

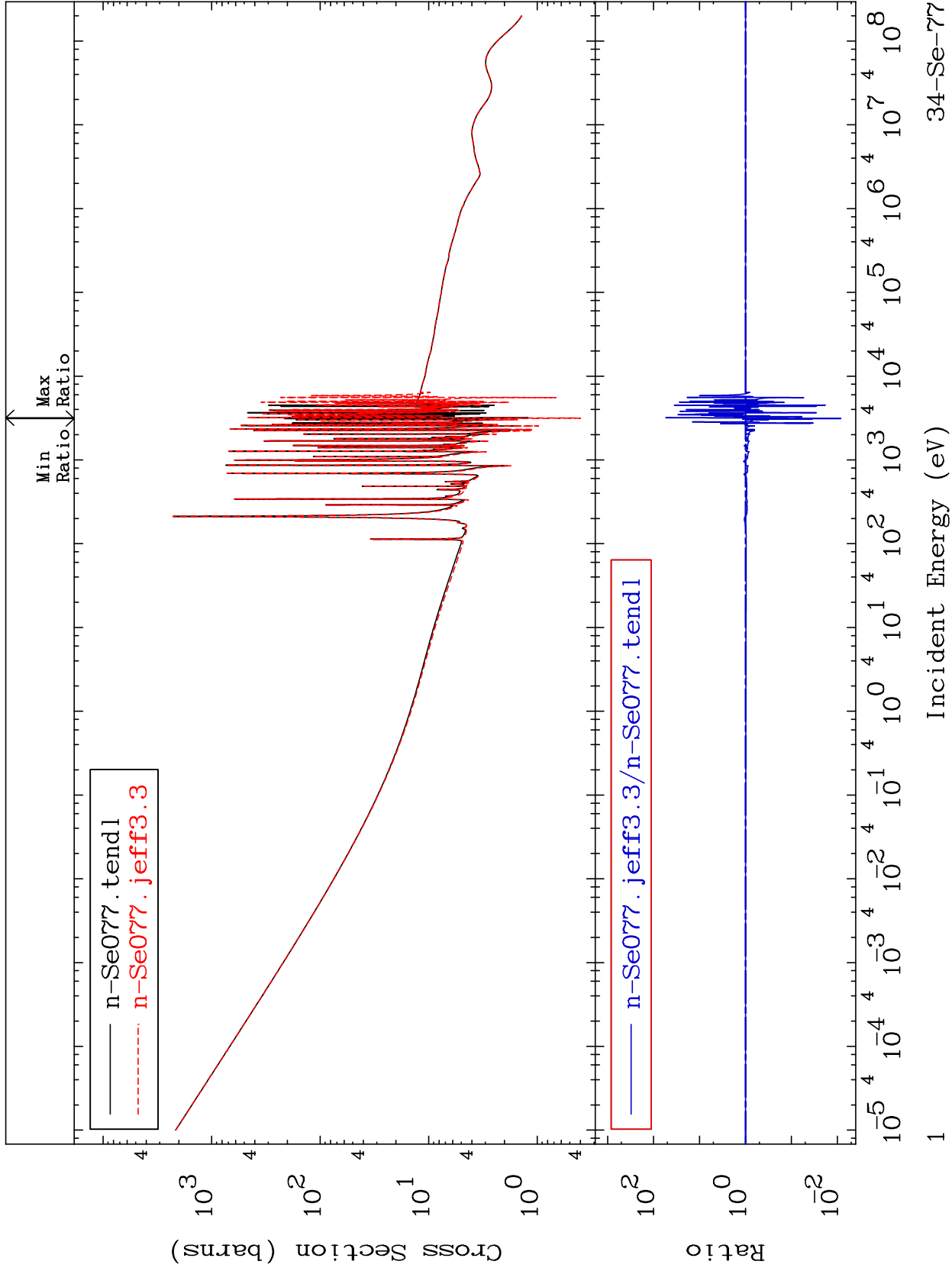
MAT 3434

Total

³⁴Se-77

Cross Section

-99.16 To 5268. %



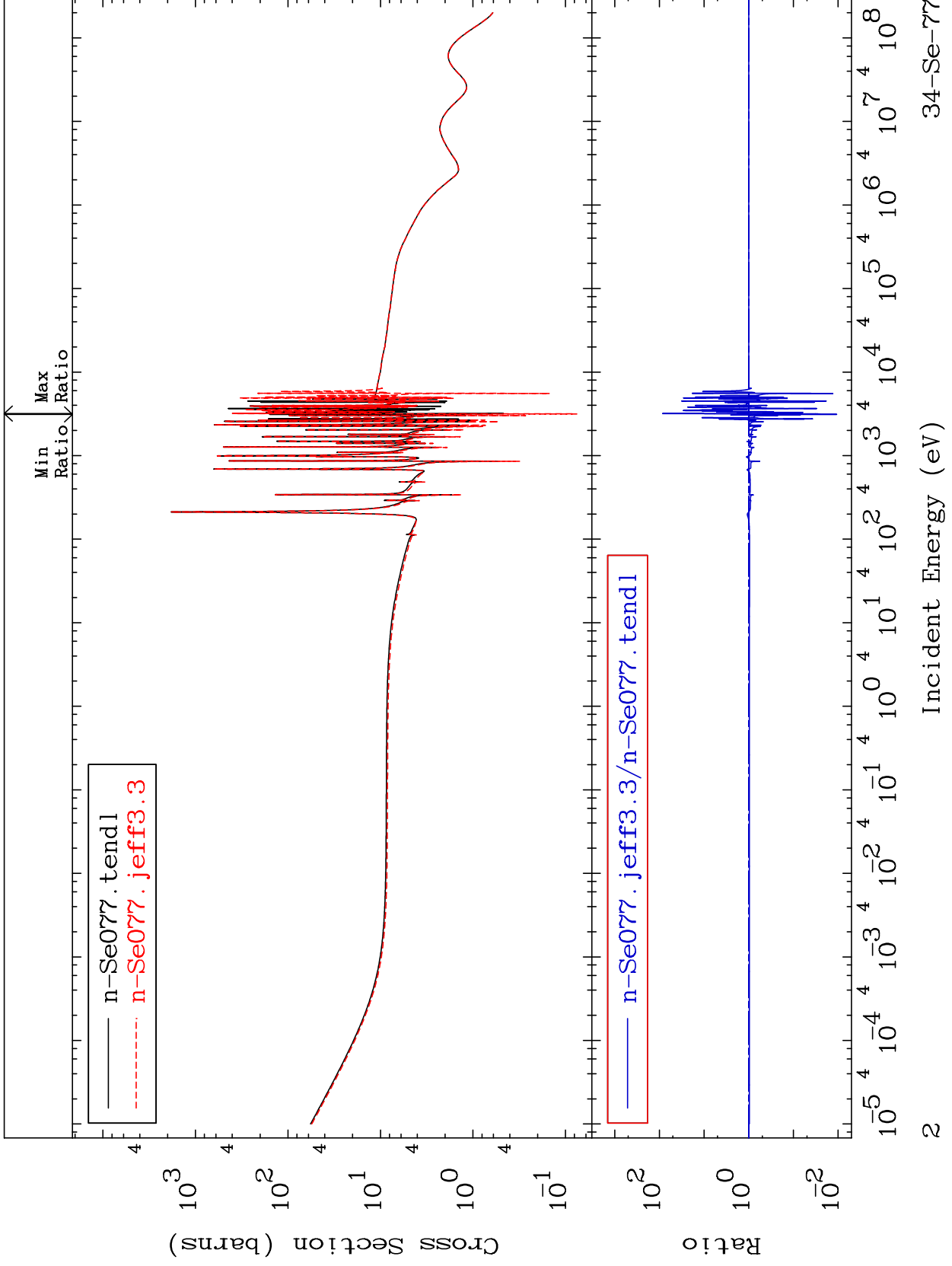
Incident Energy (eV)

³⁴Se-77

MAT 3434

Elastic
Cross Section

³⁴Se-77
-98.92 To 8535. %



³⁴Se-77

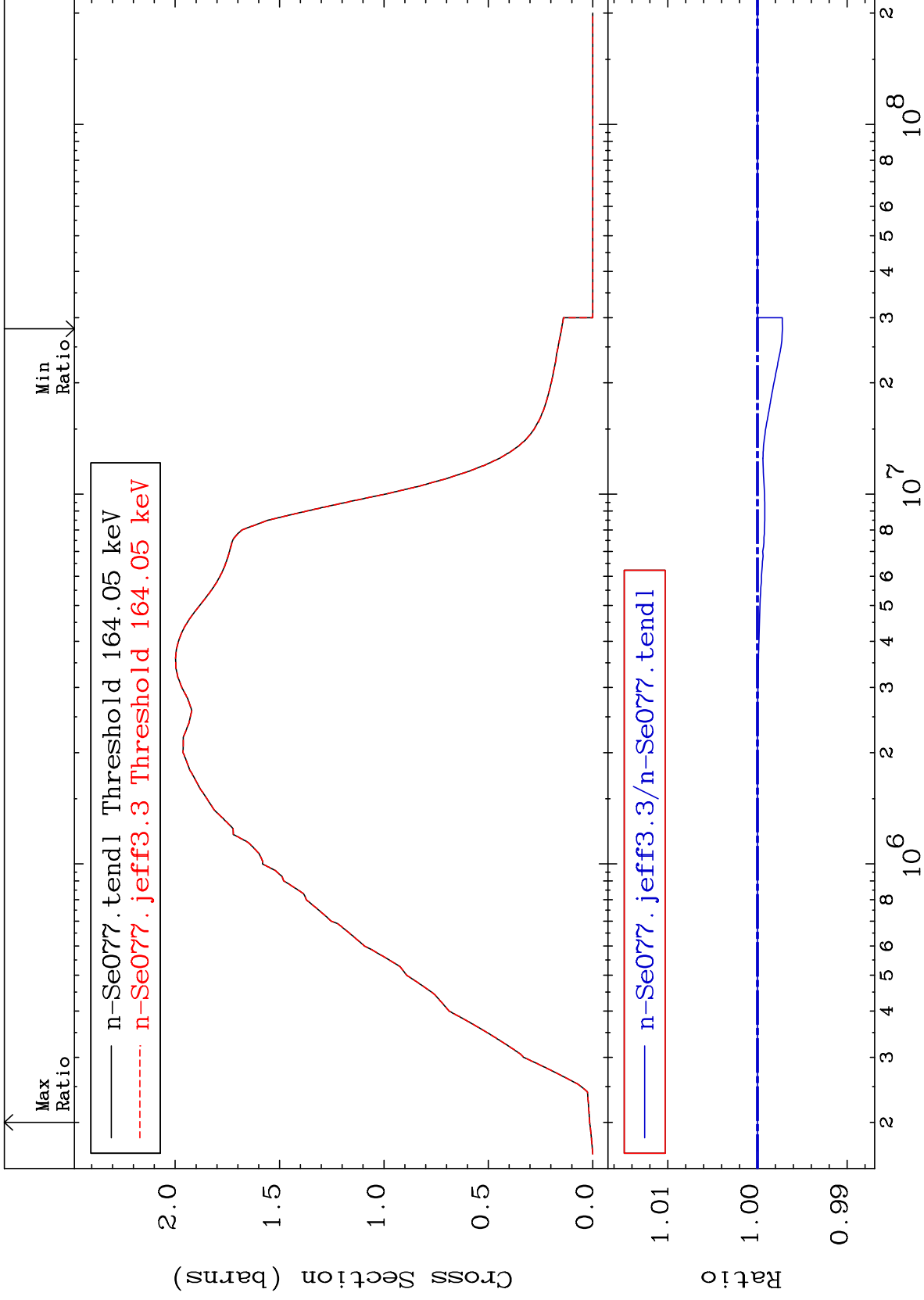
Incident Energy (eV)

2

MAT 3434

Inelastic
Cross Section

³⁴Se-77
-0.278 To 0.000 %



3

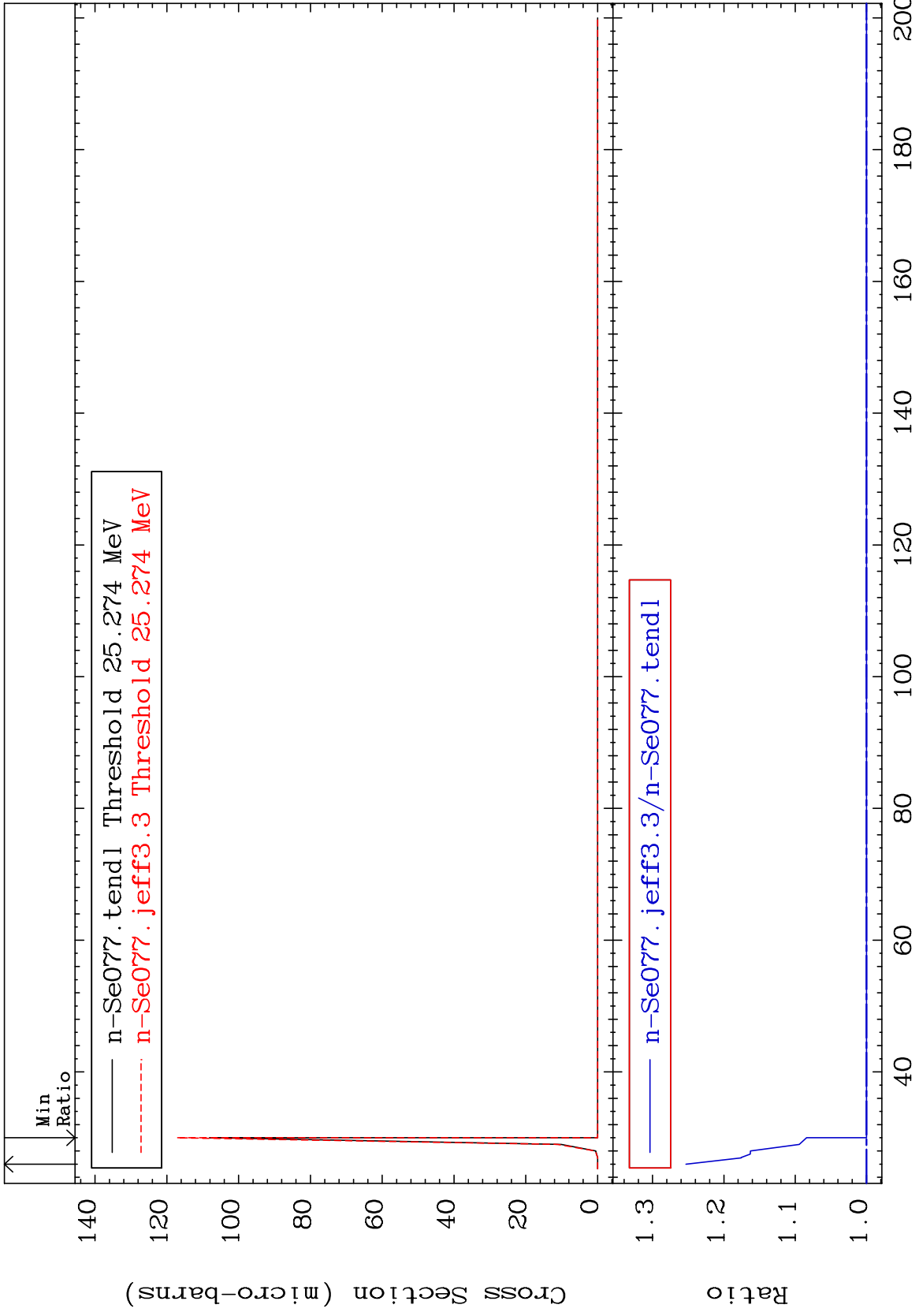
Incident Energy (eV)

³⁴Se-77

MAT 3434

(n,2n) d
Cross Section

³⁴Se-77
0.000 To 25.32 %



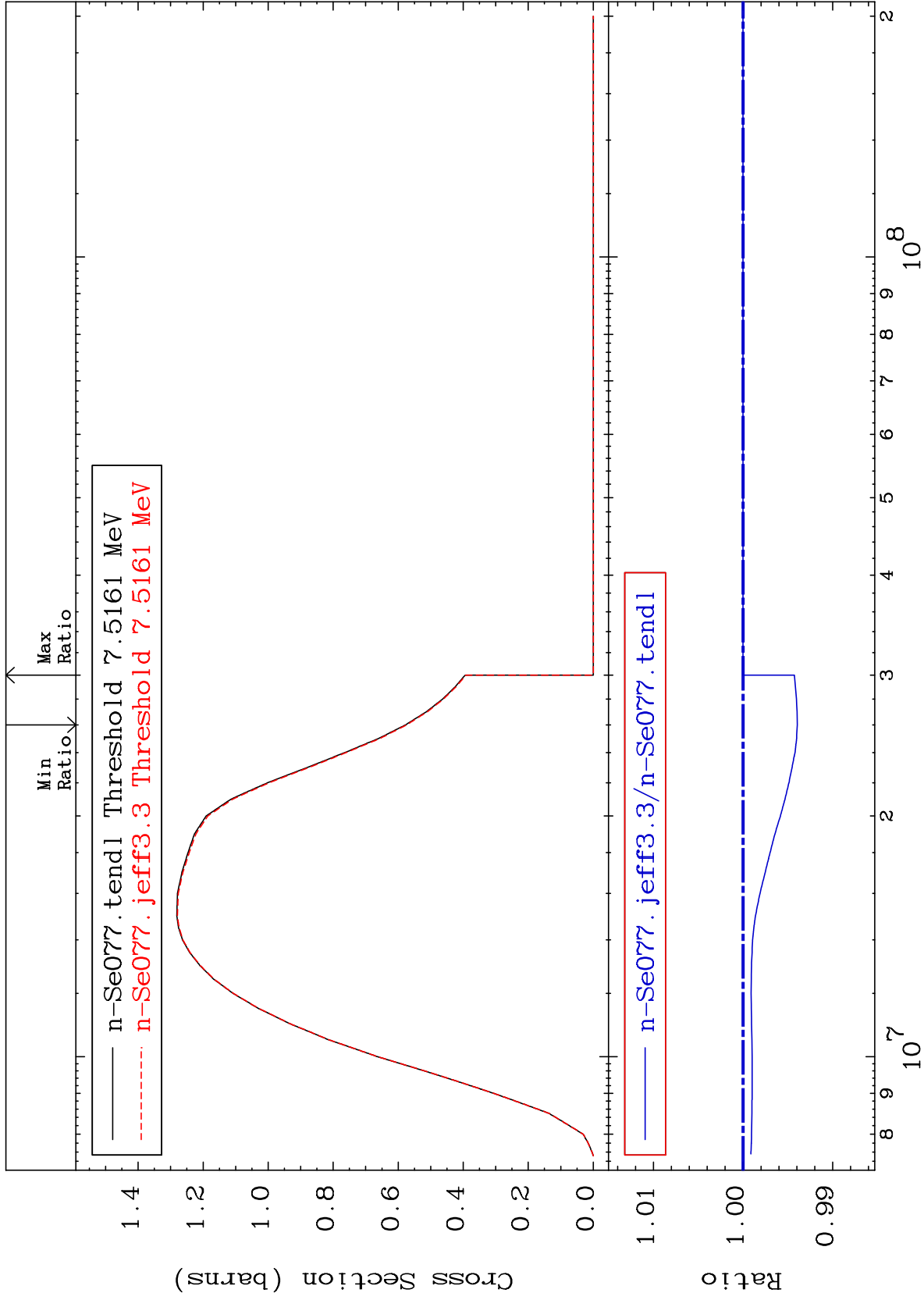
MAT 3434

(n,2n)

³⁴Se-77

Cross Section

-0.604 To 0.000 %



5

Incident Energy (eV)

³⁴Se-77

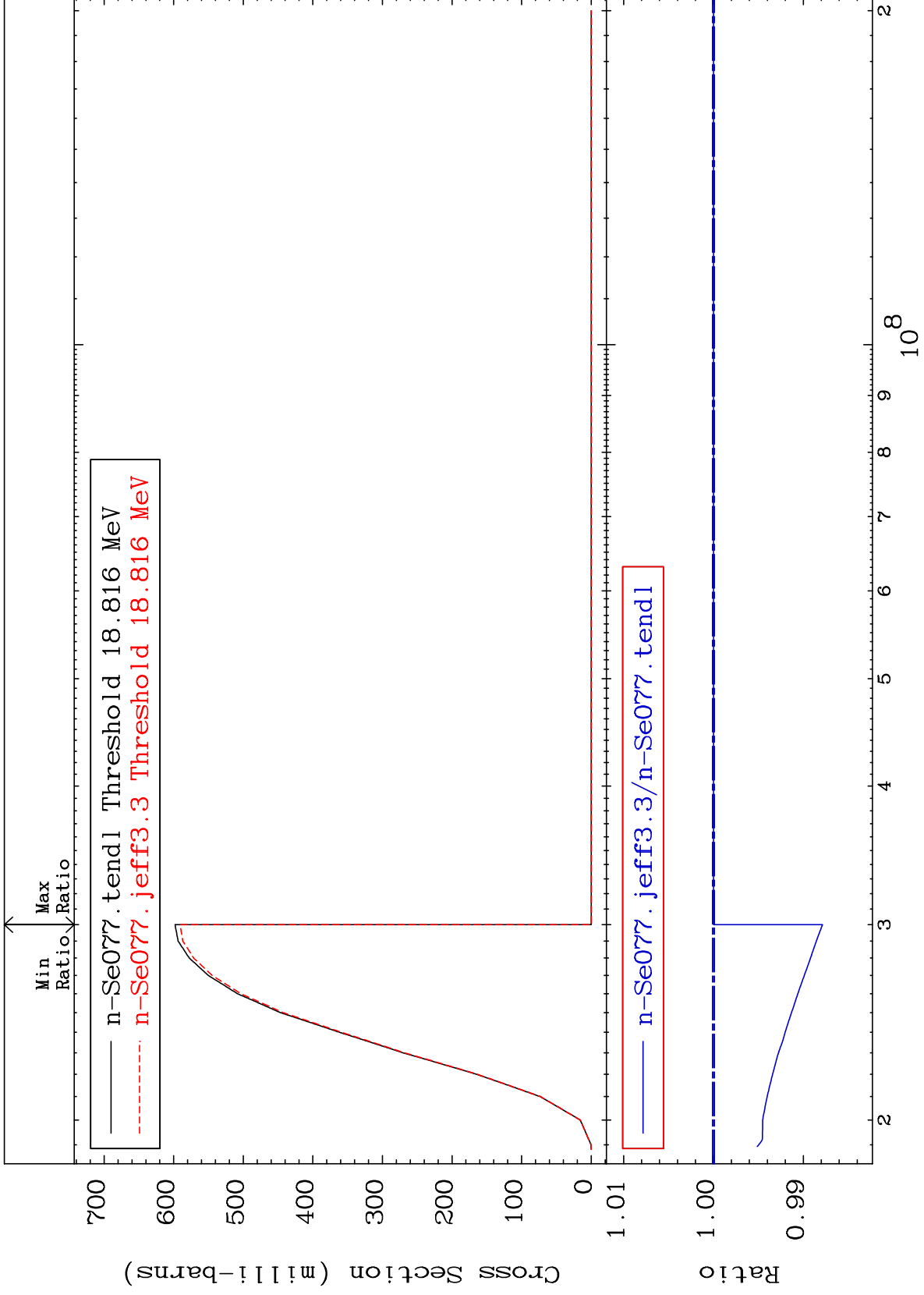
MAT 3434

(n, 3n)

³⁴Se-77

Cross Section

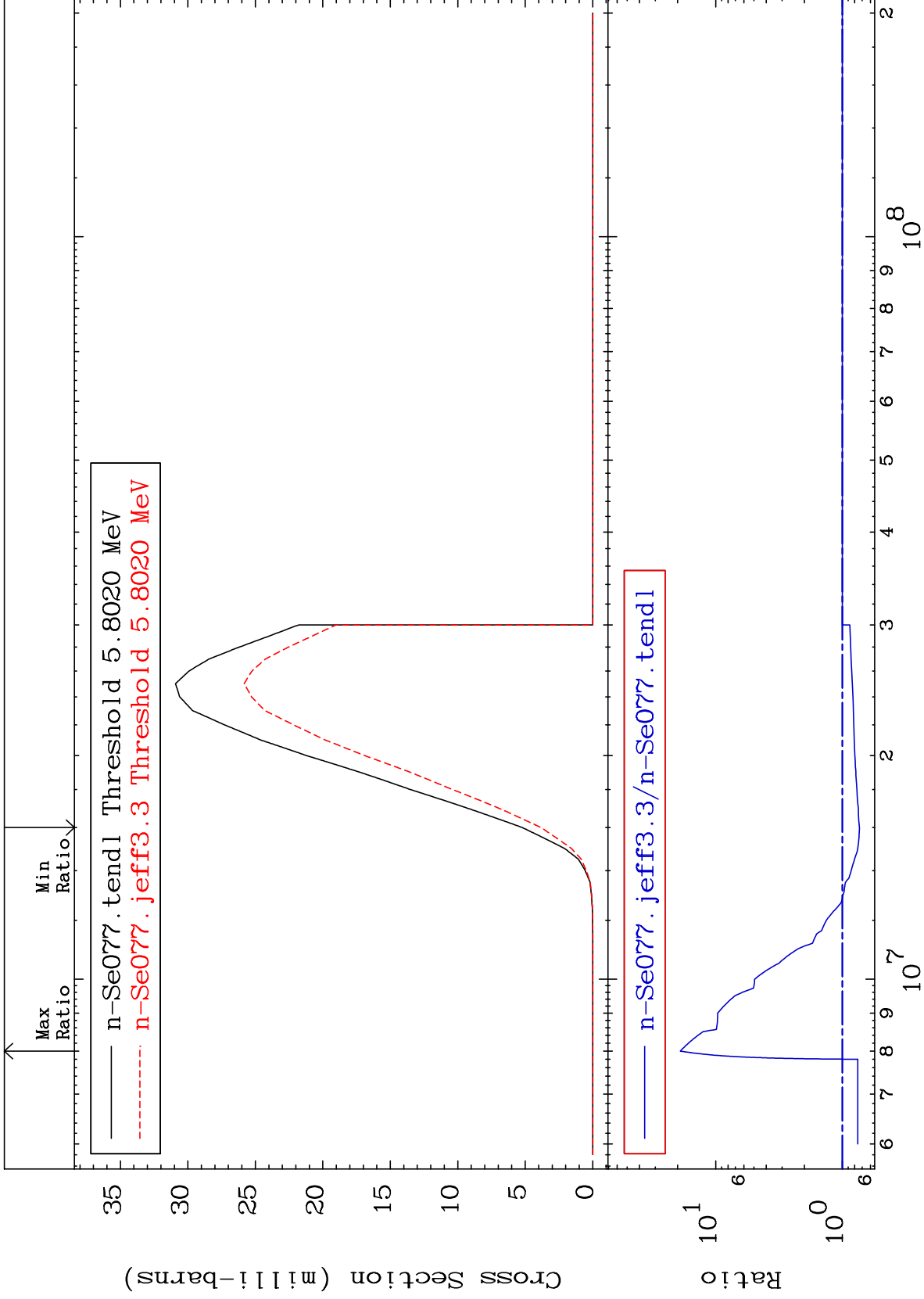
-1.213 To 0.000 %



MAT 3434

(n,n') α
Cross Section

³⁴Se-77
-26.60 To 1802. %



7

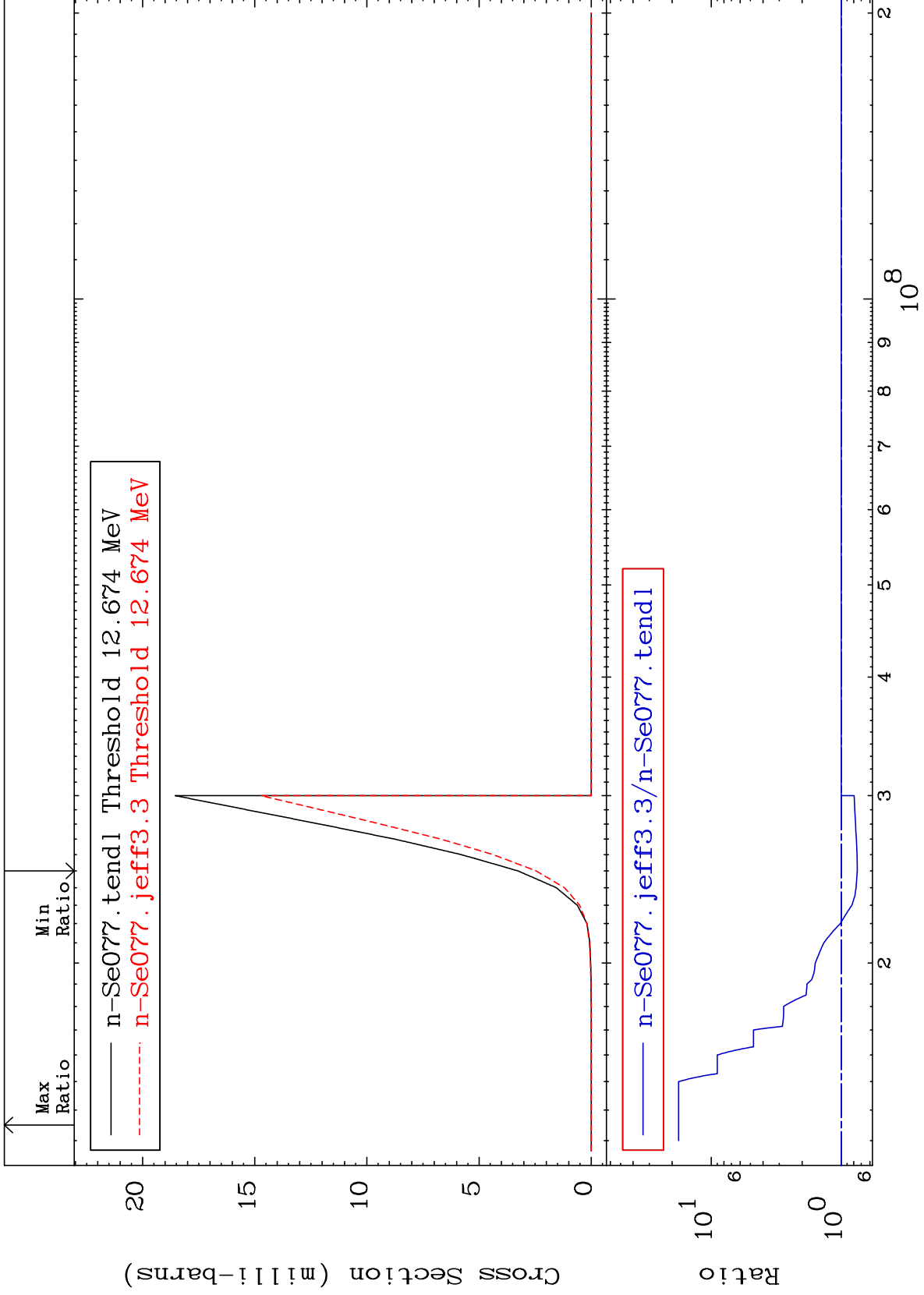
Incident Energy (eV)

