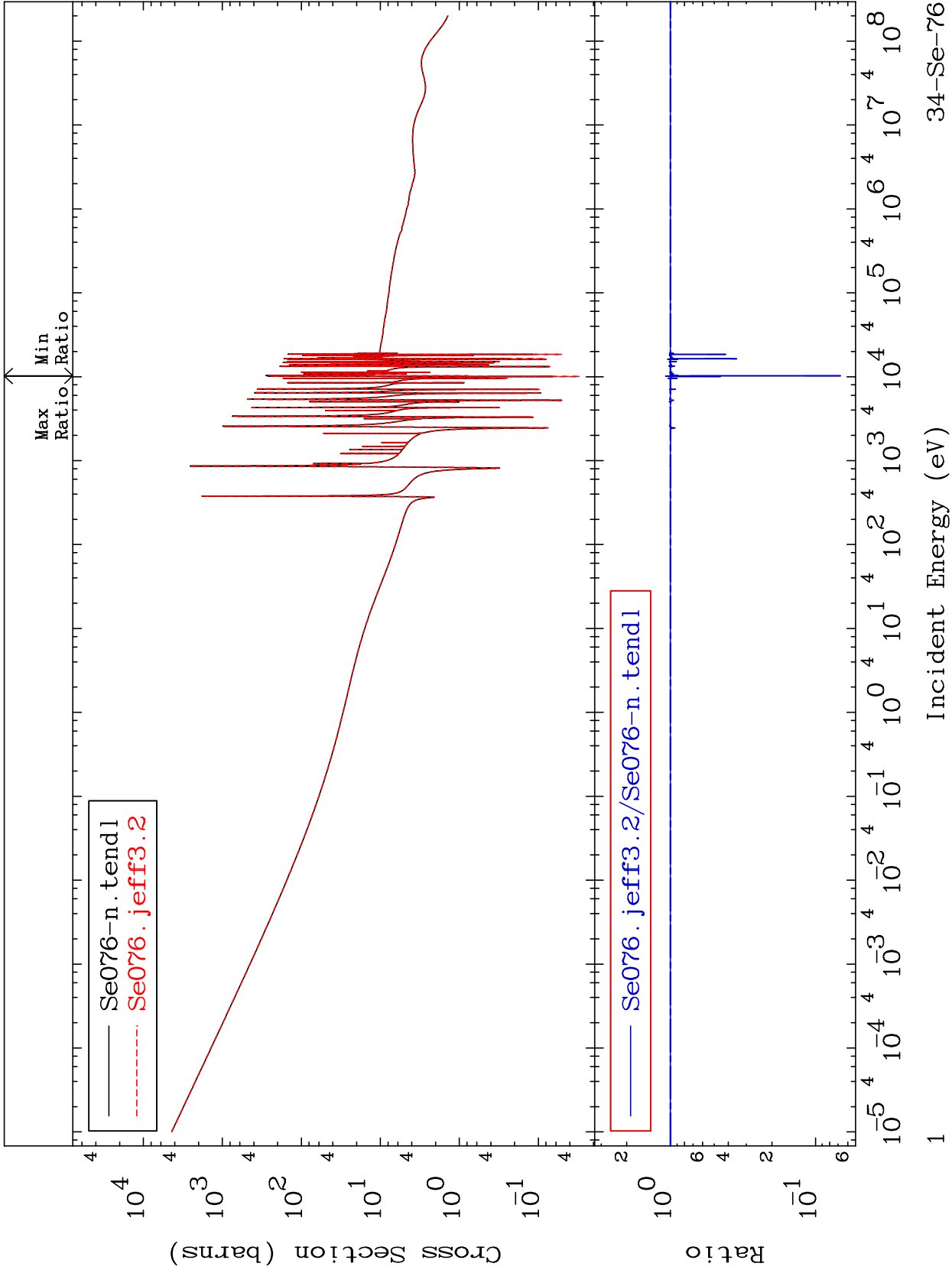


MAT 3431

Total
Cross Section

³⁴Se-76
-93.29 To 8.153 %



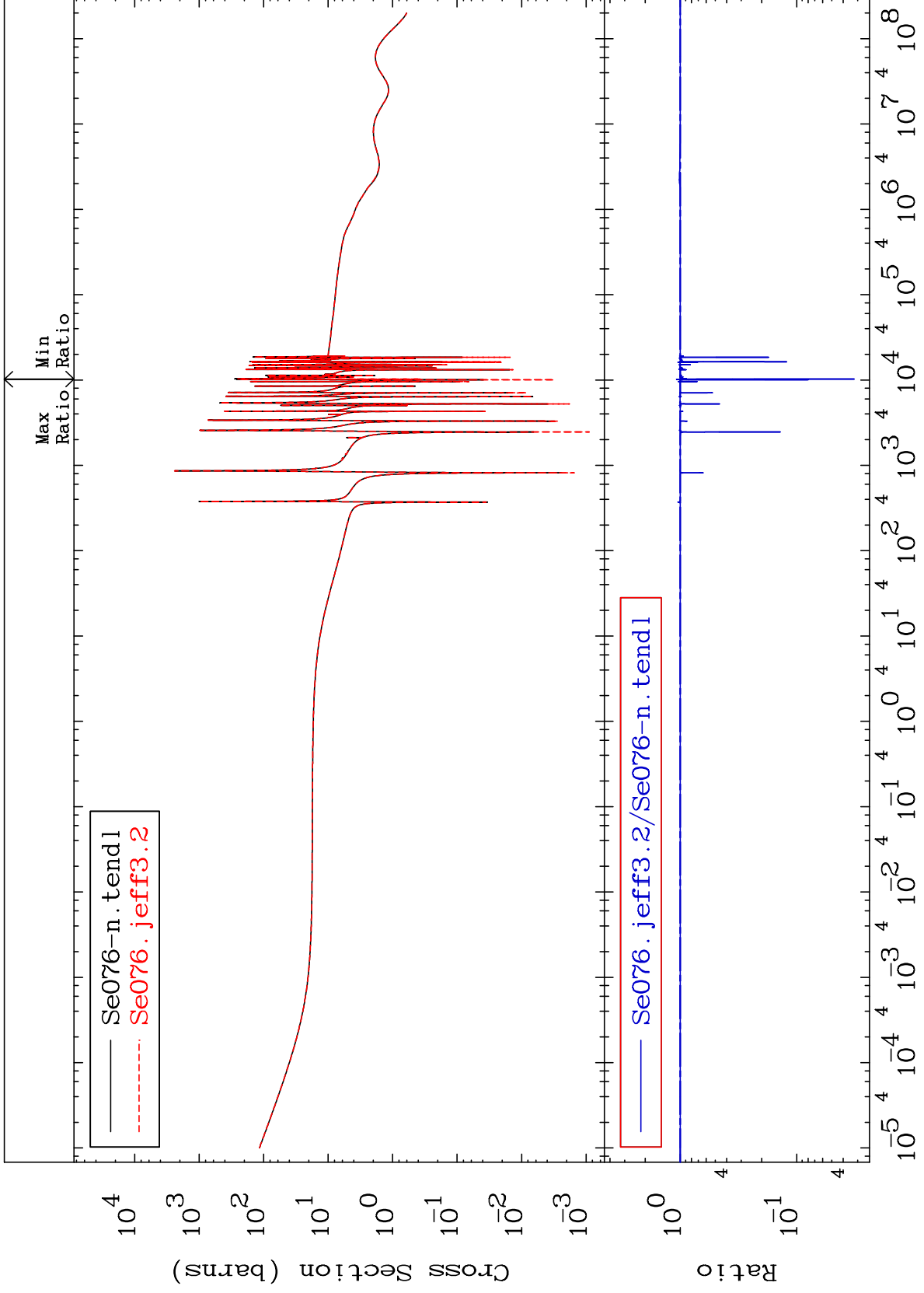
³⁴Se-76

Incident Energy (eV)

