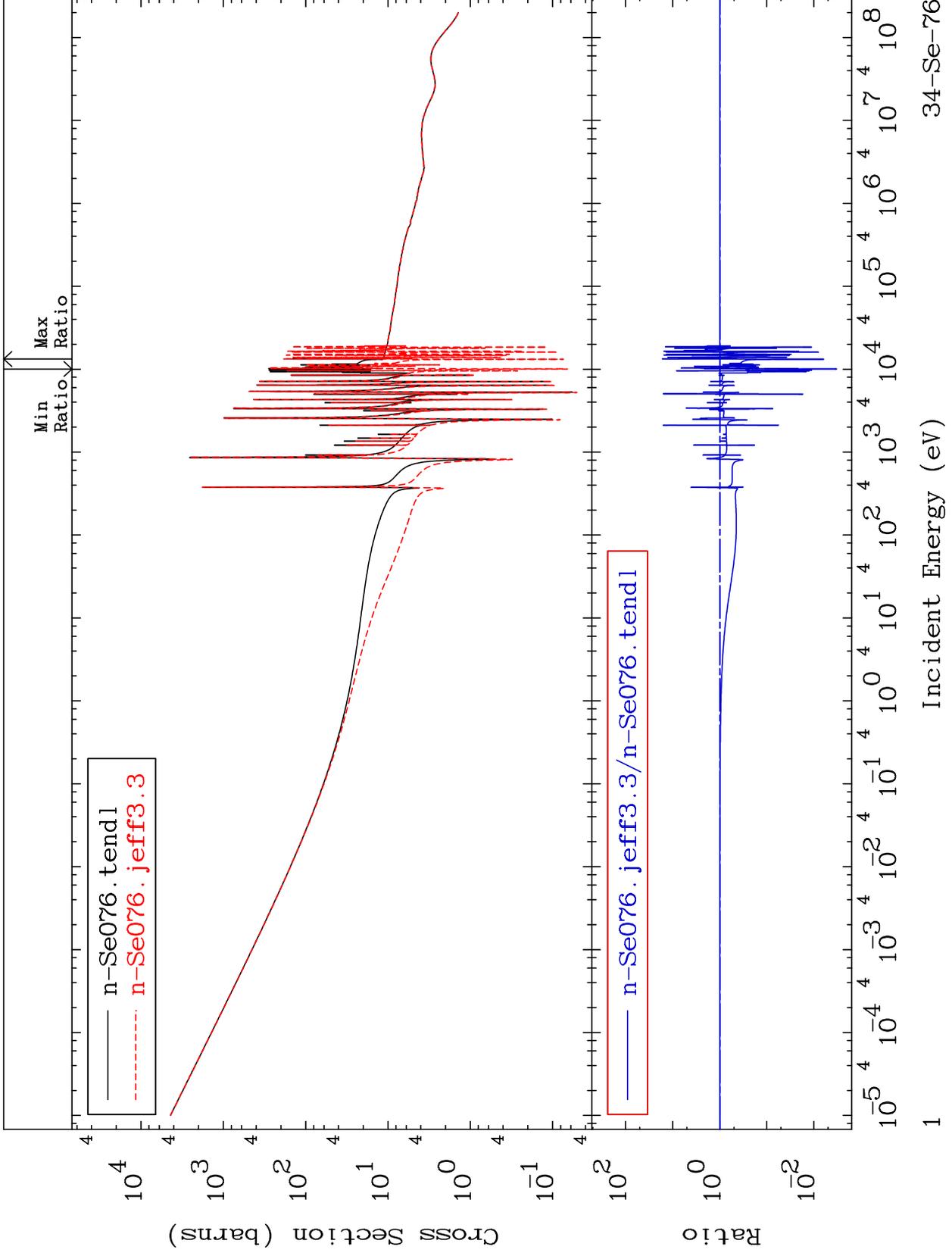


MAT 3431

Total
Cross Section

³⁴Se-76
-99.67 To 1559. %



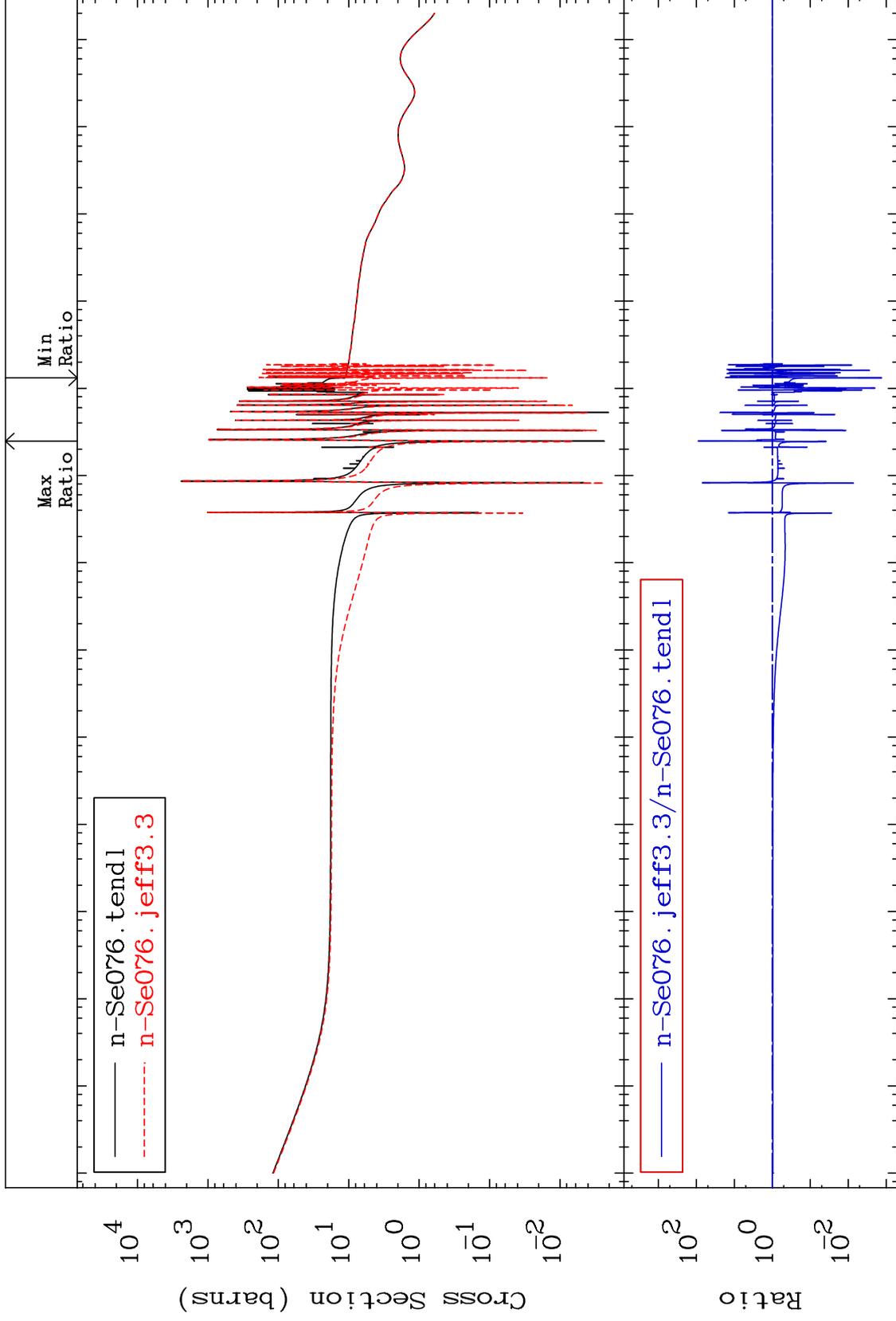
Incident Energy (eV)

³⁴Se-76

MAT 3431

Elastic
Cross Section

³⁴Se-76
-99.87 To 8901. %



2

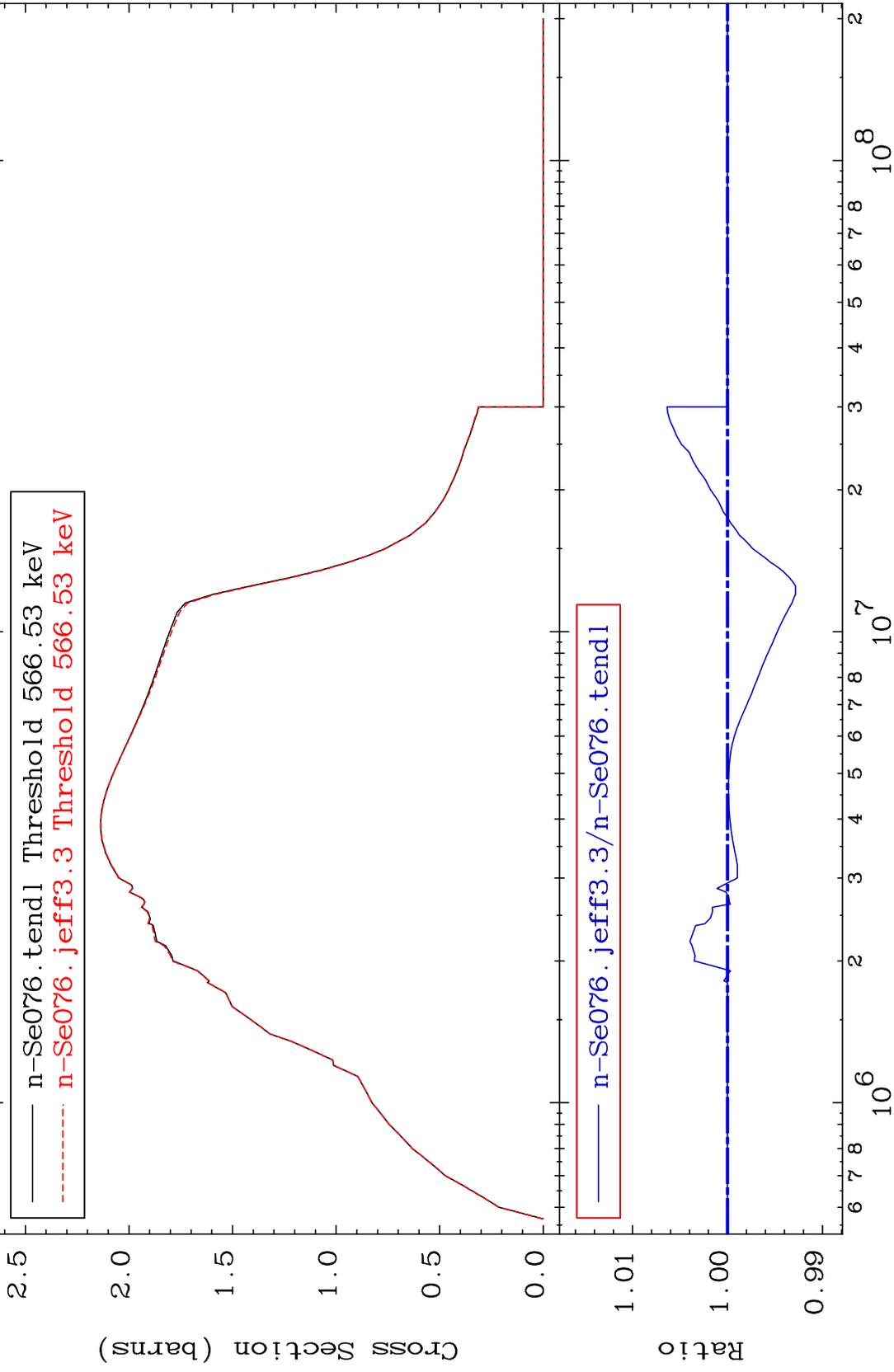
Incident Energy (eV)

³⁴Se-76

MAT 3431

Inelastic
Cross Section

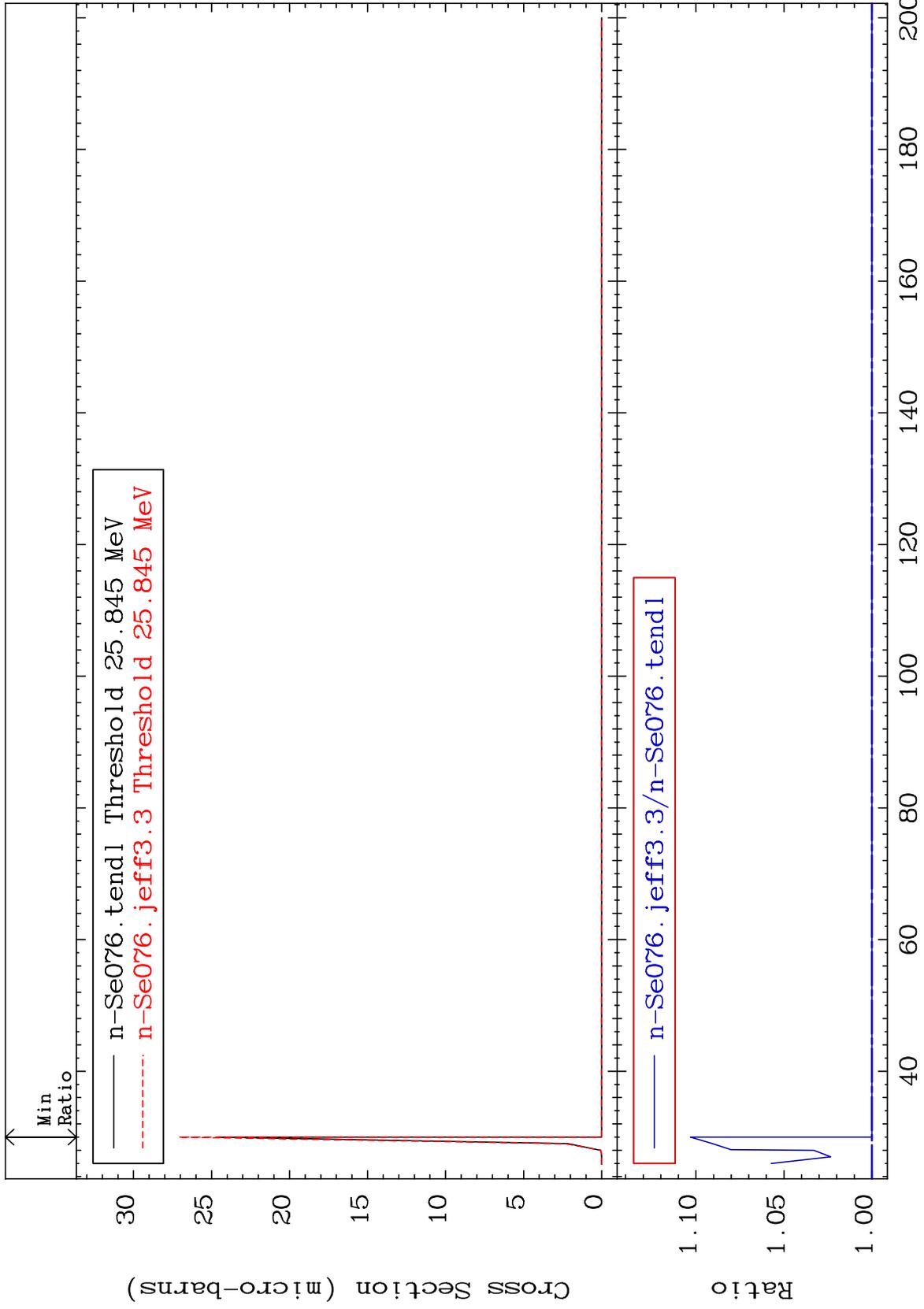
³⁴Se-76
-0.716 To 0.635 %



MAT 3431

(n,2n) d
Cross Section

³⁴Se-76
To 10.31 %
0.000

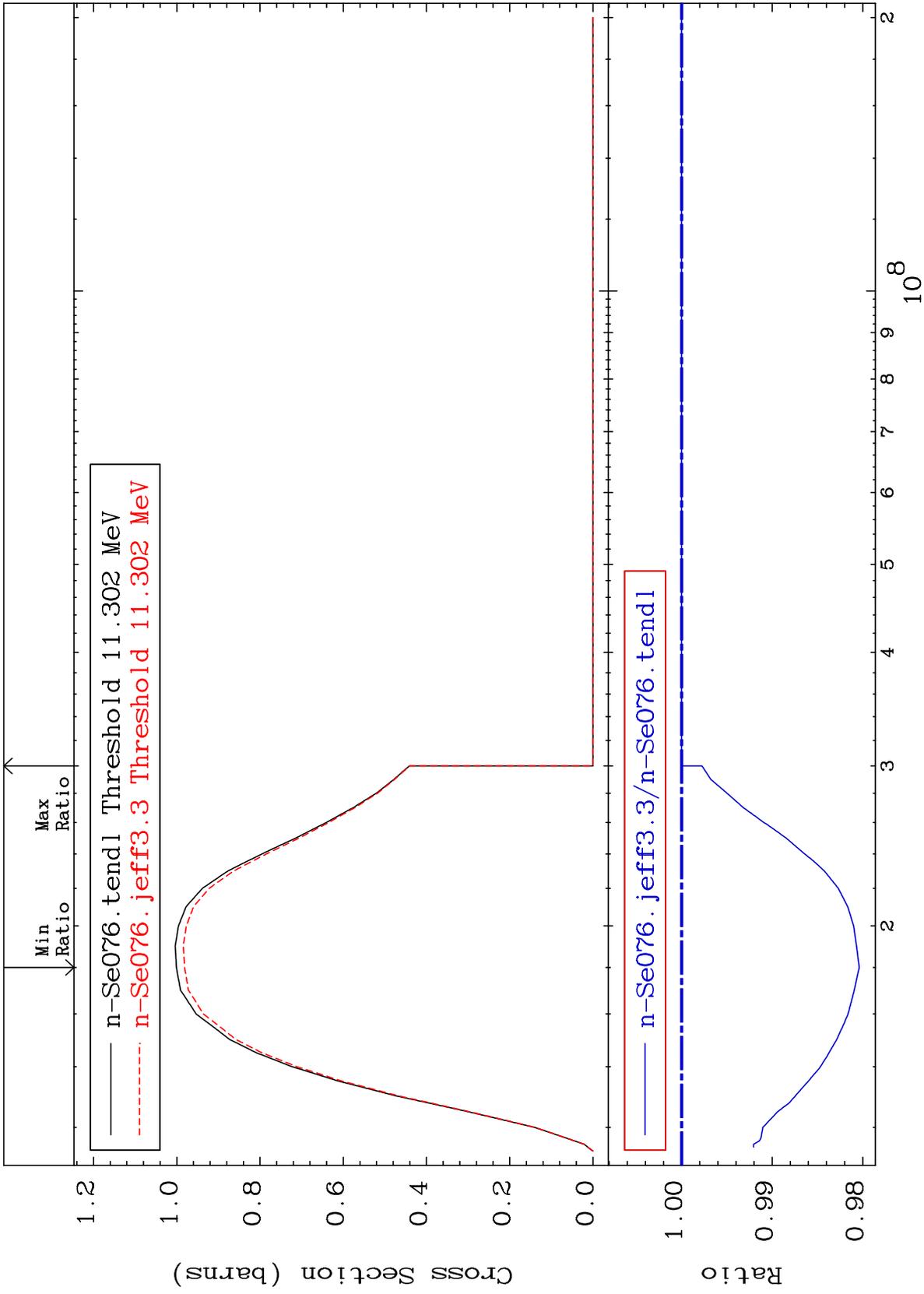


Incident Energy (MeV)

³⁴Se-76

Cross Section

-1.961 To 0.000 %



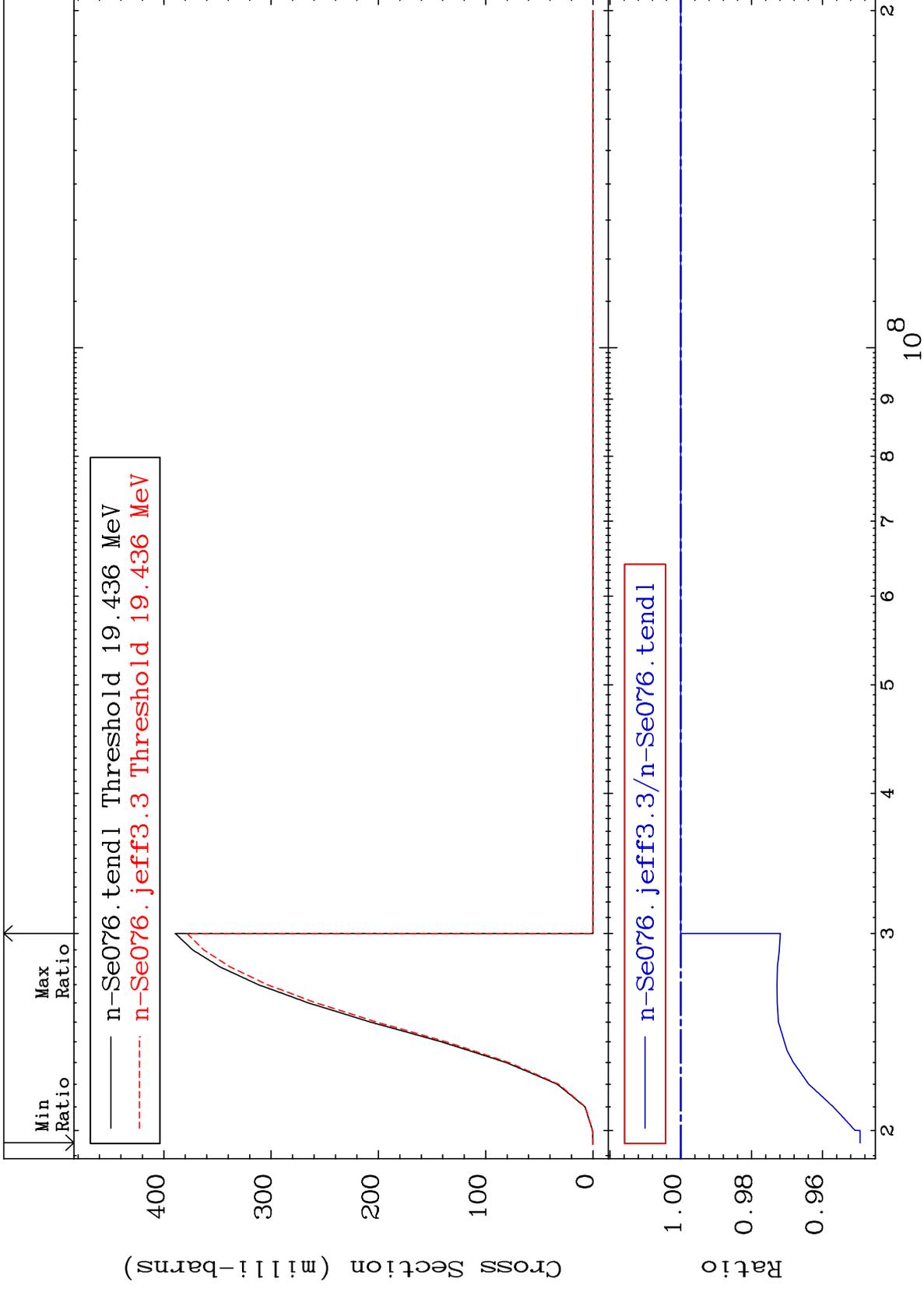
MAT 3431

(n,3n)

³⁴Se-76

Cross Section

-5.062 To 0.000 %



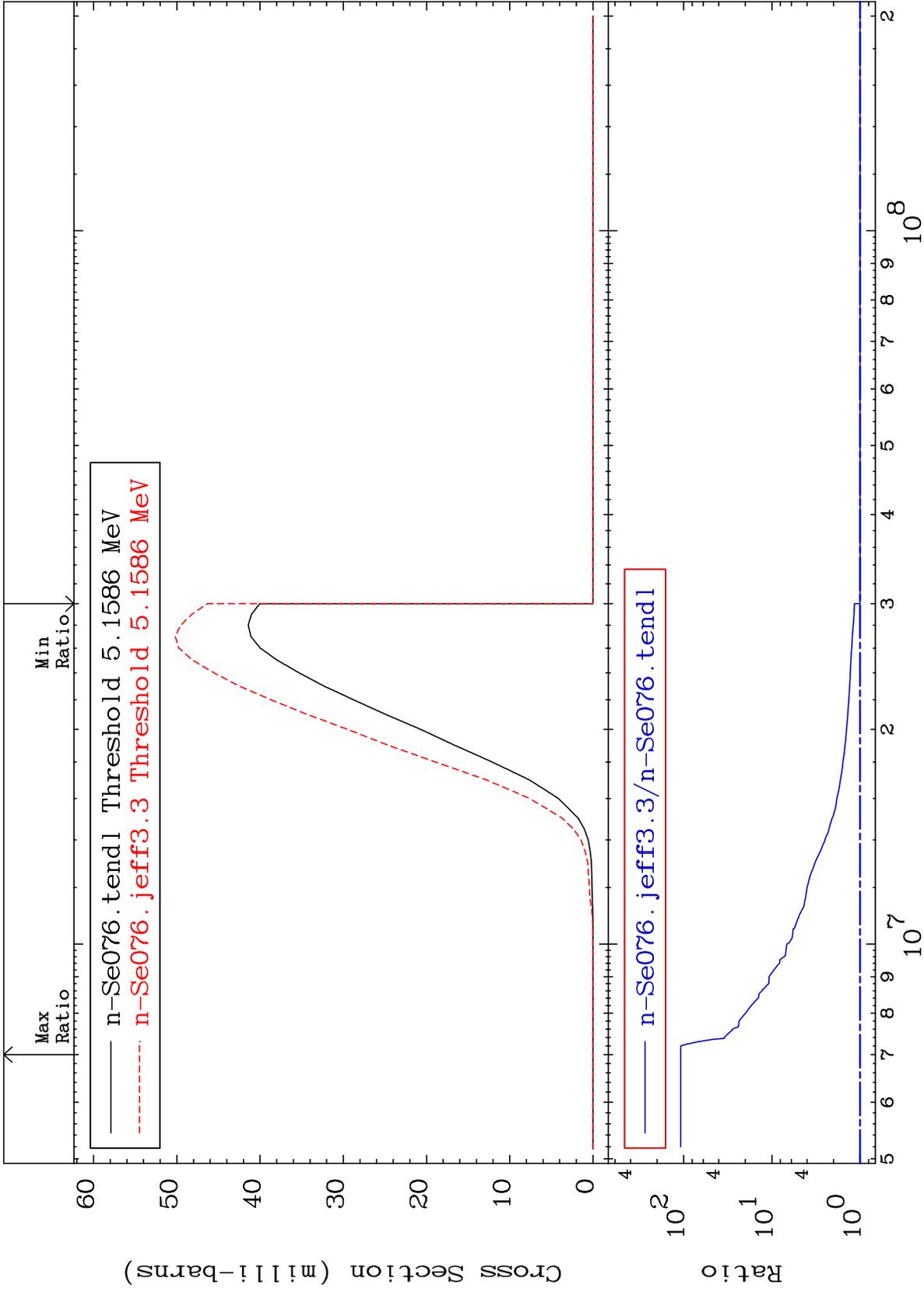
6

Incident Energy (eV)

³⁴Se-76

MAT 3431

(n,n') α
Cross Section
0.000 To 9999. %
³⁴Se-76



7

Incident Energy (eV)

³⁴Se-76

MAT 3431

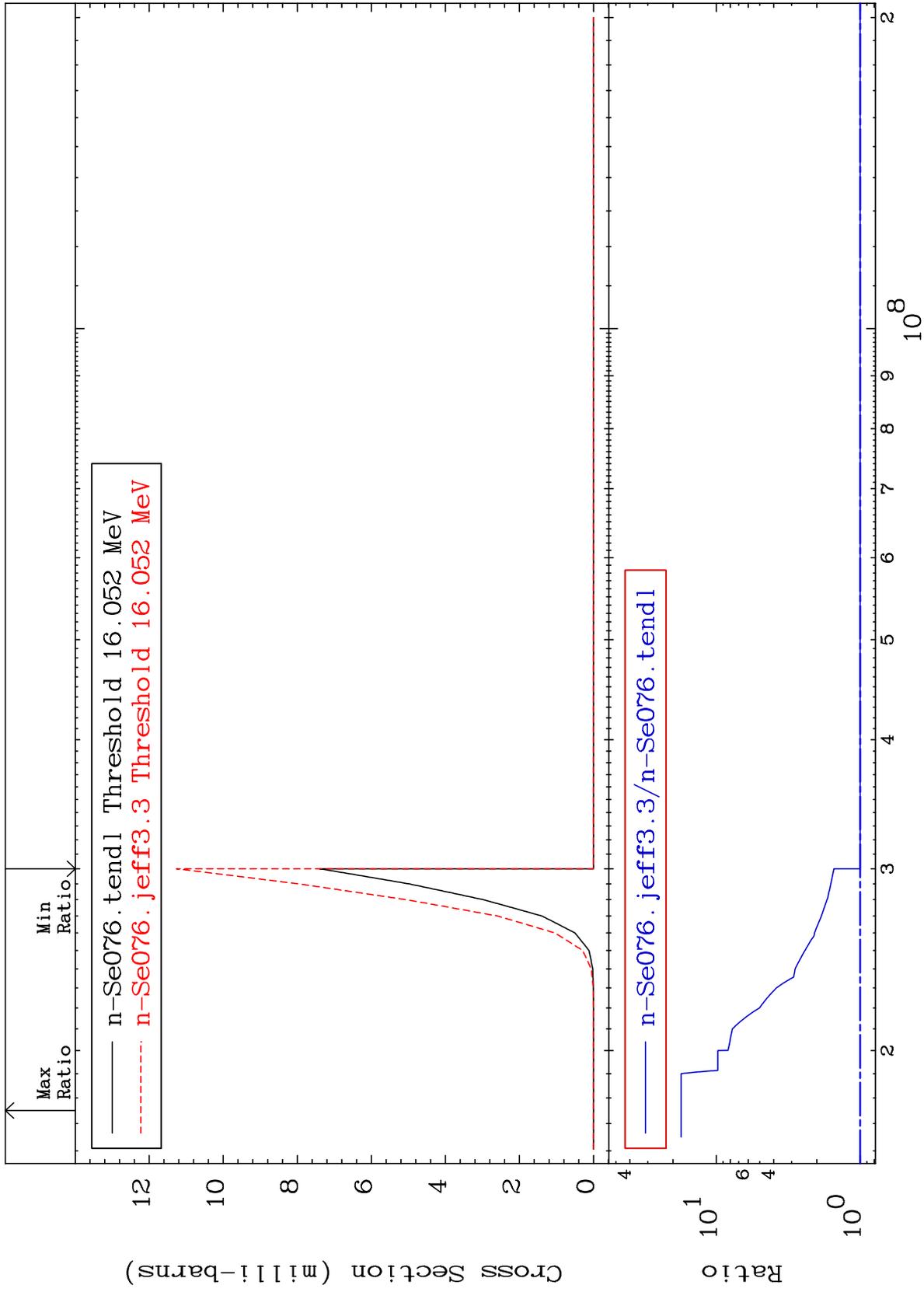
(n,2n) α

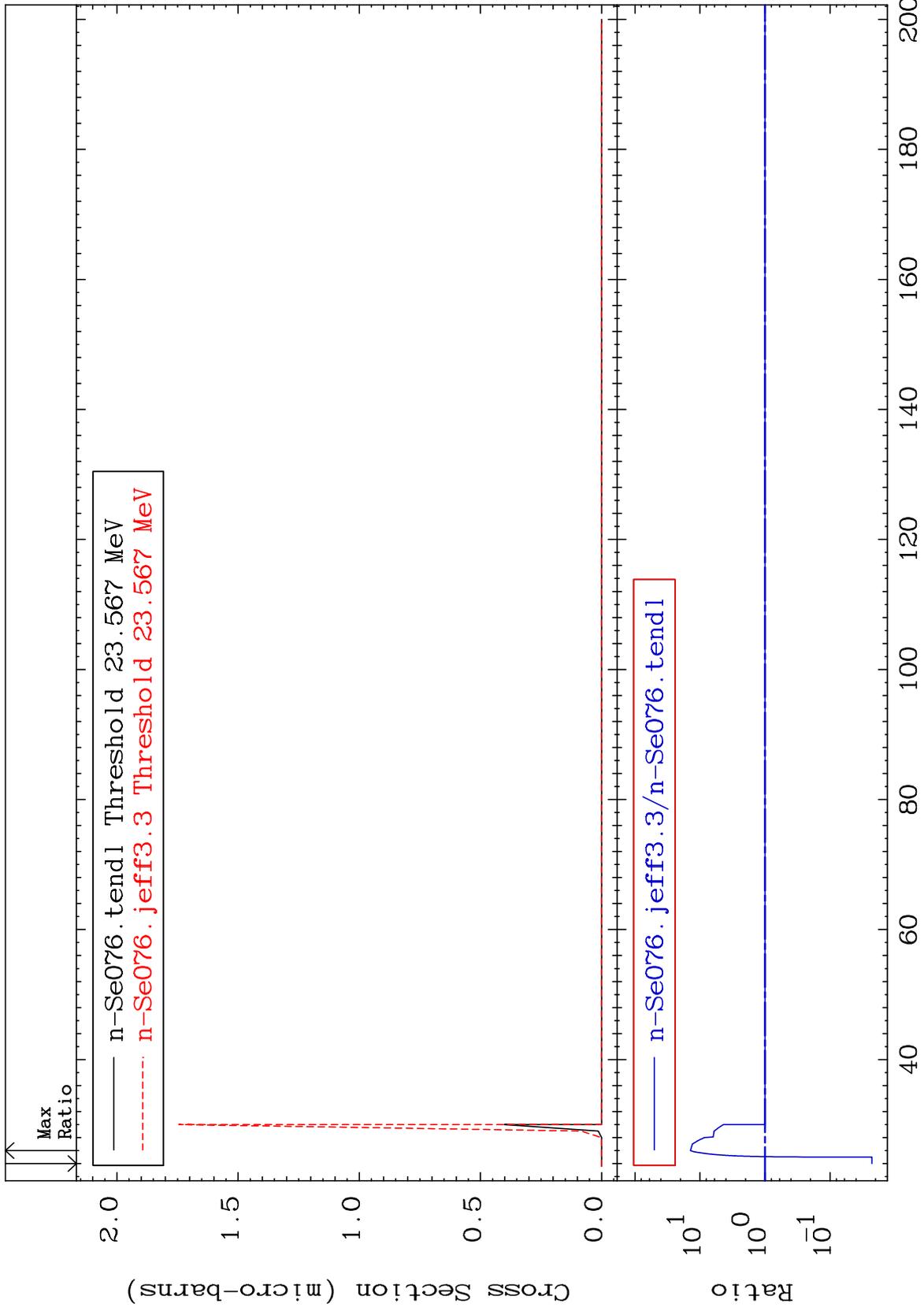
³⁴Se-76

Cross Section

0.000

To 1656. %

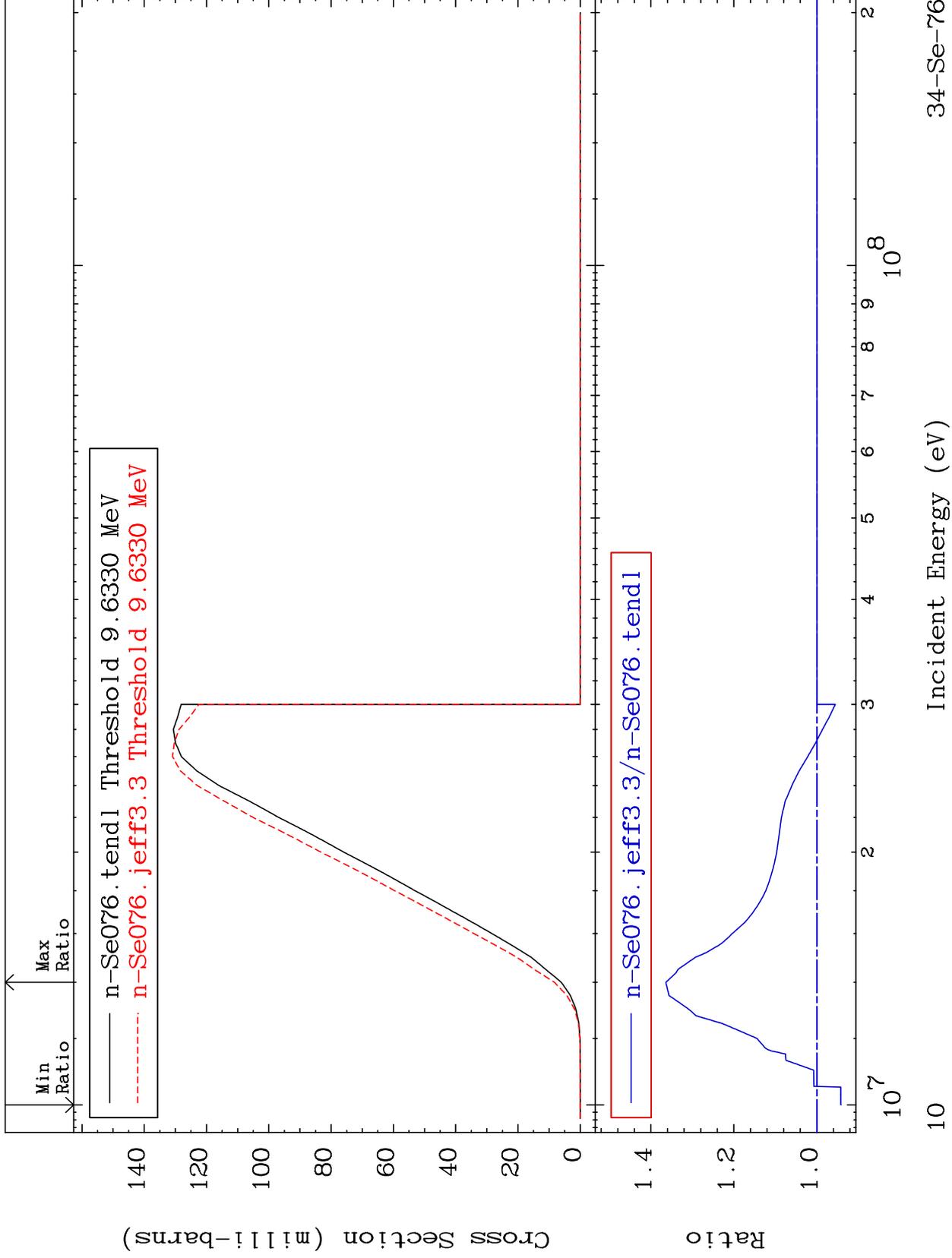




MAT 3431

(n,n') p
Cross Section

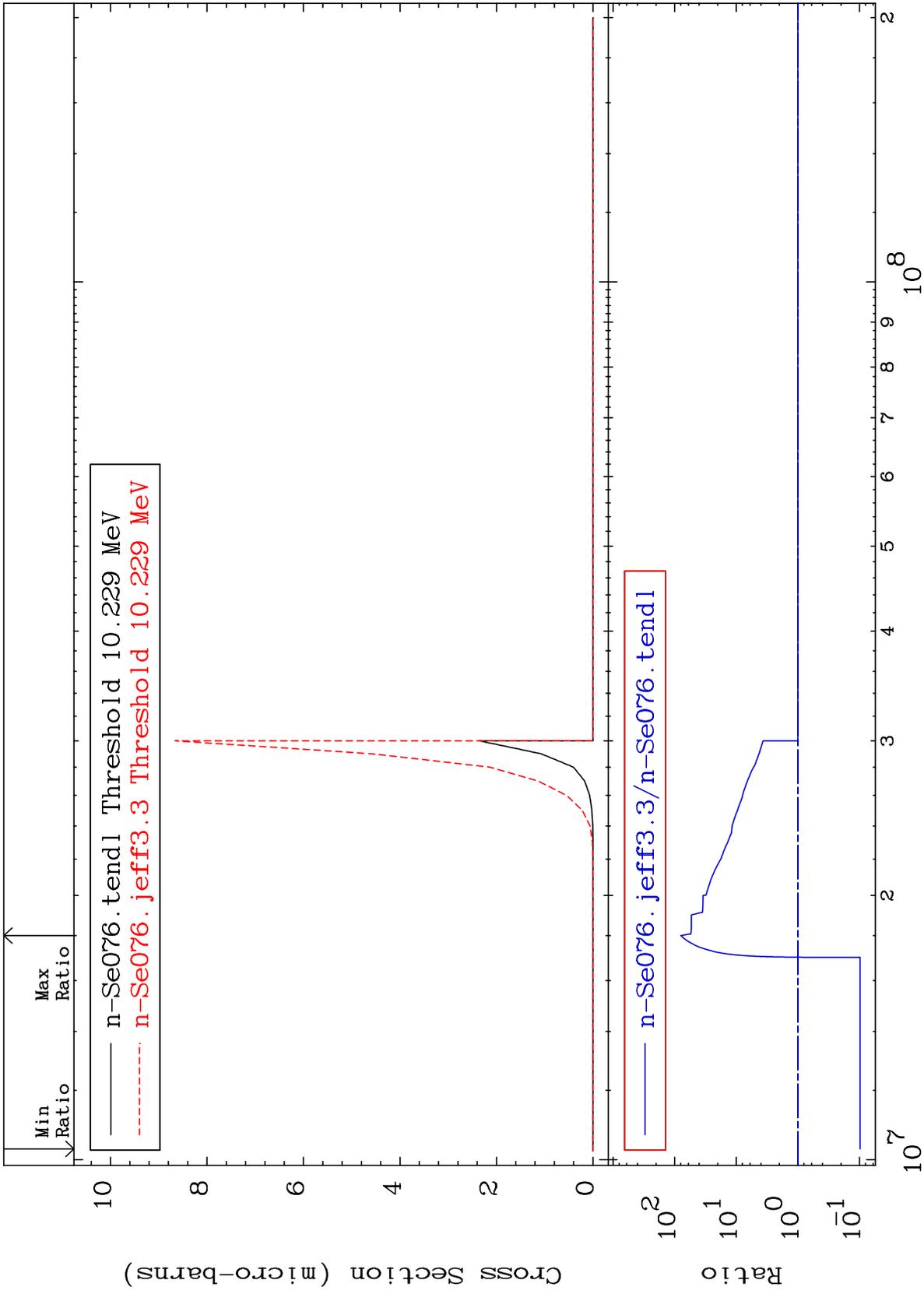
³⁴Se-76
-5.820 To 36.37 %



MAT 3431

(n,n') 2α
Cross Section

³⁴Se-76
-90.20 To 7864. %



11

Incident Energy (eV)

