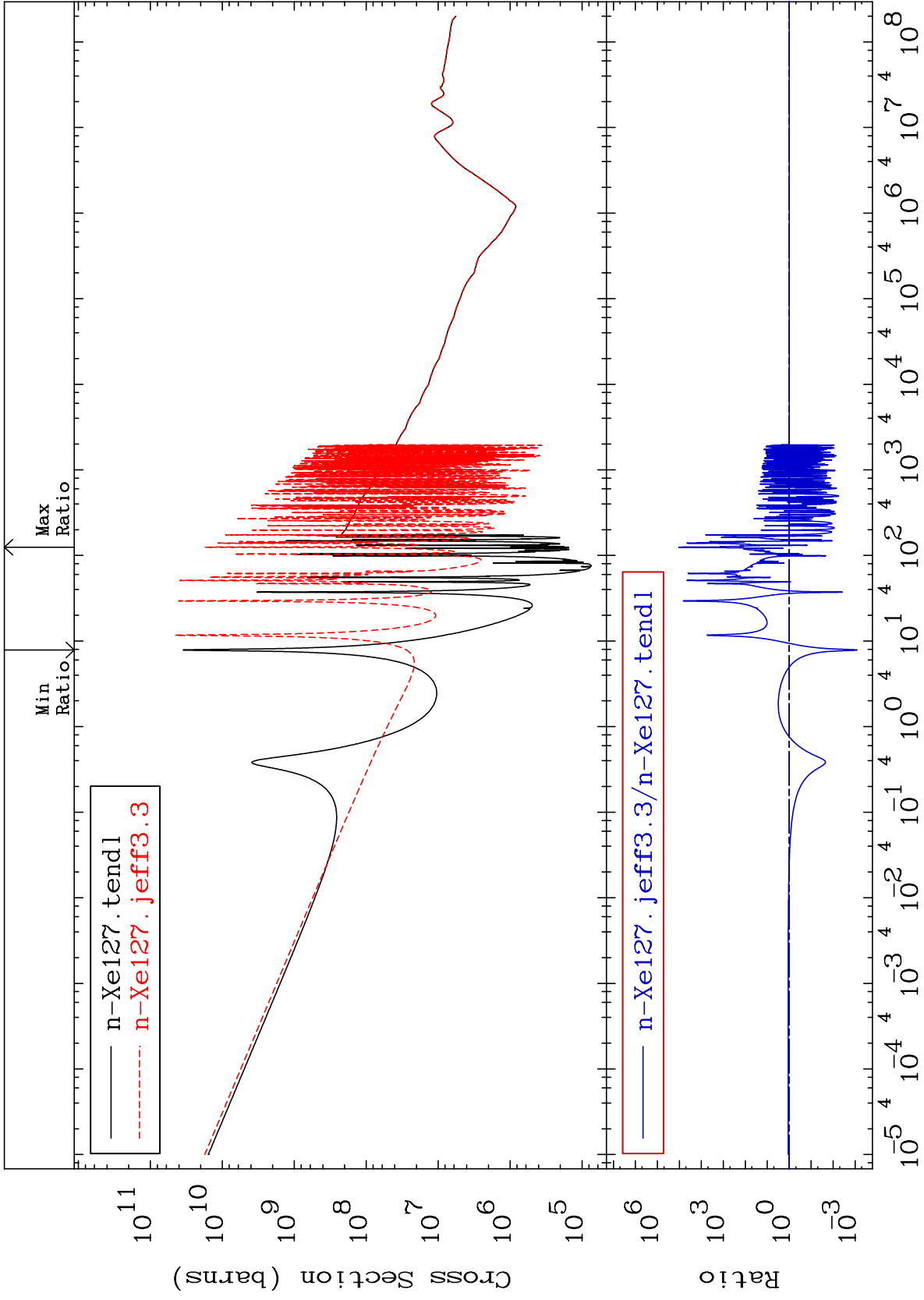


MAT 5434

Total photon (eV-barns)

54-Xe-127

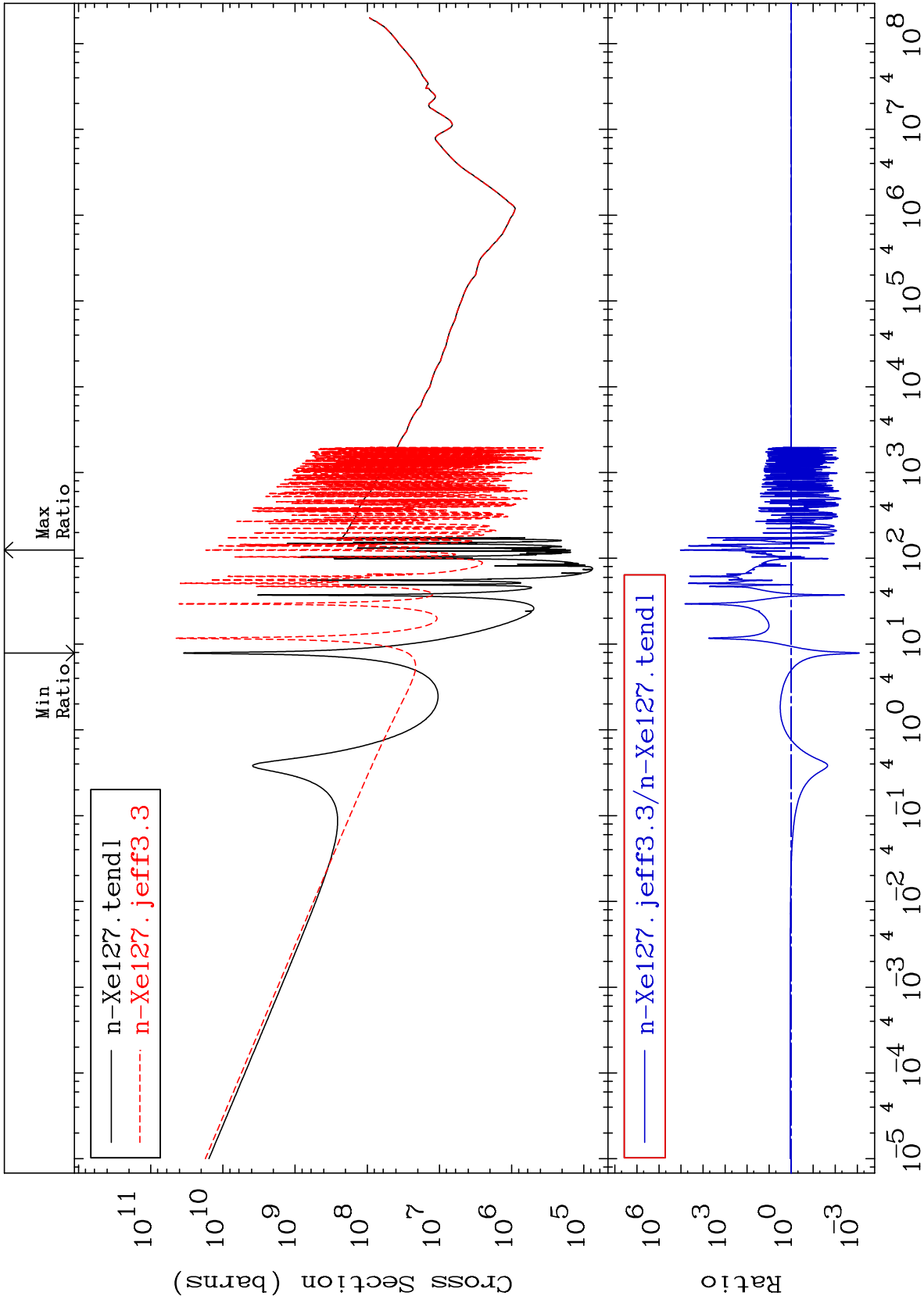
-99.92 To 9999. %

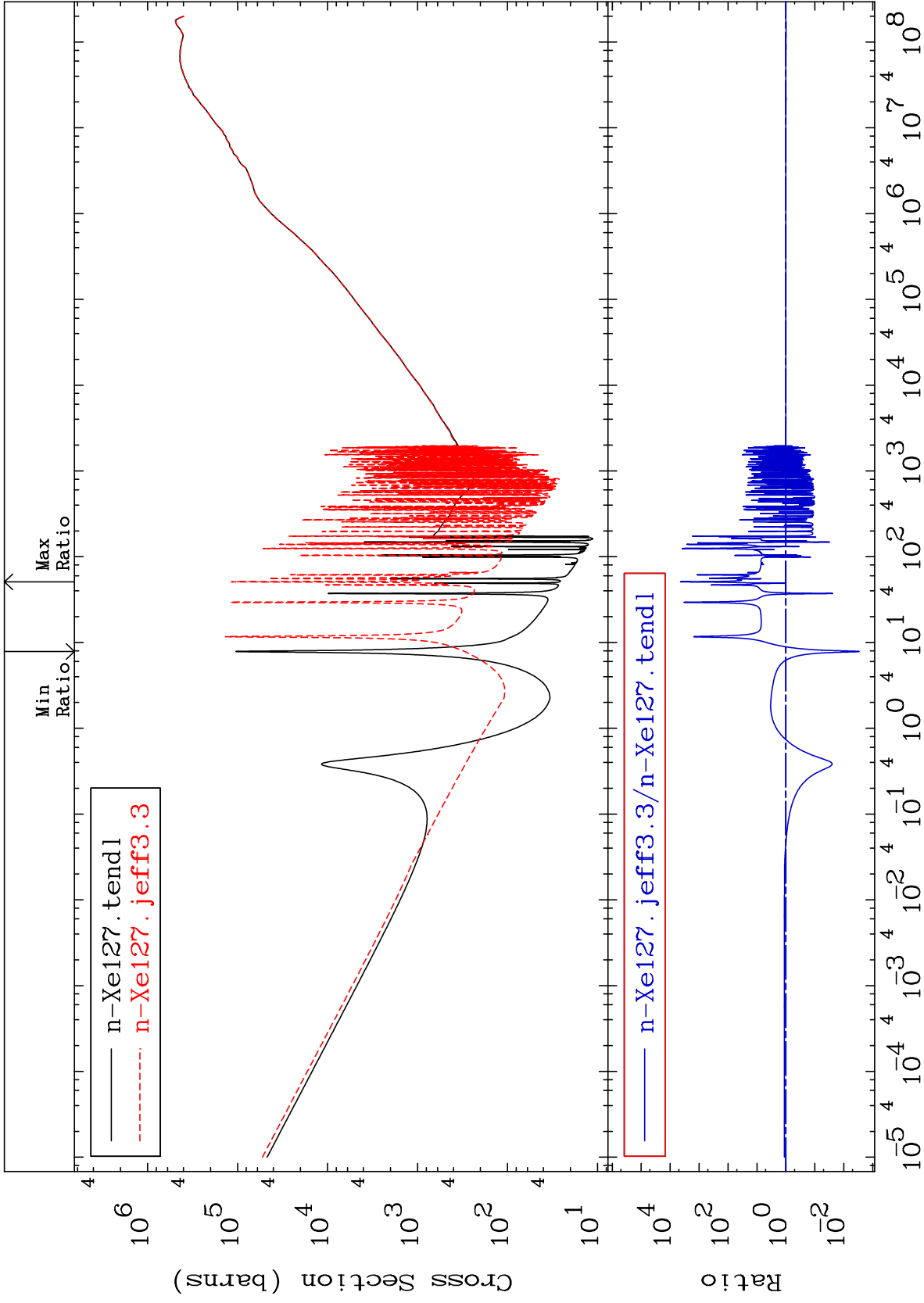


67

Incident Energy (eV)