MAT 3431

Elastic
Cross Section

34-Se-76
-96.80 To 7.951 %



2

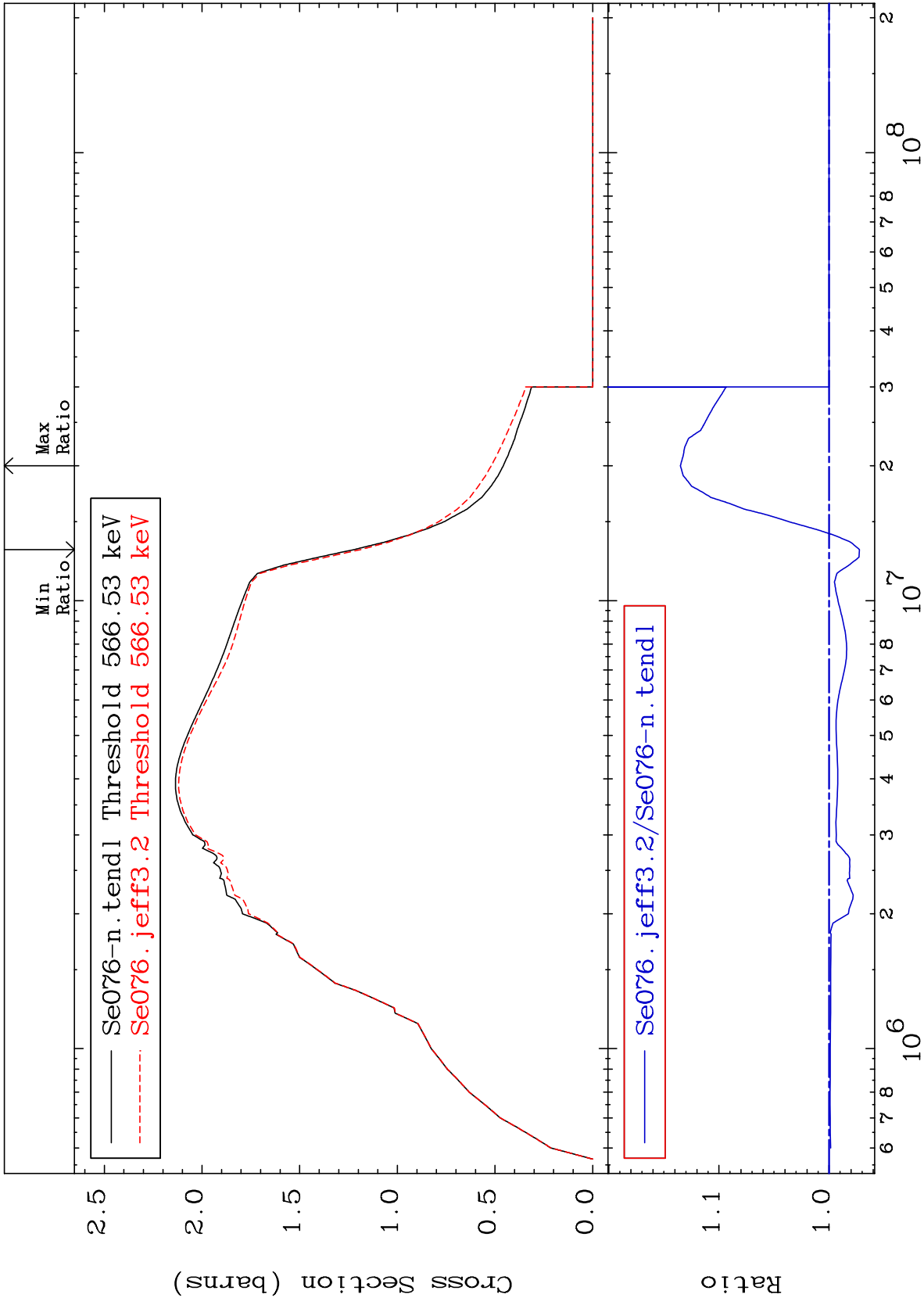
Incident Energy (eV)

34-Se-76

MAT 3431

Inelastic
Cross Section

³⁴Se-76
-2.758 To 13.51 %



3

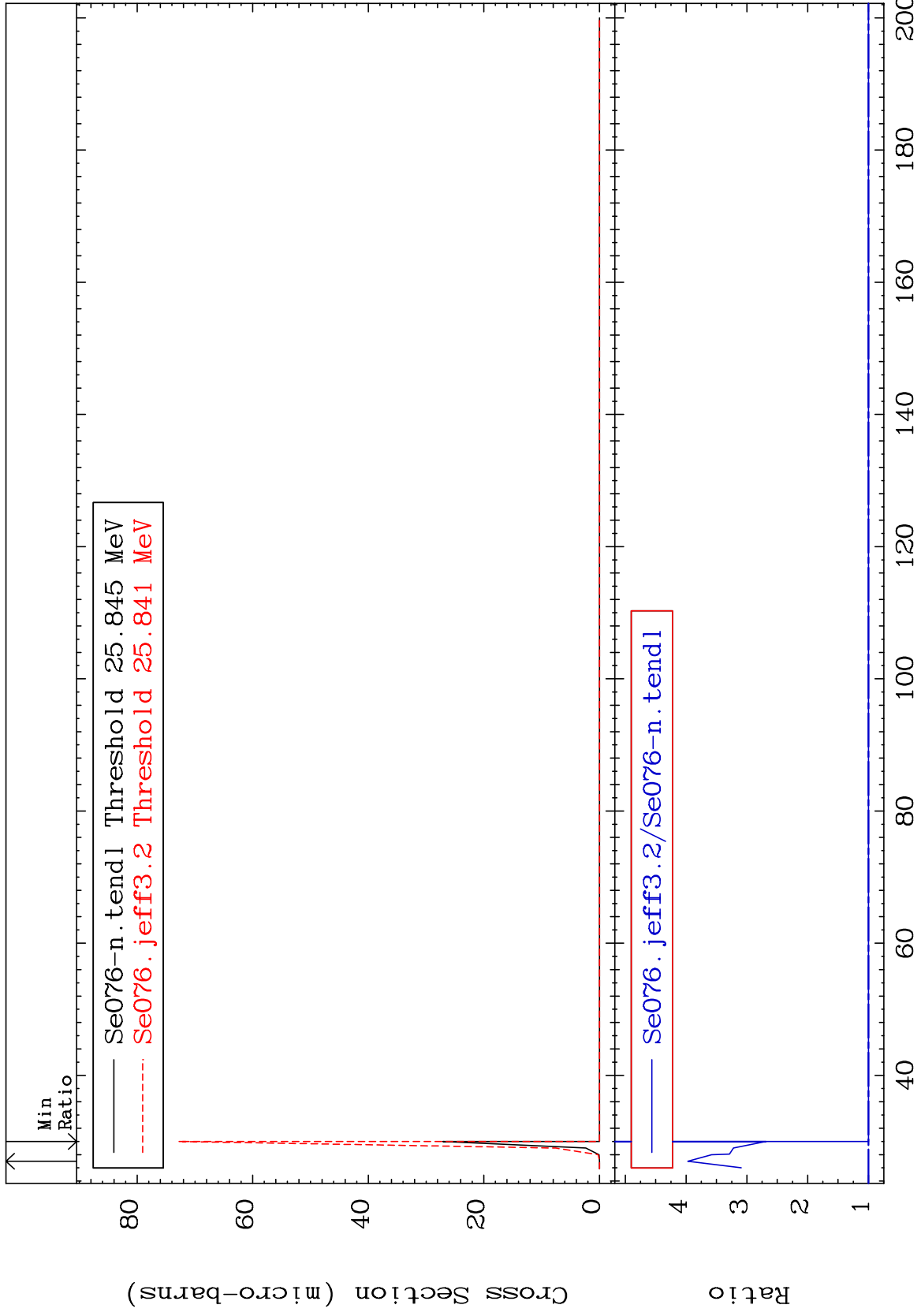
Incident Energy (eV)