³⁴Se-77

MAT 3434

(n,2n) α
Cross Section

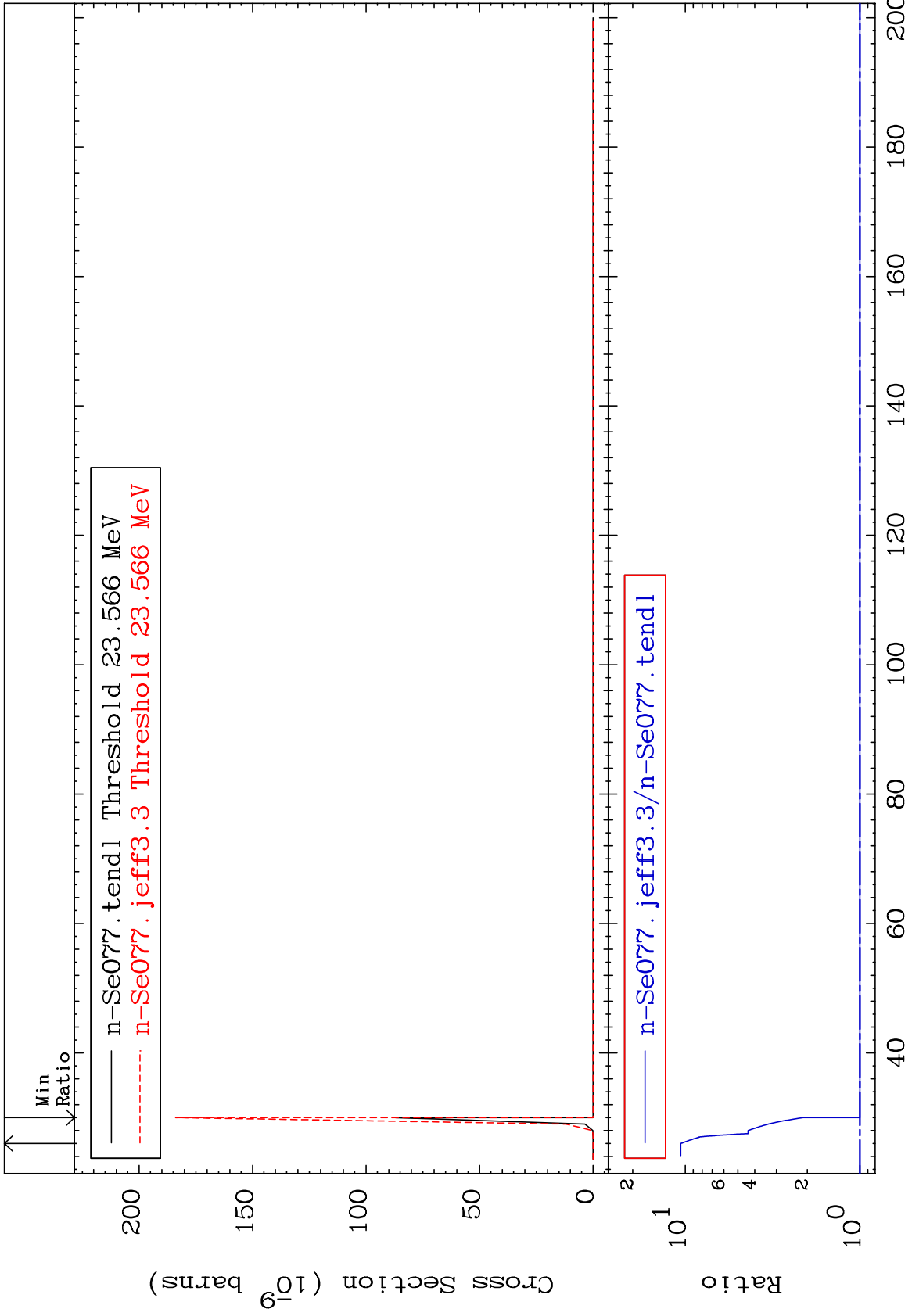
³⁴Se-77
-24.79 To 1685. %



MAT 3434

(n,3n) α
Cross Section

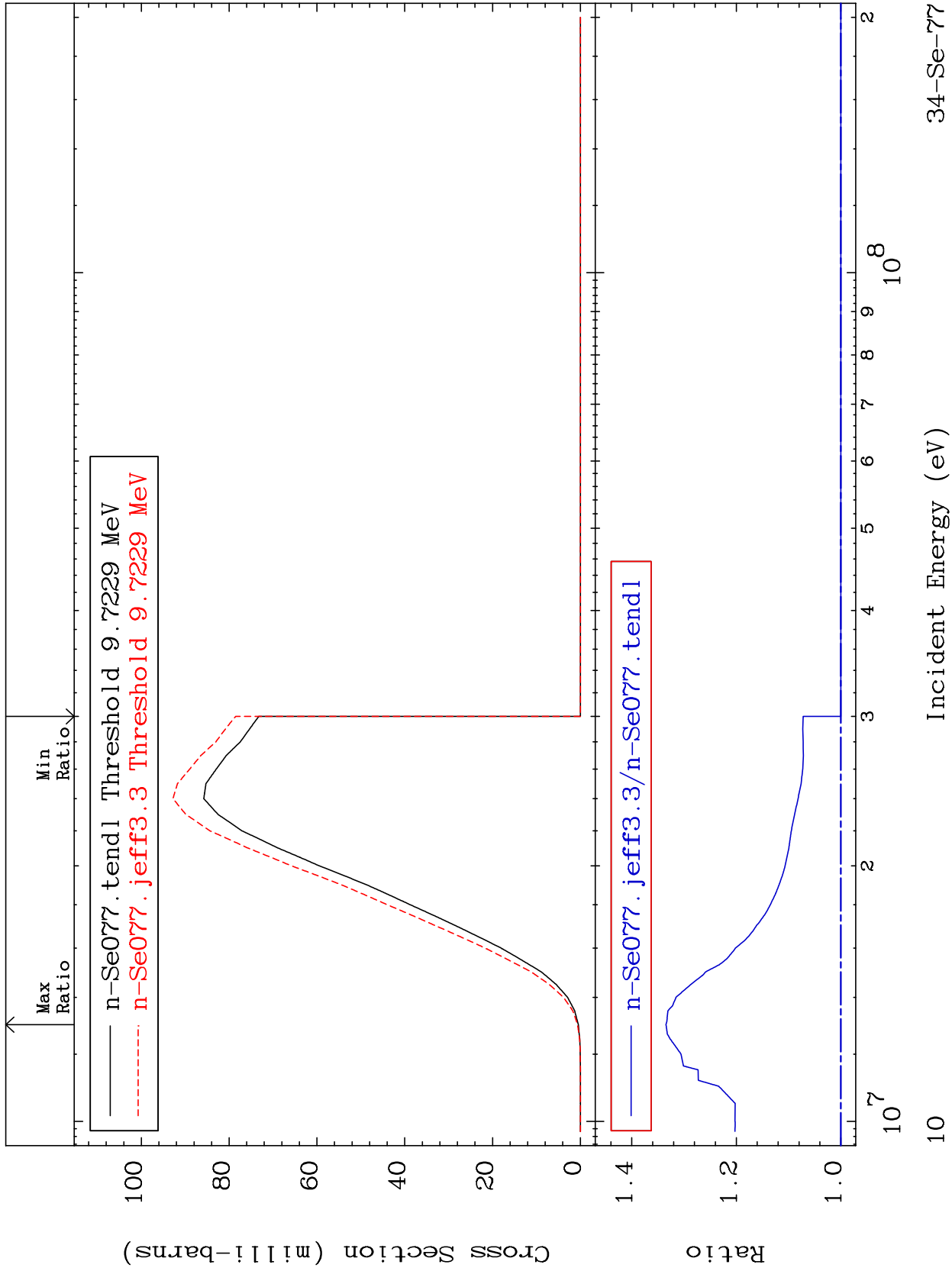
³⁴Se-77
0.000 To 960.6 %



MAT 3434

(n,n') p
Cross Section

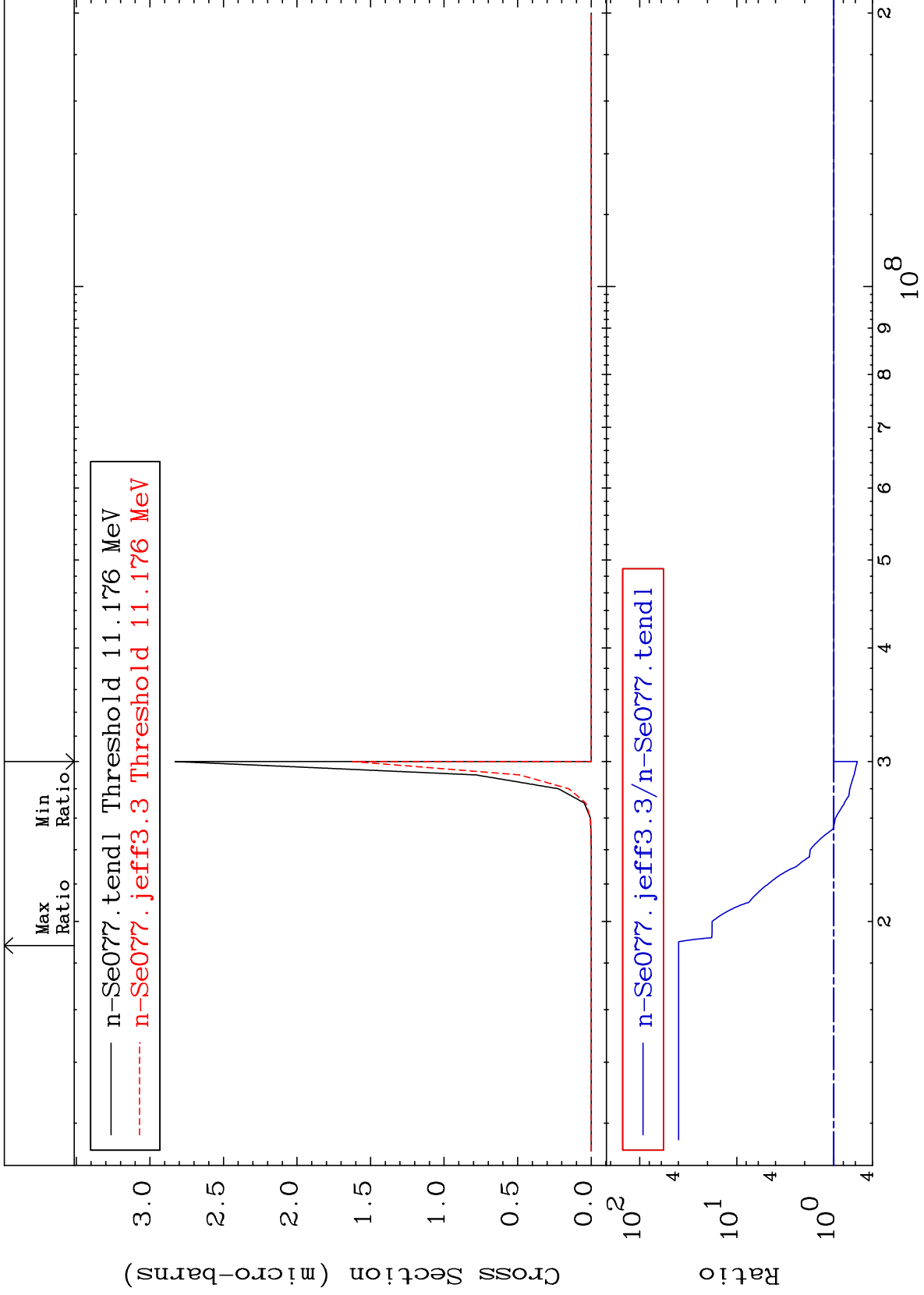
34-Se-77
0.000 To 33.46 %



MAT 3434

(n, n') 2 α
Cross Section

³⁴Se-77
-42.64 To 3876. %



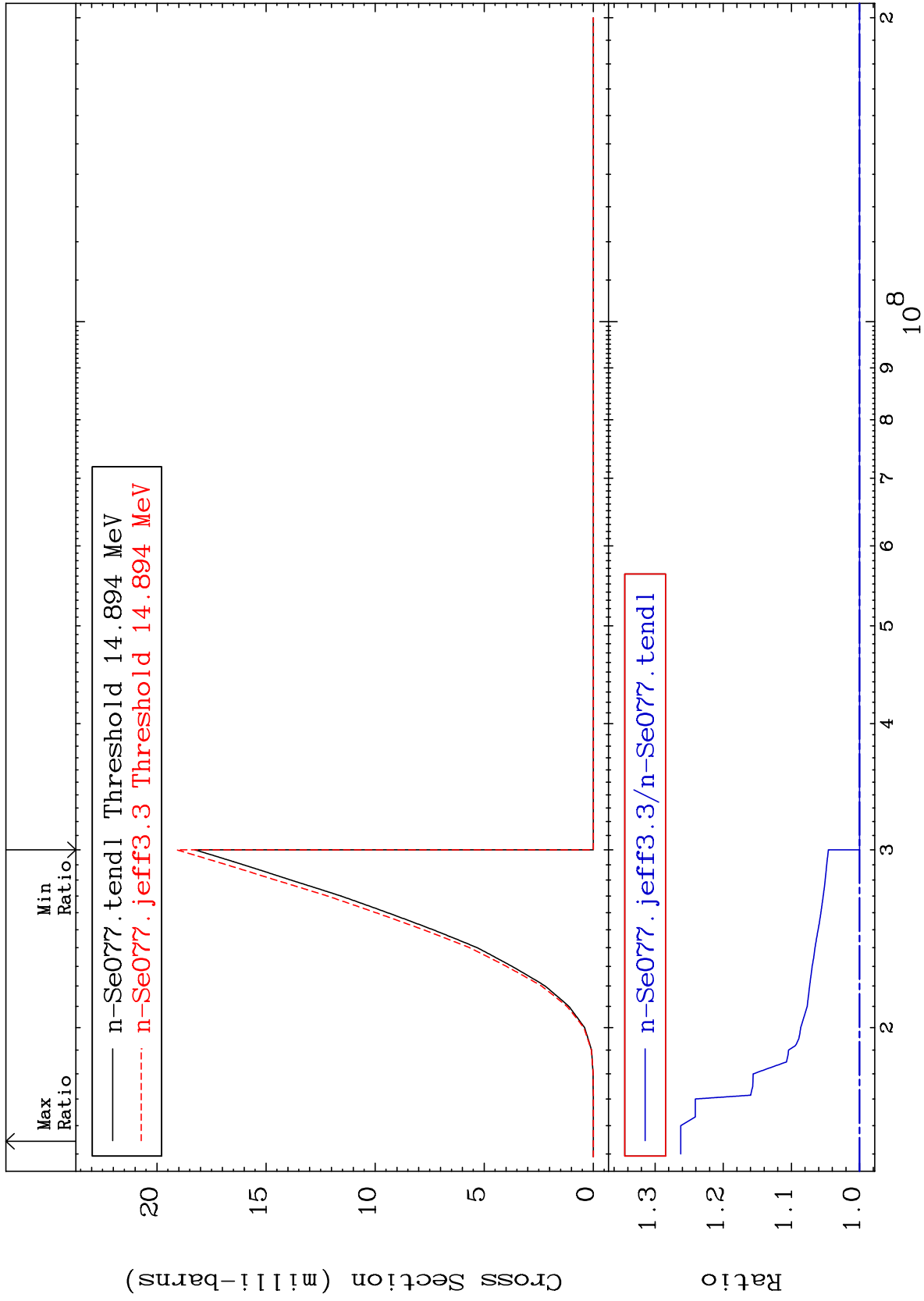
MAT 3434

(n,n') d

³⁴Se-77

Cross Section

0.000 To 26.22 %



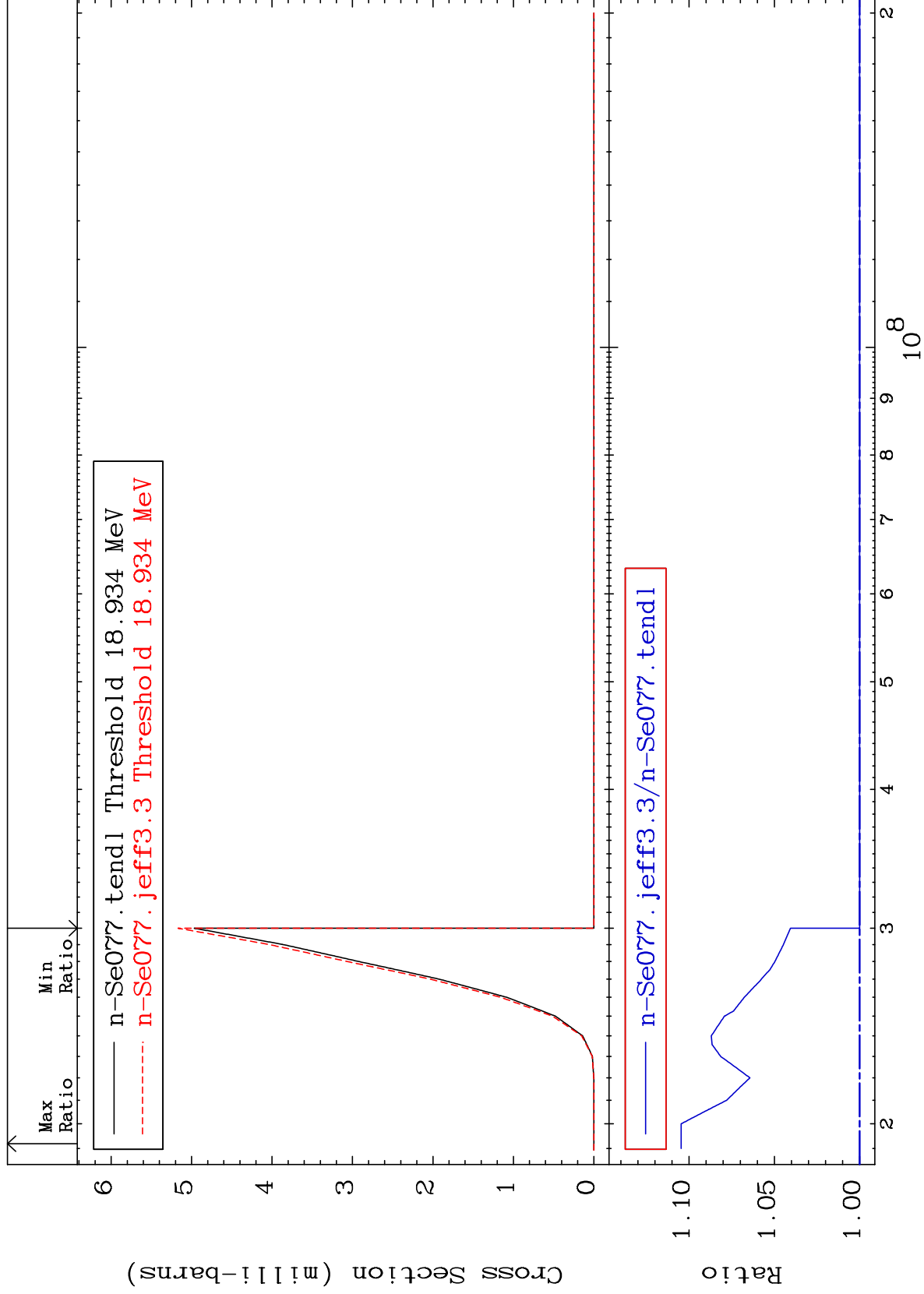
MAT 3434

(n,n') t

³⁴Se-77

Cross Section

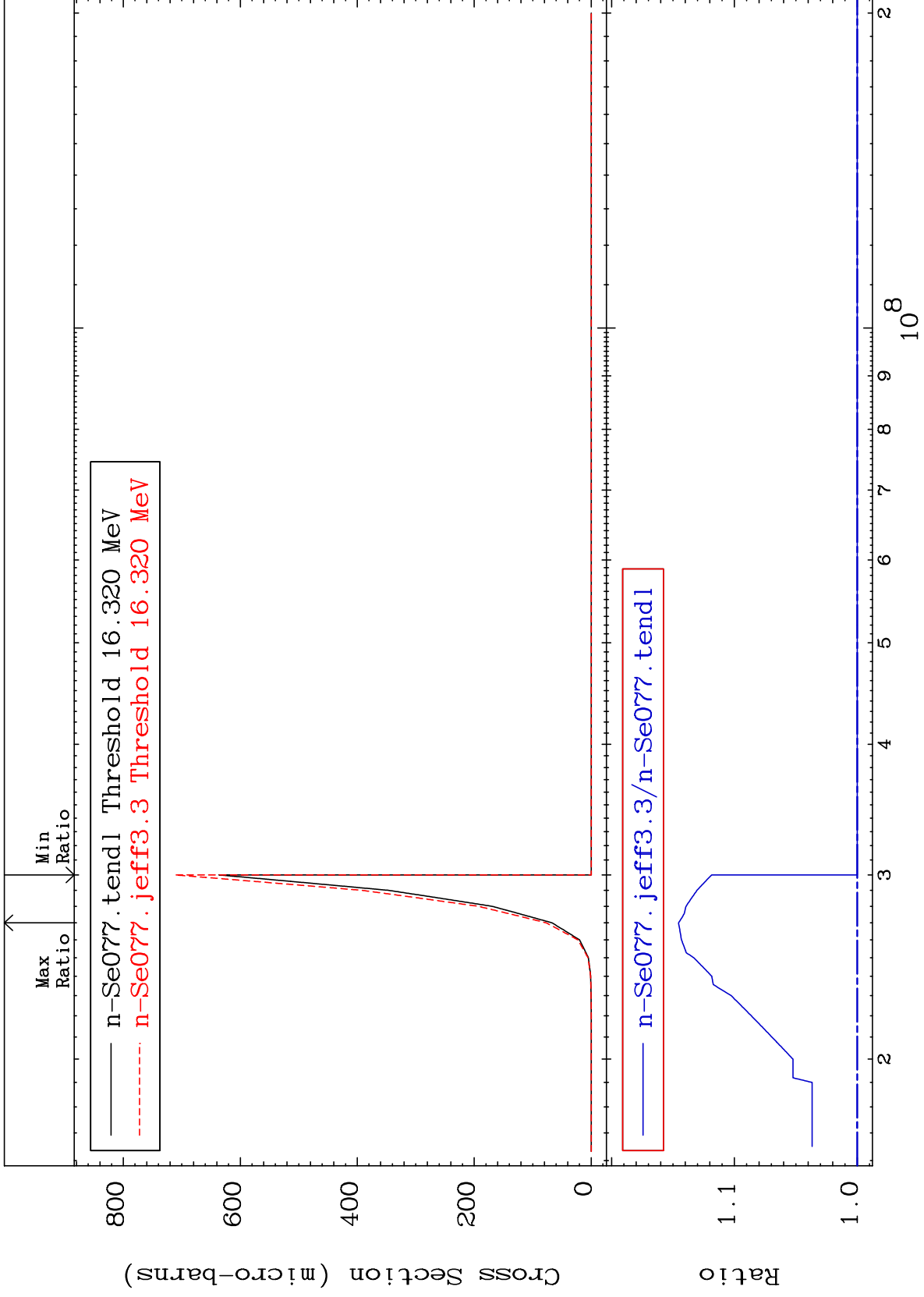
0.000 To 10.46 %



MAT 3434

(n, n') He-3
Cross Section

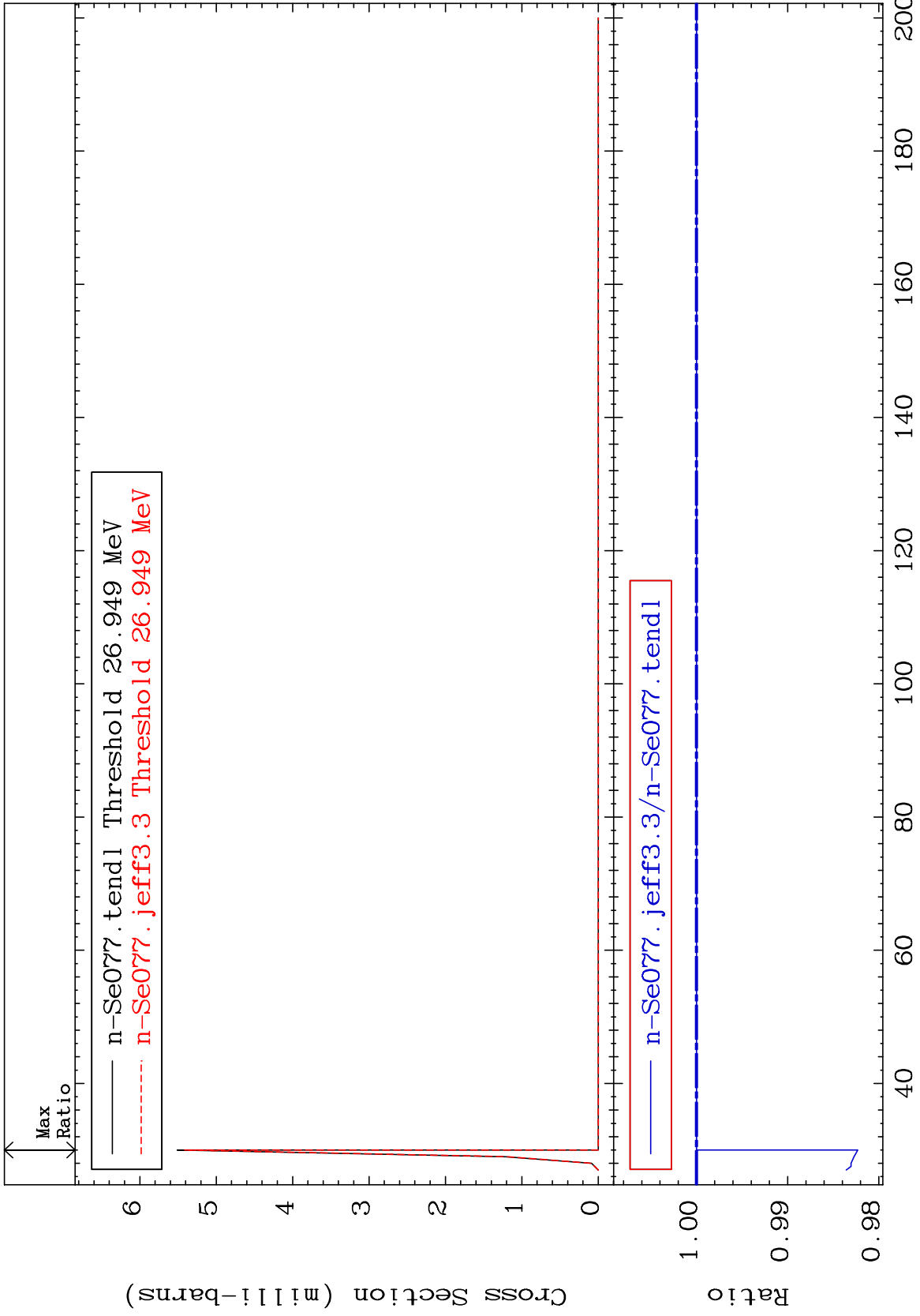
³⁴Se-77
To 14.54 %
0.000



MAT 3434

(n,4n)
Cross Section

³⁴Se-77
-1.768 To 0.000 %



15

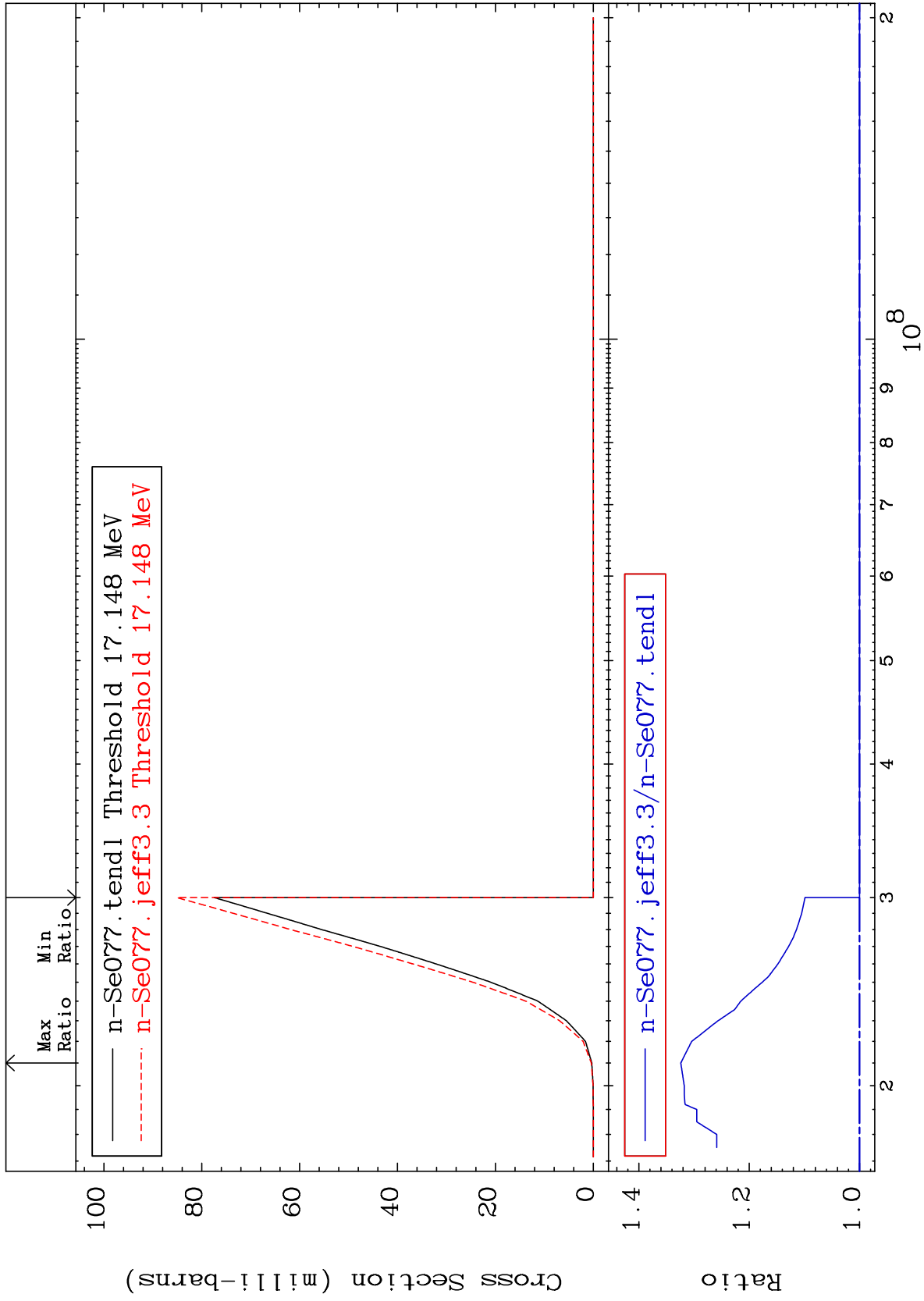
Incident Energy (MeV)