54-Xe-127

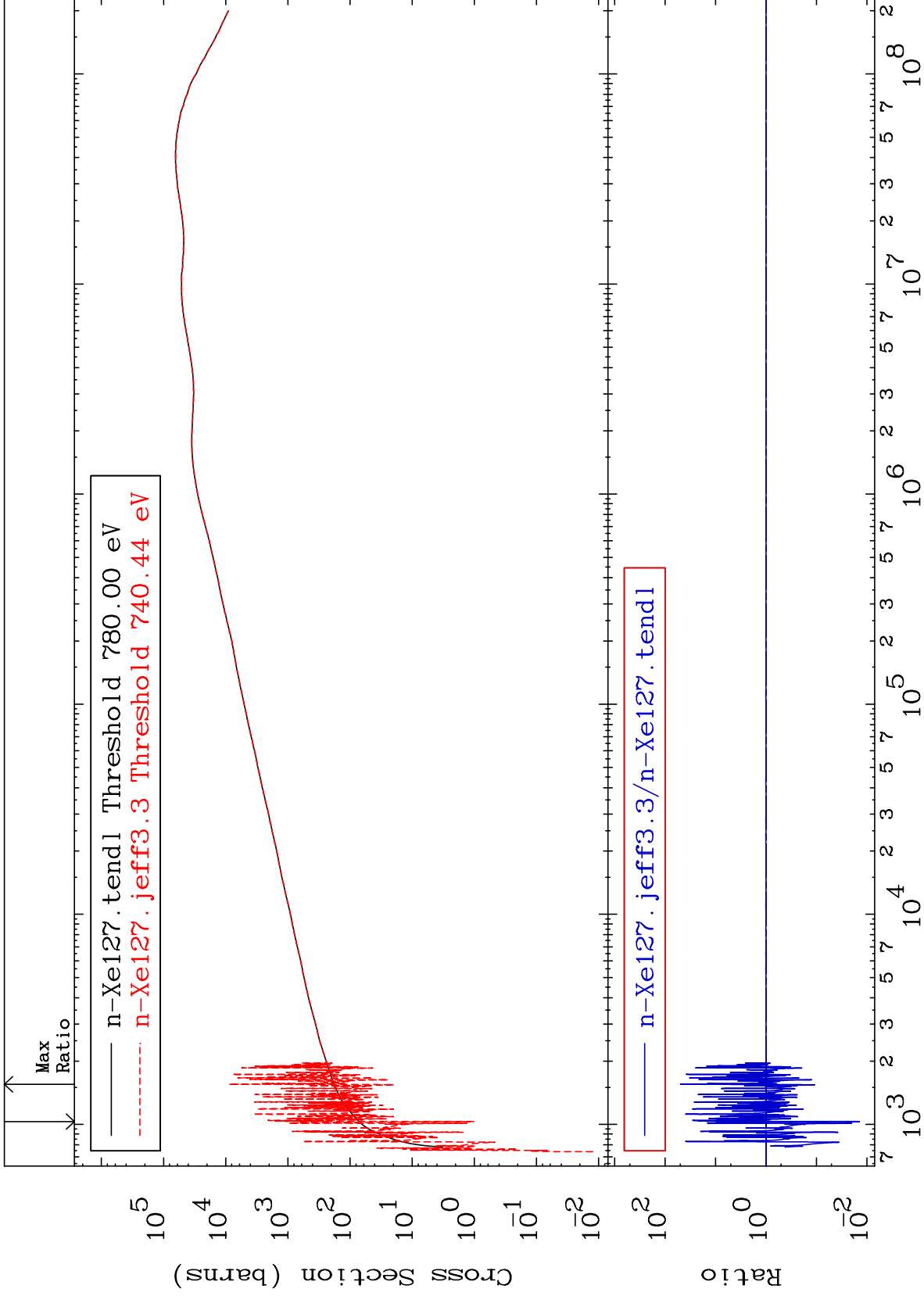




MAT 5434

Dpa elastic (mt2)
Cross Section

54-Xe-127
-98.60 To 4871. %



70

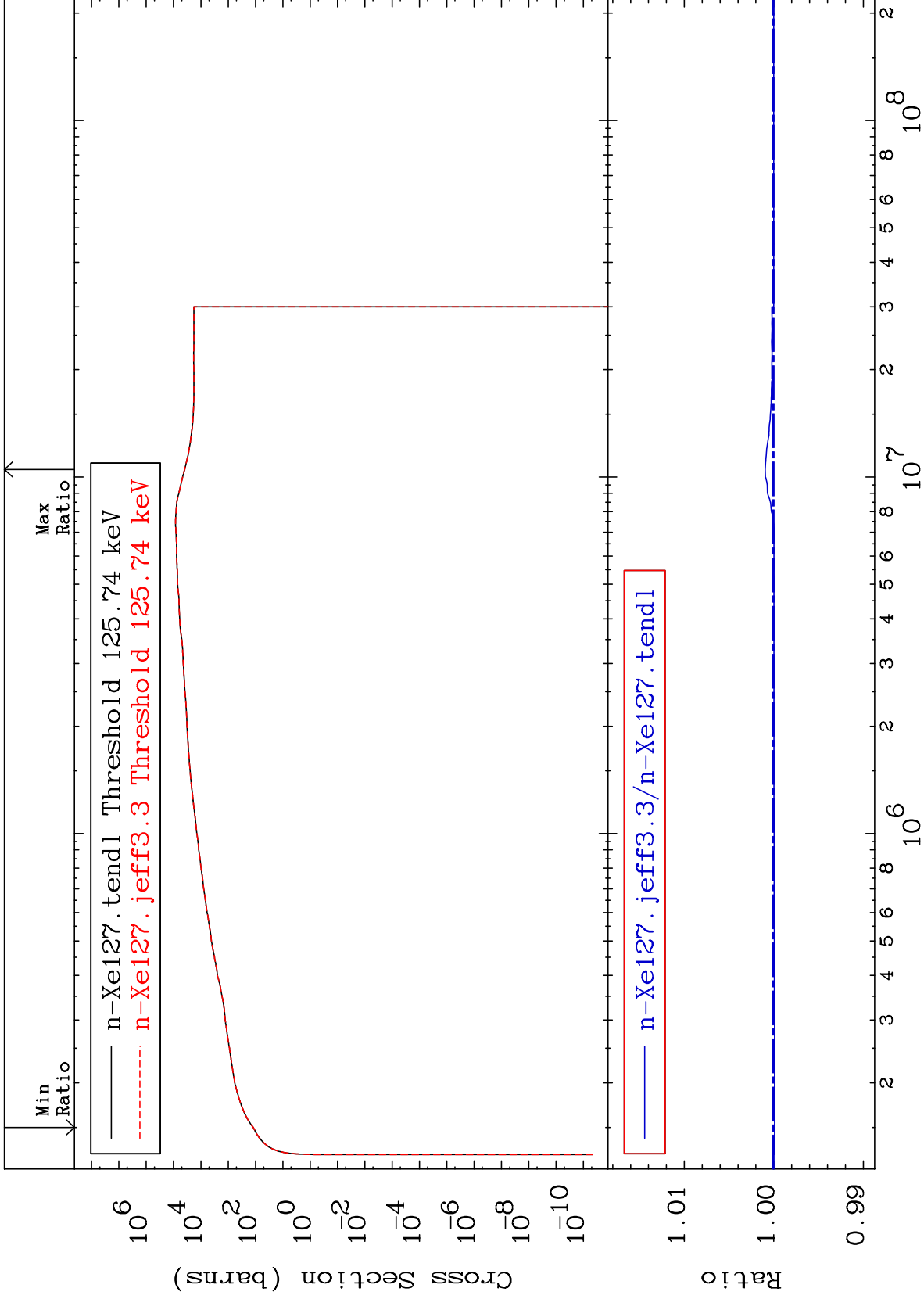
Incident Energy (eV)

54-Xe-127

MAT 5434

Dpa inelastic (mt51-91)
Cross Section

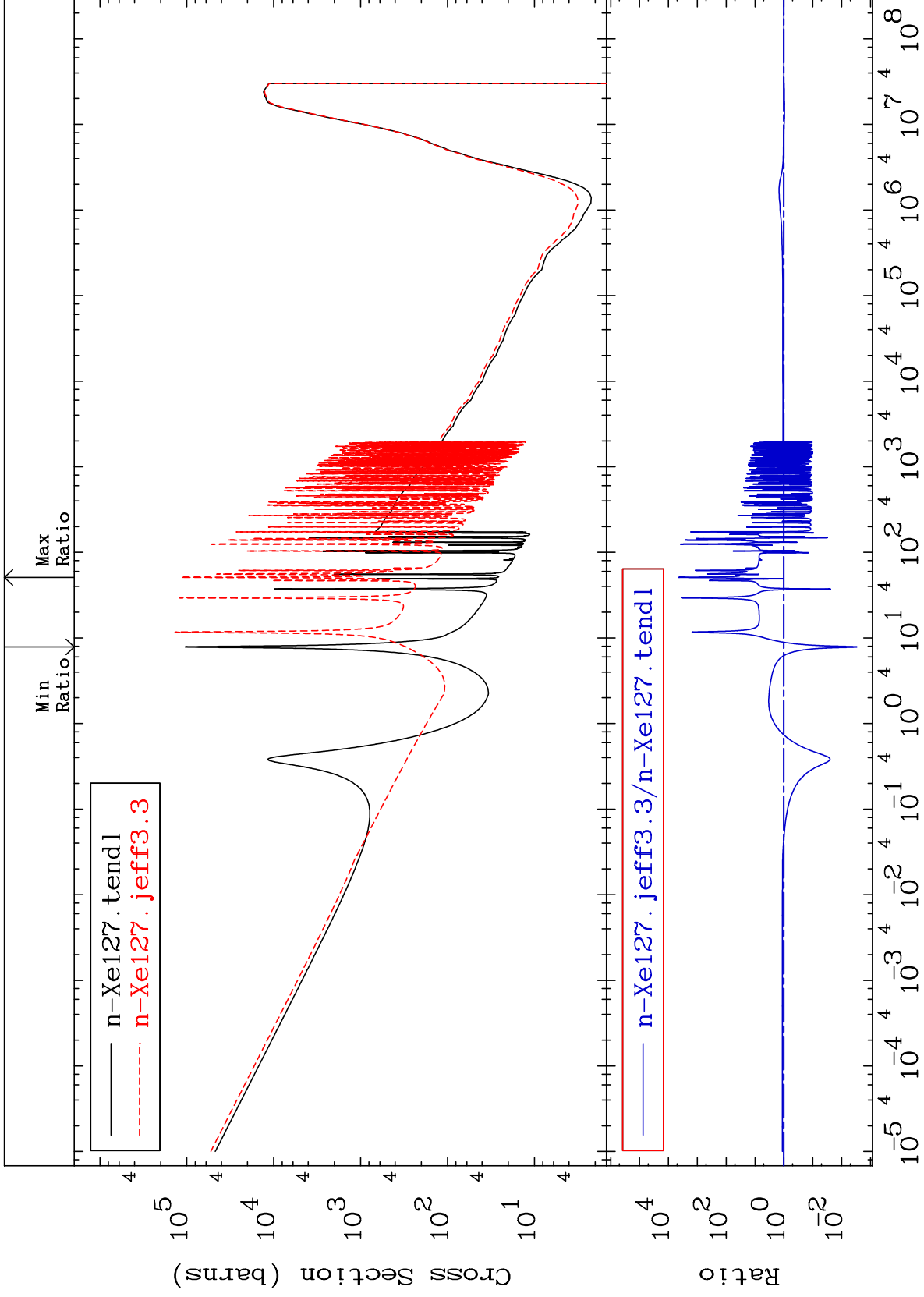
54-Xe-127
-0.009 To 0.096 %



71

Incident Energy (eV)

54-Xe-127

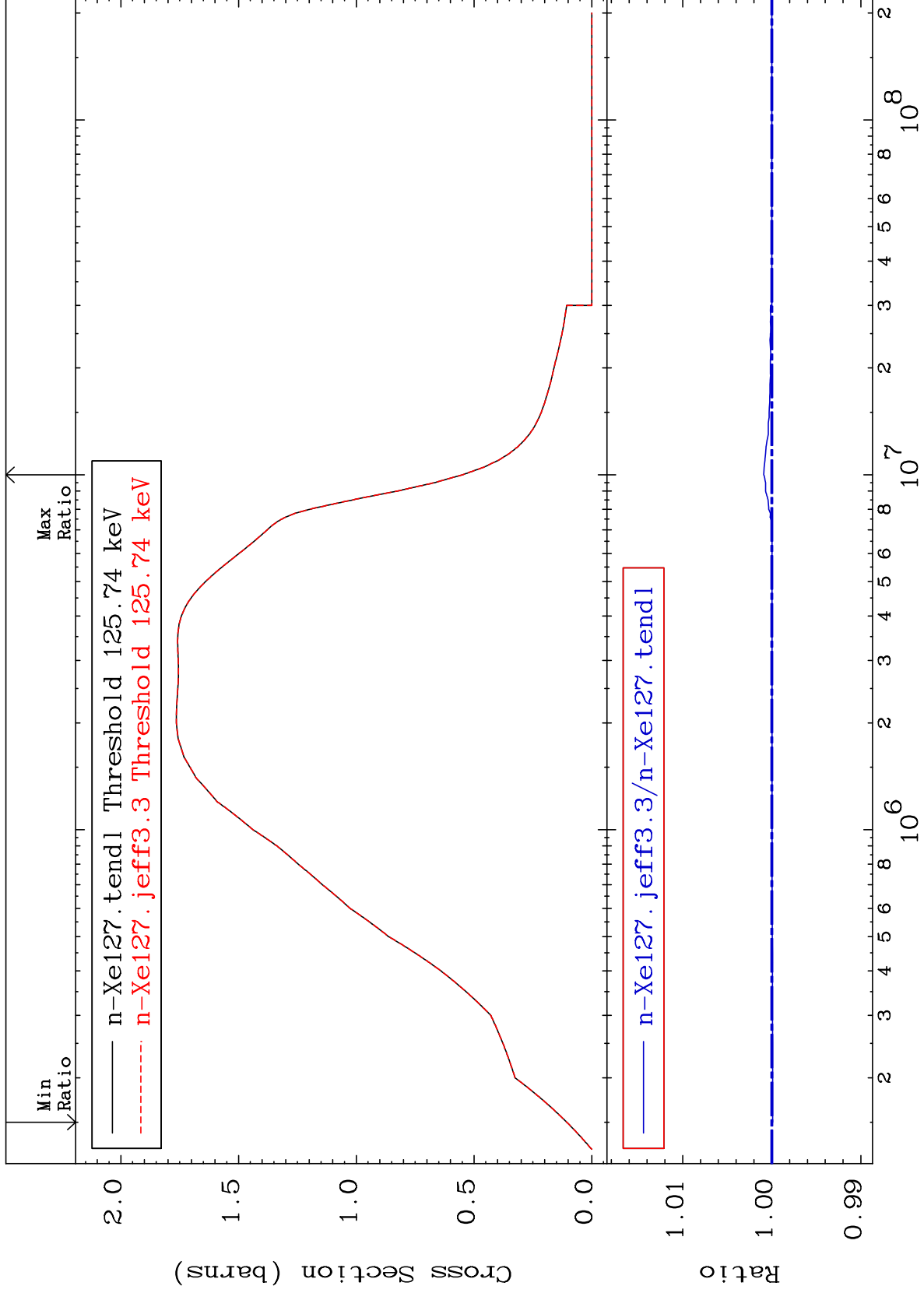


MAT 5434

Inelastic:54-Xe-127g

54-Xe-127

Radionuclide Production Cross Section -0.009 To 0.090 %



73

Incident Energy (eV)