³⁴Se-76

MAT 3431

(n,2n) d
Cross Section

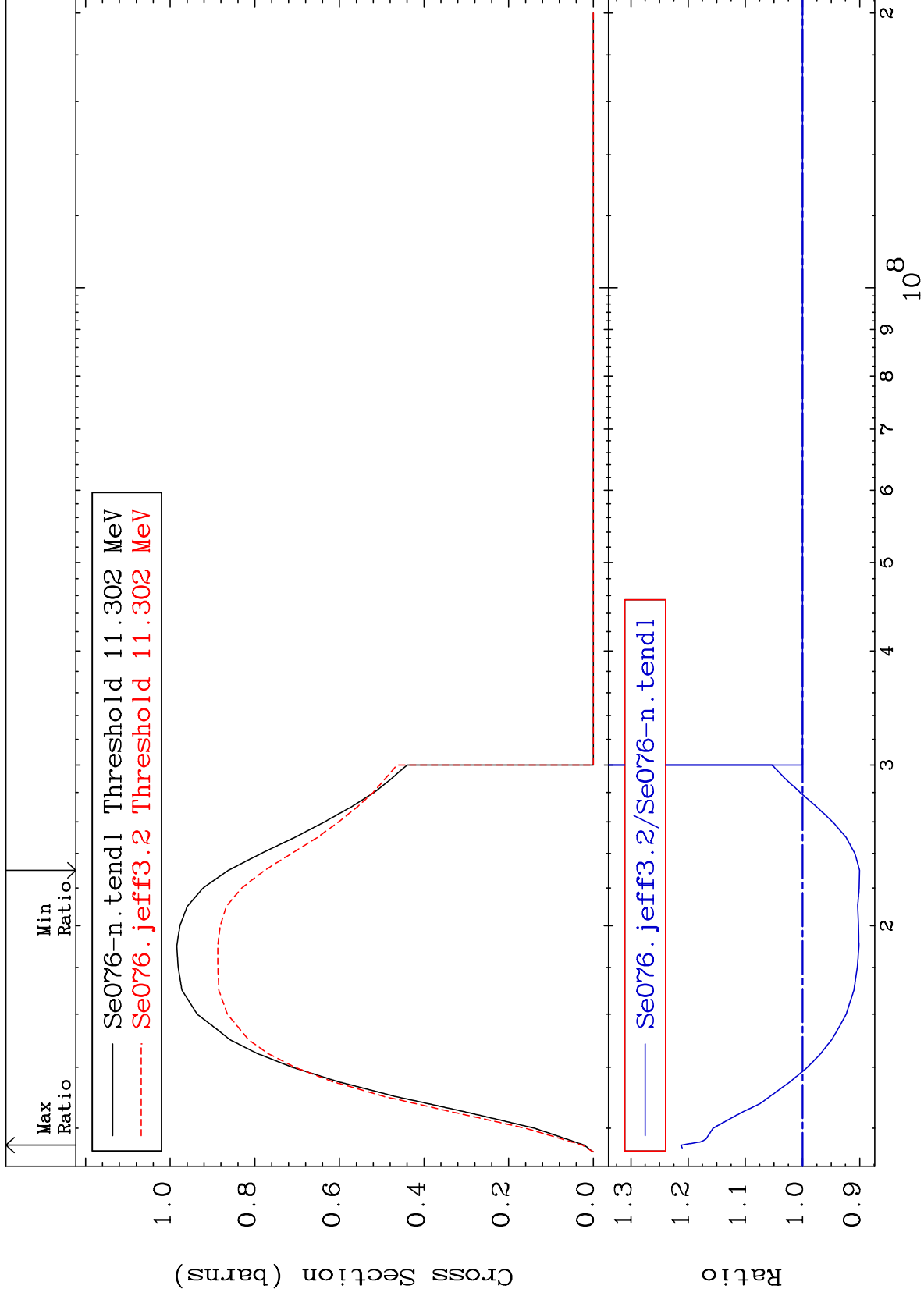
³⁴Se-76
To 297.1 %
0.000



MAT 3431

(n,2n)
Cross Section

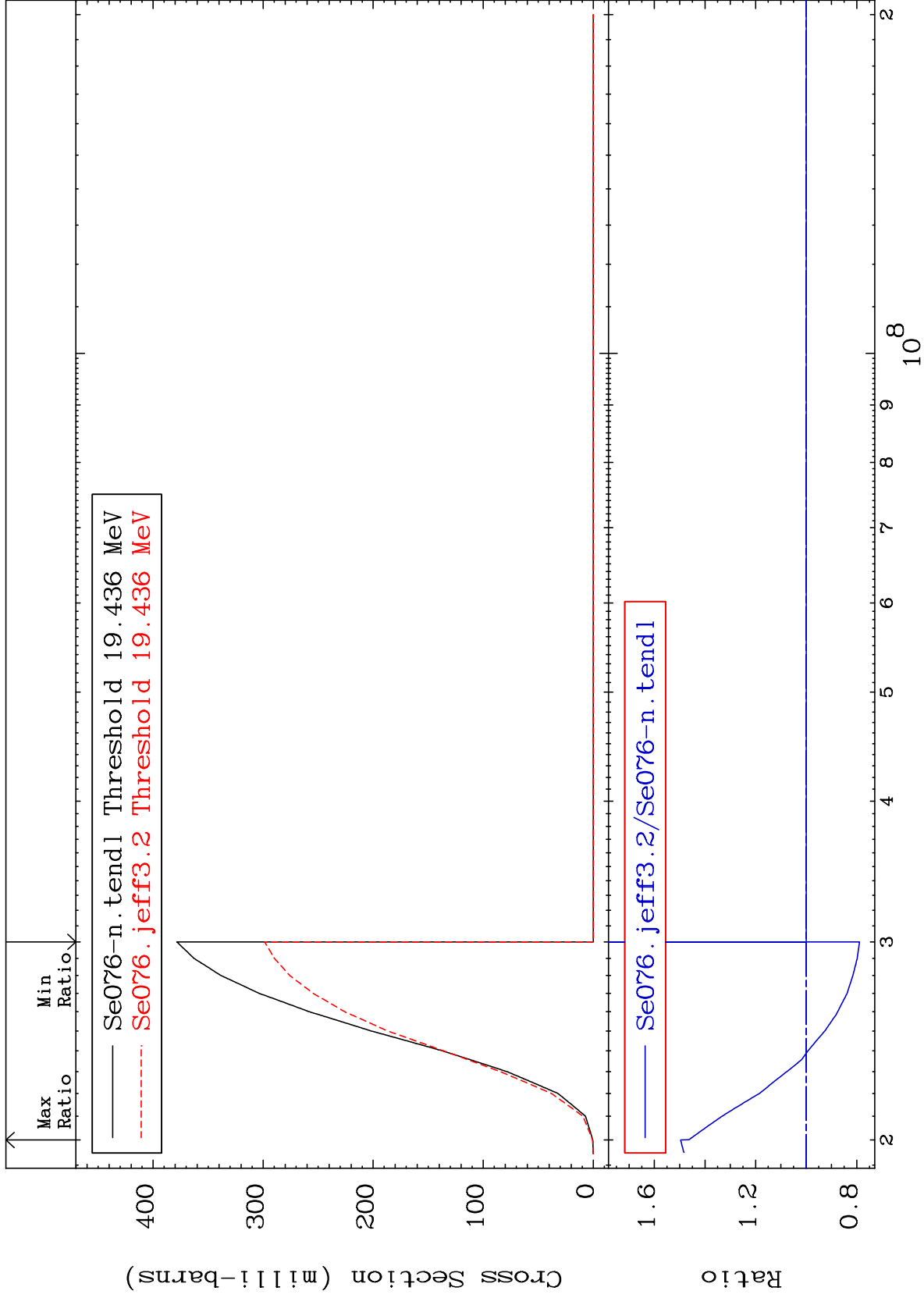
³⁴Se-76
-9.959 To 21.29 %



MAT 3431

(n,3n)
Cross Section

³⁴Se-76
-21.09 To 49.57 %



6

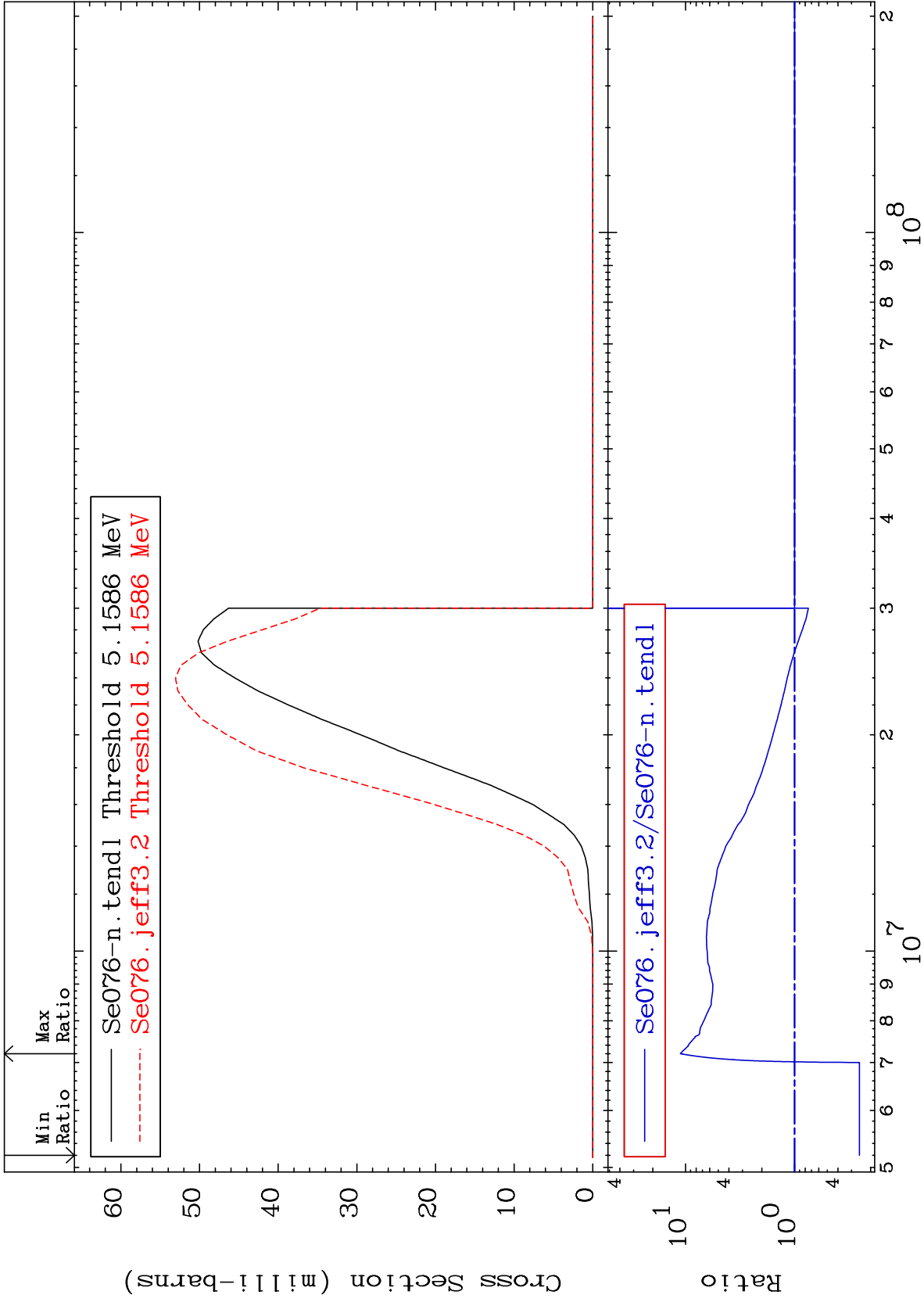
Incident Energy (eV)