³⁴Se-77

MAT 3434

(n,2n) p
Cross Section

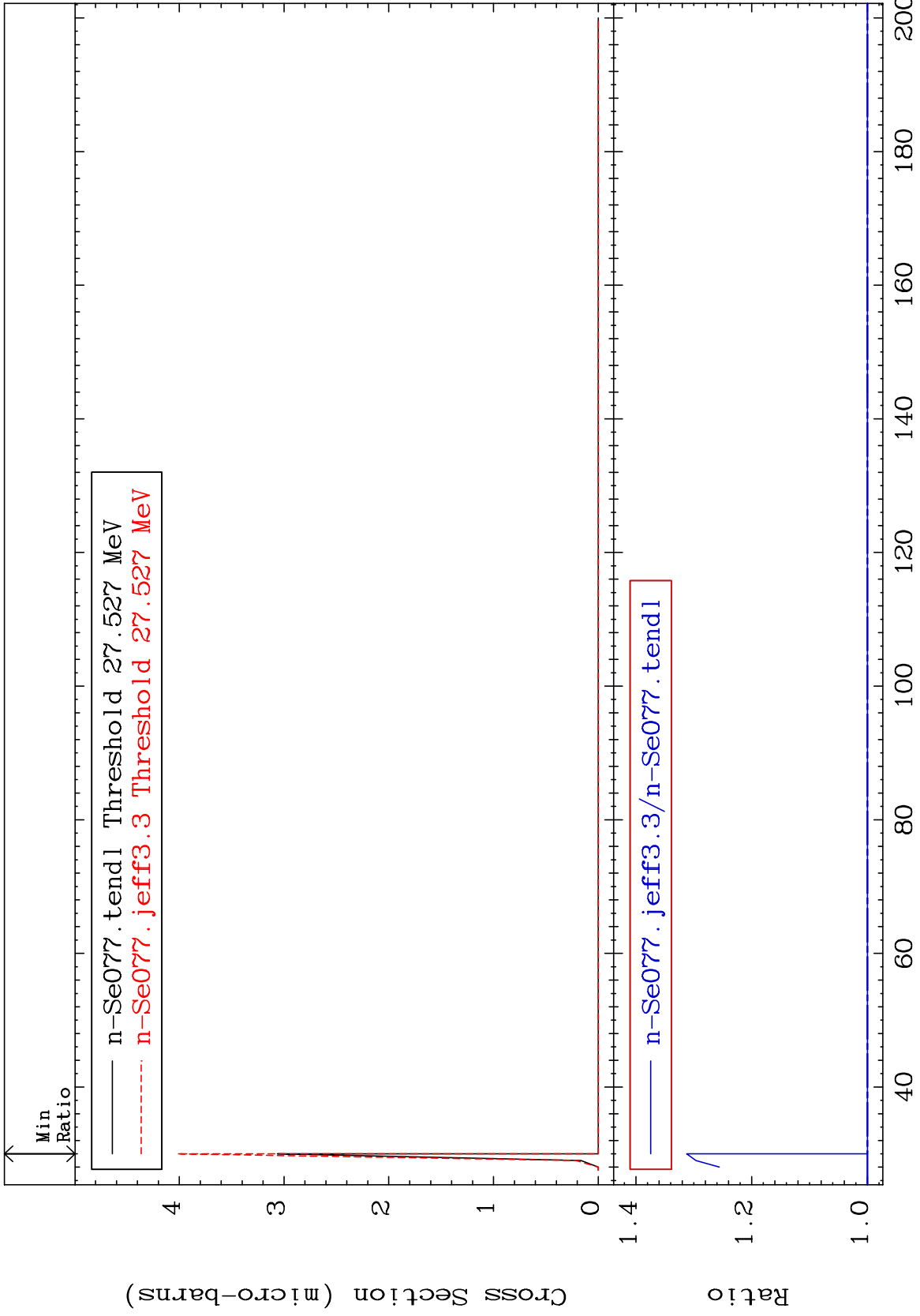
³⁴Se-77
To 32.41 %
0.000



MAT 3434

(n,3n) p
Cross Section

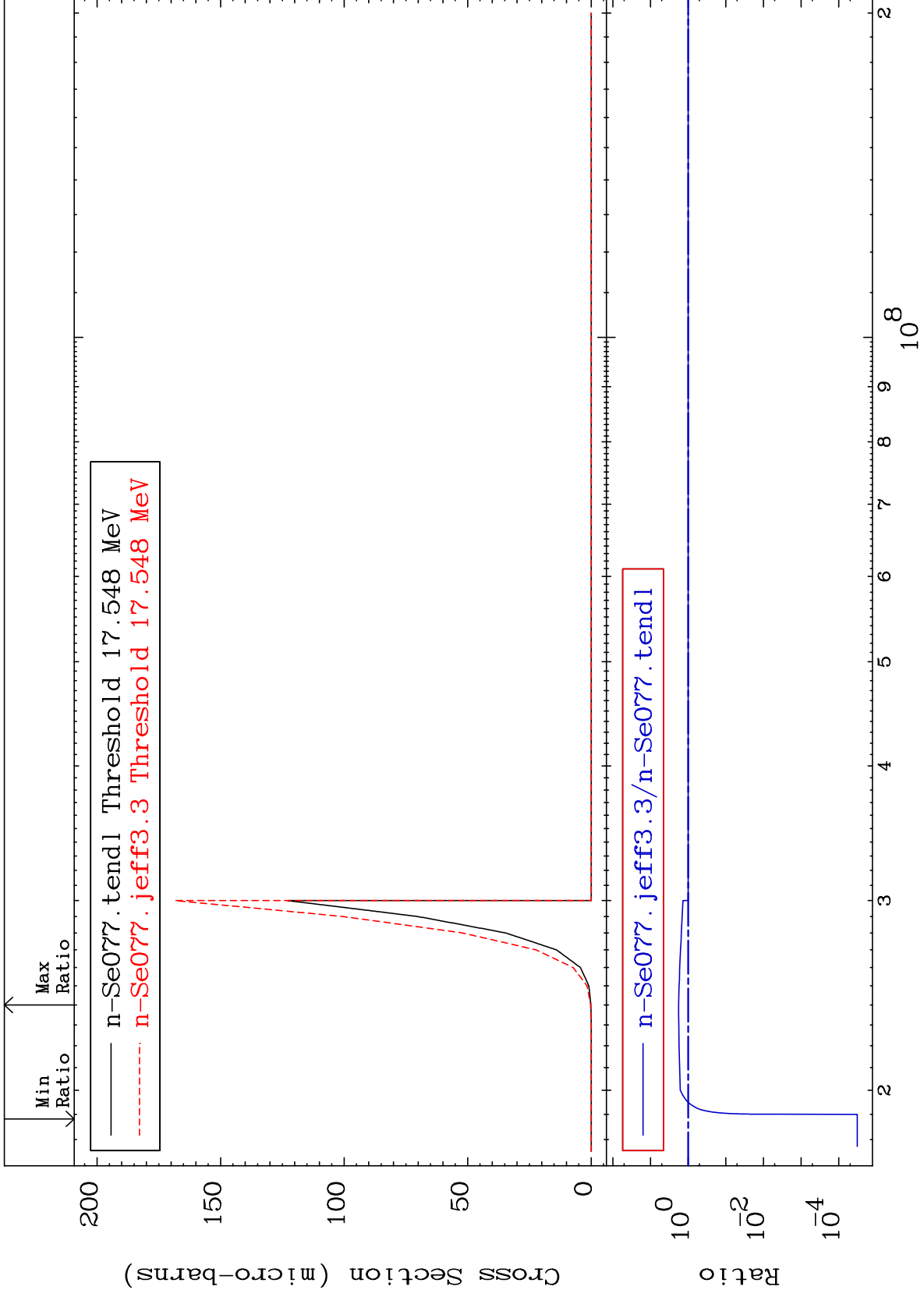
³⁴Se-77
0.000 To 31.24 %

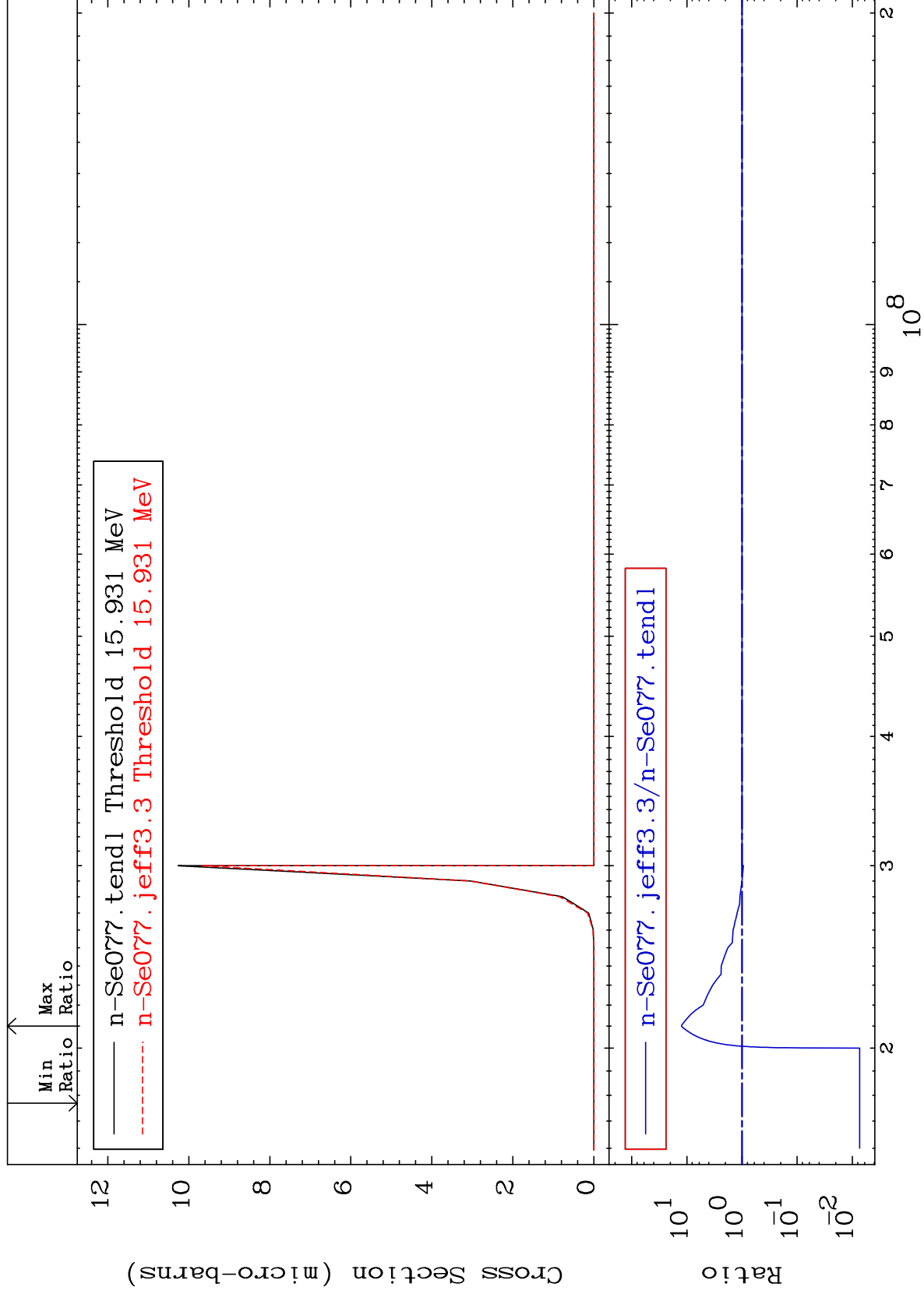


MAT 3434

(n,2n) p
Cross Section

³⁴Se-77
-100.0 To 78.28 %

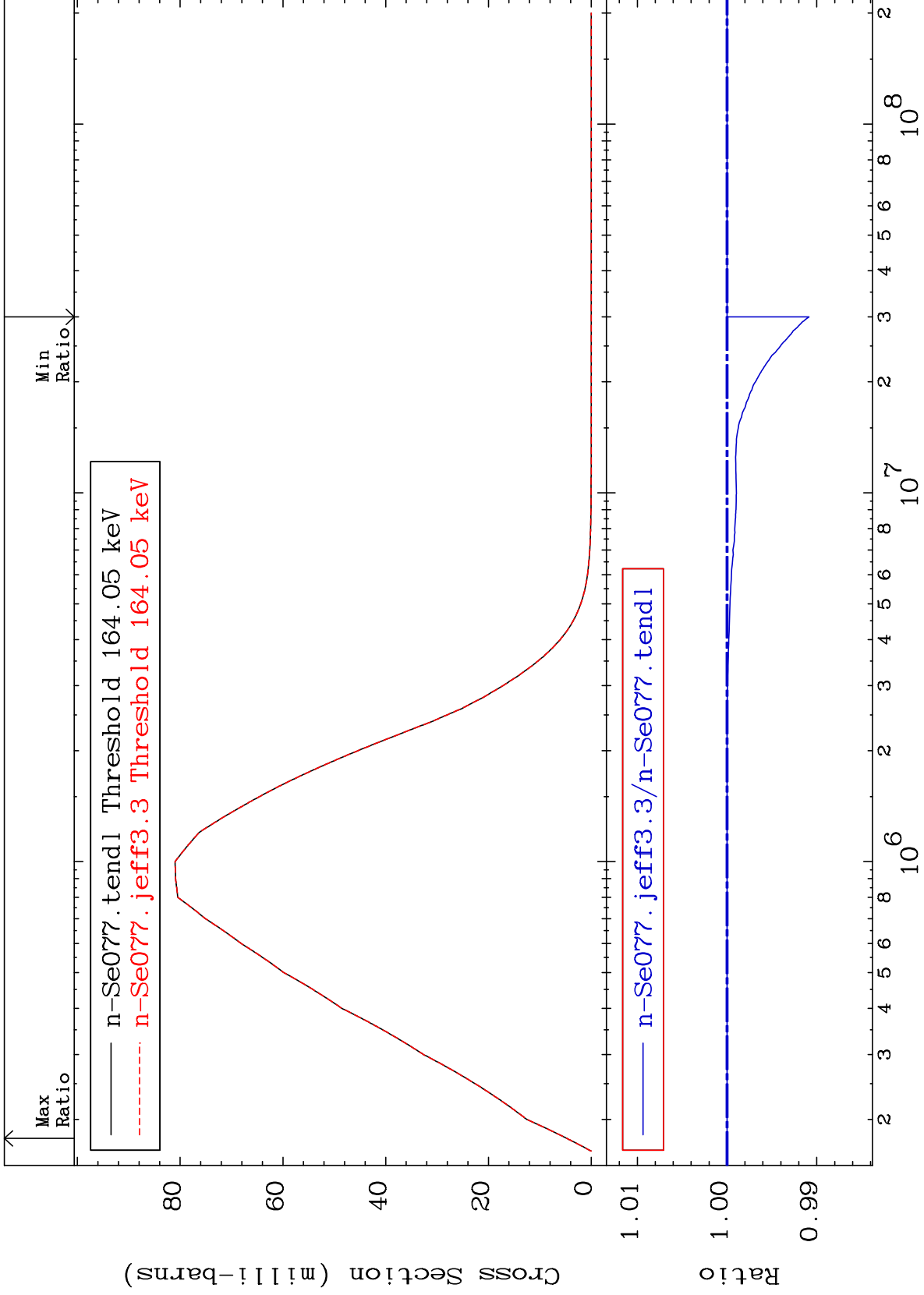




MAT 3434

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

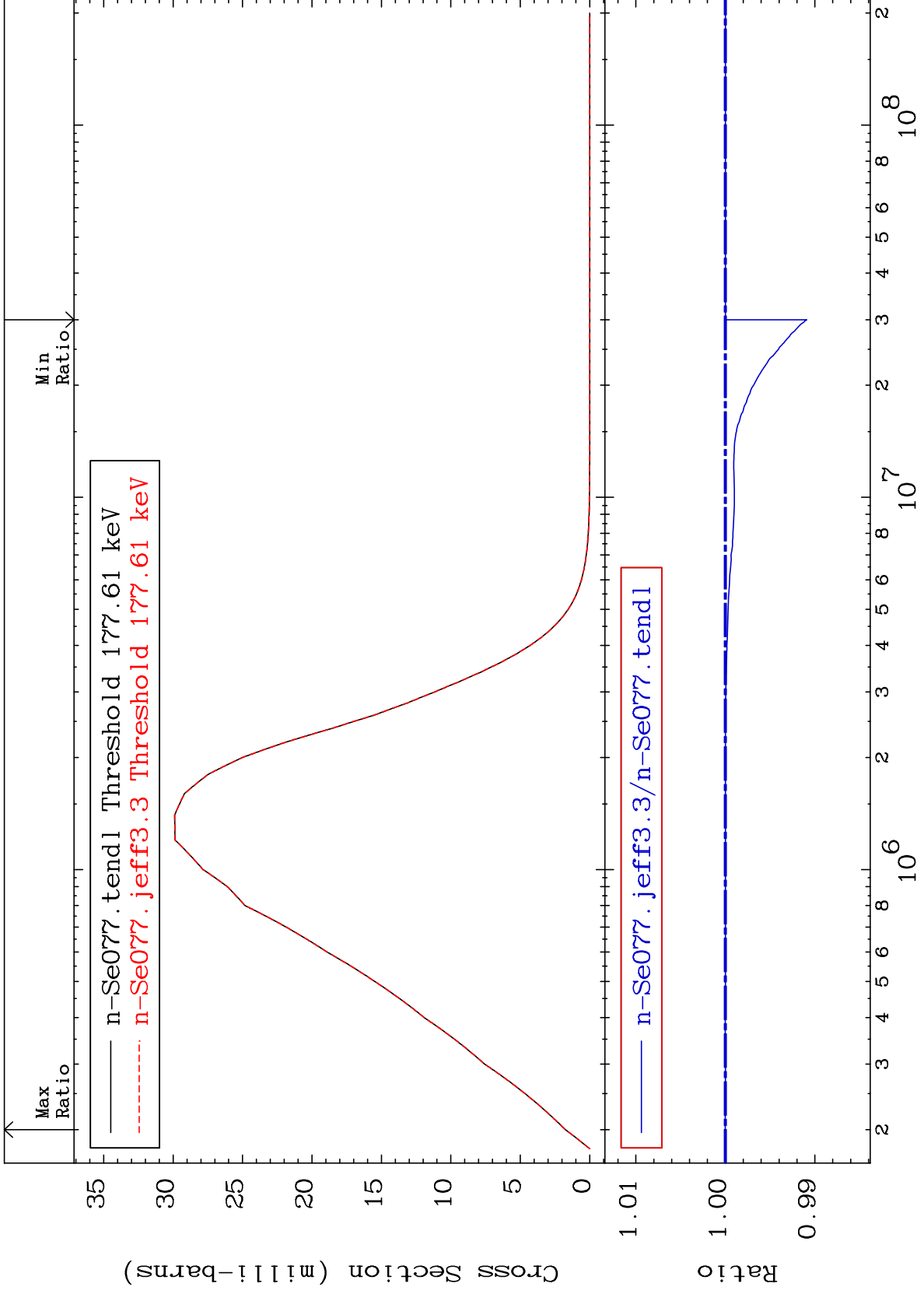
³⁴Se-77
-0.913 To 0.000 %



MAT 3434

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

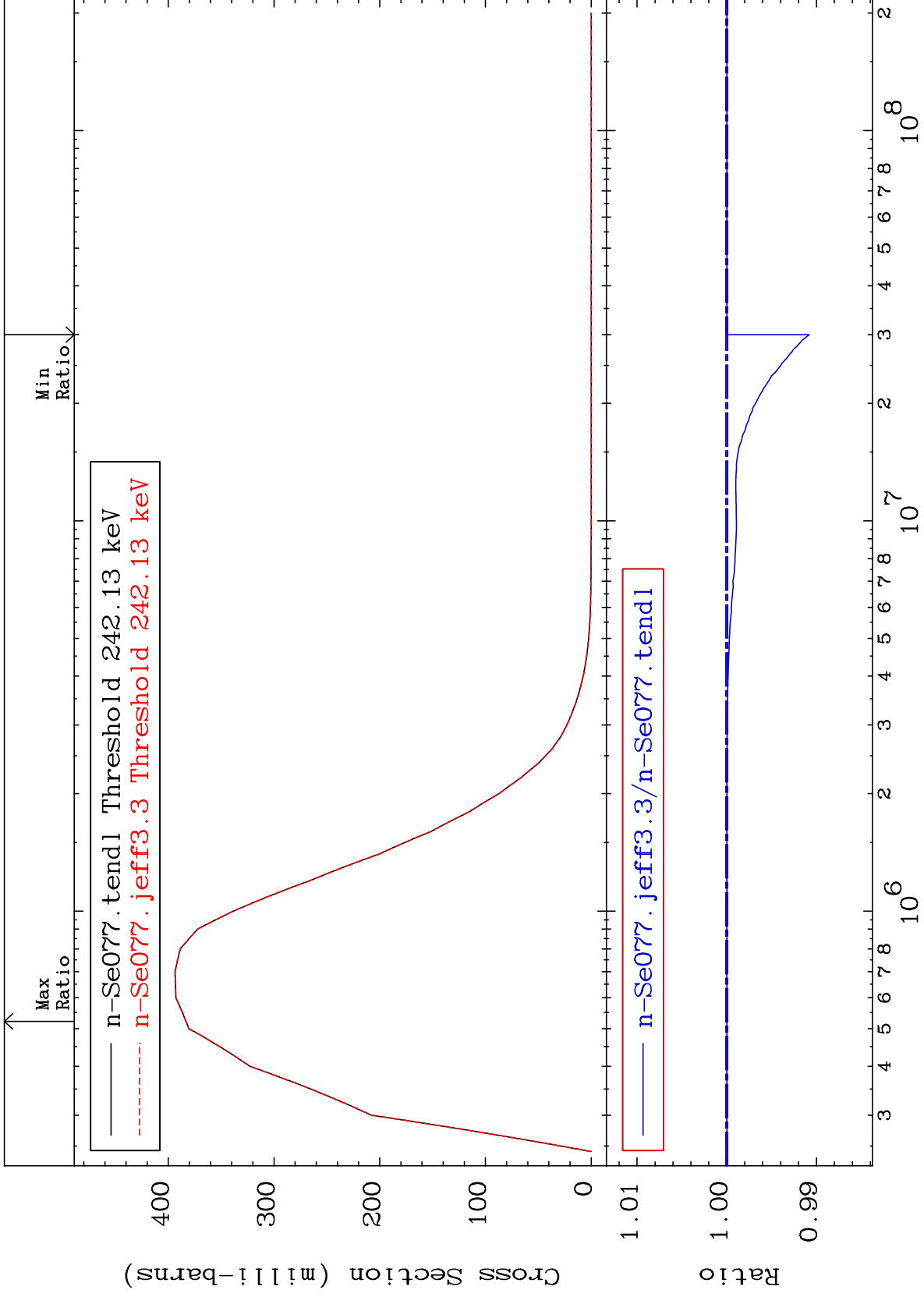
³⁴Se-77
-0.910 To 0.001 %



MAT 3434

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

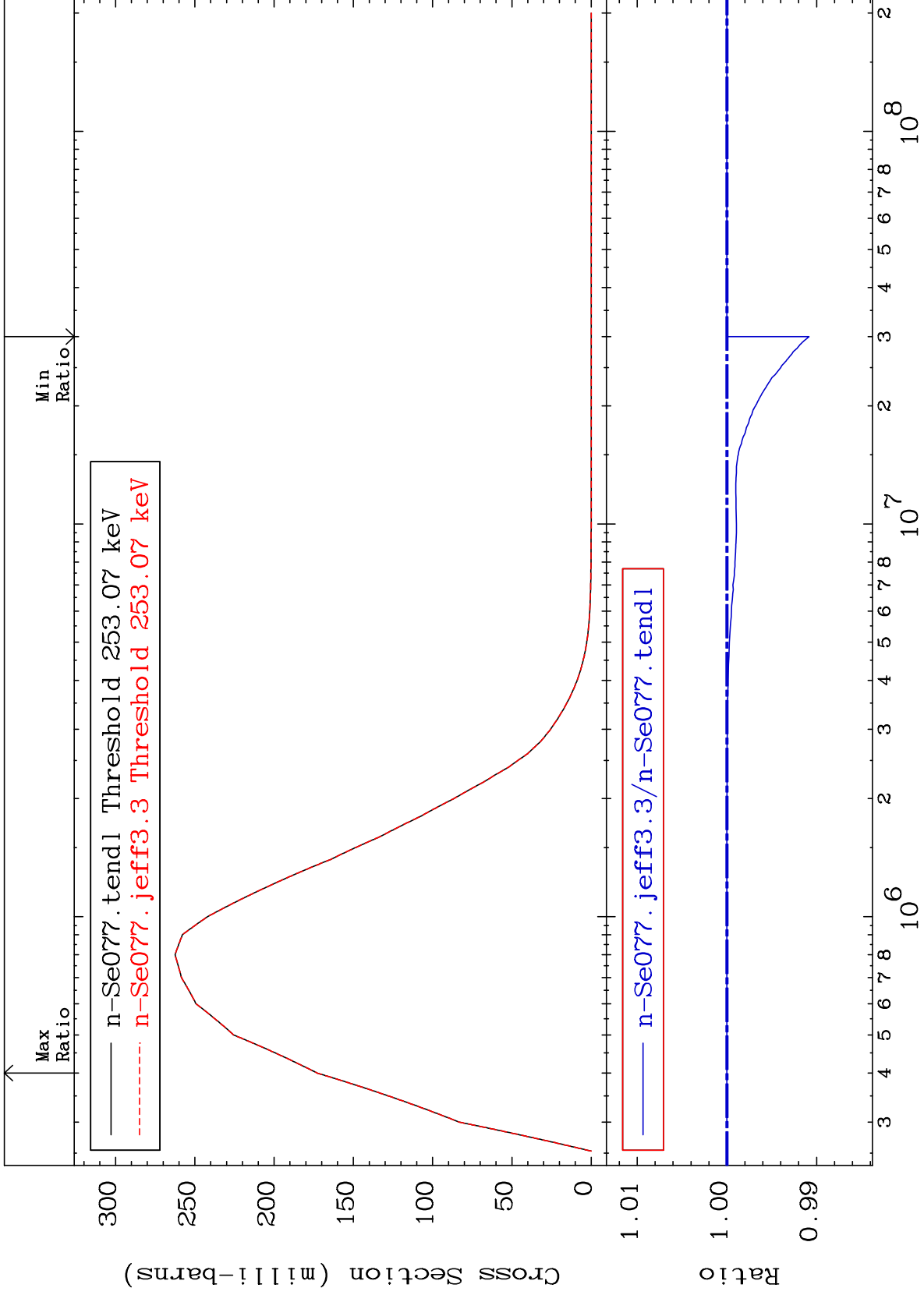
³⁴Se-77
-0.918 To 0.000 %



MAT 3434

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

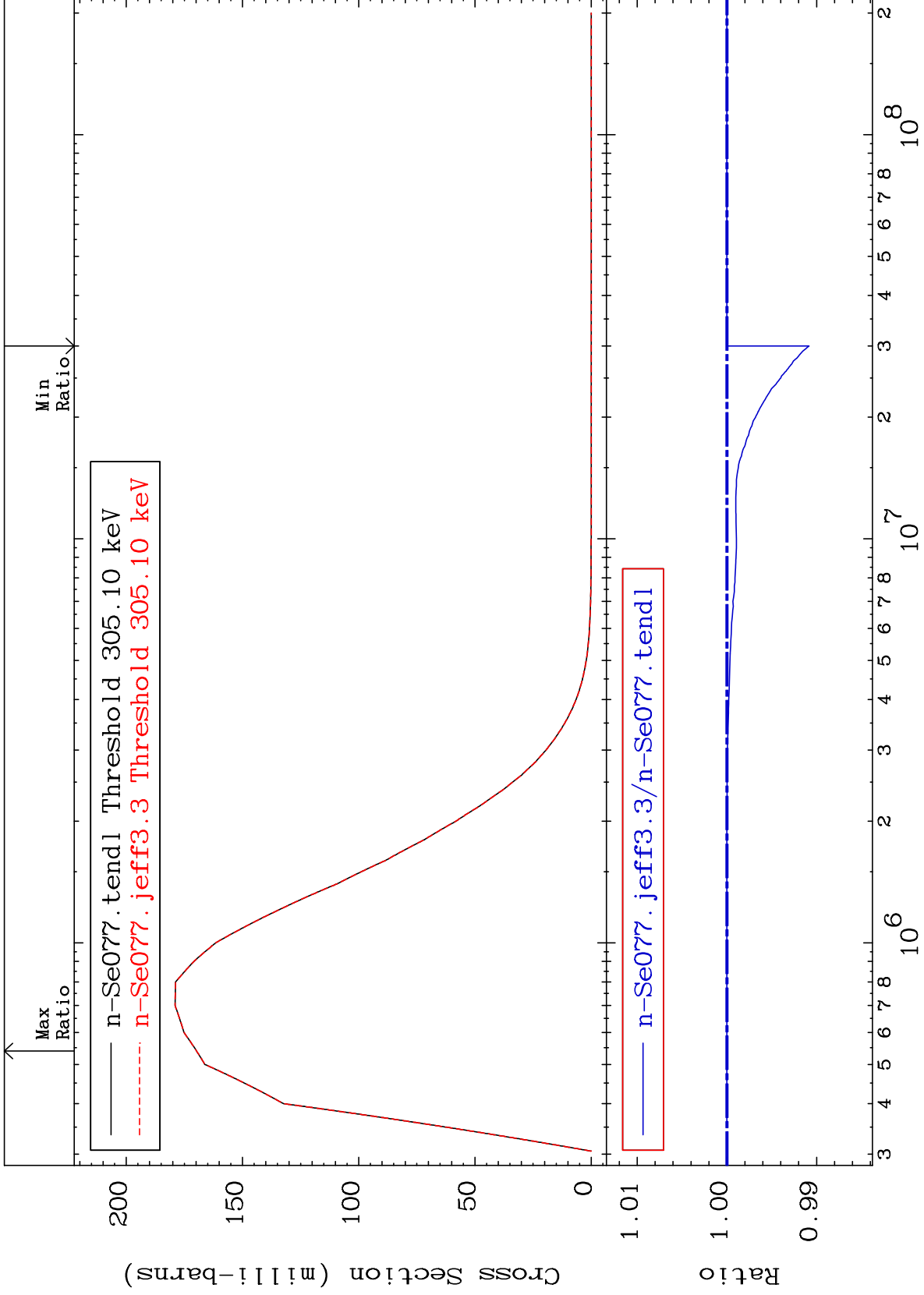
³⁴Se-77
-0.915 To 0.000 %



MAT 3434

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

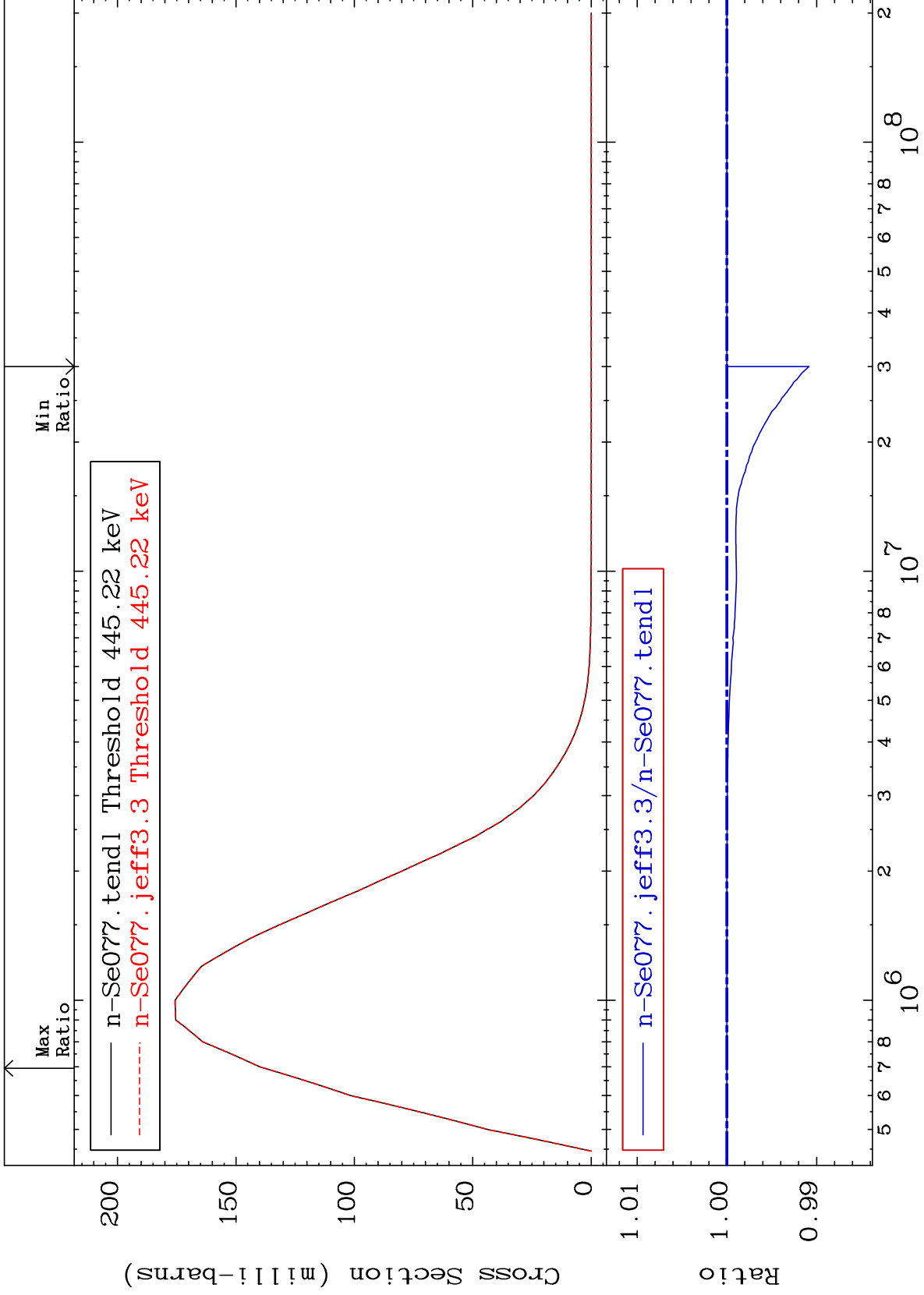
³⁴Se-77
-0.915 To 0.000 %



MAT 3434

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

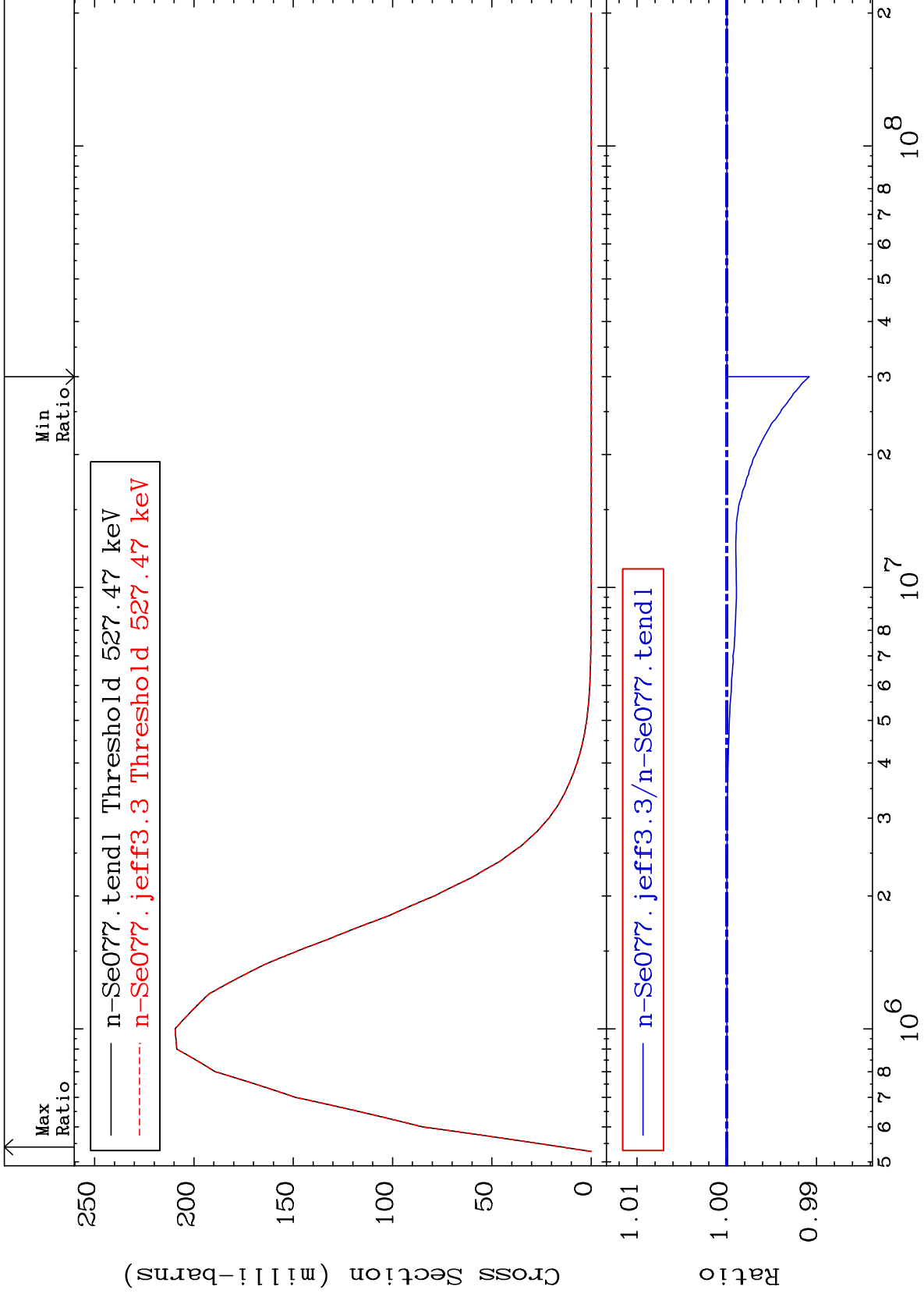
³⁴Se-77
-0.915 To 0.000 %



MAT 3434

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

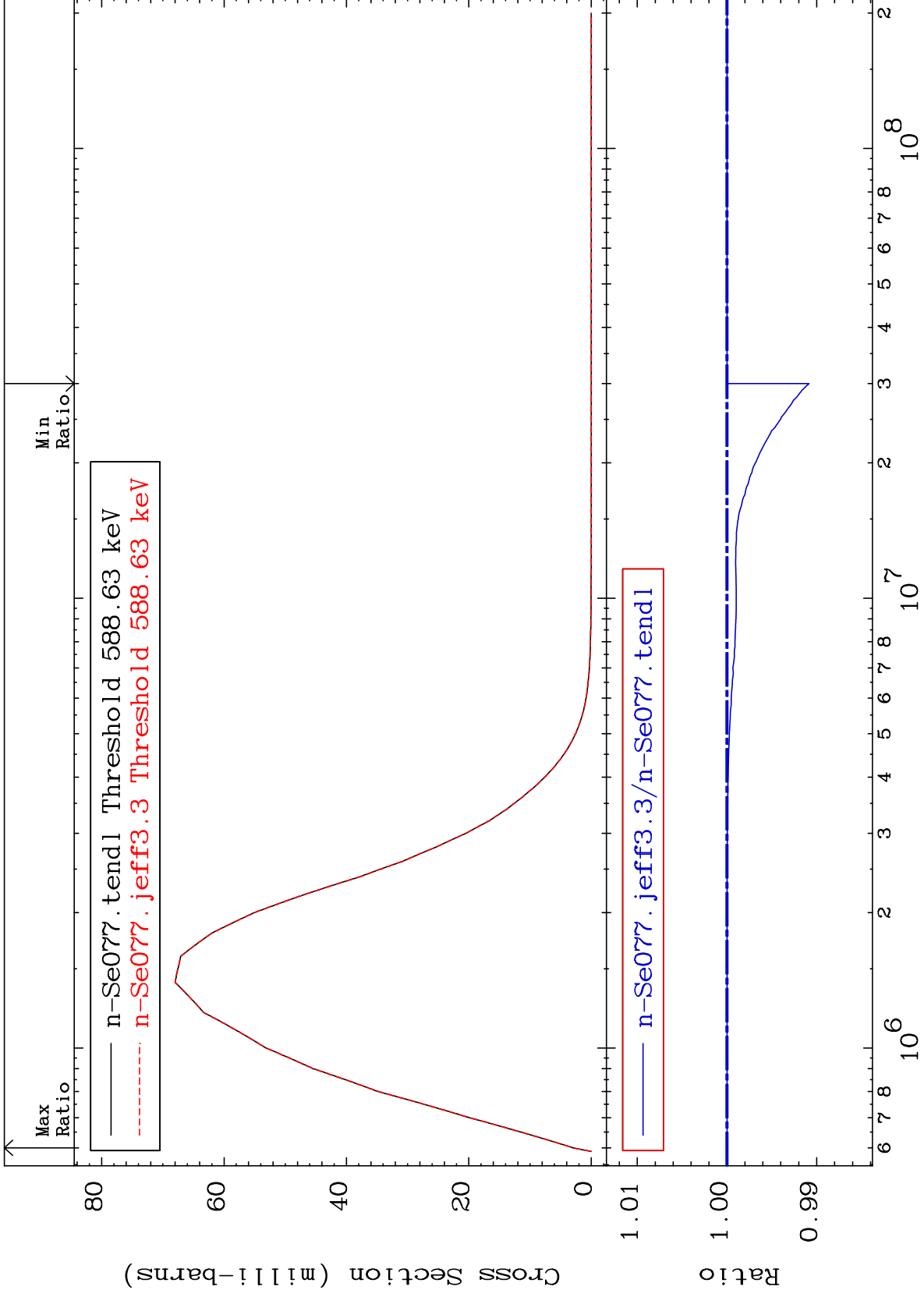
³⁴Se-77
-0.918 To 0.000 %



MAT 3434

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

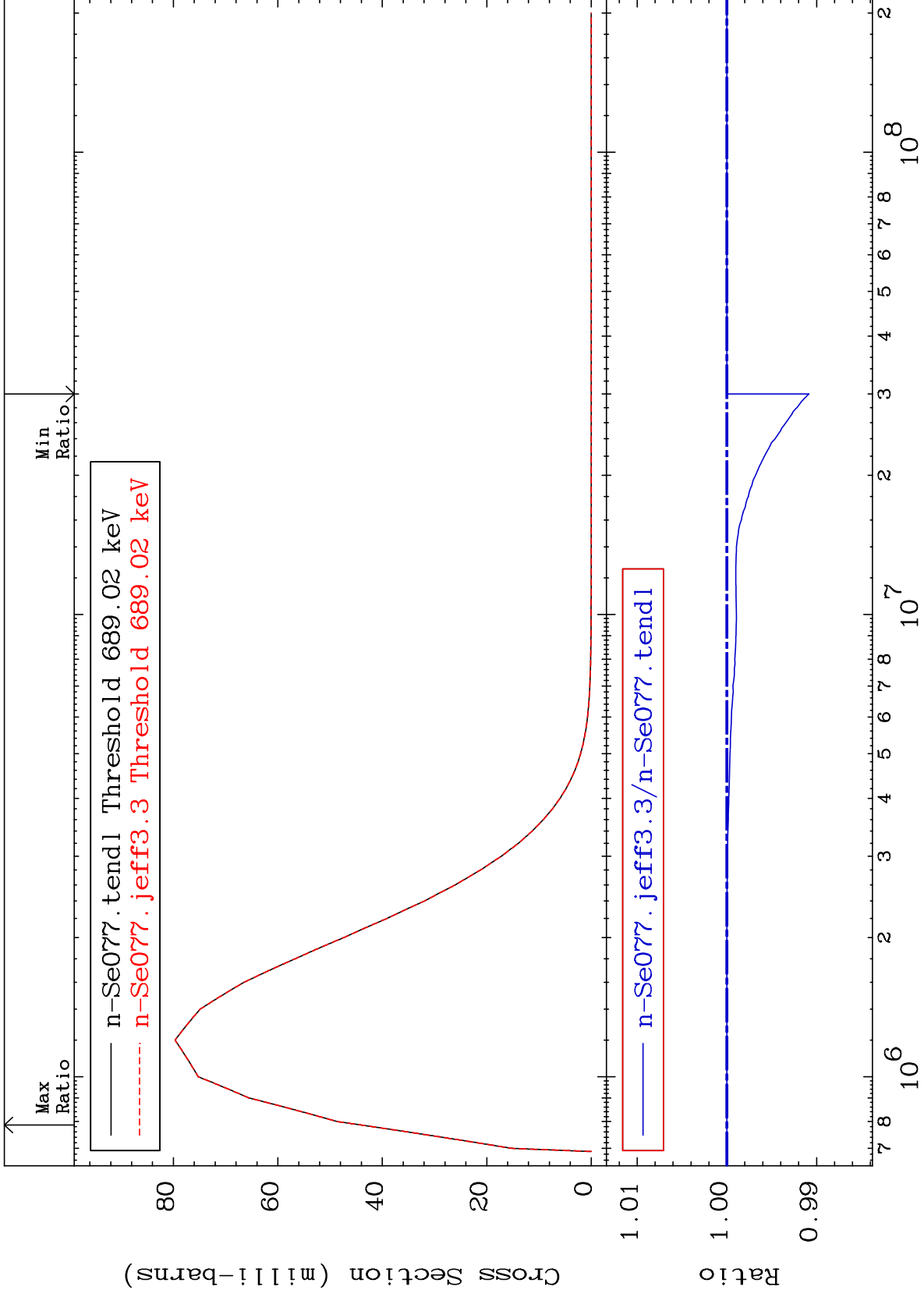
³⁴Se-77
-0.913 To 0.000 %



MAT 3434

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

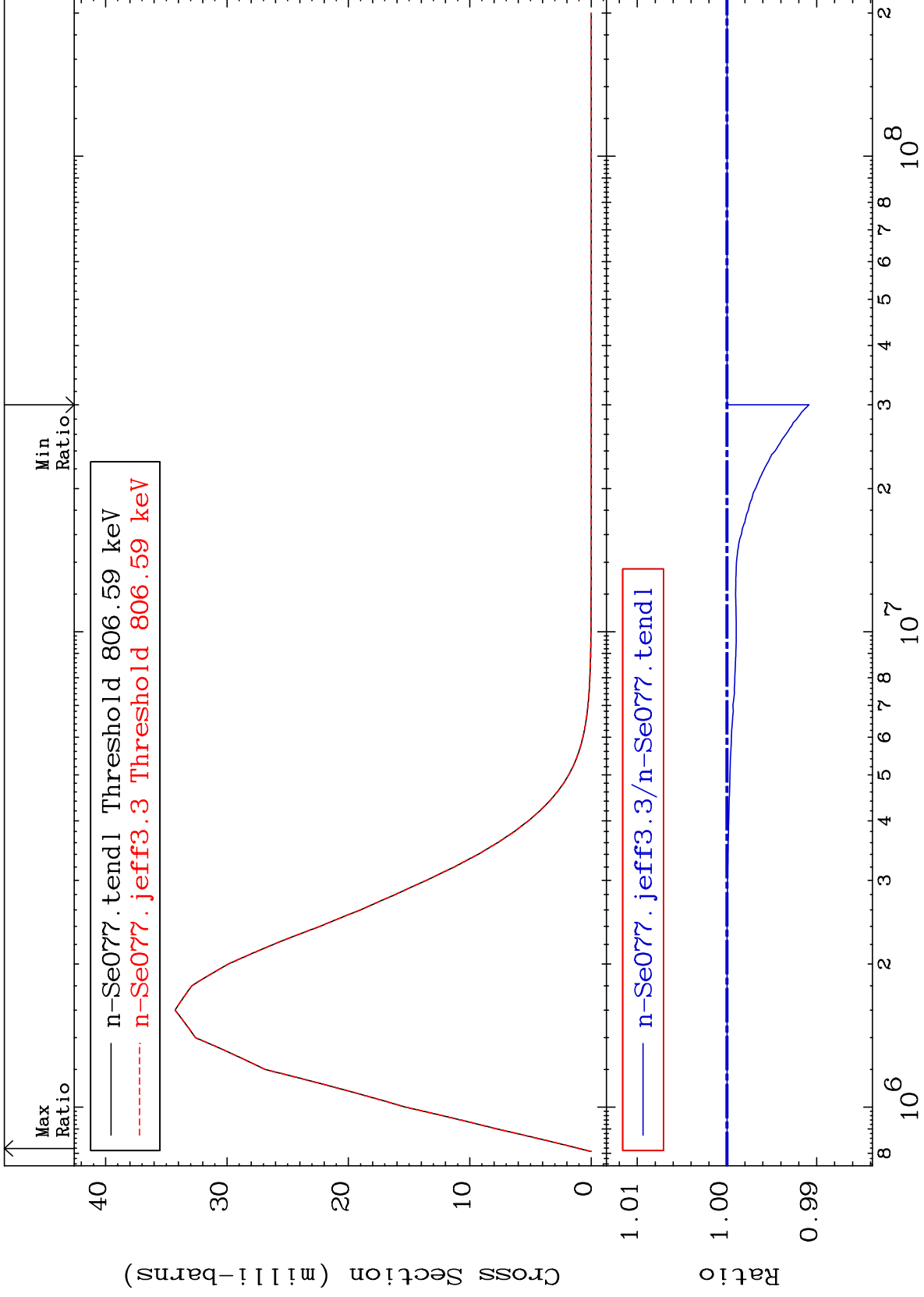
³⁴Se-77
-0.916 To 0.000 %



MAT 3434

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

³⁴Se-77
-0.913 To 0.000 %



29

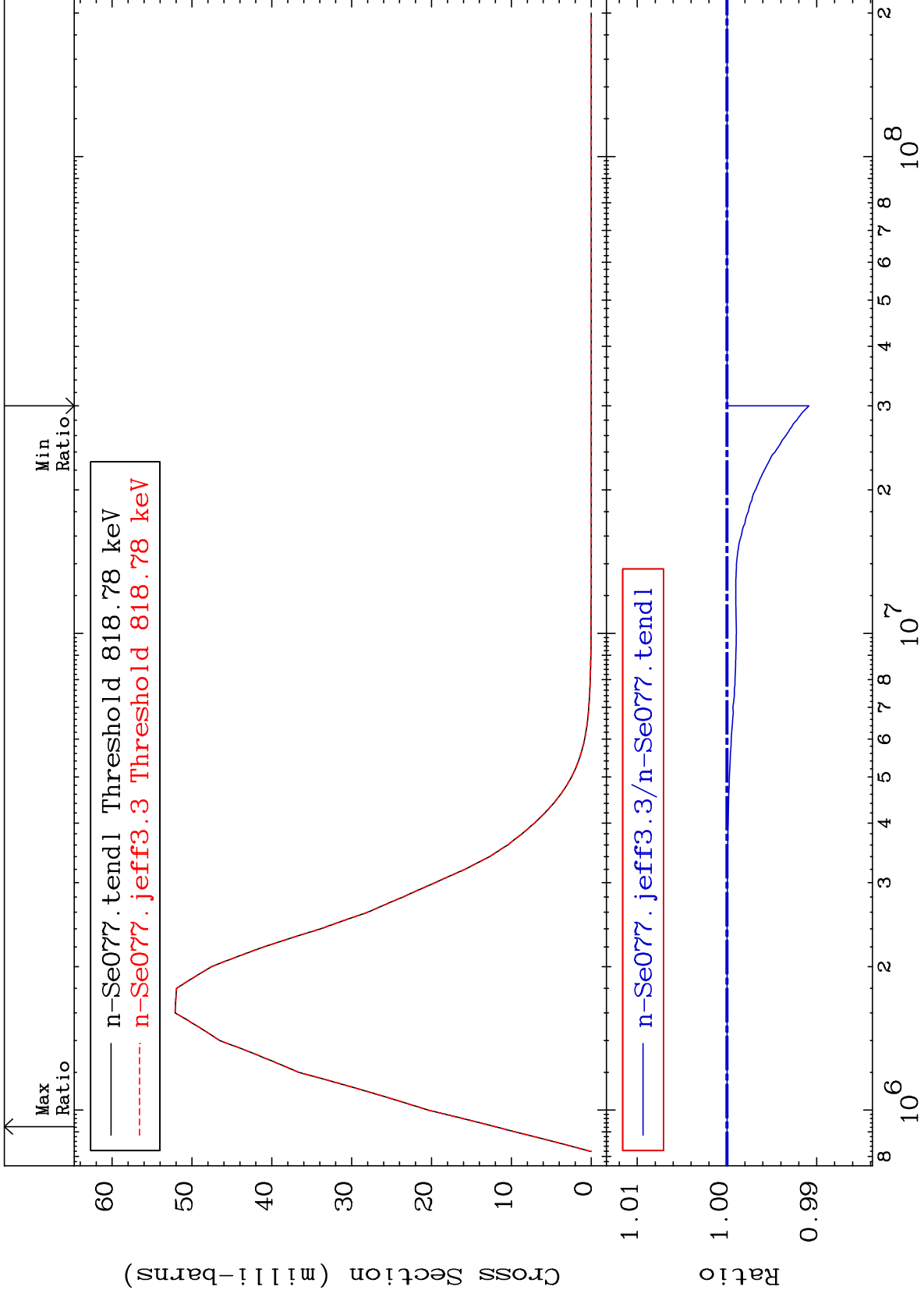
Incident Energy (eV)

³⁴Se-77

MAT 3434

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

³⁴Se-77
-0.913 To 0.000 %



30

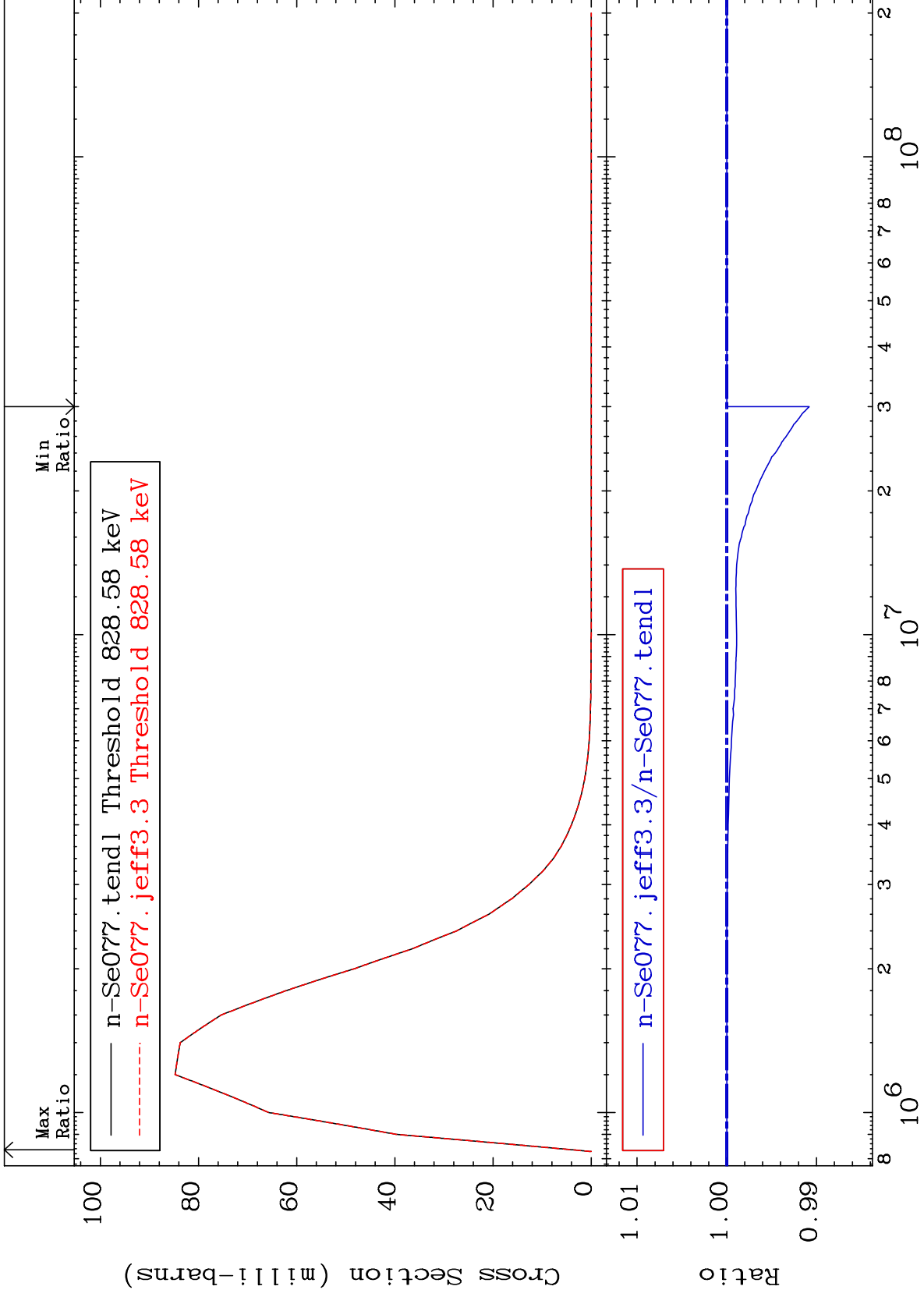
Incident Energy (eV)

³⁴Se-77

MAT 3434

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

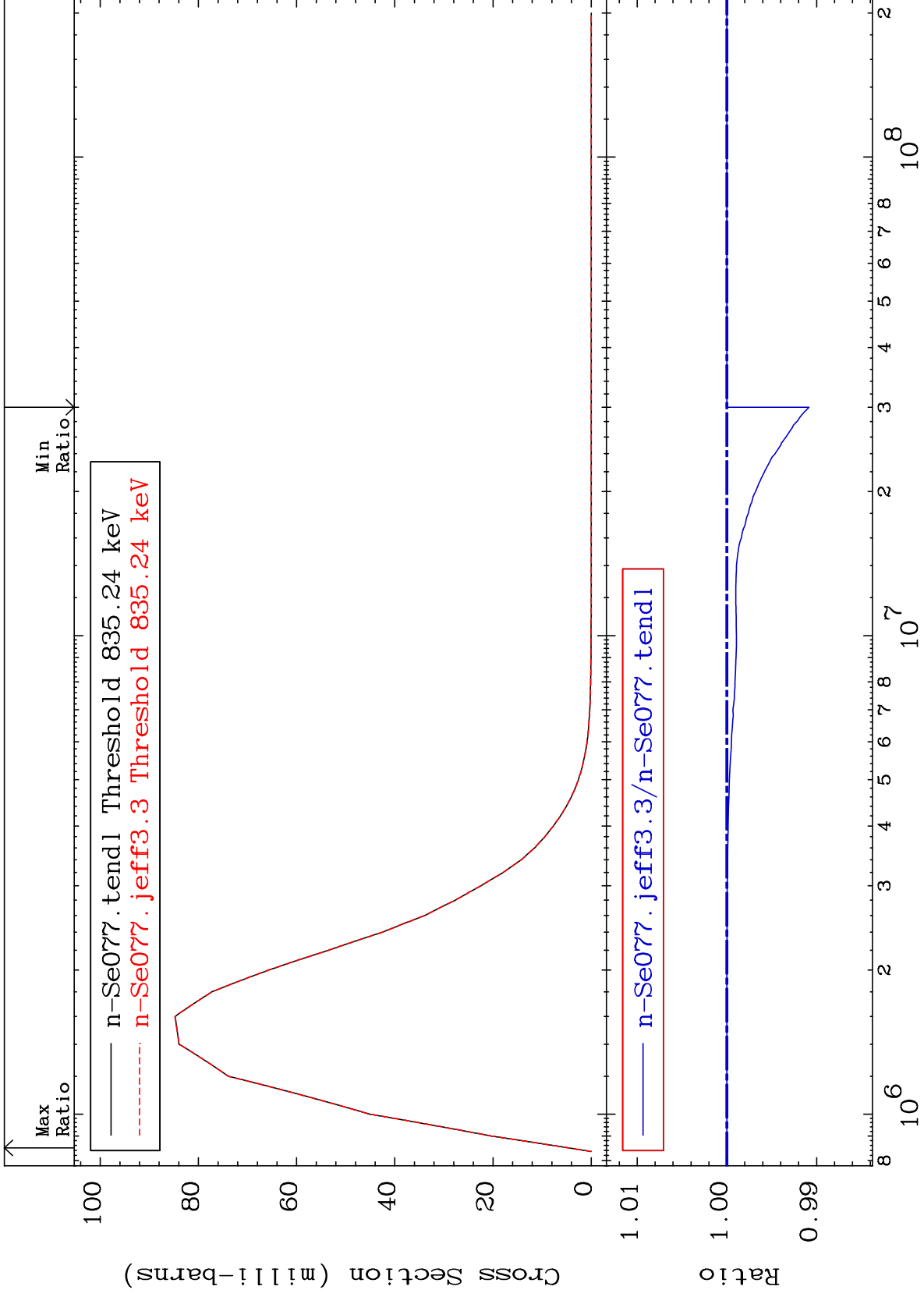
³⁴Se-77
-0.918 To 0.000 %



MAT 3434

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

³⁴Se-77
-0.915 To 0.000 %



32

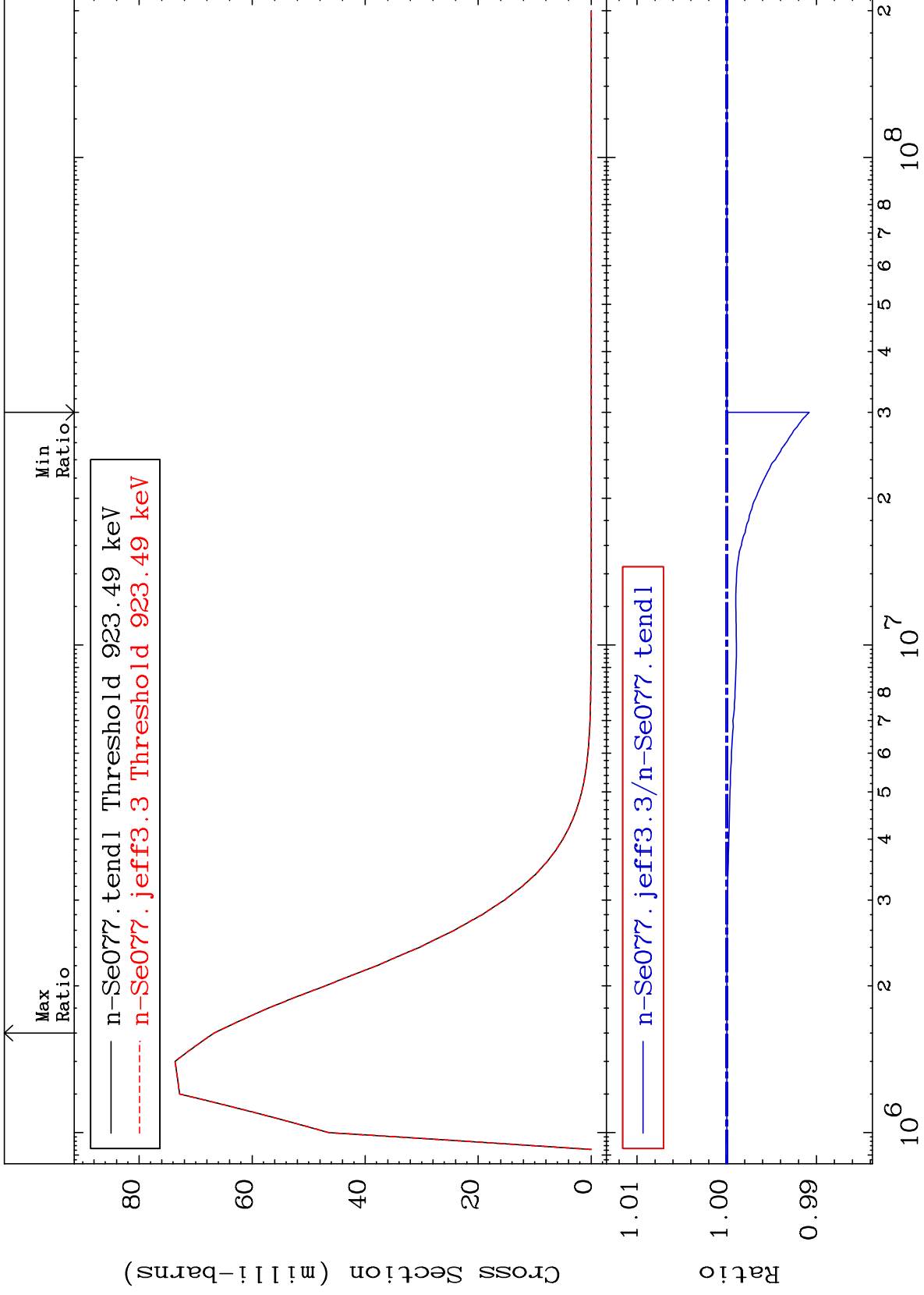
Incident Energy (eV)

³⁴Se-77

MAT 3434

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

³⁴Se-77
-0.918 To 0.000 %



33

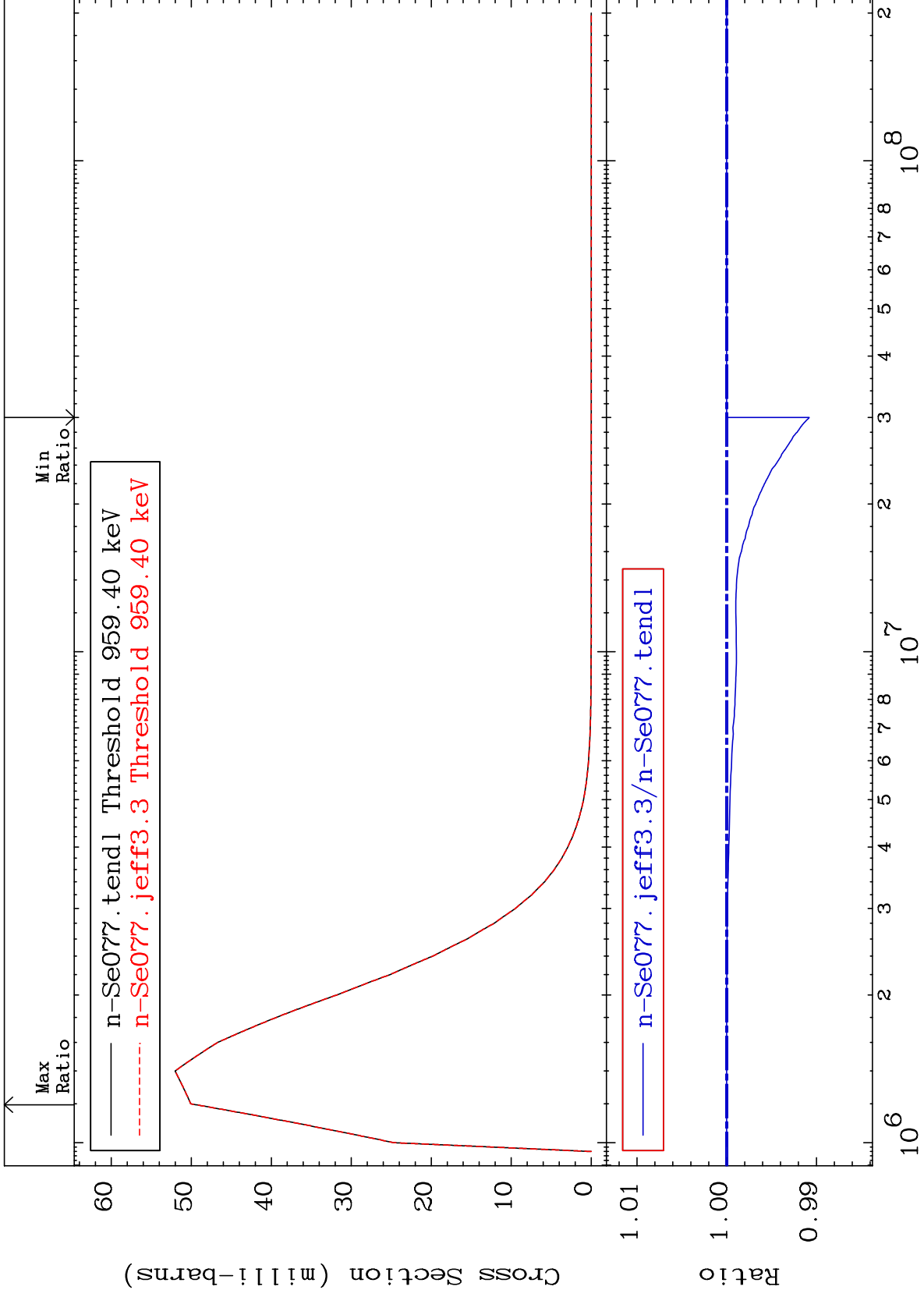
Incident Energy (eV)