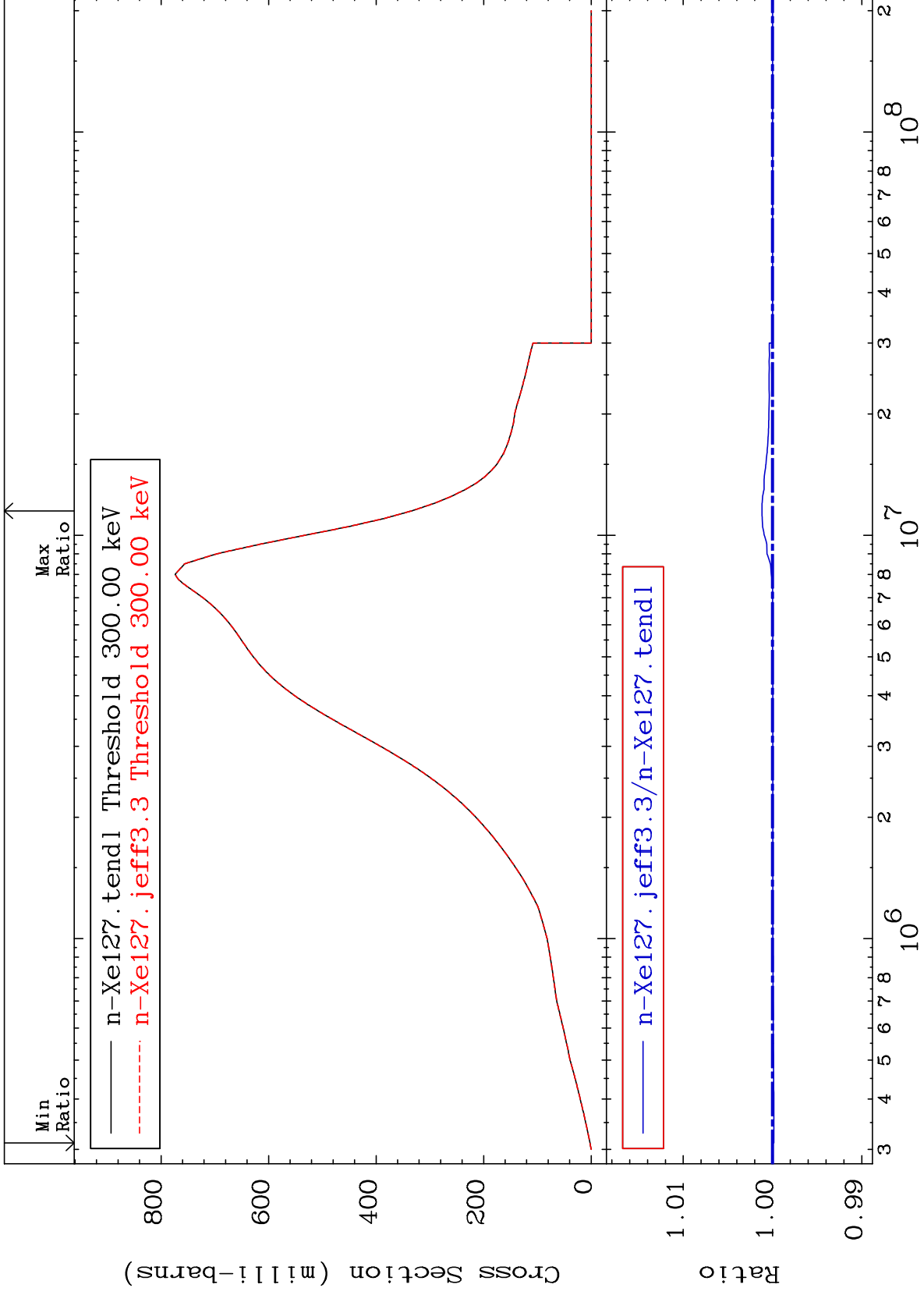
54-Xe-127

MAT 5434

Inelastic:54-Xe-127m2

54-Xe-127

Radionuclide Production Cross Section -0.016 To 0.118 %



74

Incident Energy (eV)

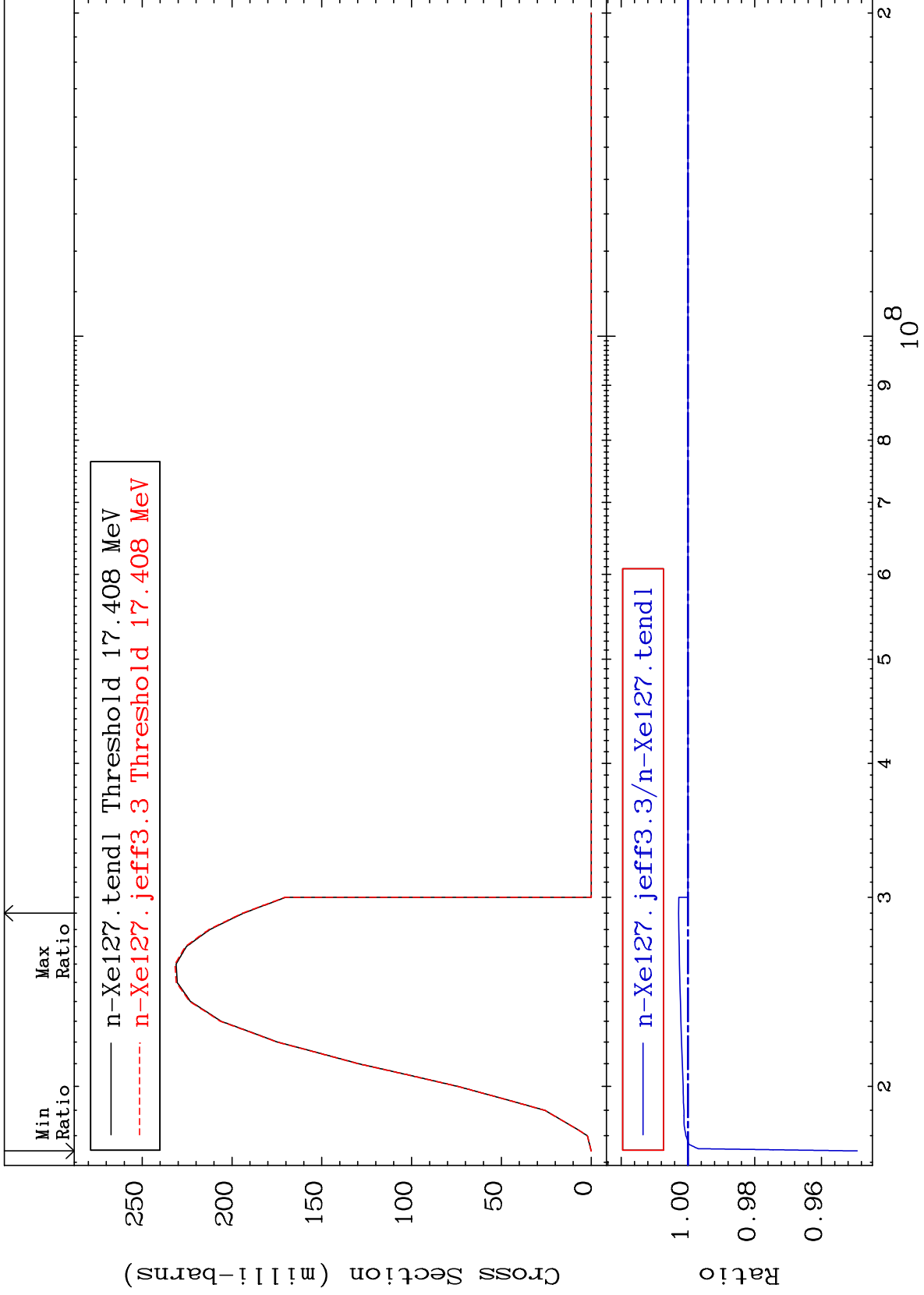
54-Xe-127

MAT 5434

(n,3n):54-Xe-125g

54-Xe-127

Radionuclide Production Cross Section -5.073 To 0.279 %



75

Incident Energy (eV)