³⁴Se-76

MAT 3431

(n, n') α
Cross Section

³⁴Se-76
-74.60 To 1016. %



7

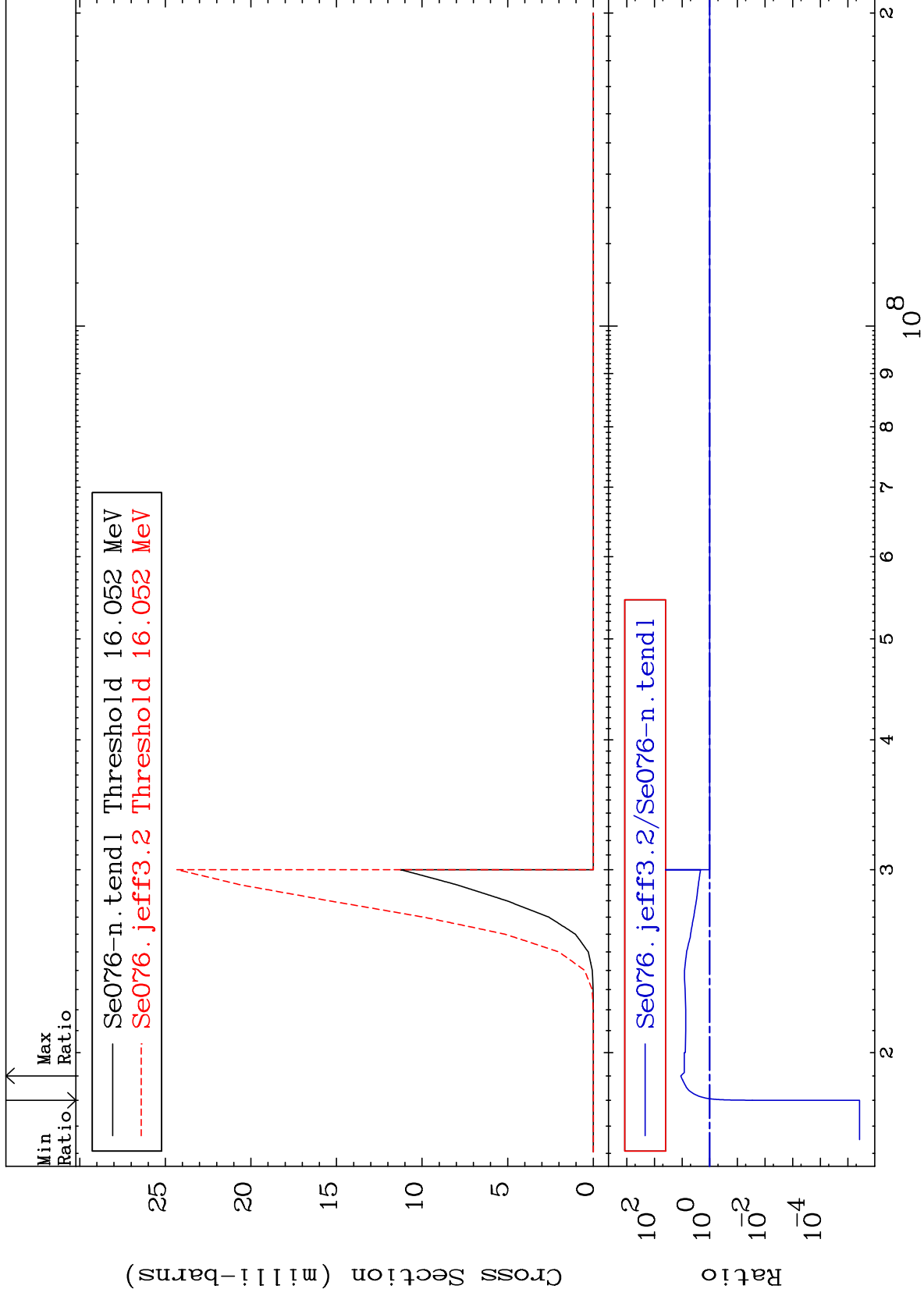
Incident Energy (eV)