³⁴Se-76

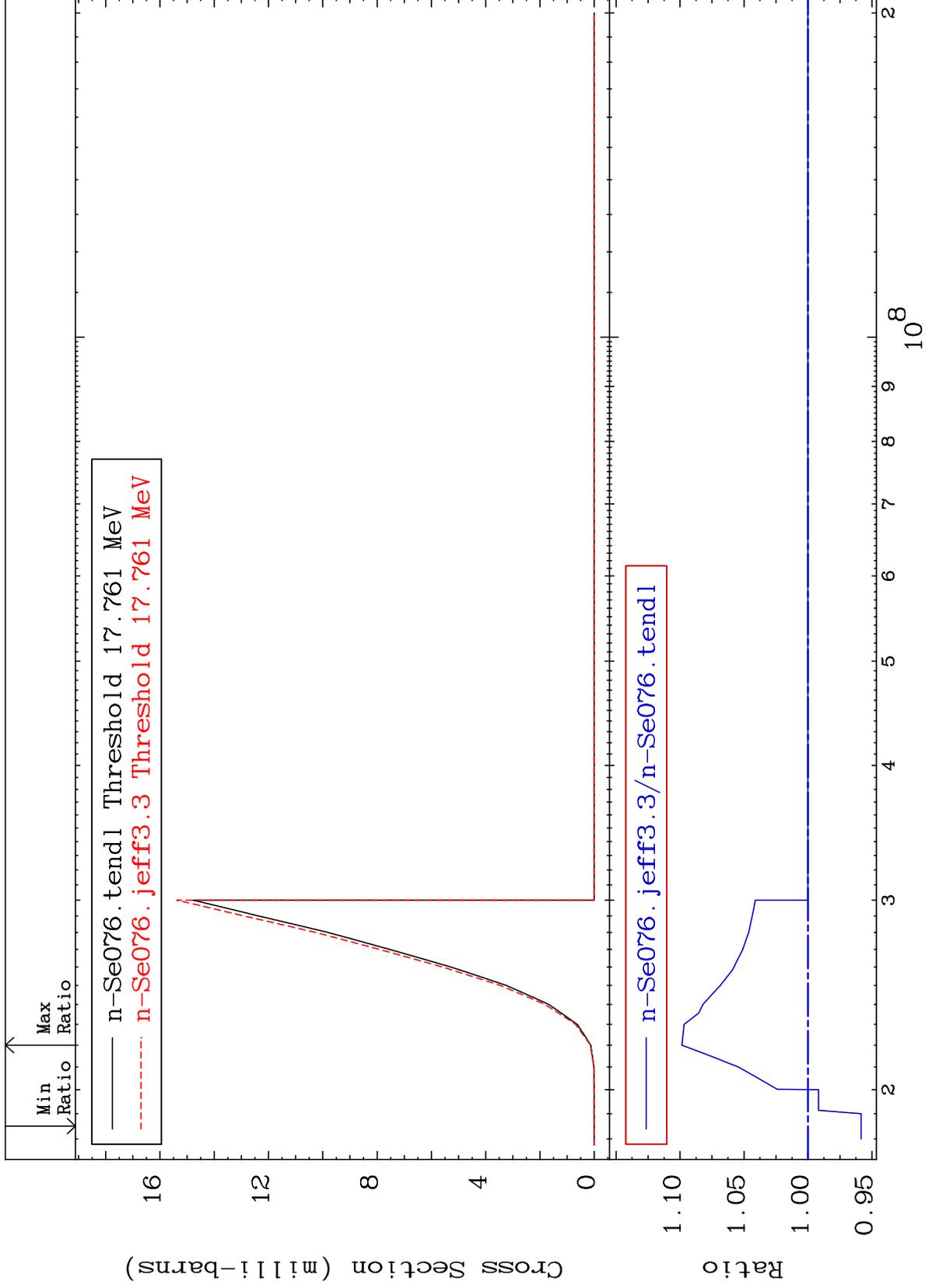
MAT 3431

(n,n') d

³⁴Se-76

Cross Section

-4.155 To 9.853 %



12

Incident Energy (eV)

³⁴Se-76

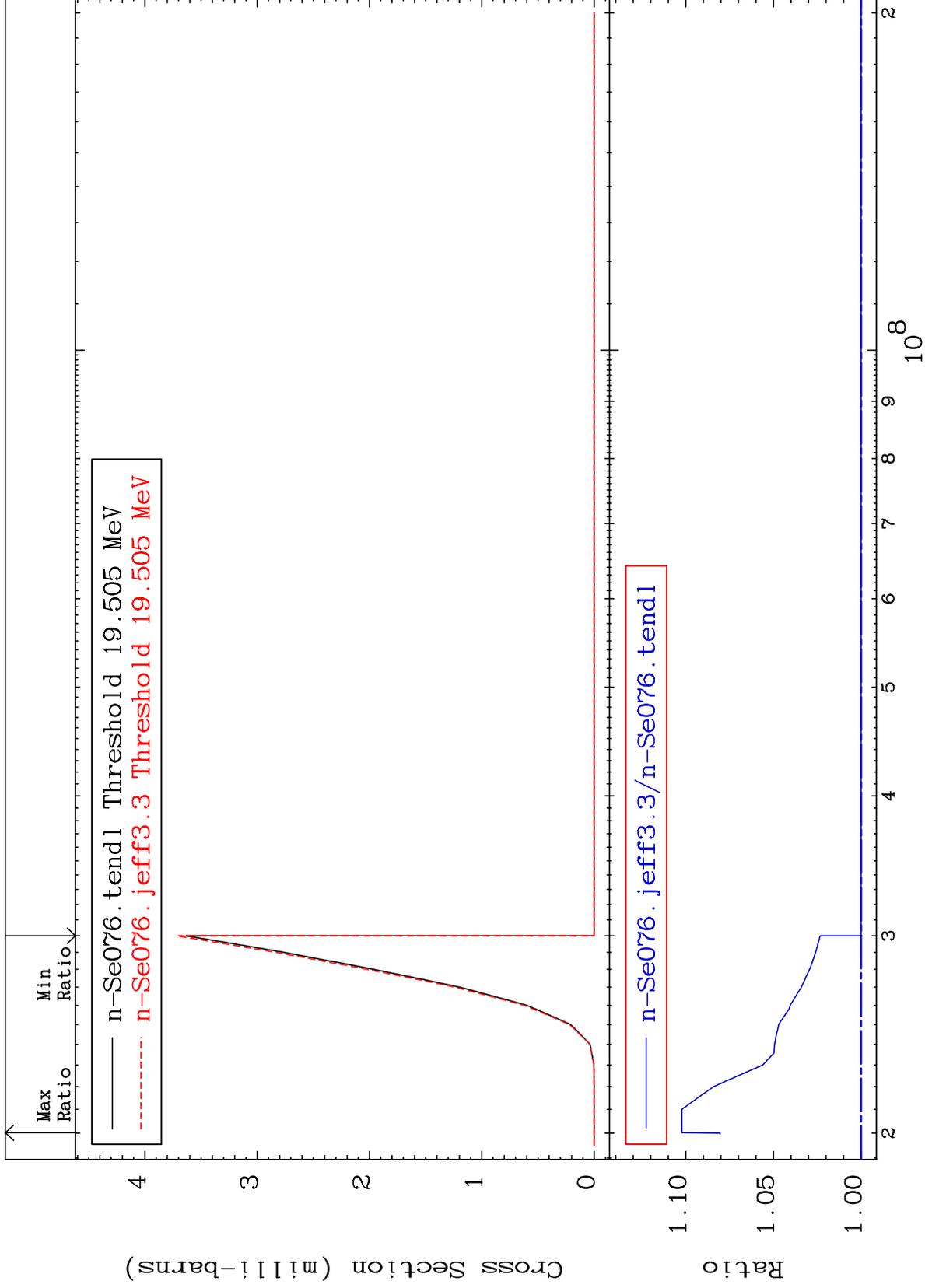
MAT 3431

(n,n') t

³⁴Se-76

Cross Section

0.000 To 10.22 %



13

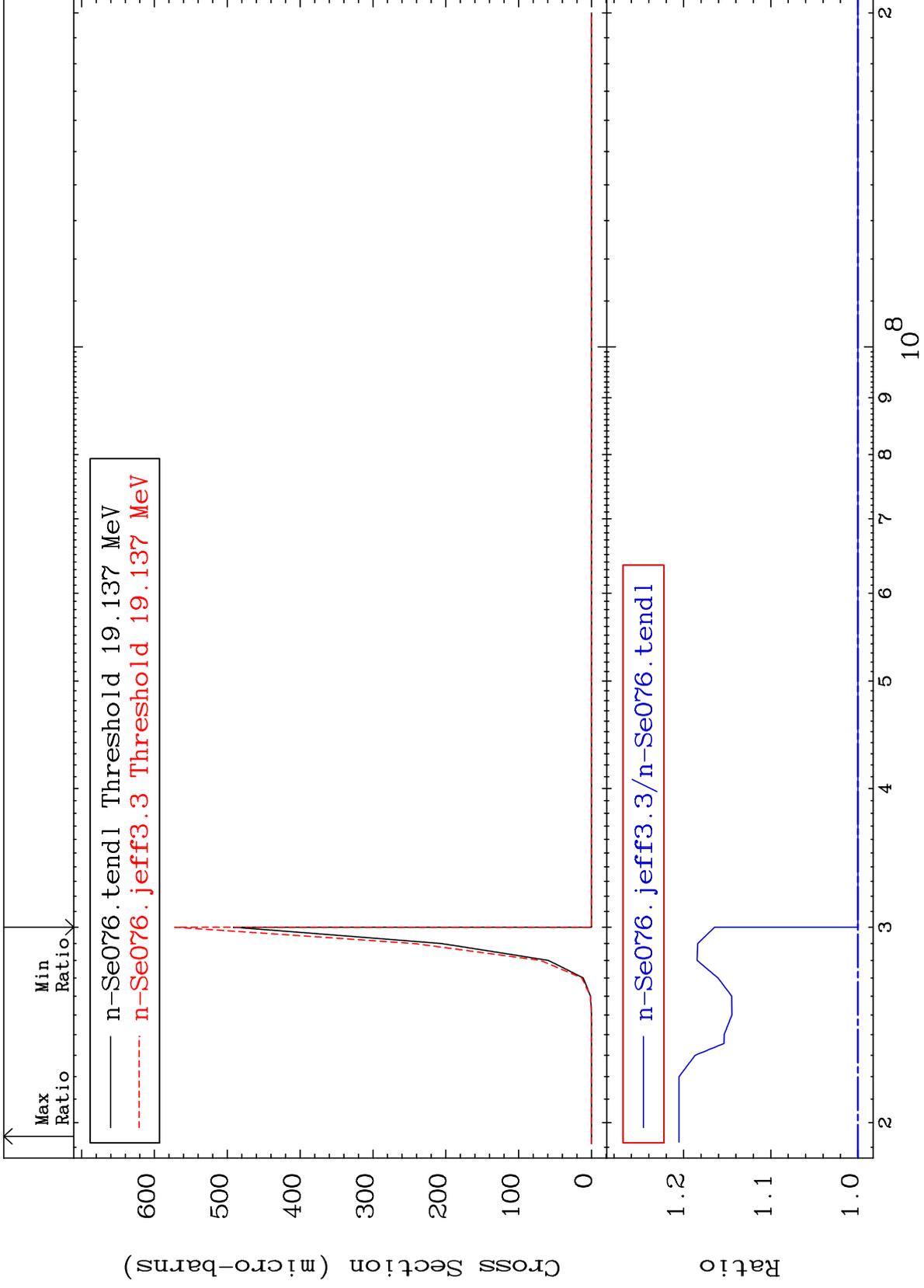
Incident Energy (eV)

³⁴Se-76

MAT 3431

(n, n') He-3
Cross Section

³⁴Se-76
To 20.53 %
0.000



14

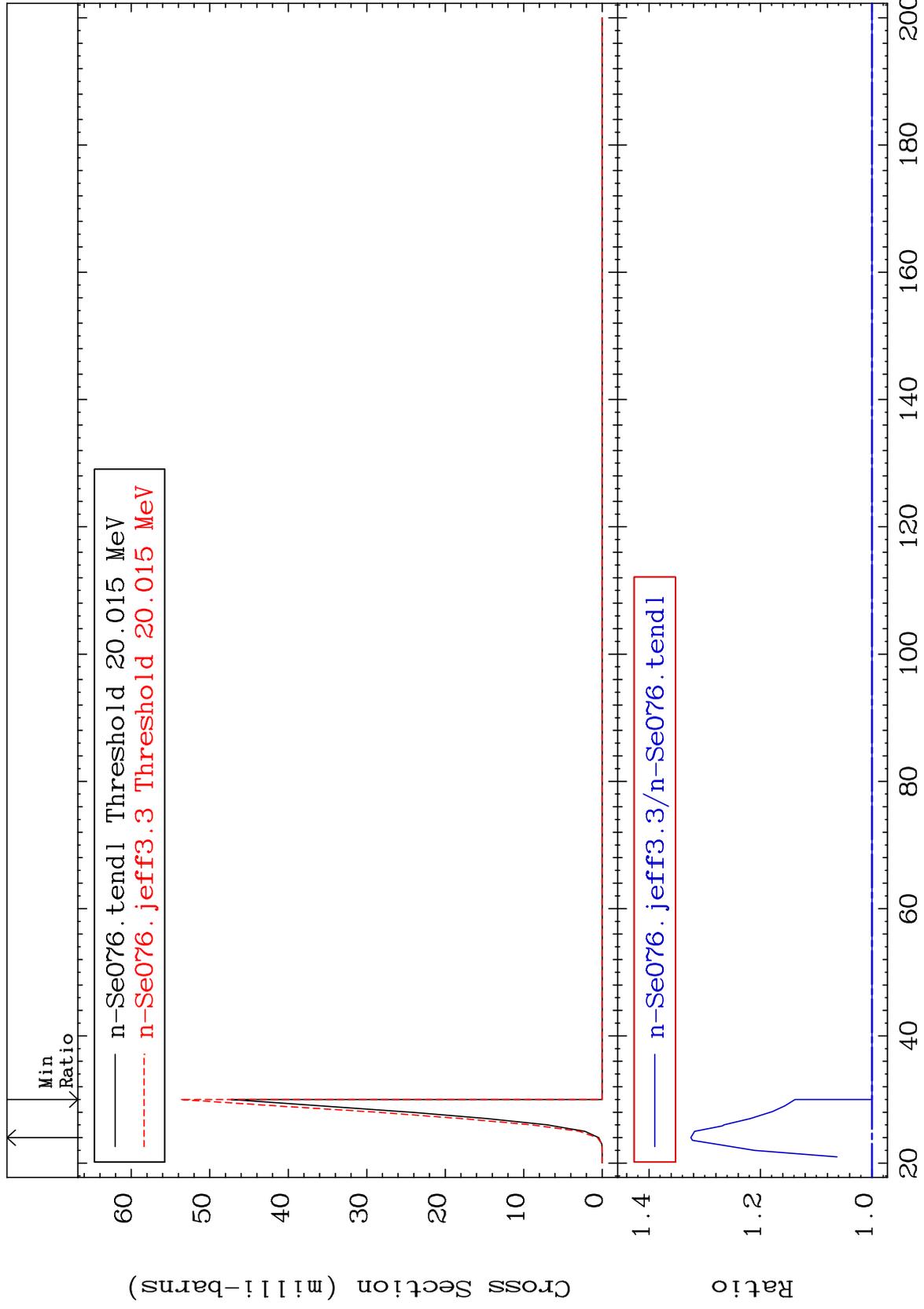
Incident Energy (eV)

³⁴Se-76

MAT 3431

(n,2n) p
Cross Section

³⁴Se-76
0.000 To 32.49 %



15

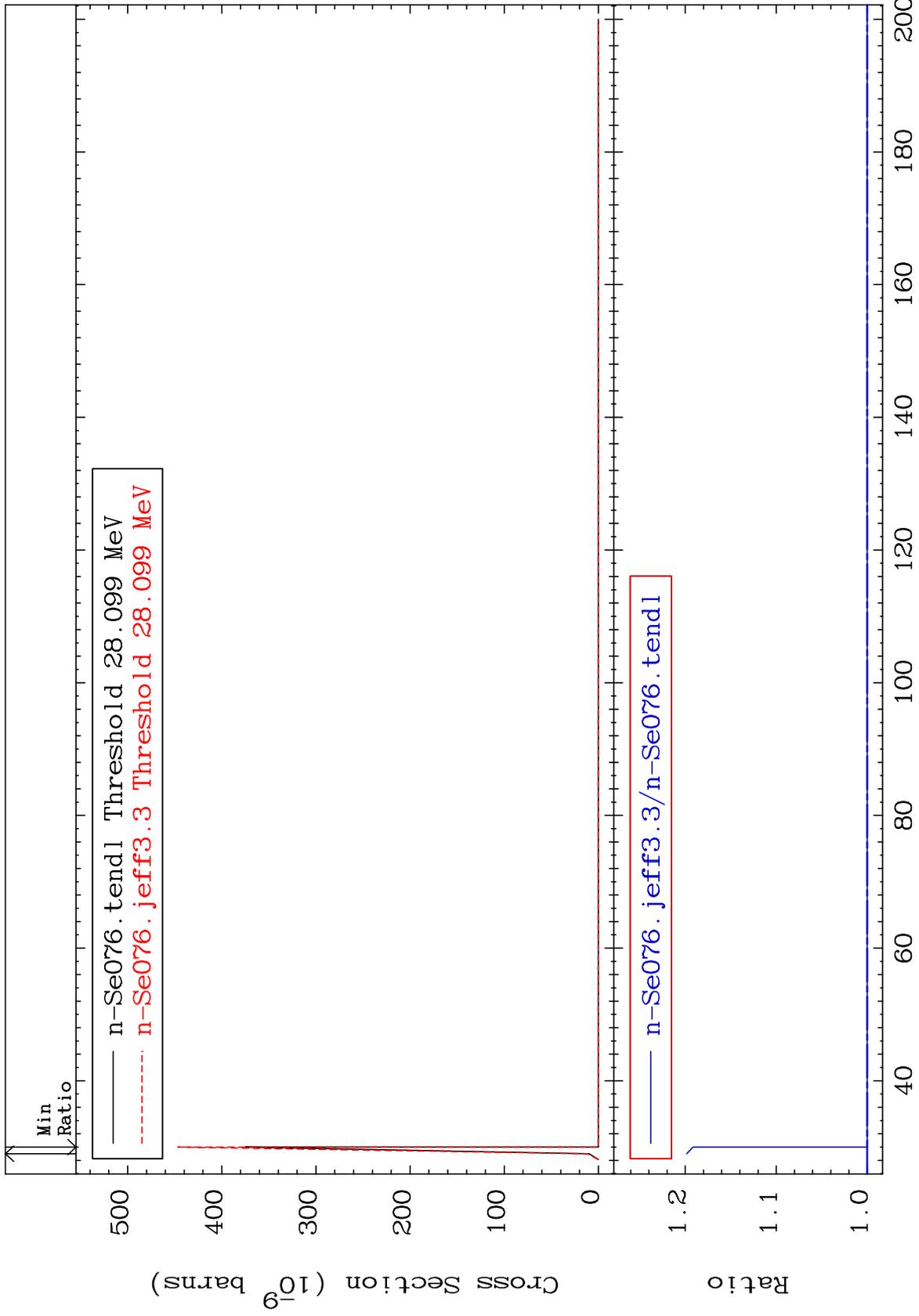
Incident Energy (MeV)