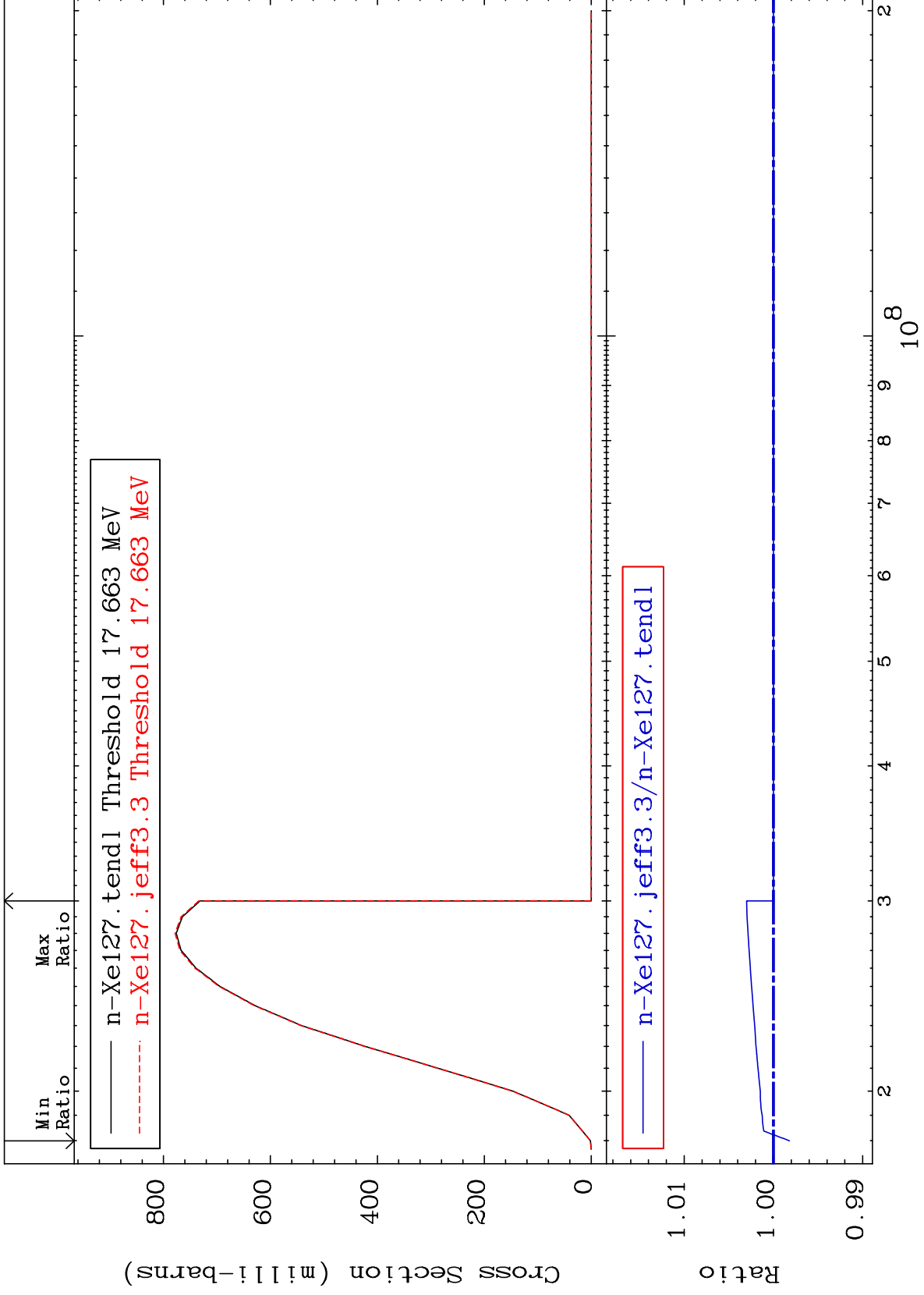
54-Xe-127

MAT 5434

(n,3n):54-Xe-125m2

54-Xe-127

Radionuclide Production Cross Section -0.178 To 0.302 %



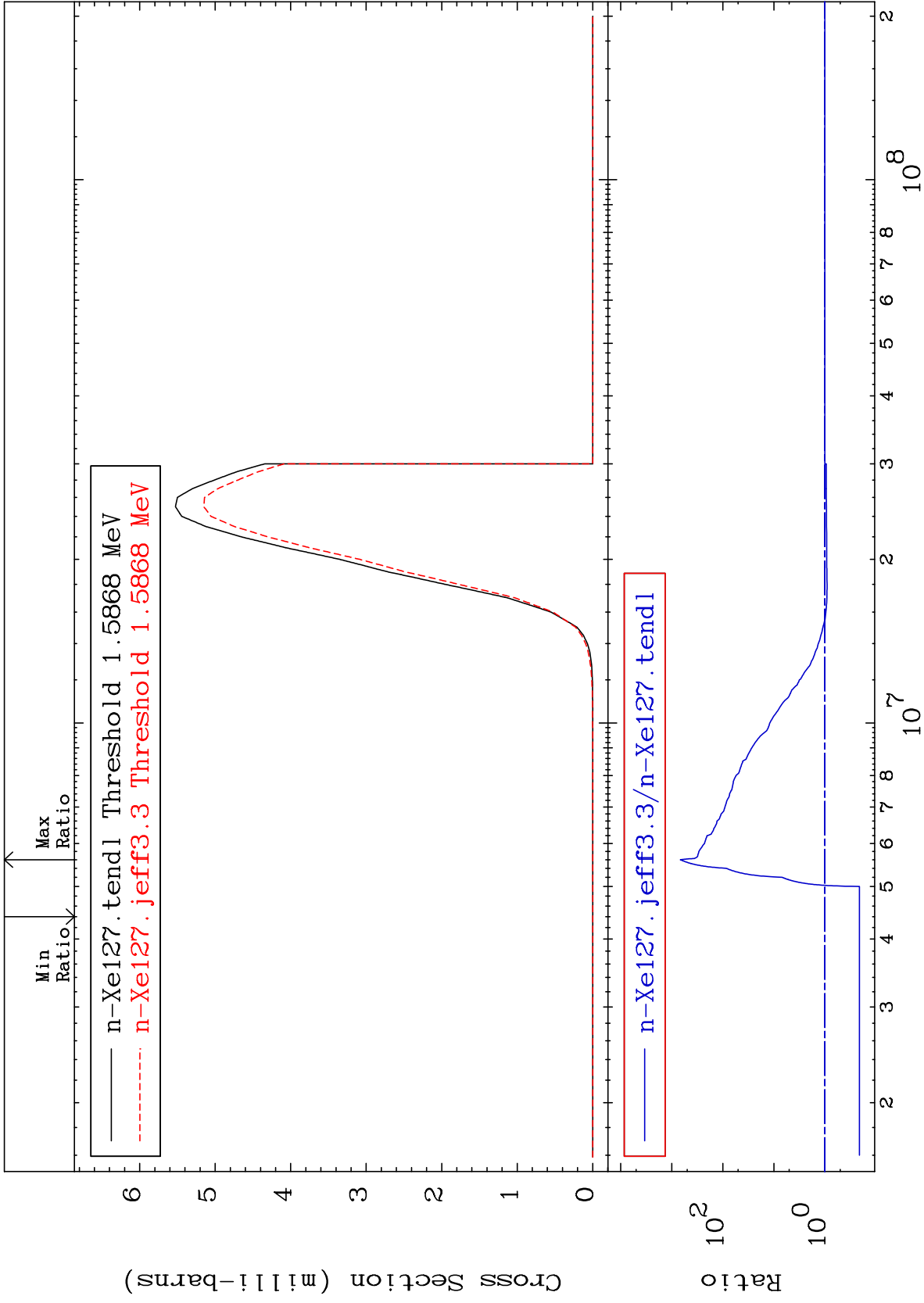
76

Incident Energy (eV)

54-Xe-127

MAT 5434

(n, n') α :52-Te-123g 54-Xe-127
Radionuclide Production Cross Section -78.96 To 9999. %



77

Incident Energy (eV)