³⁴Se-77

MAT 3434

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

³⁴Se-77
-0.920 To 0.000 %



34

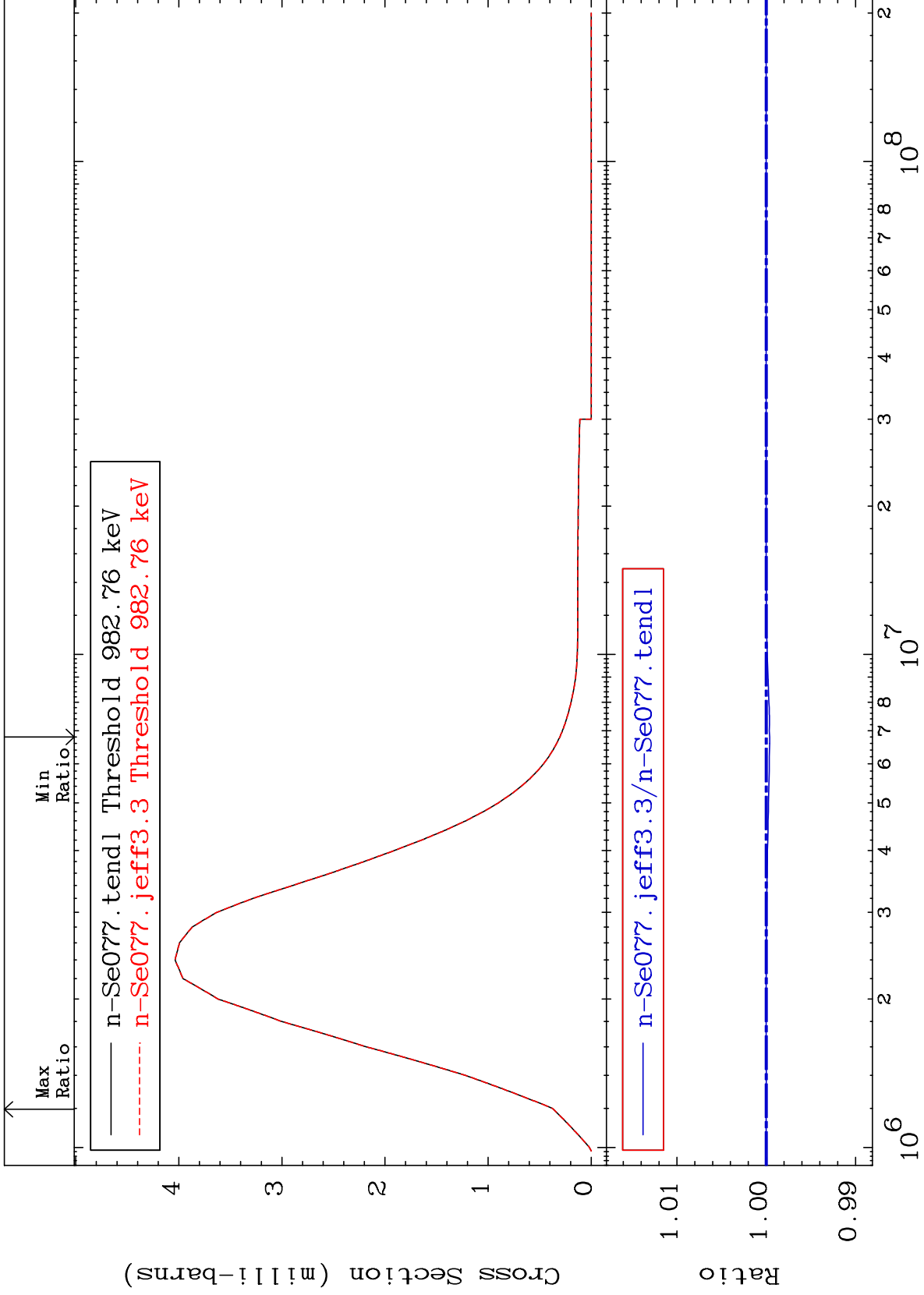
Incident Energy (eV)

³⁴Se-77

MAT 3434

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

³⁴Se-77
-0.039 To 0.000 %



35

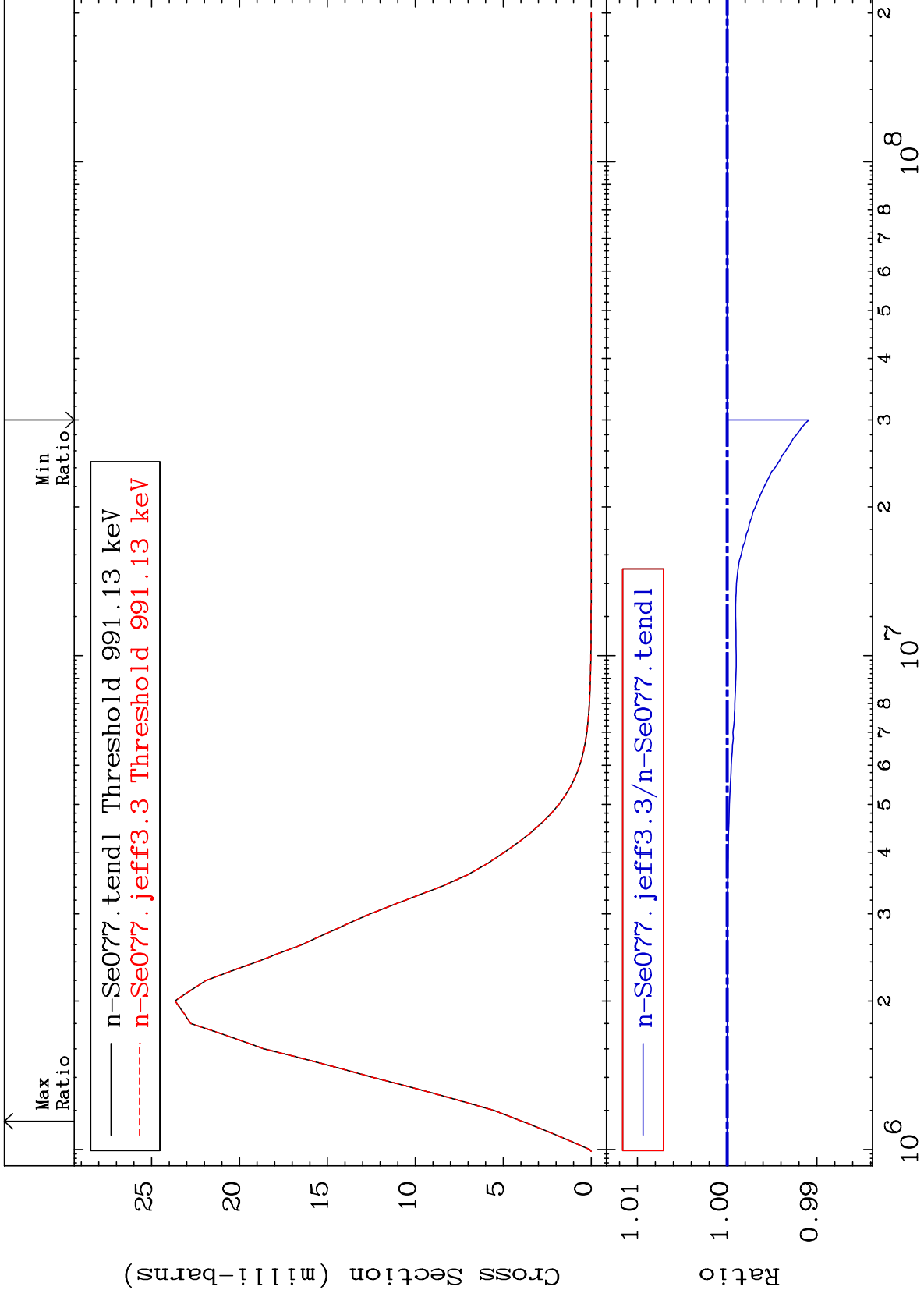
Incident Energy (eV)

³⁴Se-77

MAT 3434

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

³⁴Se-77
-0.910 To 0.000 %



36

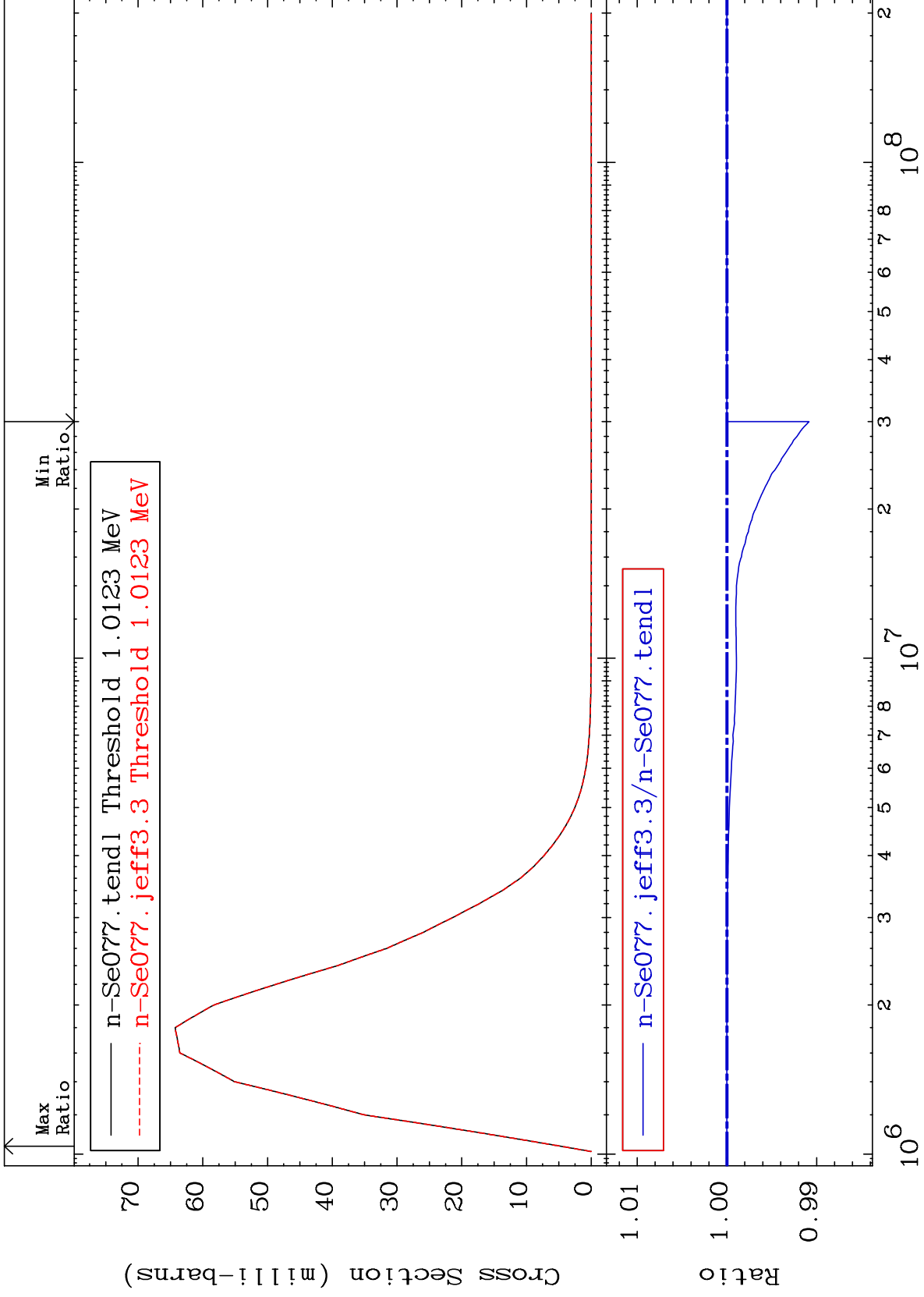
Incident Energy (eV)

³⁴Se-77

MAT 3434

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

³⁴Se-77
-0.916 To 0.000 %



37

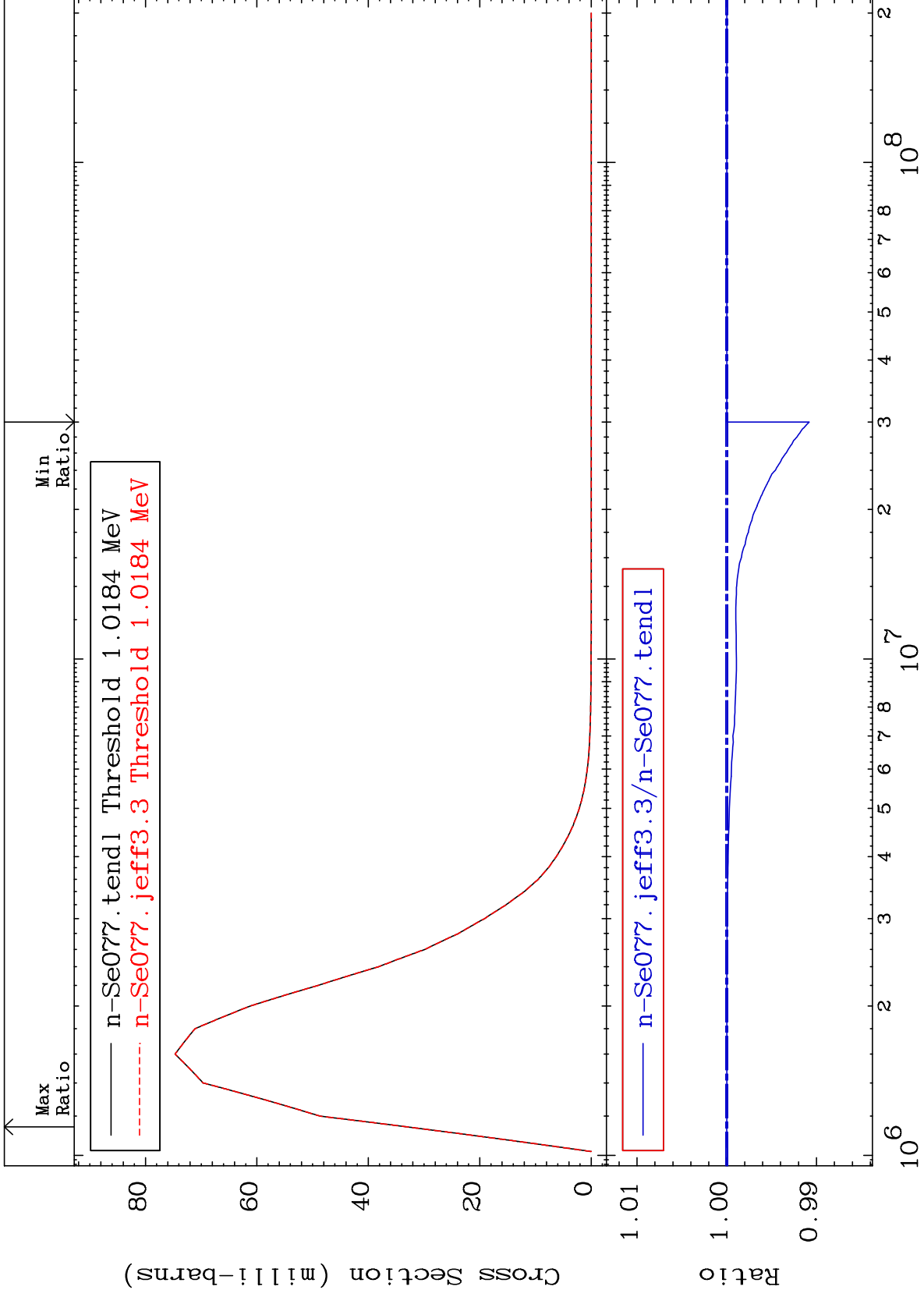
Incident Energy (eV)

³⁴Se-77

MAT 3434

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

³⁴Se-77
-0.918 To 0.000 %



38

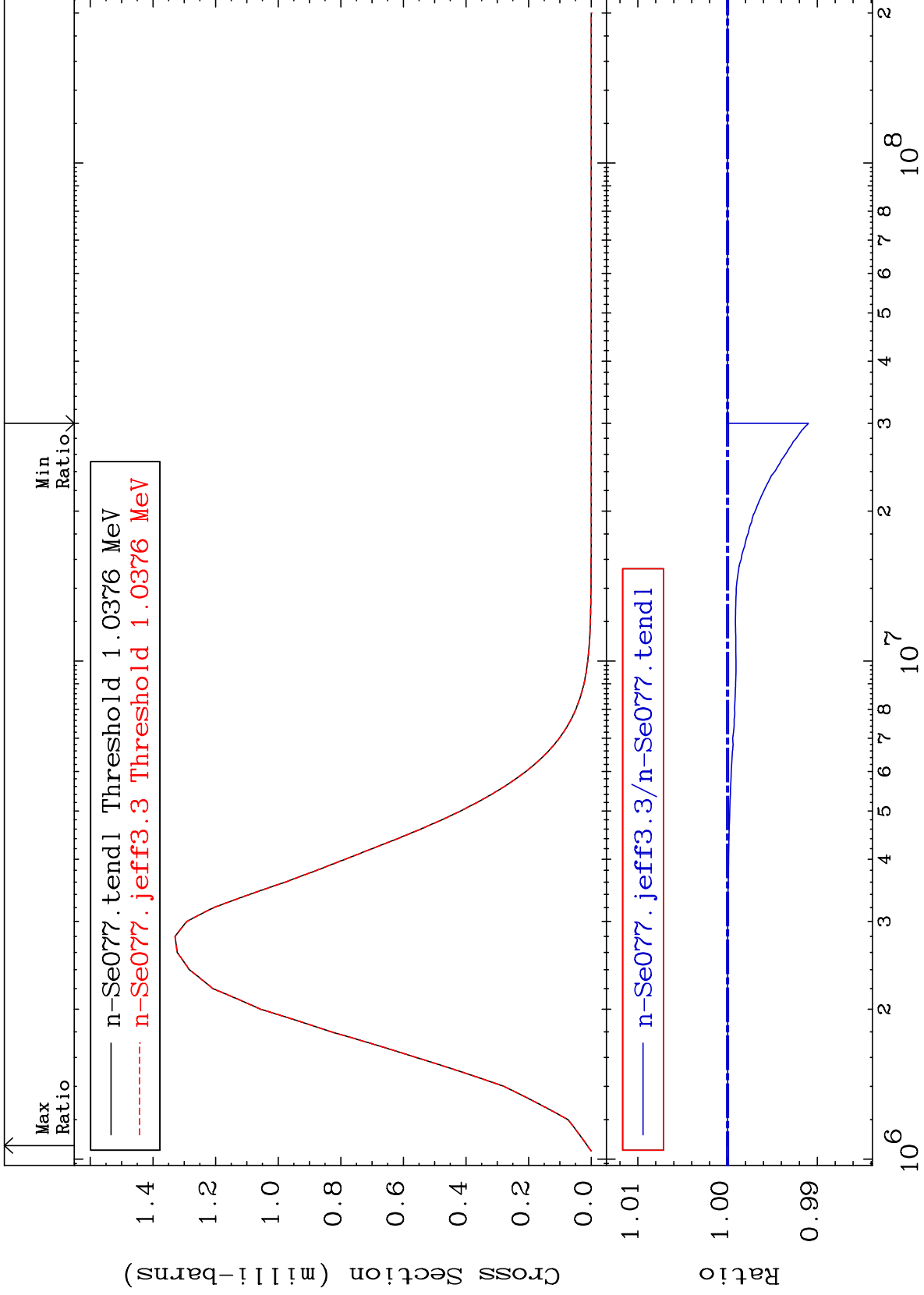
Incident Energy (eV)