³⁴Se-76

MAT 3431

(n,3n) p
Cross Section

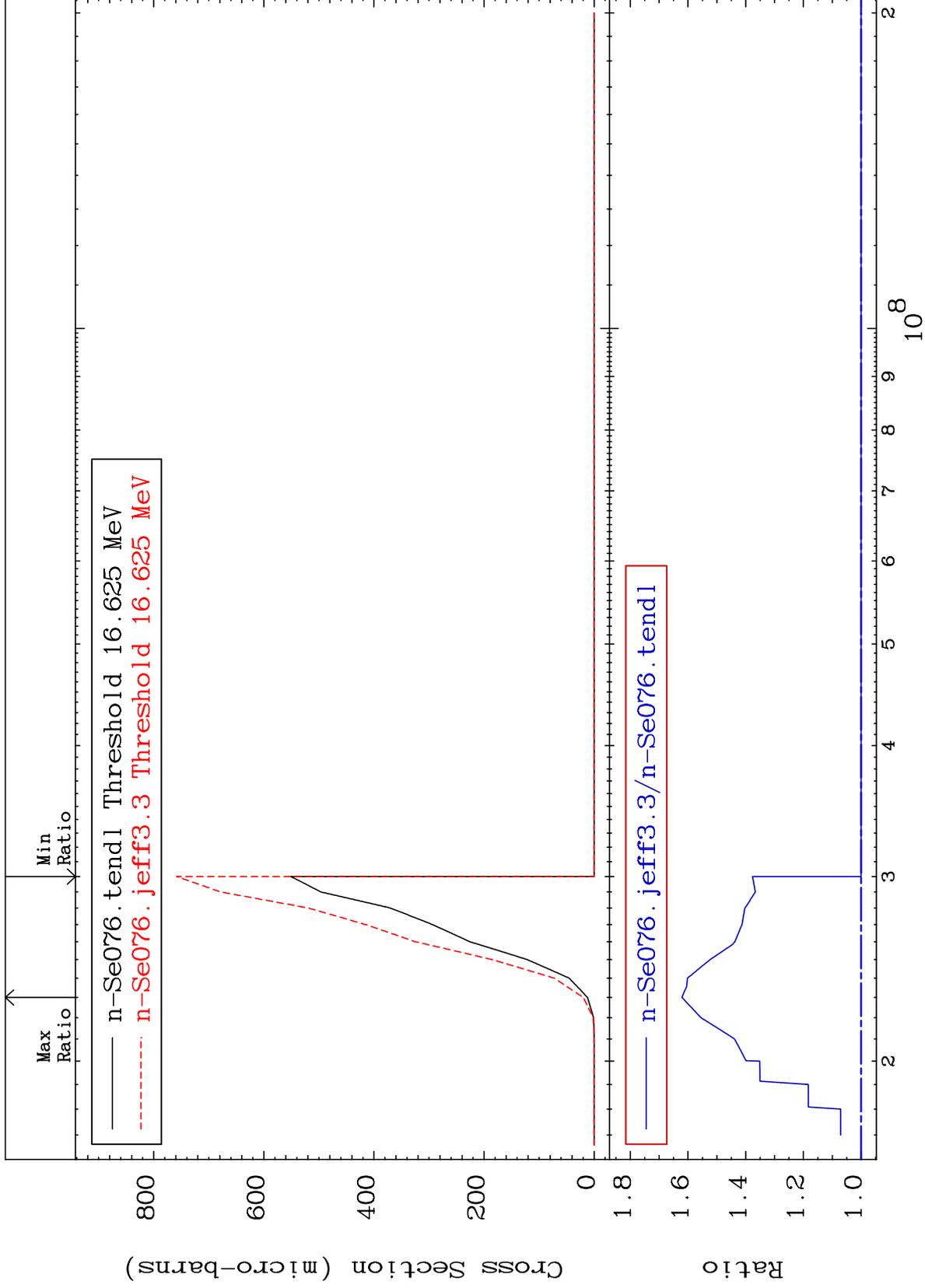
³⁴Se-76
0.000 To 19.84 %



MAT 3431

(n,2n) p
Cross Section

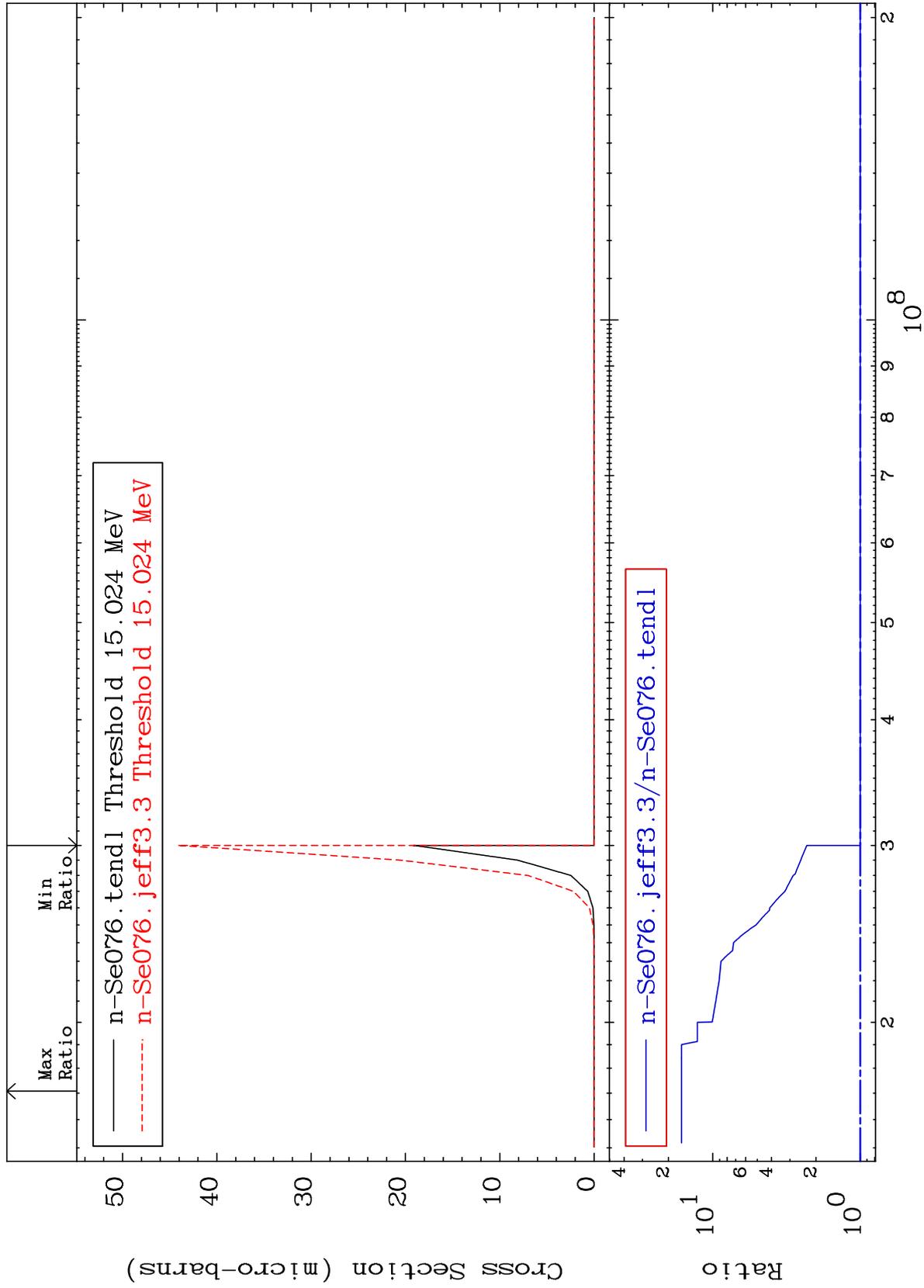
³⁴Se-76
0.000 To 62.11 %



MAT 3431

(n,n') p α
Cross Section

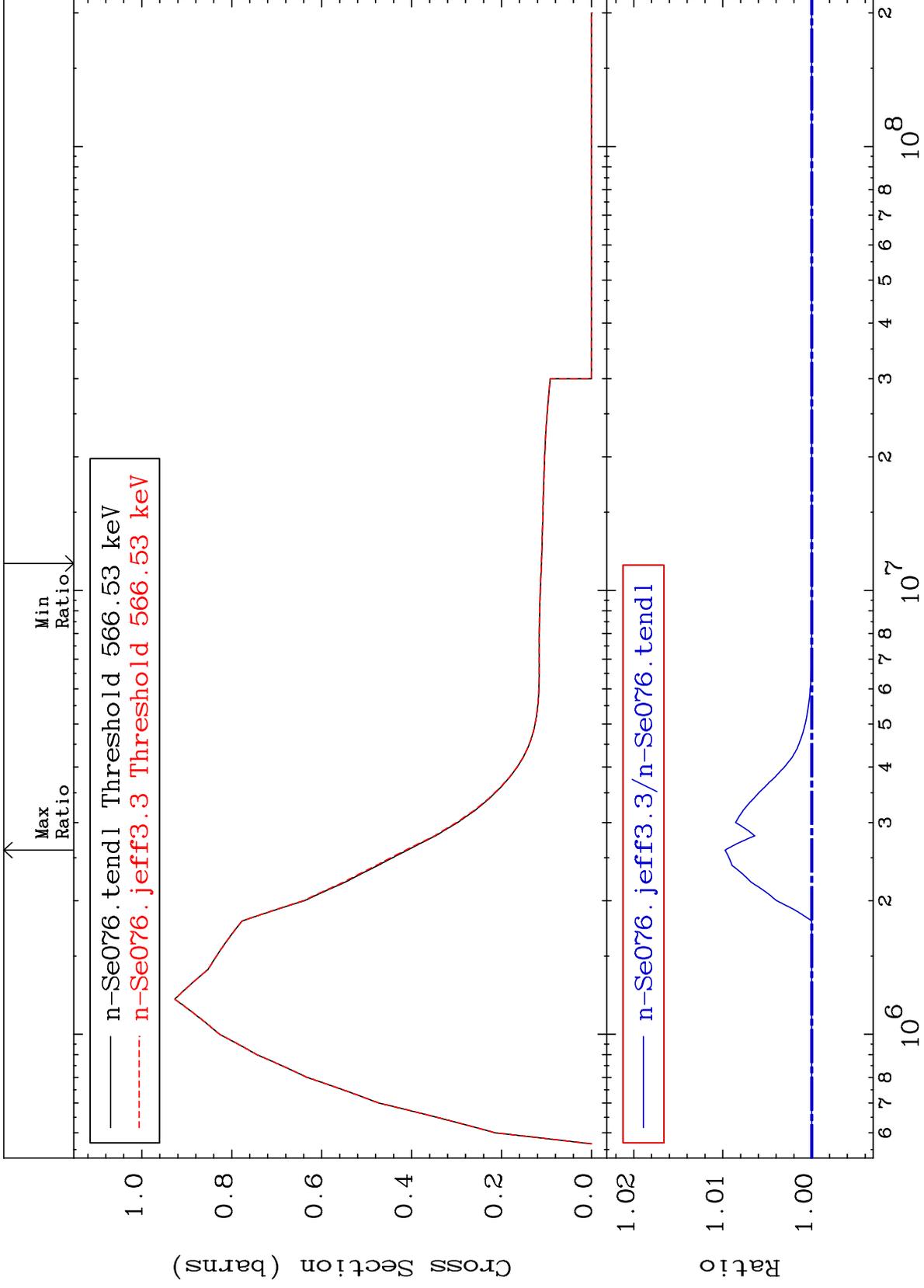
³⁴Se-76
0.000 To 1528. %



MAT 3431

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

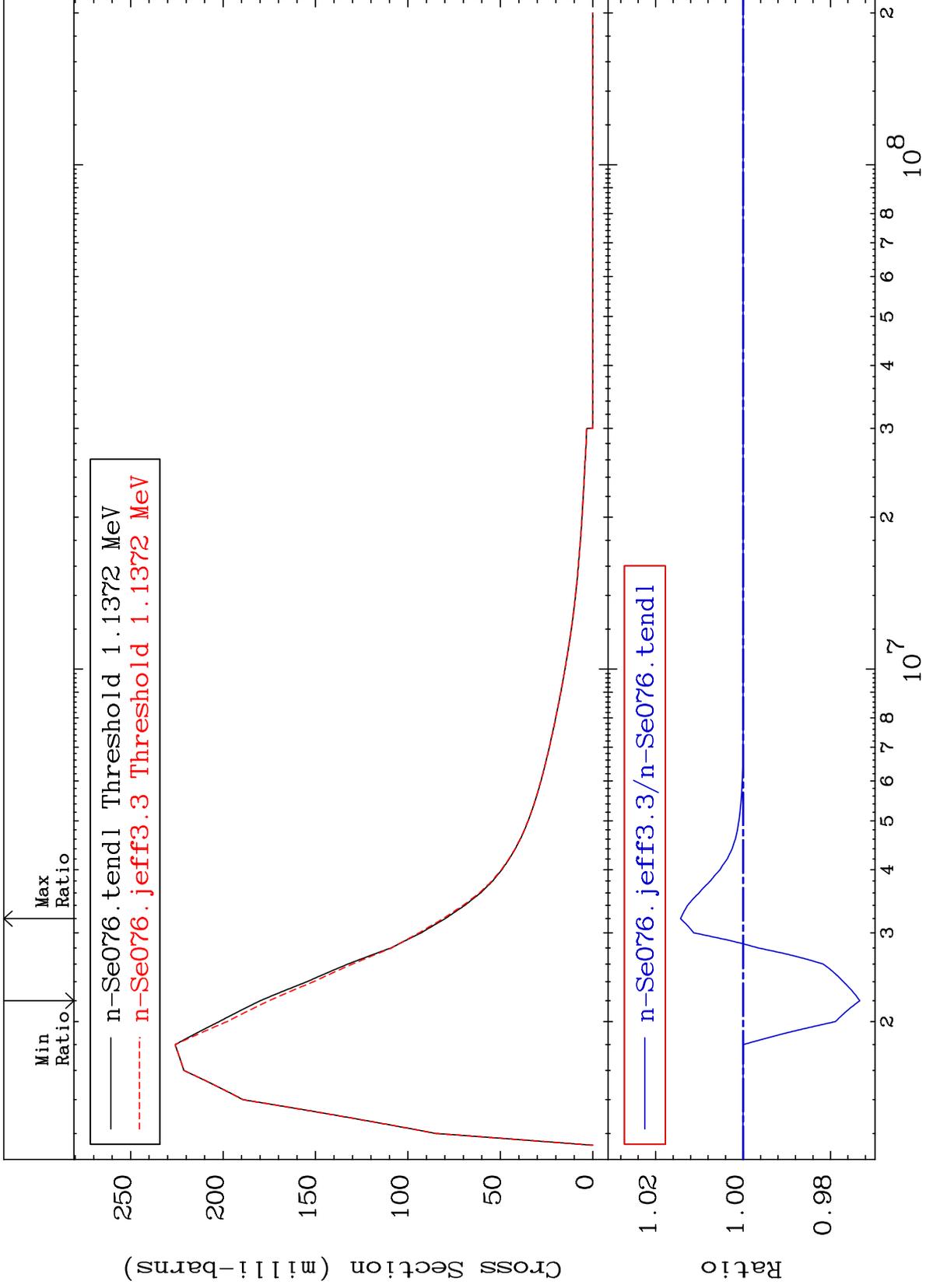
0.000 To 0.973 %
34-Se-76



MAT 3431

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

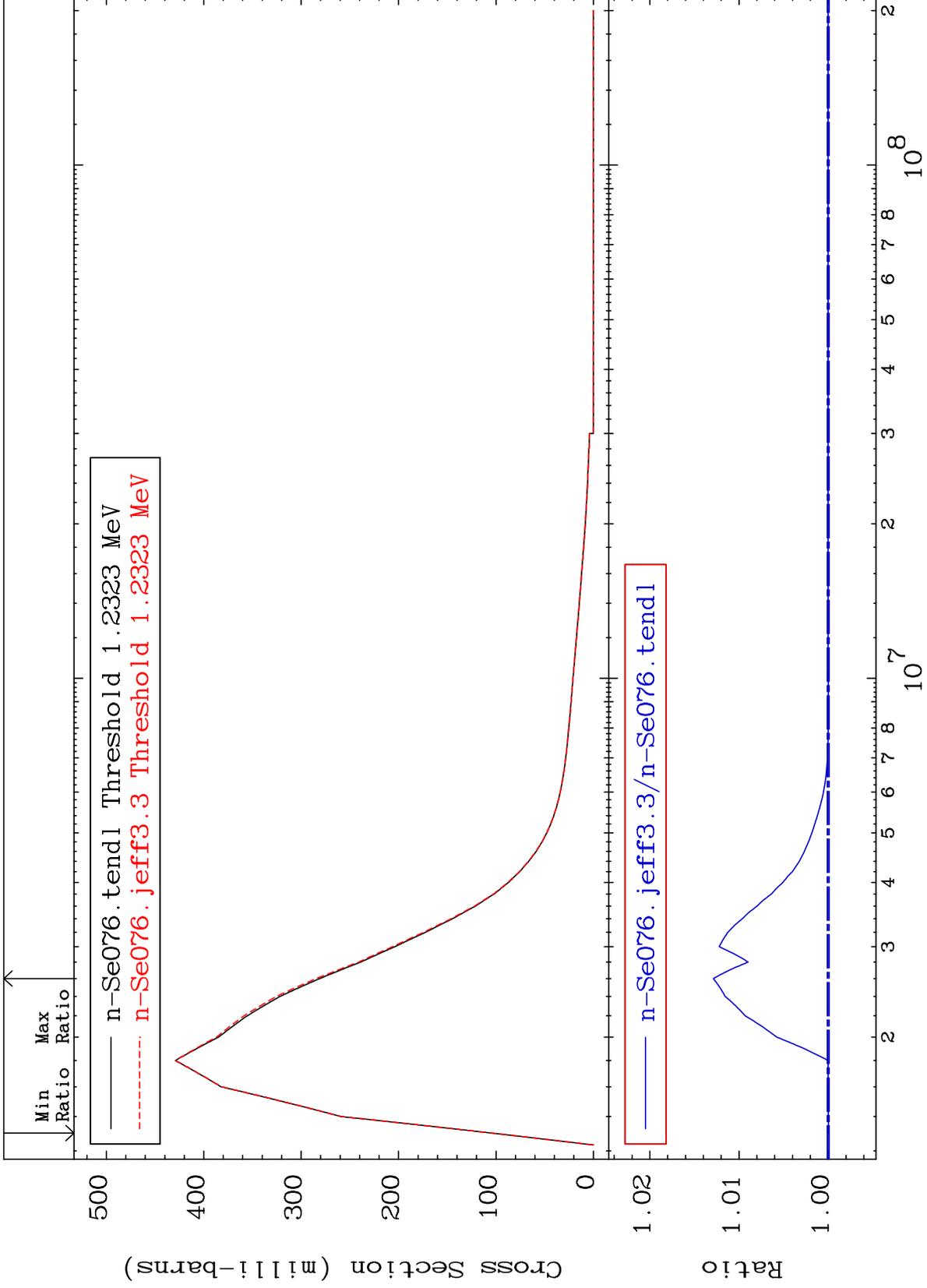
³⁴Se-76
-2.670 To 1.431 %



MAT 3431

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

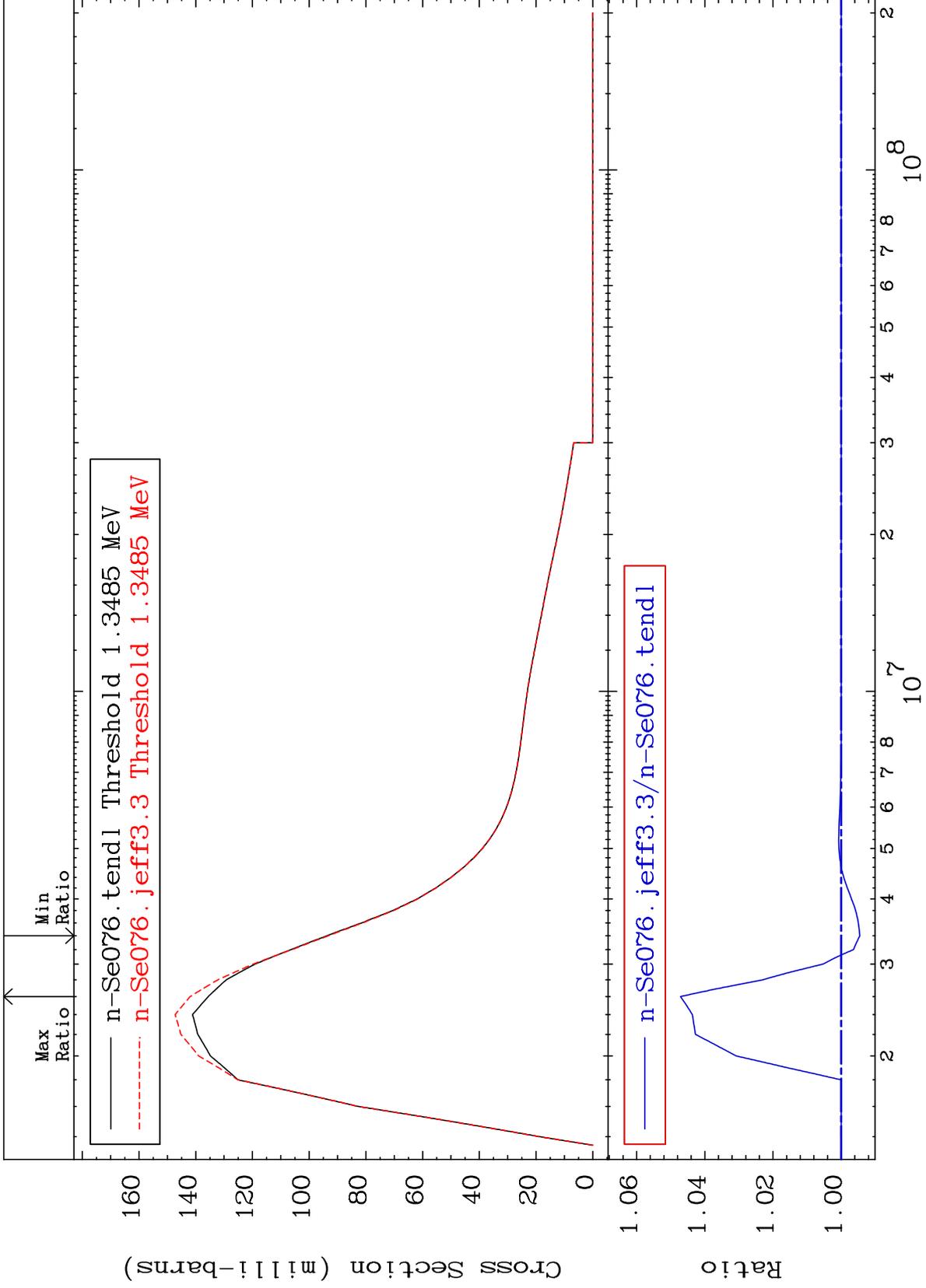
³⁴Se-76
-0.005 To 1.288 %



MAT 3431

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

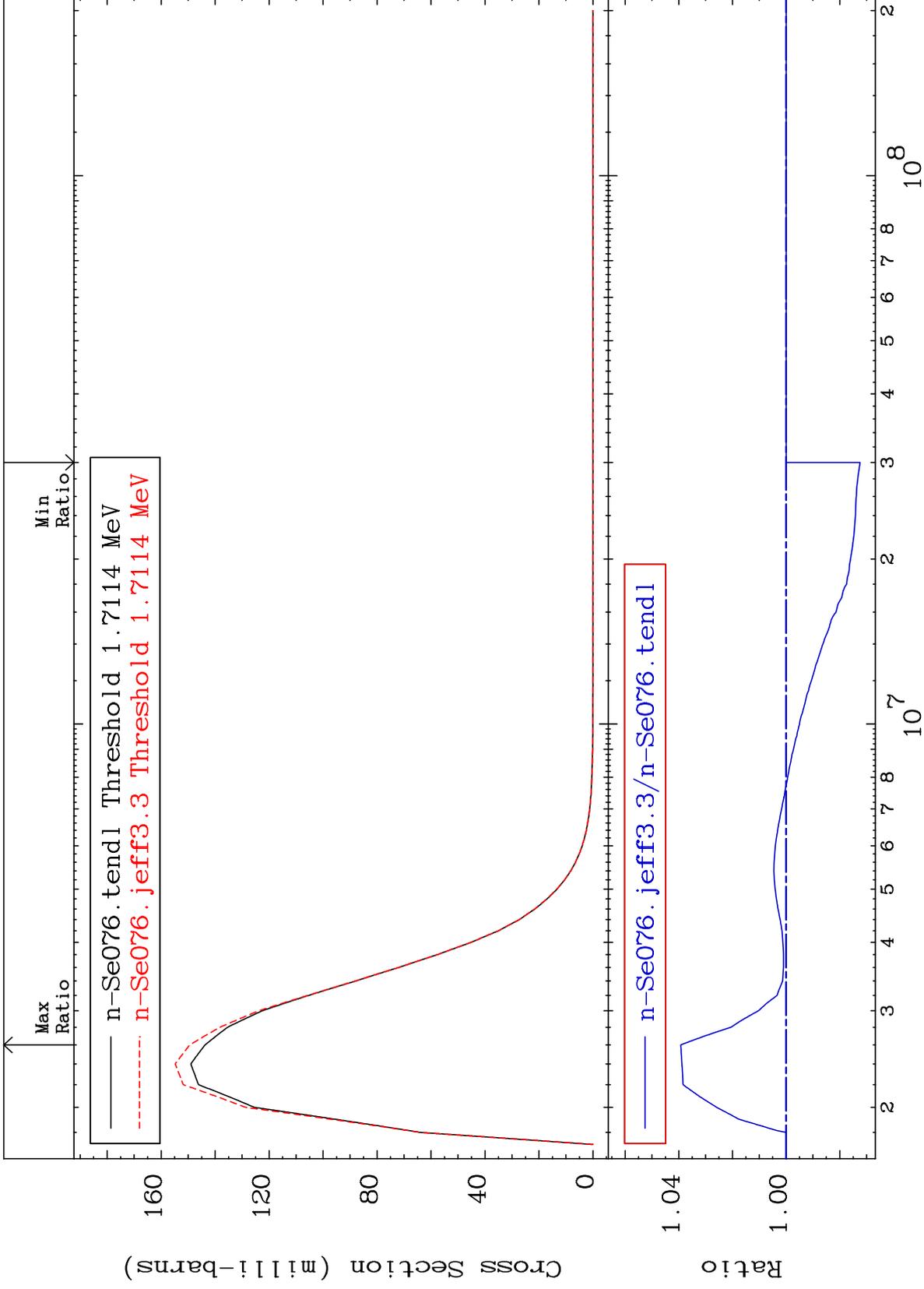
³⁴Se-76
-0.546 To 4.713 %



MAT 3431

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

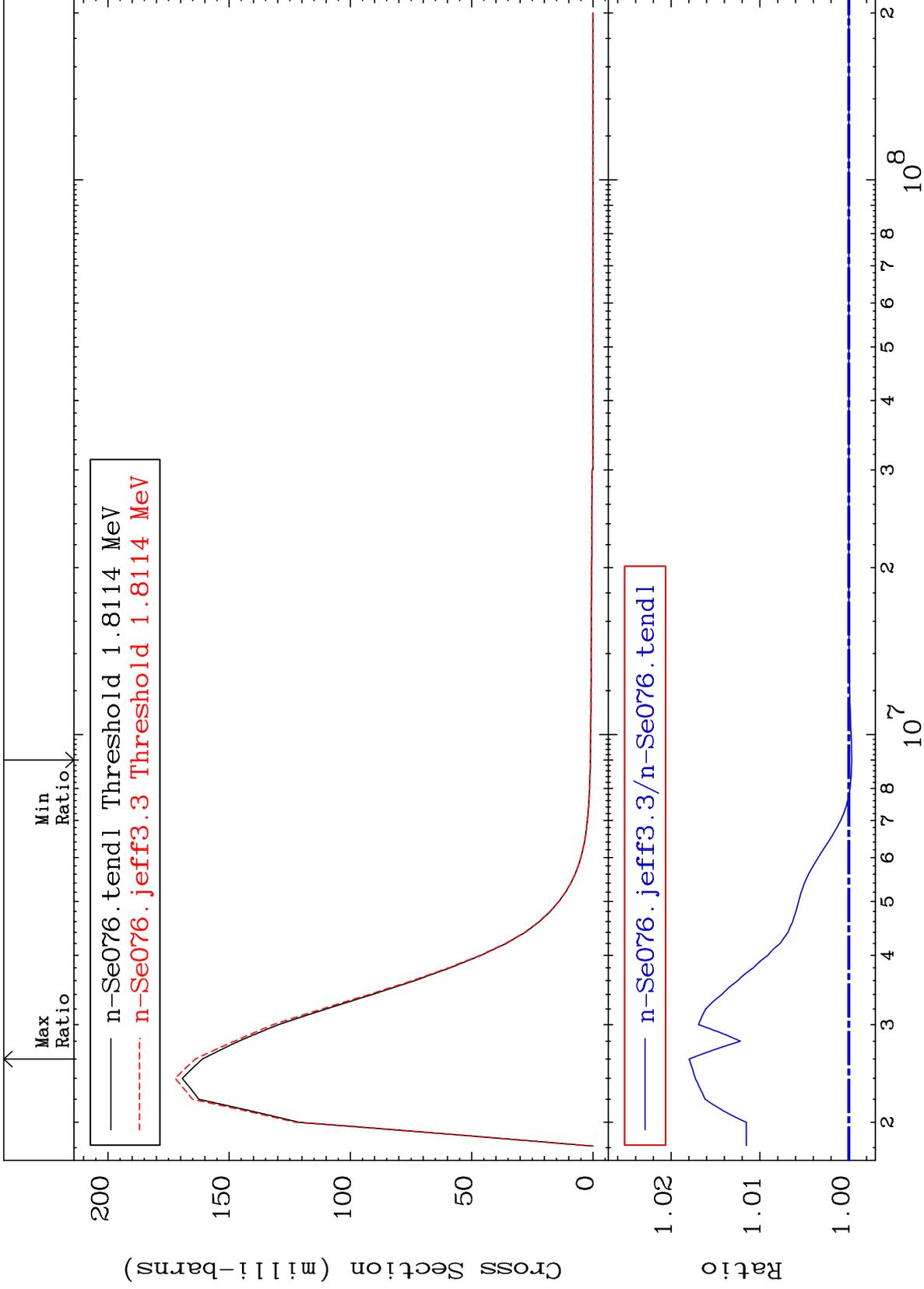
³⁴Se-76
-2.758 To 3.926 %



MAT 3431

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

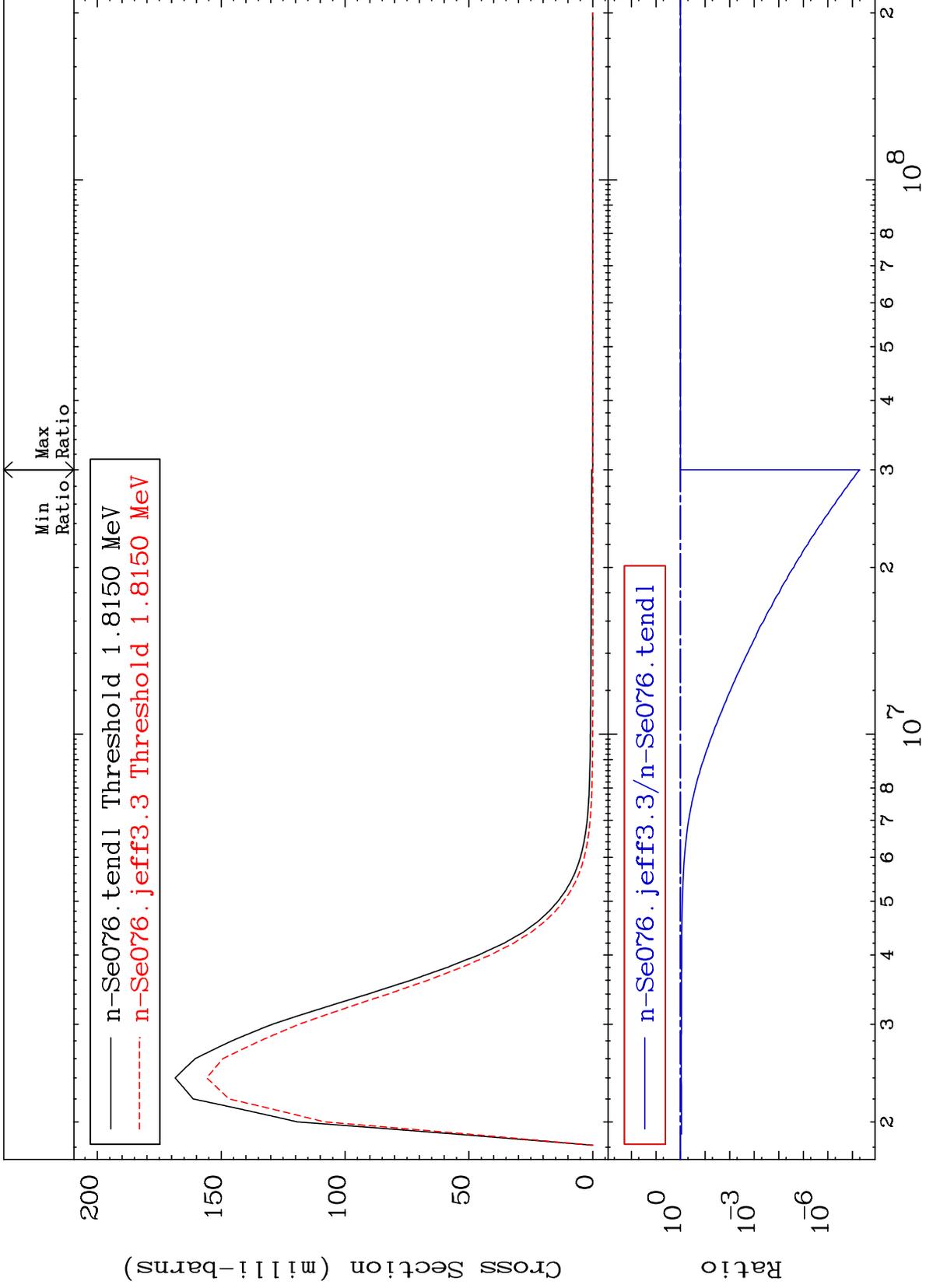
³⁴Se-76
-0.032 To 1.796 %



MAT 3431

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

34-Se-76
-100.0 To 0.000 %



25

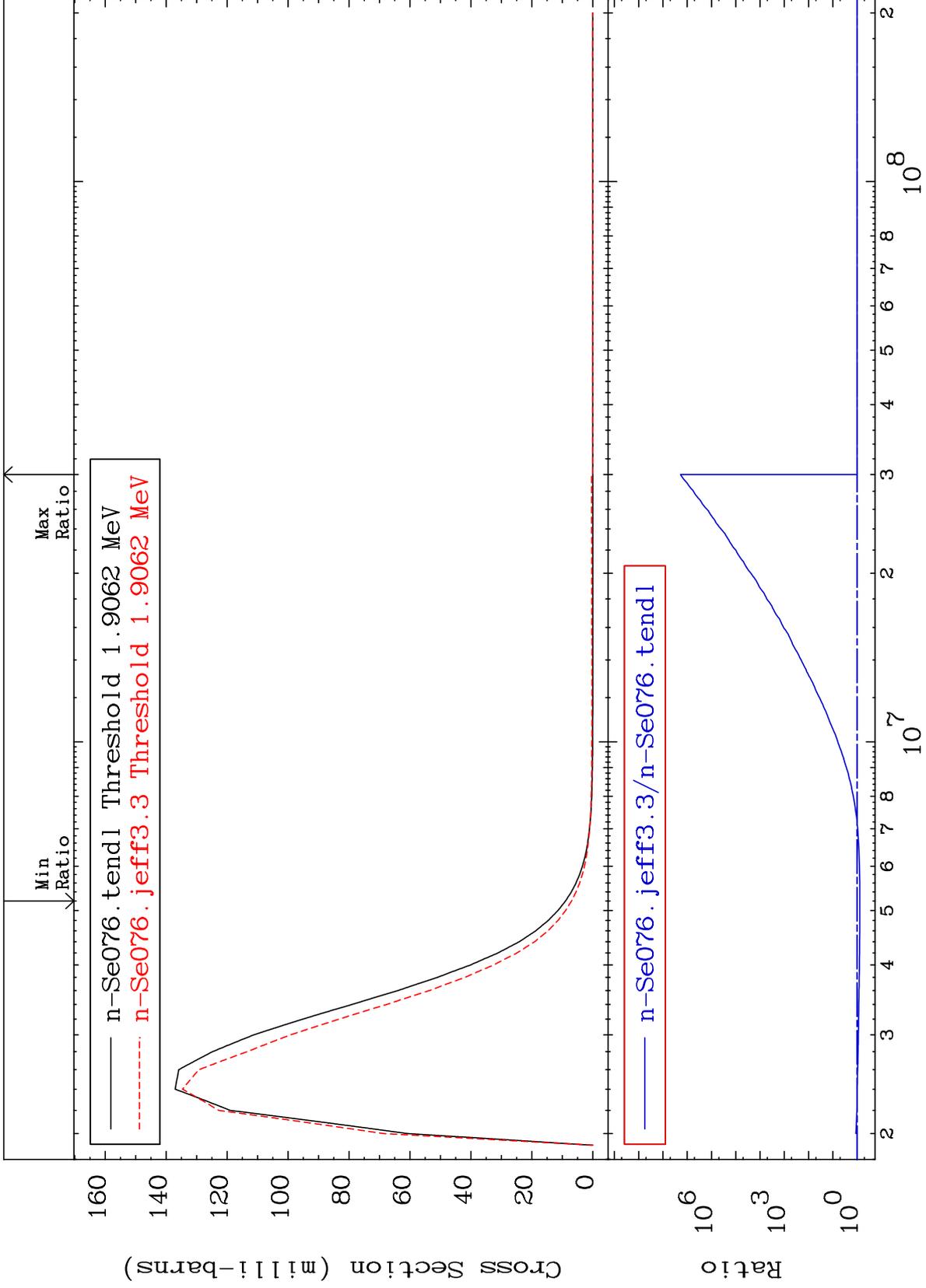
Incident Energy (eV)