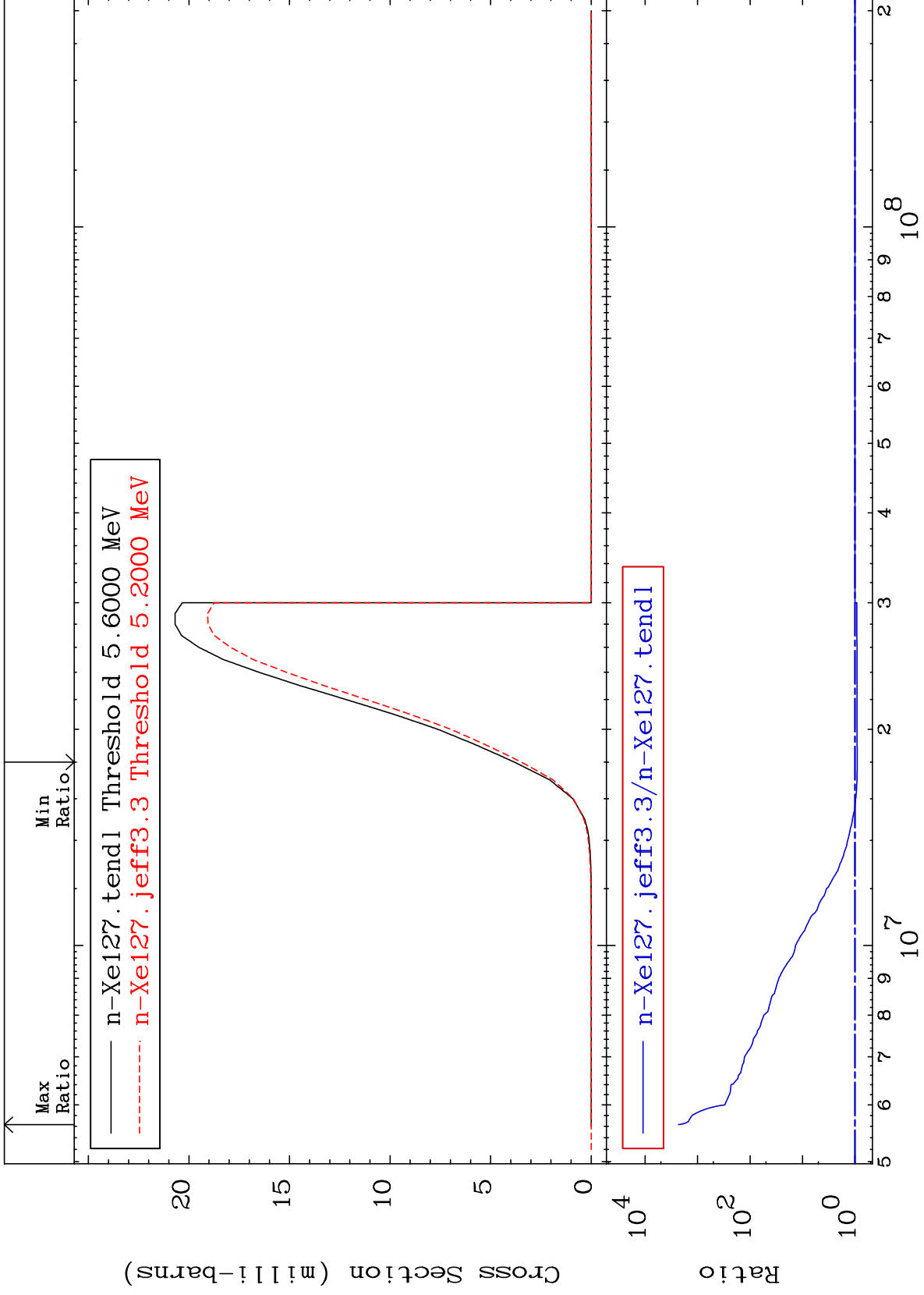
54-Xe-127

MAT 5434

(n, n') α :52-Te-123m2

54-Xe-127

Radionuclide Production Cross Section -9.255 To 9999. %

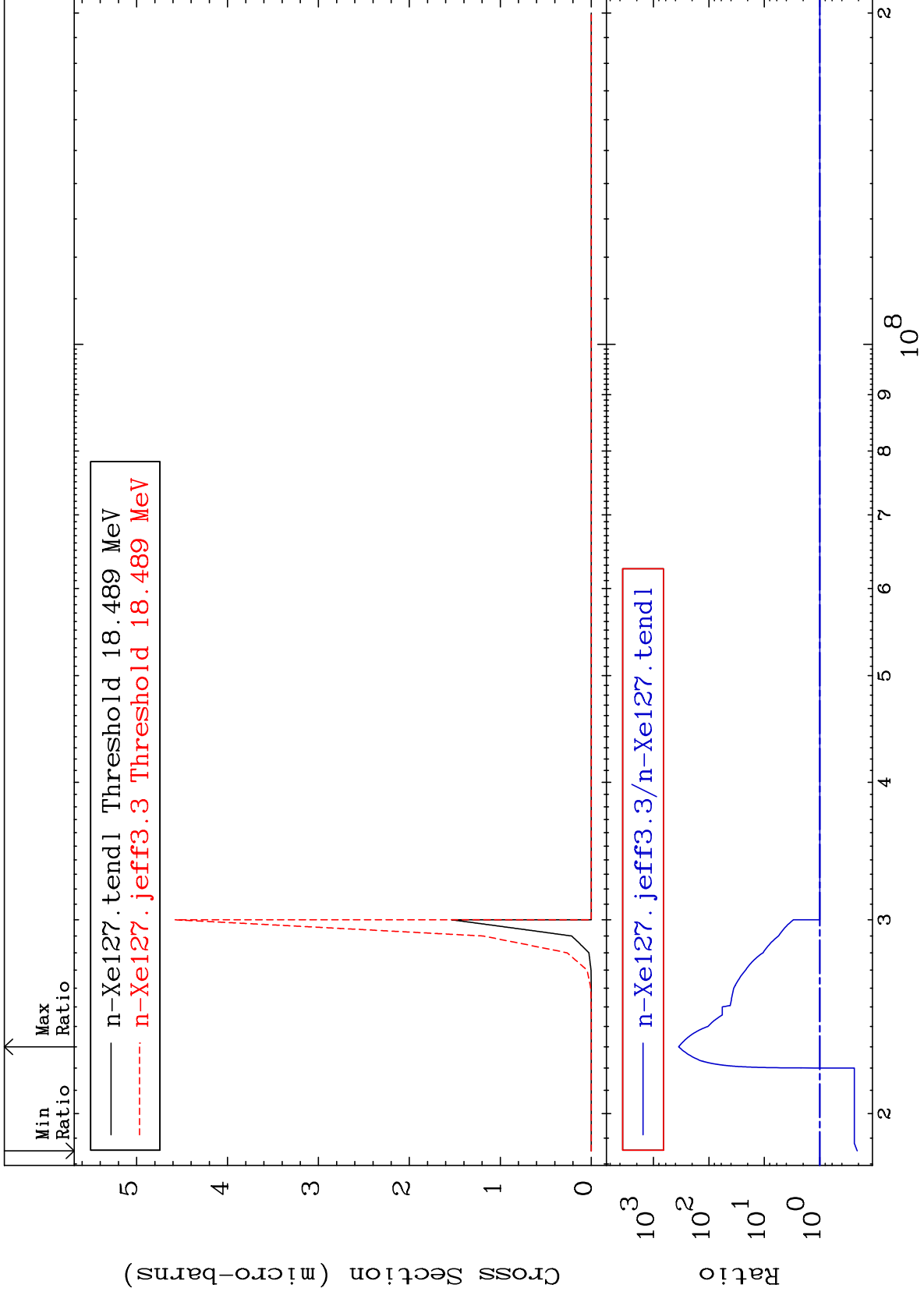


MAT 5434

(n,3n) α :52-Te-121g

54-Xe-127

Radionuclide Production Cross Section -78.86 To 9999. %

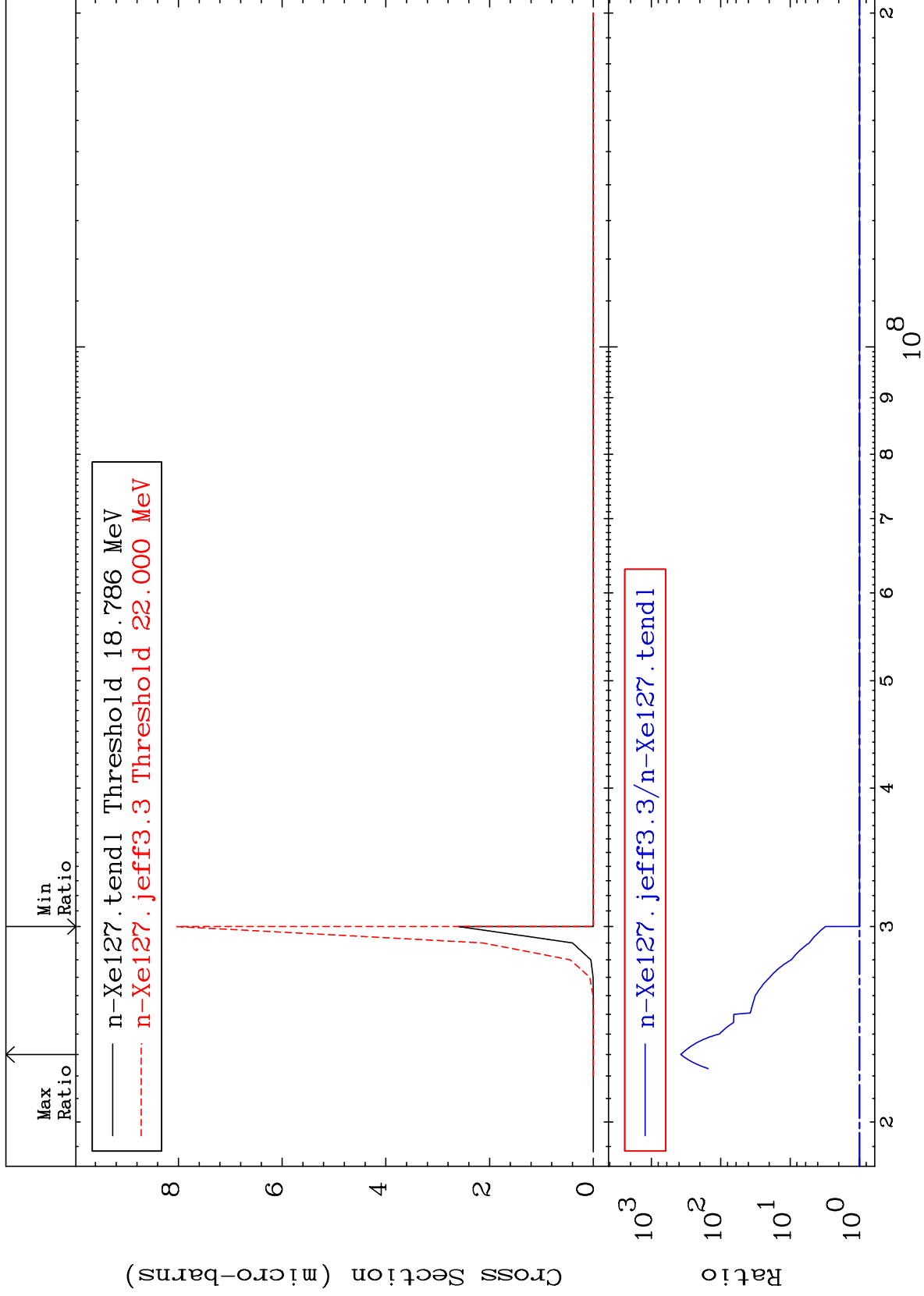


MAT 5434

(n,3n) α :52-Te-121m2

54-Xe-127

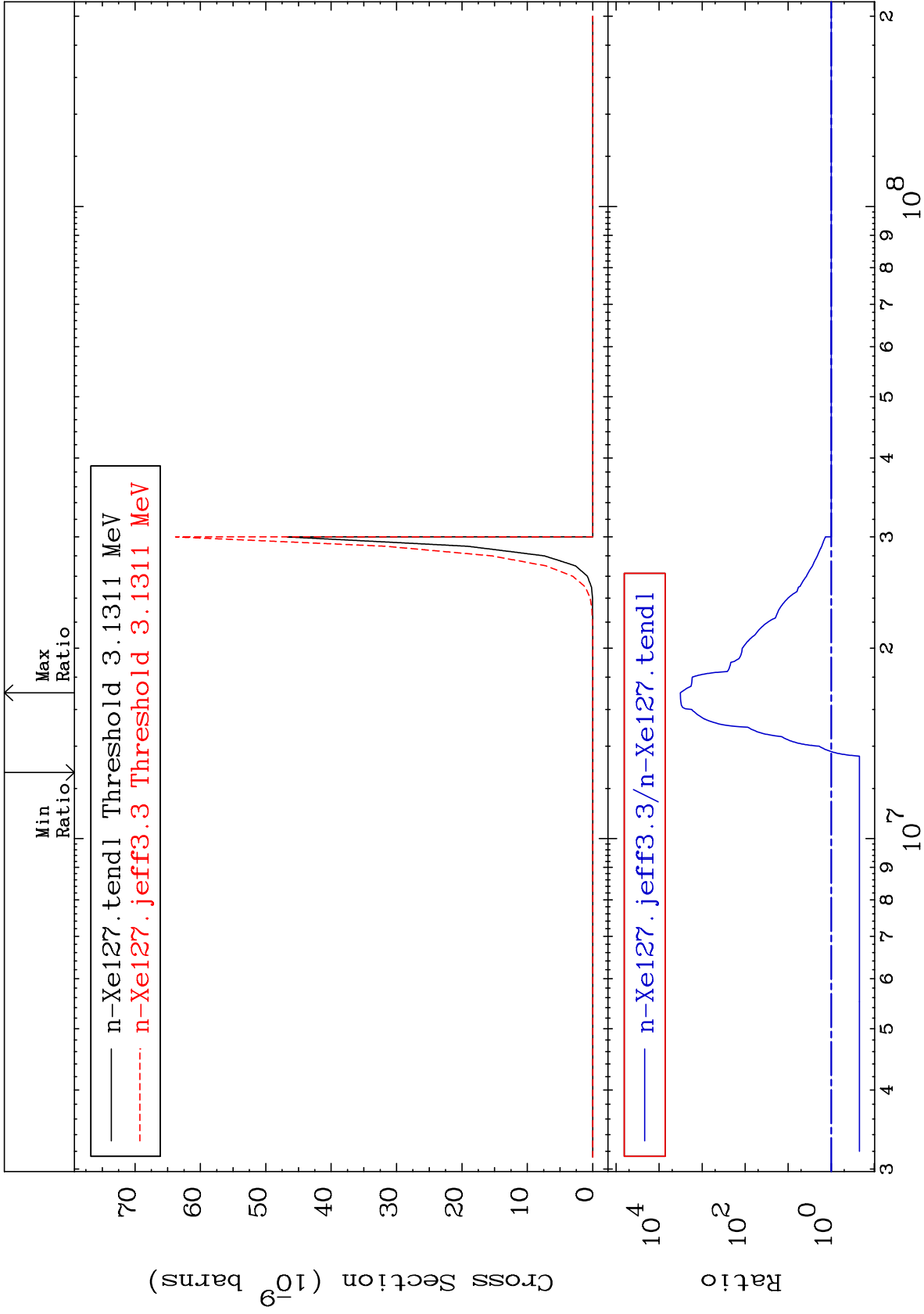
Radionuclide Production Cross Section 0.000 To 9999. %



80

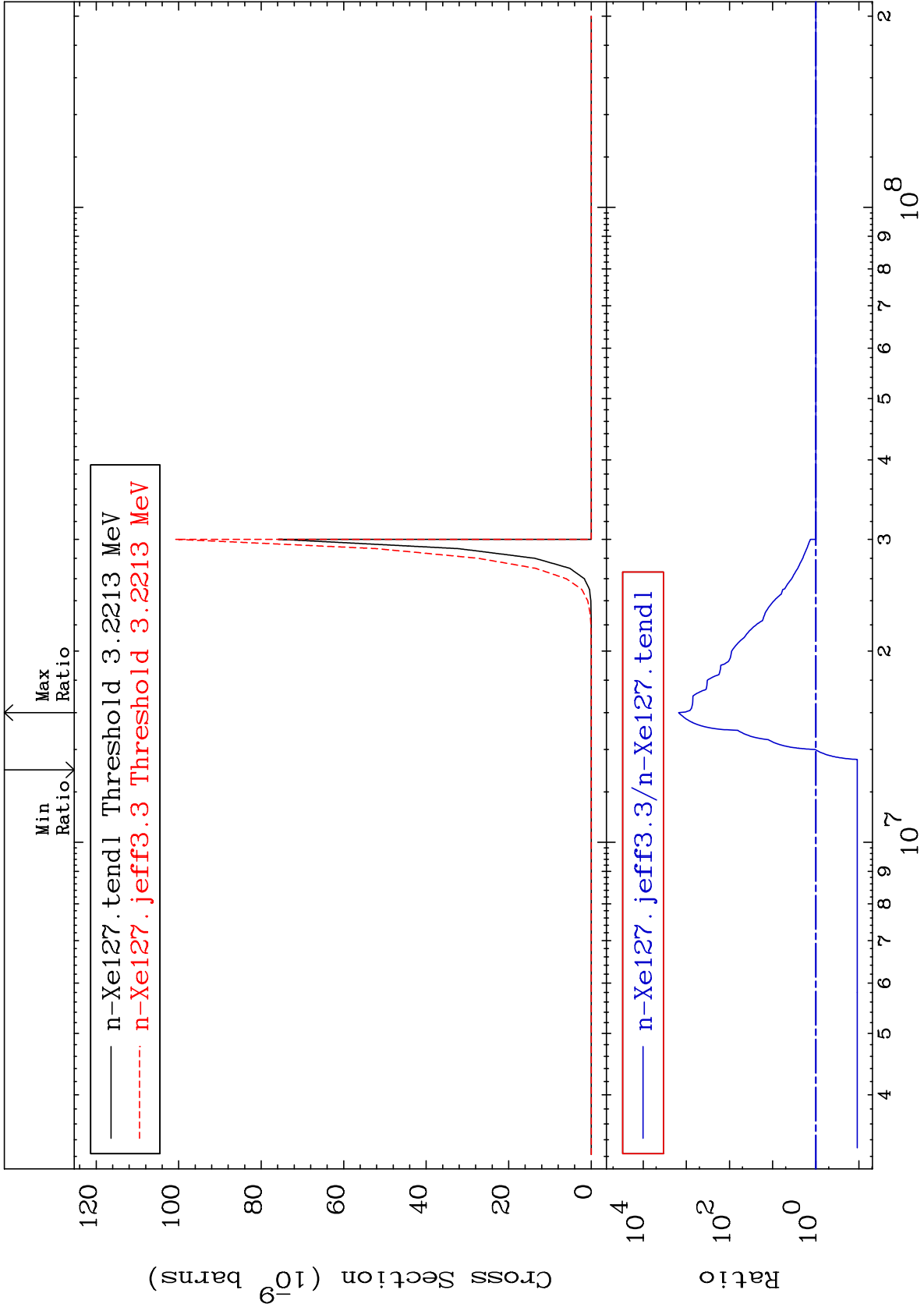
Incident Energy (eV)

54-Xe-127



MAT 5434

(n, n') $2\alpha:50\text{-Sn-119m2}$ 54-Xe-127
Radionuclide Production Cross Section -89.04 To 9999. %