³⁴Se-76

MAT 3431

(n,2n) α
Cross Section

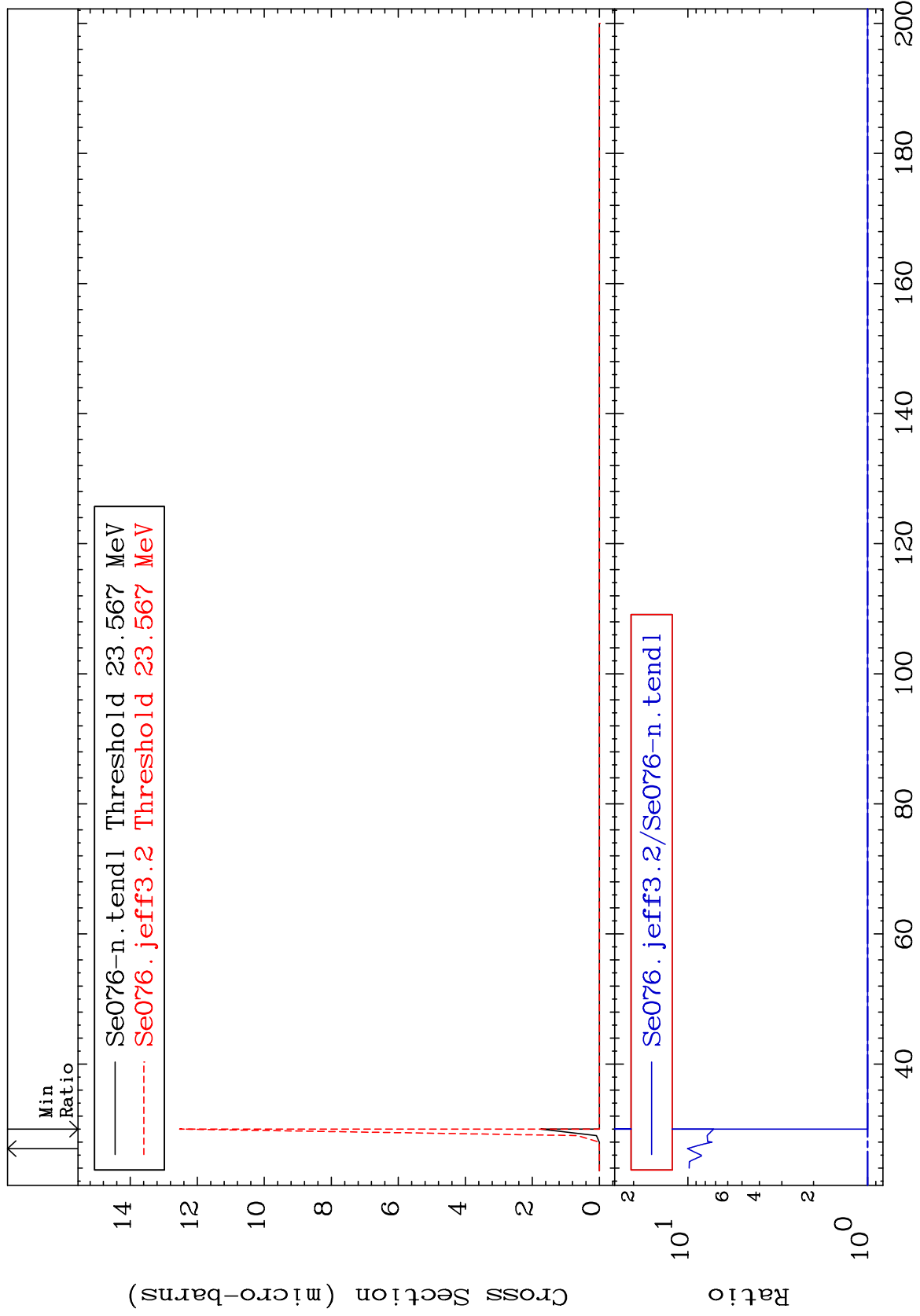
³⁴Se-76
-100.0 To 1019. %



MAT 3431

(n,3n) α
Cross Section

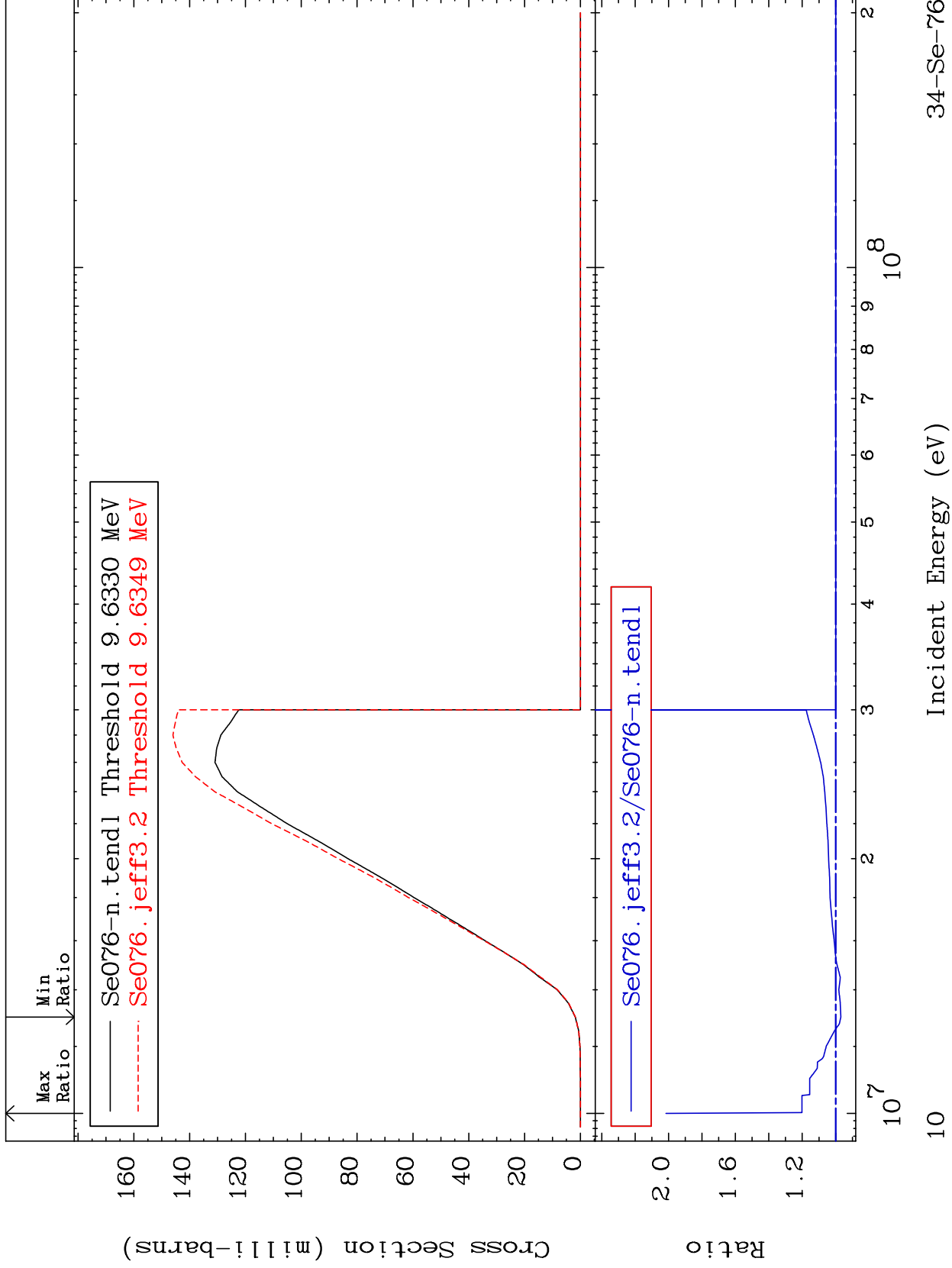
$^{34}\text{Se-76}$
To 903.6 %
0.000



MAT 3431

(n,n') p
Cross Section

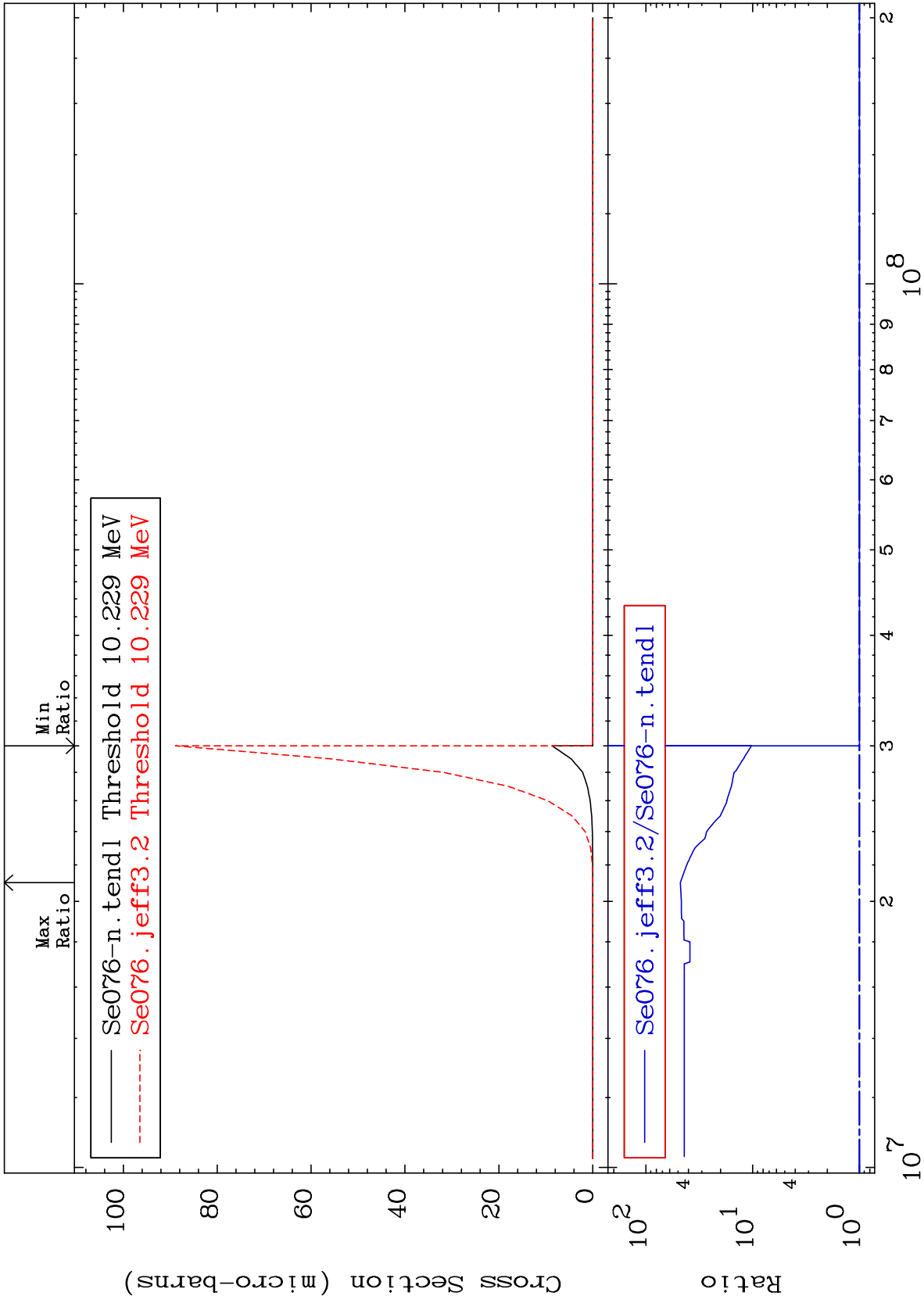
³⁴Se-76
-3.106 To 101.6 %



MAT 3431

(n, n') 2α
Cross Section

34-Se-76
0.000 To 4656. %



11

Incident Energy (eV)