34-Se-76

MAT 3431

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

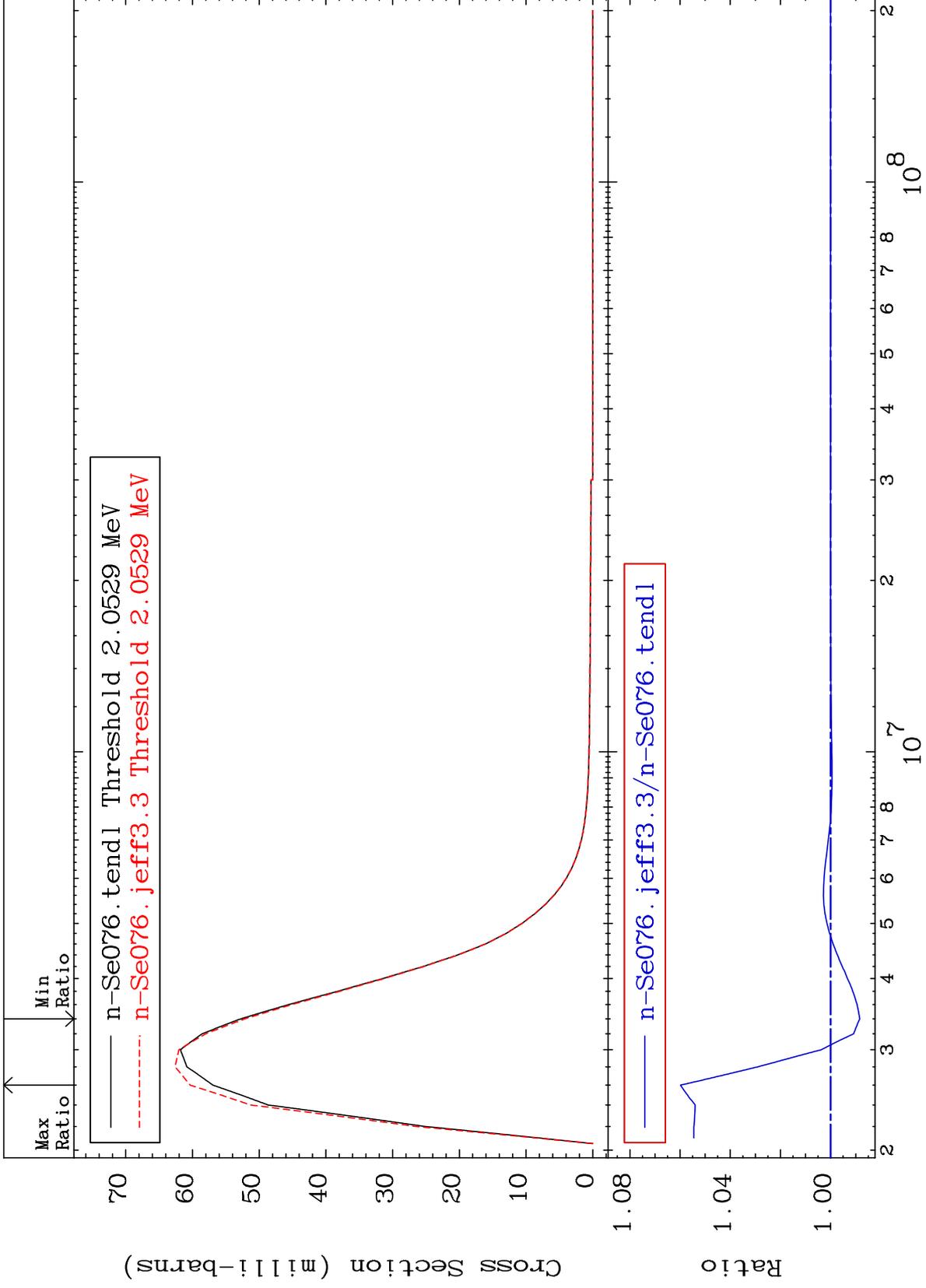
³⁴Se-76
-22.11 To 9999. %



MAT 3431

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

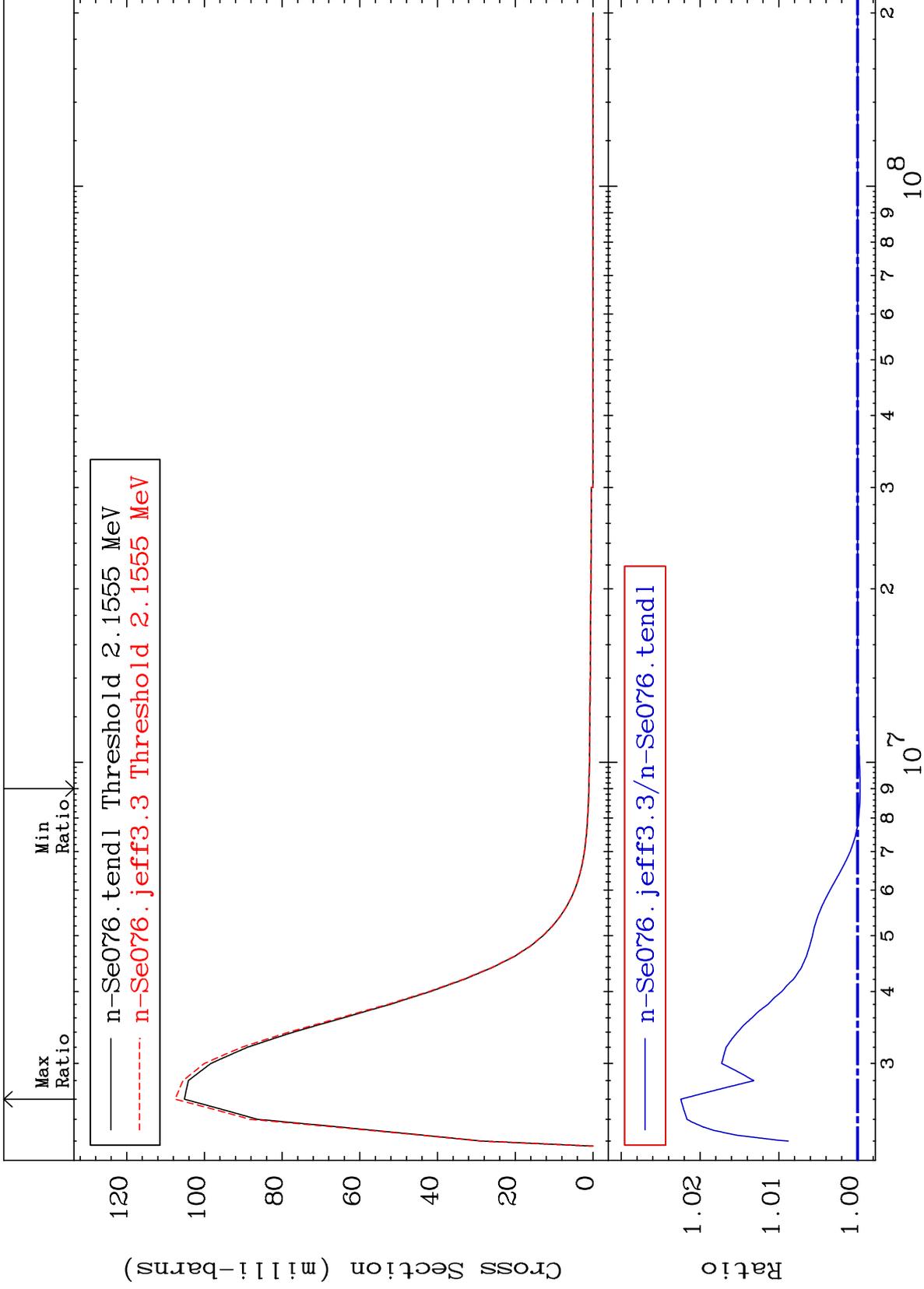
³⁴Se-76
-1.162 To 5.982 %



MAT 3431

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

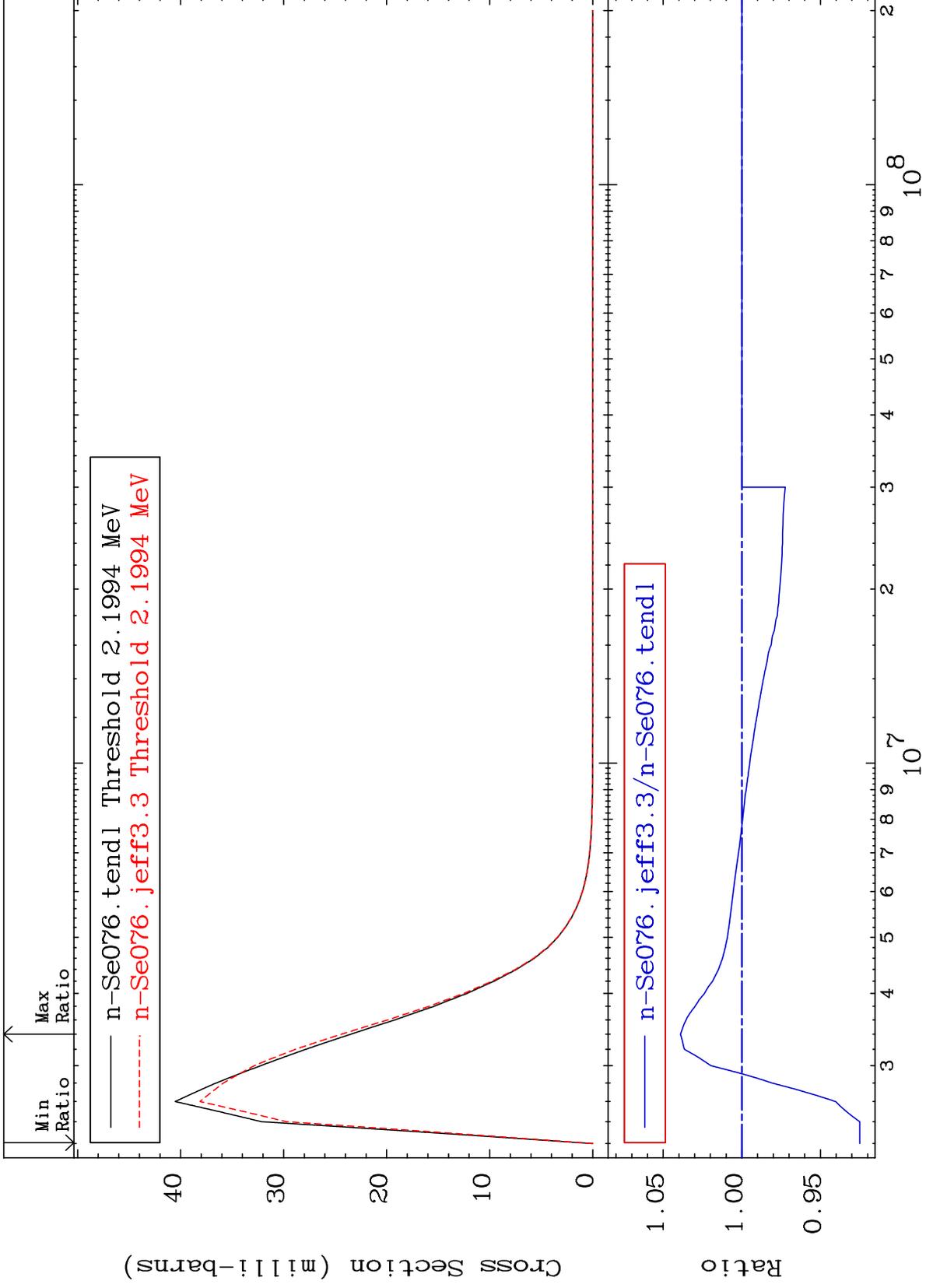
³⁴Se-76
-0.032 To 2.245 %



MAT 3431

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

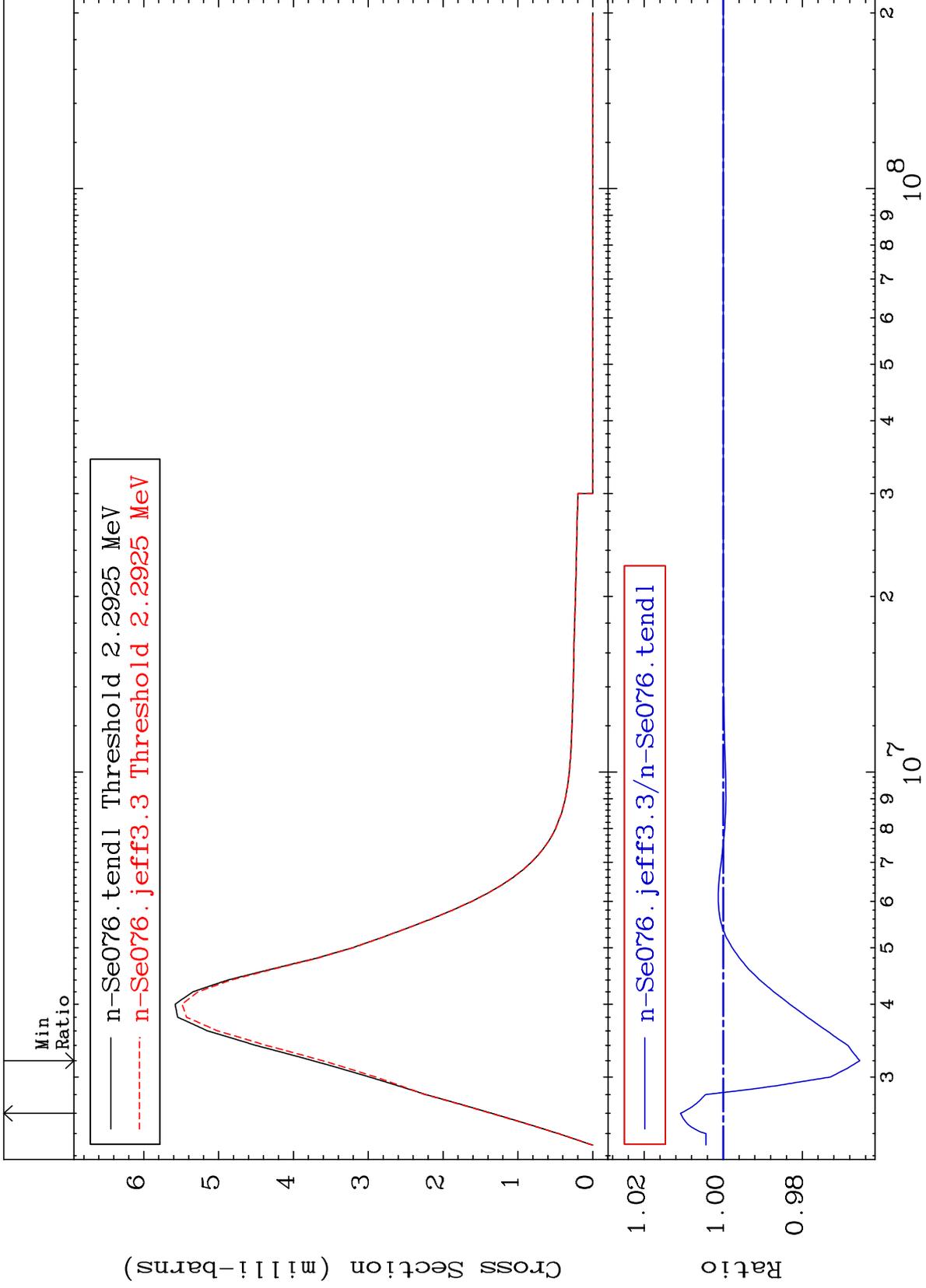
³⁴Se-76
-7.501 To 3.900 %



MAT 3431

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

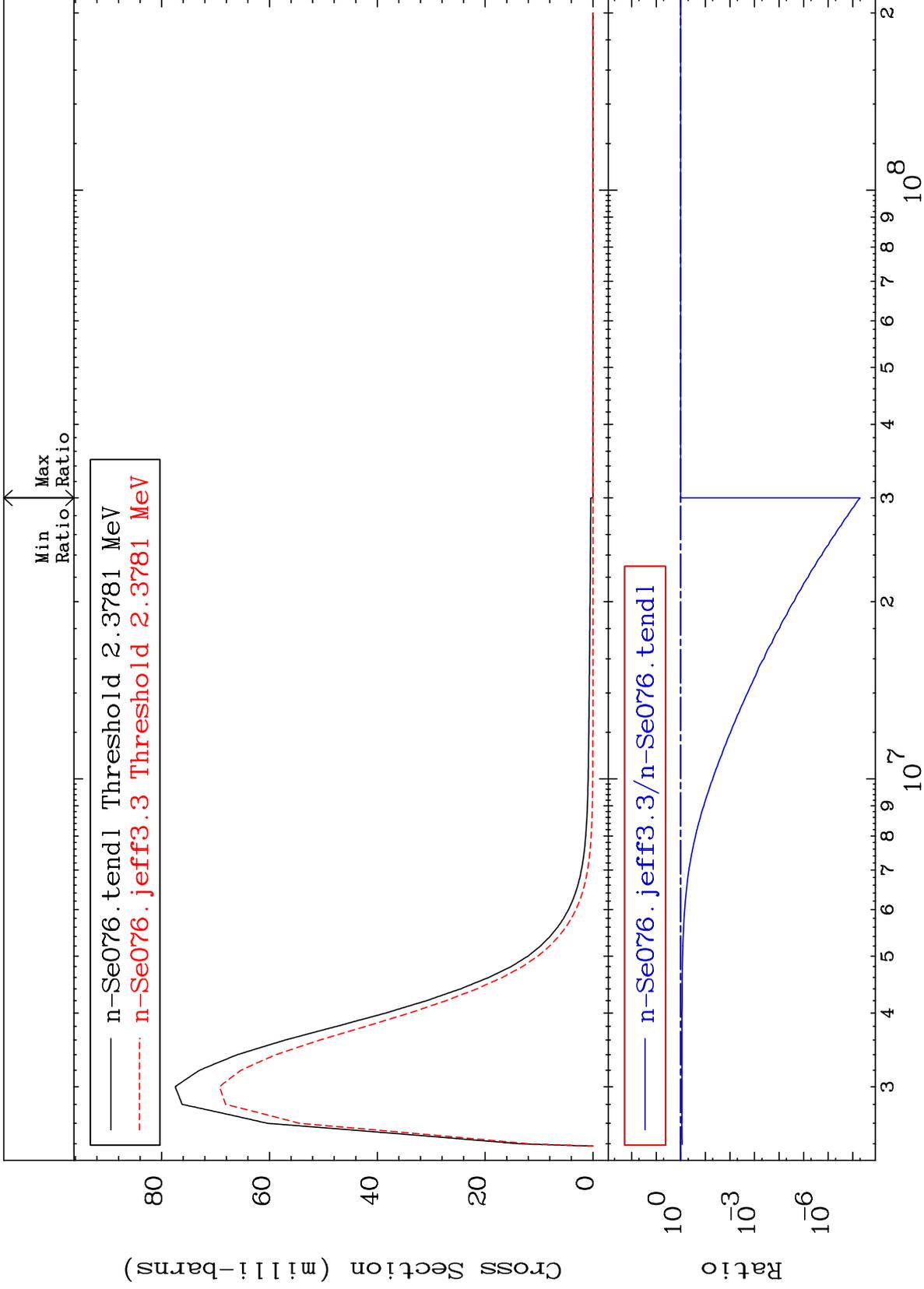
³⁴Se-76
-3.454 To 1.081 %



MAT 3431

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

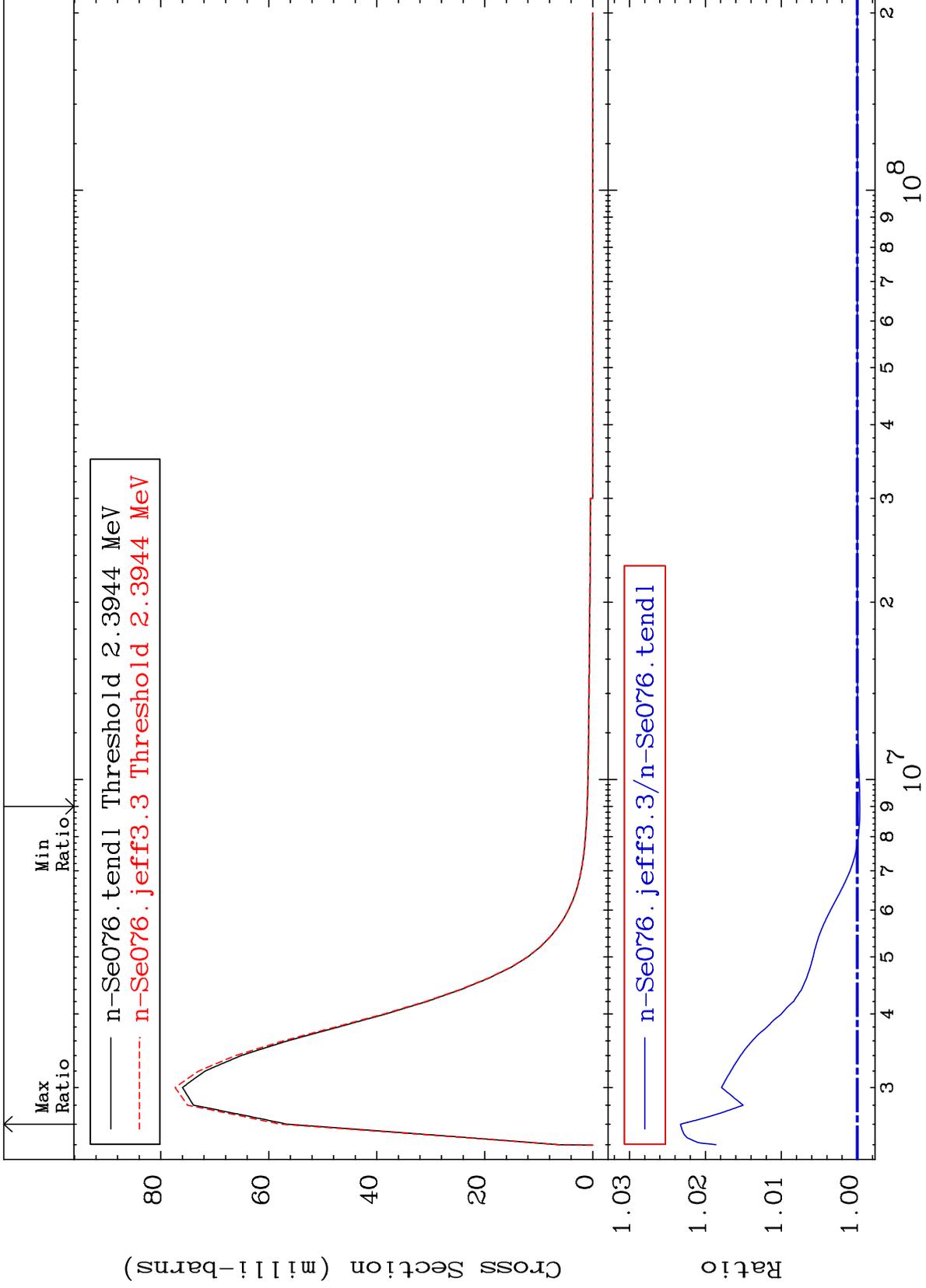
34-Se-76
-100.0 To 0.000 %



MAT 3431

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

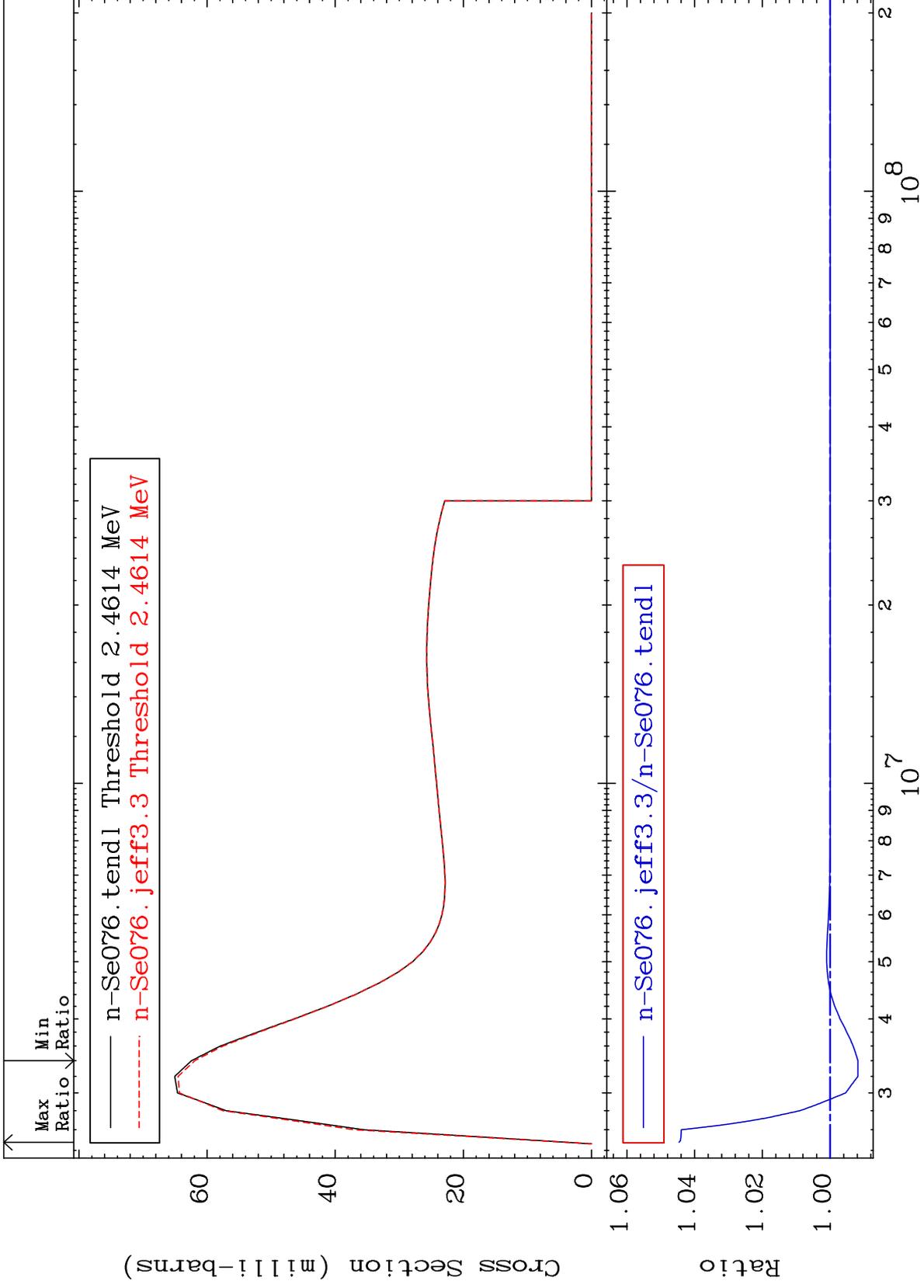
³⁴Se-76
-0.033 To 2.328 %



MAT 3431

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

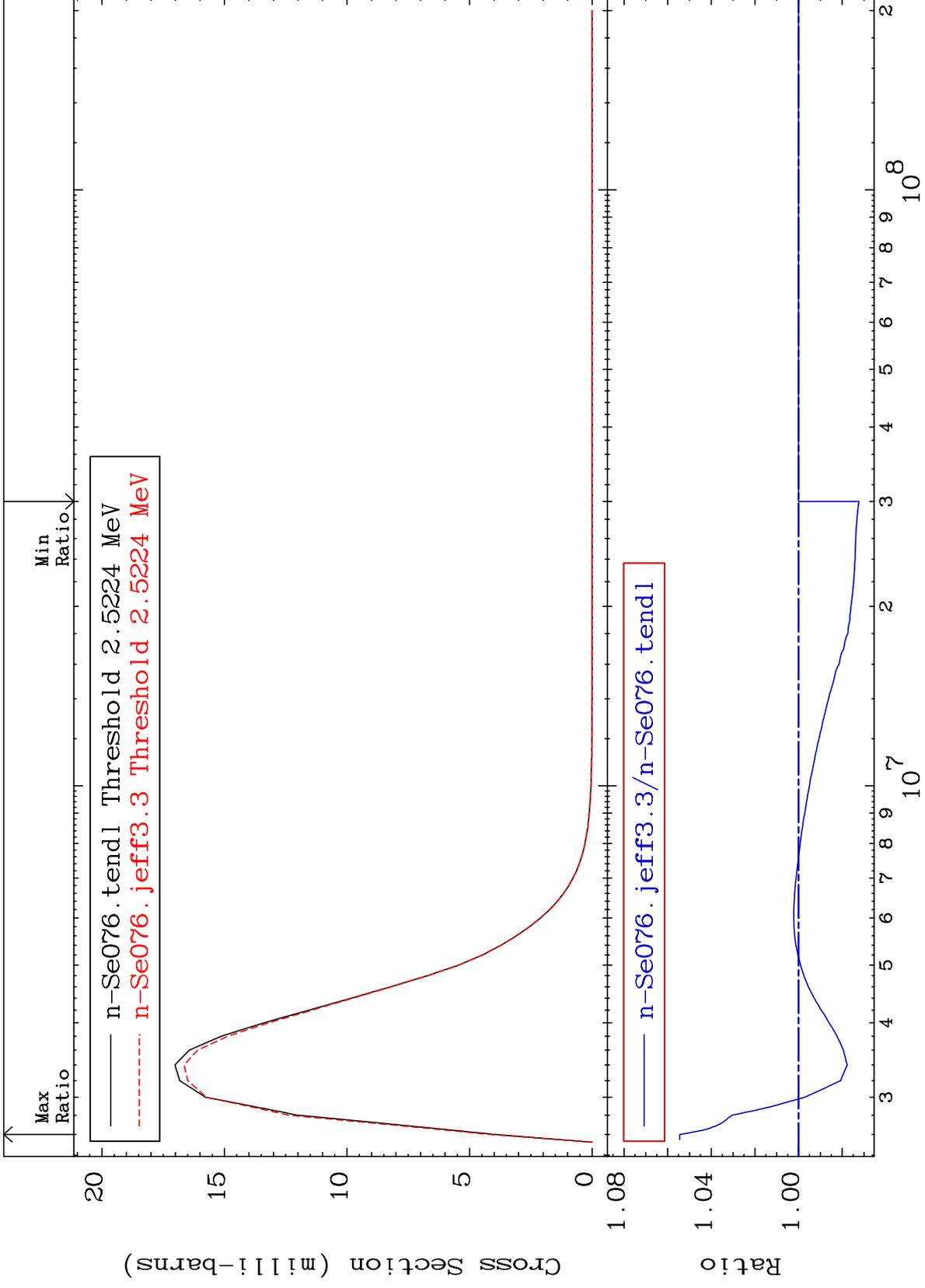
³⁴Se-76
-0.820 To 4.460 %



MAT 3431

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

³⁴Se-76
-2.762 To 5.444 %



34

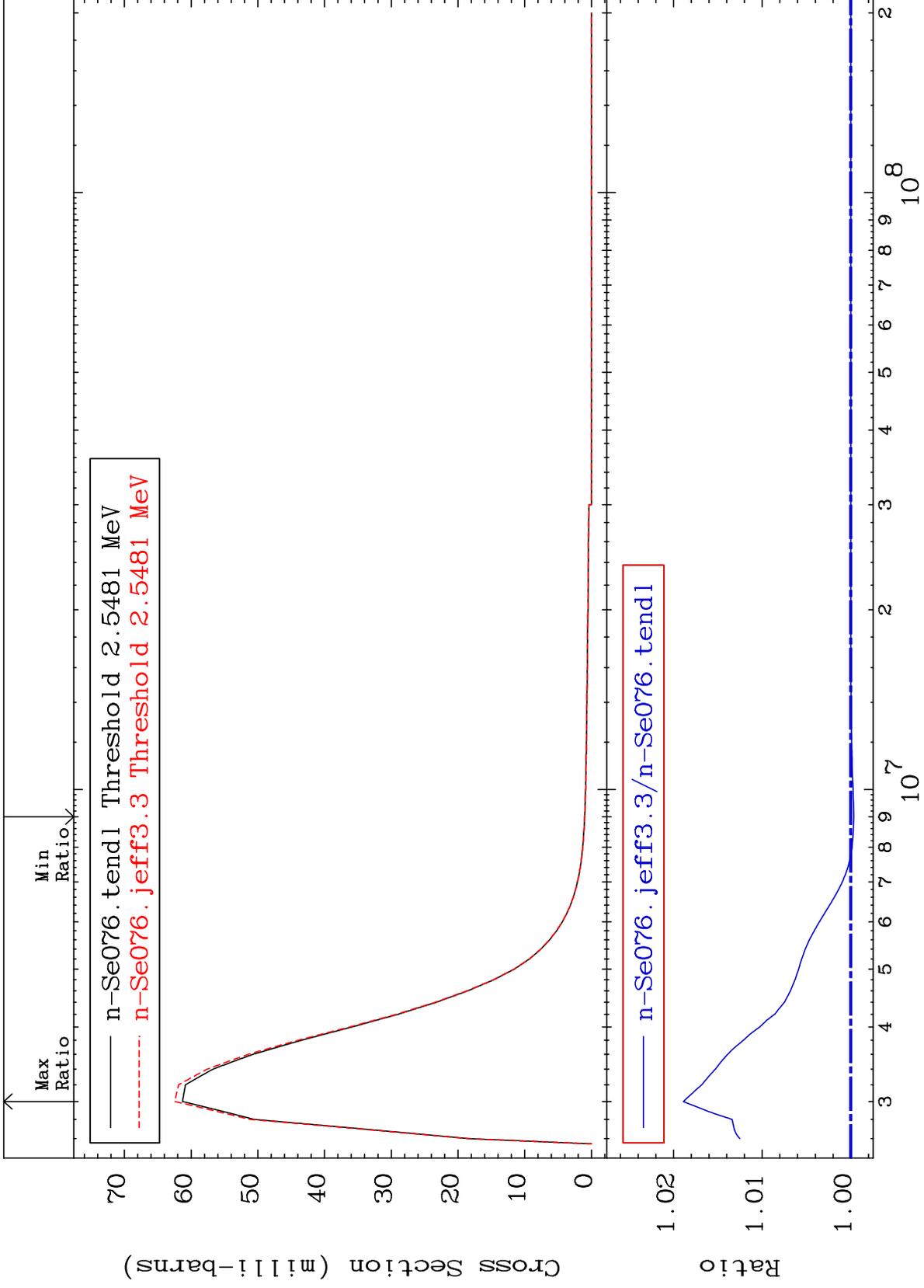
Incident Energy (eV)

³⁴Se-76

MAT 3431

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

³⁴Se-76
-0.032 To 1.890 %



35

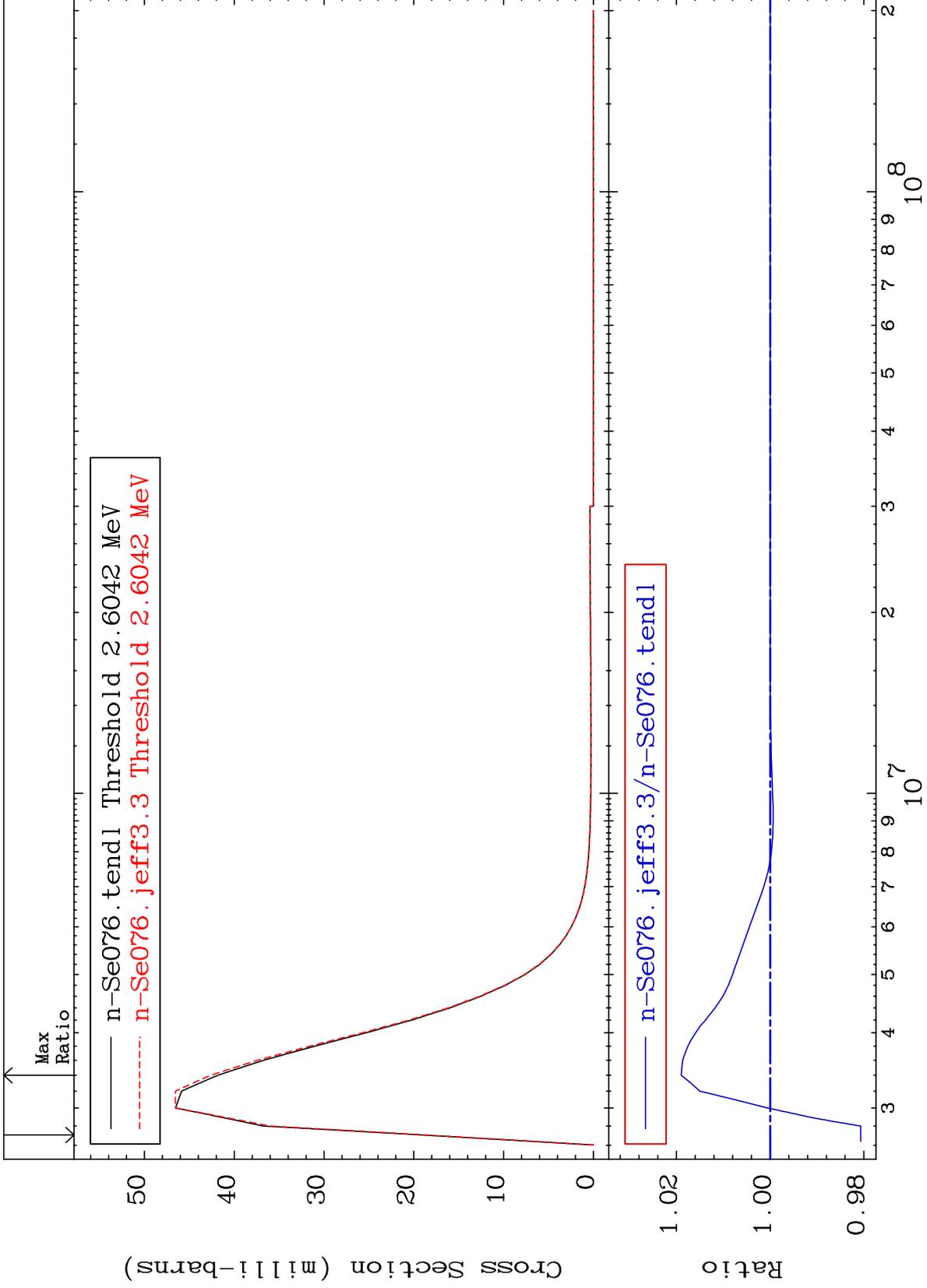
Incident Energy (eV)

³⁴Se-76

MAT 3431

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

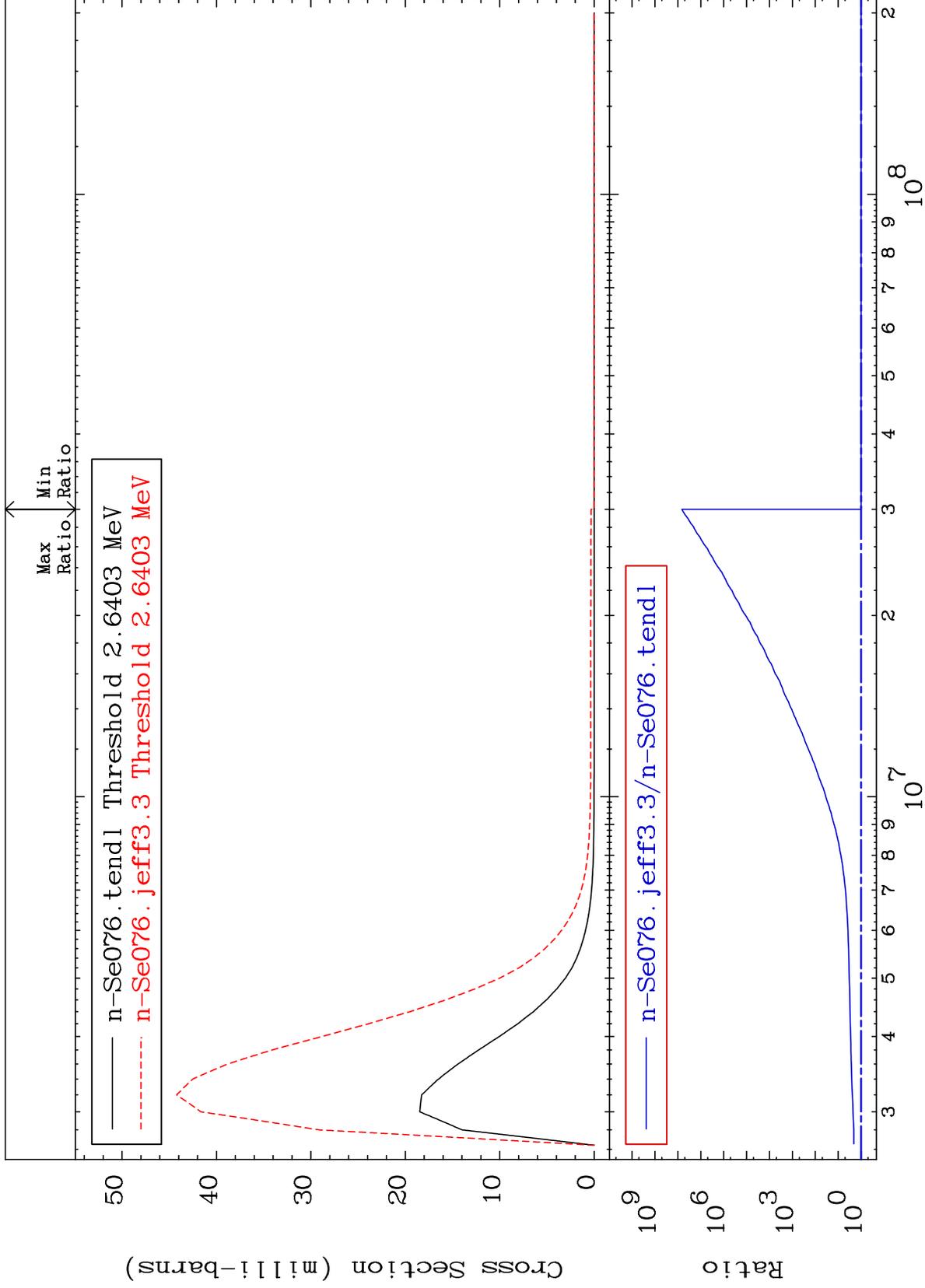
³⁴Se-76
-1.932 To 1.898 %



MAT 3431

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

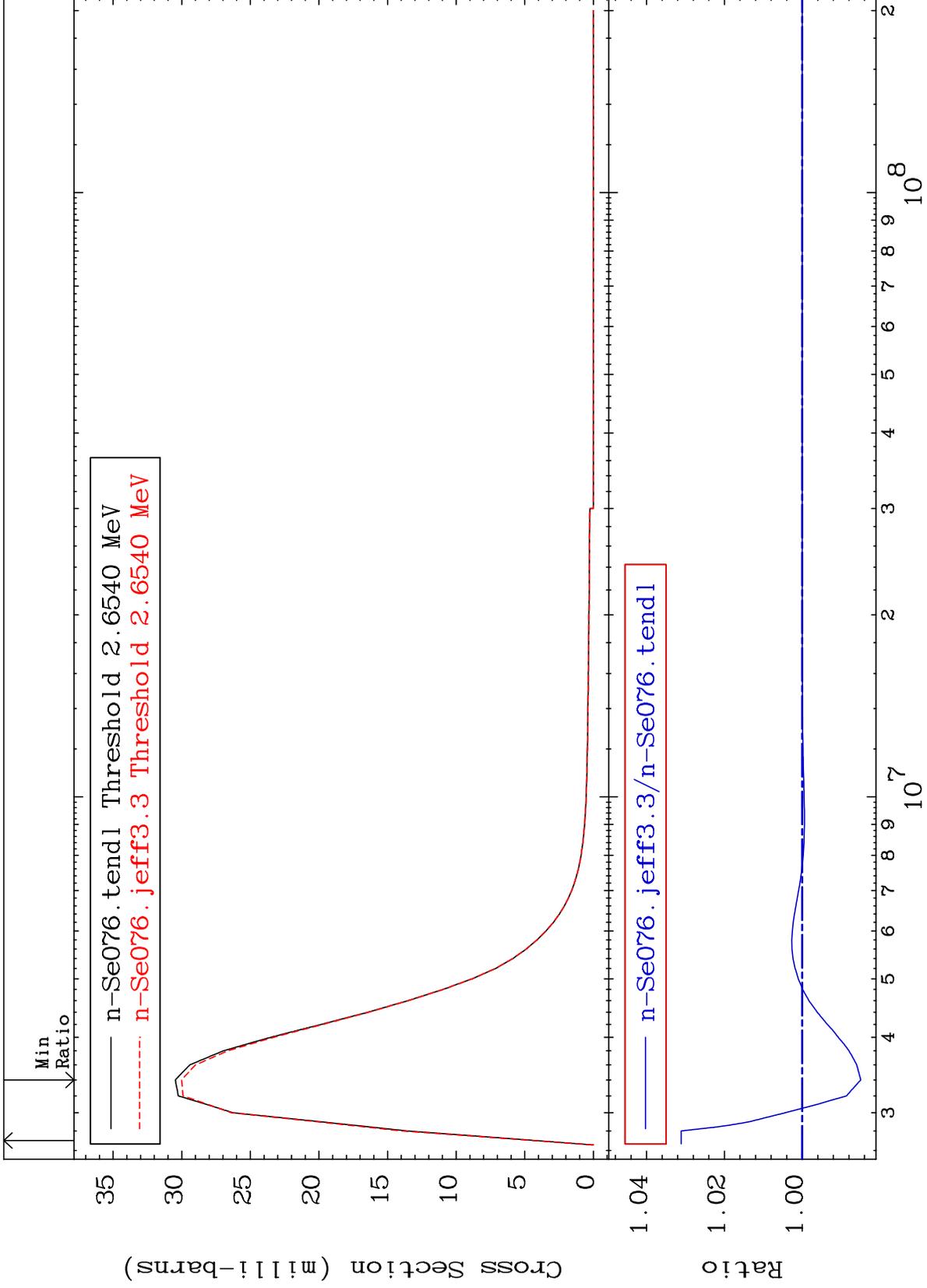
34-Se-76
To 9999. %



MAT 3431

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

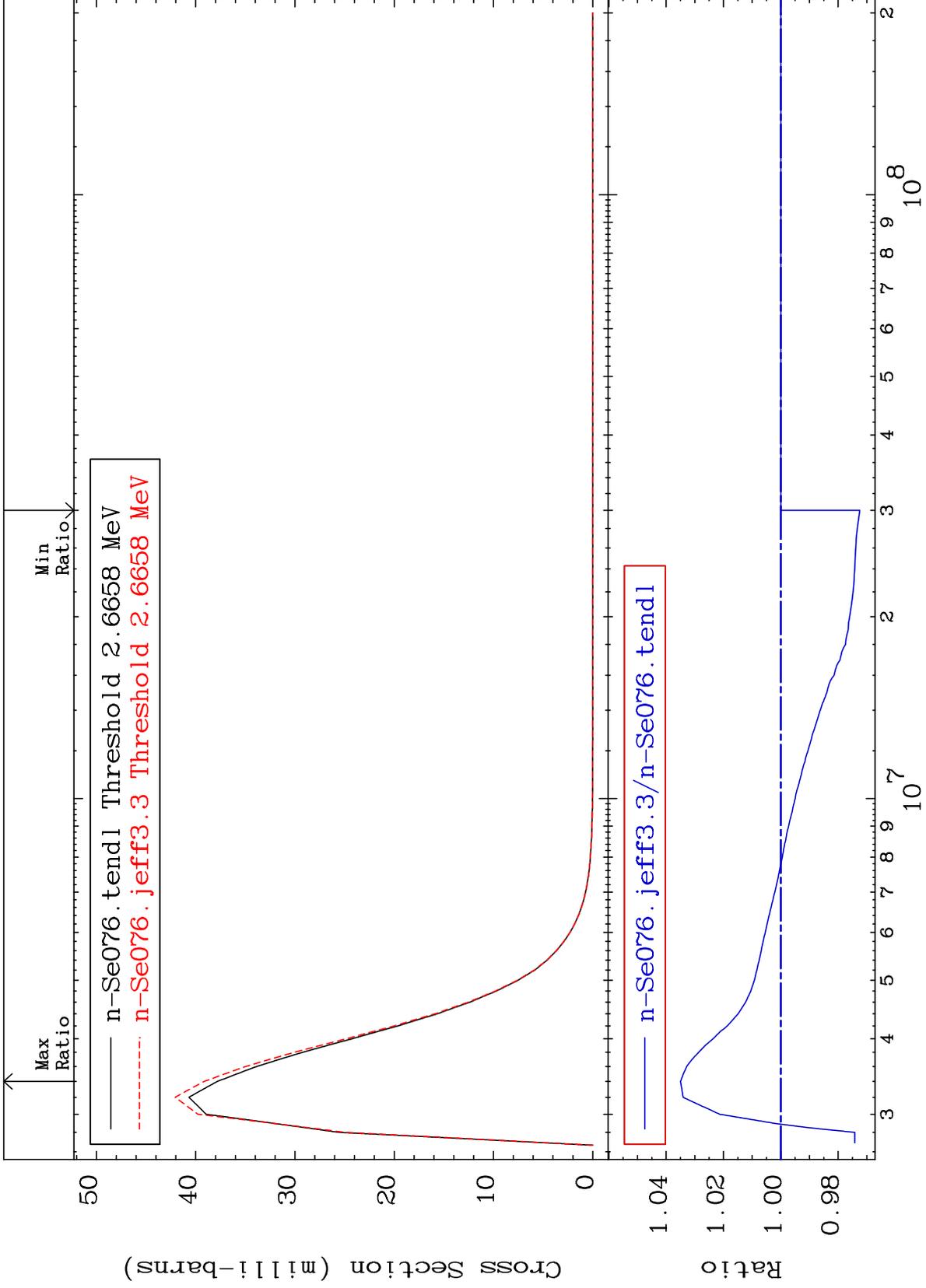
³⁴Se-76
-1.503 To 3.108 %



MAT 3431

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

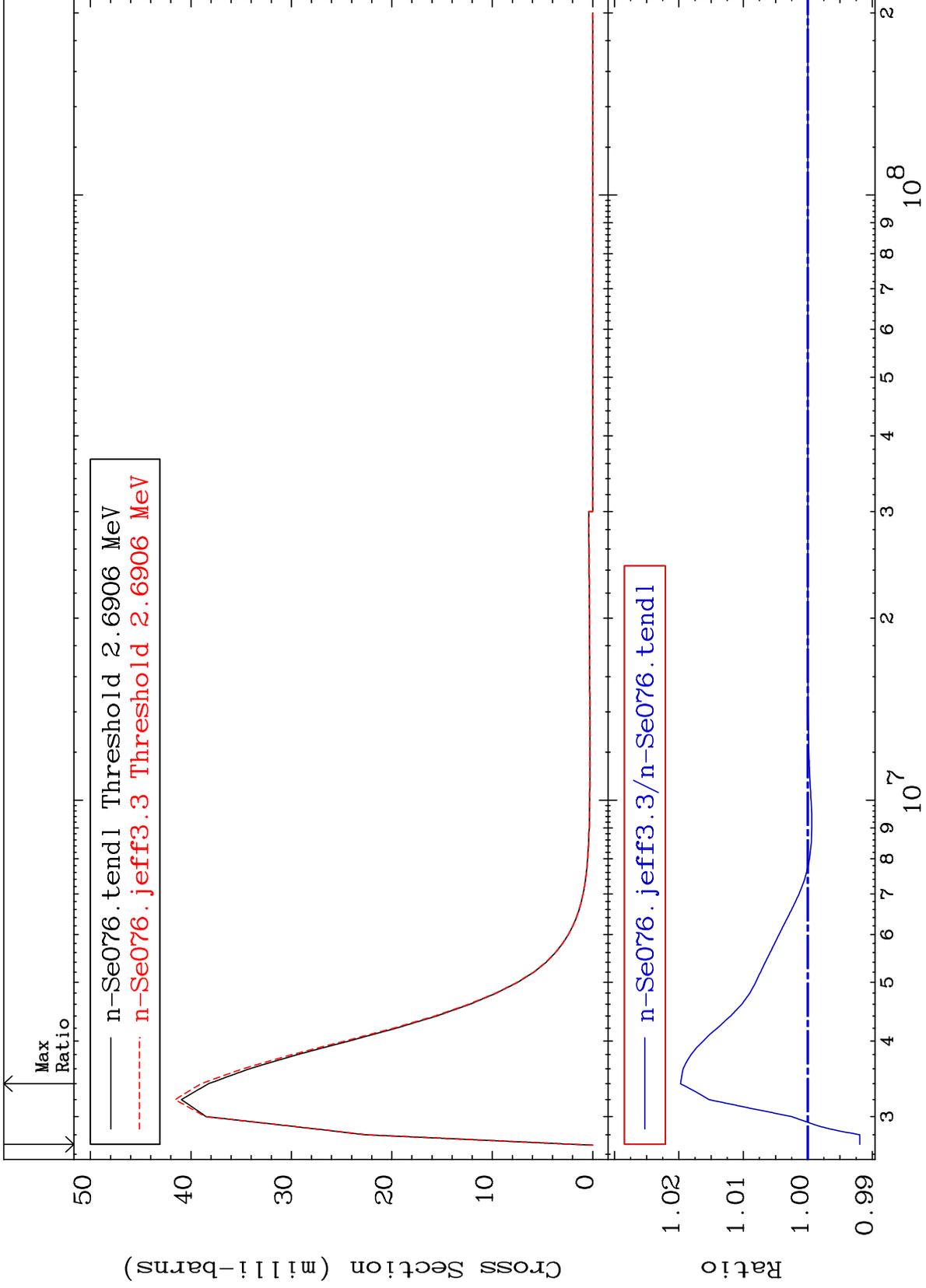
³⁴Se-76
-2.755 To 3.499 %



MAT 3431

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

³⁴Se-76
-0.806 To 1.975 %



40

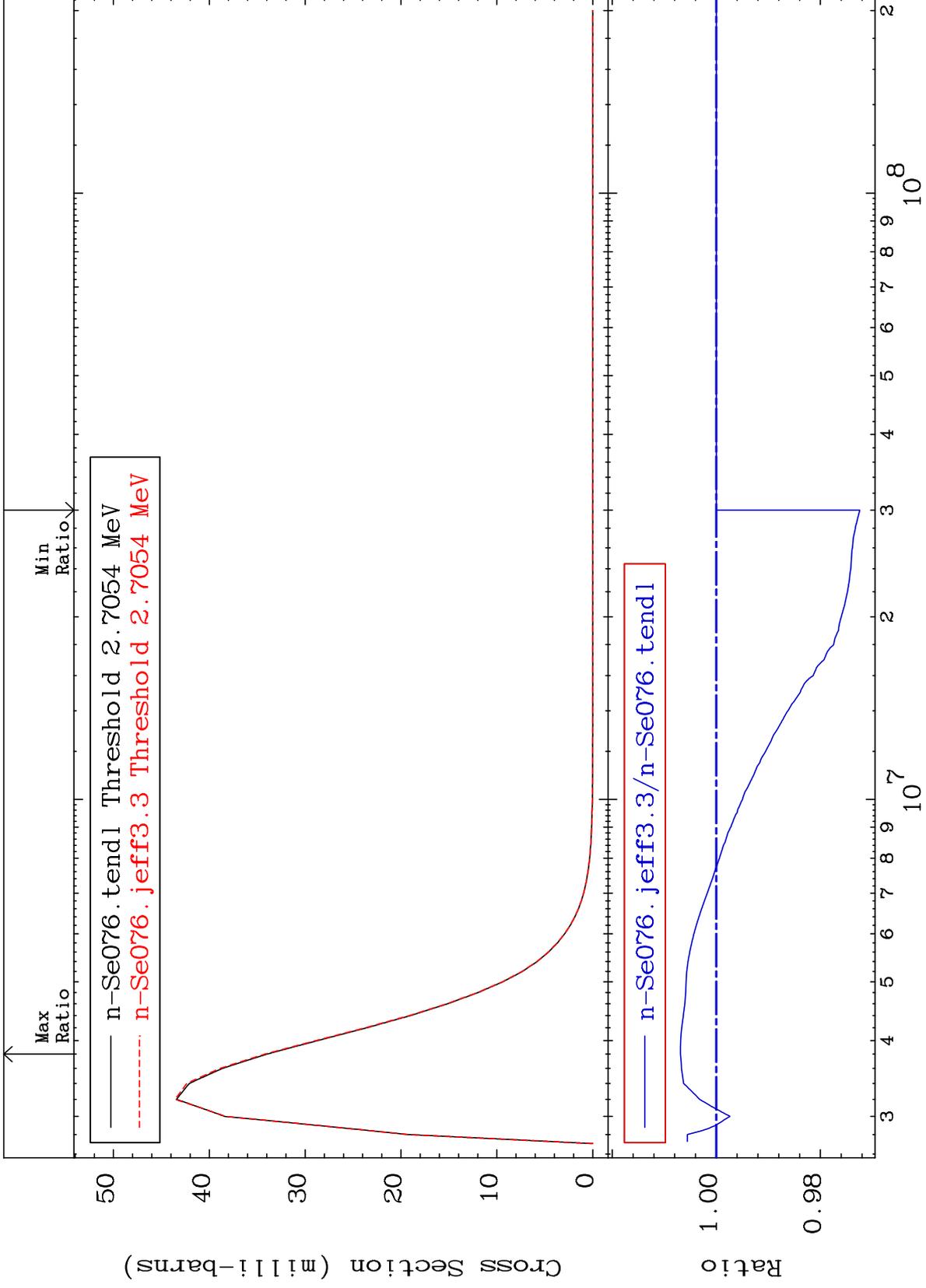
Incident Energy (eV)