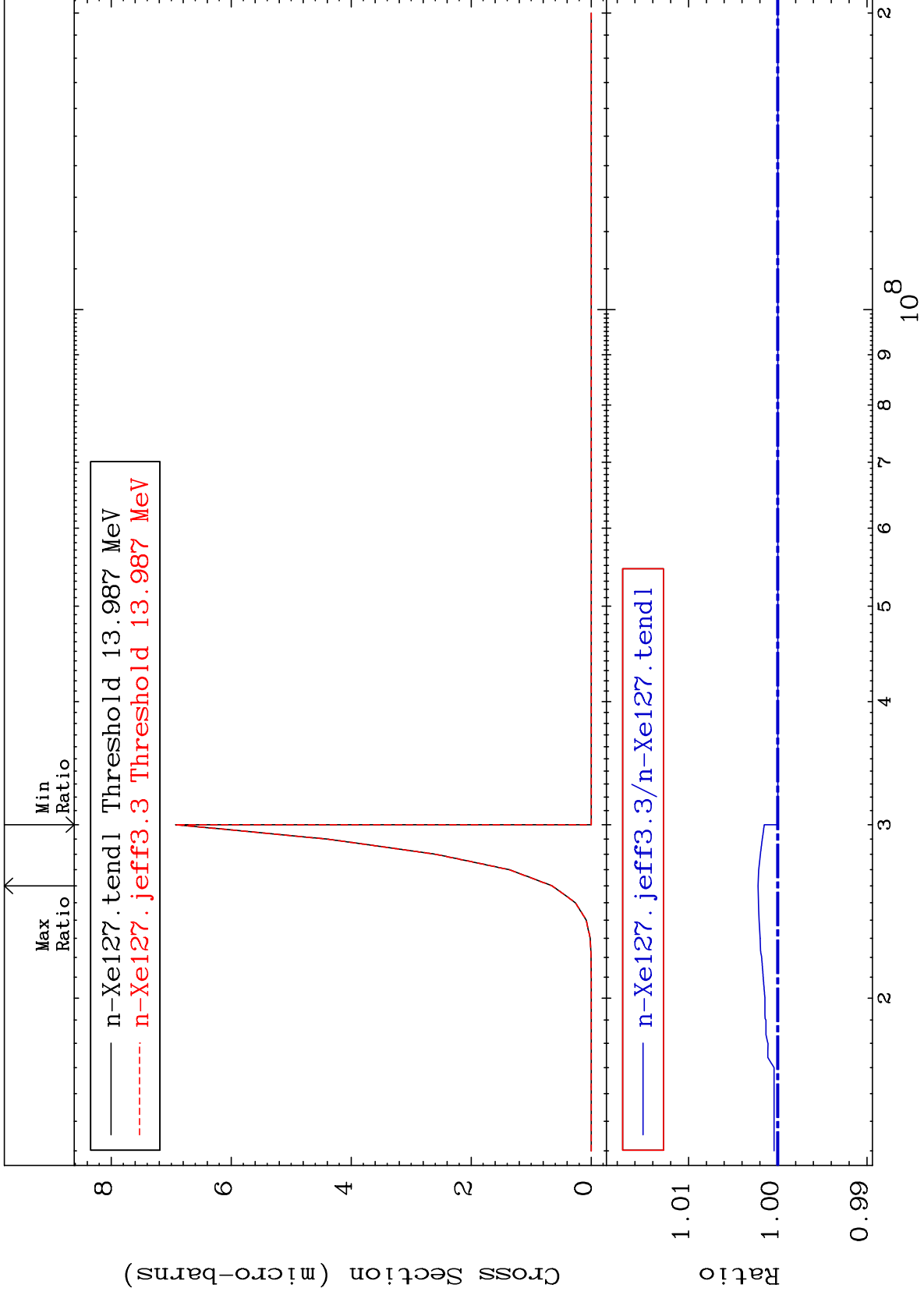


MAT 5434

(n,2n) p:52-Te-125g

54-Xe-127

Radionuclide Production Cross Section 0.000 To 0.220 %

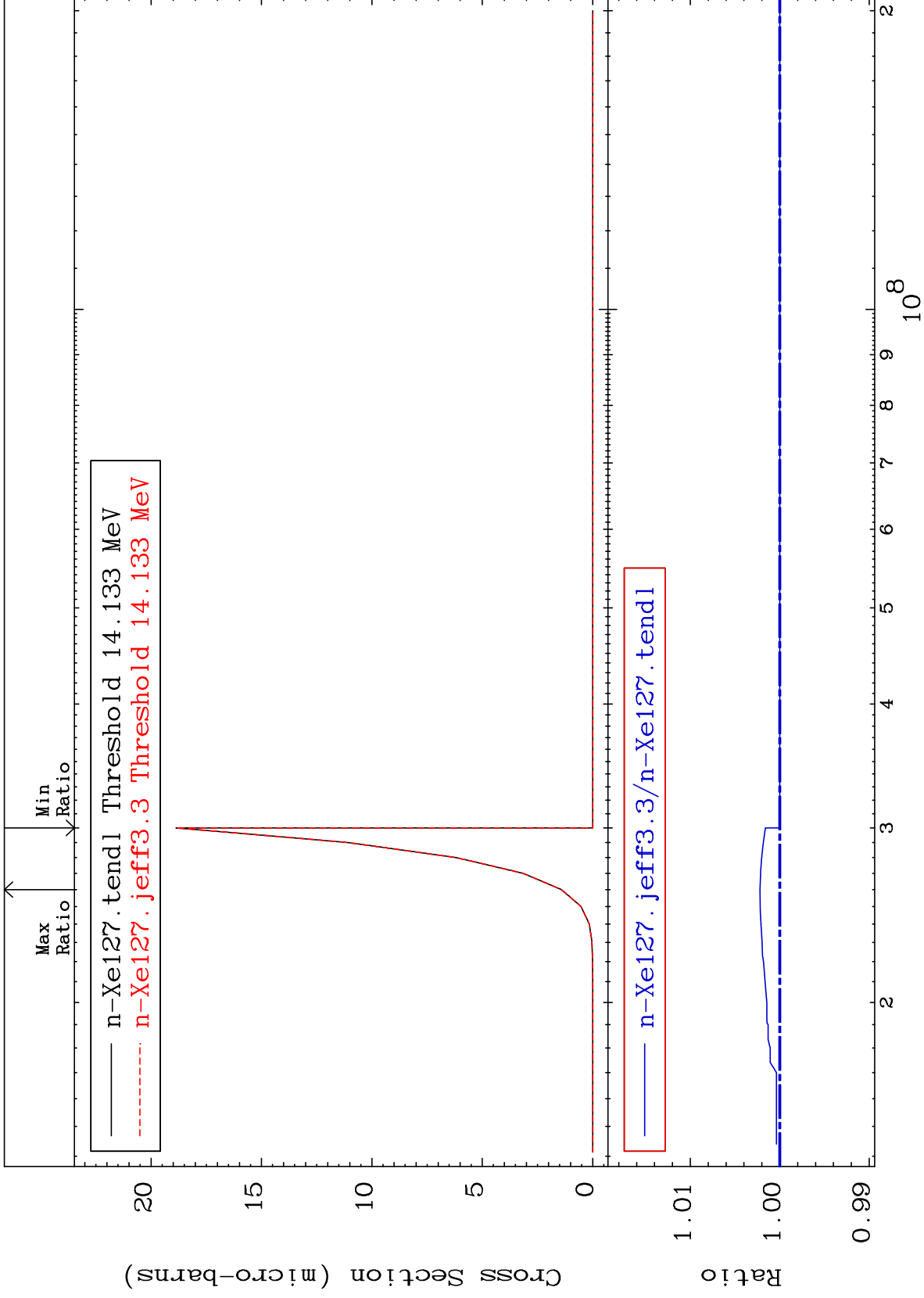


MAT 5434

(n,2n) p:52-Te-125m2

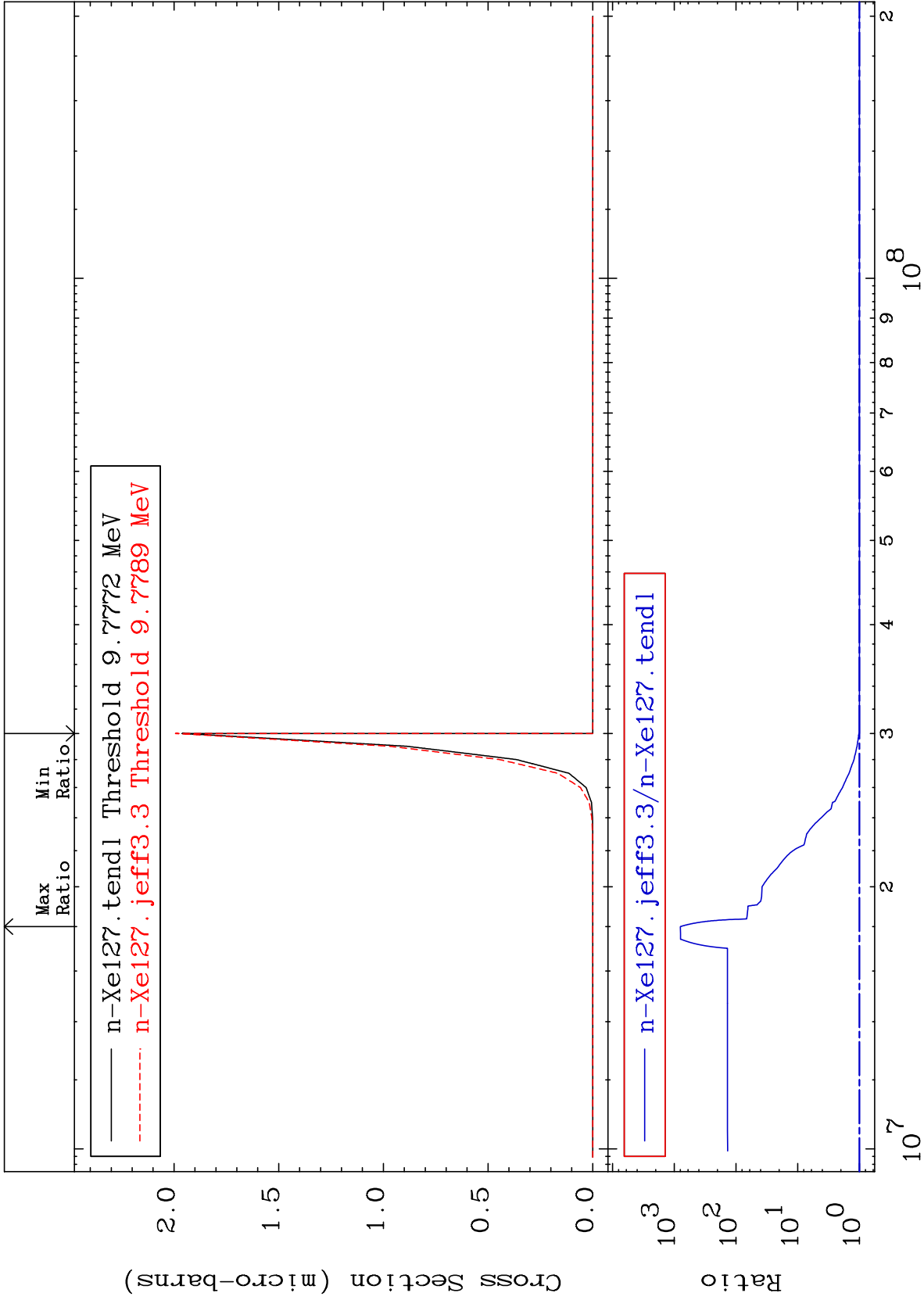
54-Xe-127

Radionuclide Production Cross Section 0.000 To 0.221 %



MAT 5434

(n, n') p α :51-Sb-122g 54-Xe-127
Radionuclide Production Cross Section 0.000 To 9999. %



85

Incident Energy (eV)

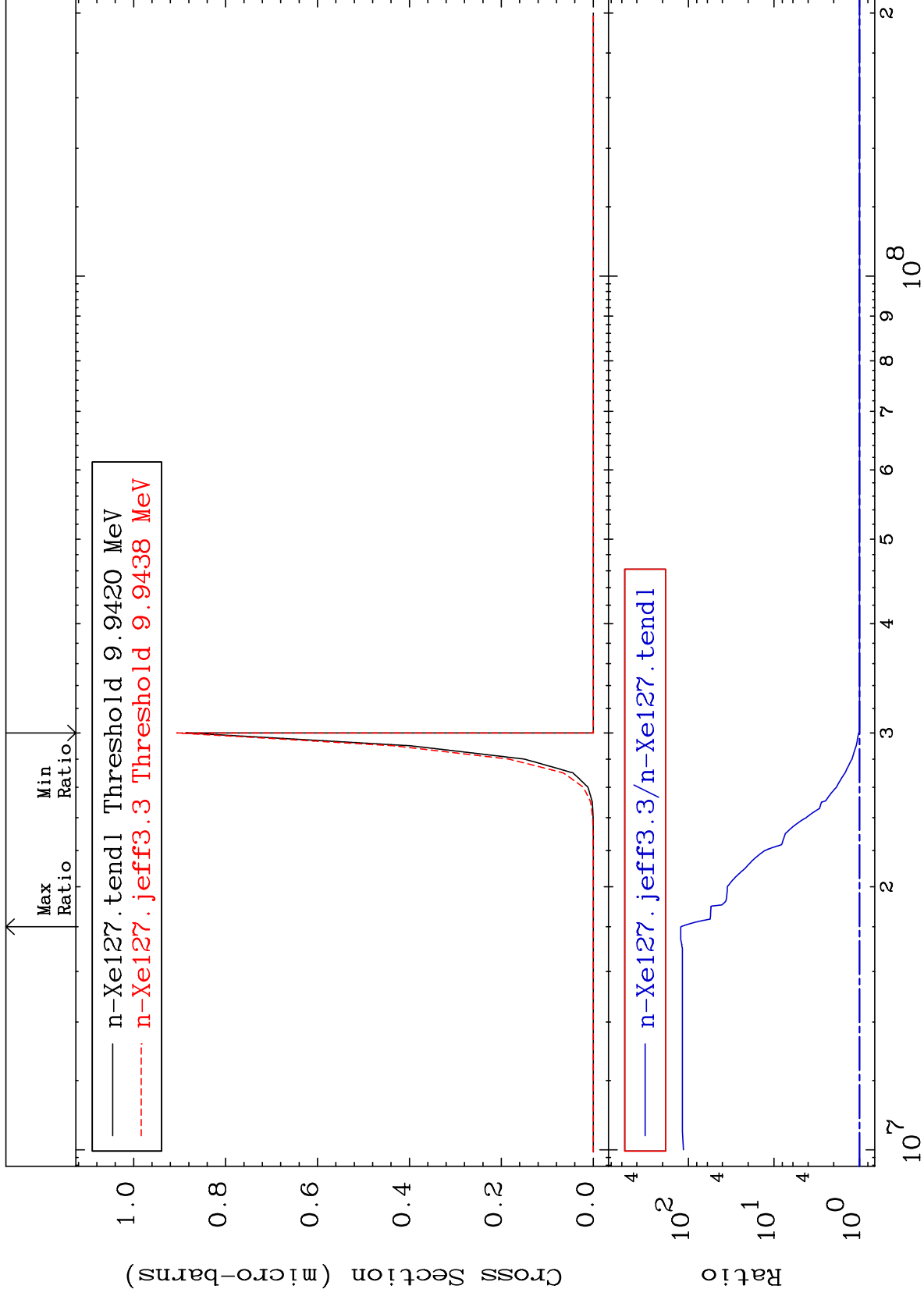
54-Xe-127

MAT 5434

(n, n') p α :51-Sb-122m5

54-Xe-127

Radionuclide Production Cross Section 0.000 To 9999. %



86

Incident Energy (eV)