34-Se-76

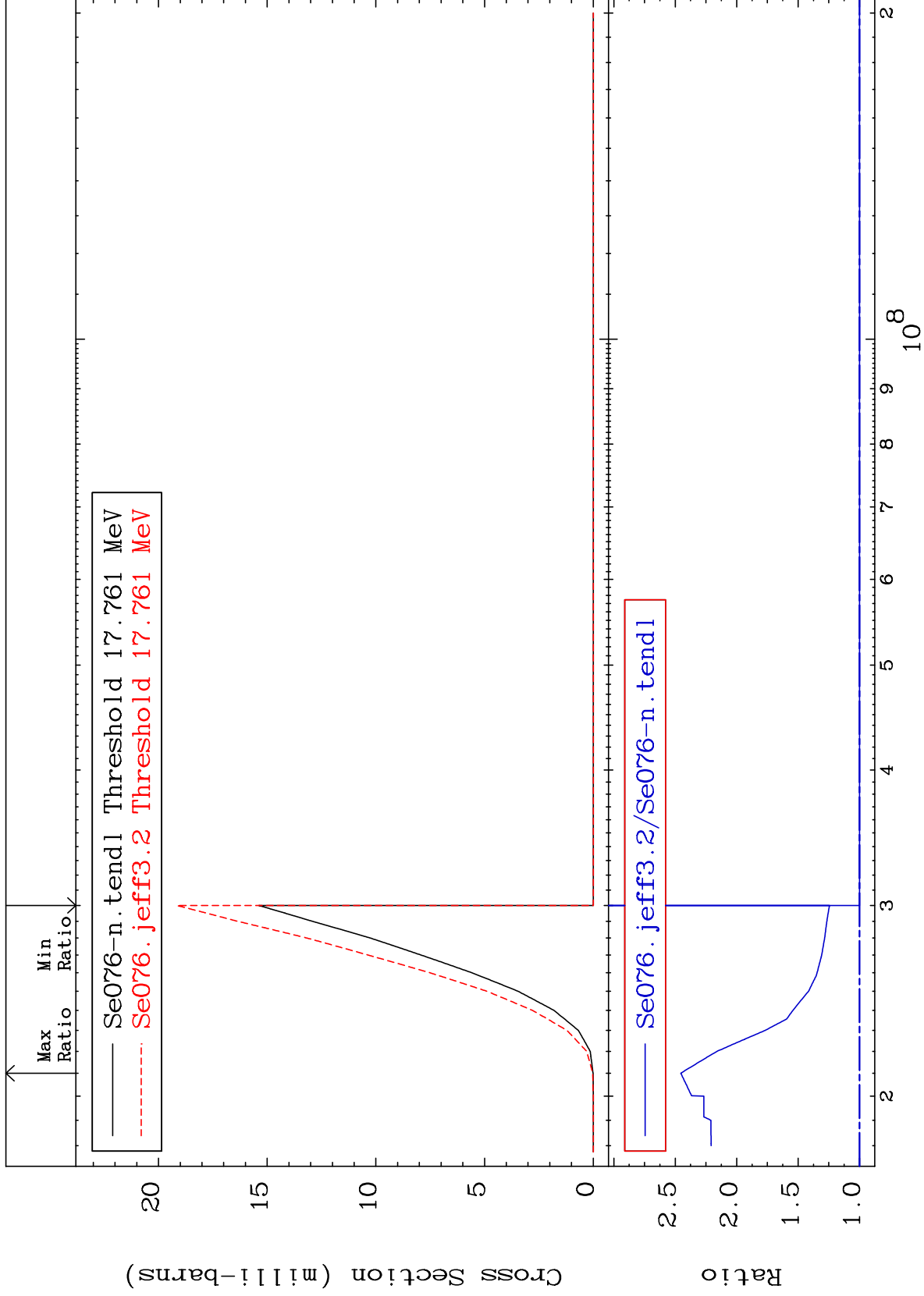
MAT 3431

(n,n') d

³⁴Se-76

Cross Section

0.000 To 145.5 %



12

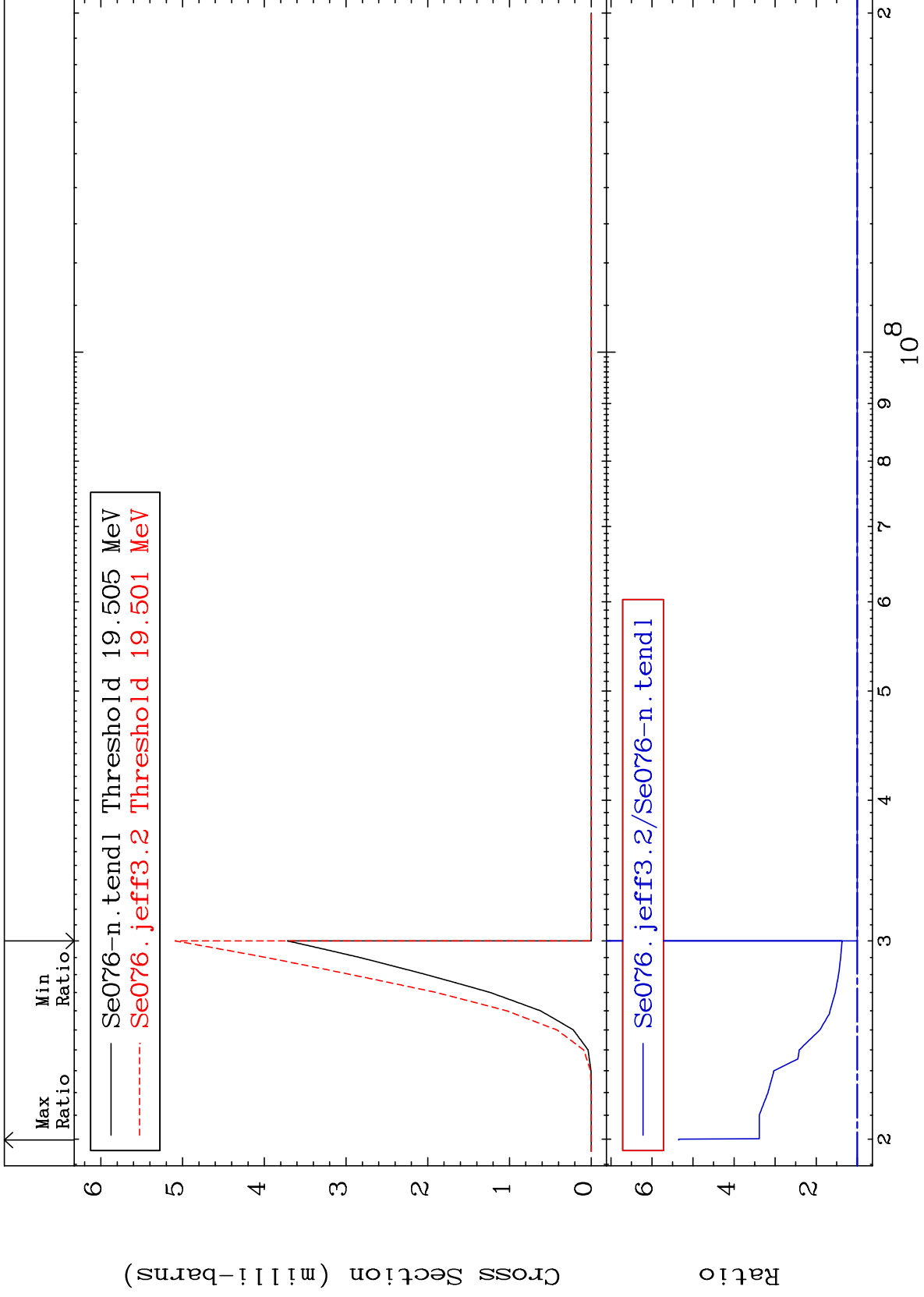
Incident Energy (eV)