³⁴Se-76

MAT 3431

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

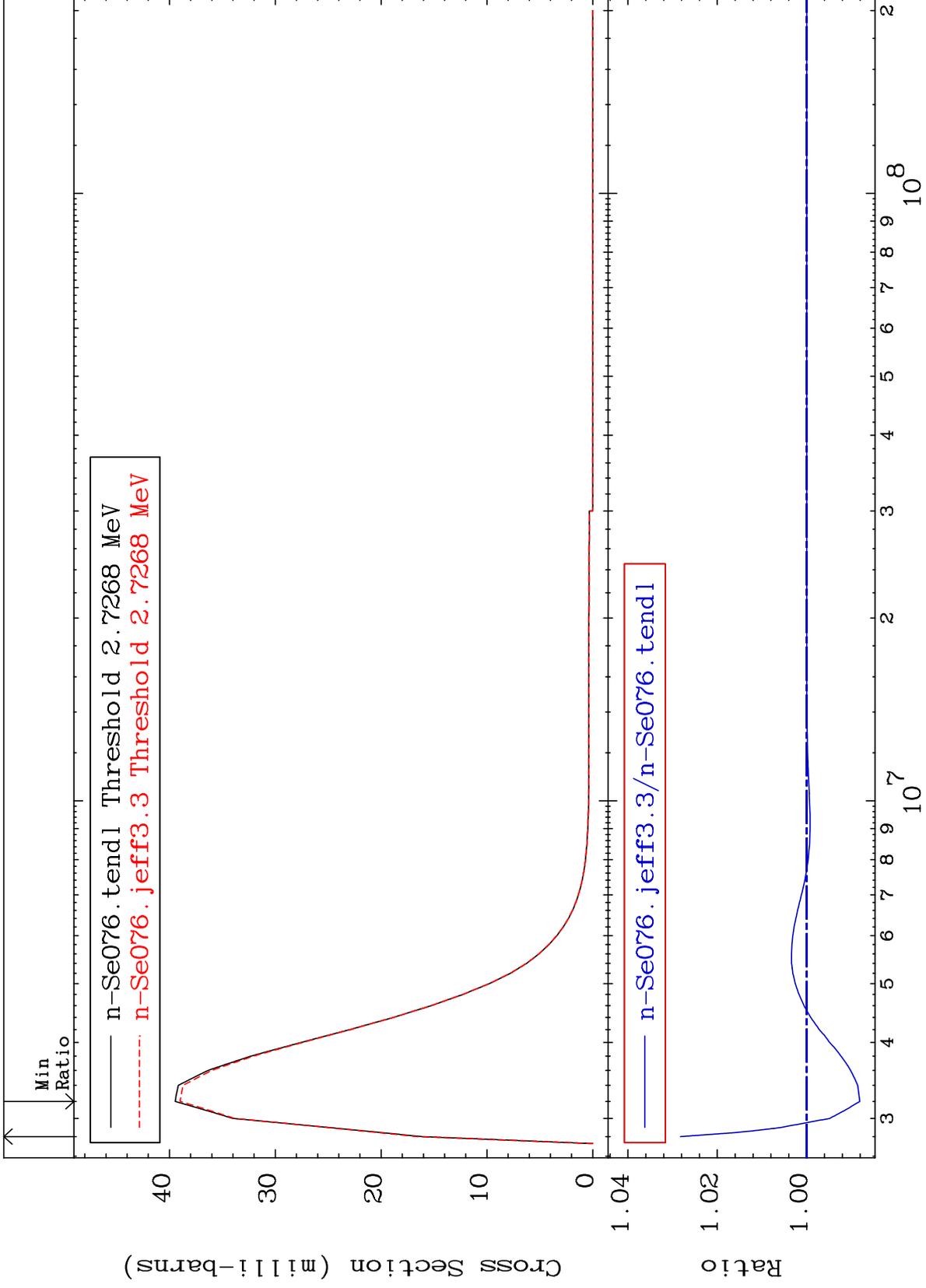
³⁴Se-76
-2.757 To 0.688 %



MAT 3431

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

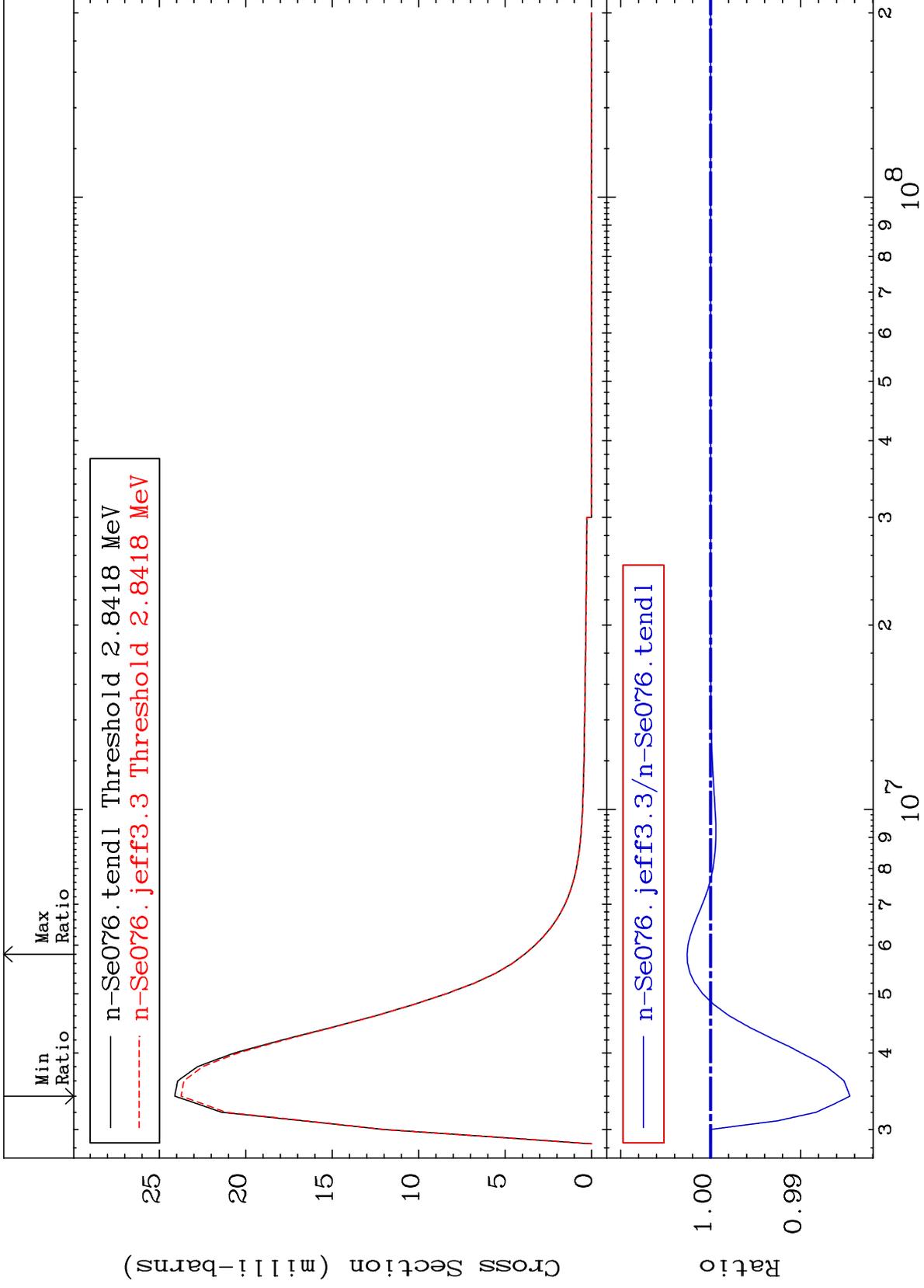
³⁴Se-76
-1.189 To 2.823 %



MAT 3431

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

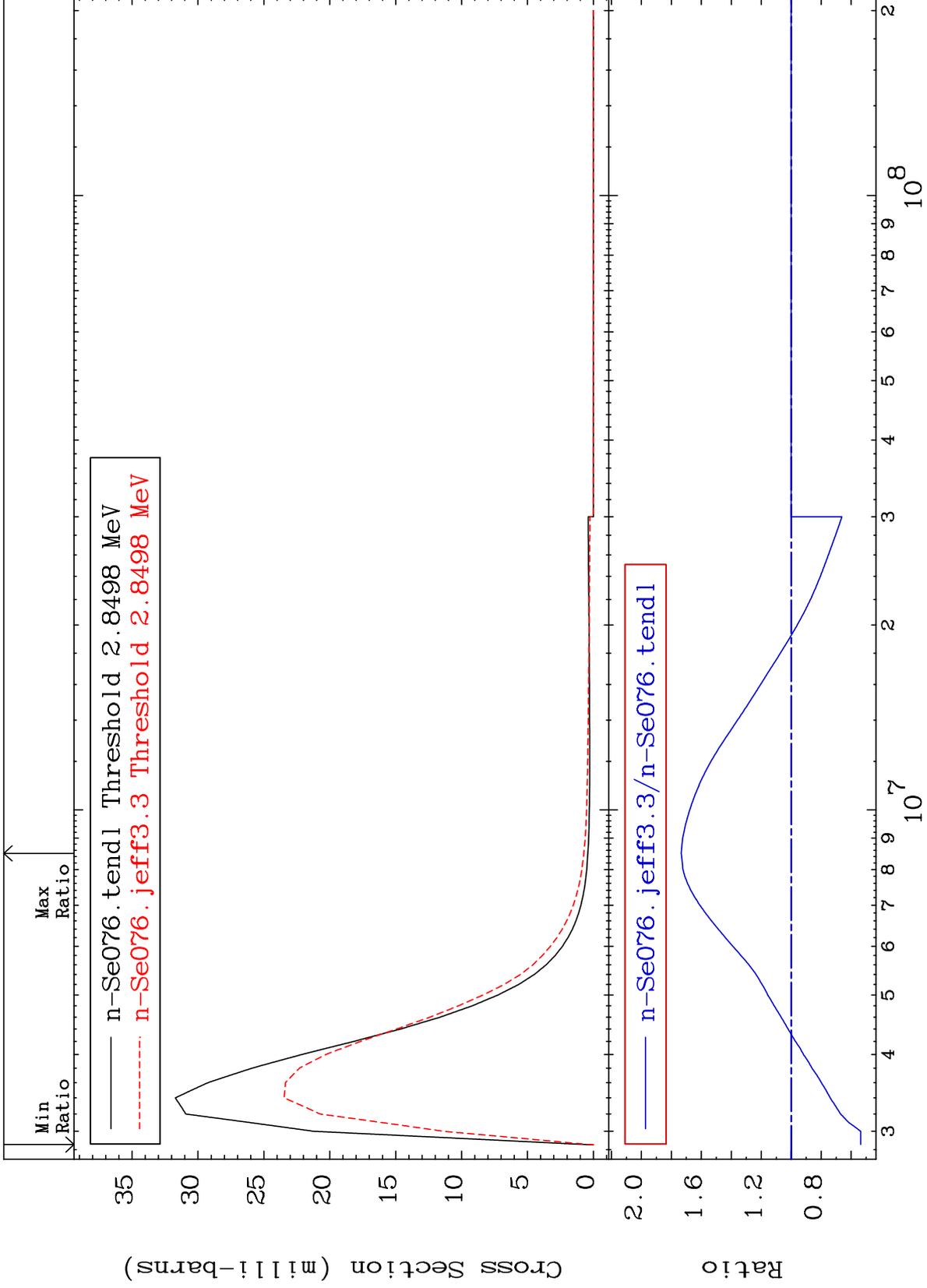
³⁴Se-76
-1.547 To 0.261 %



MAT 3431

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

³⁴Se-76
-46.37 To 73.38 %



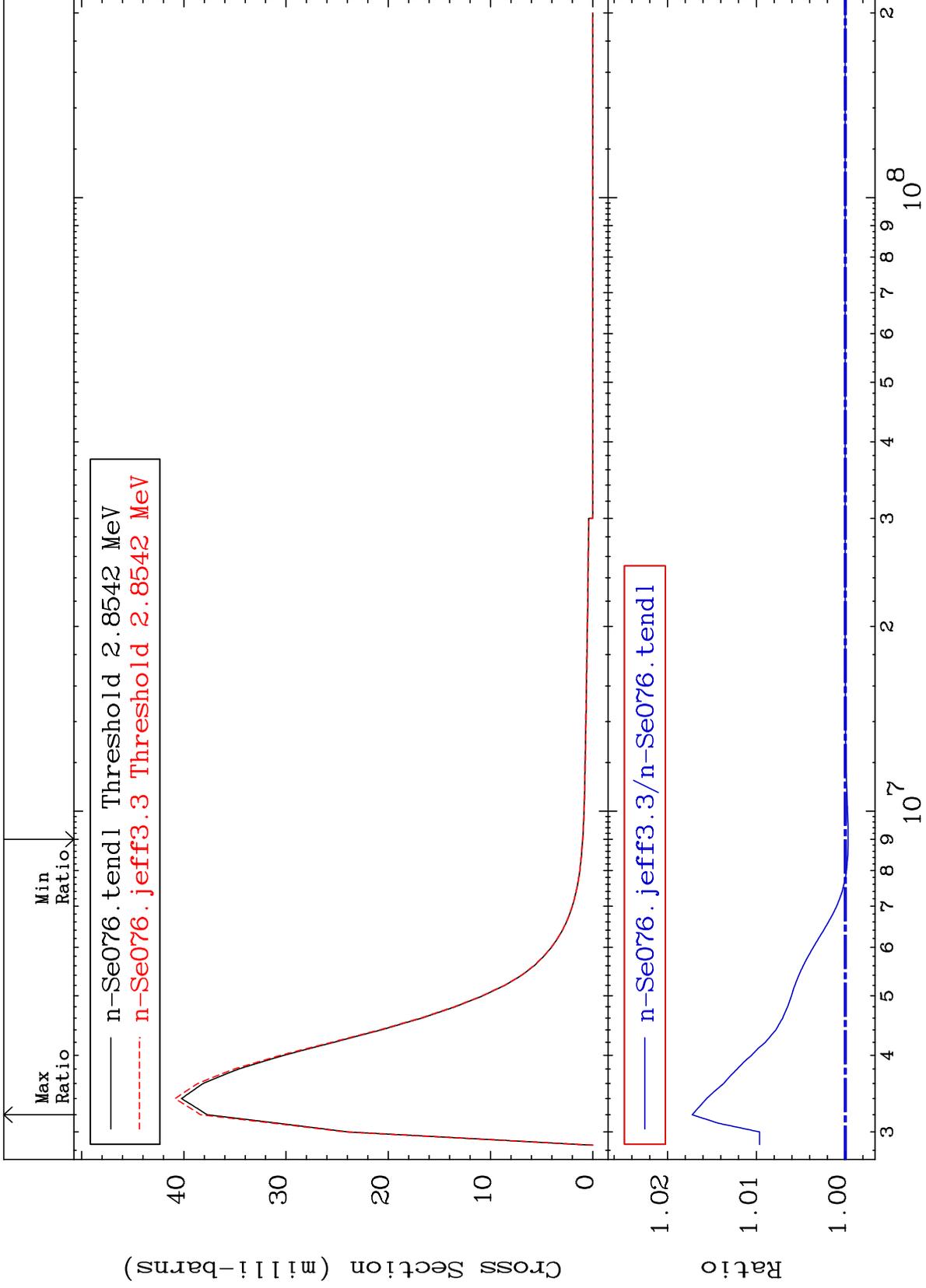
Min Ratio Max Ratio
— n-Se076.tendl Threshold 2.8498 MeV
- - - n-Se076.jeff3.3 Threshold 2.8498 MeV

— n-Se076.jeff3.3/n-Se076.tendl

MAT 3431

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

³⁴Se-76
-0.033 To 1.723 %



45

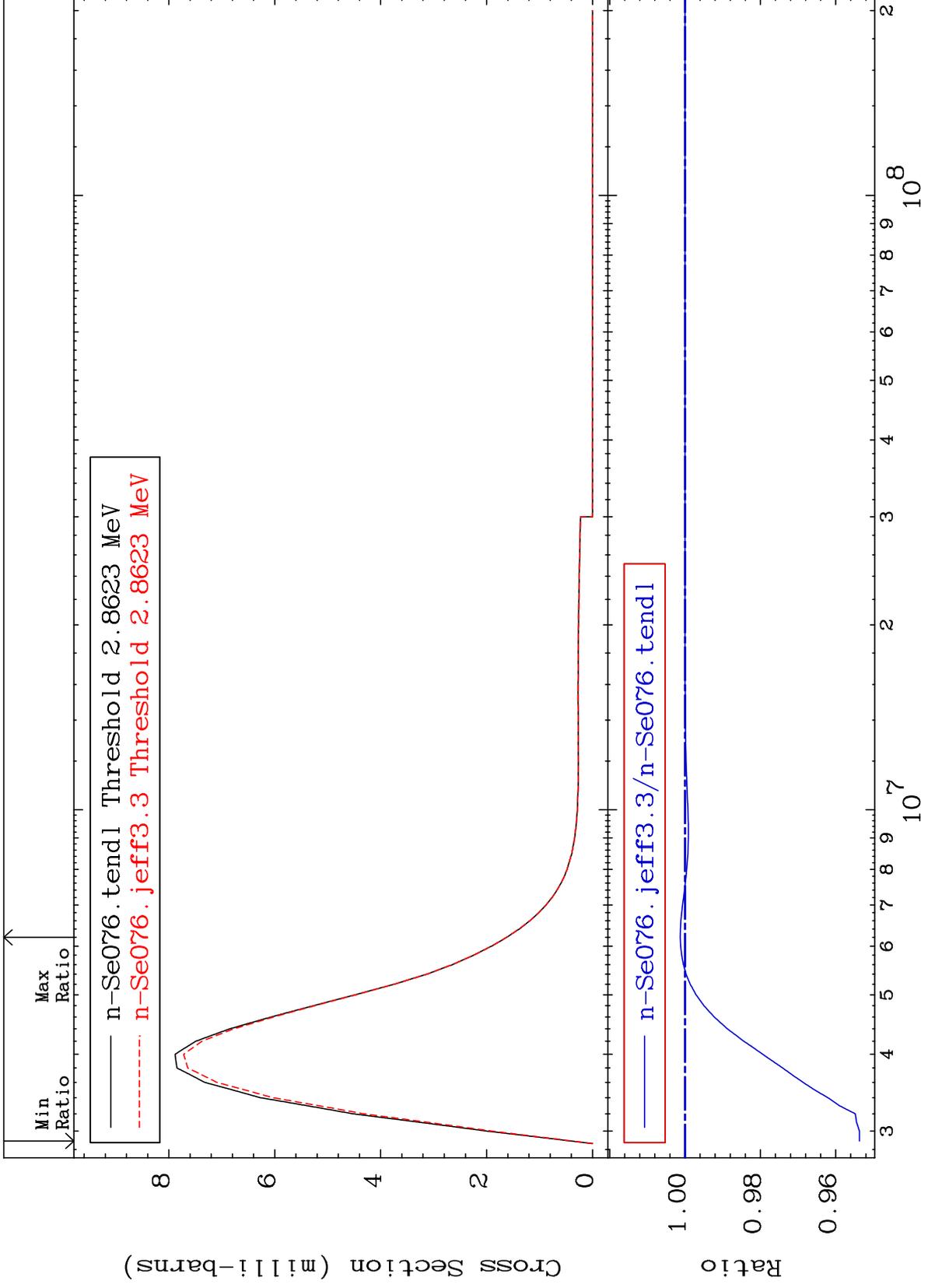
Incident Energy (eV)

³⁴Se-76

MAT 3431

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

³⁴Se-76
-4.630 To 0.126 %



46

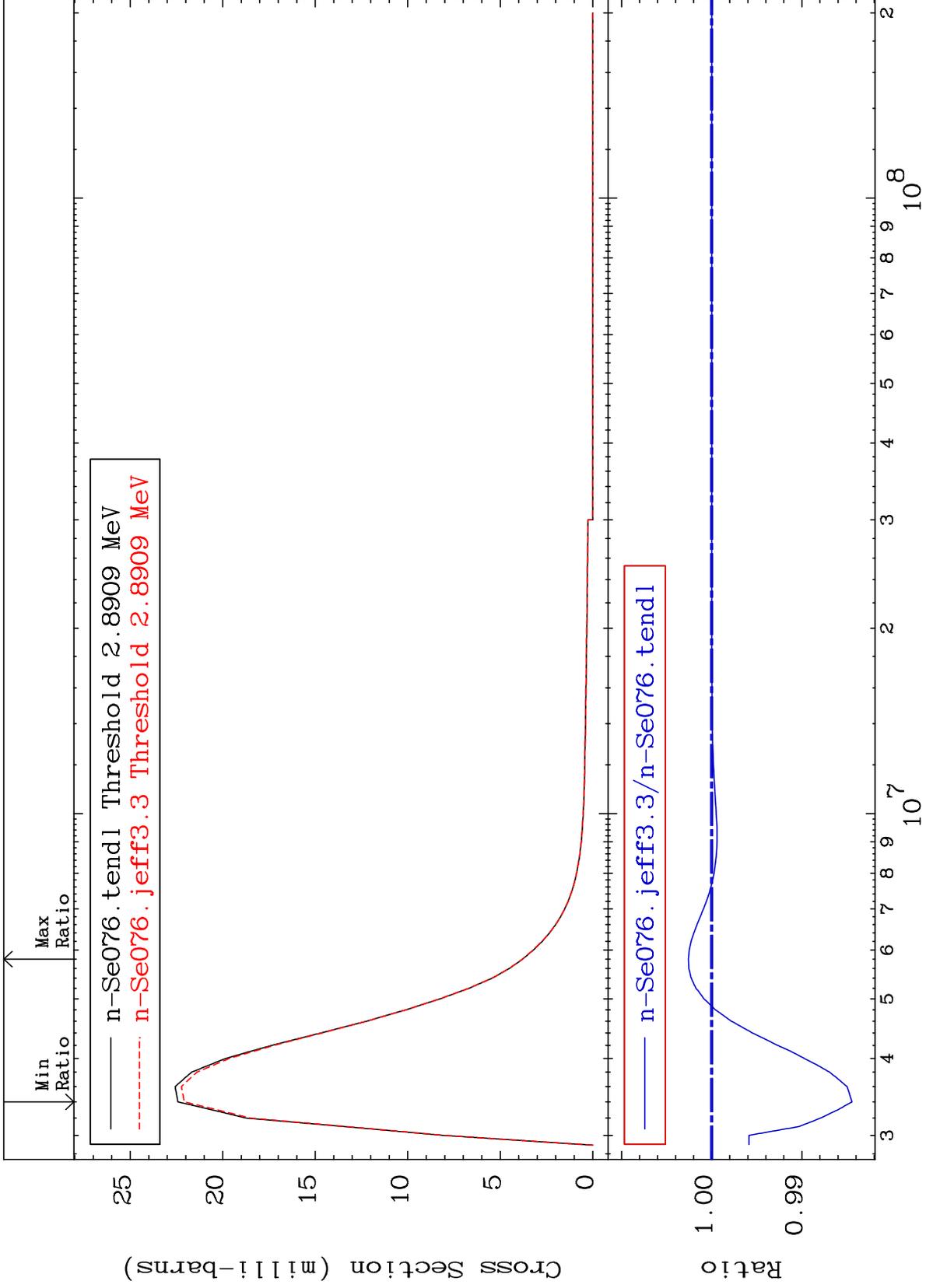
Incident Energy (eV)

³⁴Se-76

MAT 3431

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

34-Se-76
-1.555 To 0.260 %



47

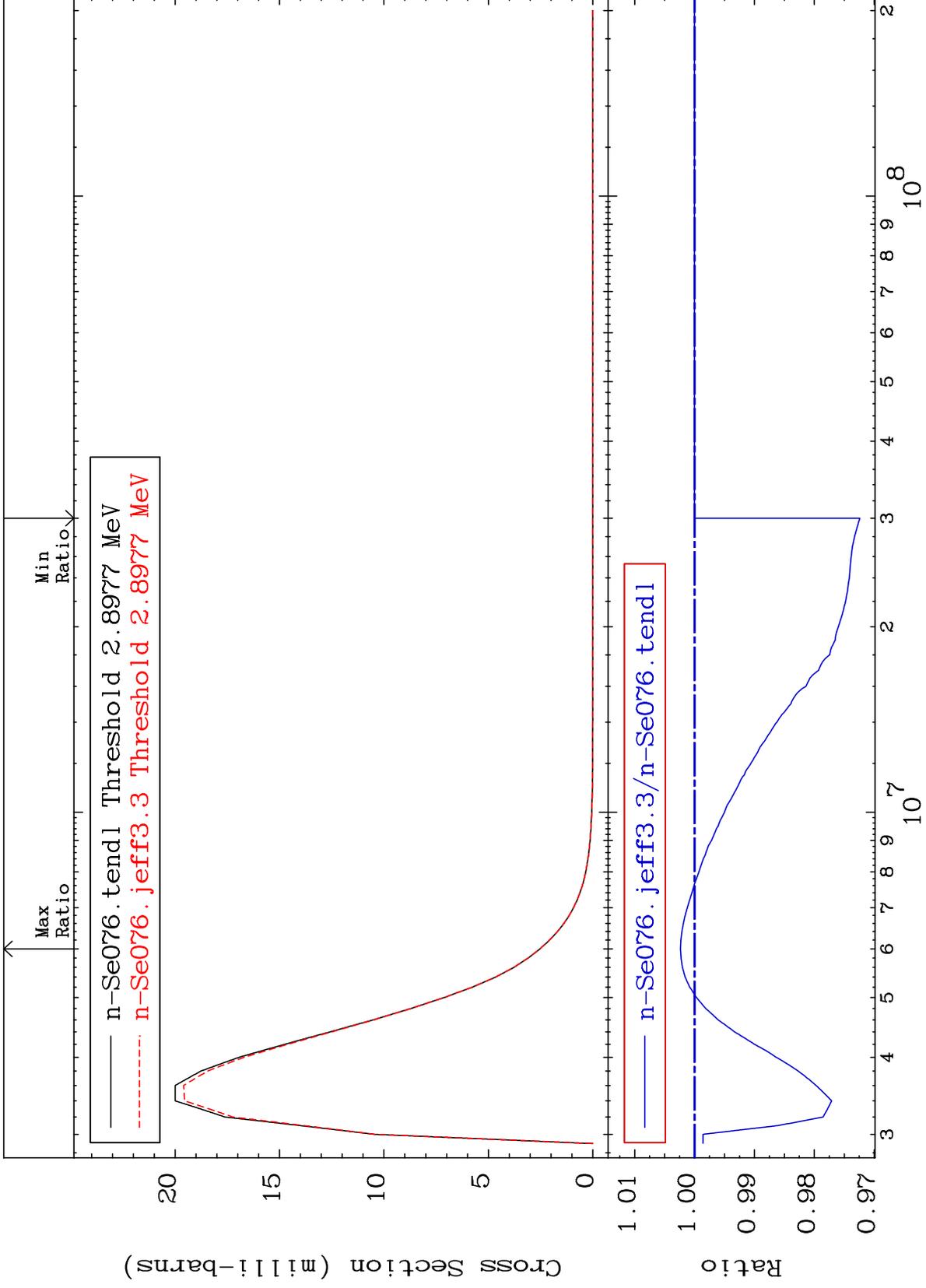
Incident Energy (eV)

34-Se-76

MAT 3431

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

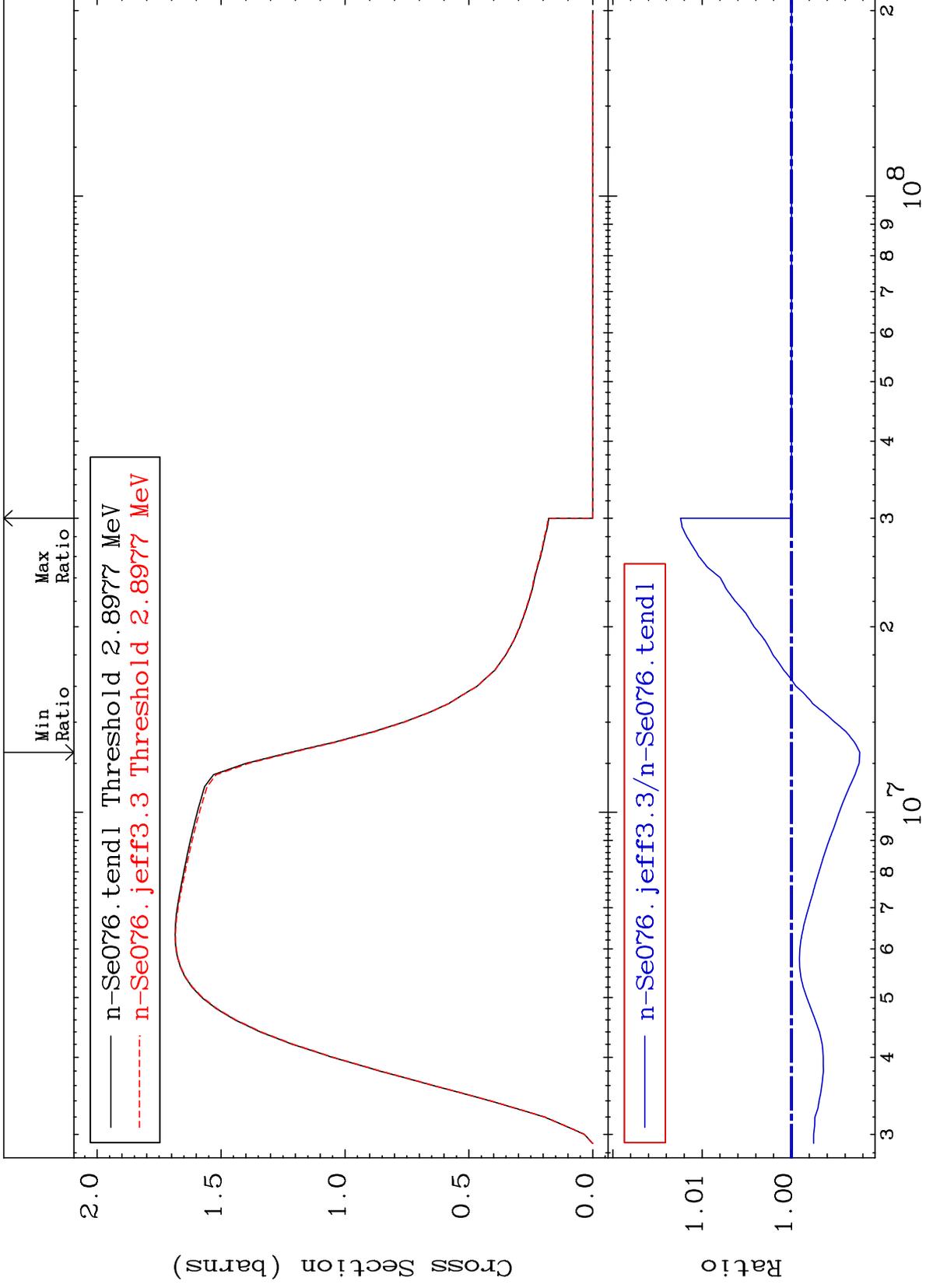
³⁴Se-76
-2.760 To 0.234 %



MAT 3431

(n, n') Continuum
Cross Section

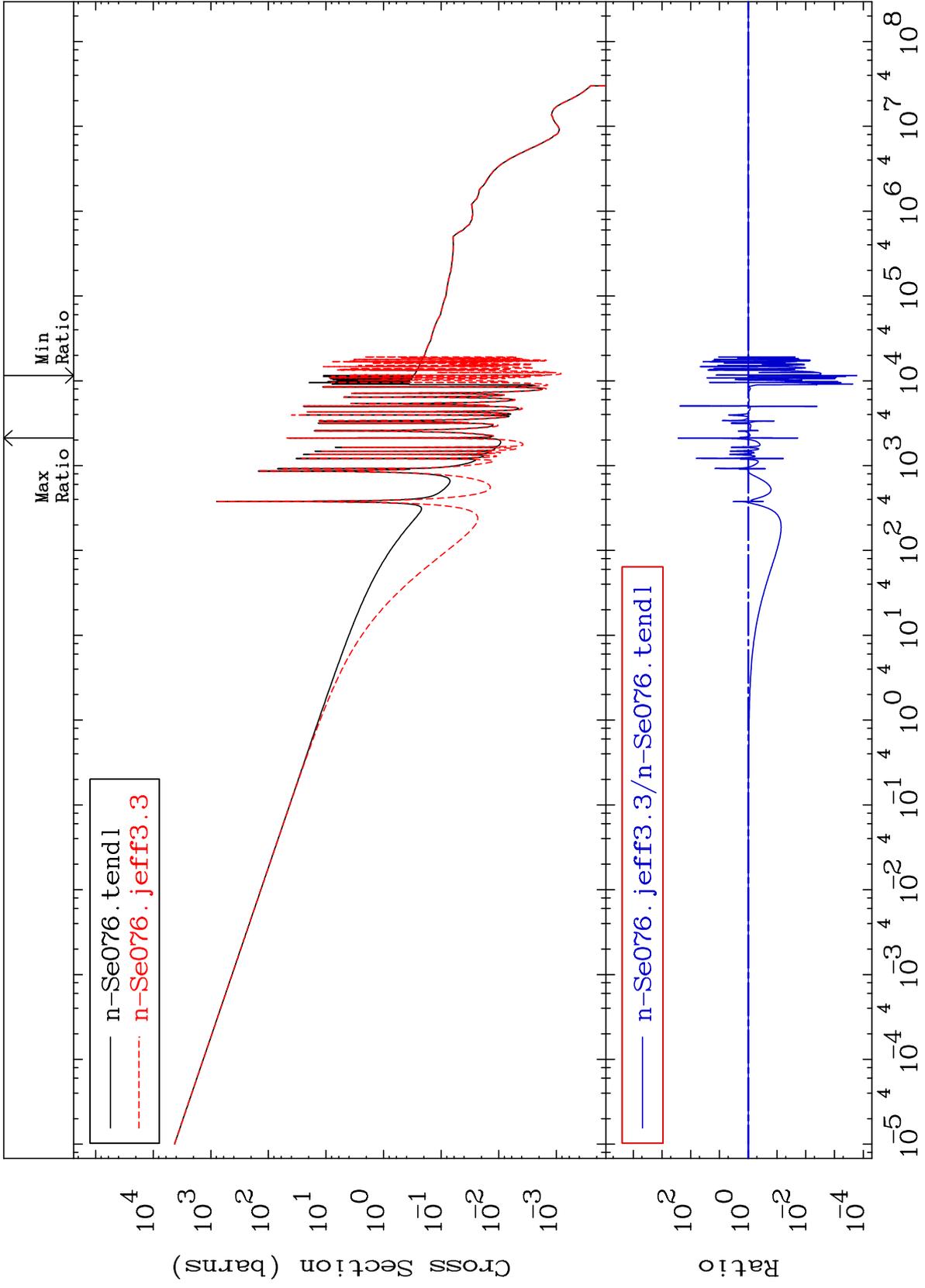
³⁴Se-76
-0.765 To 1.242 %



MAT 3431

(n, γ)
Cross Section

34-Se-76
-99.98 To 9999. %



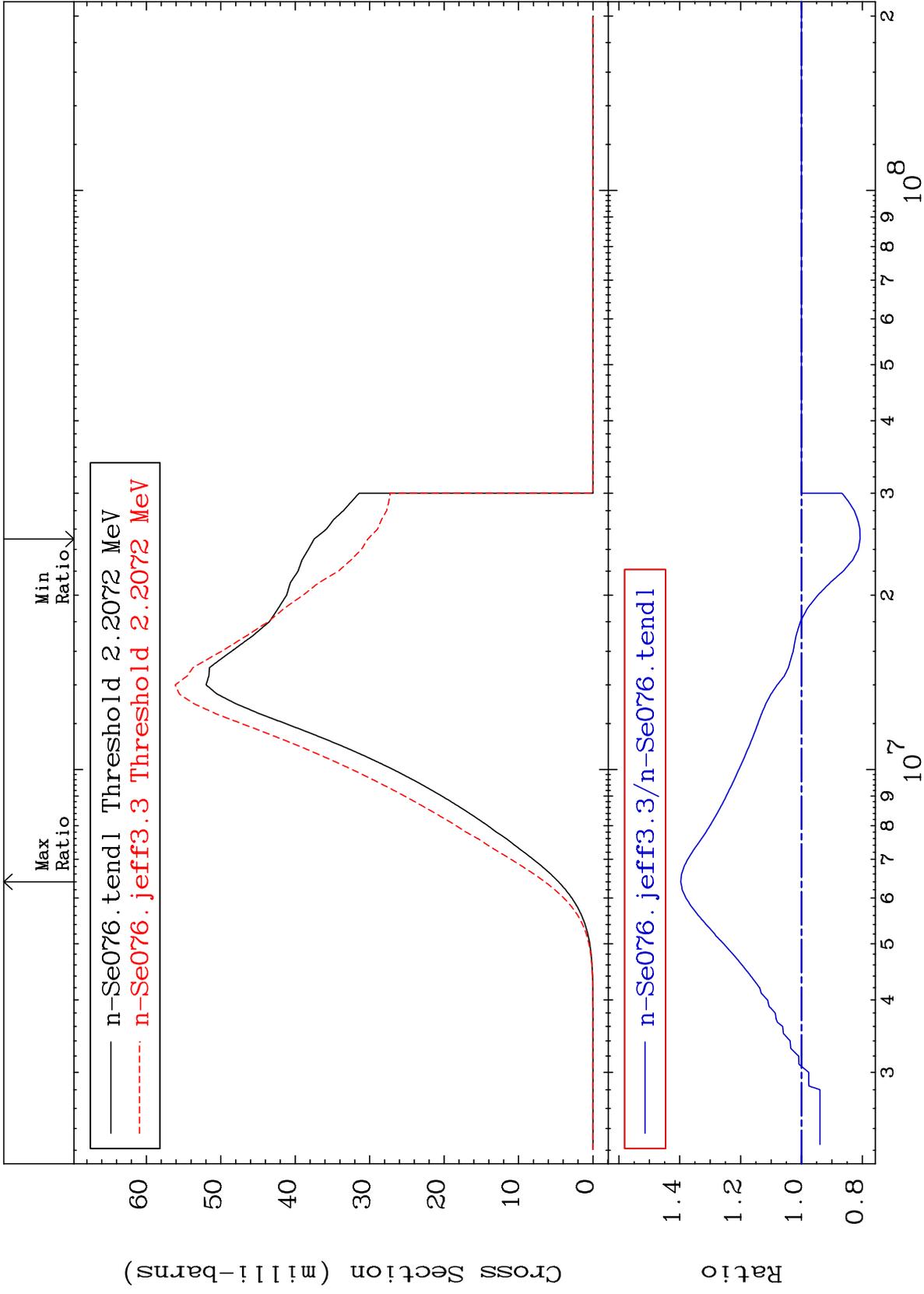
MAT 3431

(n, p)

³⁴Se-76

Cross Section

-19.25 To 39.67 %



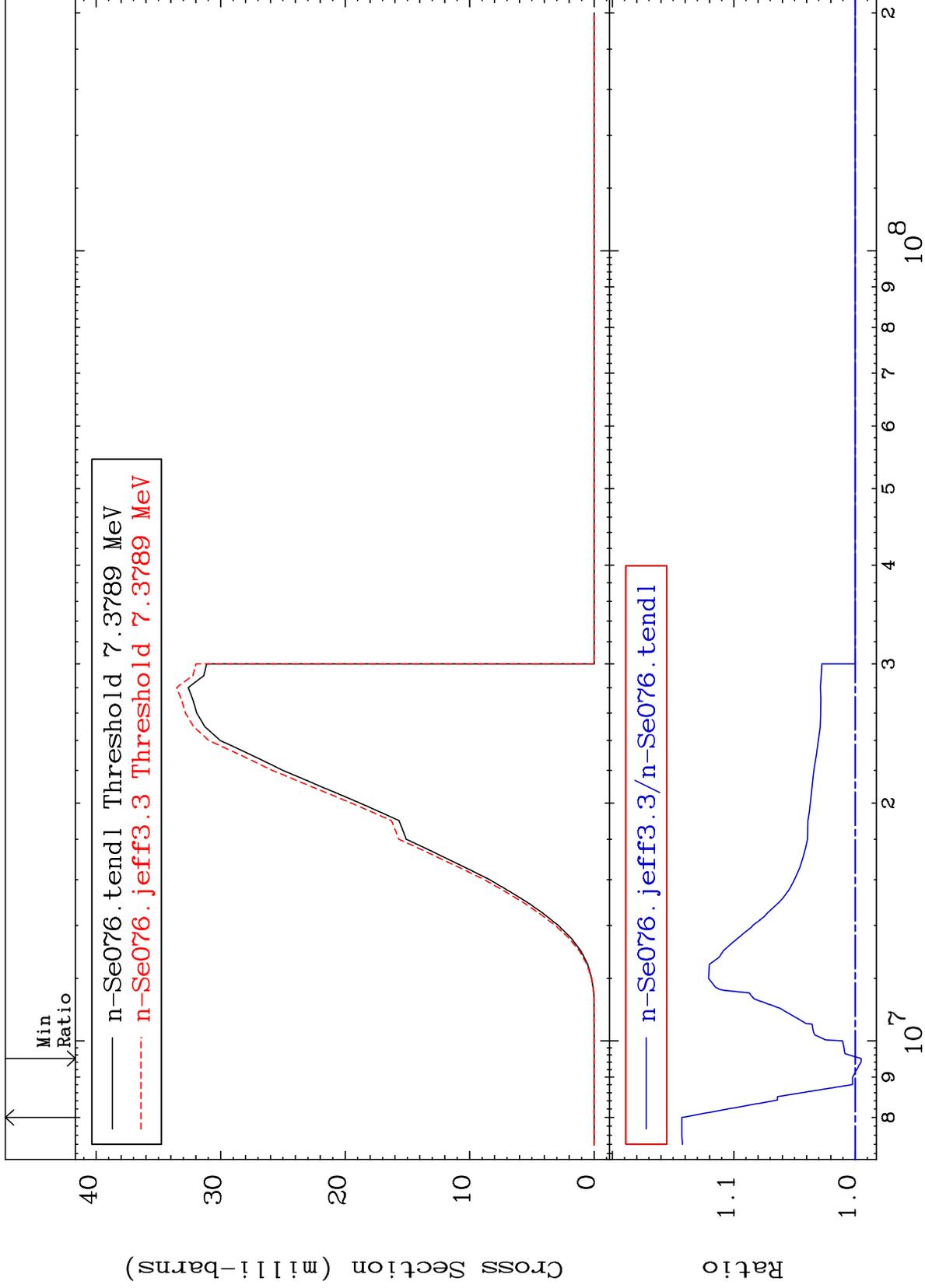
MAT 3431

(n, d)

³⁴Se-76

Cross Section

-0.490 To 14.28 %



52

Incident Energy (eV)

³⁴Se-76

MAT 3431

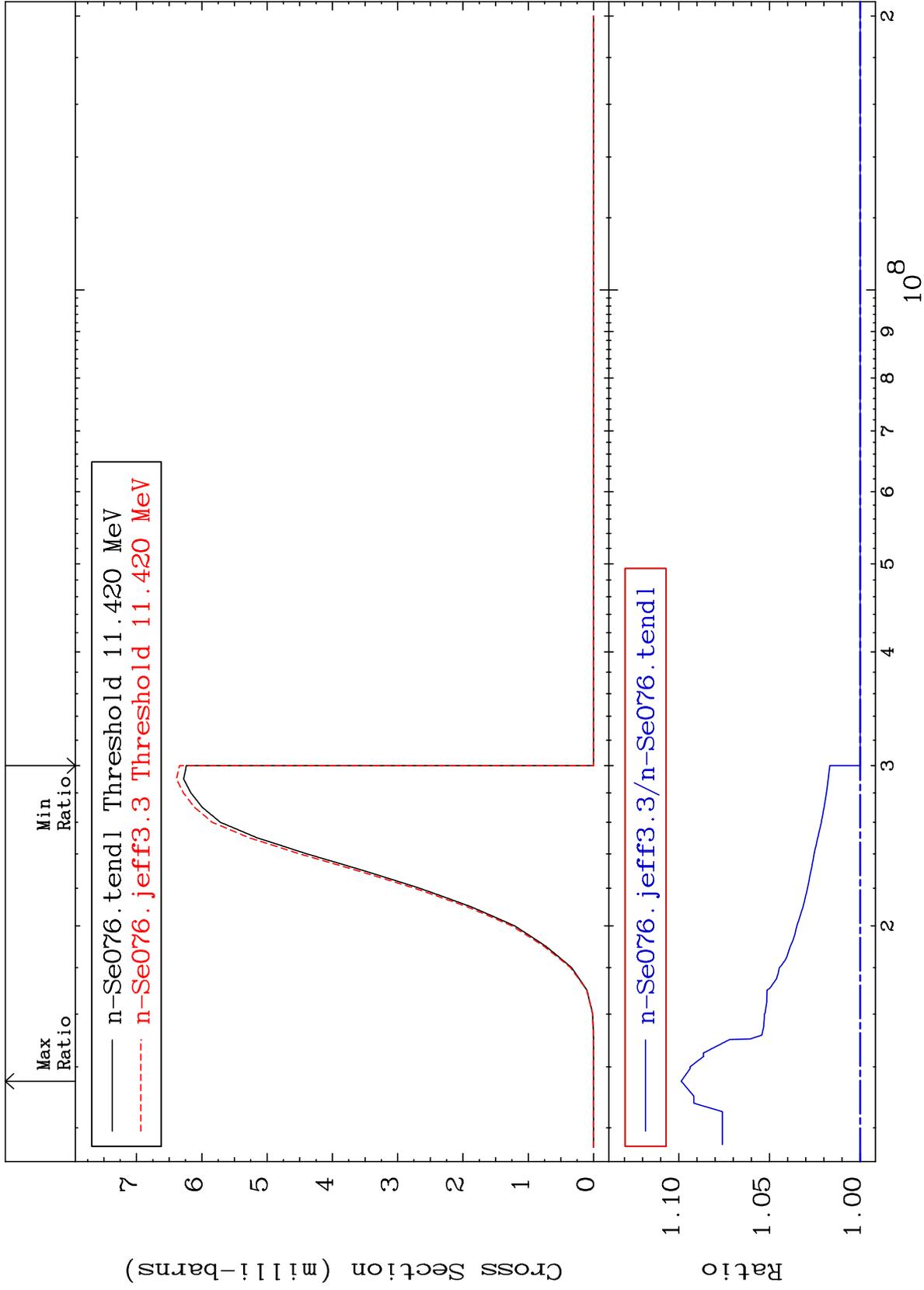
(n, t)

³⁴Se-76

Cross Section

0.000

To 9.874 %



MAT 3431

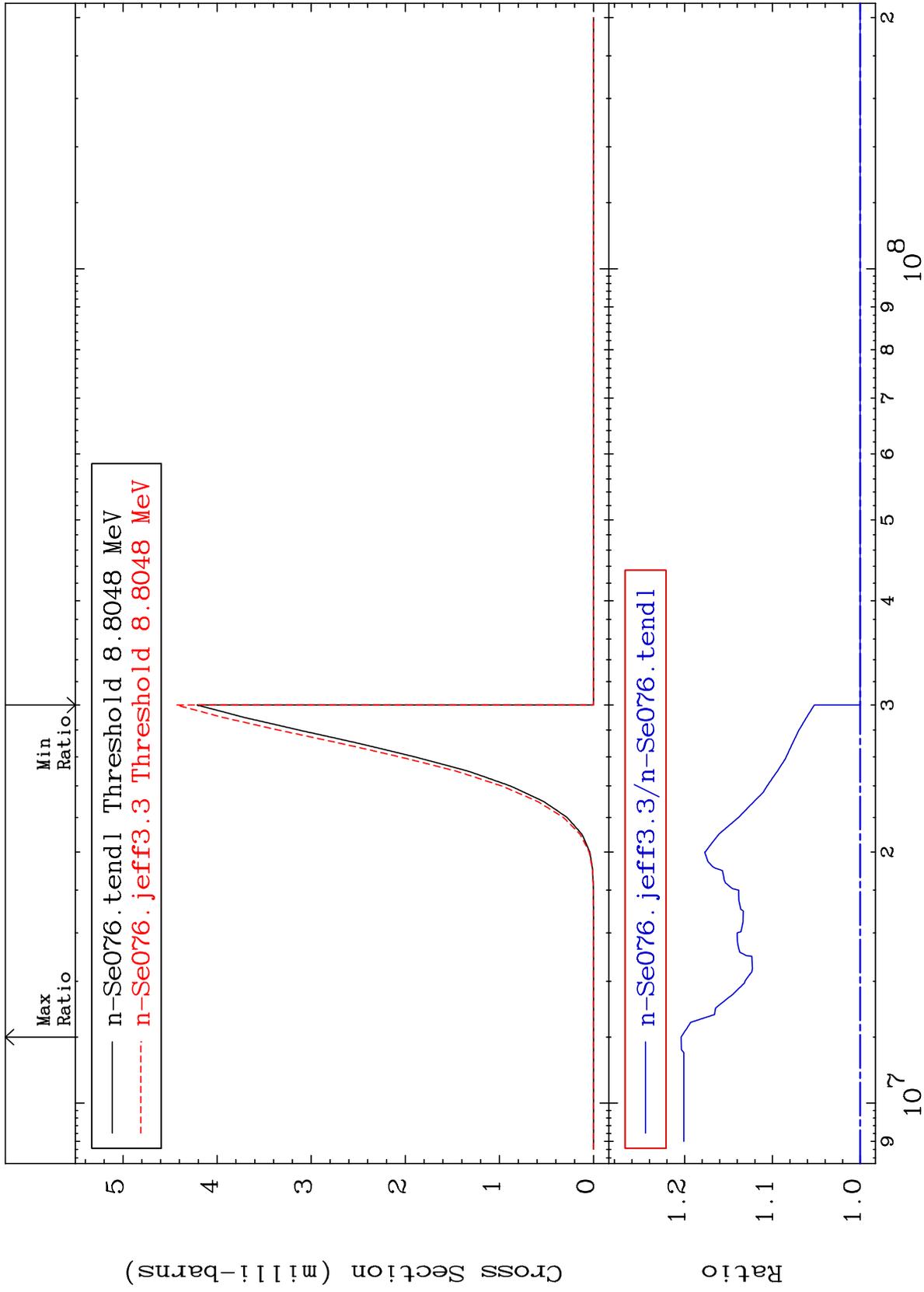
(n, He-3)