54-Xe-127

MAT 5434

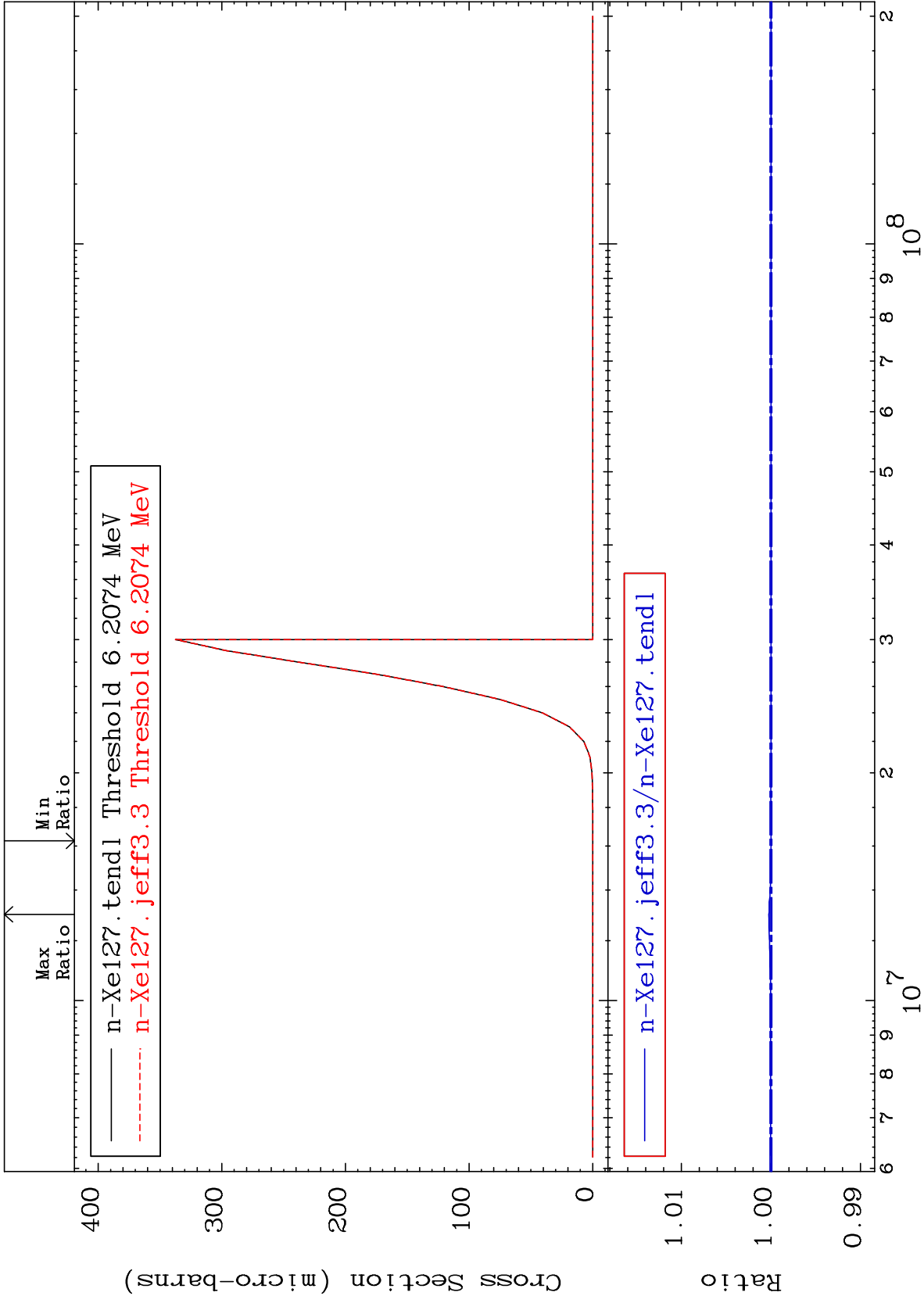
(n,He-3):52-Te-125g

54-Xe-127
To 0.024 %

Radionuclide Production Cross Section

0.000

To 0.024 %



87

Incident Energy (eV)

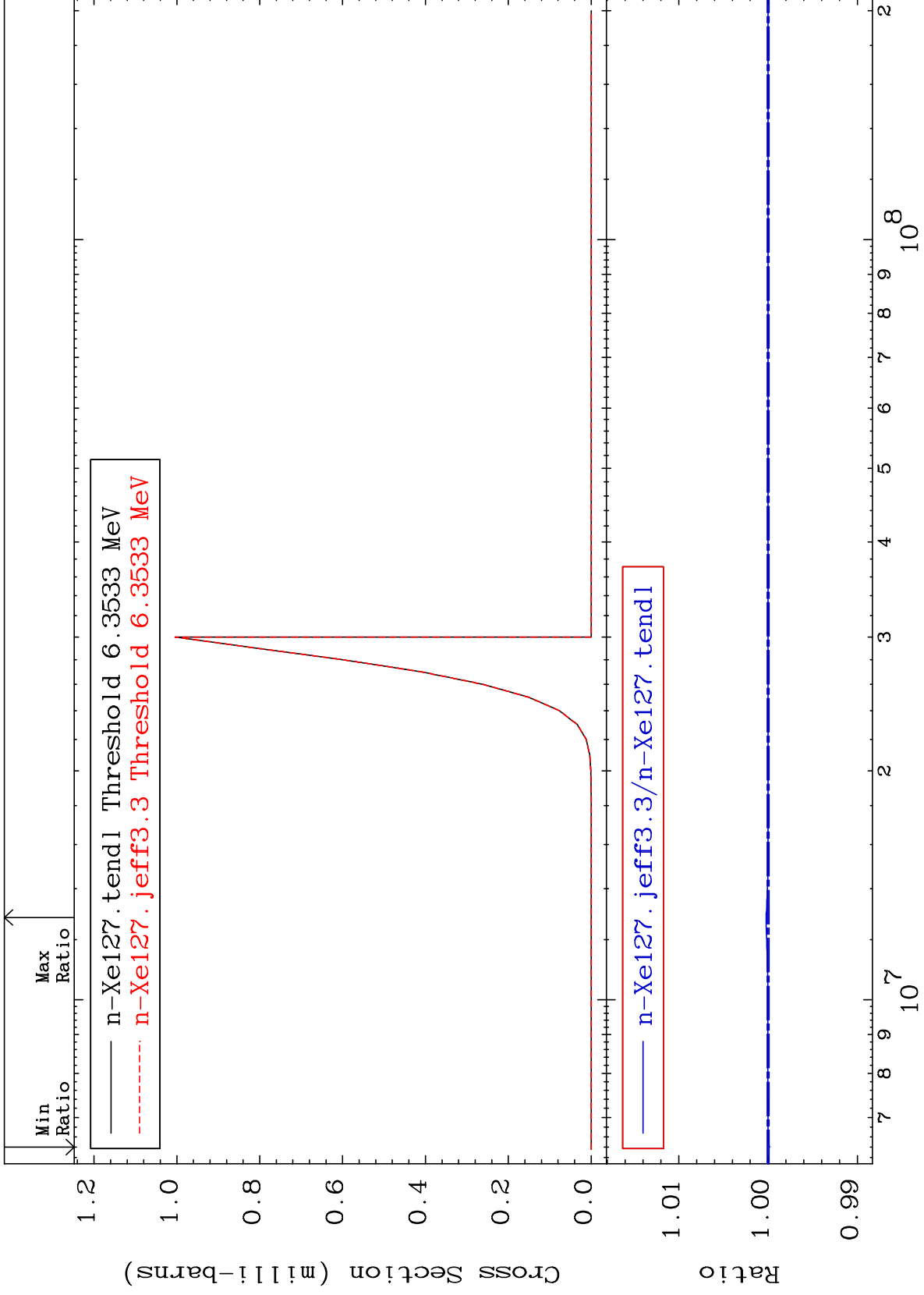
54-Xe-127

MAT 5434

(n,He-3):52-Te-125m2

54-Xe-127

Radionuclide Production Cross Section -0.018 To 0.021 %

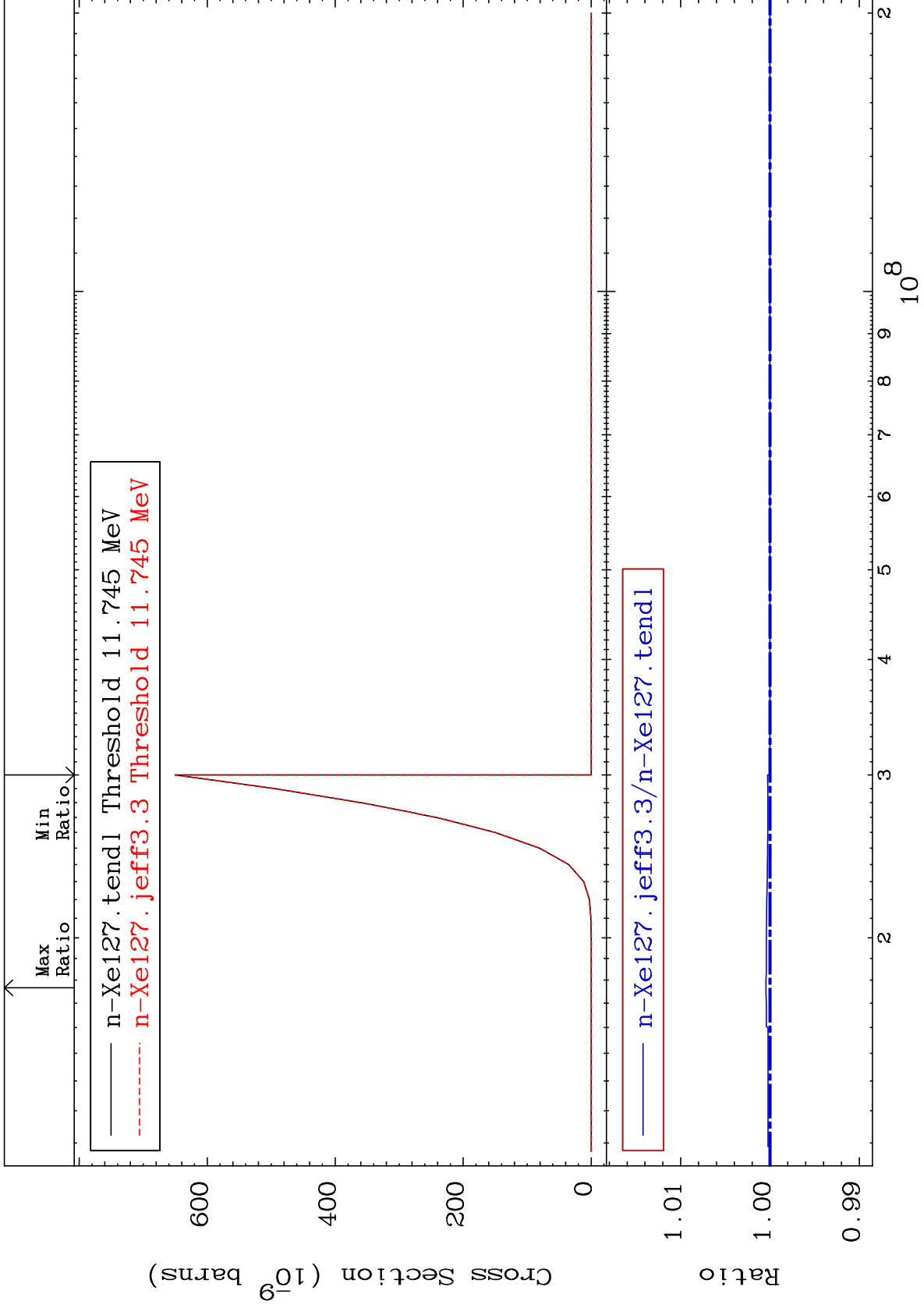


MAT 5434

(n, p) d:52-Te-125g

54-Xe-127

Radionuclide Production Cross Section 0.000 To 0.046 %



89

Incident Energy (eV)