³⁴Se-76

MAT 3431

(n,n') t
Cross Section

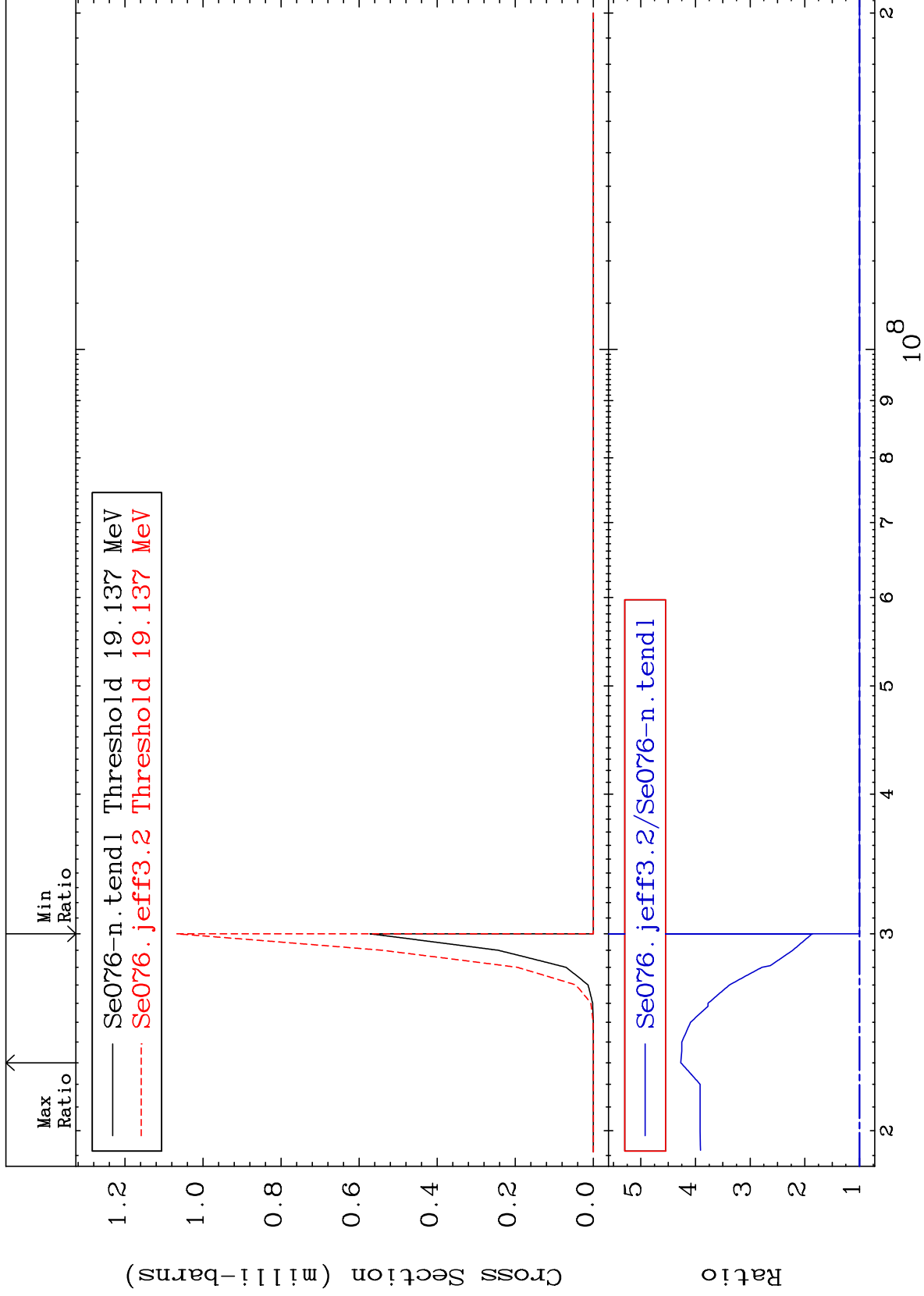
³⁴Se-76
To 435.0 %
0.000



MAT 3431

(n, n') He-3
Cross Section

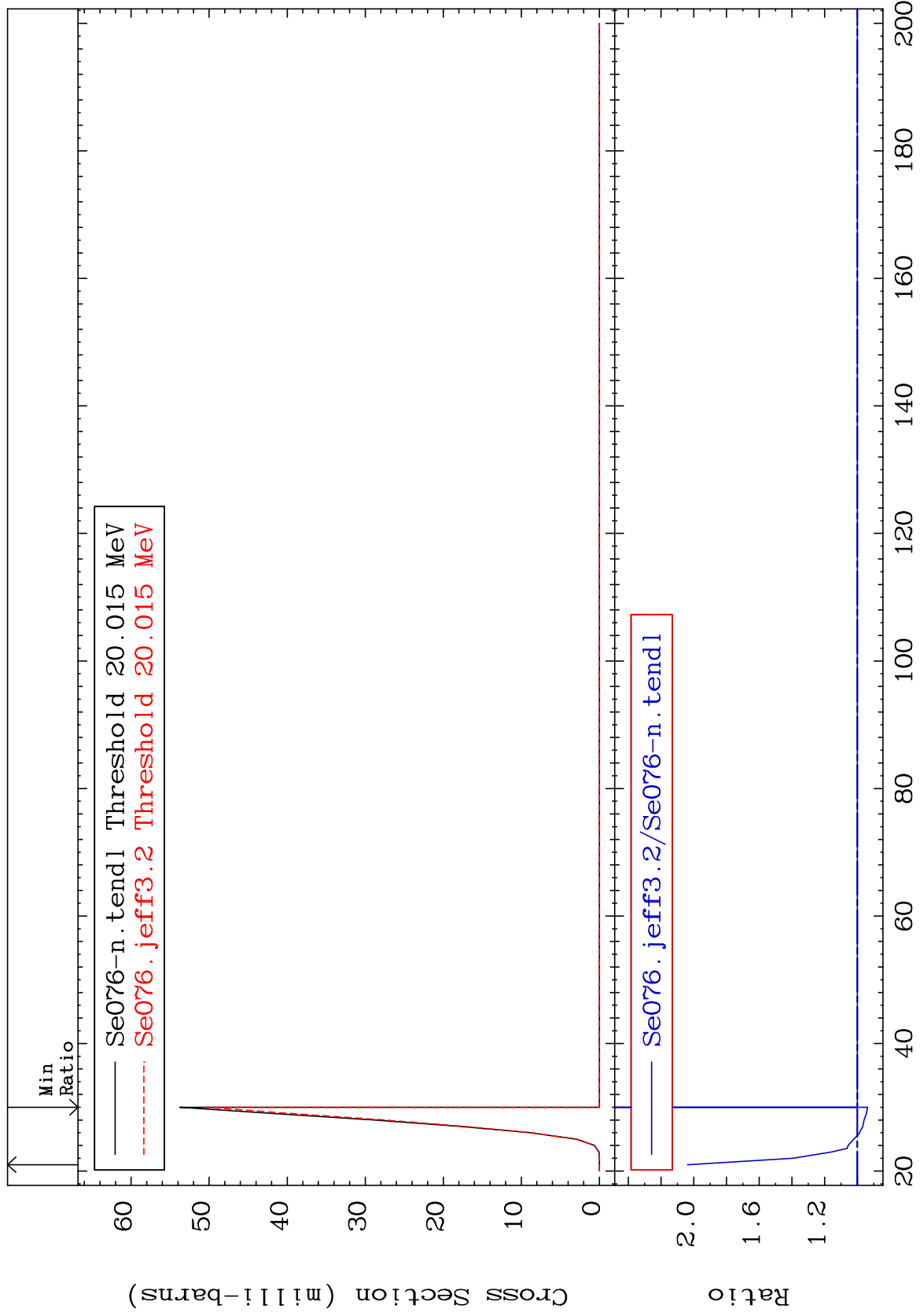
34-Se-76
0.000 To 327.0 %



MAT 3431

(n,2n) p
Cross Section

³⁴Se-76
-6.296 To 103.8 %



15

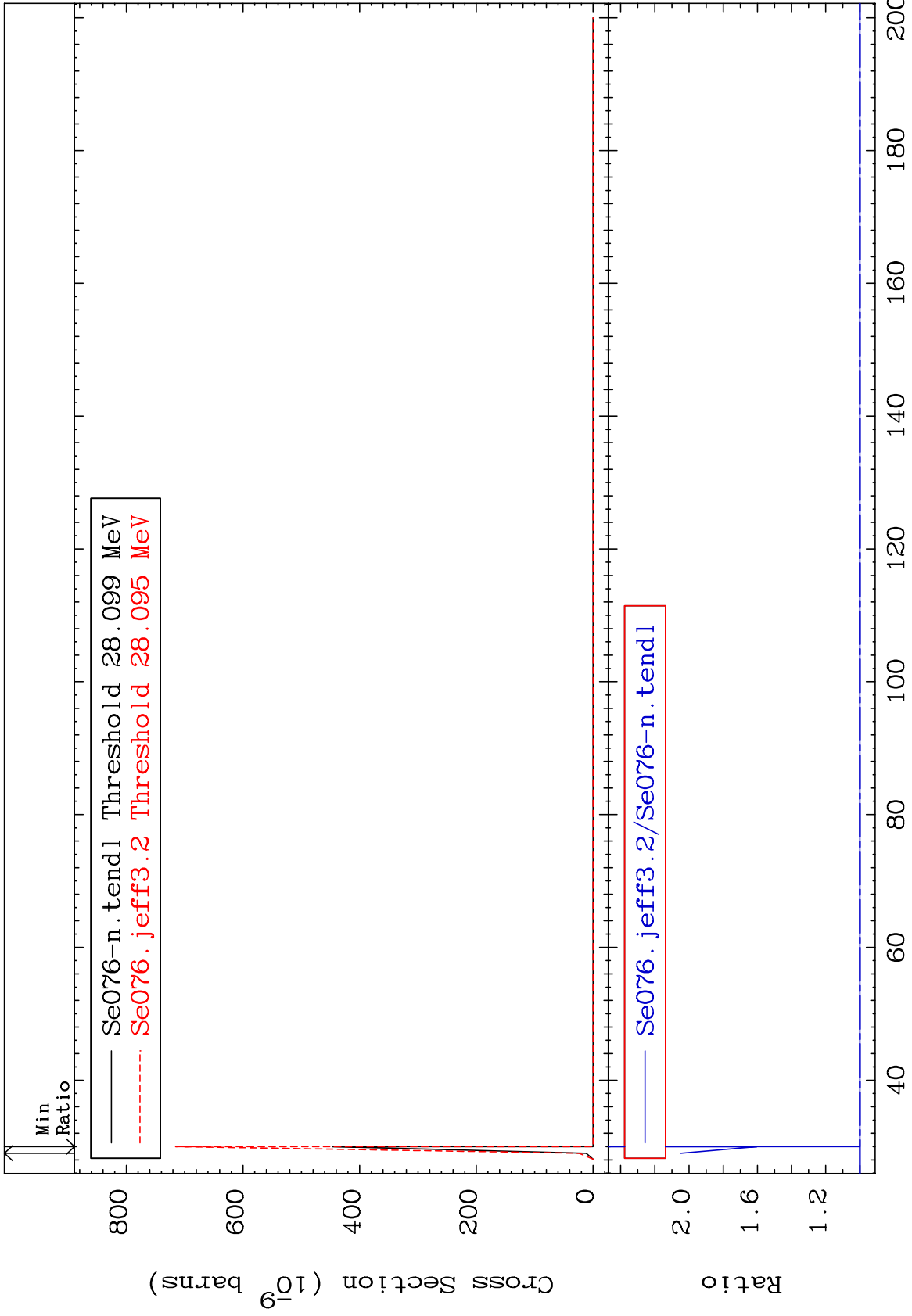
Incident Energy (MeV)