³⁴Se-76

Cross Section

0.000

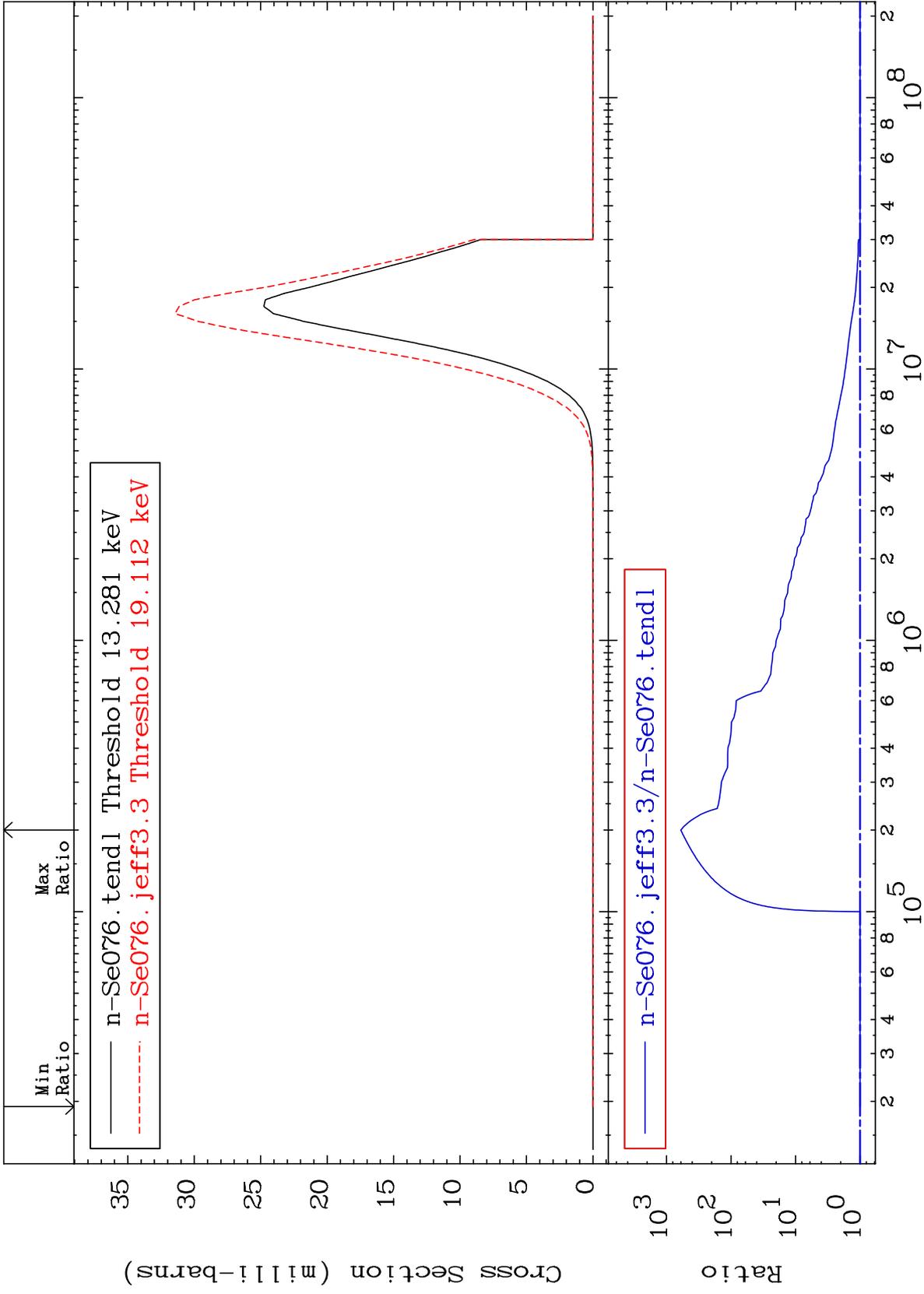
To 20.39 %



54

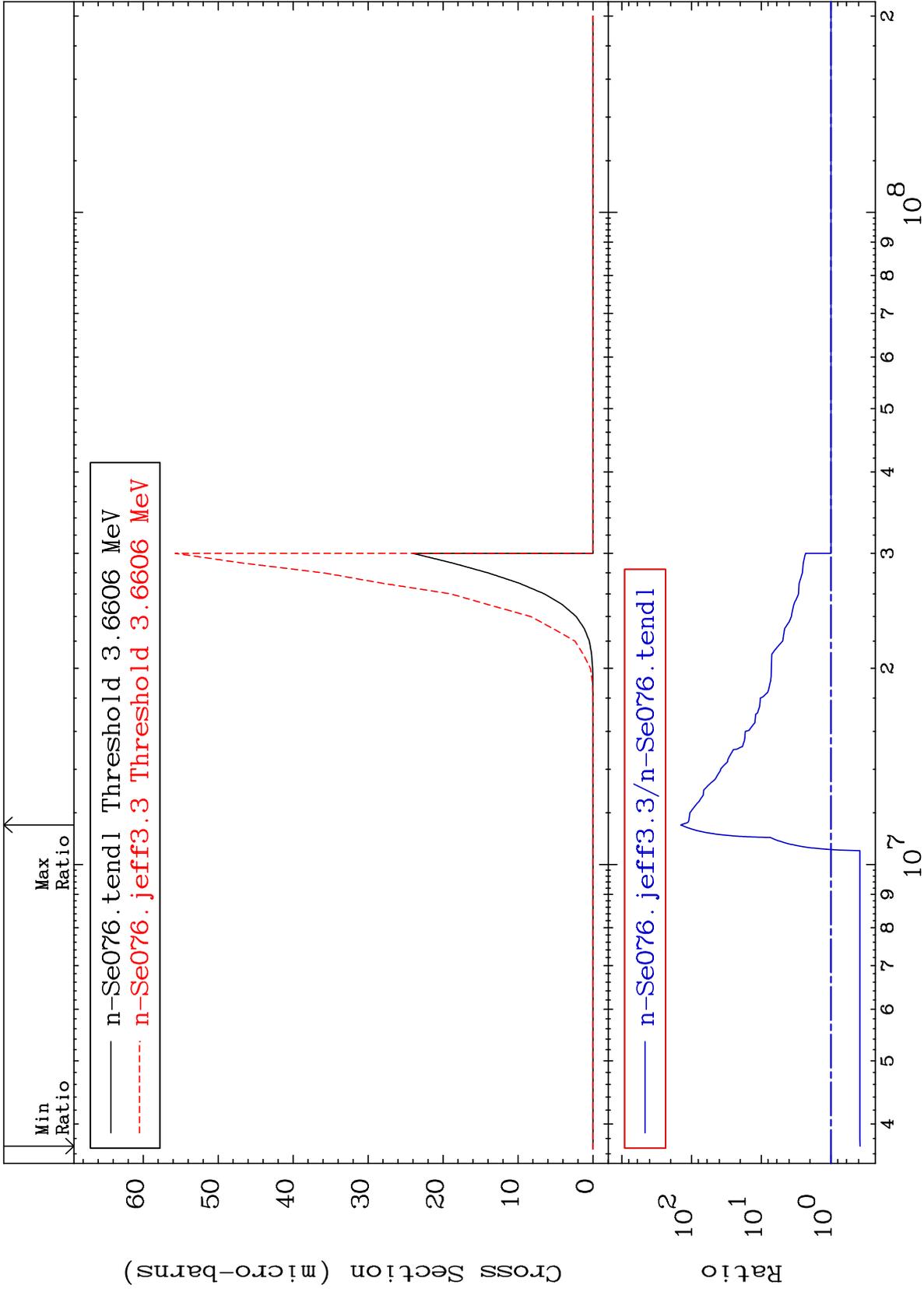
Incident Energy (eV)

³⁴Se-76



Cross Section

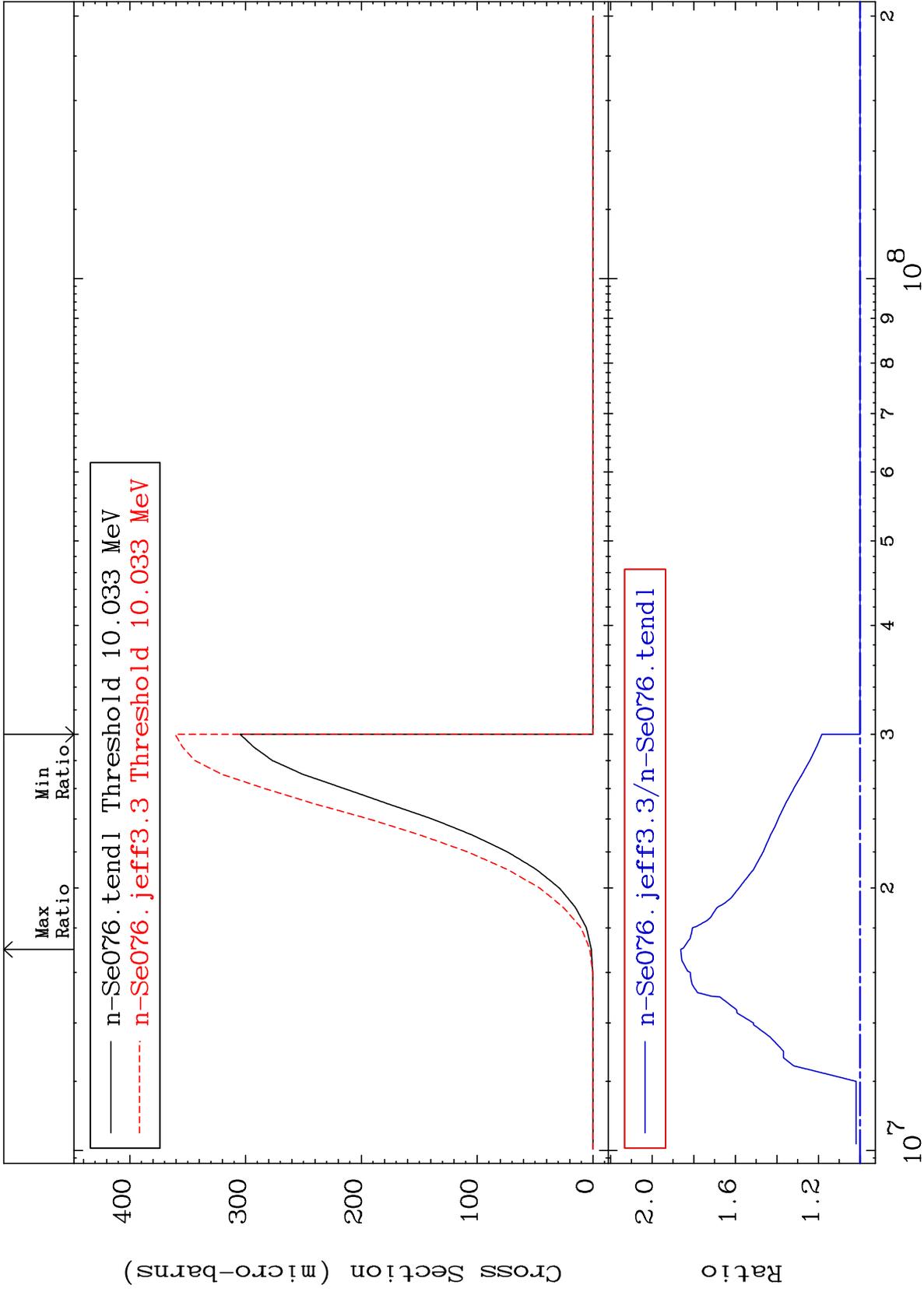
-61.78 To 9999. %



MAT 3431

(n,2p)
Cross Section

³⁴Se-76
To 86.26 %
0.000



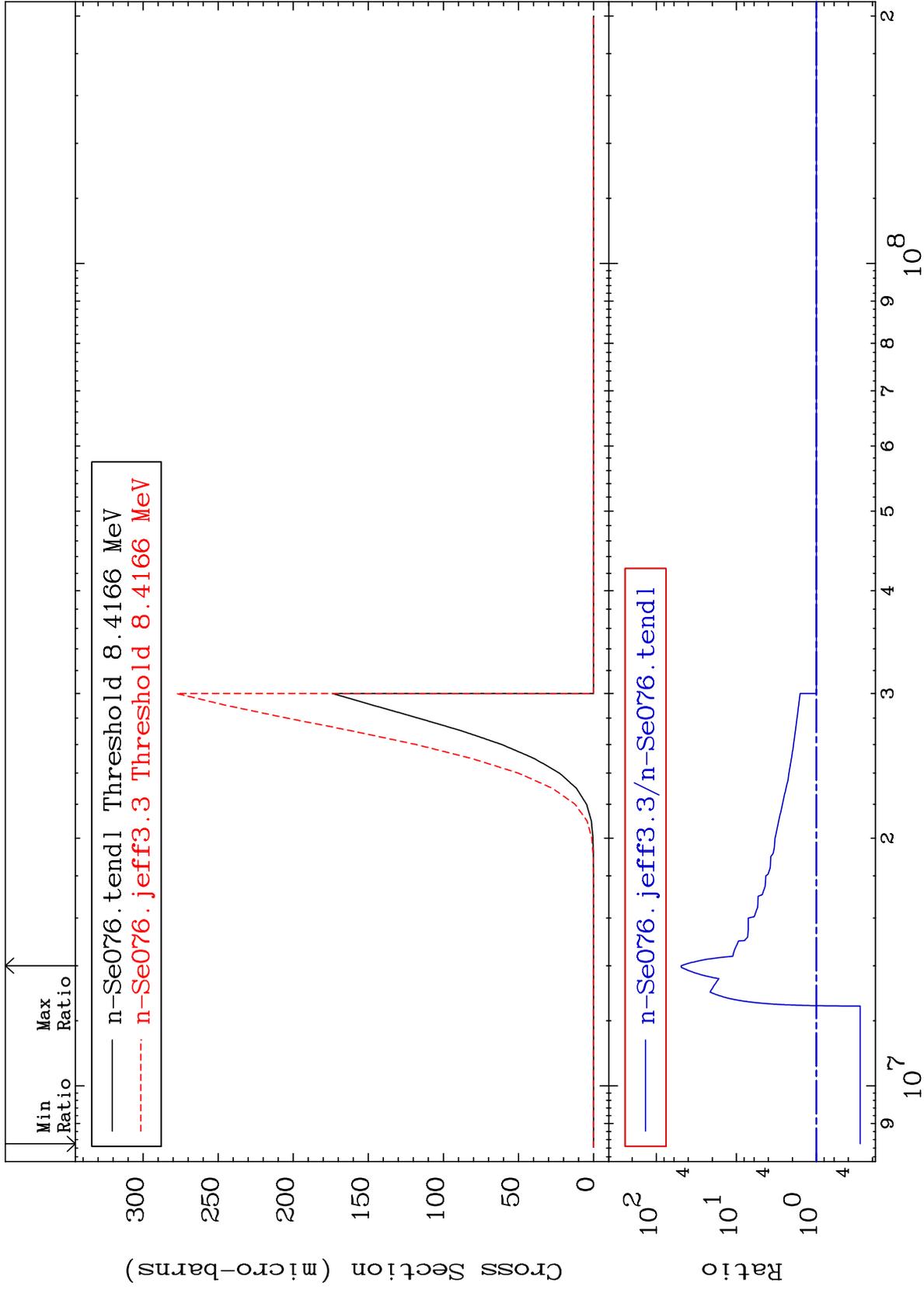
57

Incident Energy (eV)

³⁴Se-76

Cross Section

-71.56 To 4796. %



MAT 3431

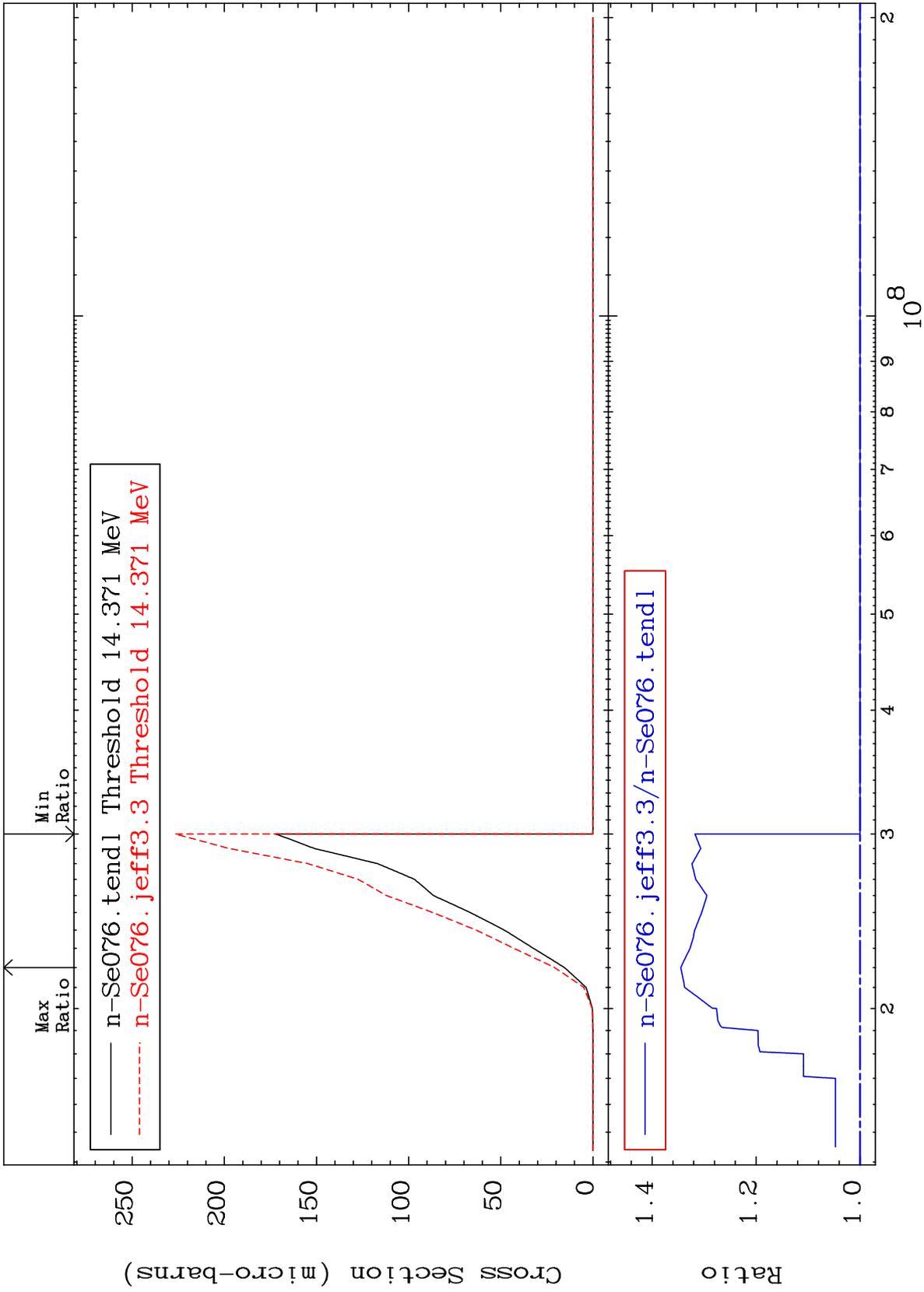
(n,p) d

³⁴Se-76

Cross Section

0.000

To 34.49 %



MAT 3431

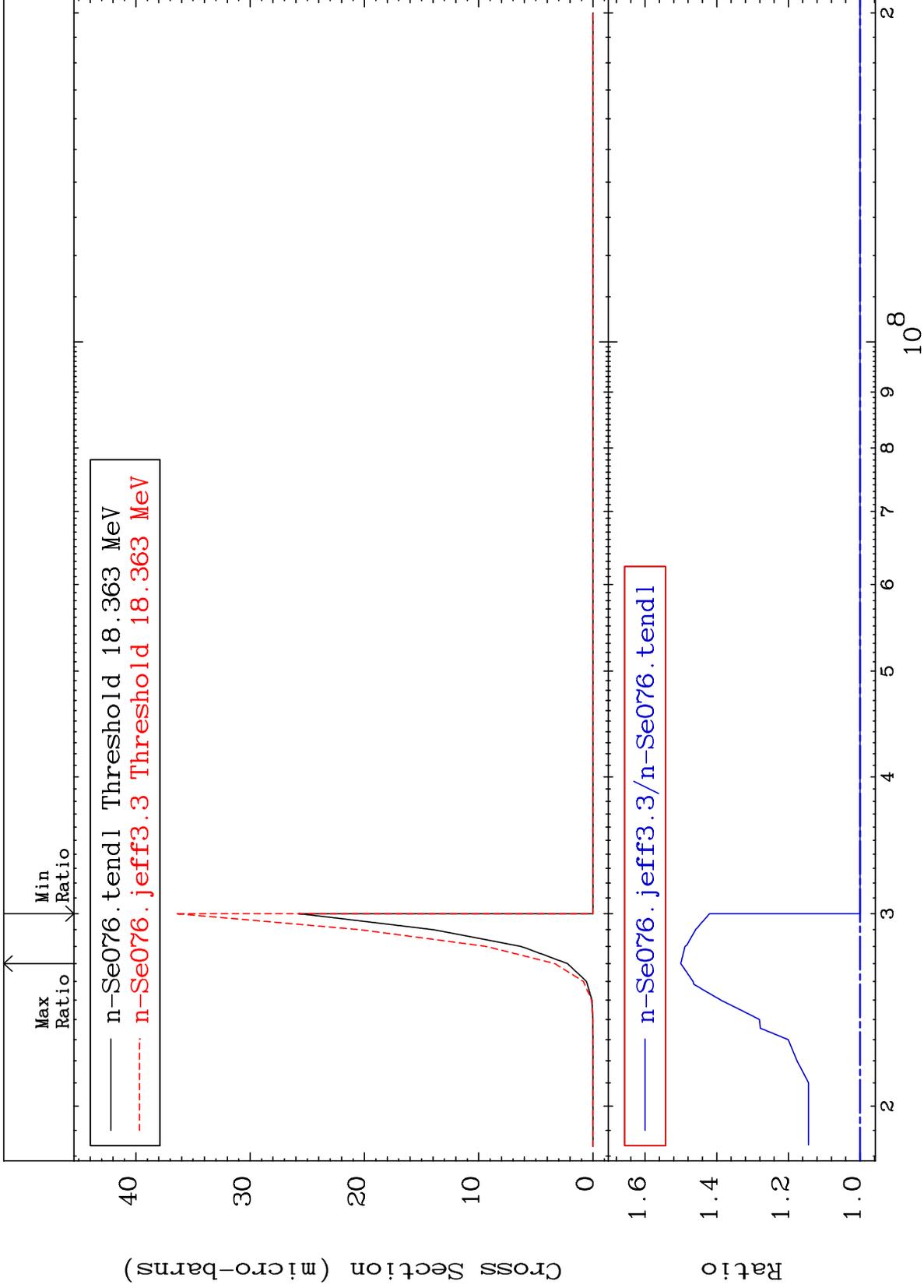
(n,p) t

³⁴Se-76

Cross Section

0.000

To 50.04 %



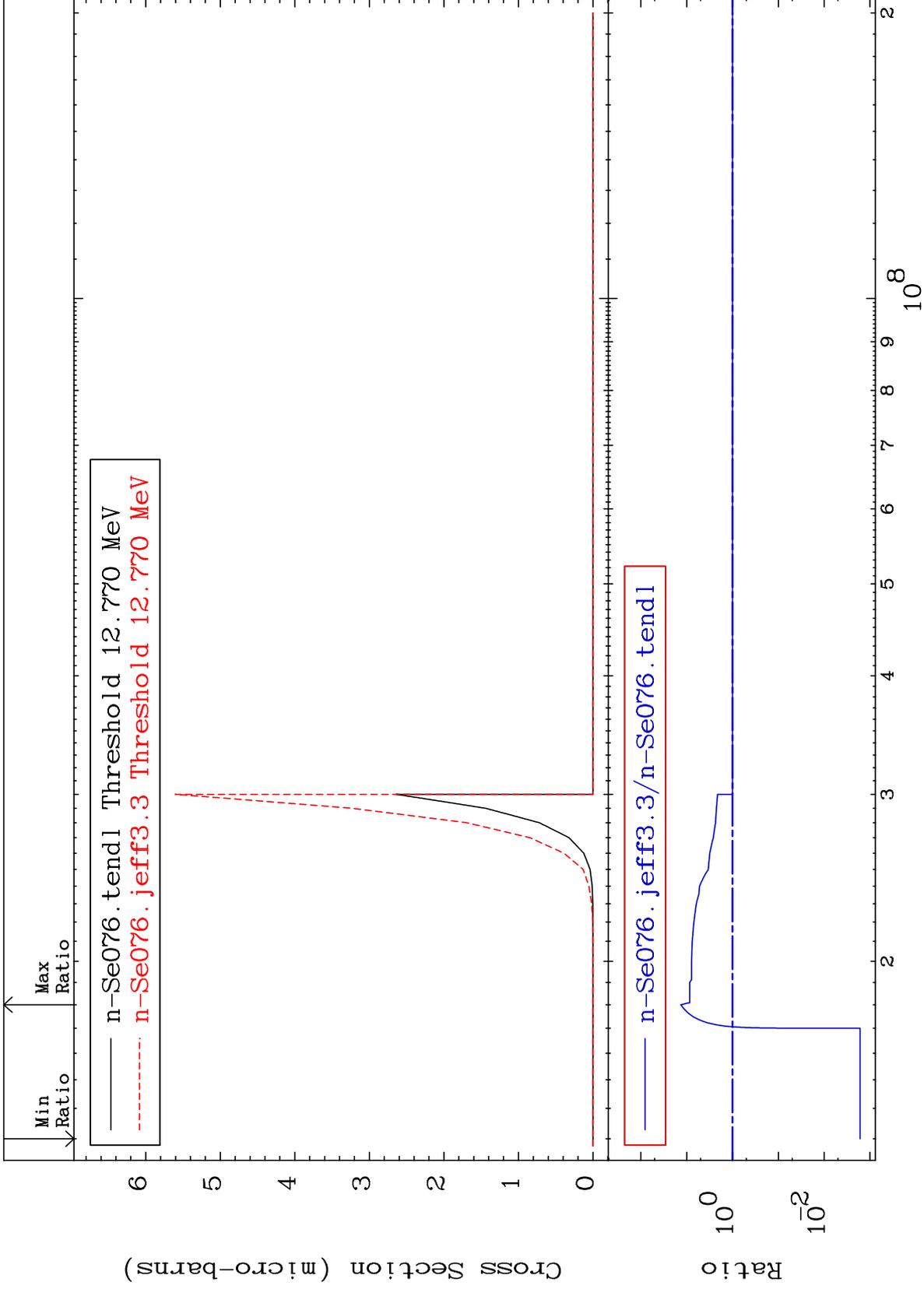
MAT 3431

(n, d) α

³⁴Se-76

Cross Section

-99.84 To 1249. %



61

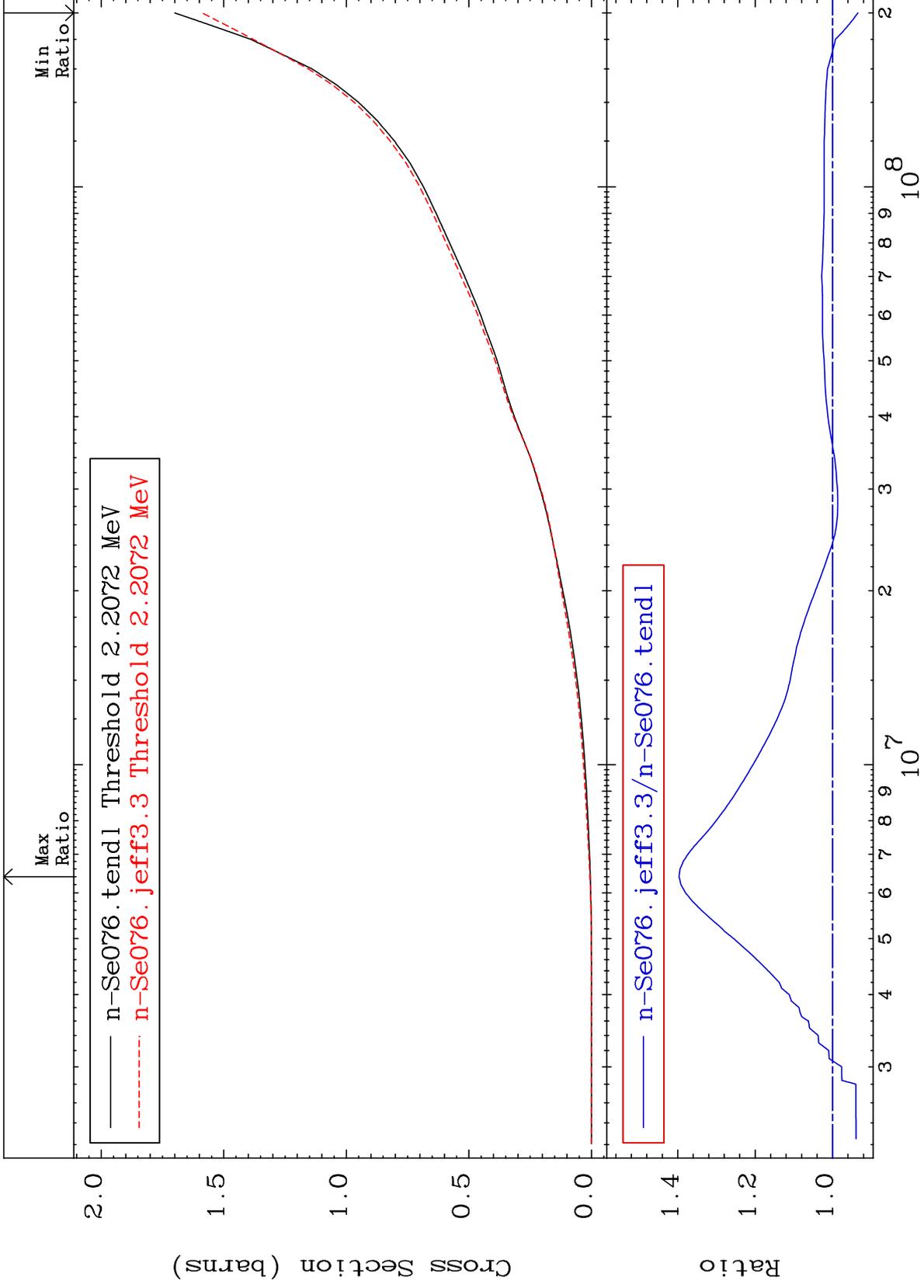
Incident Energy (eV)

³⁴Se-76

MAT 3431

Hydrogen Production
Cross Section

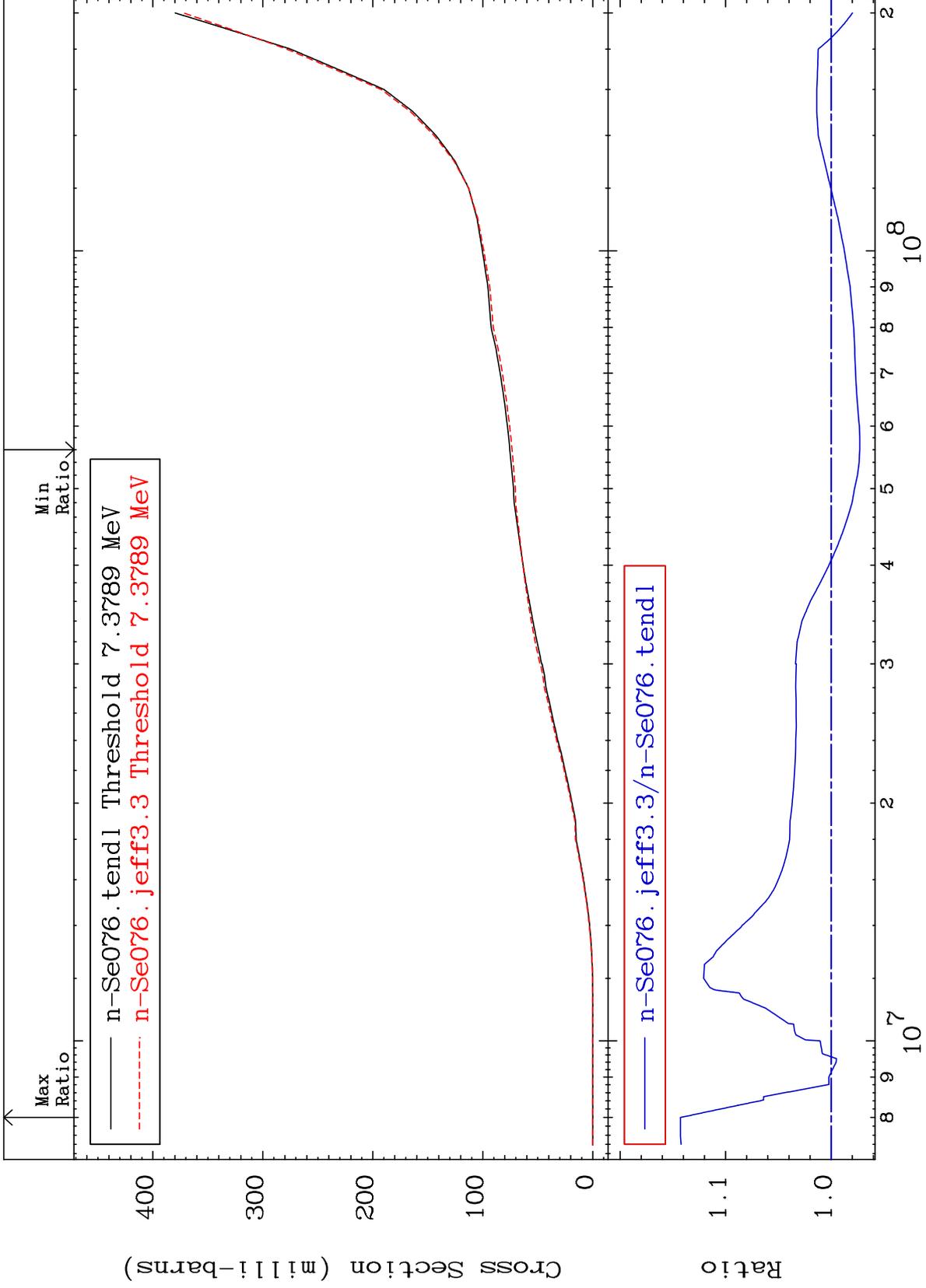
$^{34}\text{Se-76}$
-6.561 To 39.67 %



MAT 3431

Deuterium Production
Cross Section

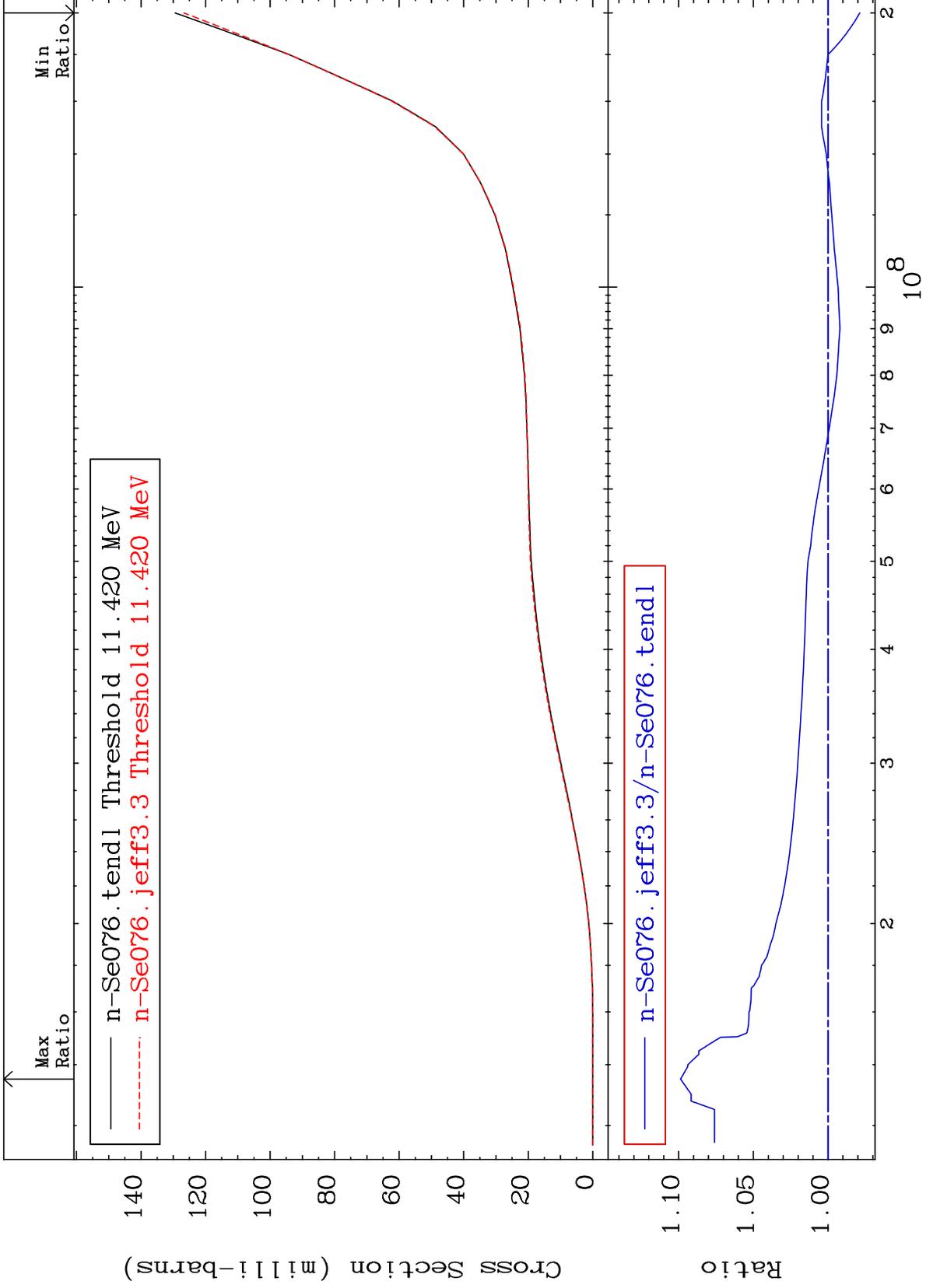
³⁴Se-76
-2.715 To 14.28 %



MAT 3431

Tritium Production
Cross Section

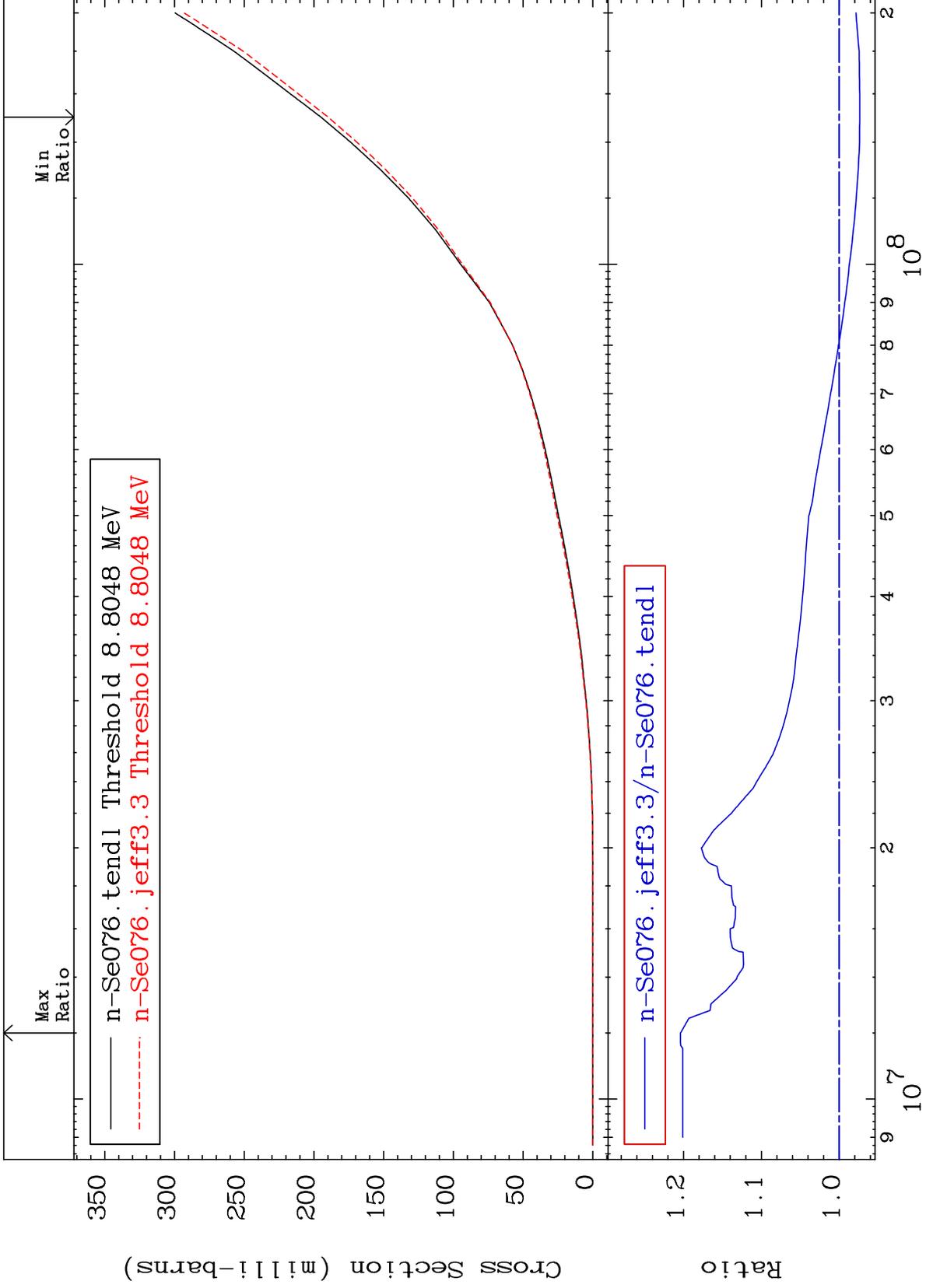
34-^{Se}-76
-2.125 To 9.874 %



MAT 3431

He-3 Production
Cross Section

$^{34}\text{Se-76}$
-2.642 To 20.39 %



65

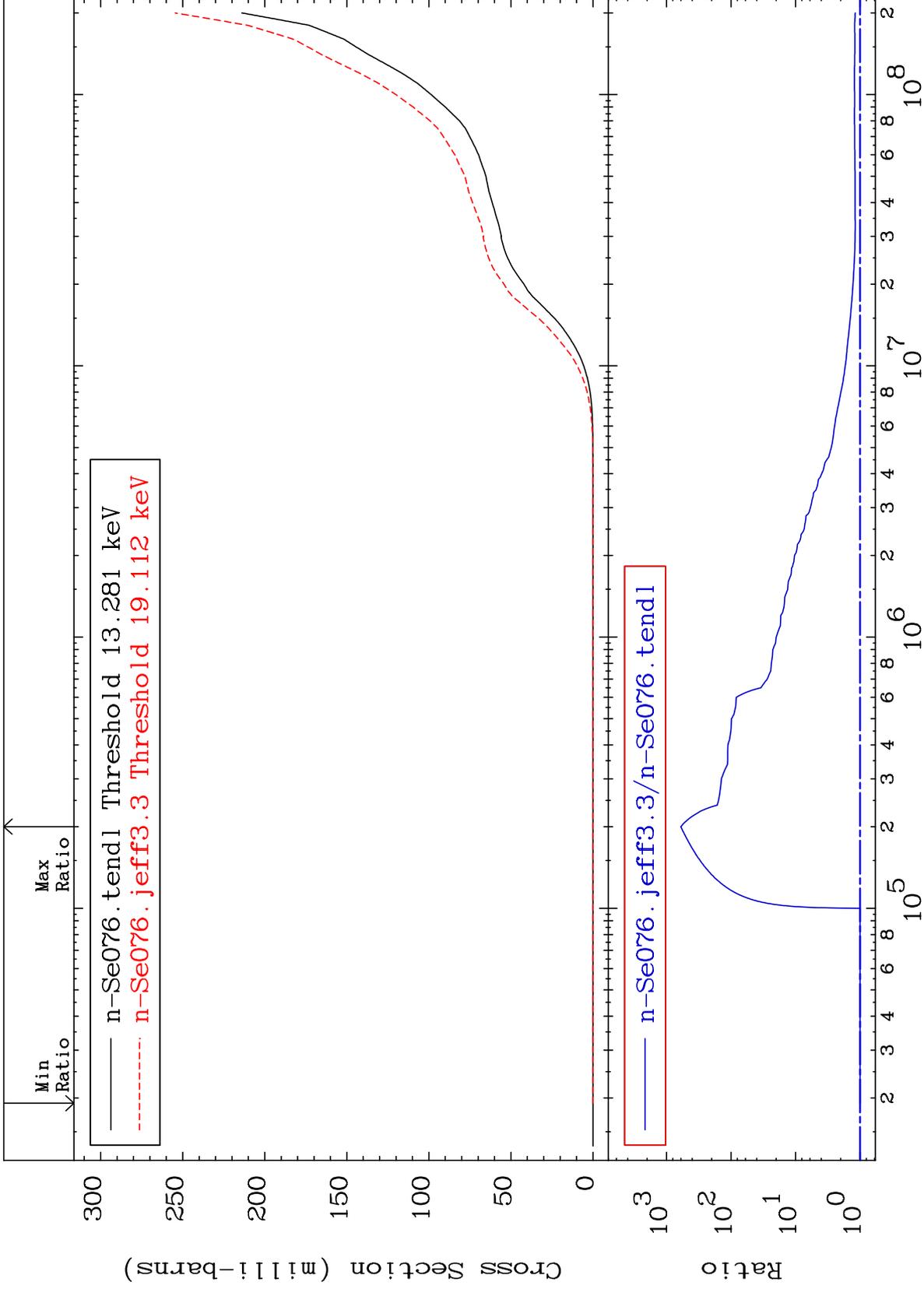
Incident Energy (eV)