³⁴Se-77

MAT 3434

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

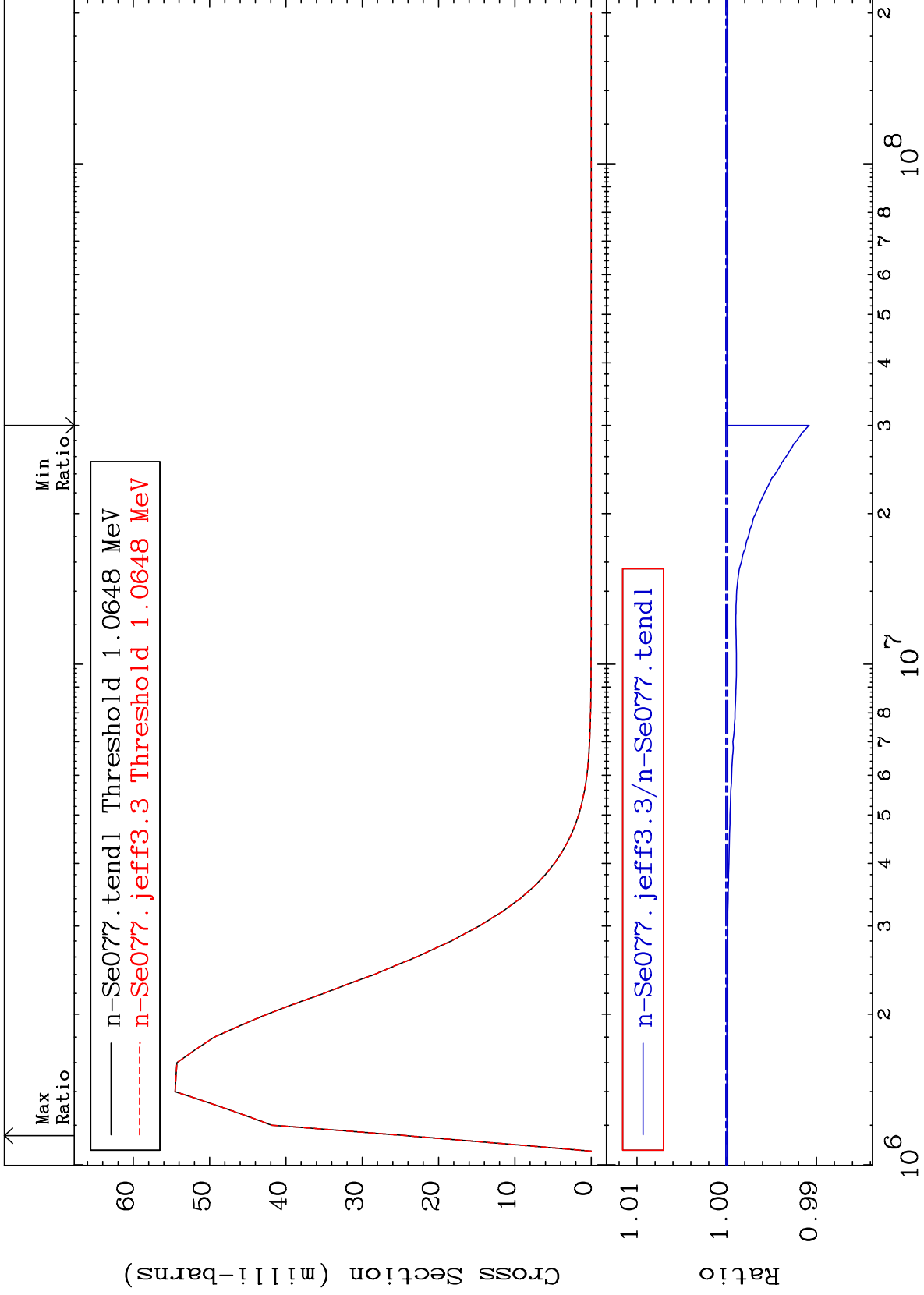
34-Se-77
-0.901 To 0.000 %



MAT 3434

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

³⁴Se-77
-0.918 To 0.000 %



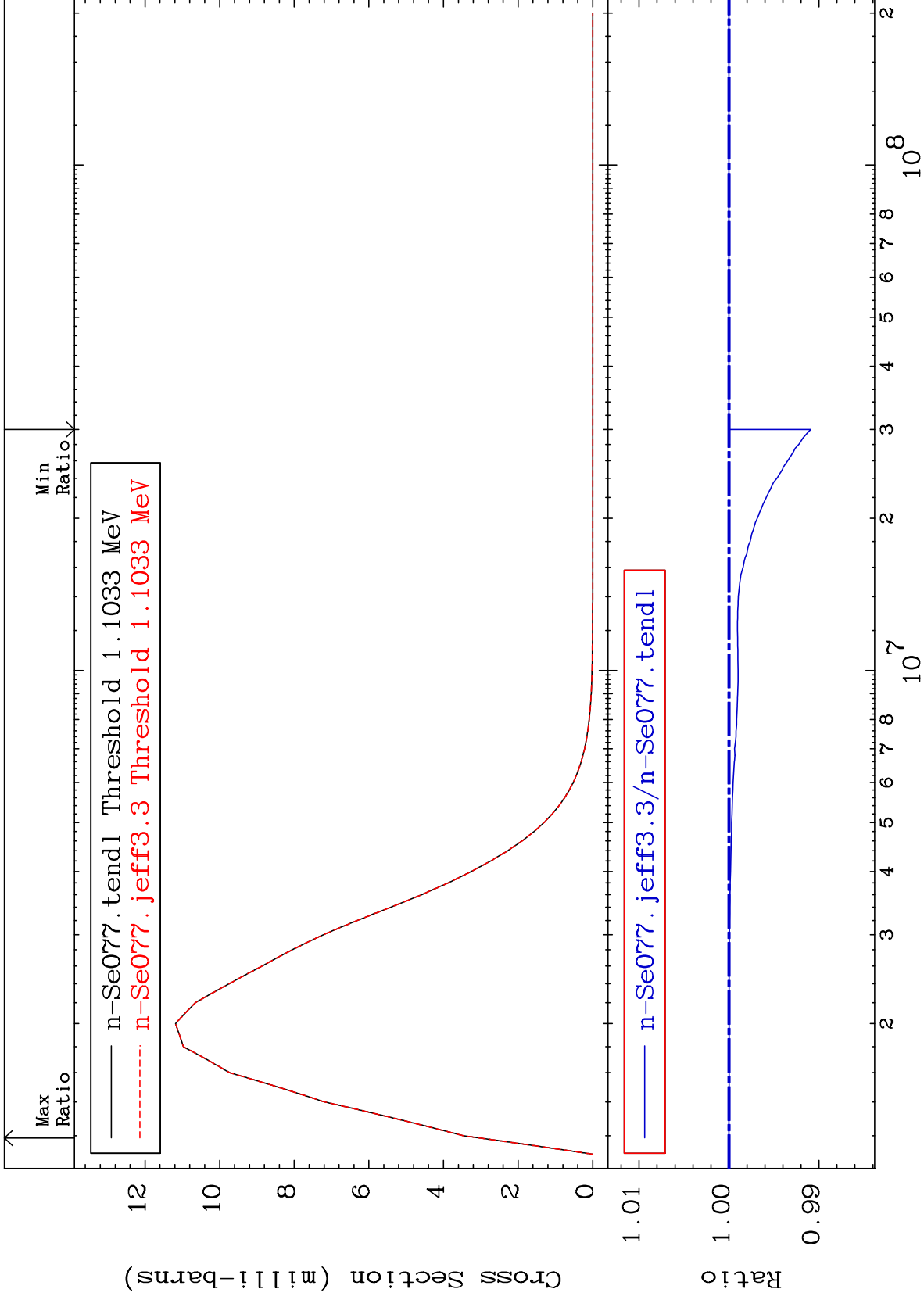
³⁴Se-77

40

MAT 3434

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

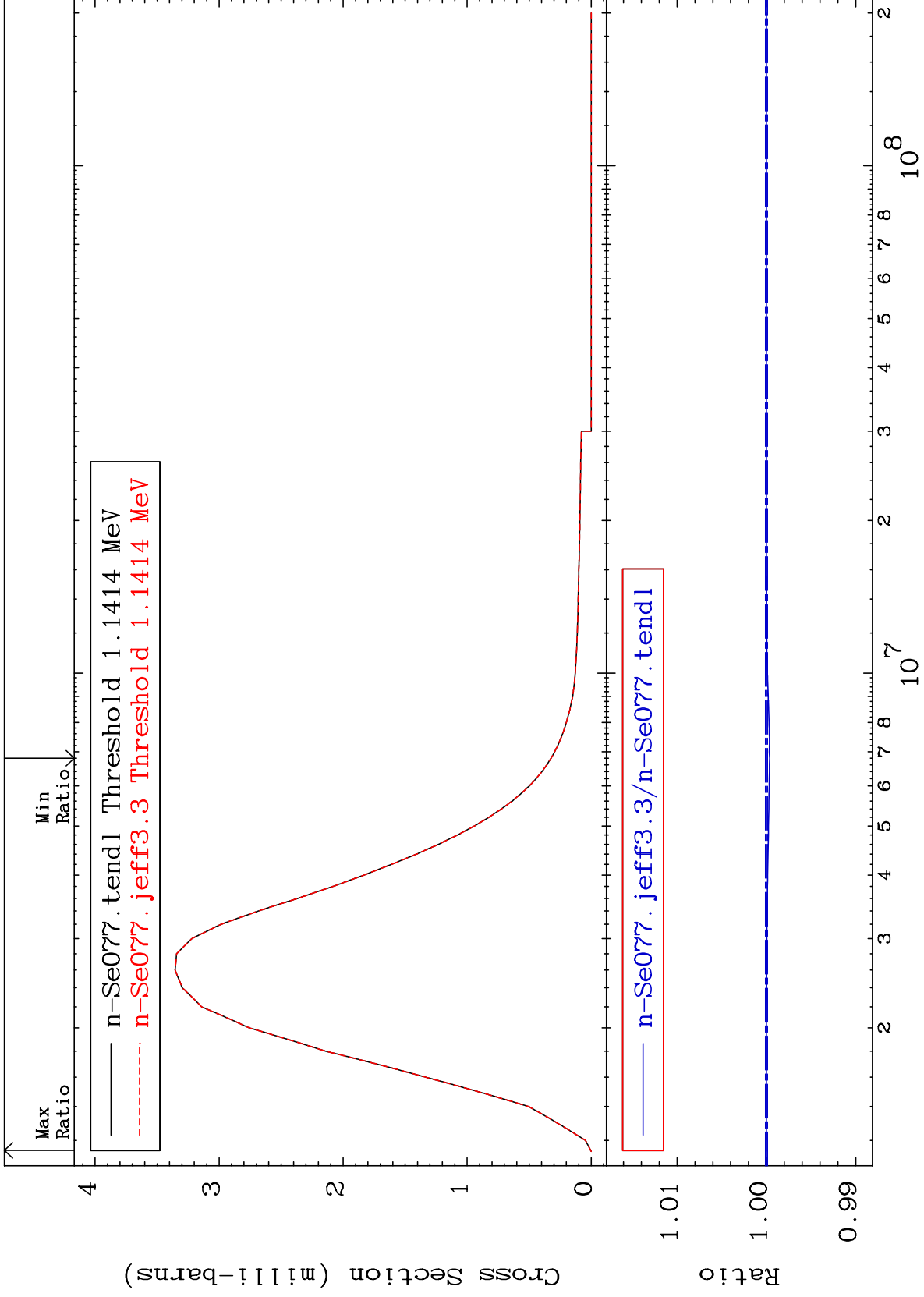
³⁴Se-77
-0.910 To 0.000 %



MAT 3434

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

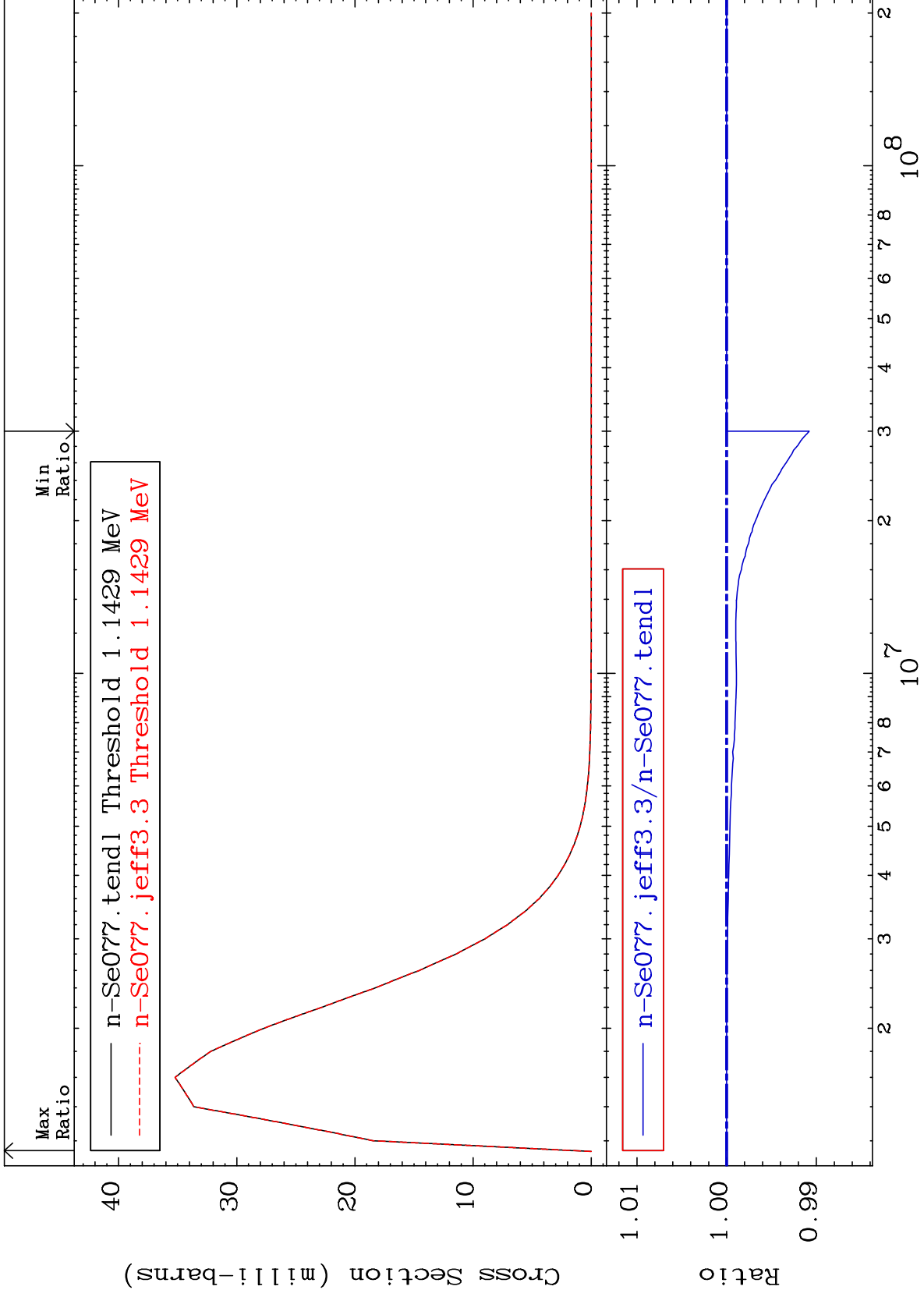
³⁴Se-77
-0.036 To 0.002 %



MAT 3434

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

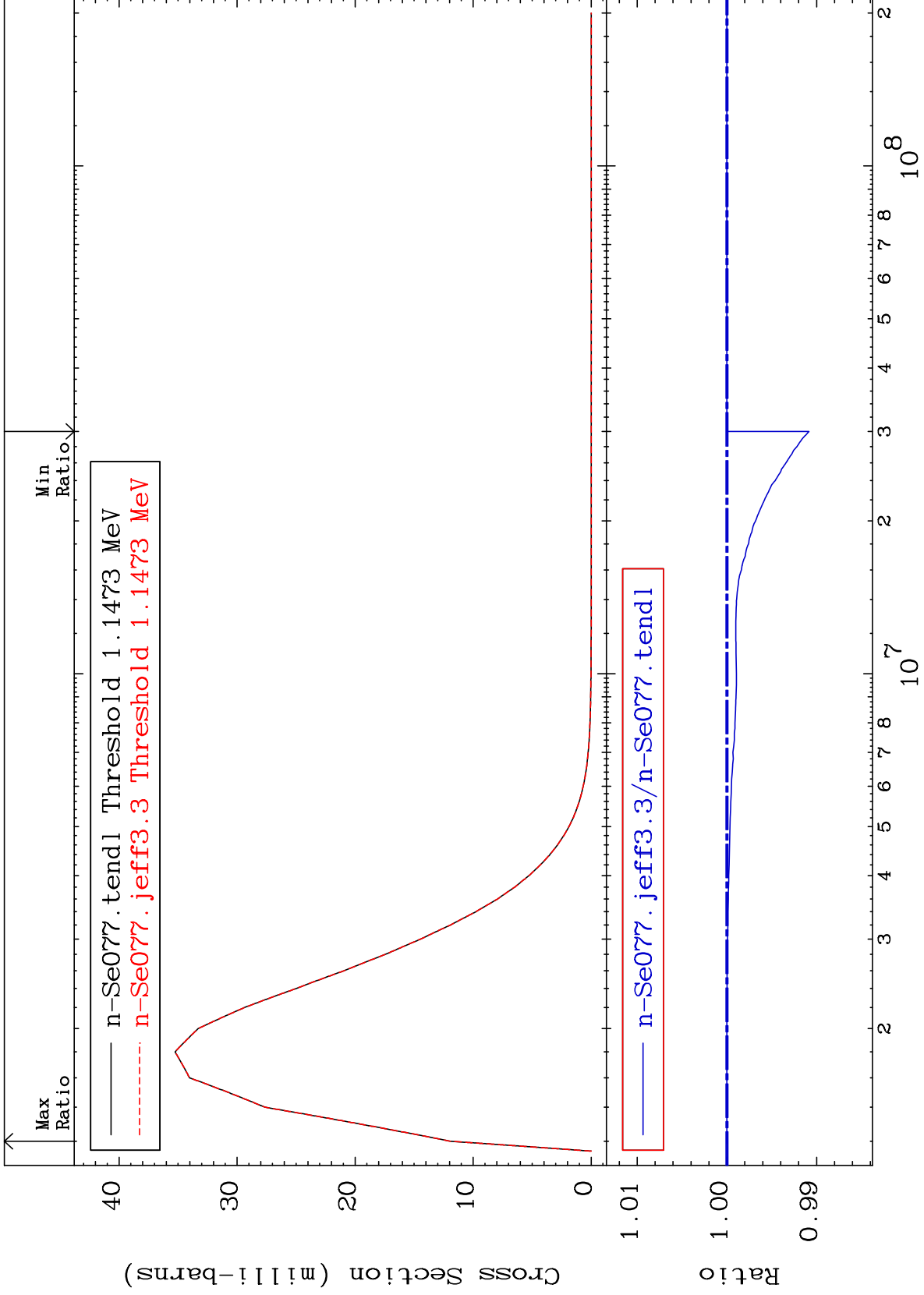
34-Se-77
-0.921 To 0.000 %



MAT 3434

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

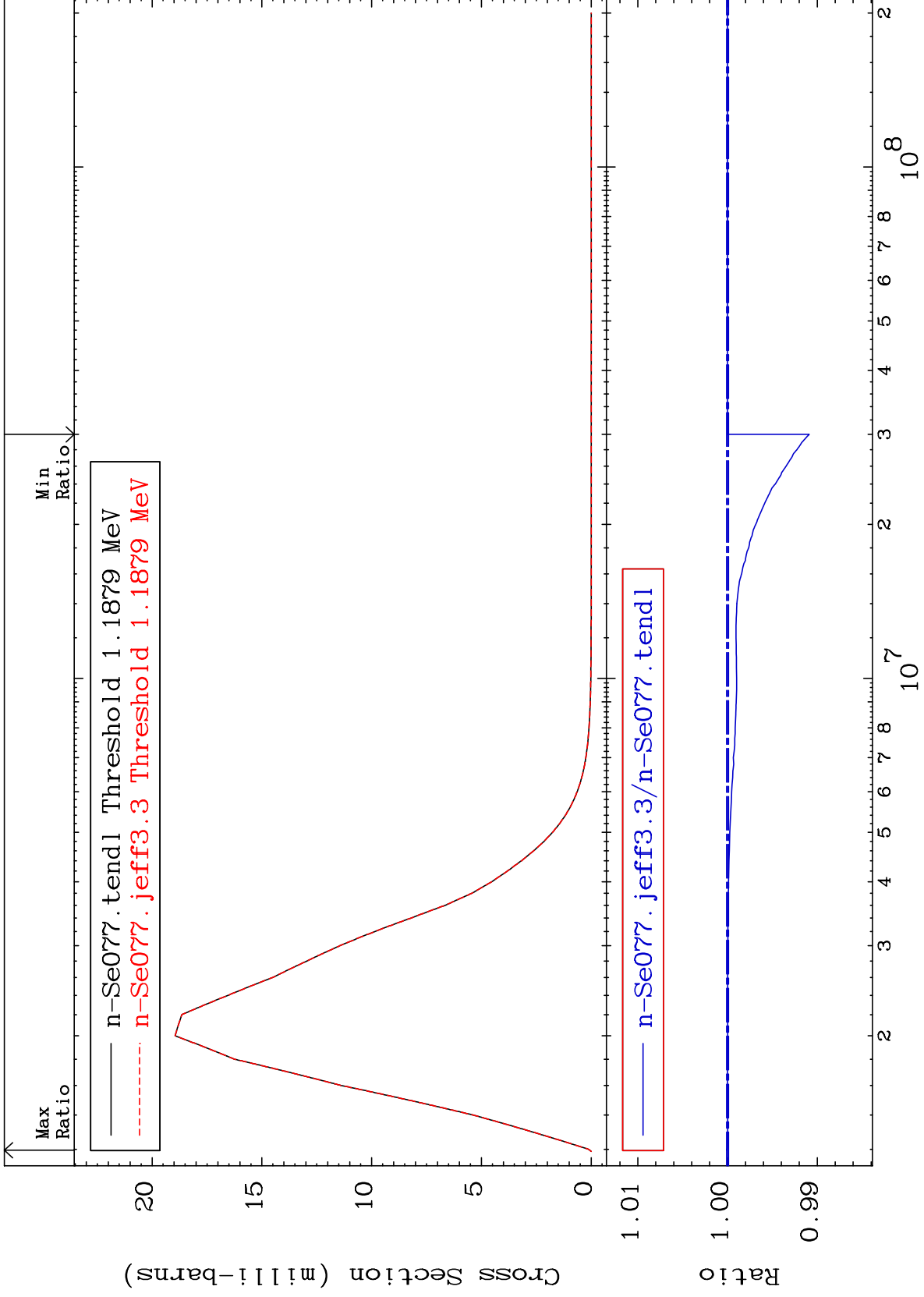
³⁴Se-77
-0.916 To 0.000 %



MAT 3434

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

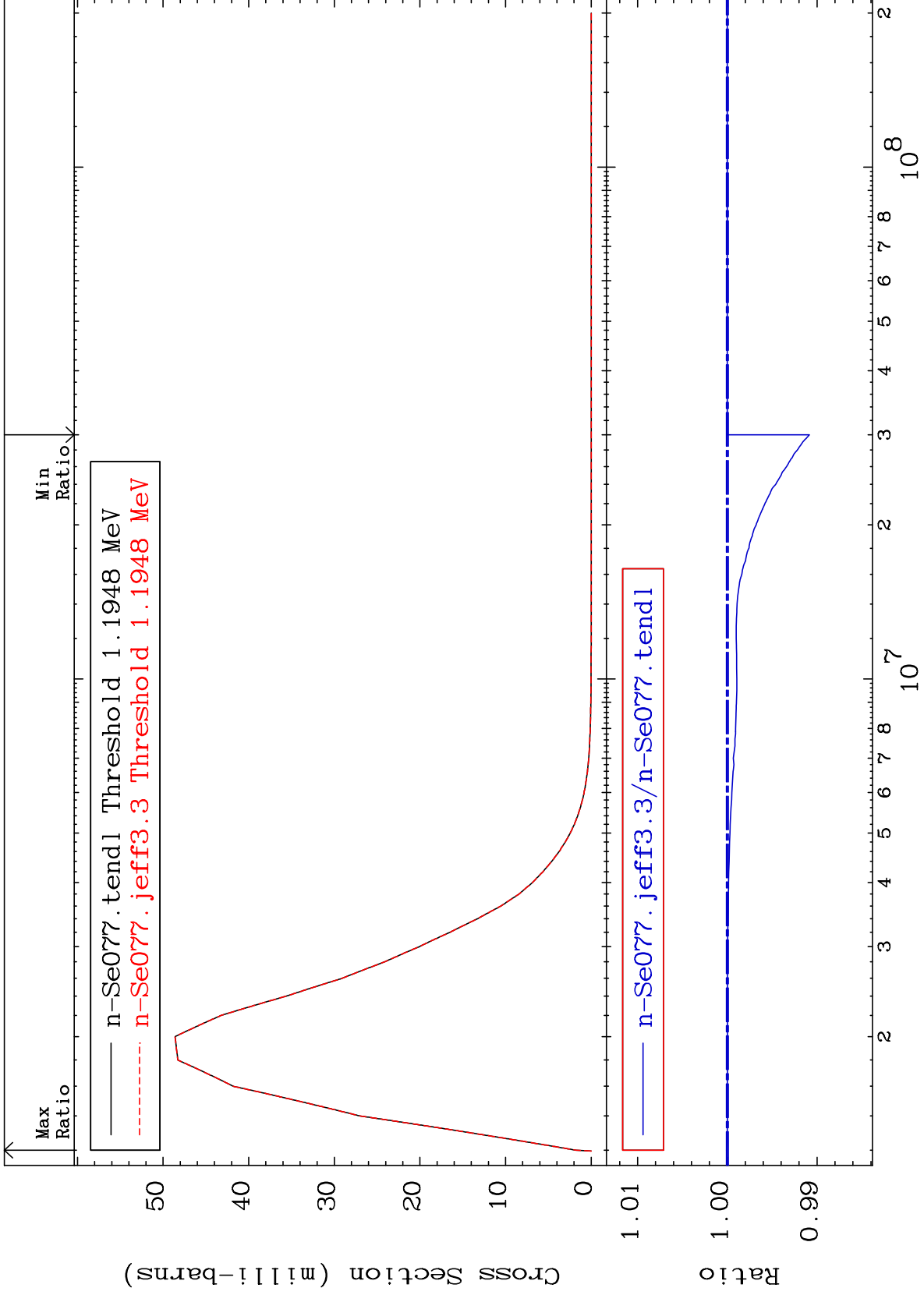
³⁴Se-77
-0.910 To 0.009 %



MAT 3434

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

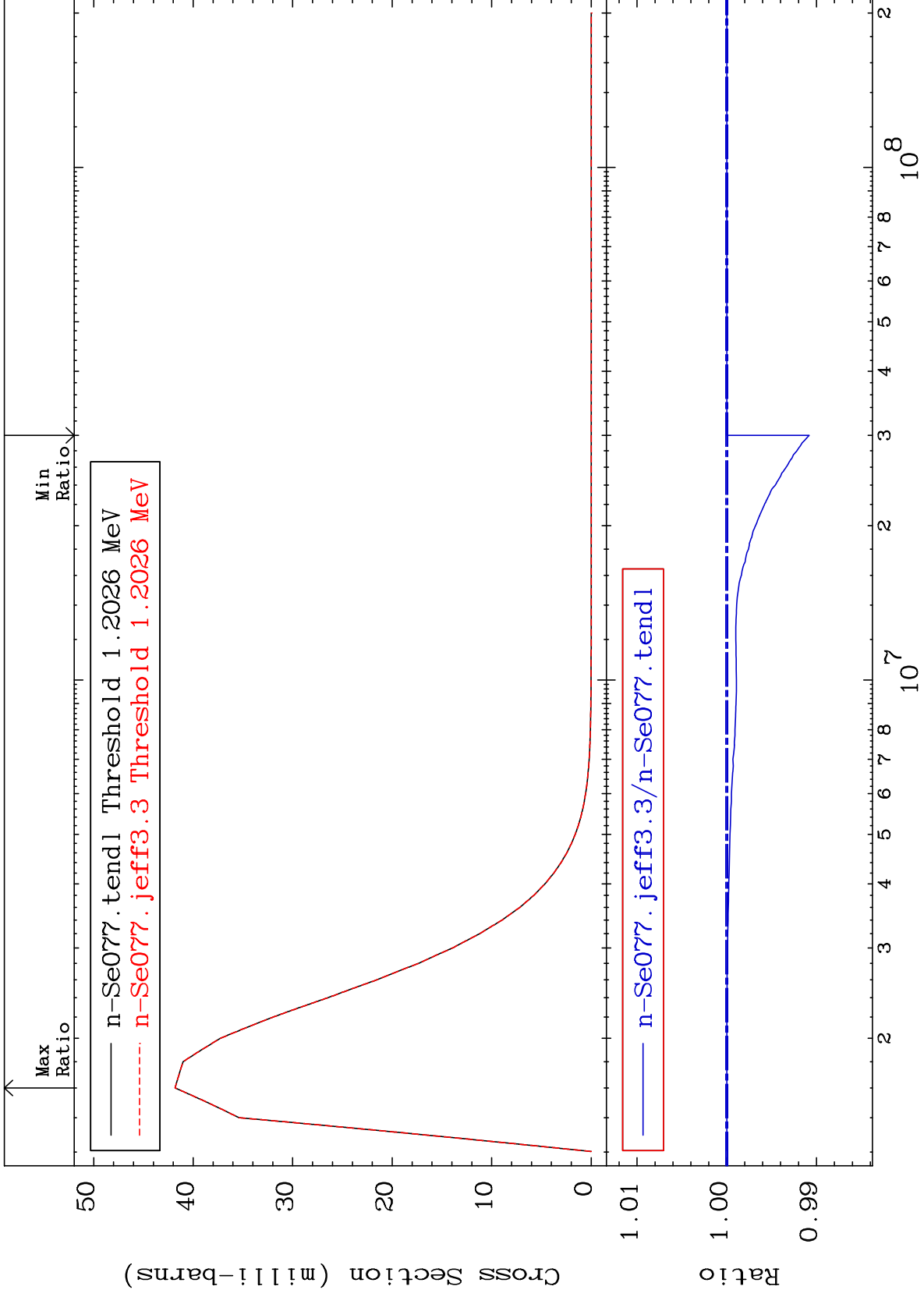
³⁴Se-77
-0.916 To 0.011 %



MAT 3434

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

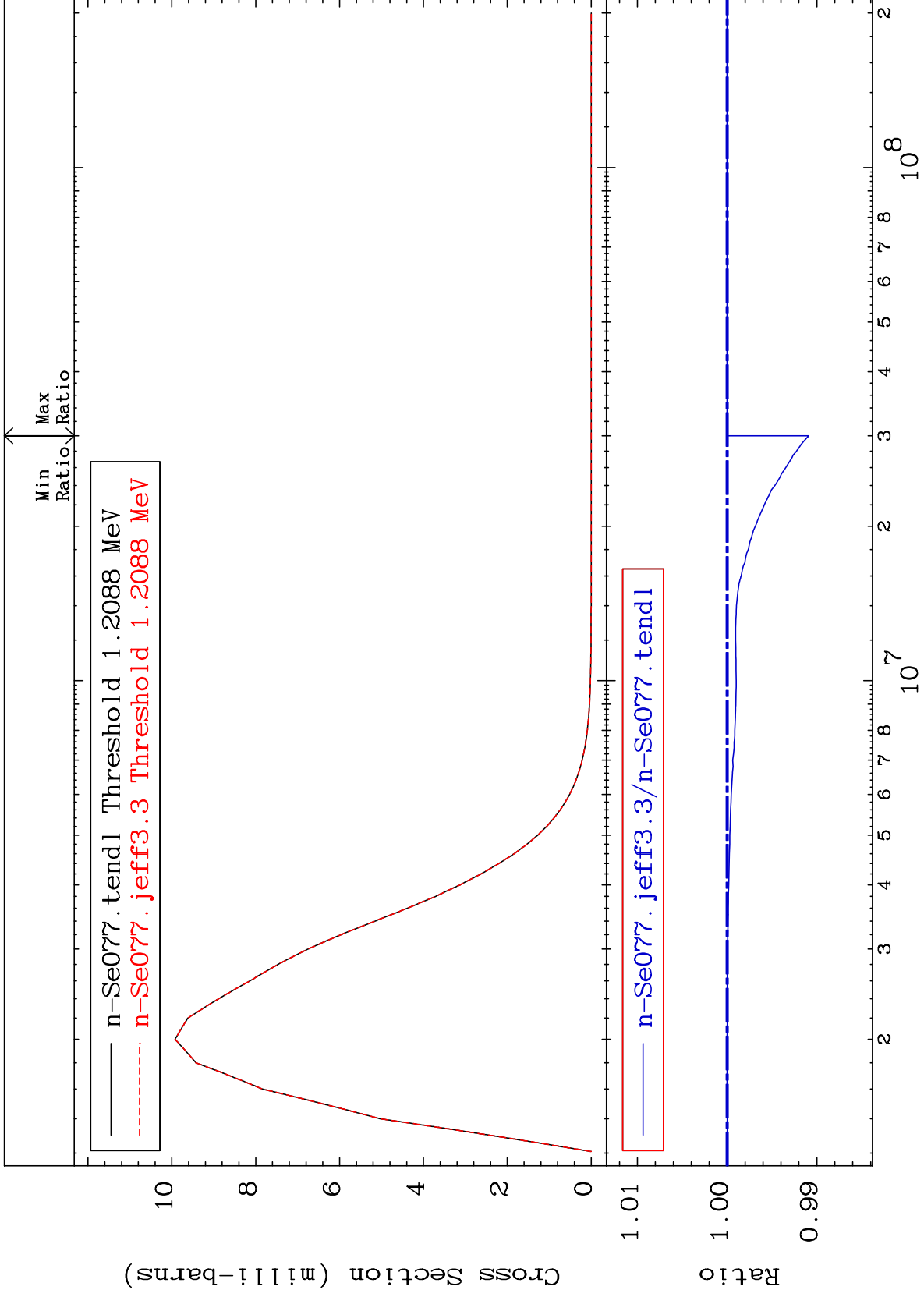
³⁴Se-77
-0.918 To 0.000 %



MAT 3434

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

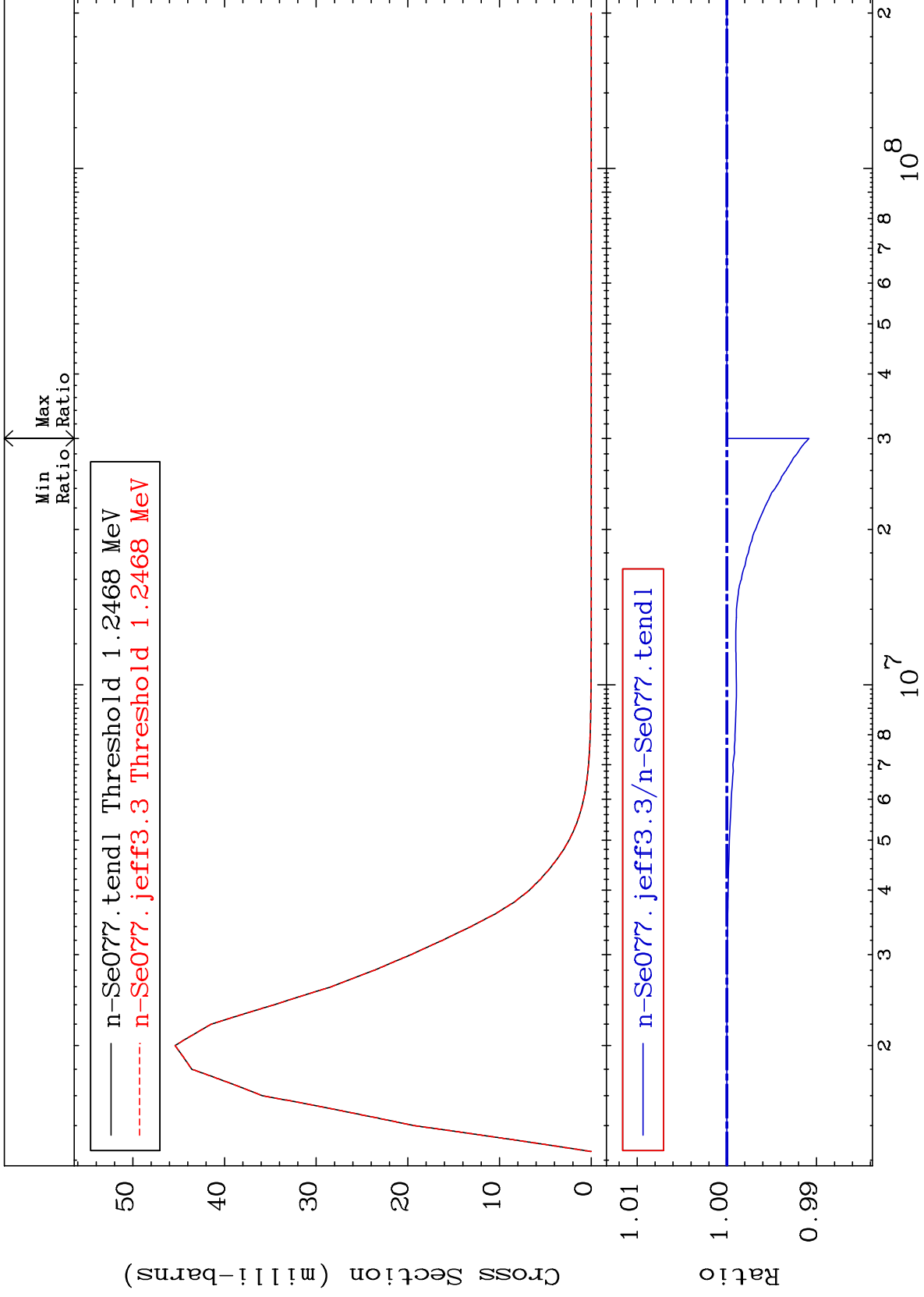
³⁴Se-77
-0.910 To 0.000 %



MAT 3434

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

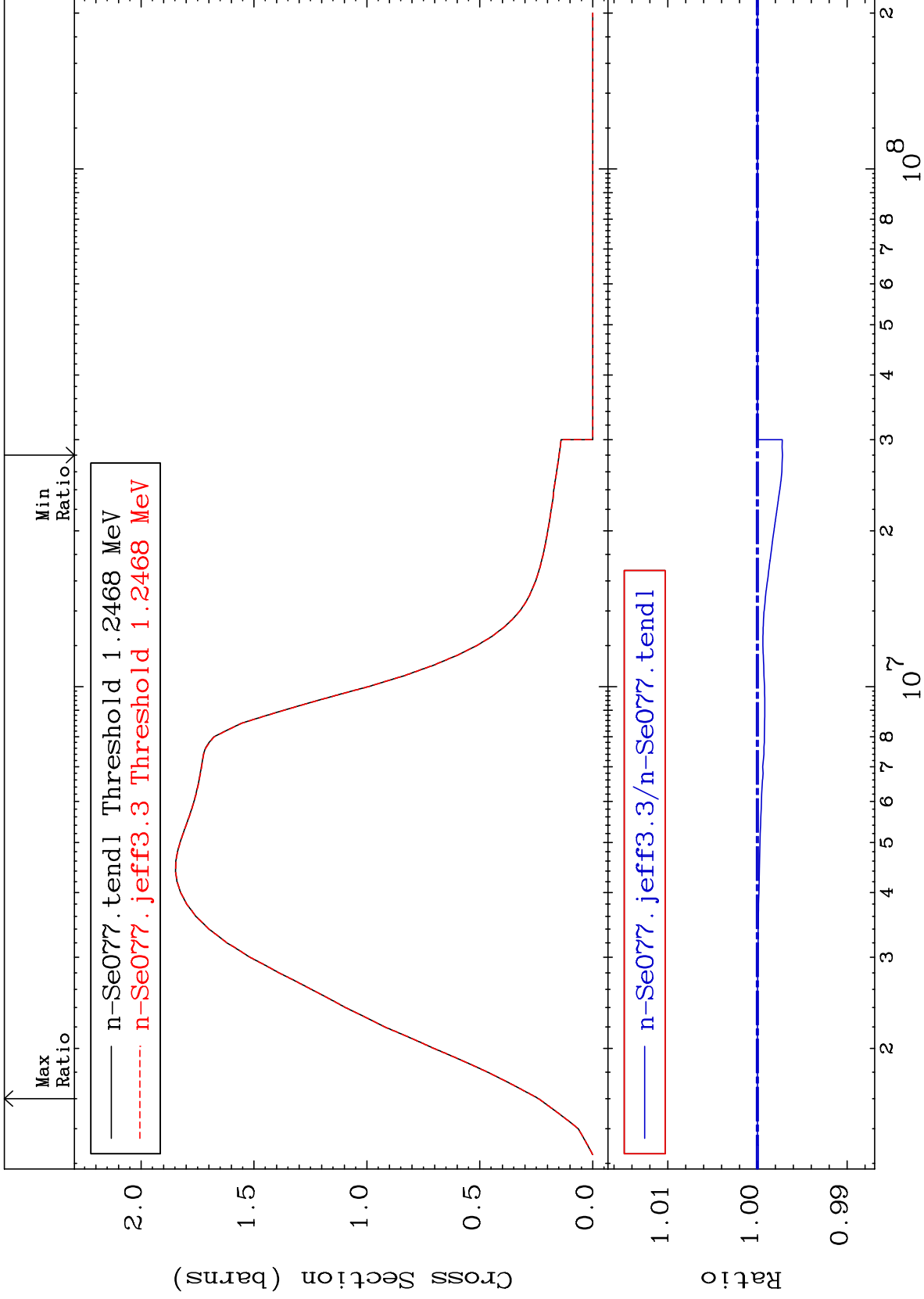
³⁴Se-77
-0.916 To 0.000 %



MAT 3434

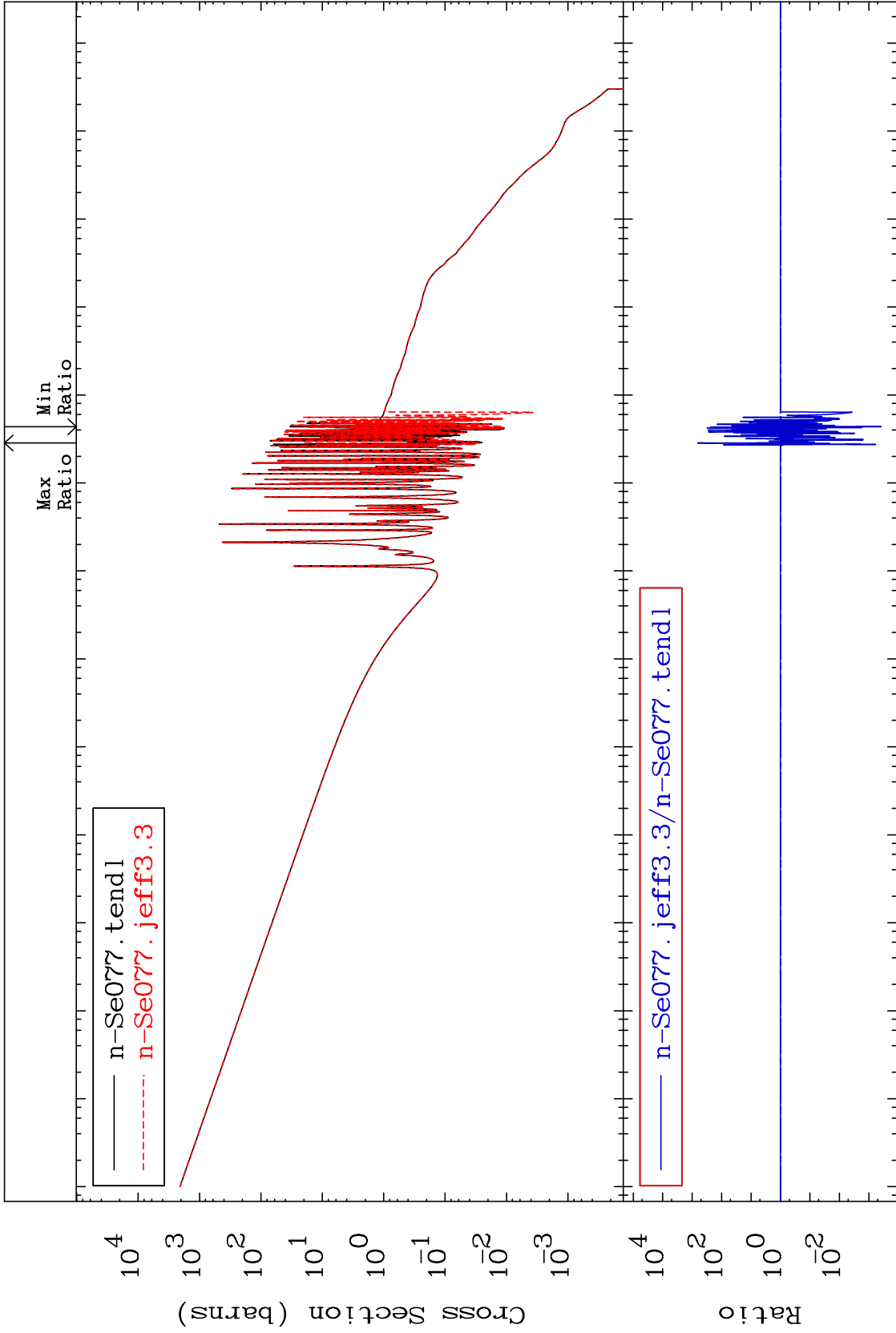
(n, n') Continuum
Cross Section

³⁴Se-77
-0.279 To 0.000 %



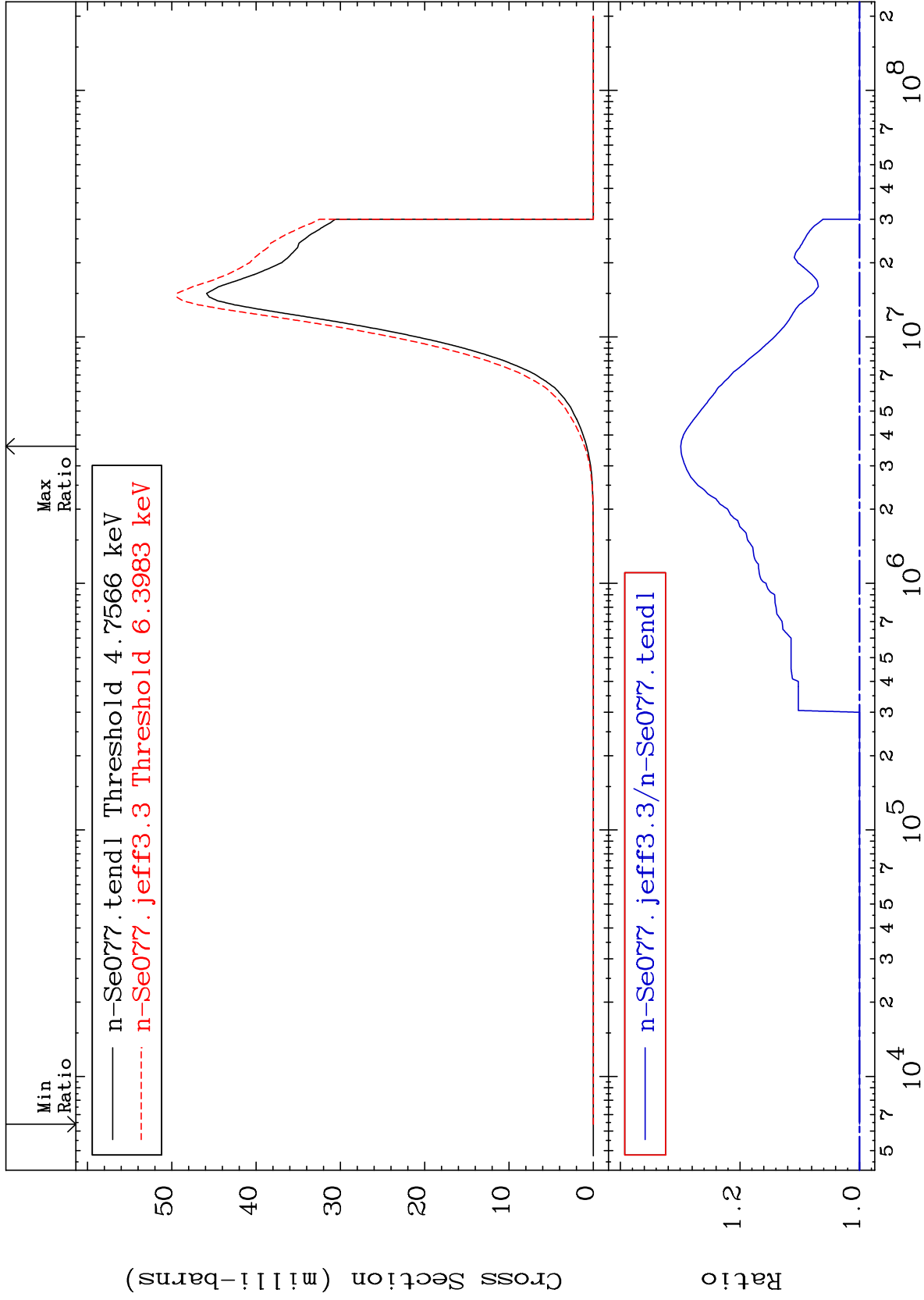
Cross Section

-99.96 To 9999. %



MAT 3434

(n,p)
Cross Section
34-Se-77
To 29.90 %
0.000



MAT 3434

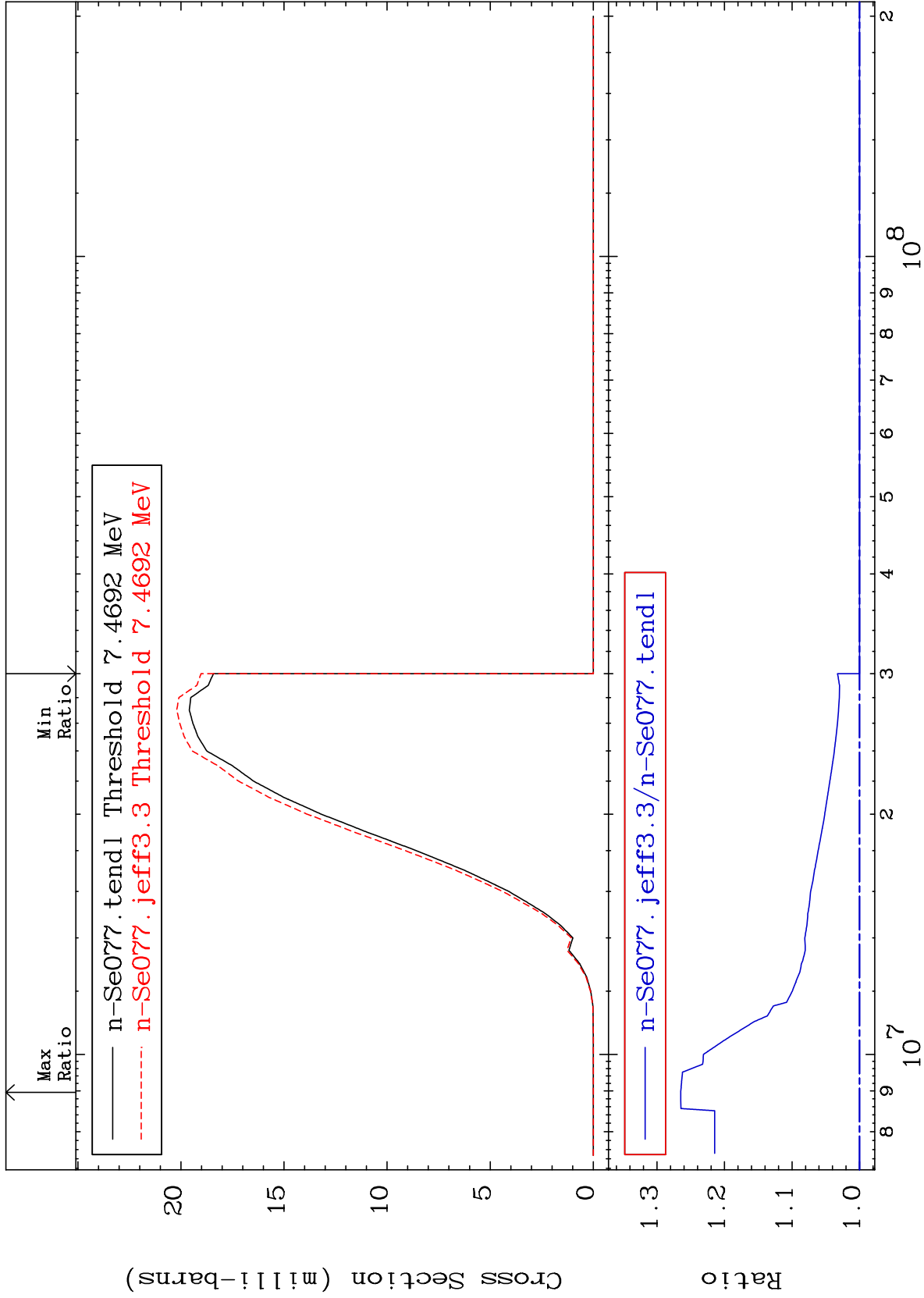
(n, d)

³⁴Se-77

Cross Section

0.000

To 26.48 %



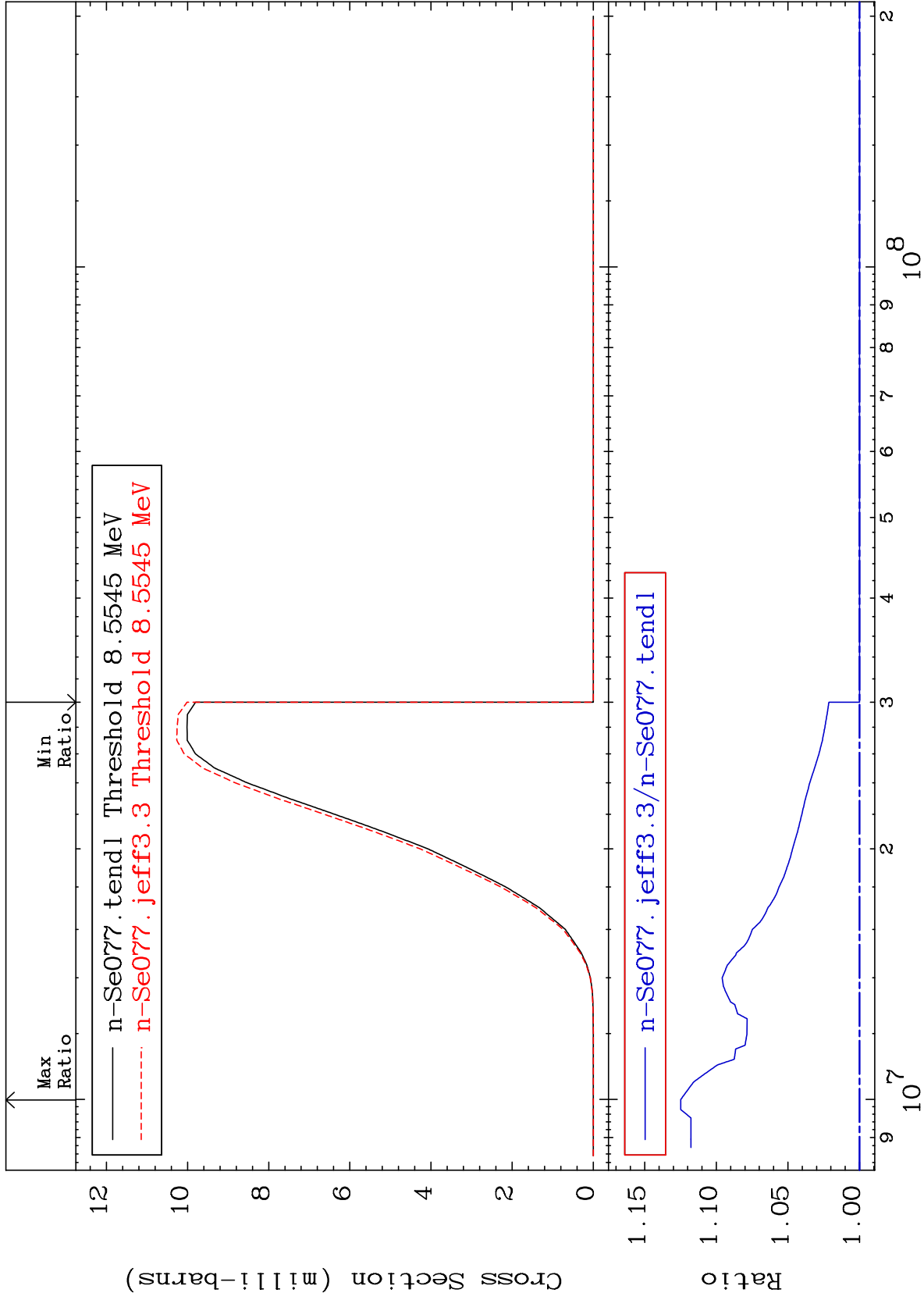
MAT 3434

(n, t)

³⁴Se-77

Cross Section

0.000 To 12.48 %



MAT 3434

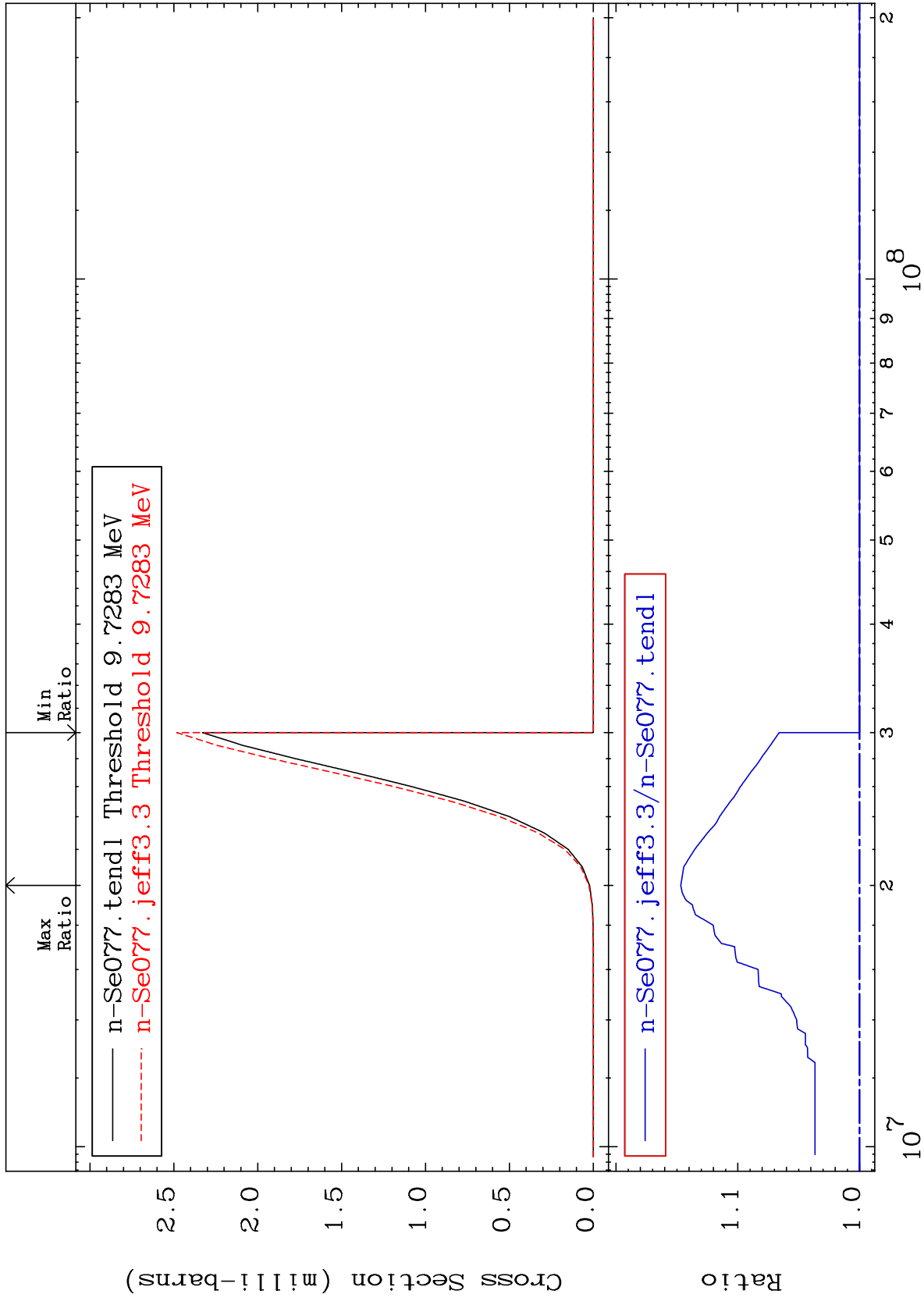
(n, He-3)

³⁴Se-77

Cross Section

0.000

To 14.69 %



— n-Se077.tendl Threshold 9.7283 MeV
- - - n-Se077.jeff3.3 Threshold 9.7283 MeV

— n-Se077.jeff3.3/n-Se077.tendl

Incident Energy (eV)

³⁴Se-77

55

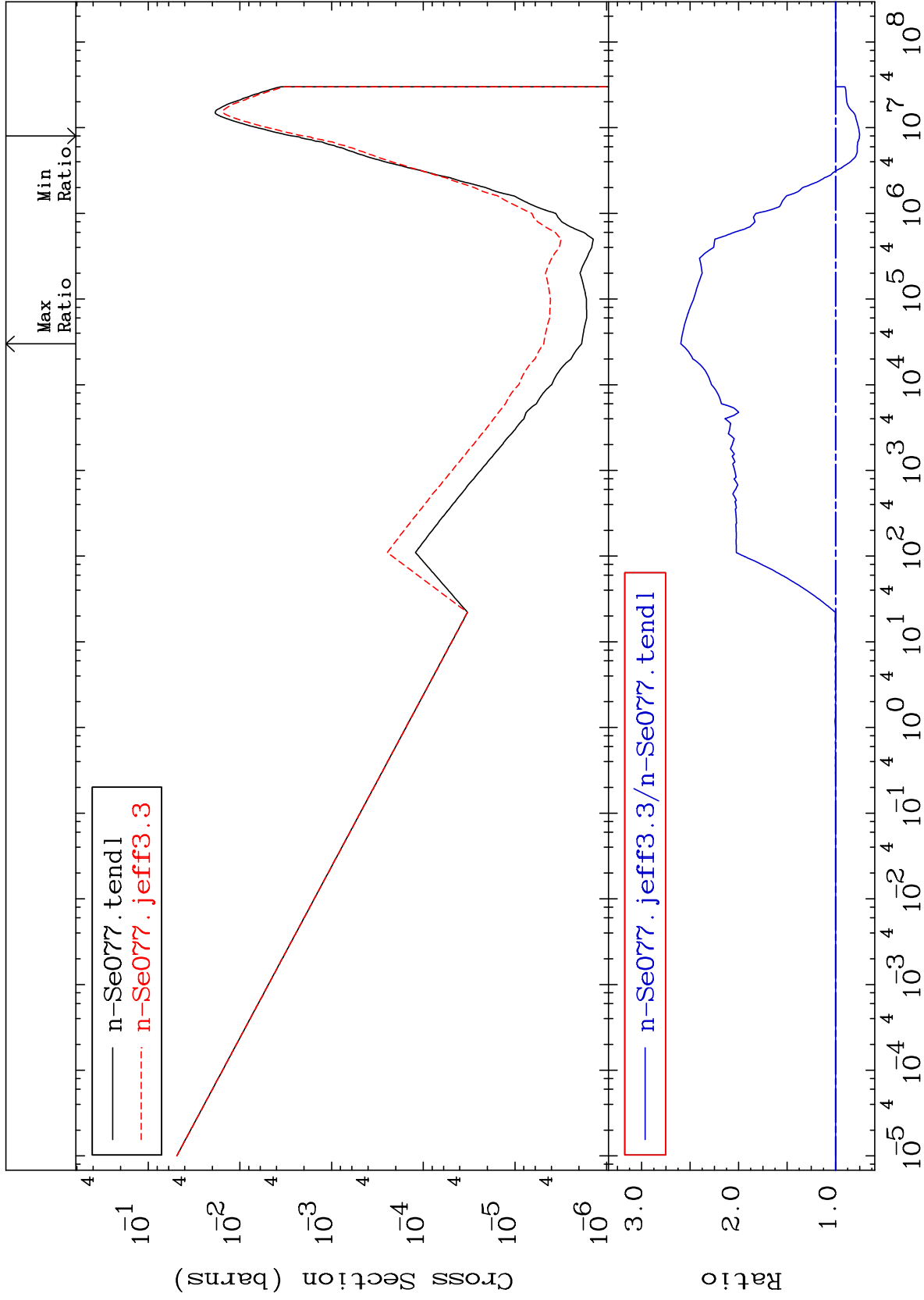
MAT 3434

(n, α)