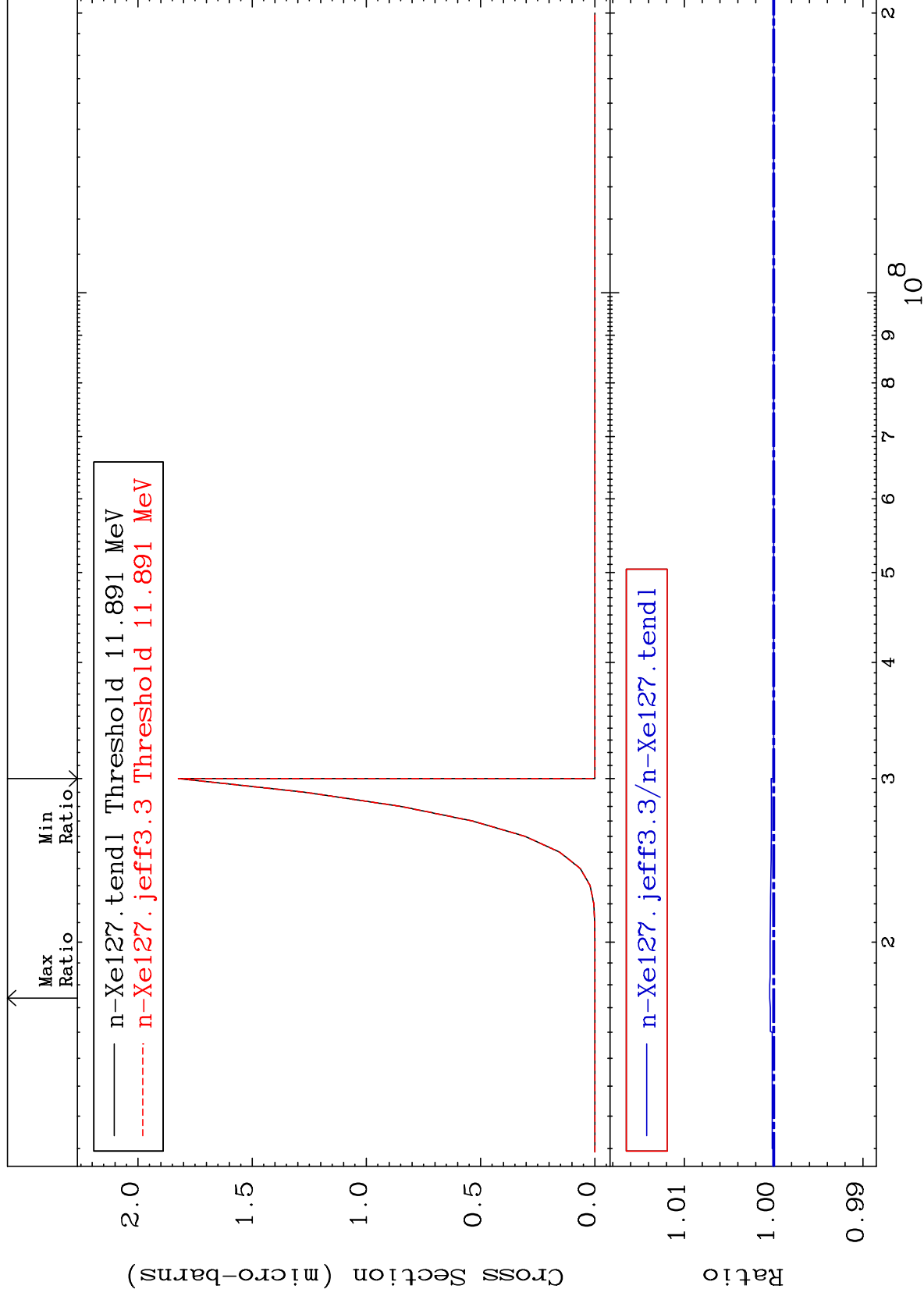
54-Xe-127

MAT 5434

(n, p) d:52-Te-125m2

54-Xe-127

Radionuclide Production Cross Section 0.000 To 0.044 %

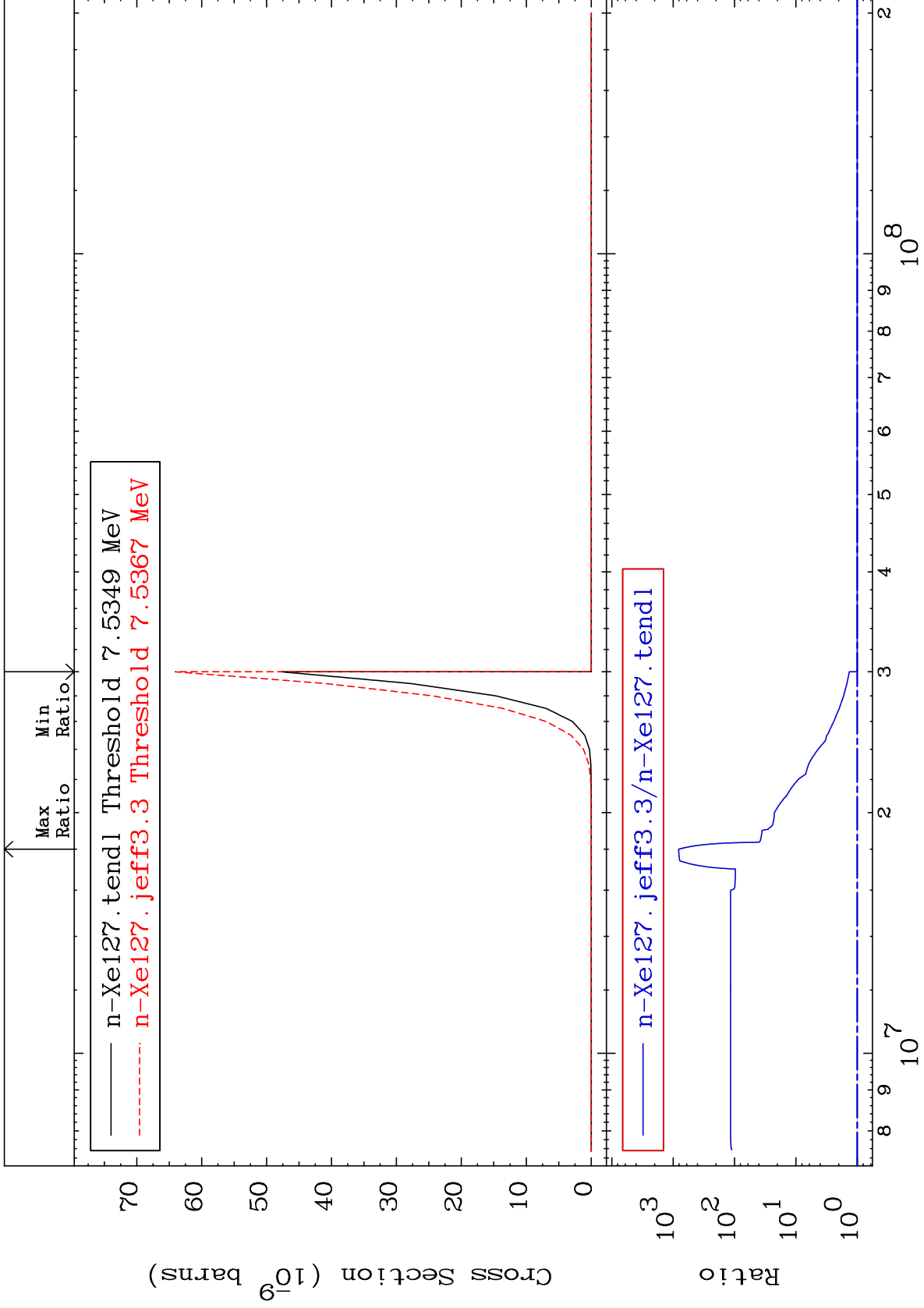


MAT 5434

(n, d) α :51-Sb-122g

54-Xe-127
To 9999. %

Radionuclide Production Cross Section 0.000

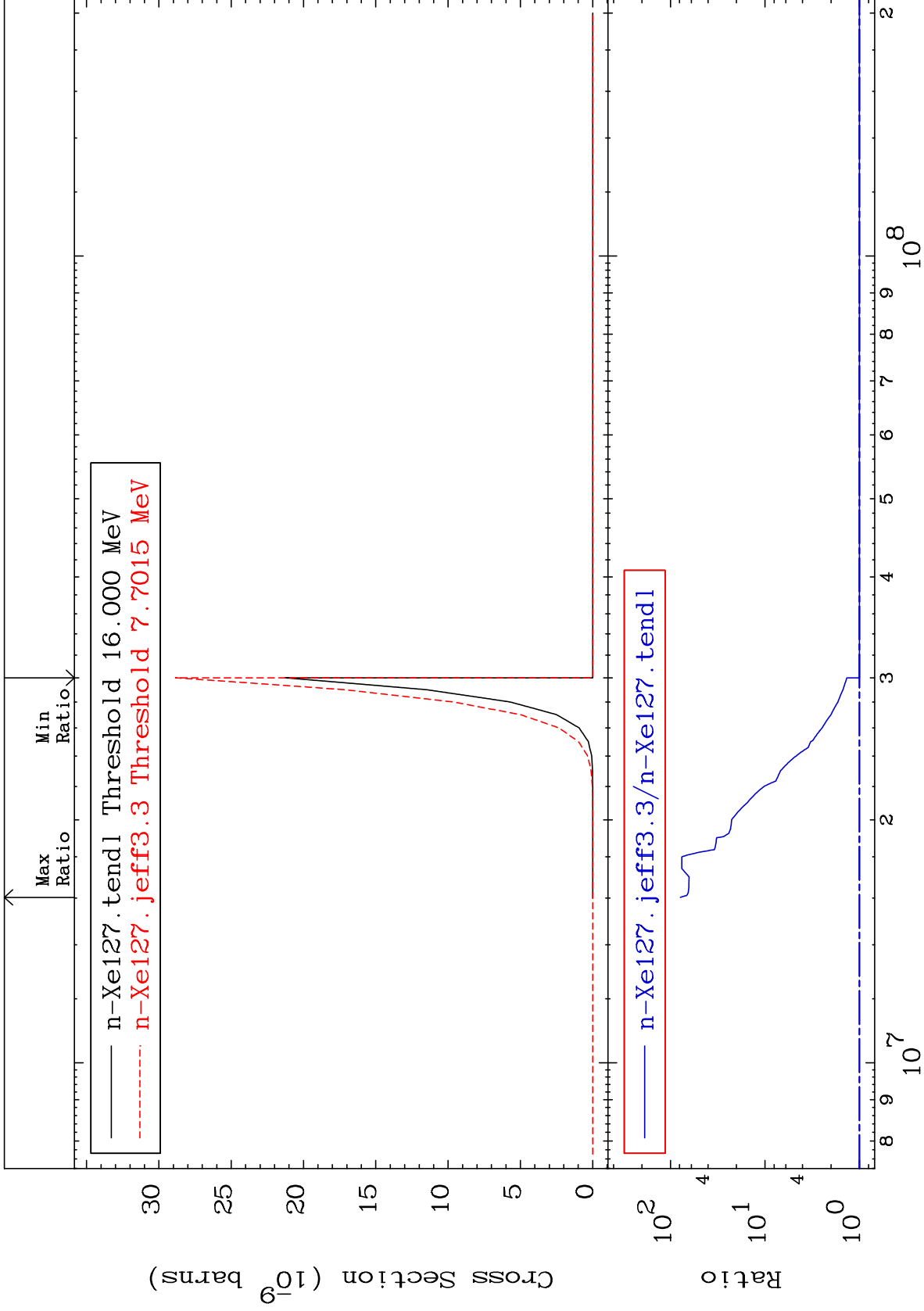


MAT 5434

(n,d) α :51-Sb-122m5

54-Xe-127

Radionuclide Production Cross Section 0.000 To 7747. %



92

Incident Energy (eV)

54-Xe-127