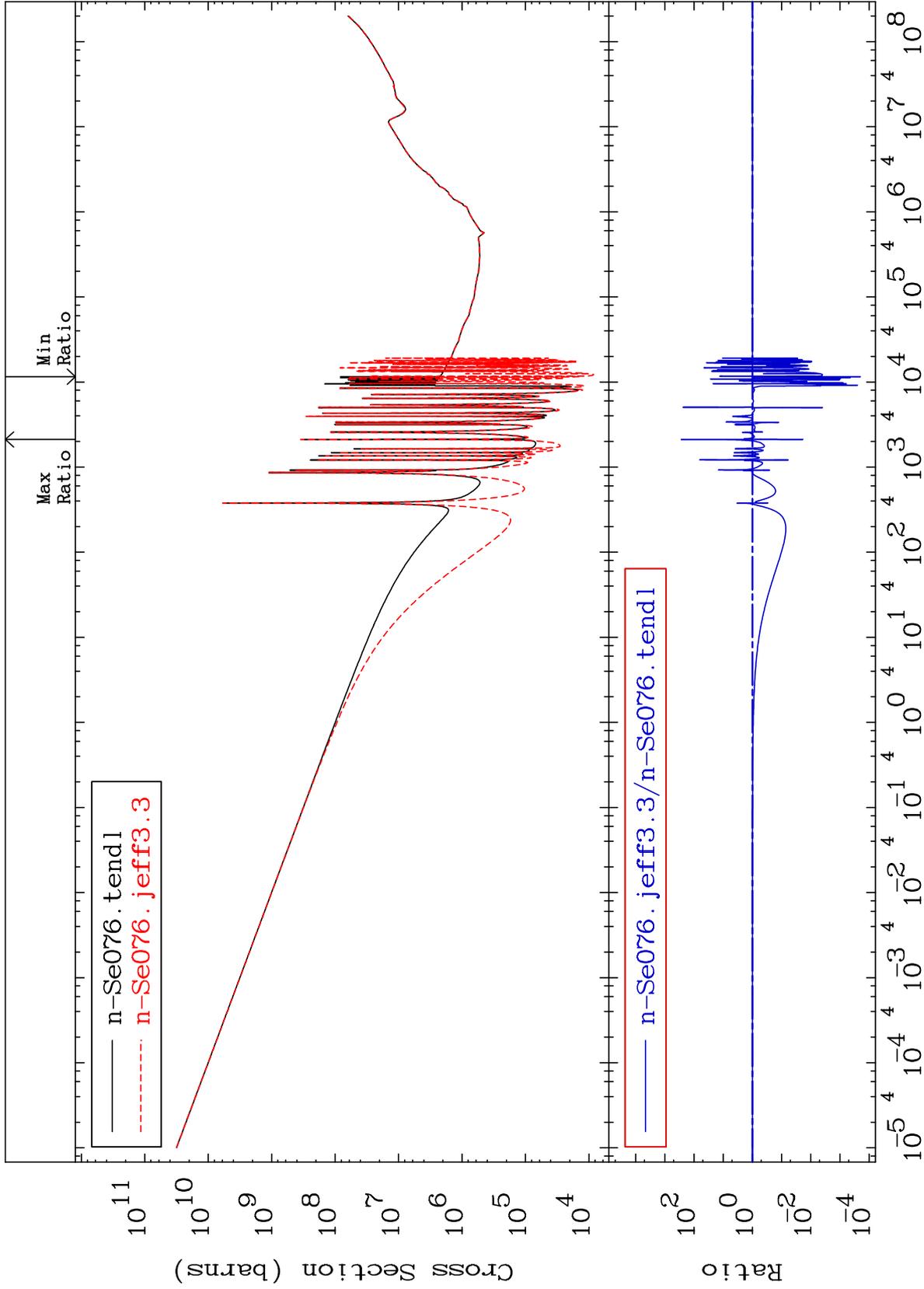
$^{34}\text{Se-76}$

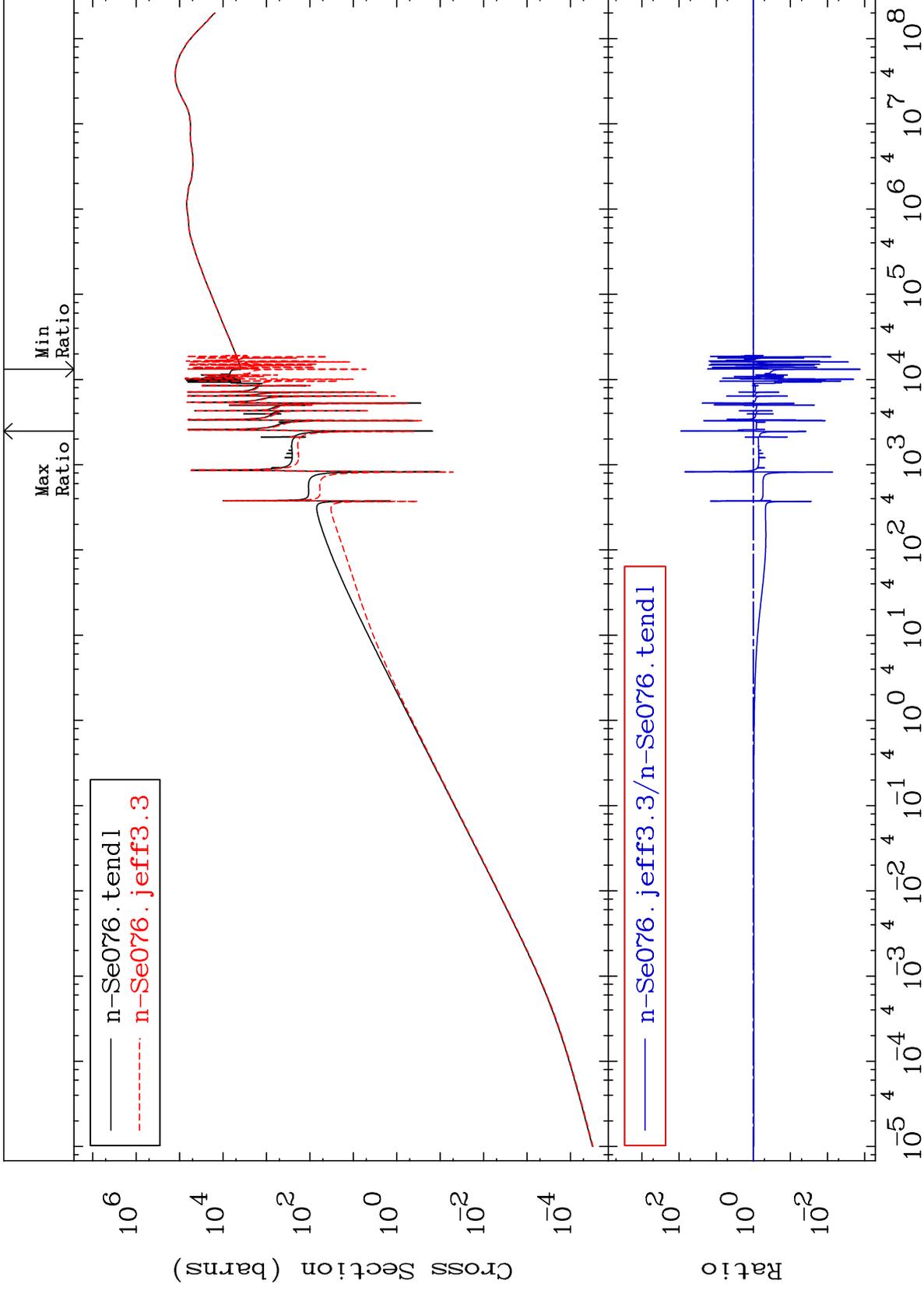
MAT 3431

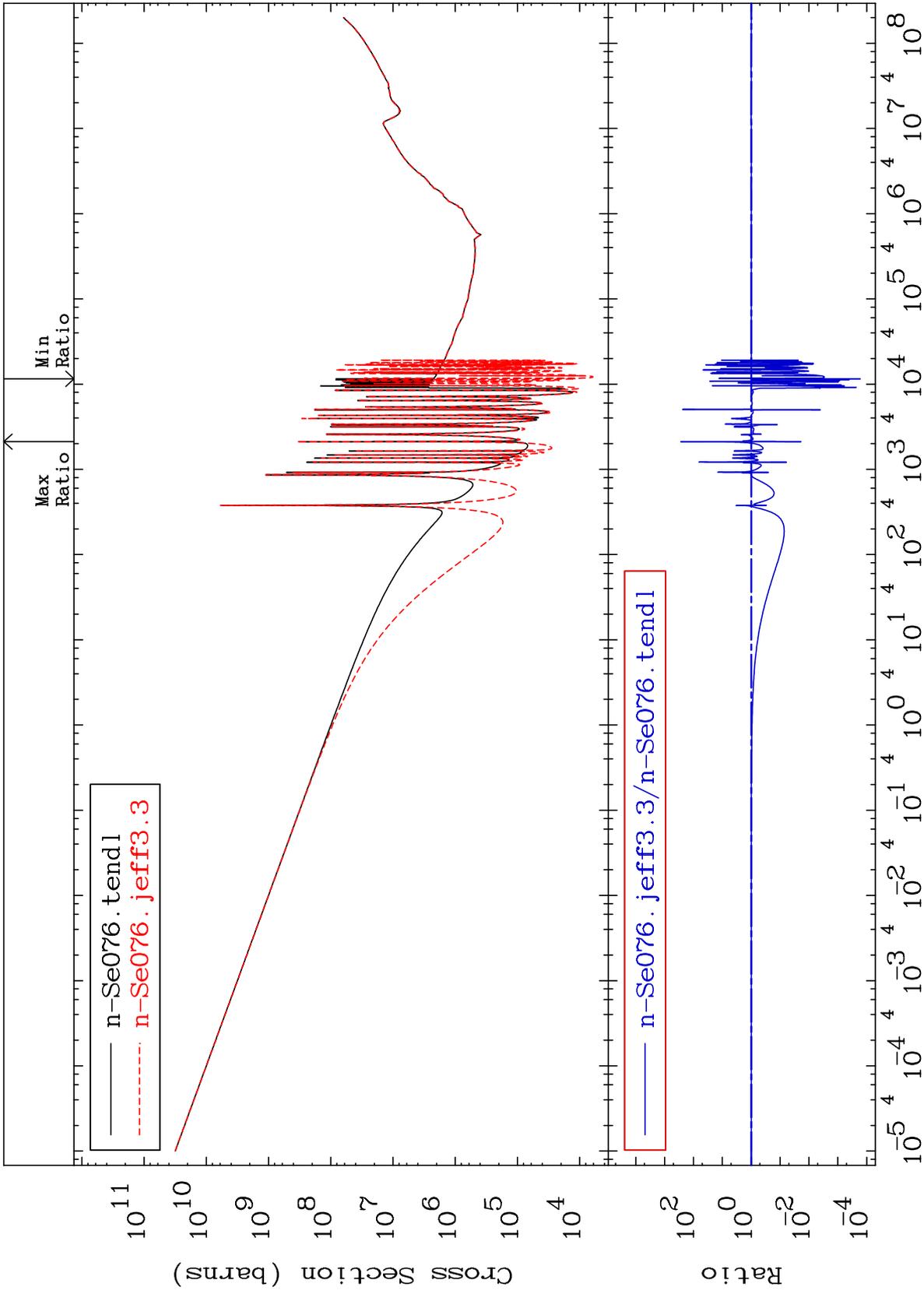
He-4 Production
Cross Section

³⁴Se-76
To 9999. %





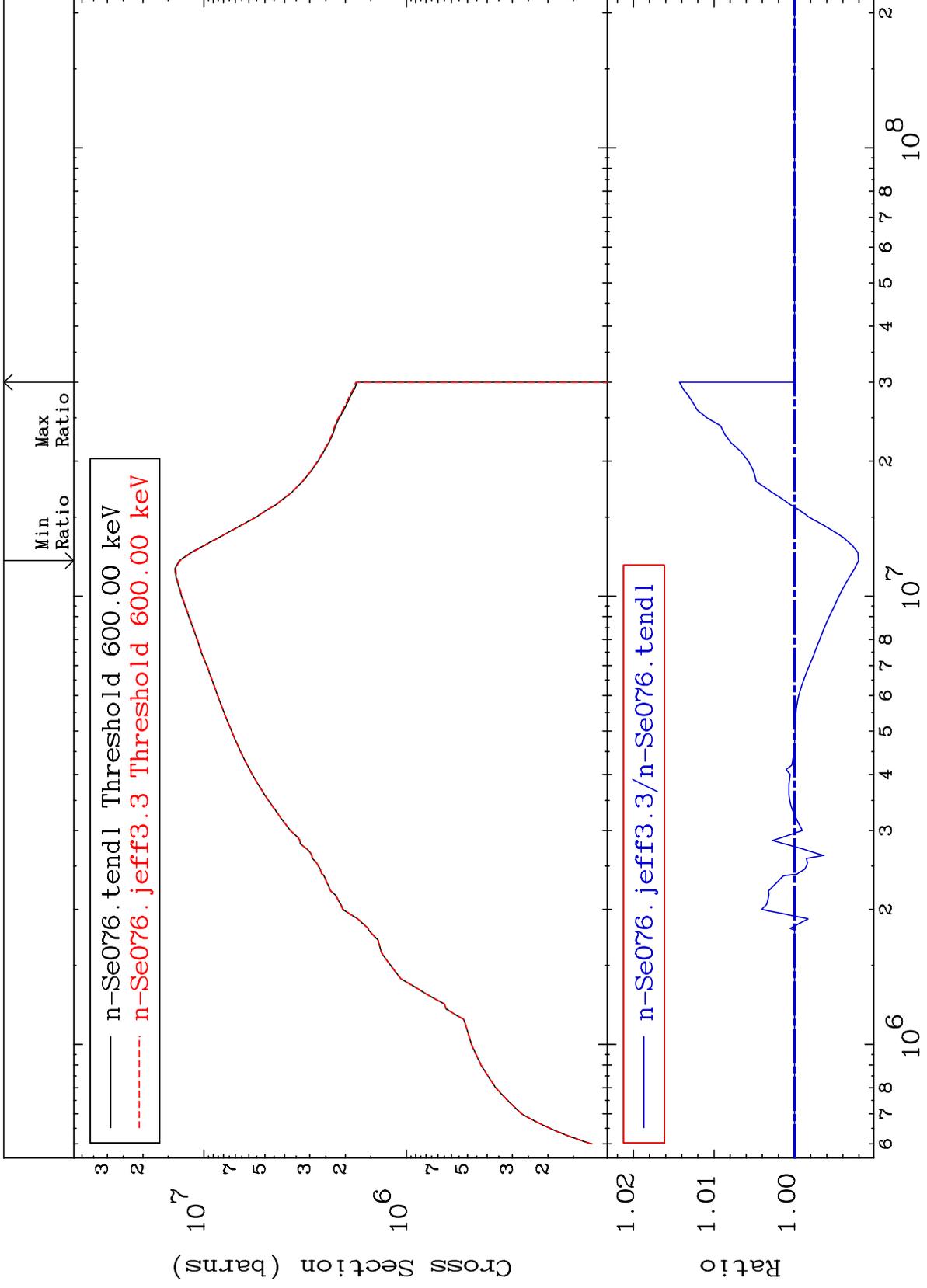




MAT 3431

Kerma inelastic (mt51-91)
Cross Section

³⁴Se-76
-0.794 To 1.428 %



70

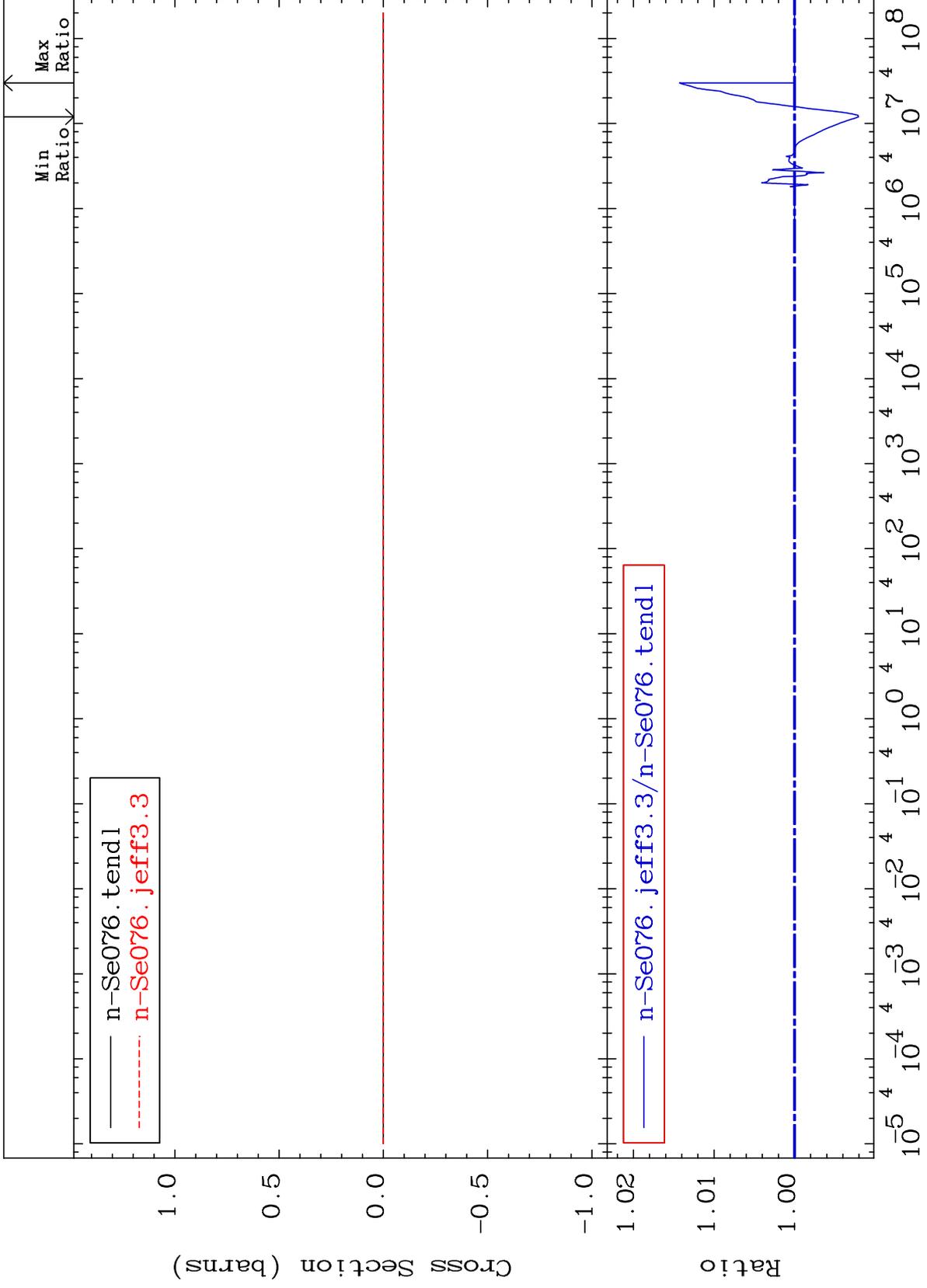
Incident Energy (eV)

³⁴Se-76

MAT 3431

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

34-Se-76
-0.794 To 1.428 %



71

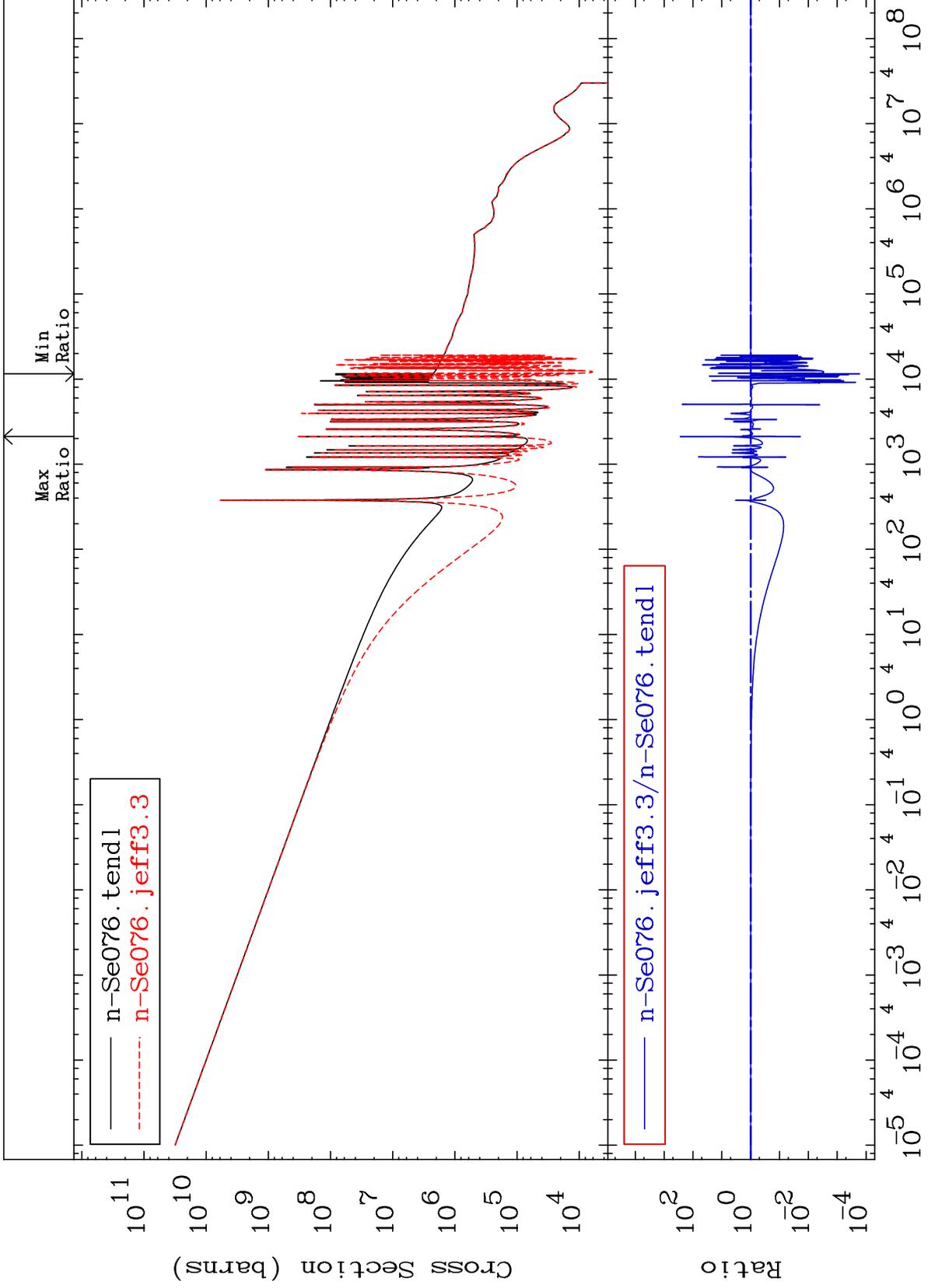
Incident Energy (eV)

34-Se-76

MAT 3431

Kerma capture (mt102)
Cross Section

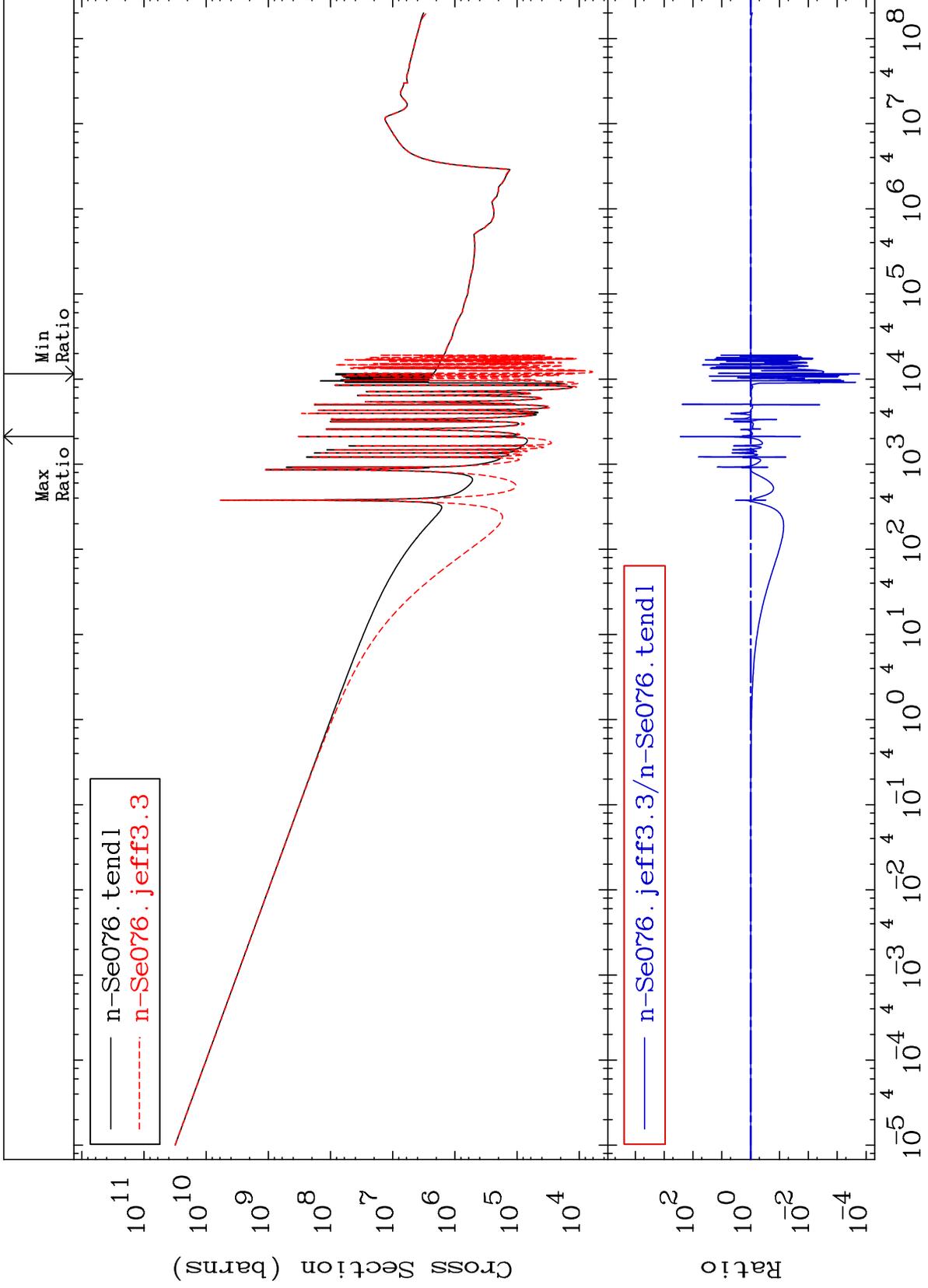
³⁴Se-76
-99.98 To 9999. %



72

Incident Energy (eV)

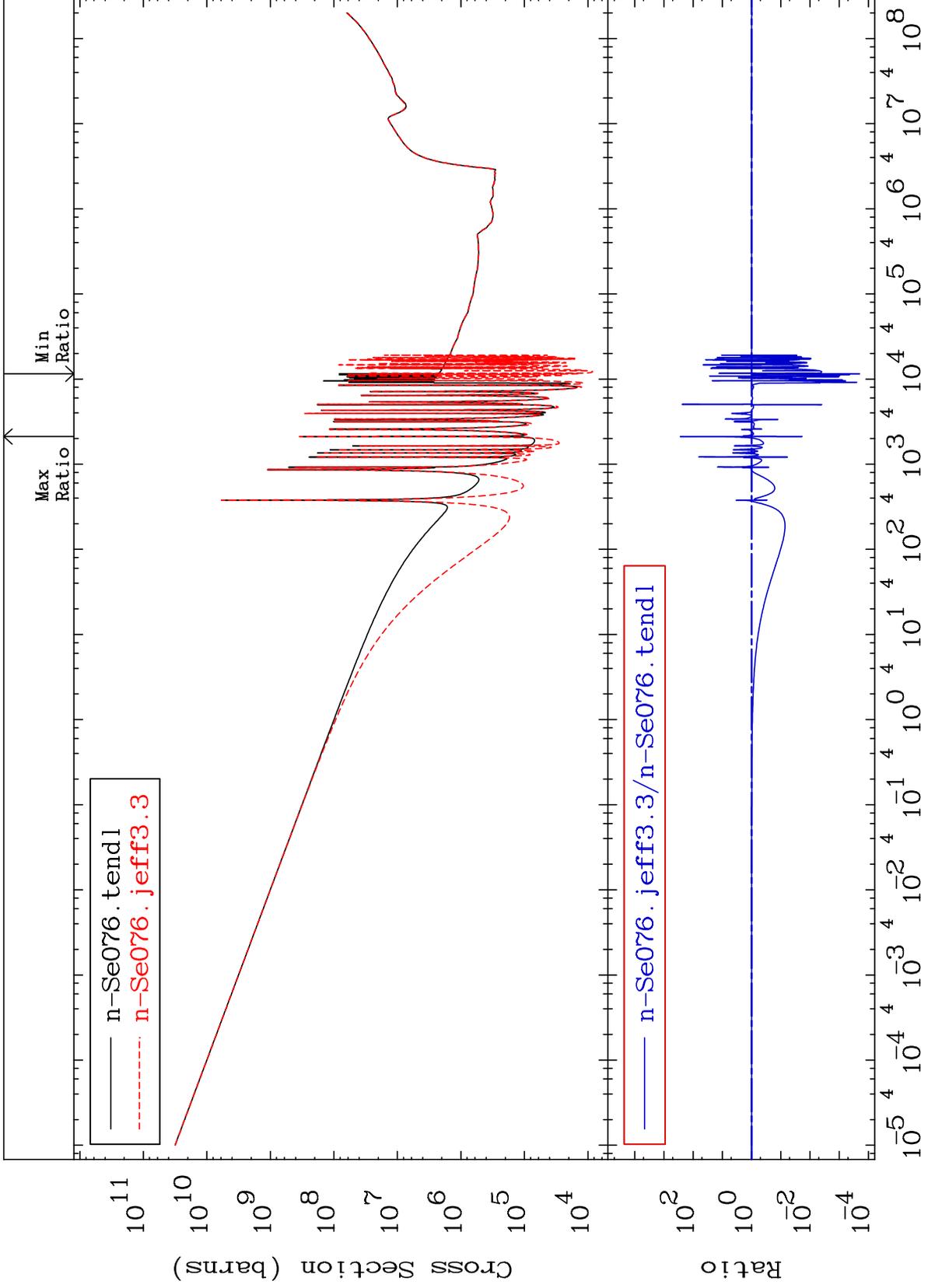
³⁴Se-76



MAT 3431

Total kinematic kerma (high limit)
Cross Section

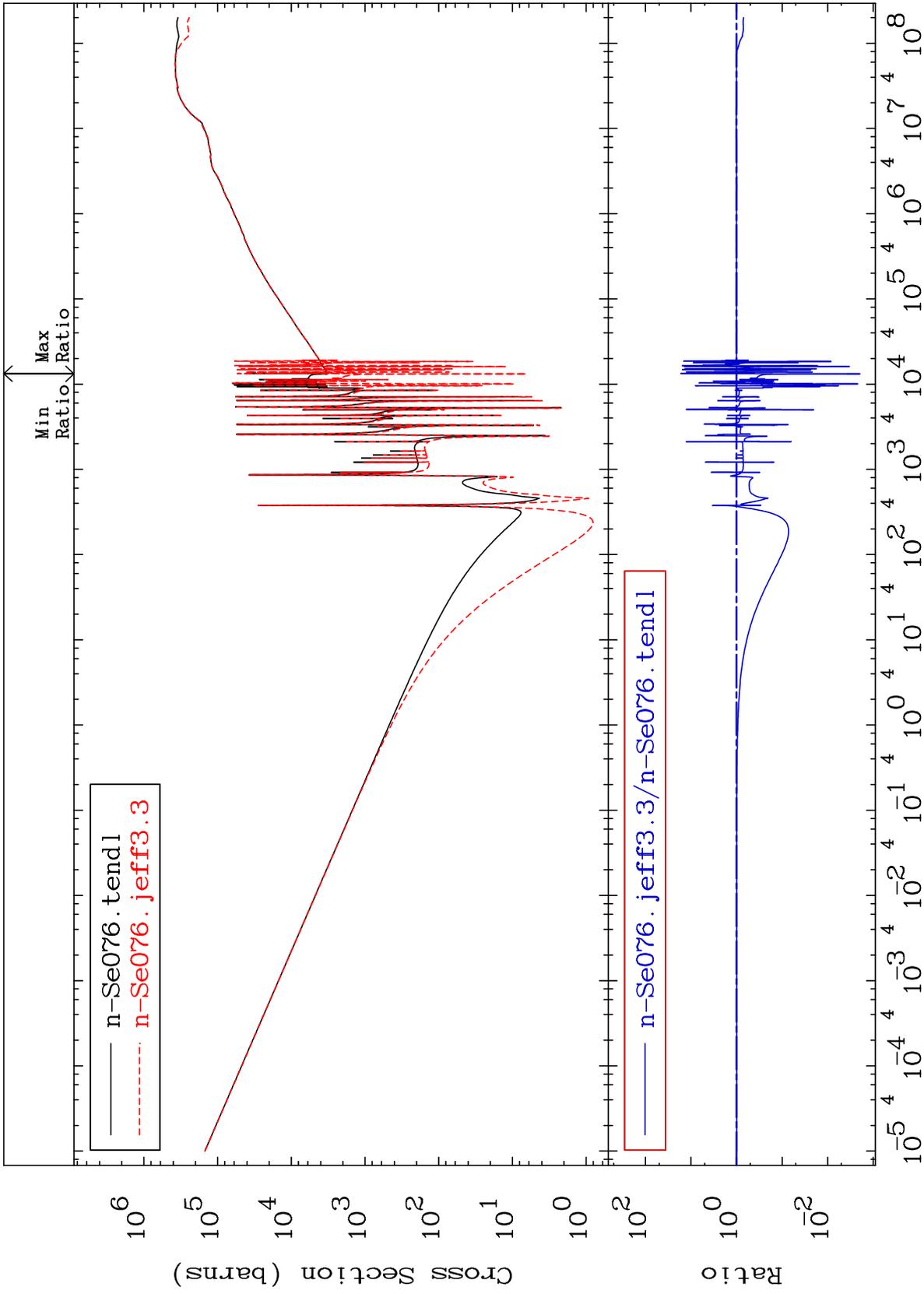
34-Se-76
-99.98 To 9999. %



74

Incident Energy (eV)