³⁴Se-77

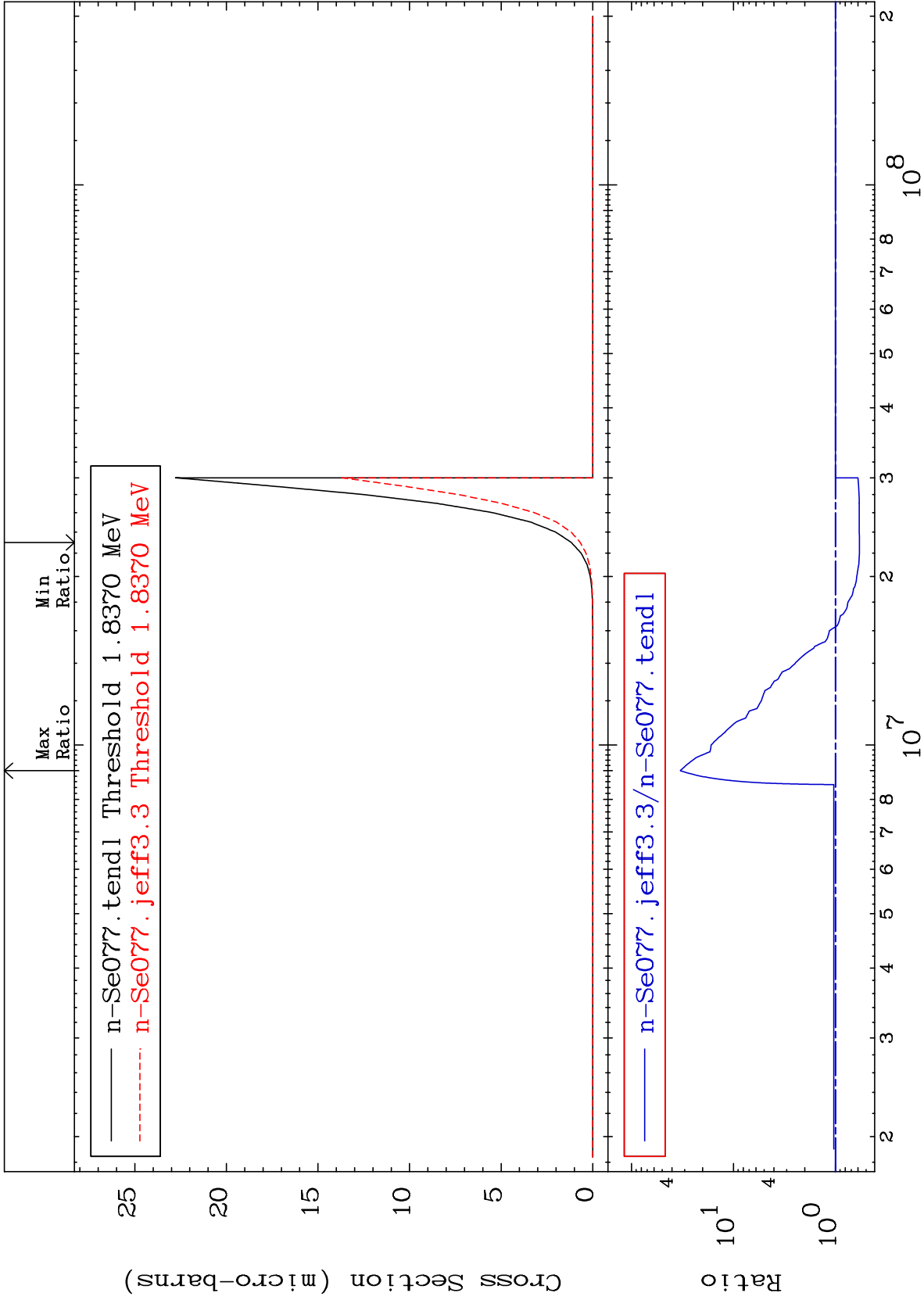
Cross Section

-24.74 To 159.7 %



Cross Section

-41.85 To 3213. %

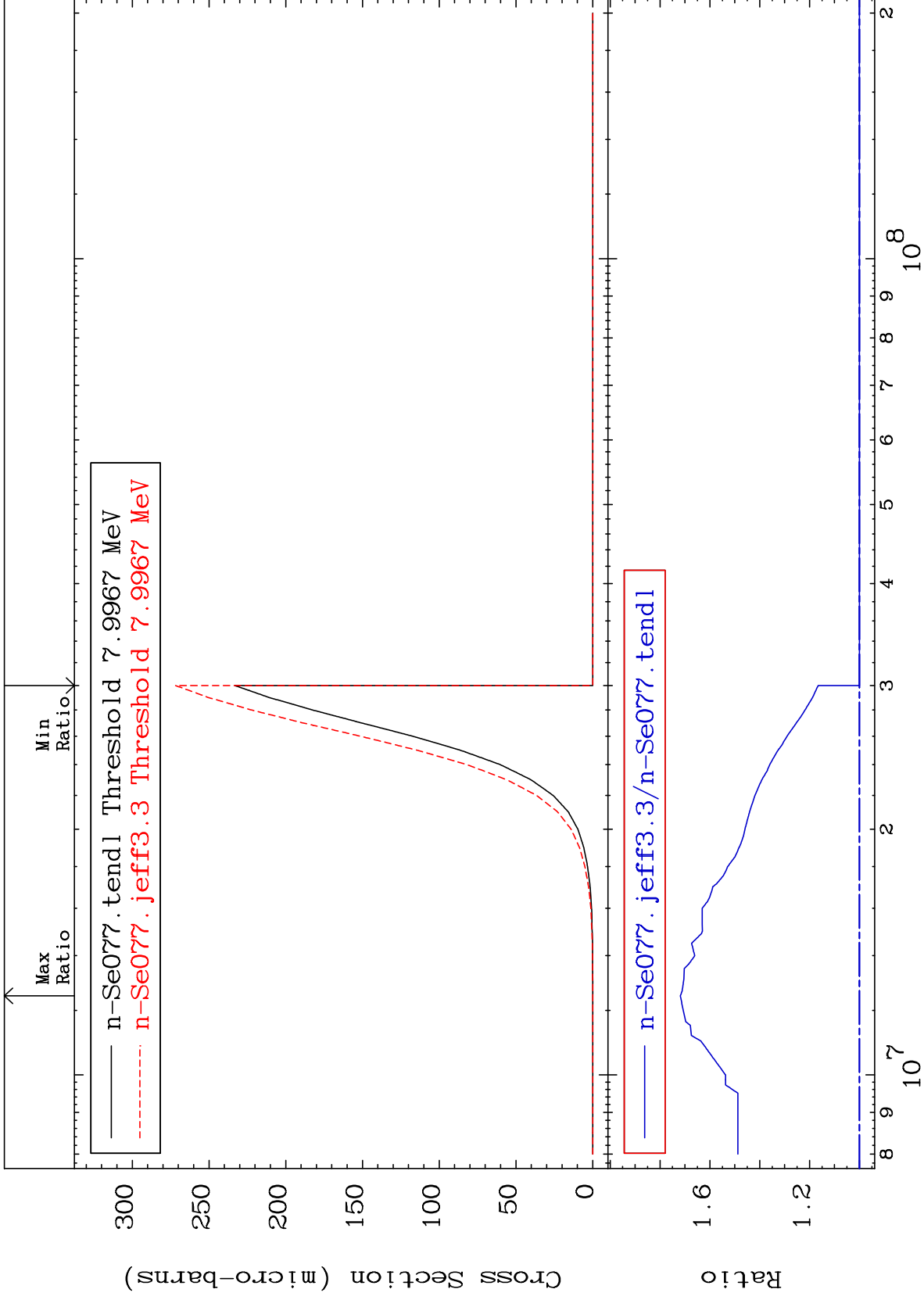


MAT 3434

(n,2p)

34-Se-77
0.000 To 71.84 %

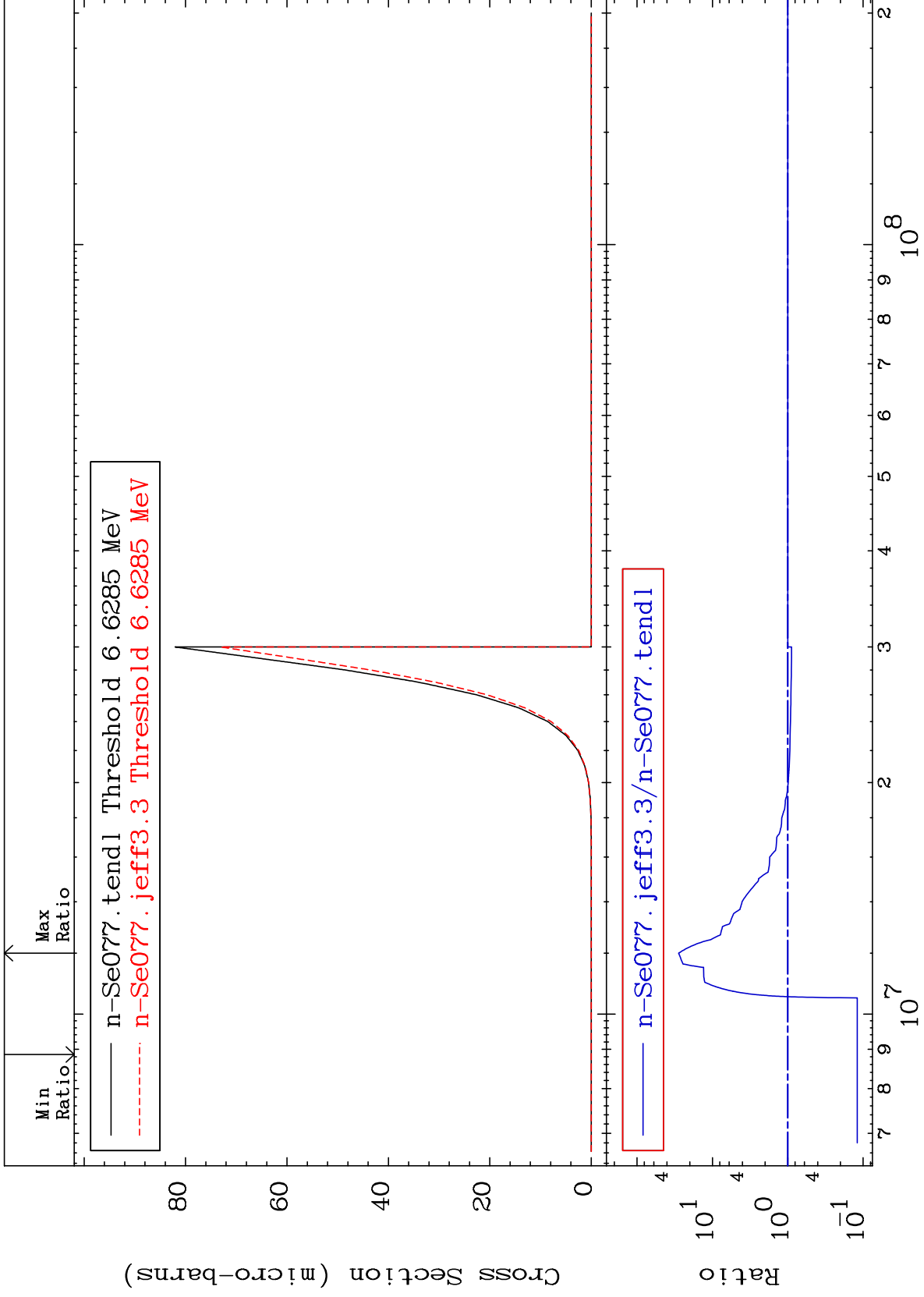
Cross Section



58

Incident Energy (eV)

34-Se-77



MAT 3434

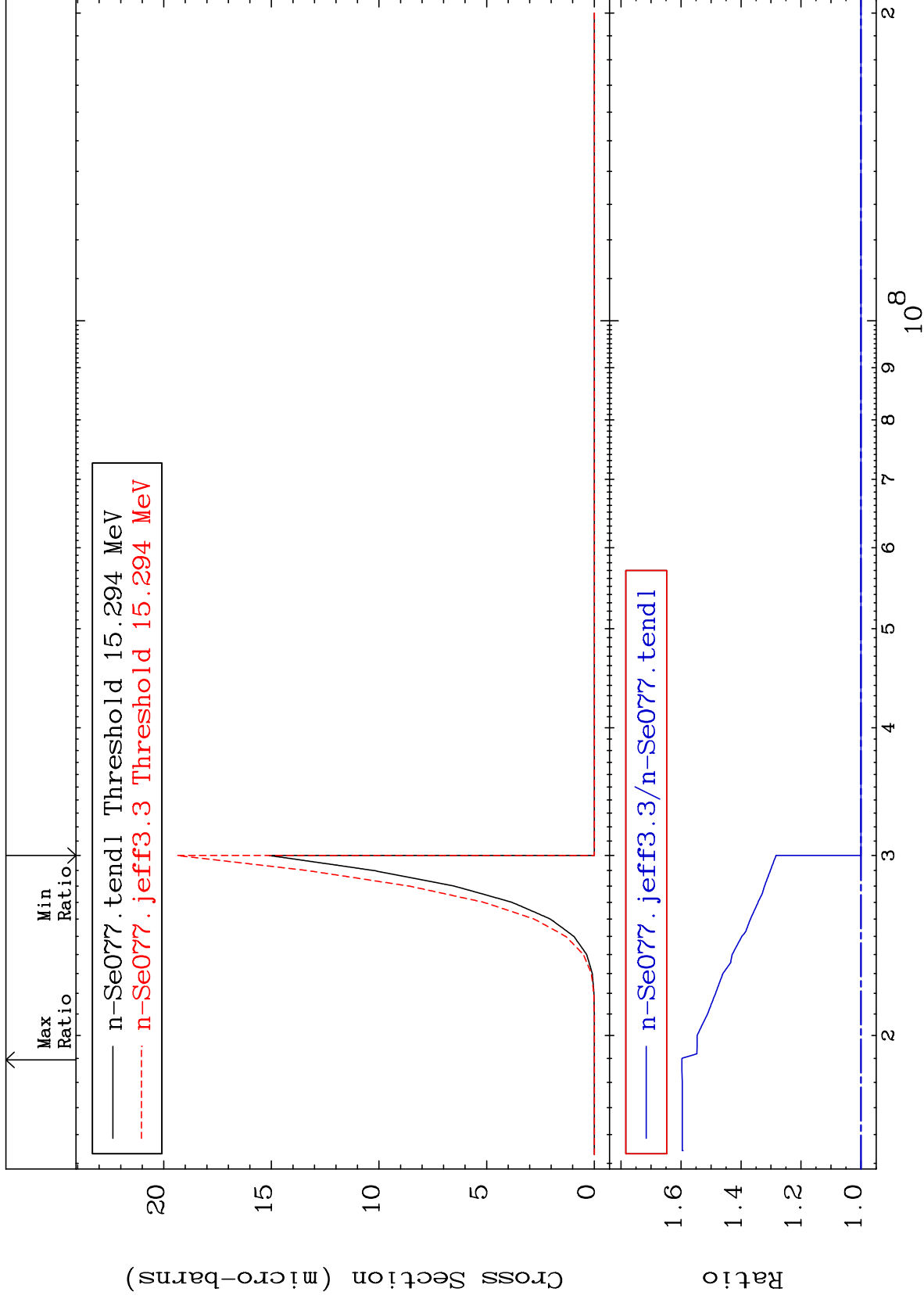
(n,p) d

³⁴Se-77

Cross Section

0.000

To 59.70 %



60

Incident Energy (eV)

³⁴Se-77

MAT 3434

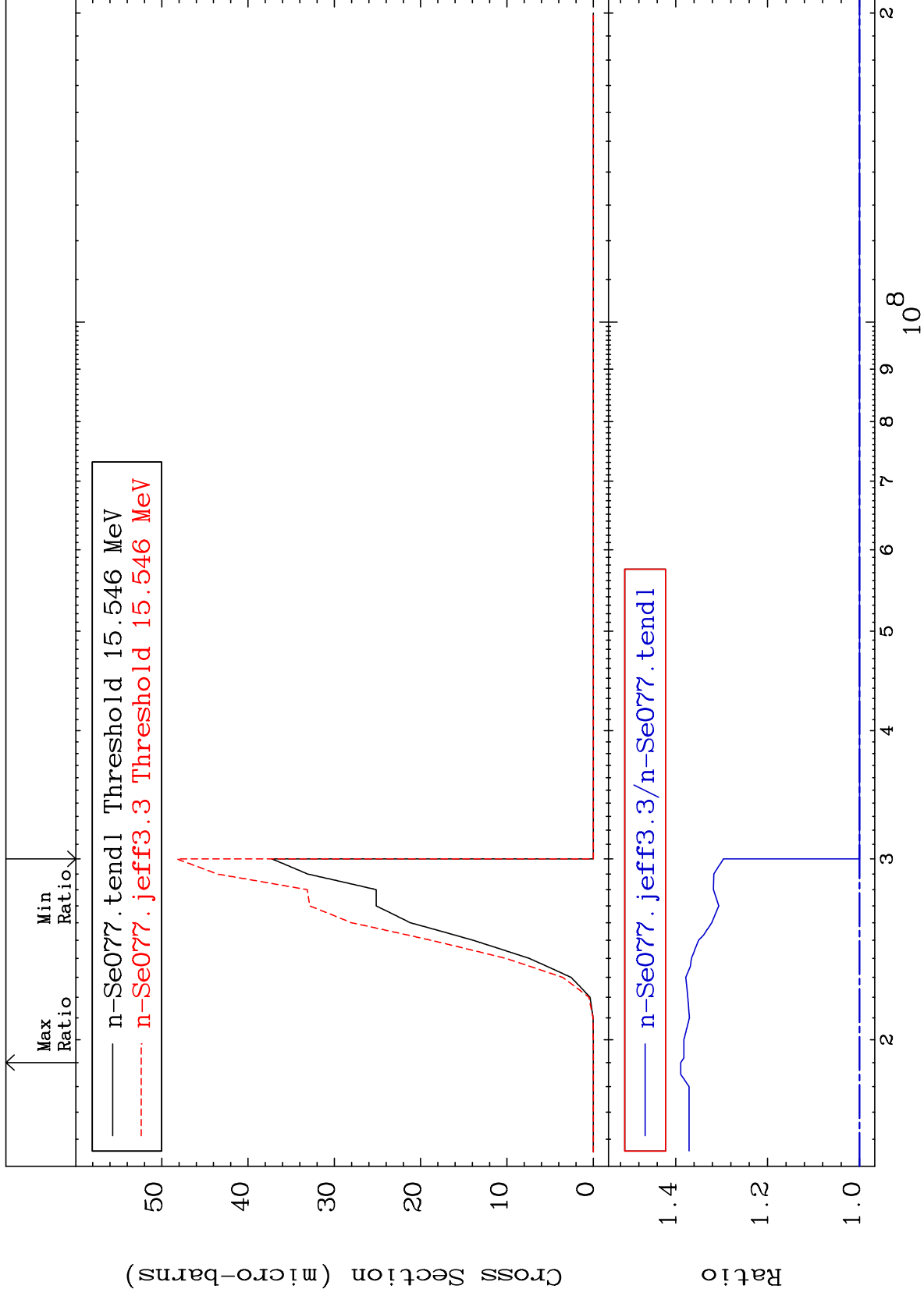
(n,p) t

³⁴Se-77

Cross Section

0.000

To 38.88 %



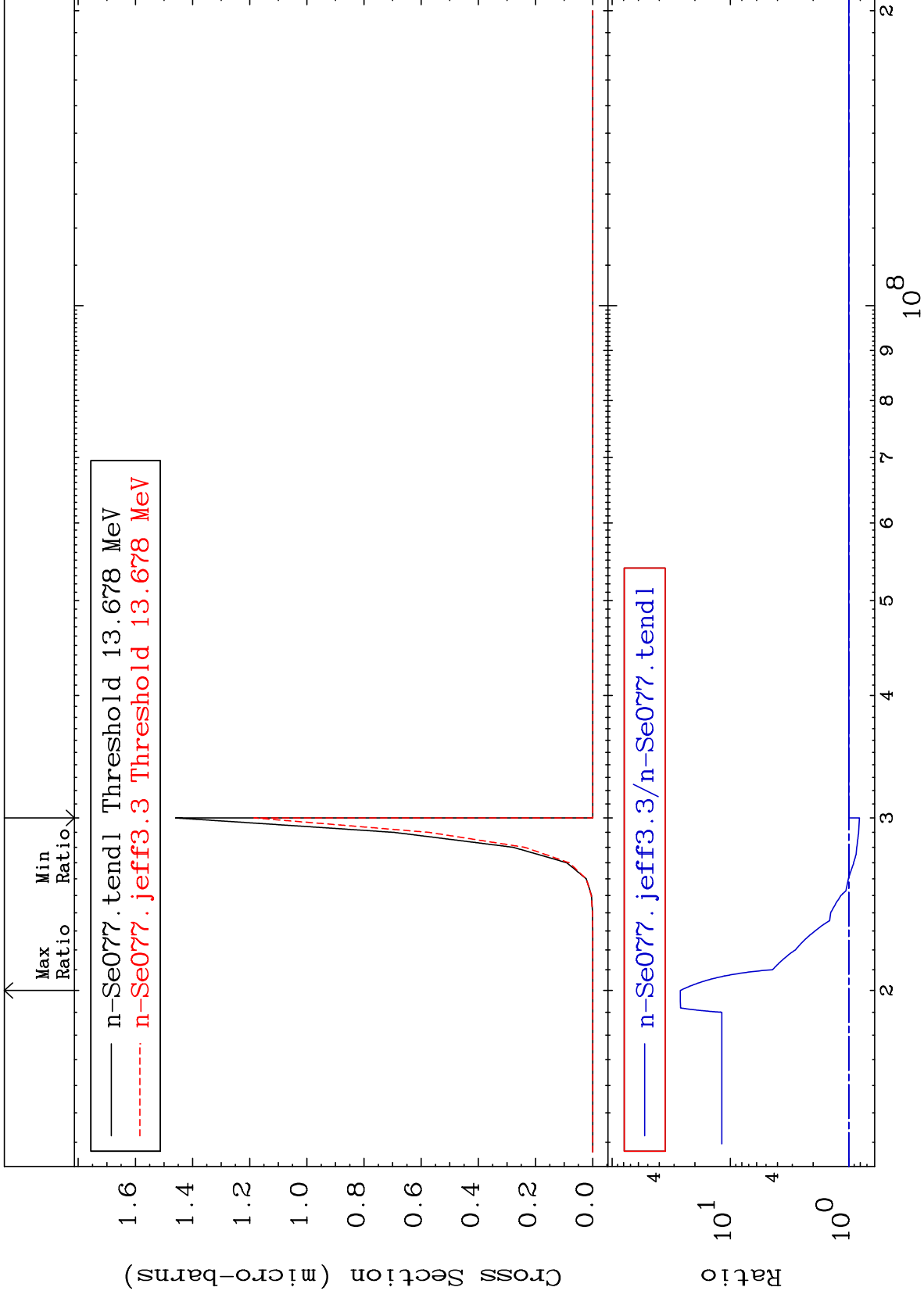
61

Incident Energy (eV)

³⁴Se-77

Cross Section

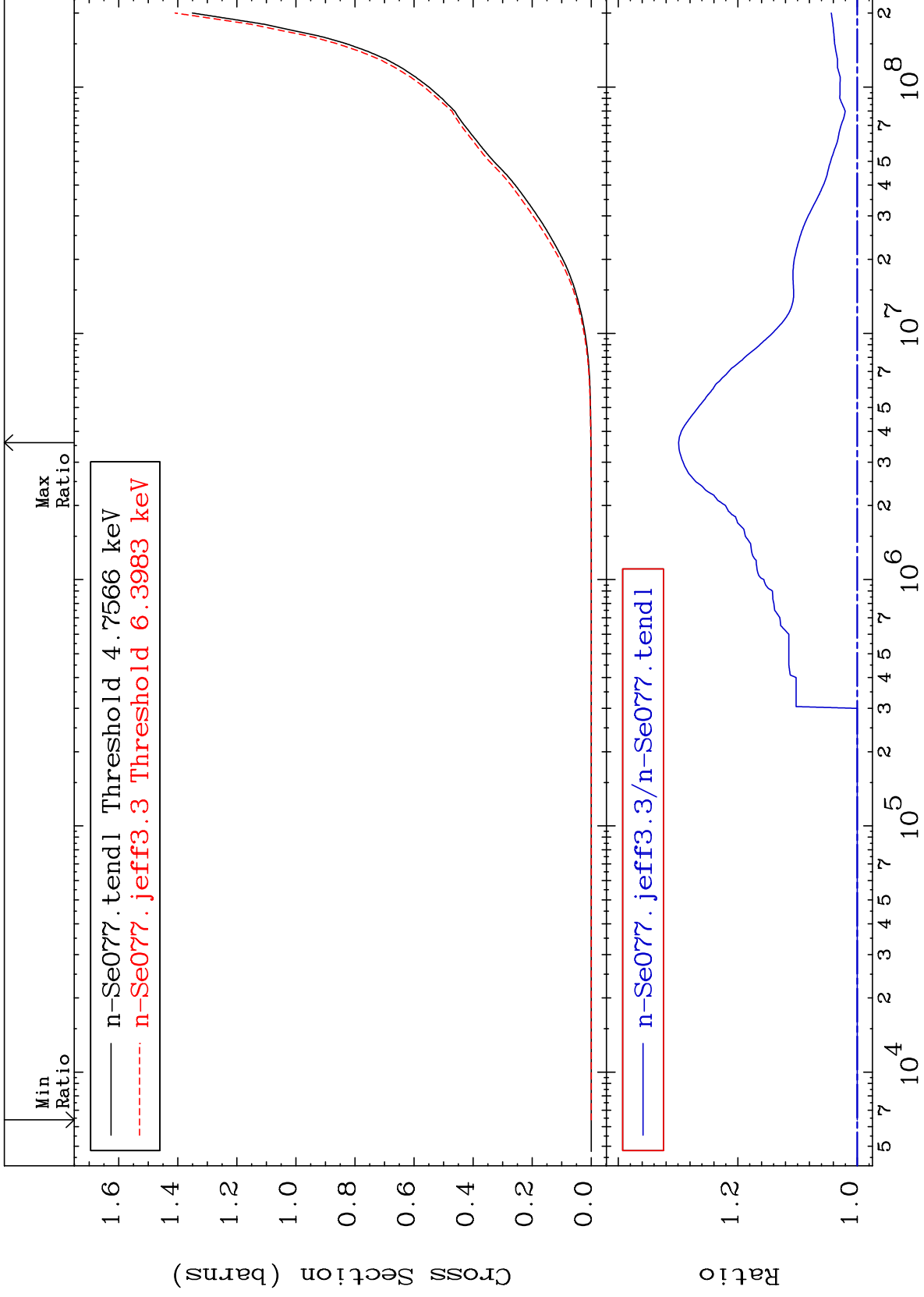
-18.83 To 2551. %



MAT 3434

Hydrogen Production
Cross Section

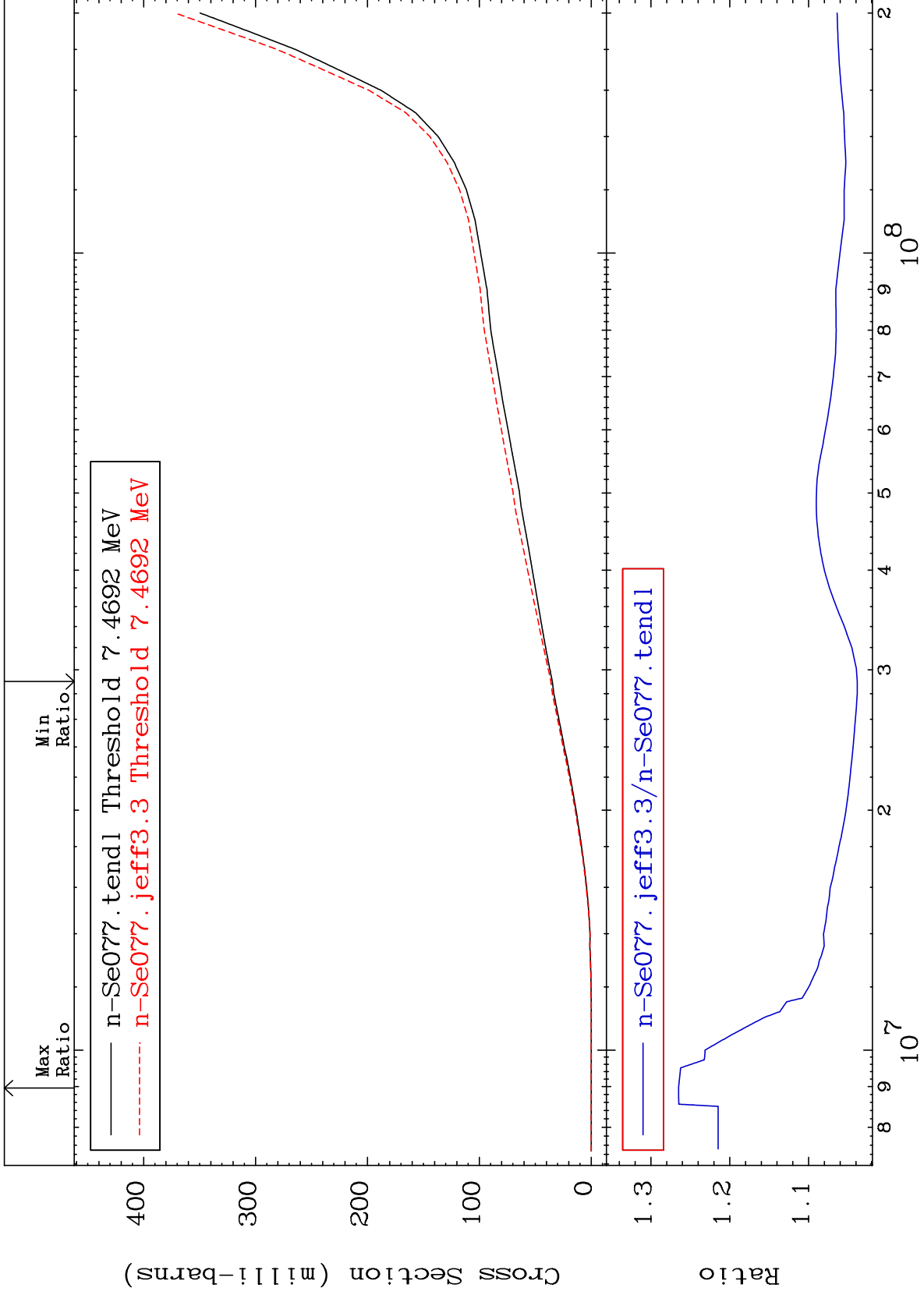
³⁴Se-77
To 29.90 %



MAT 3434

Deuterium Production
Cross Section

$^{34}\text{Se-77}$
3.829 To 26.48 %



64

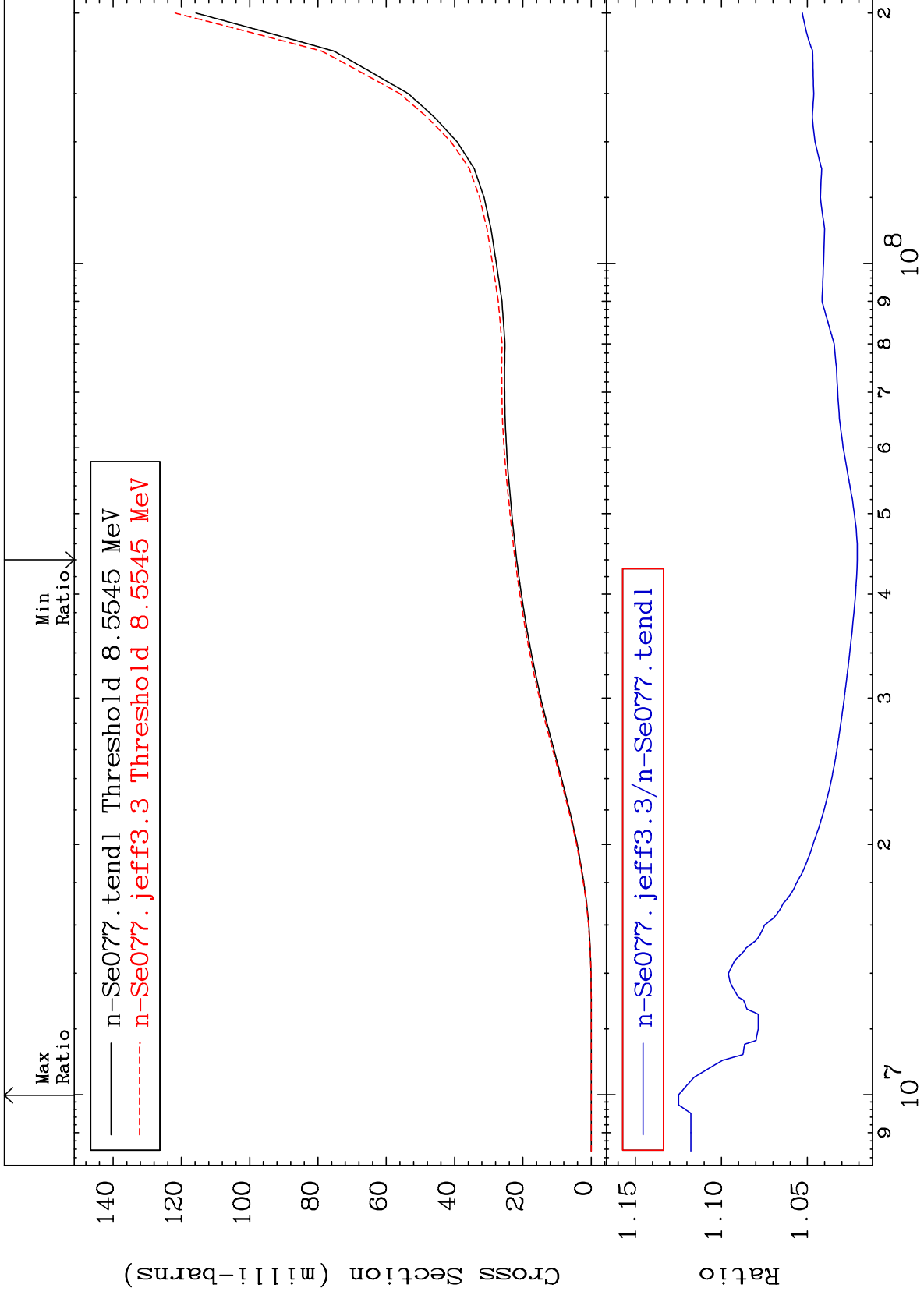
Incident Energy (eV)

$^{34}\text{Se-77}$

MAT 3434

Tritium Production
Cross Section

$^{34}\text{Se-77}$
2.102 To 12.48 %



65

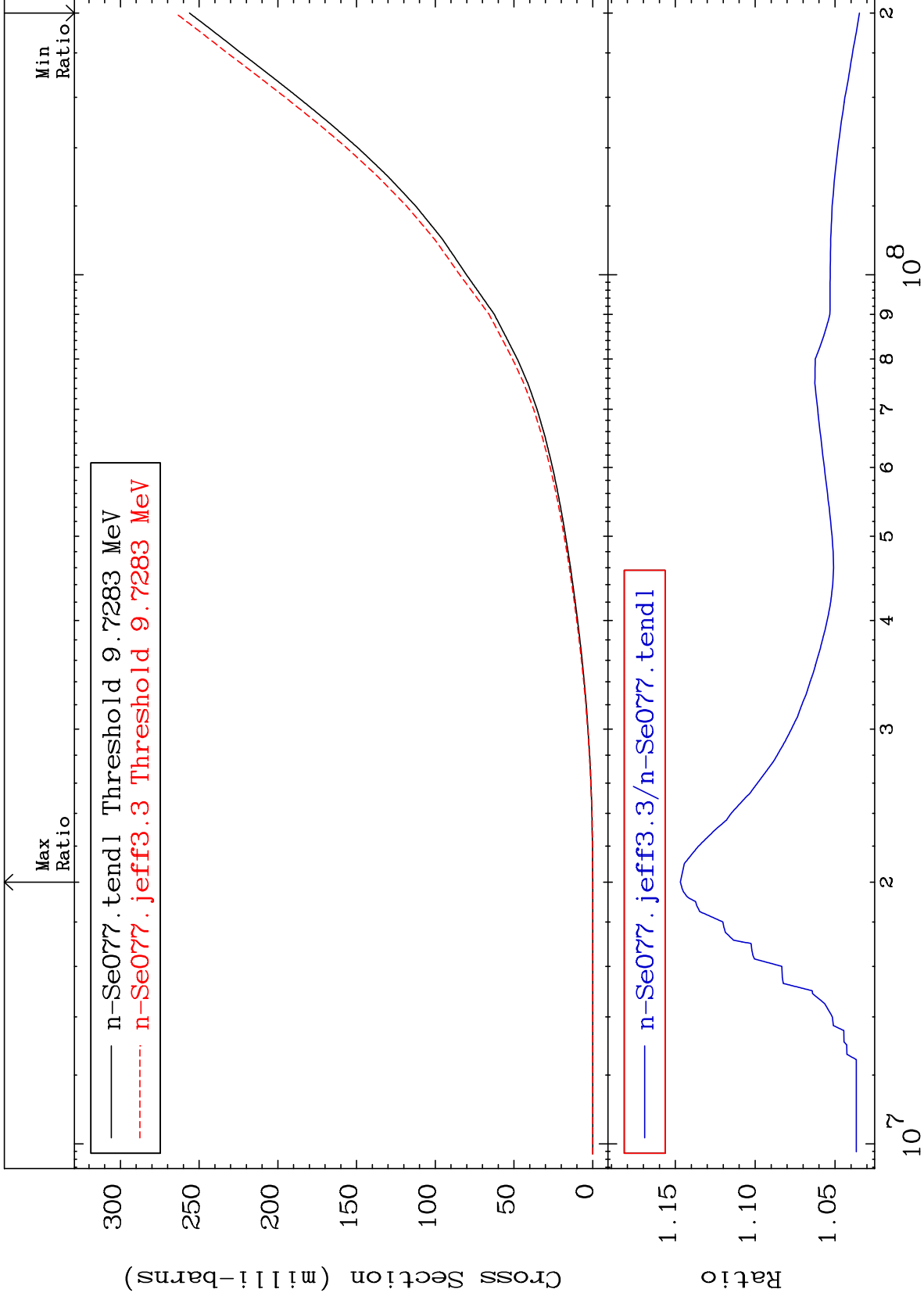
Incident Energy (eV)

$^{34}\text{Se-77}$

MAT 3434

He-3 Production
Cross Section

34-Se-77
3.471 To 14.69 %



66

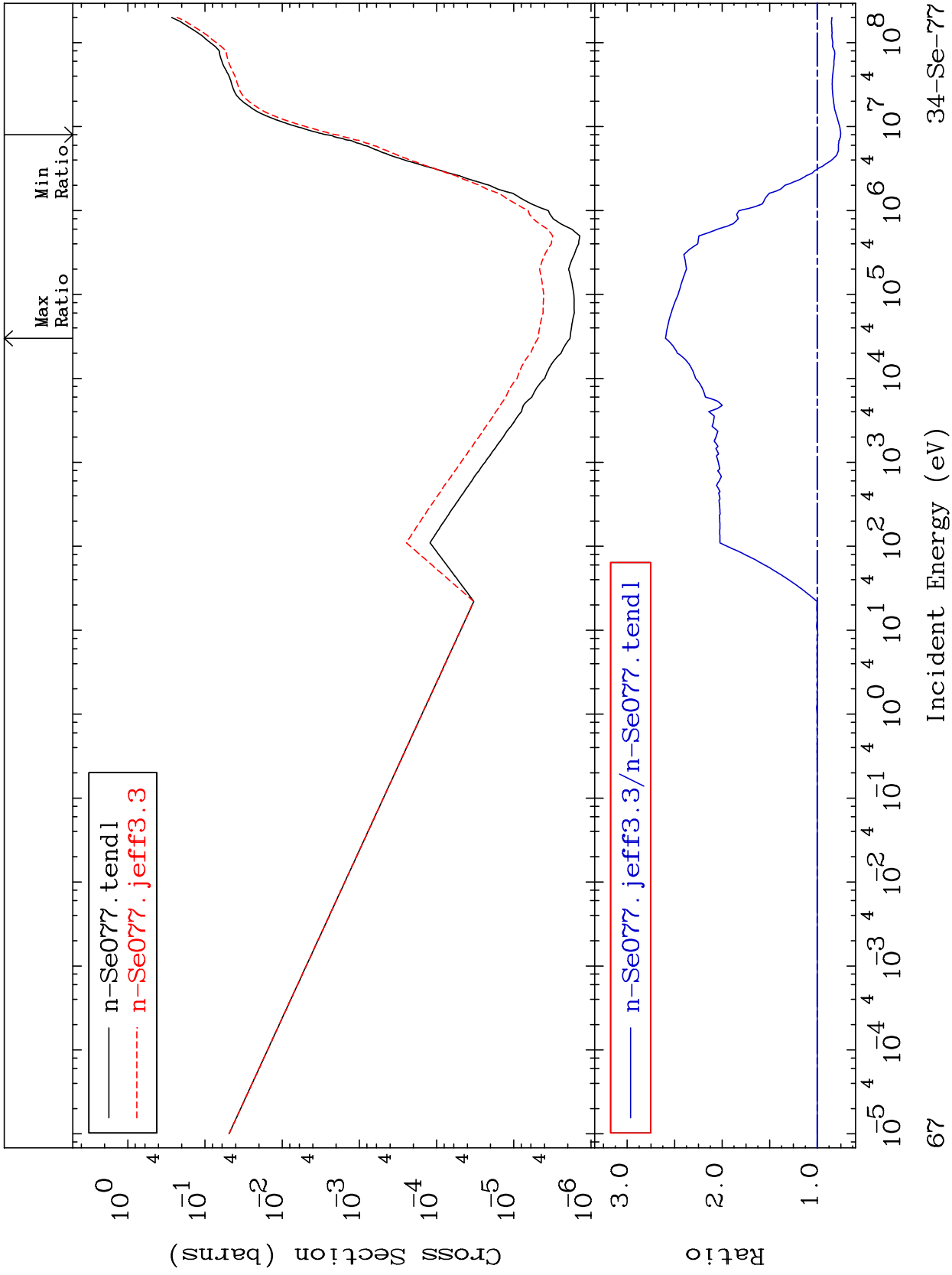
Incident Energy (eV)