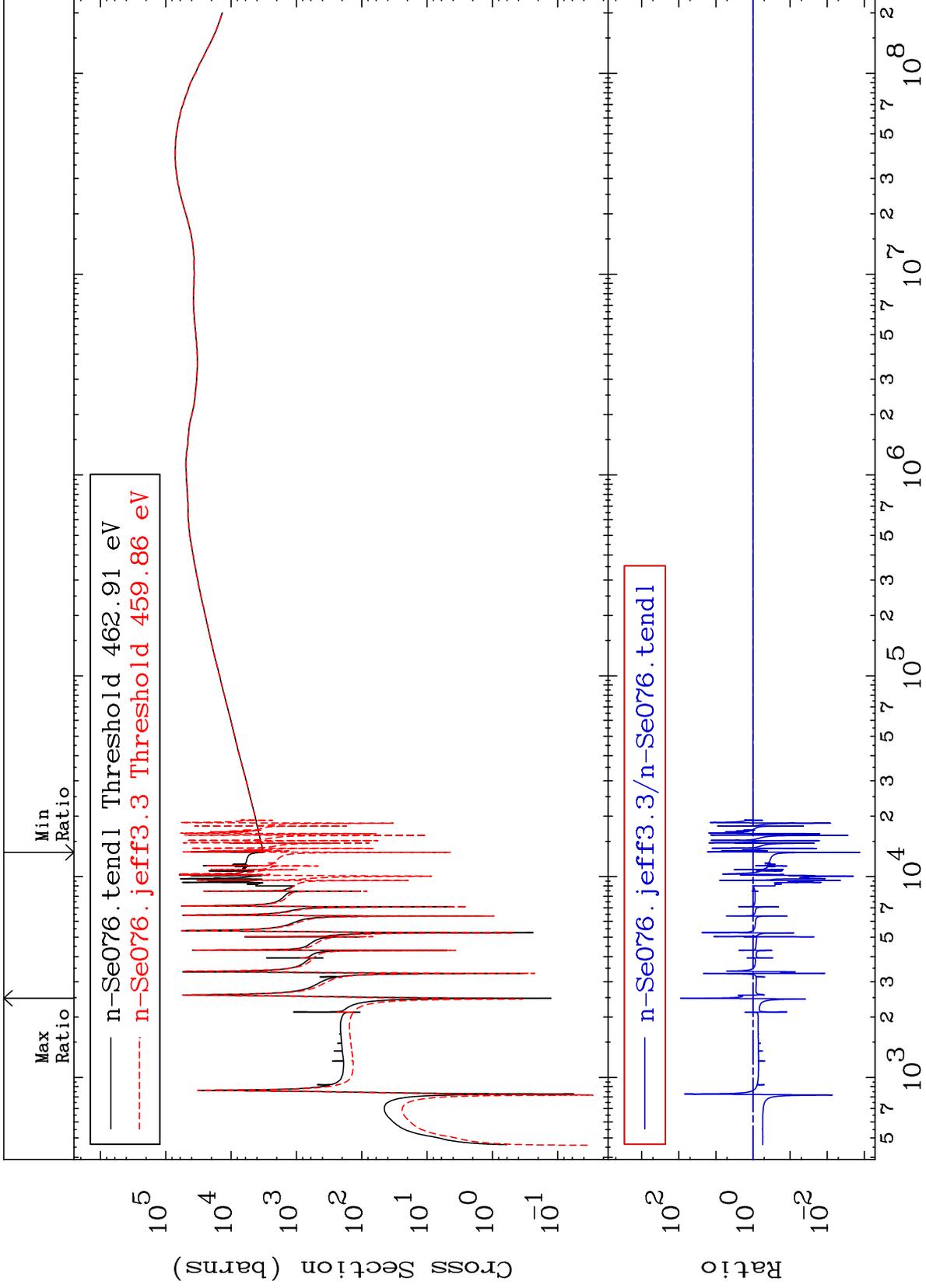
34-Se-76



MAT 3431

Dpa elastic (mt2)
Cross Section

³⁴Se-76
-99.87 To 8901. %



76

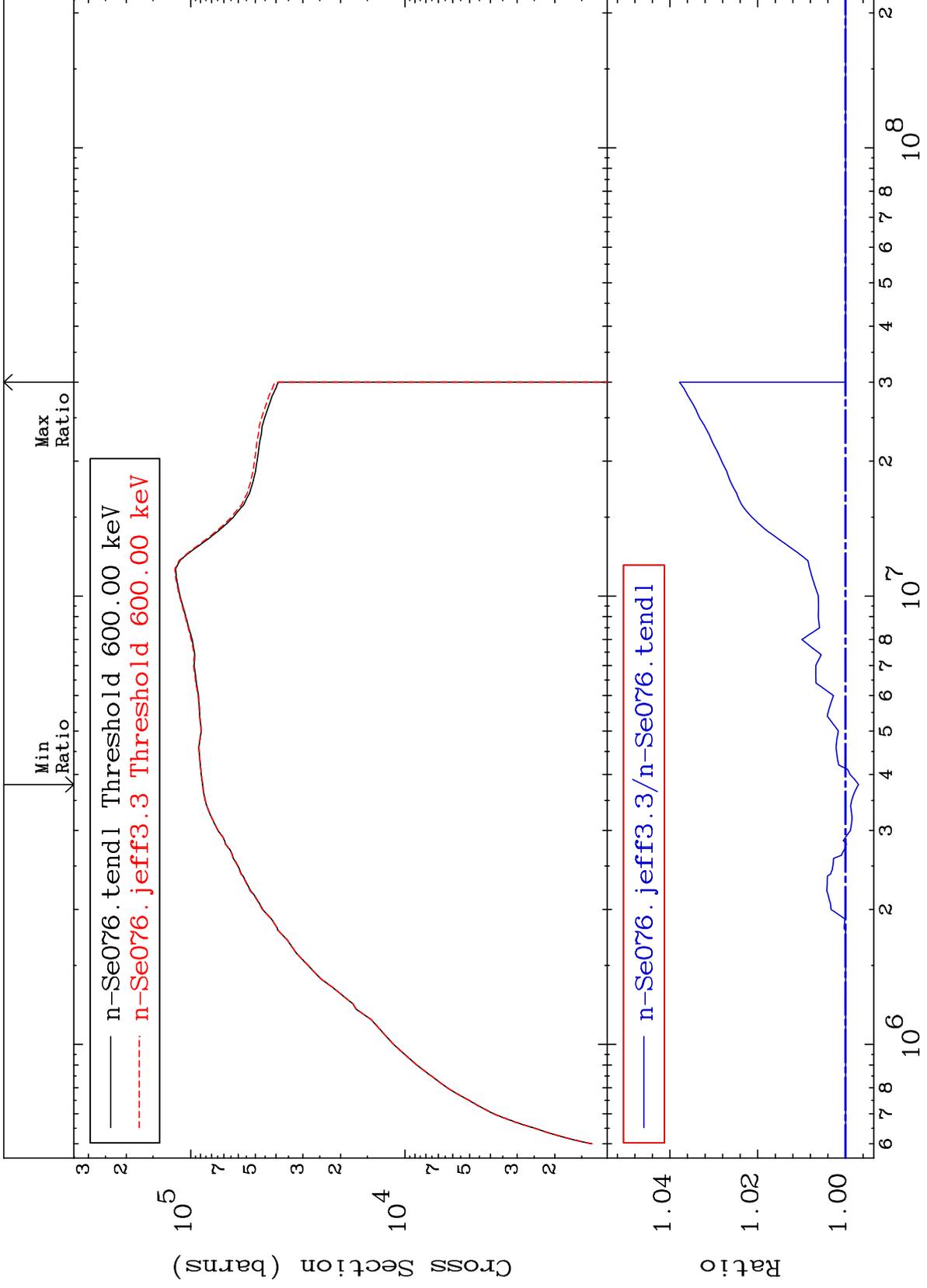
Incident Energy (eV)

³⁴Se-76

MAT 3431

Dpa inelastic (mt51-91)
Cross Section

³⁴Se-76
-0.297 To 3.782 %



77

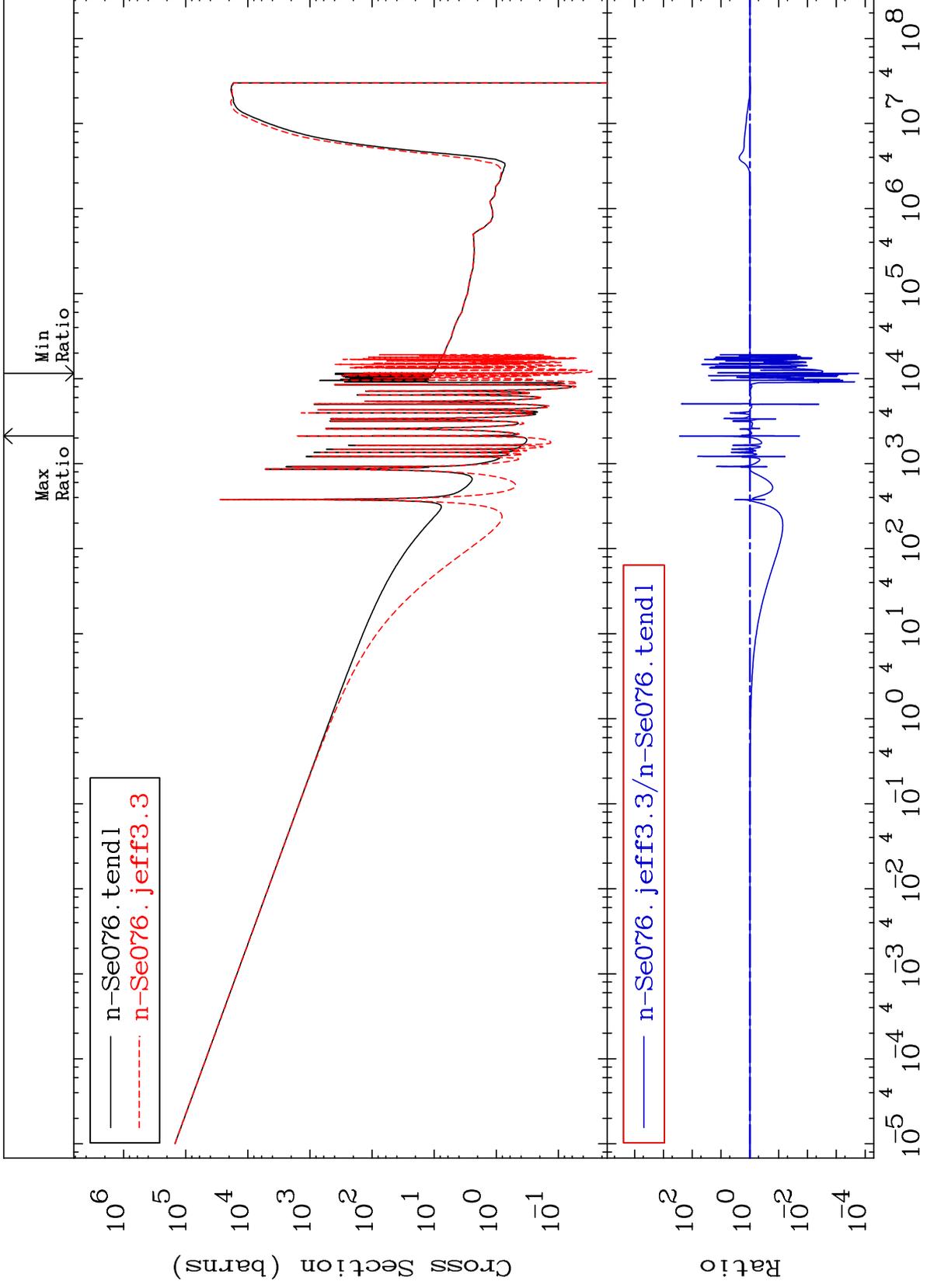
Incident Energy (eV)

³⁴Se-76

MAT 3431

Dpa disappearance (mt102 -120)
Cross Section

34-Se-76
-99.98 To 9999. %



78

Incident Energy (eV)

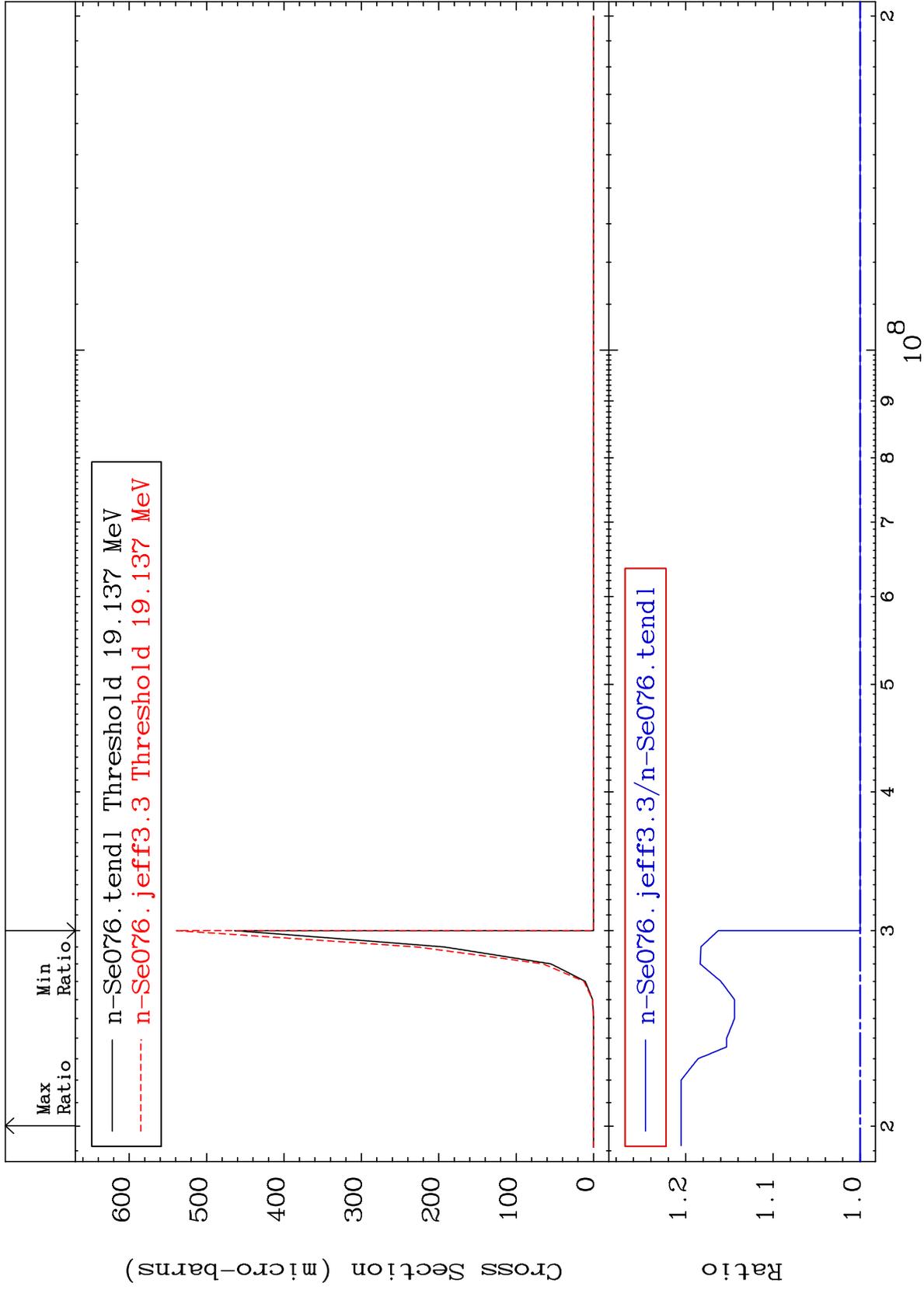
34-Se-76

MAT 3431

$^{34}\text{Se-76}$

(n, n') He-3:32-Ge-73g

Radionuclide Production Cross Section 0.000 To 20.53 %



79

Incident Energy (eV)

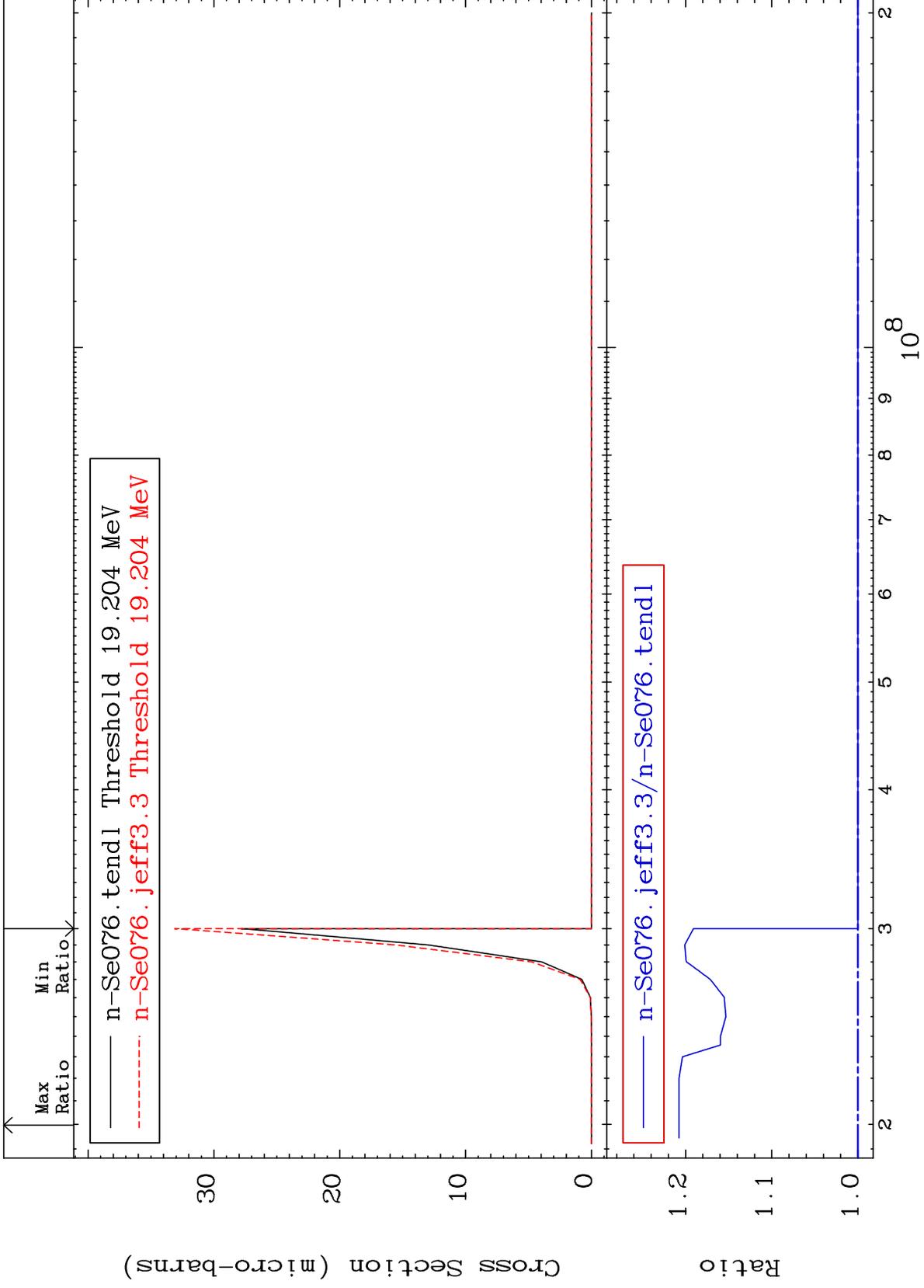
$^{34}\text{Se-76}$

MAT 3431

(n, n') He-3:32-Ge-73m2

34-Se-76

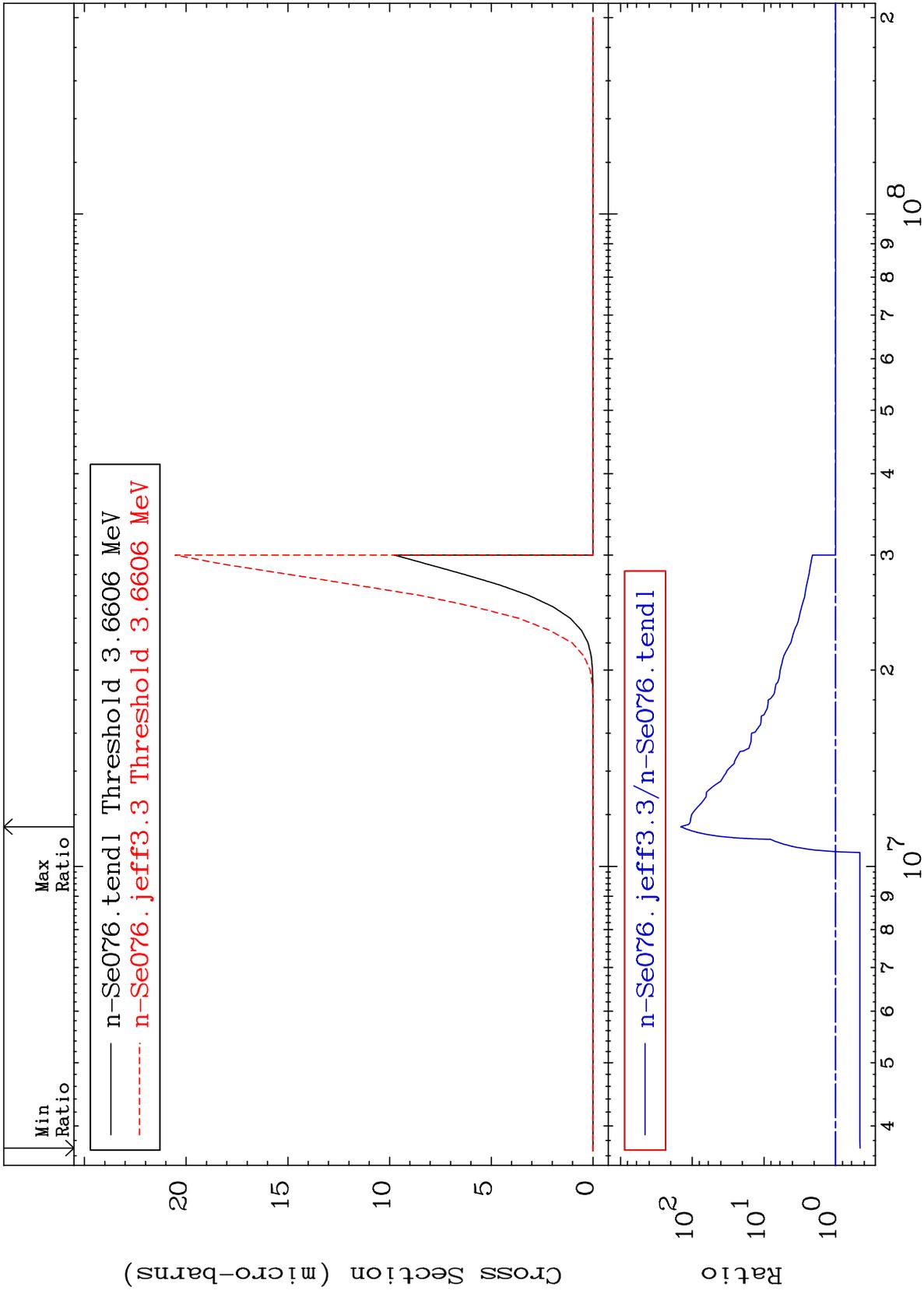
Radionuclide Production Cross Section 0.000 To 20.76 %



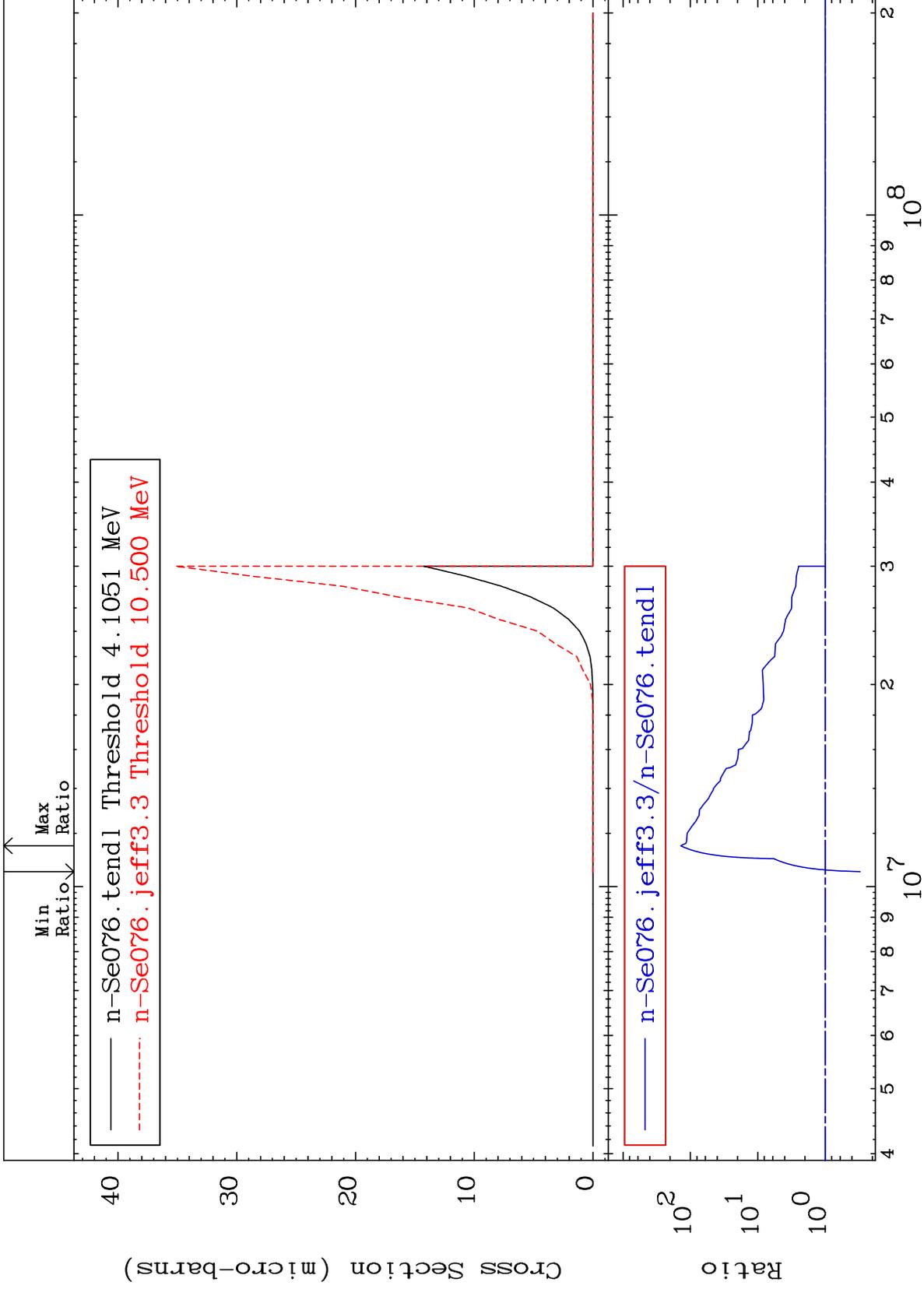
80

Incident Energy (eV)

34-Se-76



Radionuclide Production Cross Section -69.63 To 9999. %

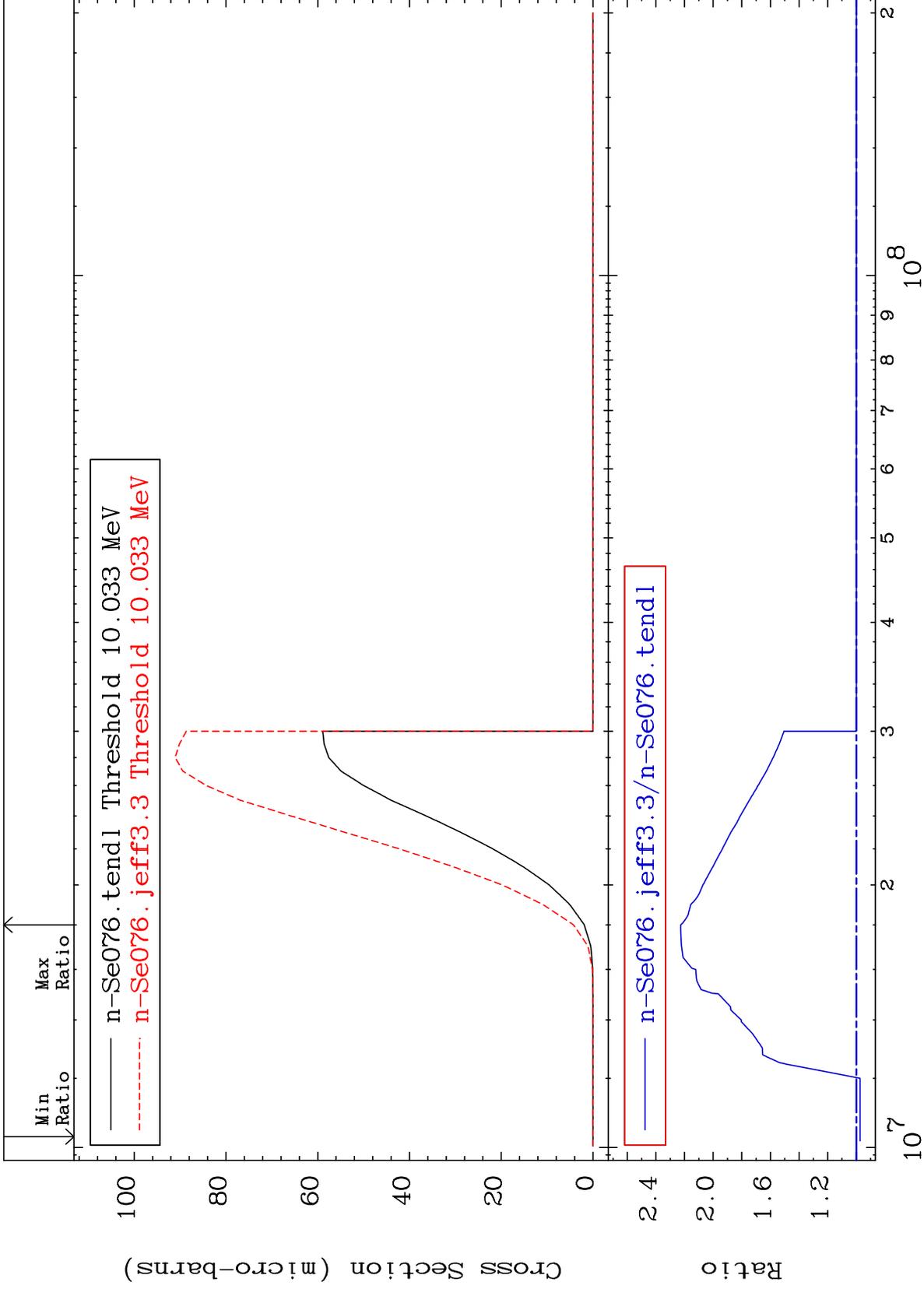


MAT 3431

(n,2p) : 32-Ge-75g

34-Se-76

Radionuclide Production Cross Section -2.651 To 122.6 %

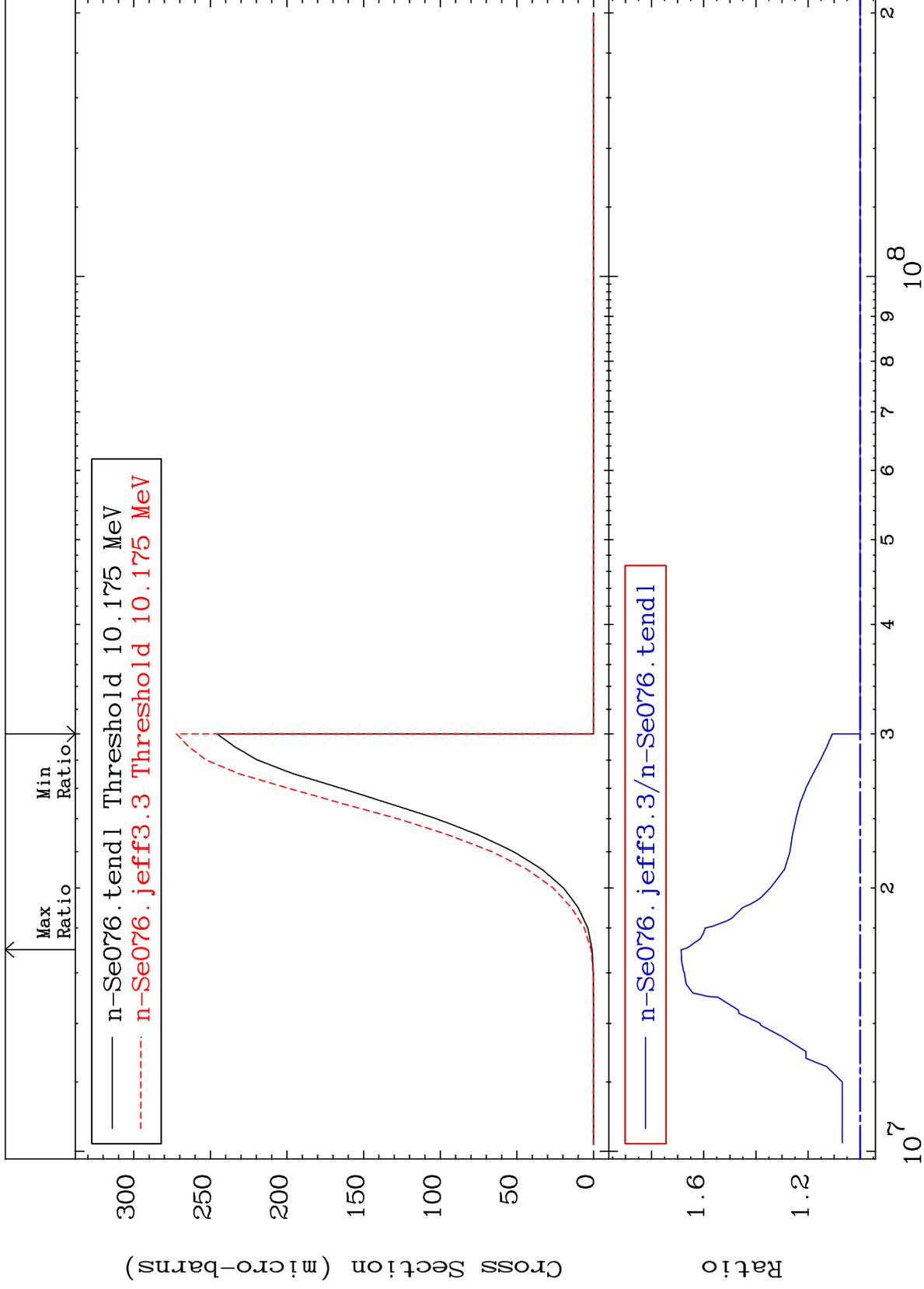


MAT 3431

(n,2p):32-Ge-75m2

34-^{Se}-76

Radionuclide Production Cross Section 0.000 To 68.66 %



84

Incident Energy (eV)

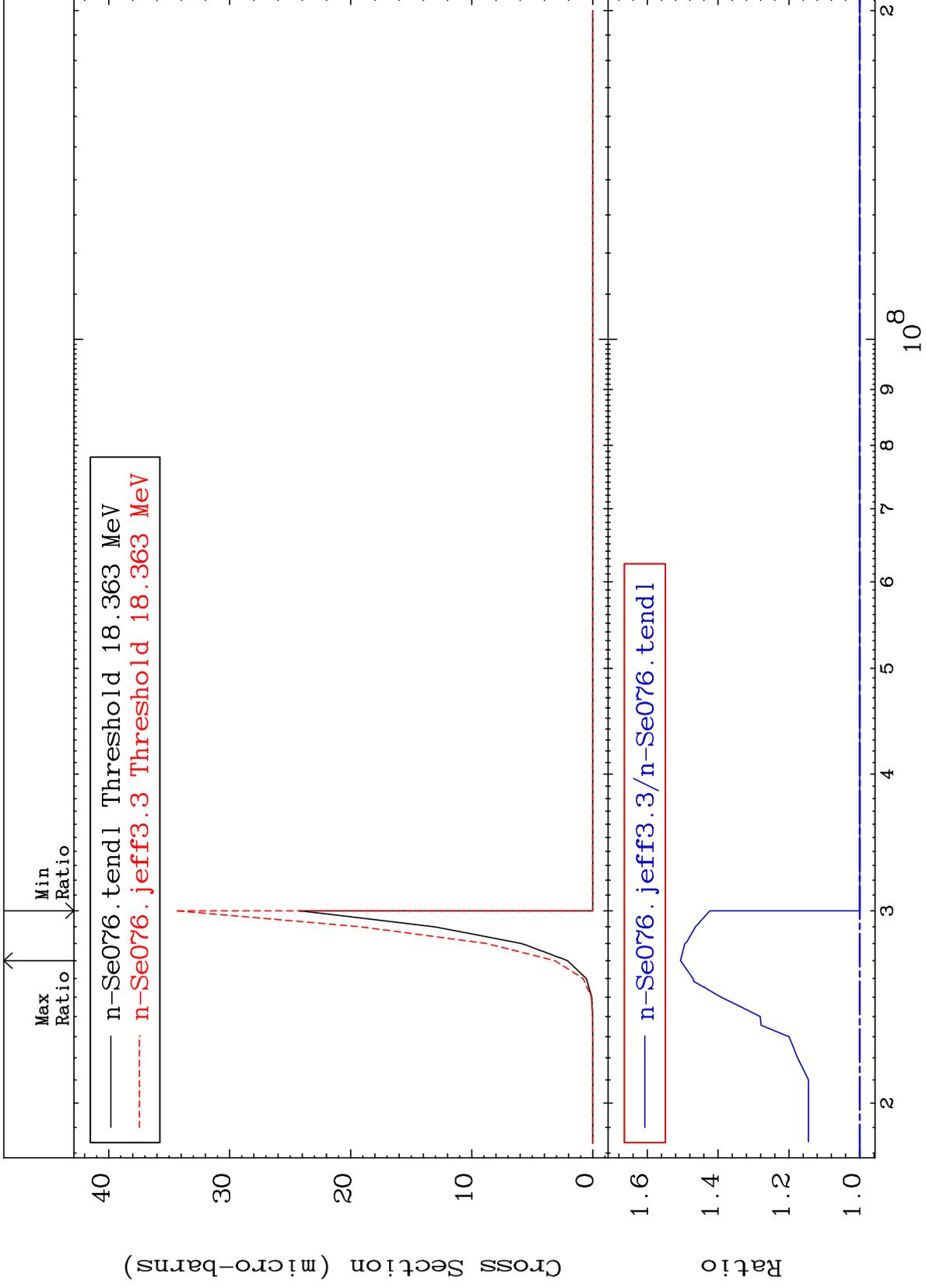
34-^{Se}-76

MAT 3431

(n, p) t:32-Ge-73g

³⁴Se-76

Radionuclide Production Cross Section 0.000 To 50.61 %

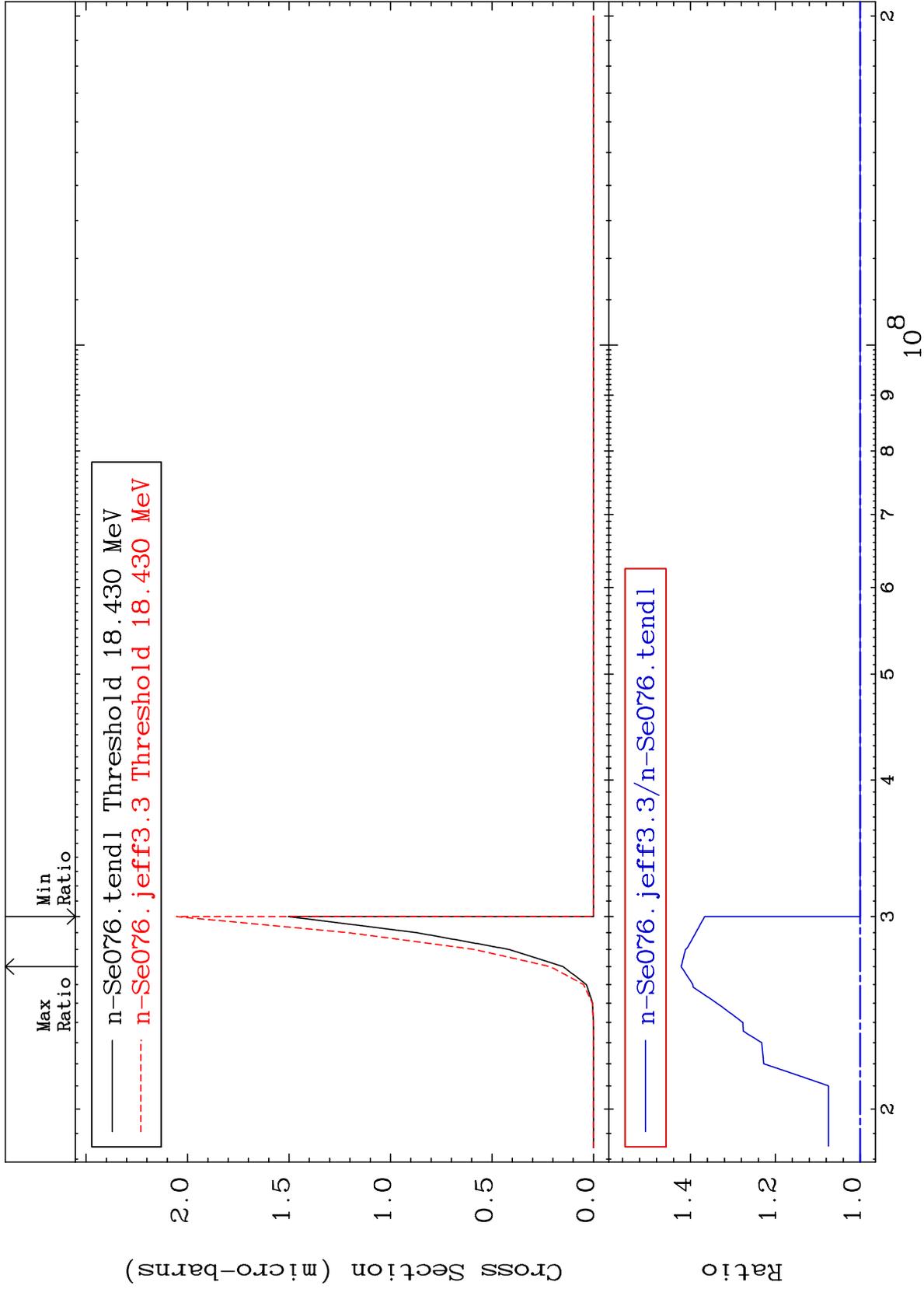


MAT 3431

(n, p) t:32-Ge-73m2

34-Se-76

Radionuclide Production Cross Section 0.000 To 42.20 %



86

Incident Energy (eV)

34-Se-76