34-Se-77

MAT 3434

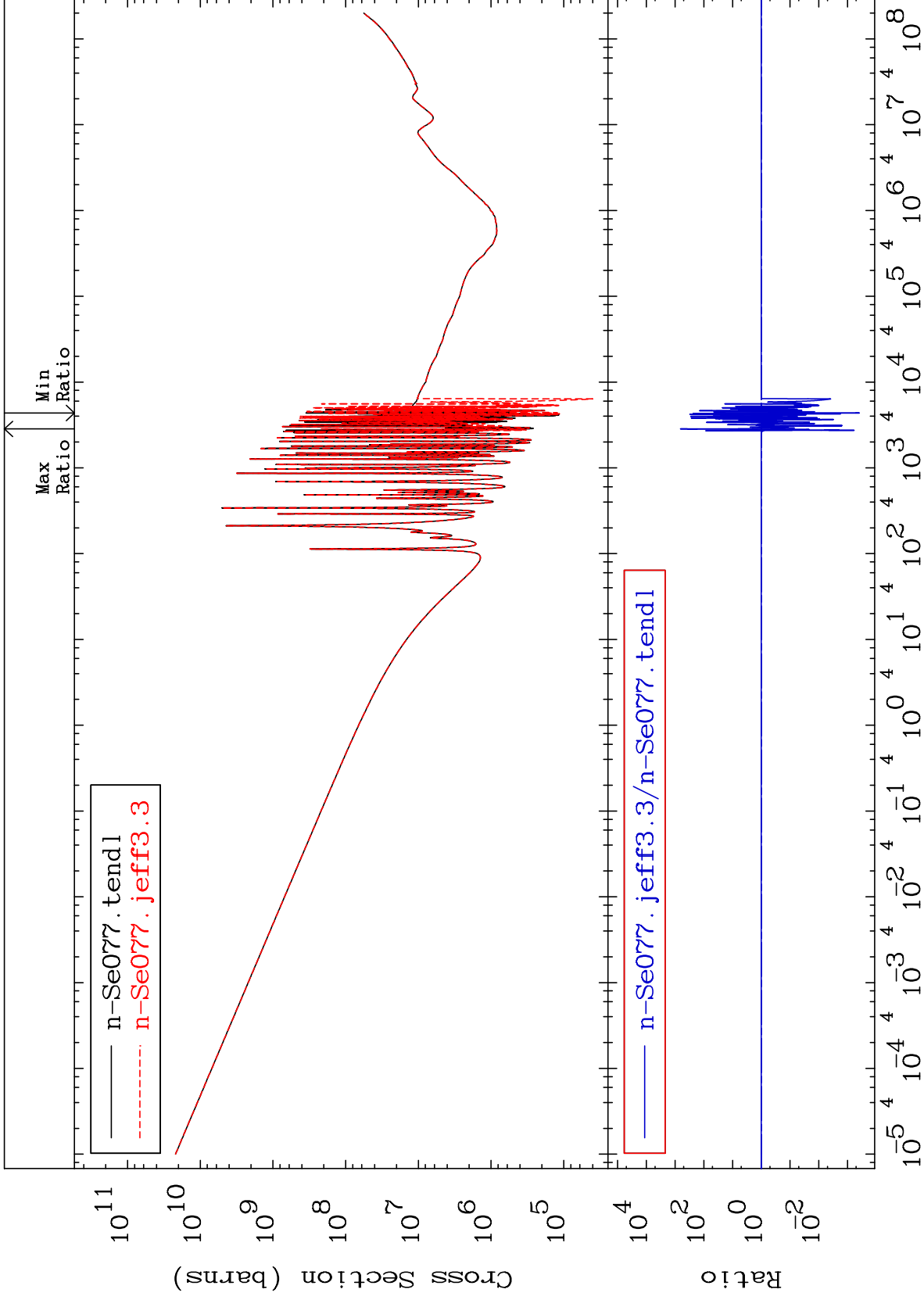
He-4 Production
Cross Section

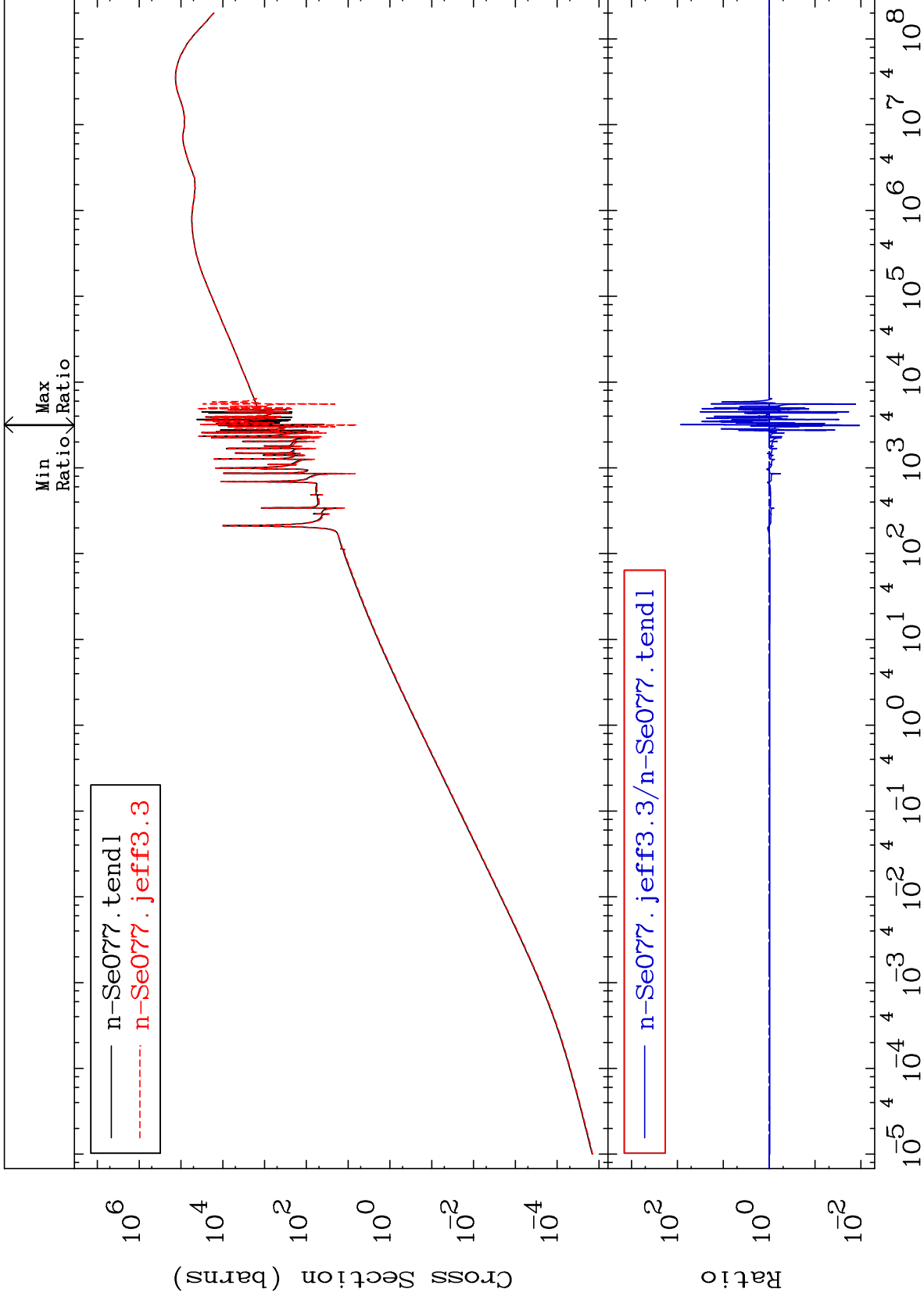
³⁴Se-77
-24.74 To 159.7 %



67

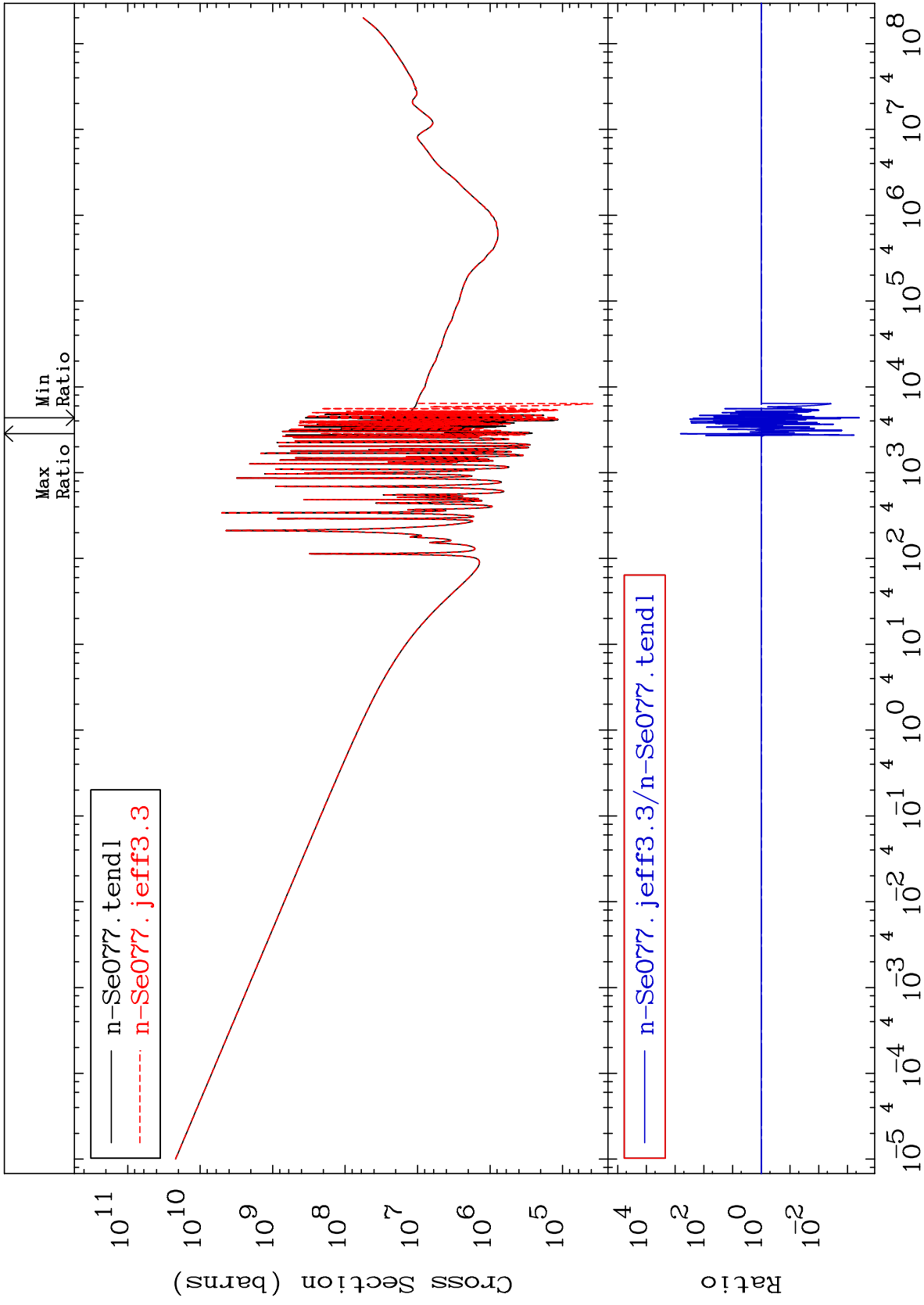
³⁴Se-77





— n-Se077.tendl
- - - n-Se077.jeff3.3

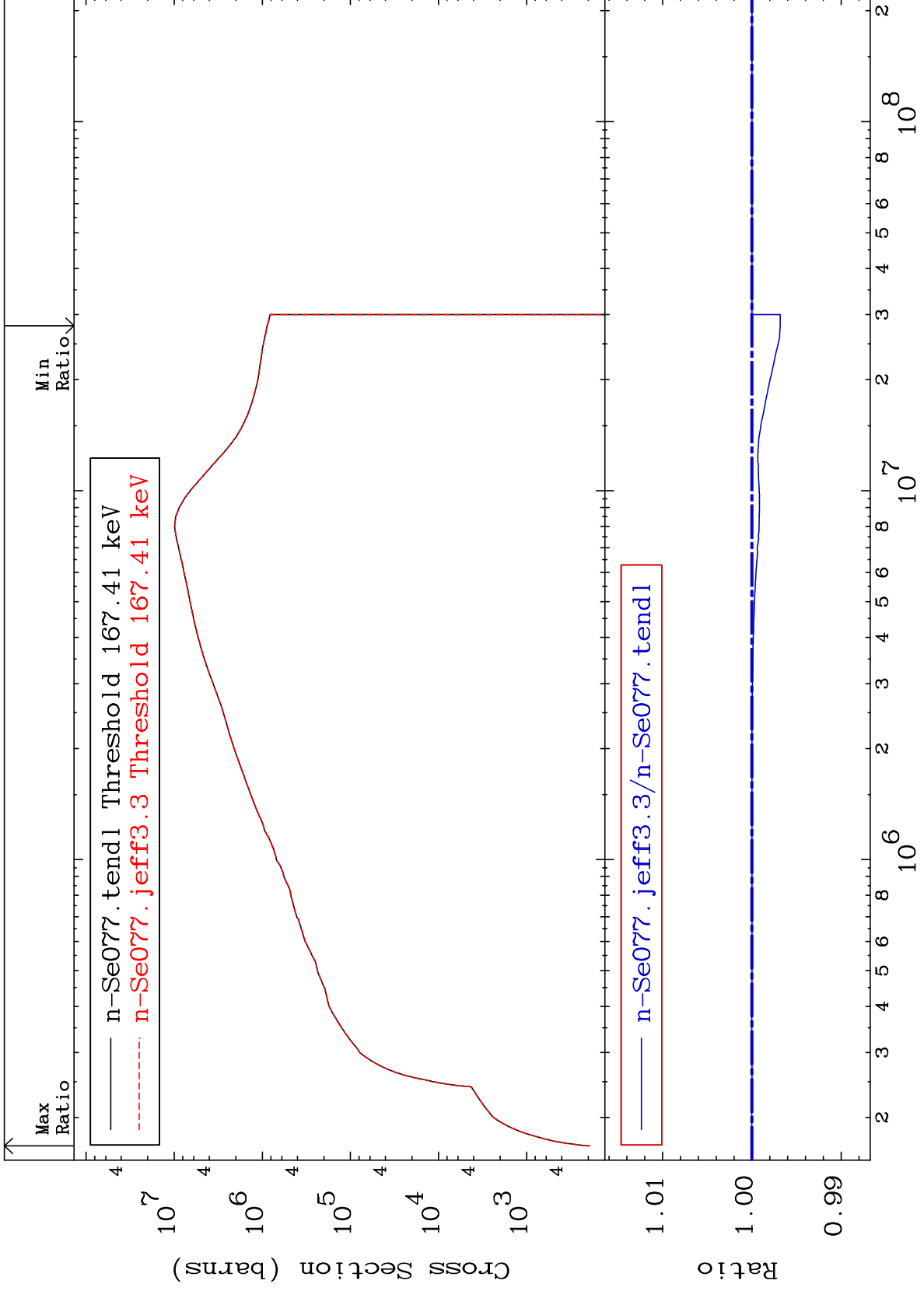
— n-Se077.jeff3.3/n-Se077.tendl



MAT 3434

Kerma inelastic (mt51-91)
Cross Section

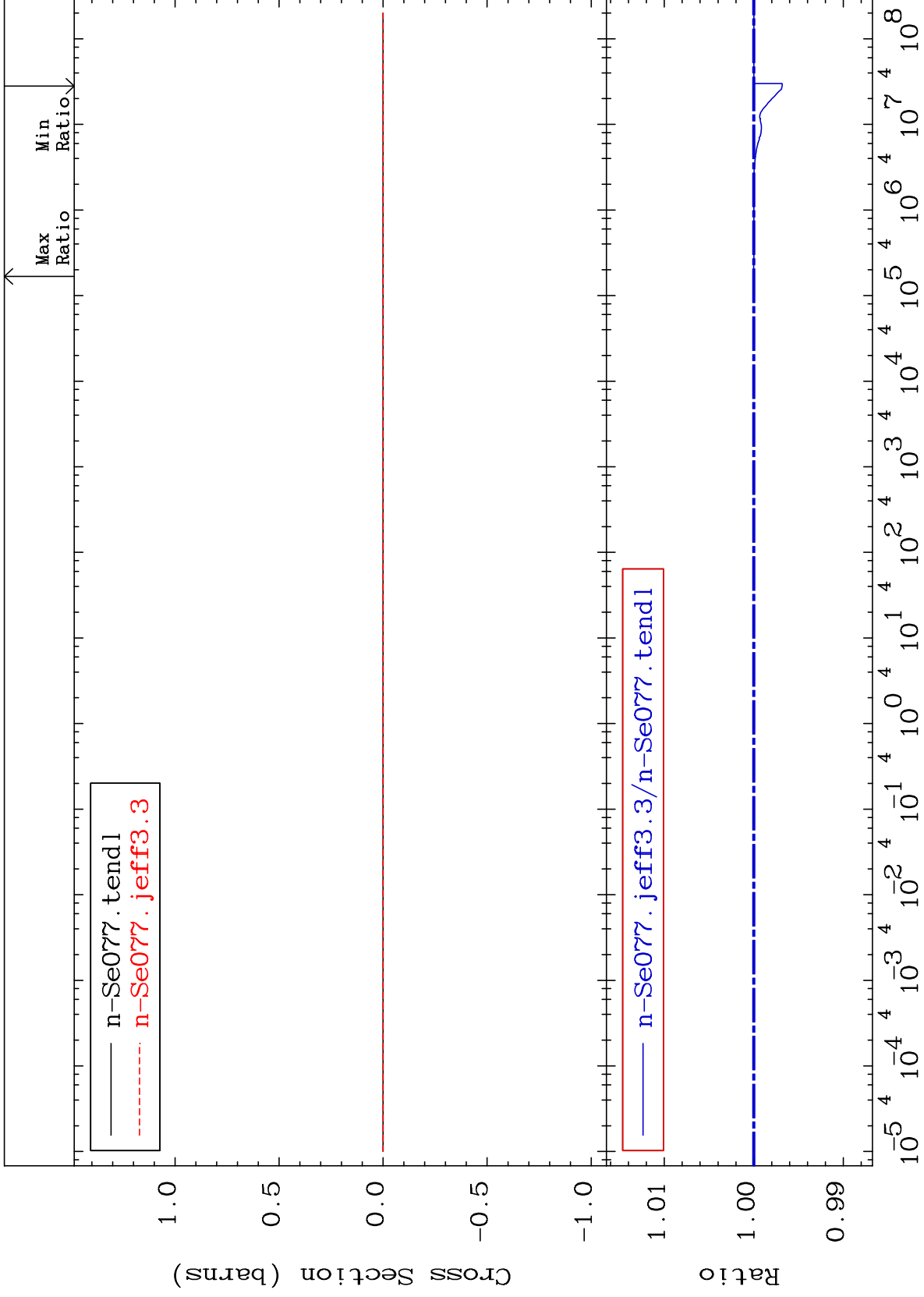
34-Se-77
-0.318 To 0.001 %



71

Incident Energy (eV)

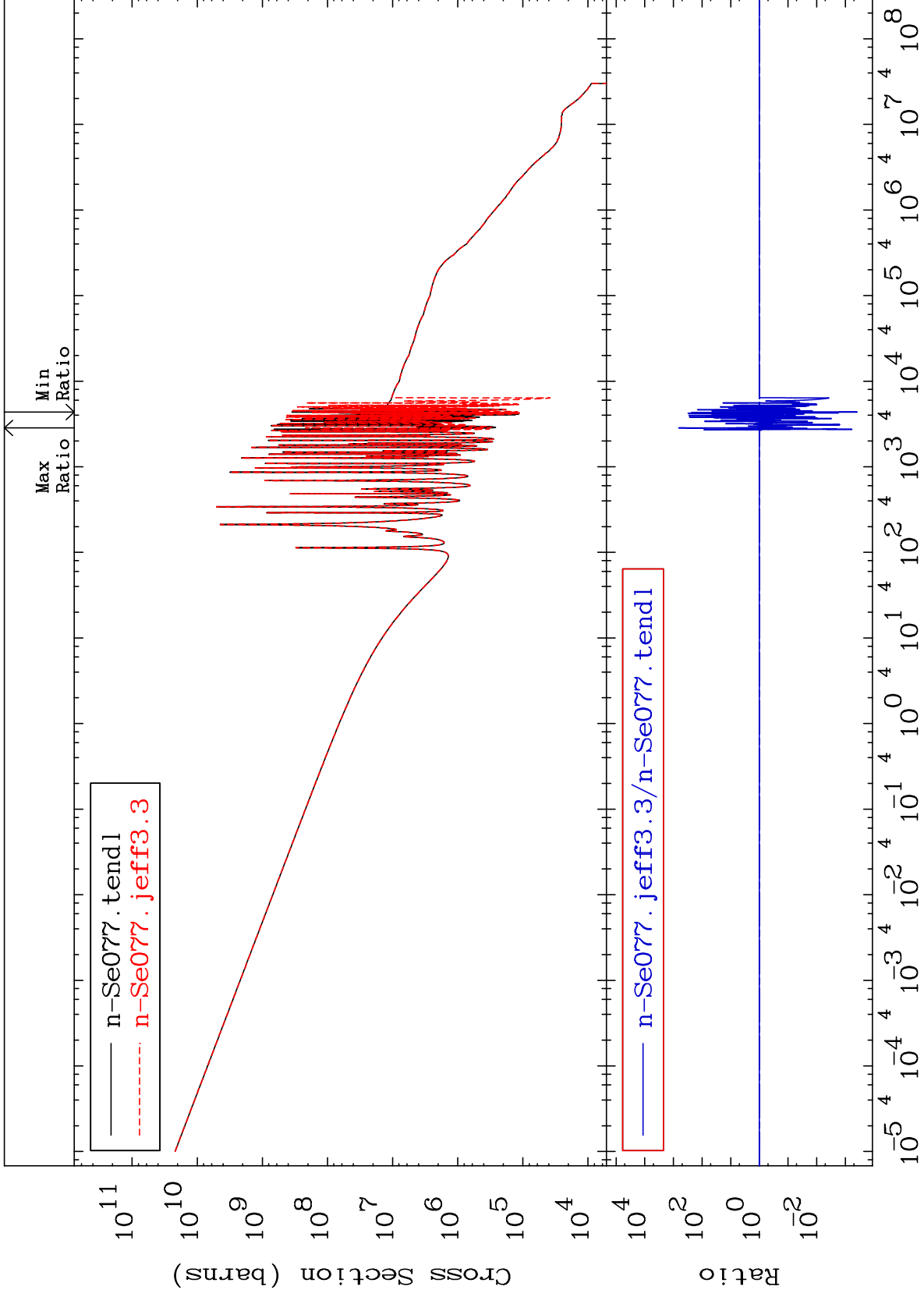
34-Se-77



MAT 3434

Kerma capture (mt102)
Cross Section

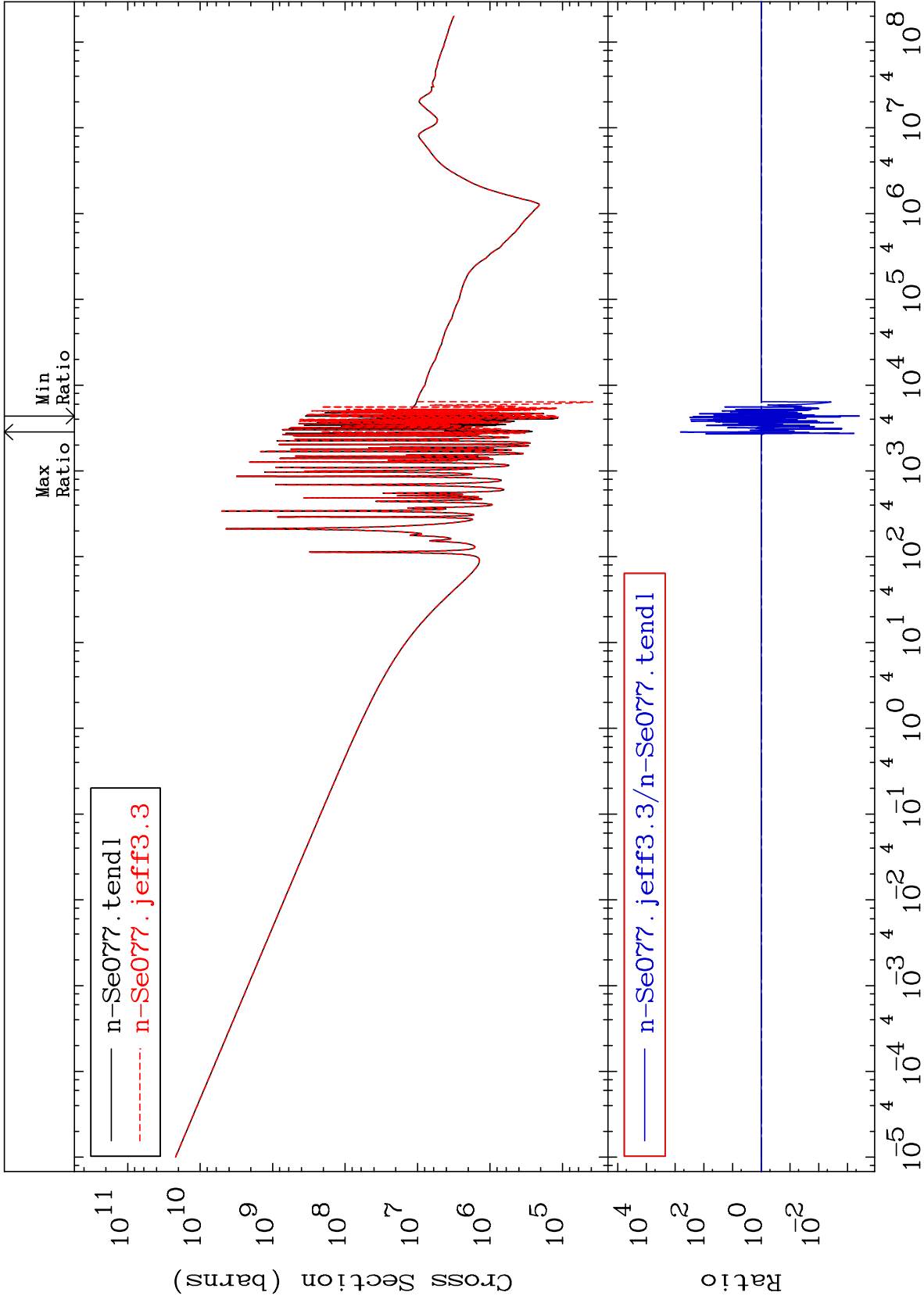
³⁴Se-77
-99.96 To 9999. %



73

Incident Energy (eV)

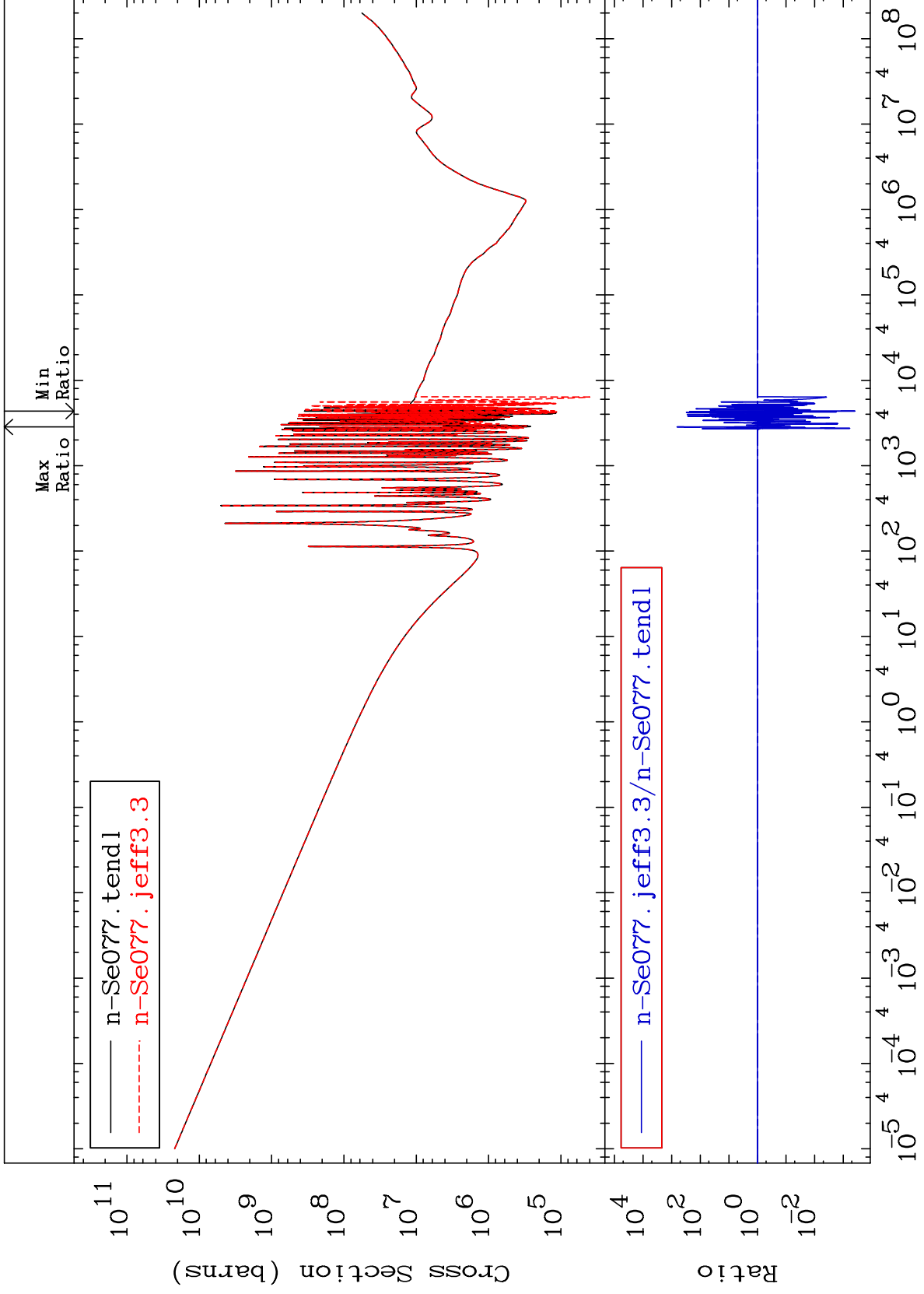
³⁴Se-77



MAT 3434

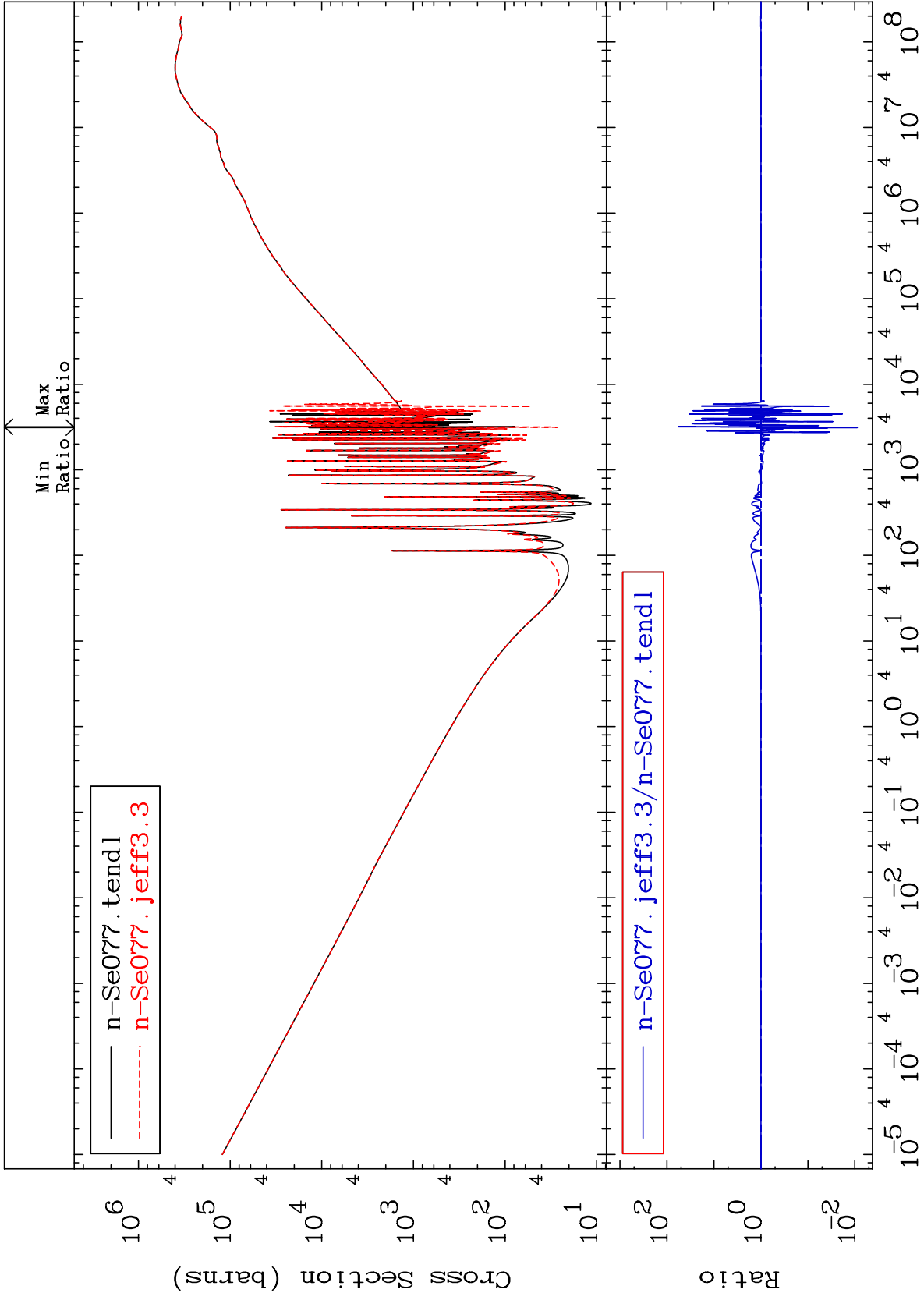
Total kinematic kerma (high limit)
Cross Section

34-Se-77
-99.96 To 9999. %



75

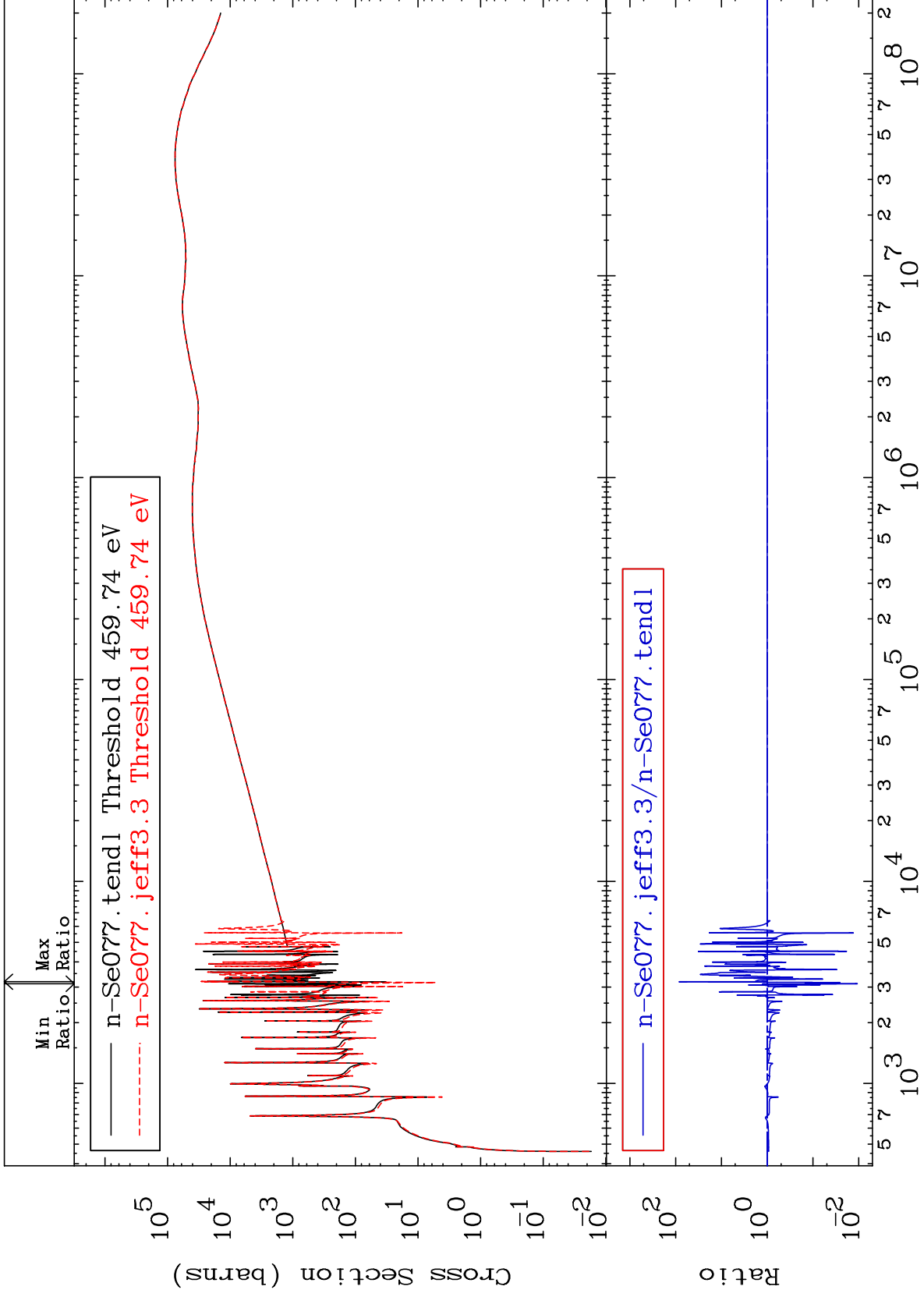
34-Se-77



MAT 3434

Dpa elastic (mt2)
Cross Section

34-Se-77
-98.92 To 8535. %



77

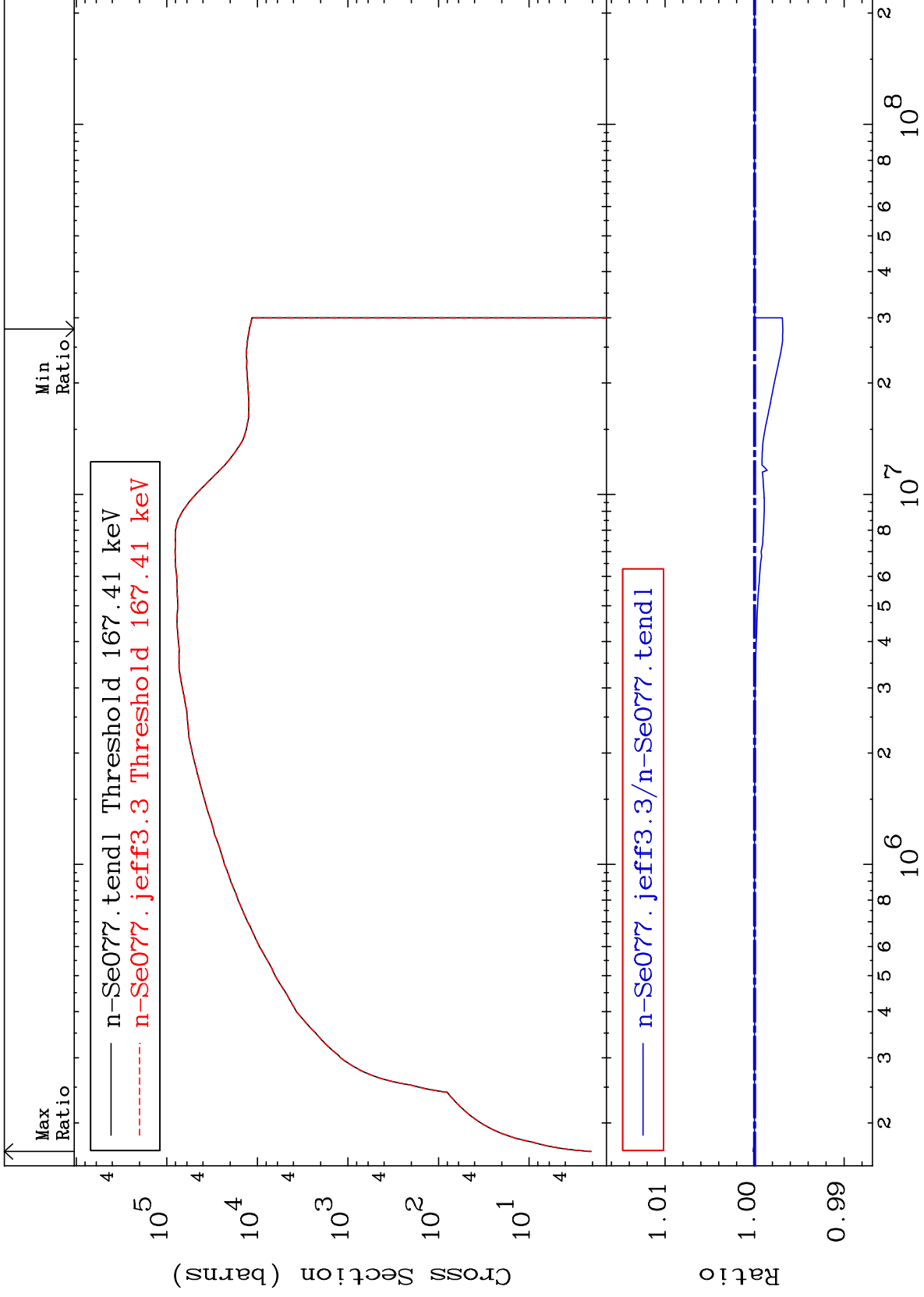
Incident Energy (eV)

34-Se-77

MAT 3434

Dpa inelastic (mt51-91)
Cross Section

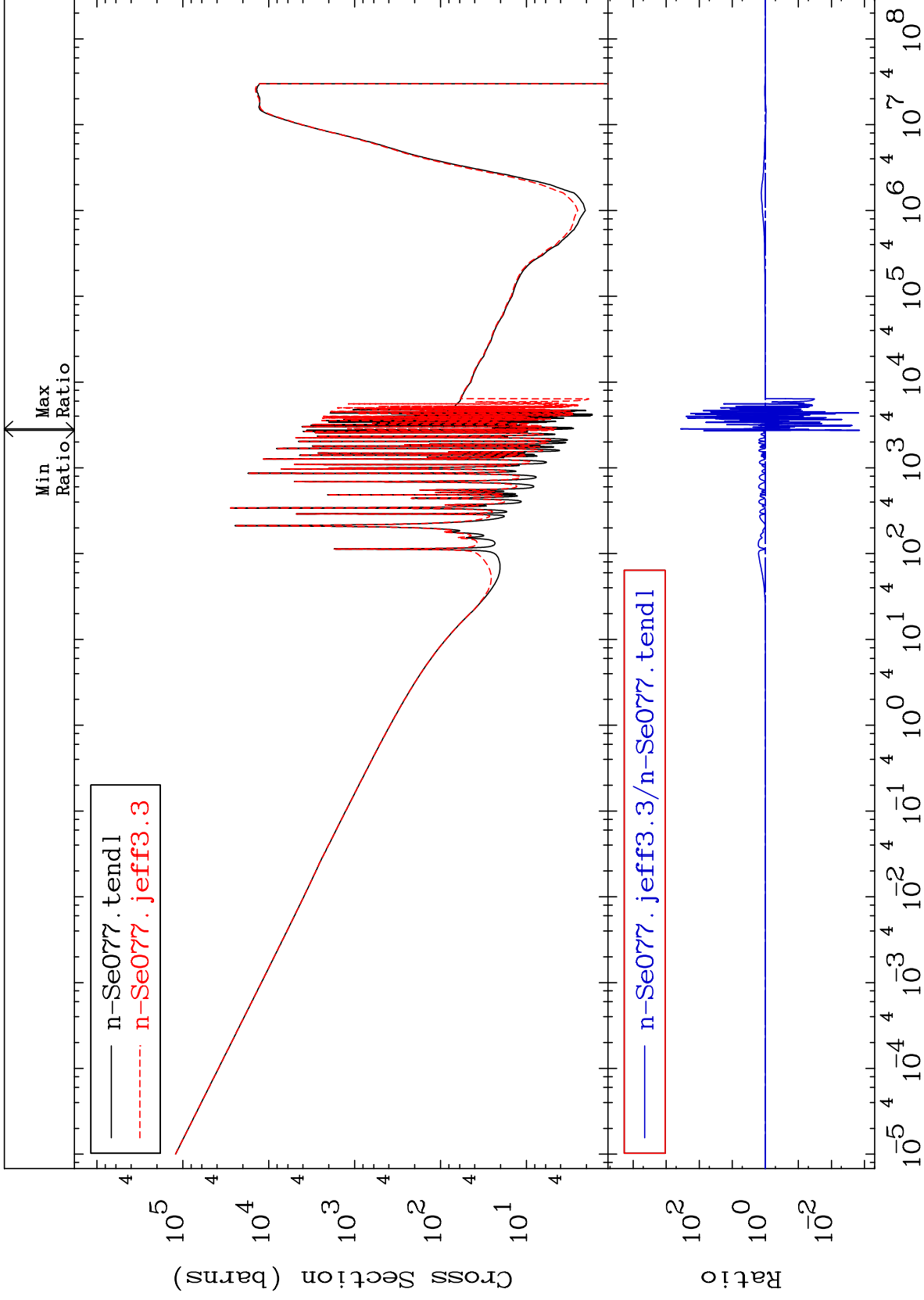
³⁴Se-77
-0.316 To 0.018 %



78

Incident Energy (eV)

³⁴Se-77

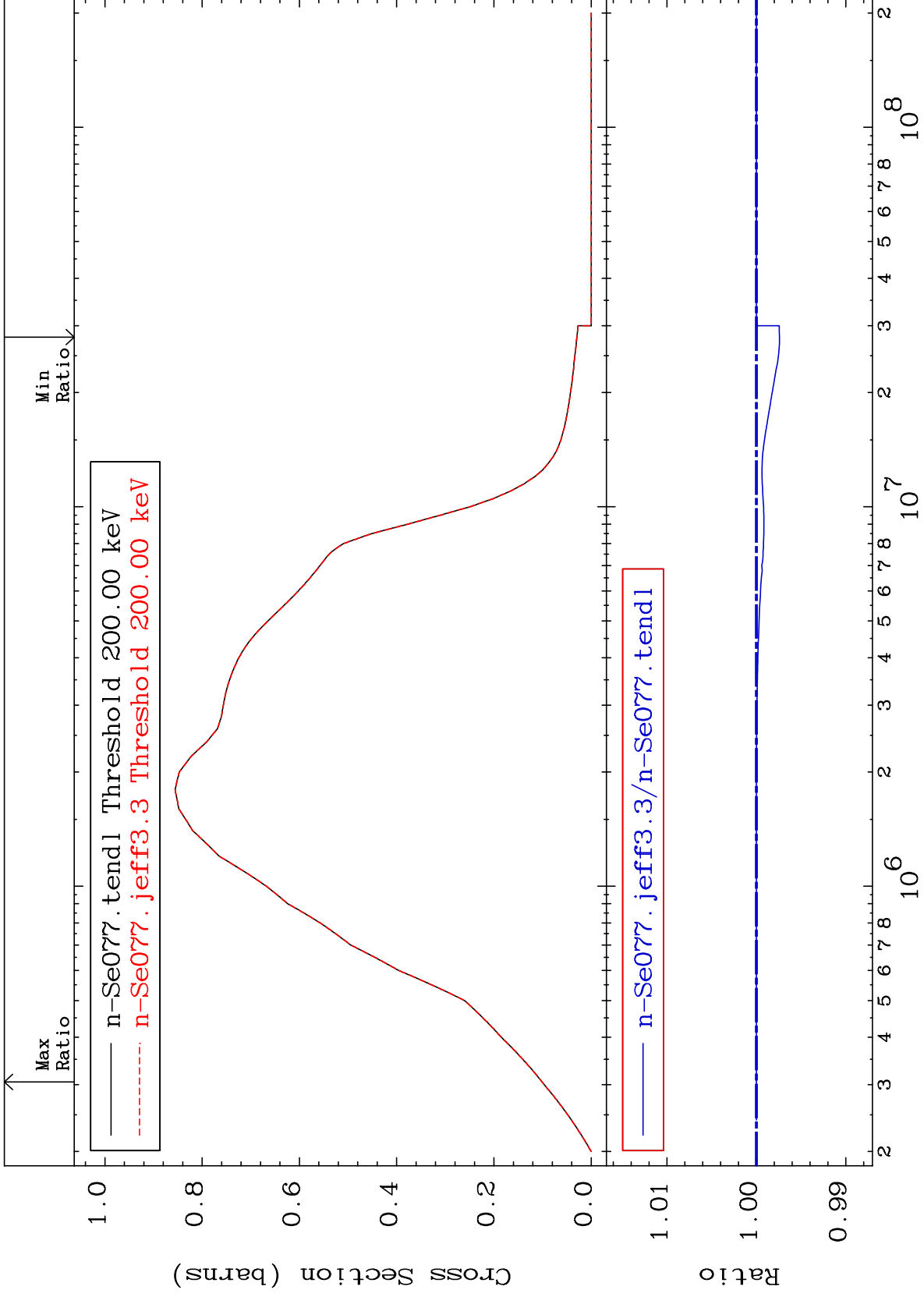


MAT 3434

Inelastic:34-Se-77g

34-Se-77

Radionuclide Production Cross Section -0.259 To 0.000 %

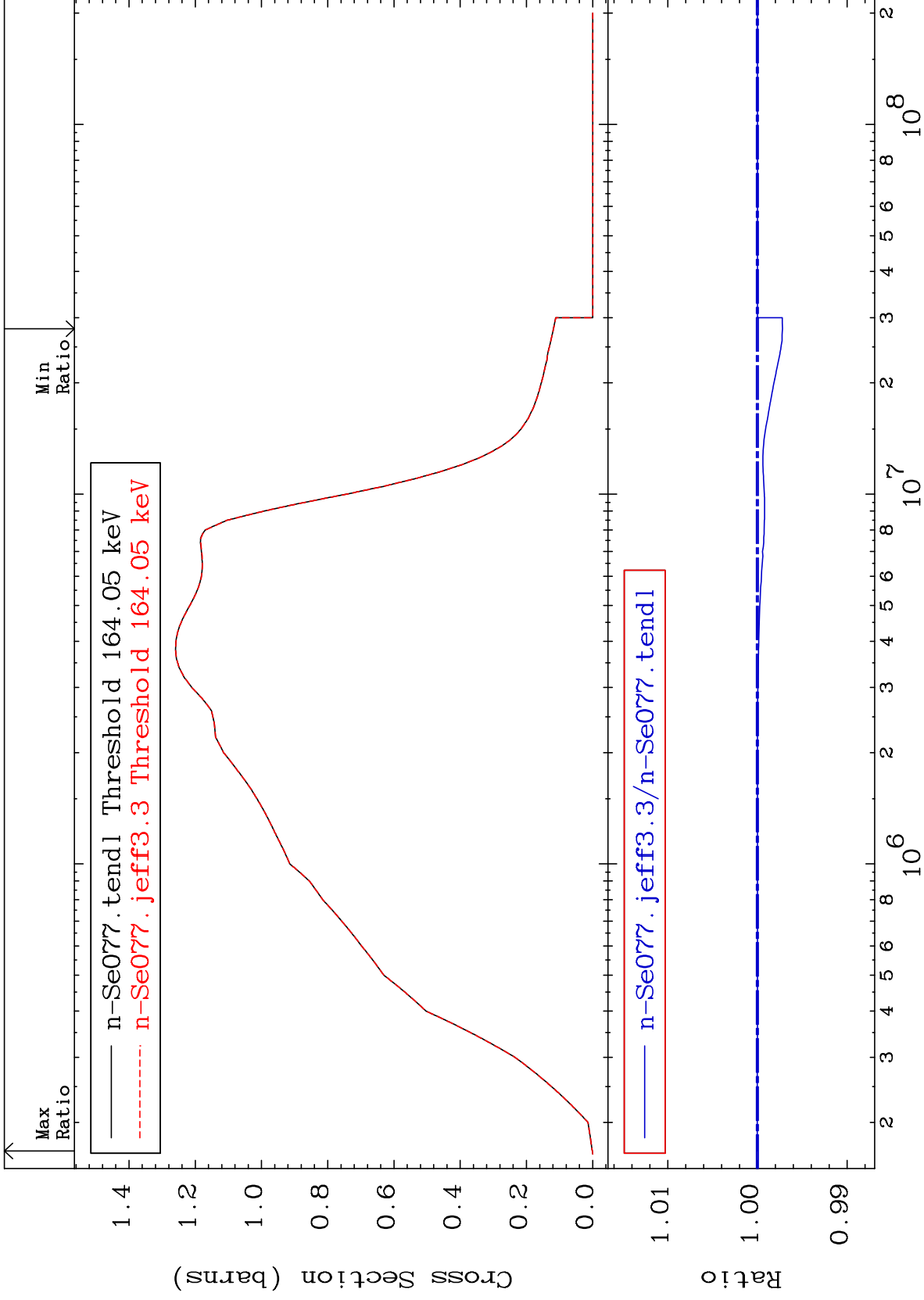


80

Incident Energy (eV)

34-Se-77

Radionuclide Production Cross Section -0.281 To 0.001 %

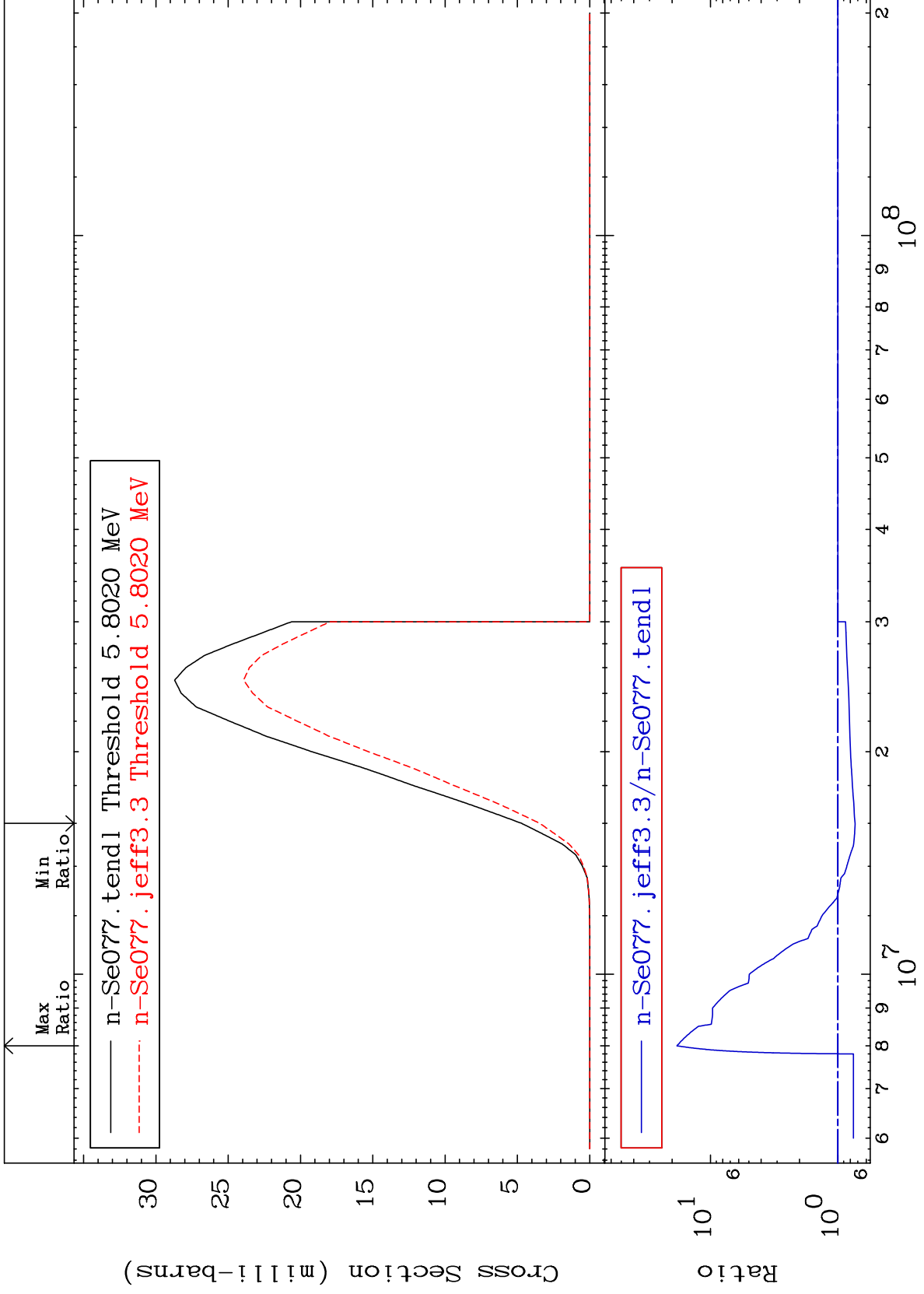


MAT 3434

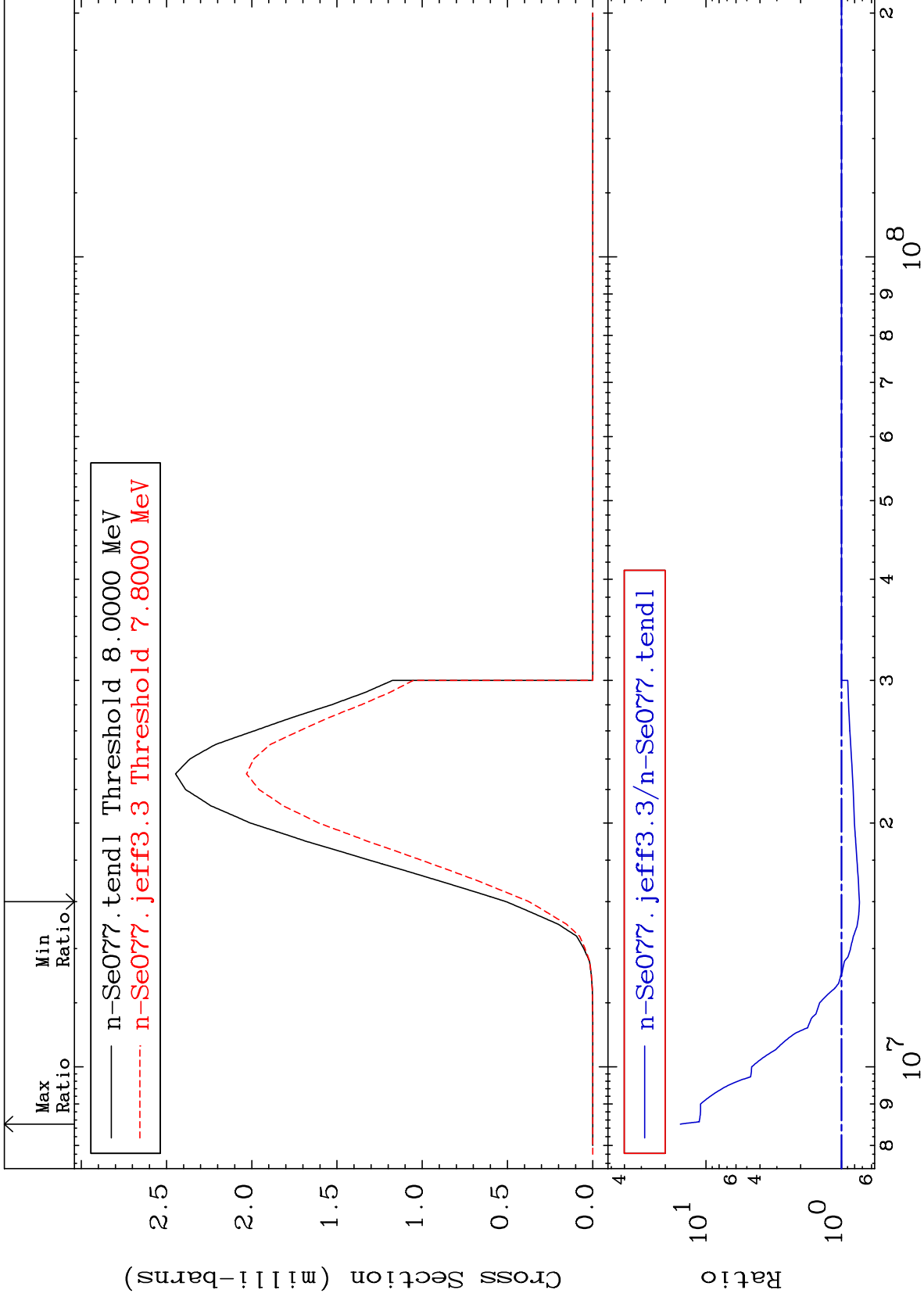
(n, n') α :32-Ge-73g

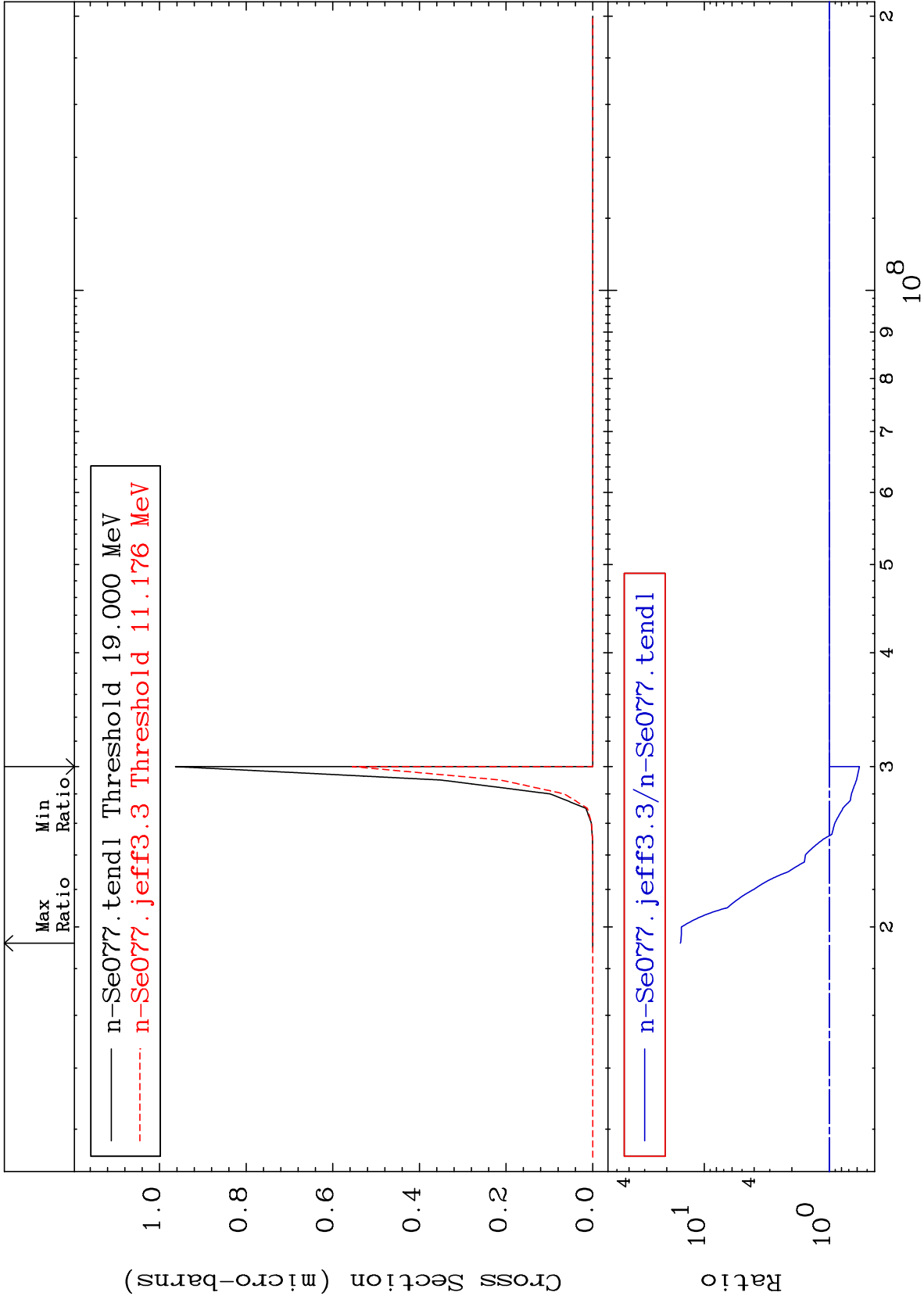
³⁴Se-77

Radionuclide Production Cross Section -26.63 To 1731. %

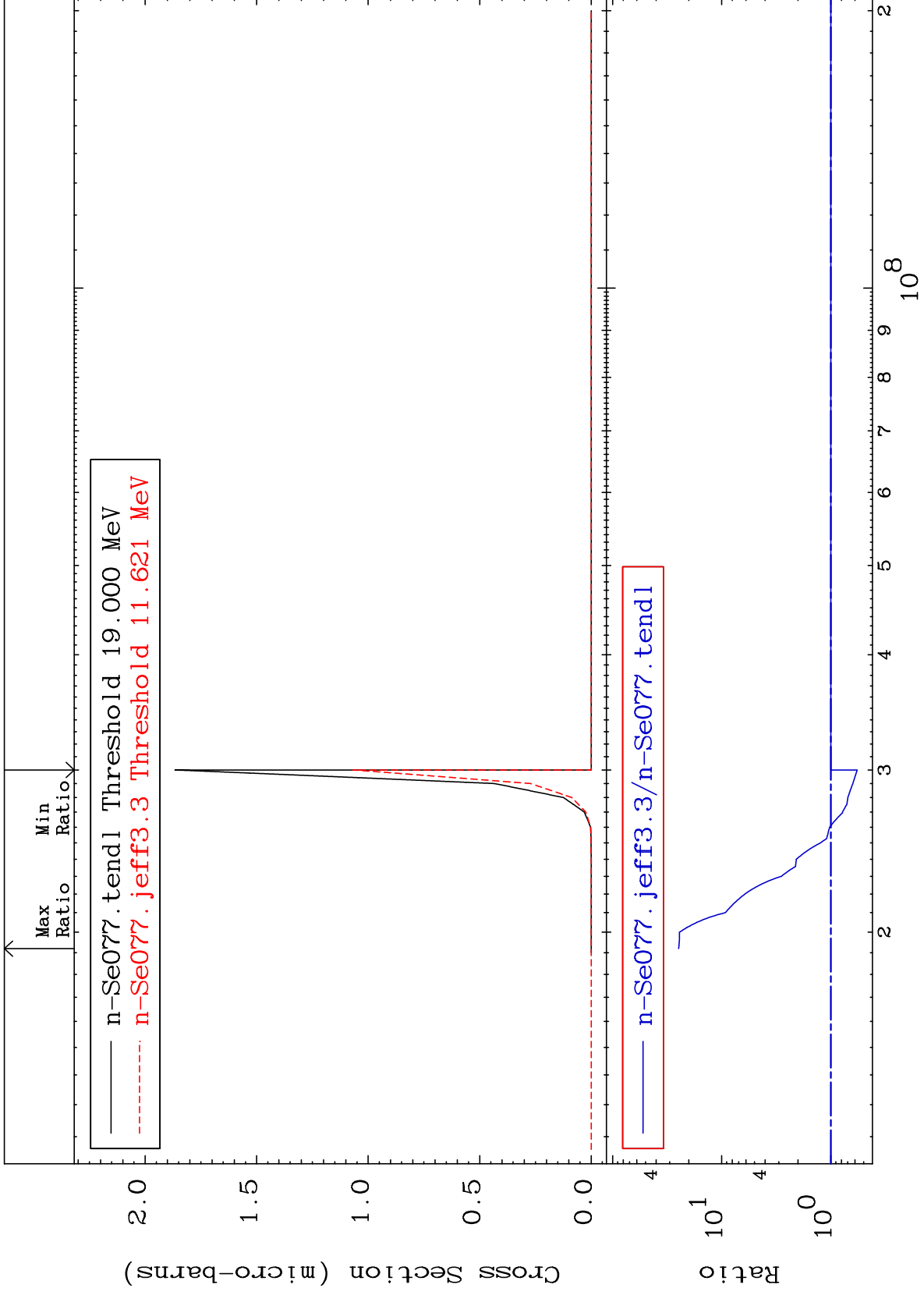


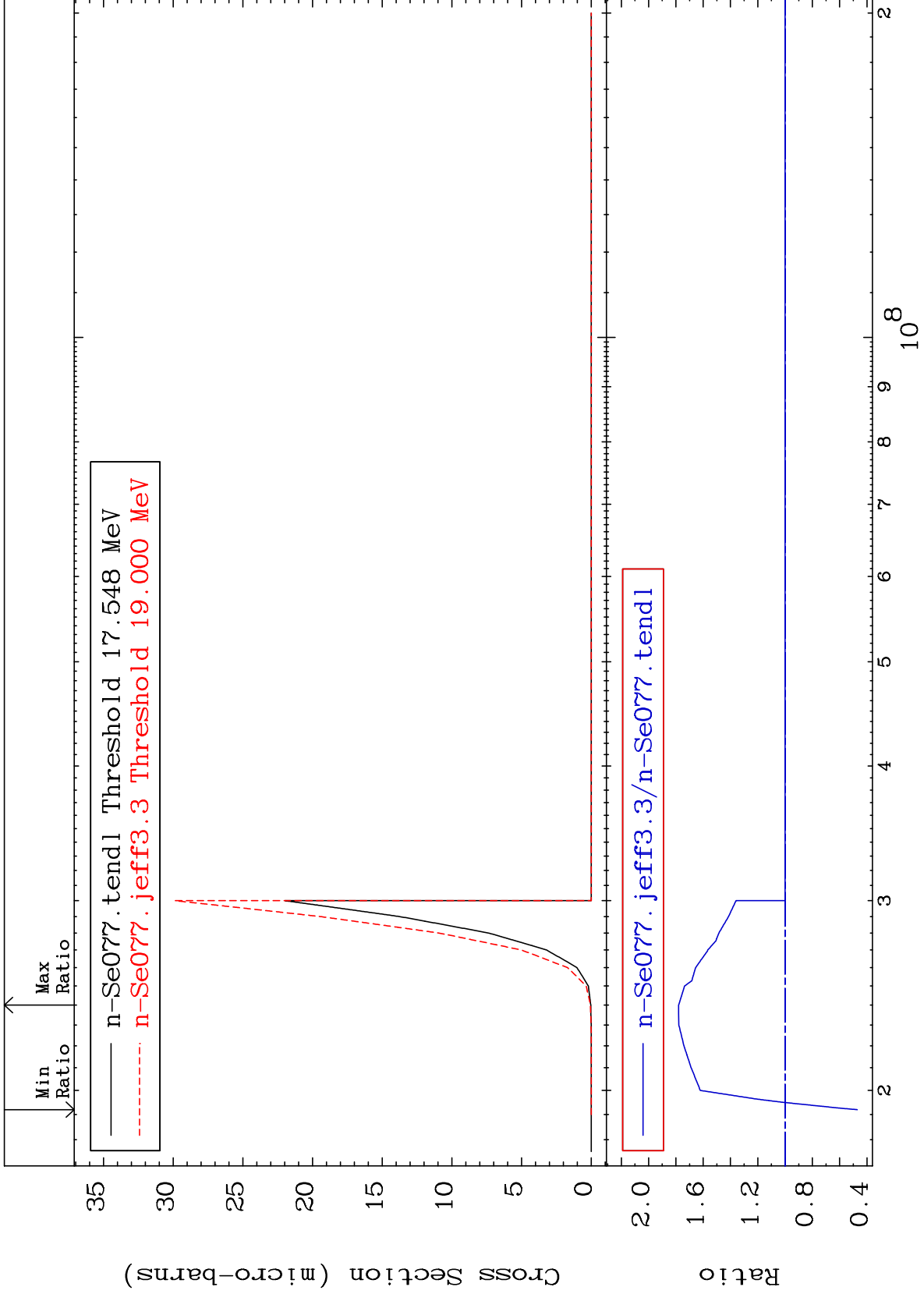
Radionuclide Production Cross Section -26.37 To 1447. %



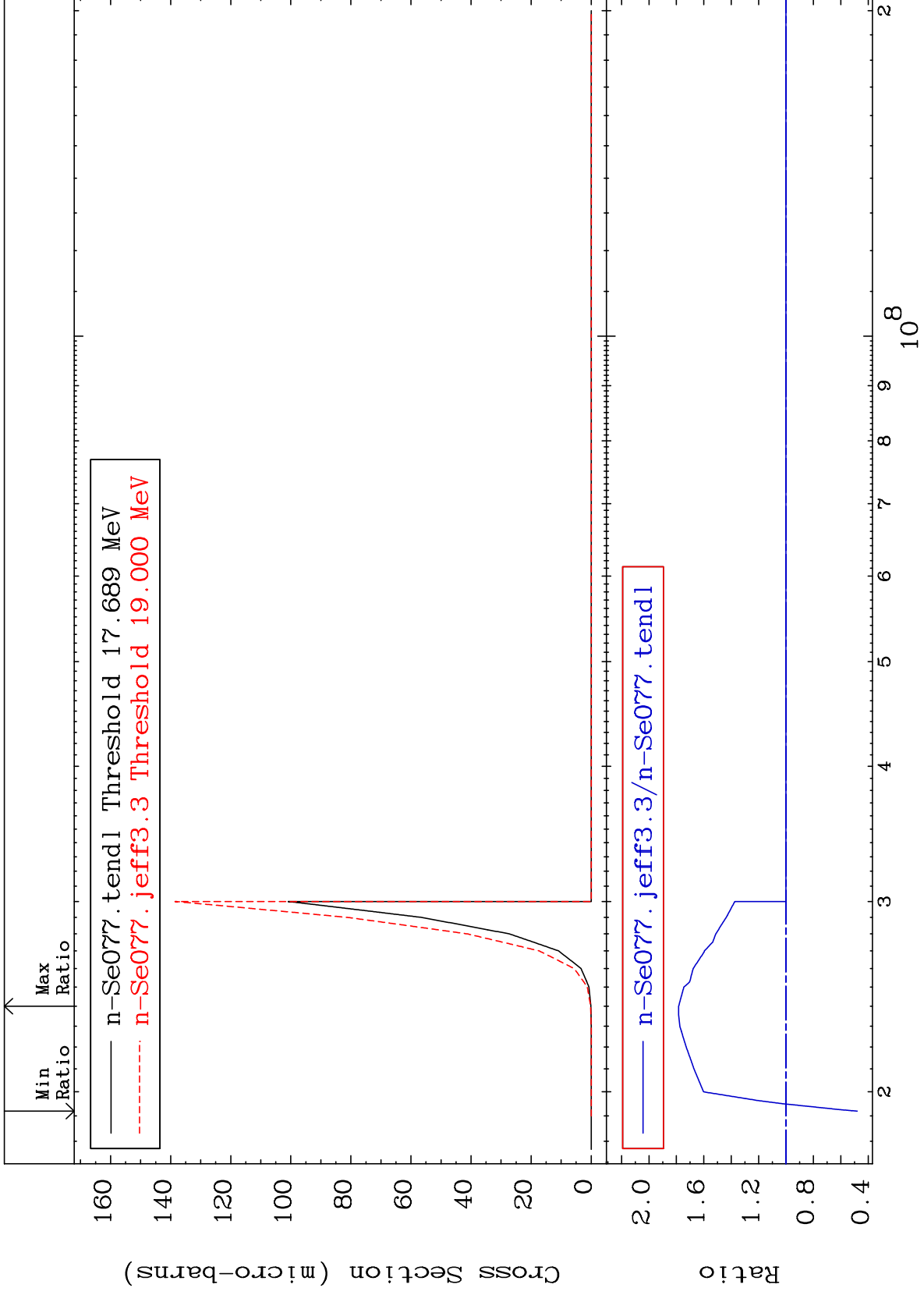


Radionuclide Production Cross Section -42.77 To 2383. %





Radionuclide Production Cross Section -52.02 To 78.37 %

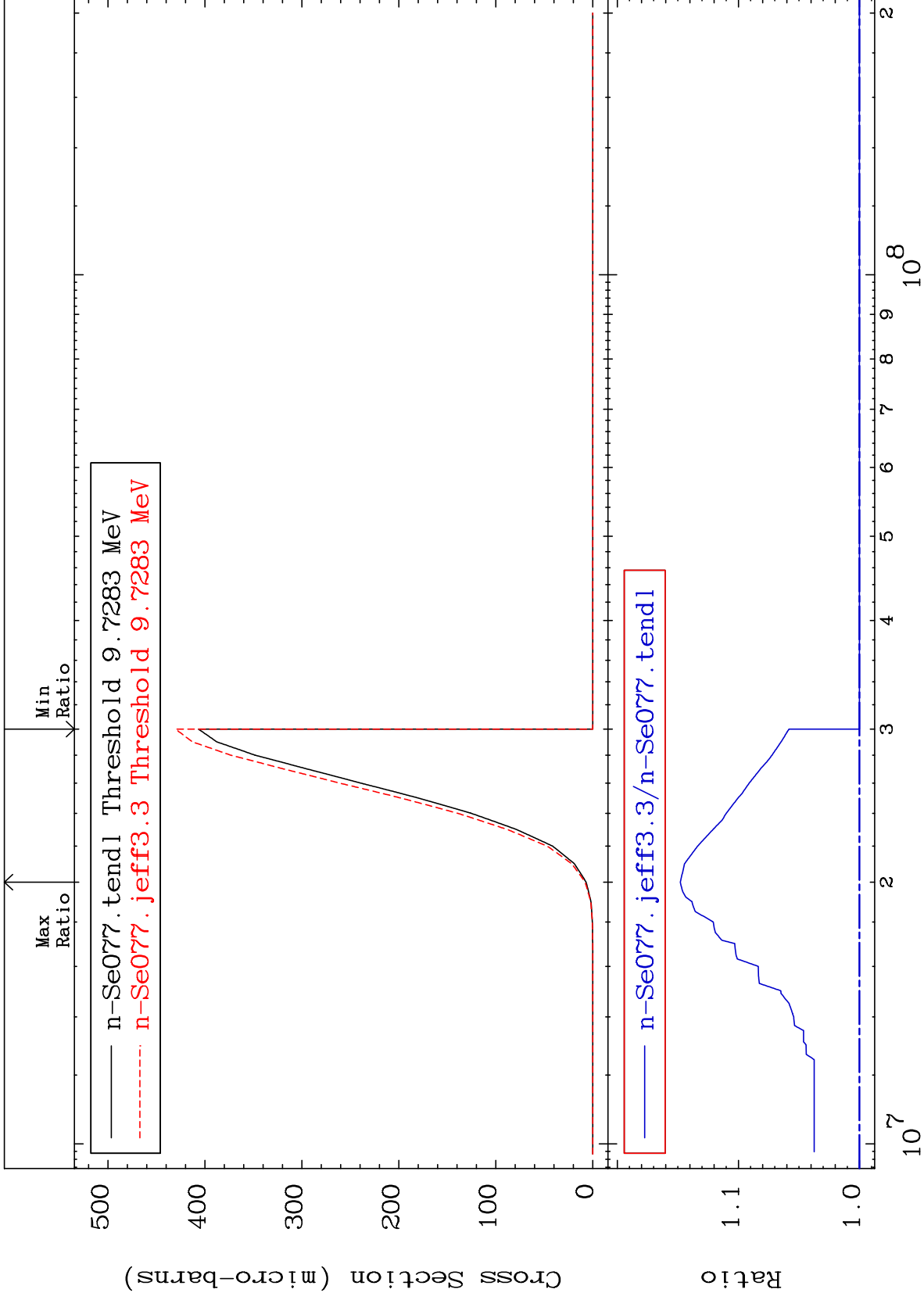


MAT 3434

(n,He-3) : 32-Ge-75g

34-Se-77
To 14.79 %

Radionuclide Production Cross Section 0.000



88

Incident Energy (eV)

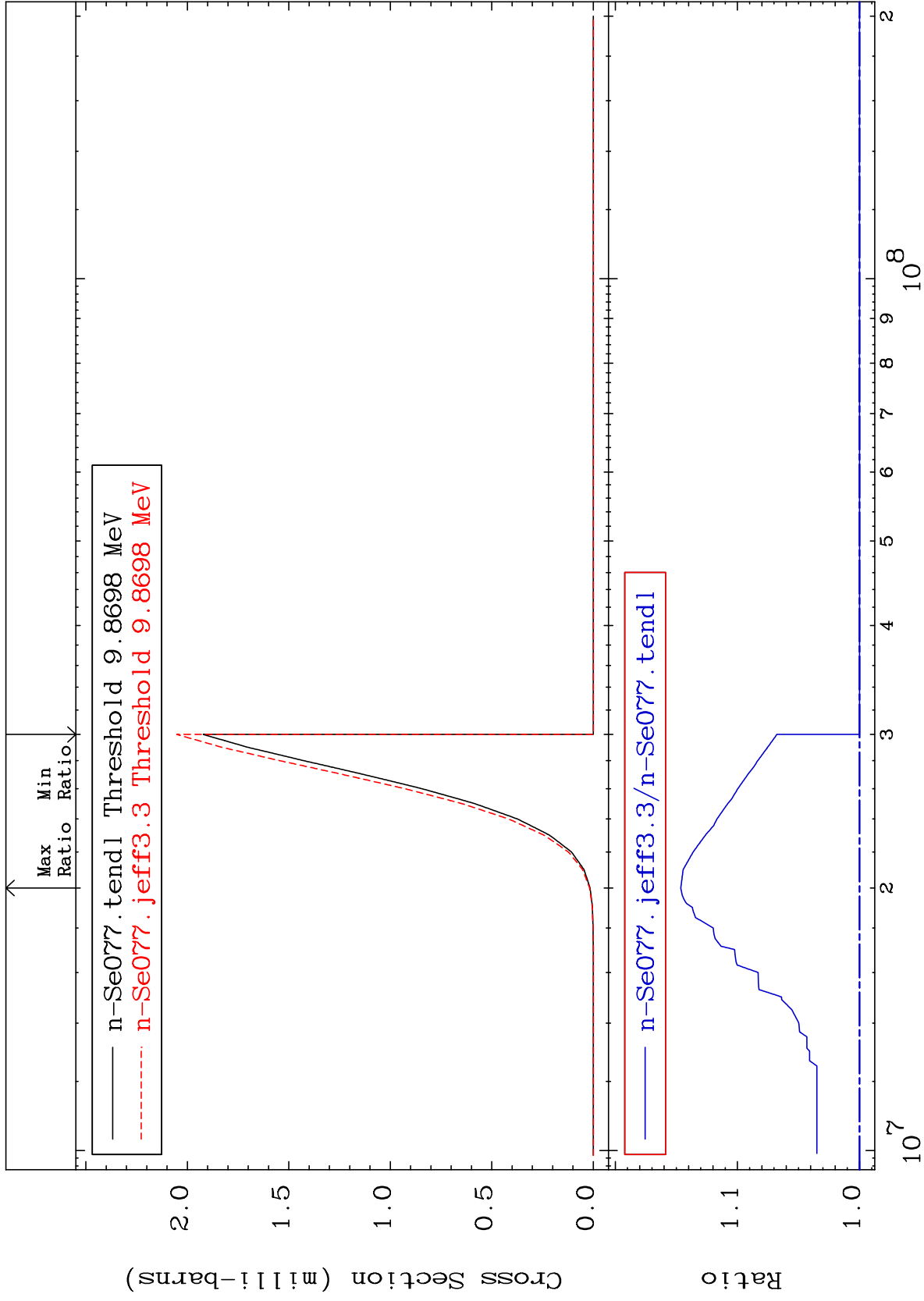
34-Se-77

MAT 3434

(n,He-3) : 32-Ge-75m2

34-Se-77

Radionuclide Production Cross Section 0.000 To 14.64 %

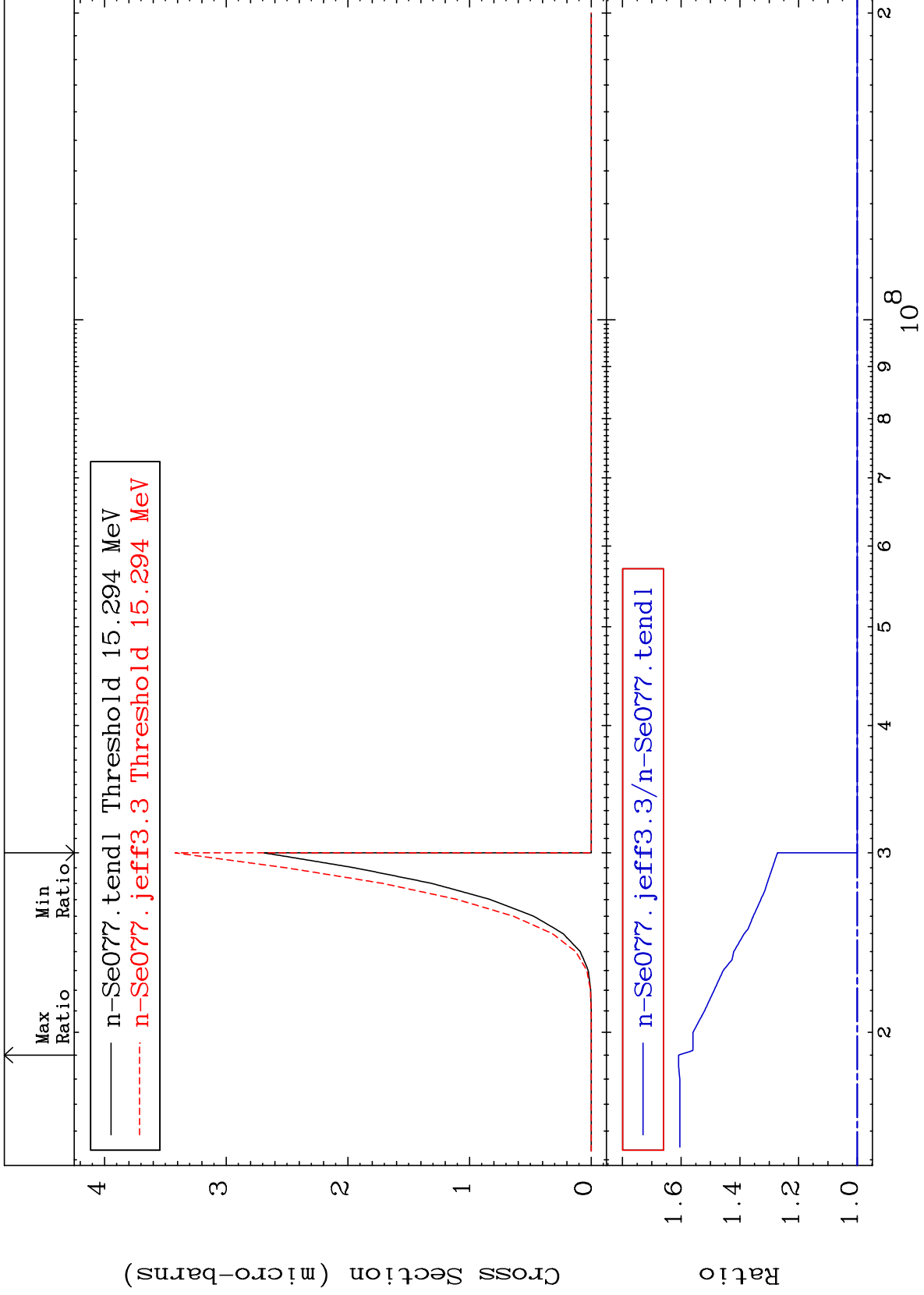


MAT 3434

(n, p) d:32-Ge-75g

³⁴Se-77

Radionuclide Production Cross Section 0.000 To 60.86 %



MAT 3434

(n, p) d:32-Ge-75m2

34-Se-77

Radionuclide Production Cross Section 0.000 To 59.21 %