³⁴Se-76

MAT 3431

(n,3n) p
Cross Section

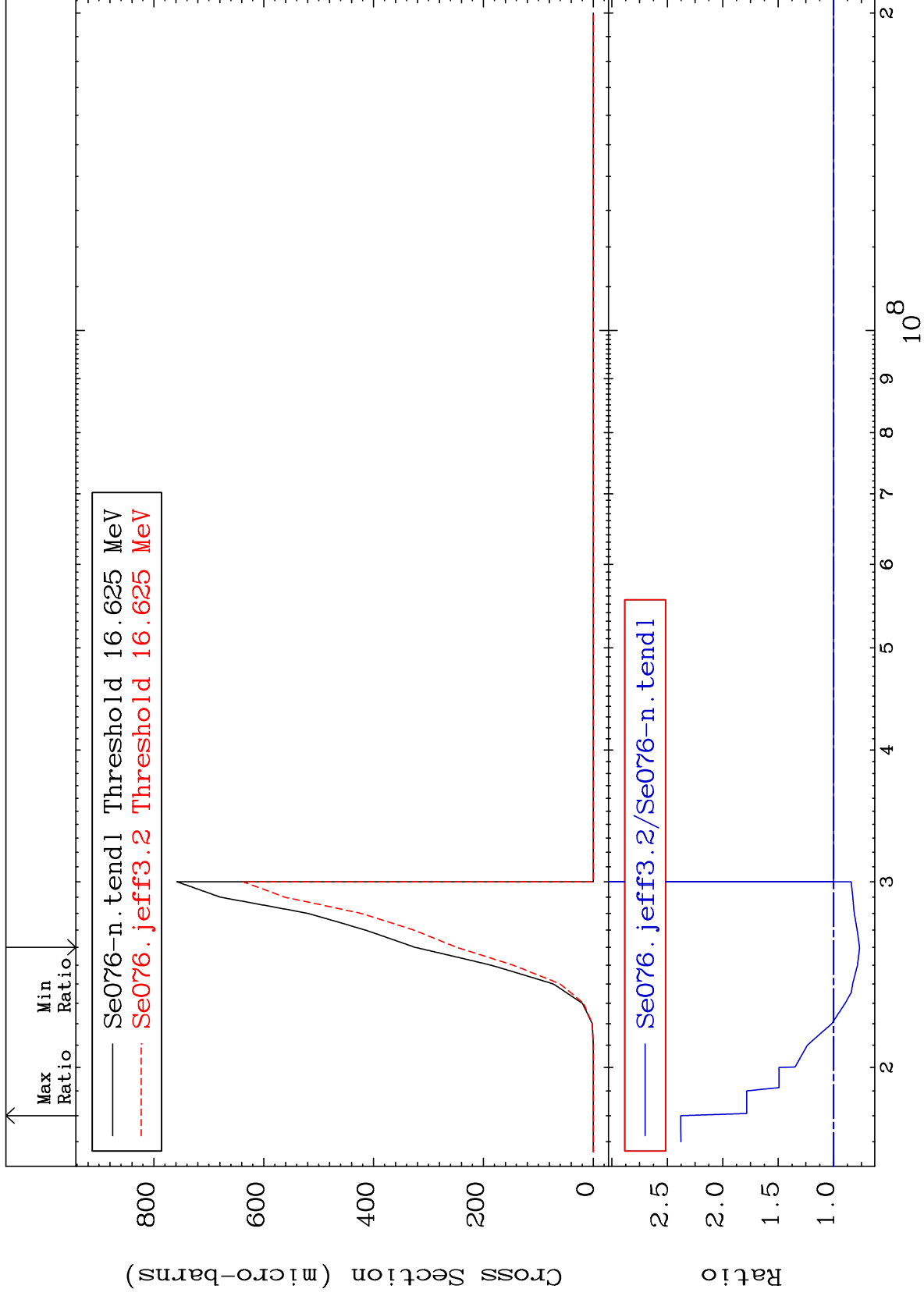
³⁴Se-76
0.000 To 104.9 %



MAT 3431

(n,2n) p
Cross Section

³⁴Se-76
-23.38 To 137.9 %

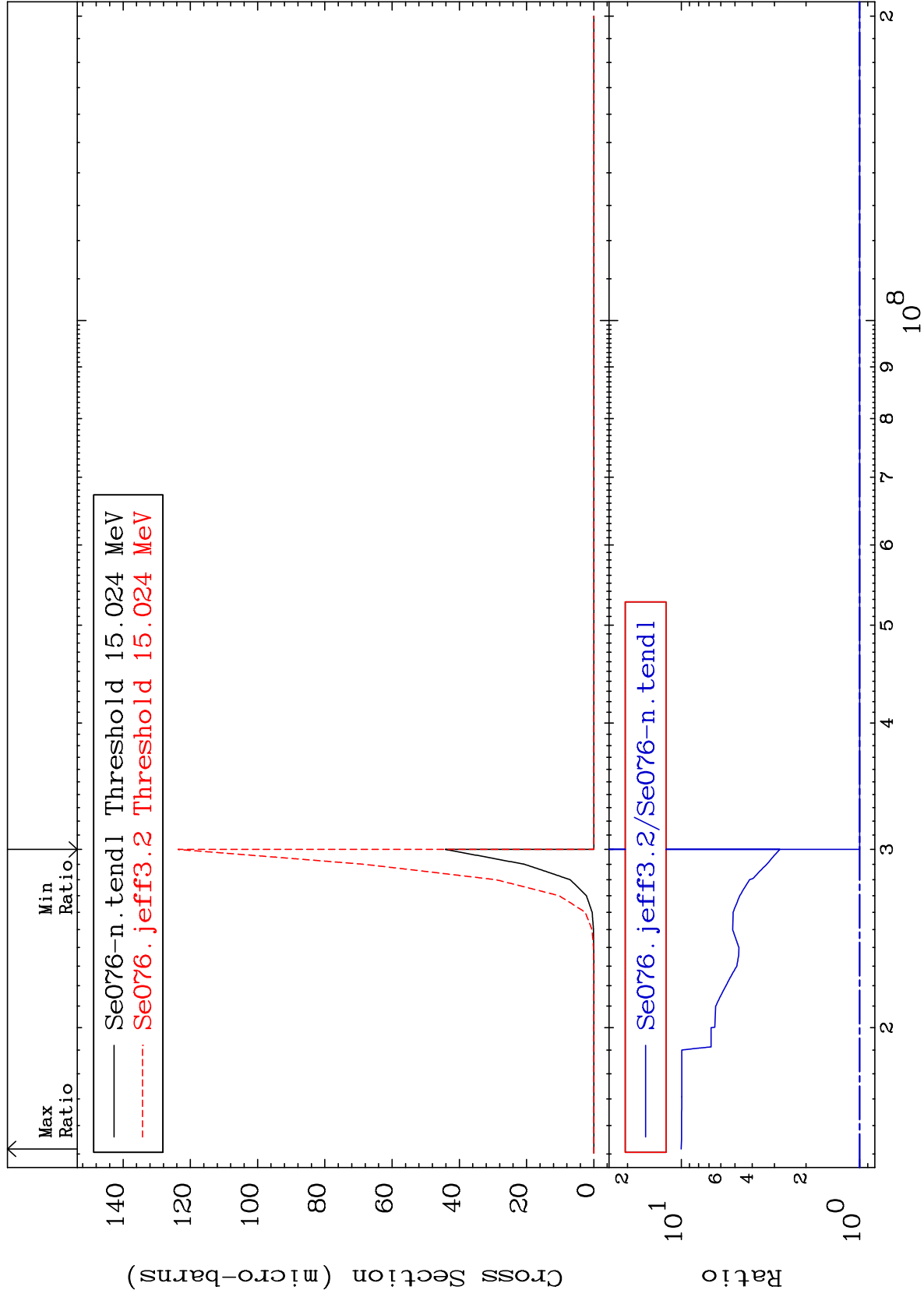


MAT 3431

(n,n') p α
Cross Section

³⁴Se-76

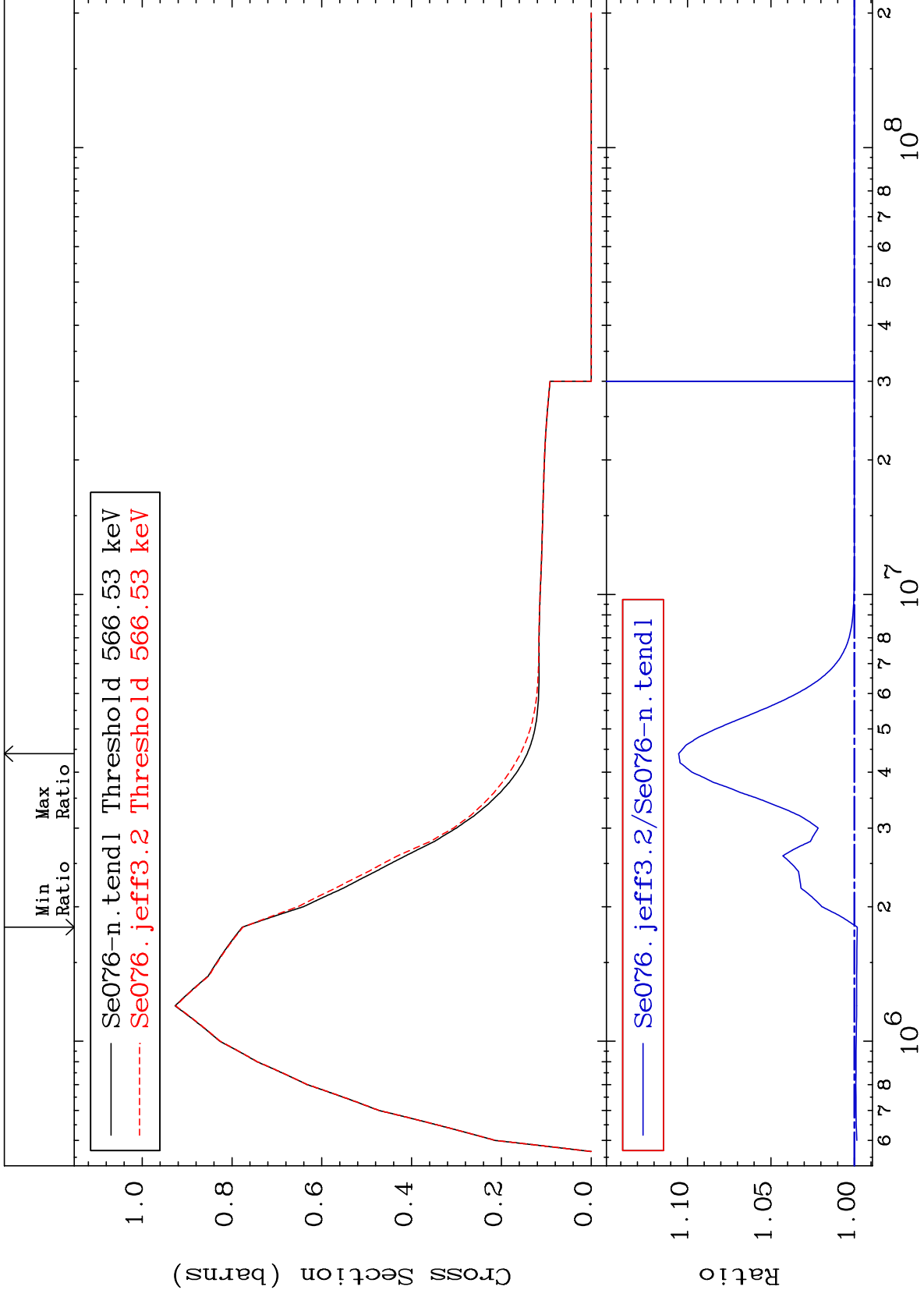
0.000 To 900.8 %



MAT 3431

559.1 keV (n,n') Level
Cross Section

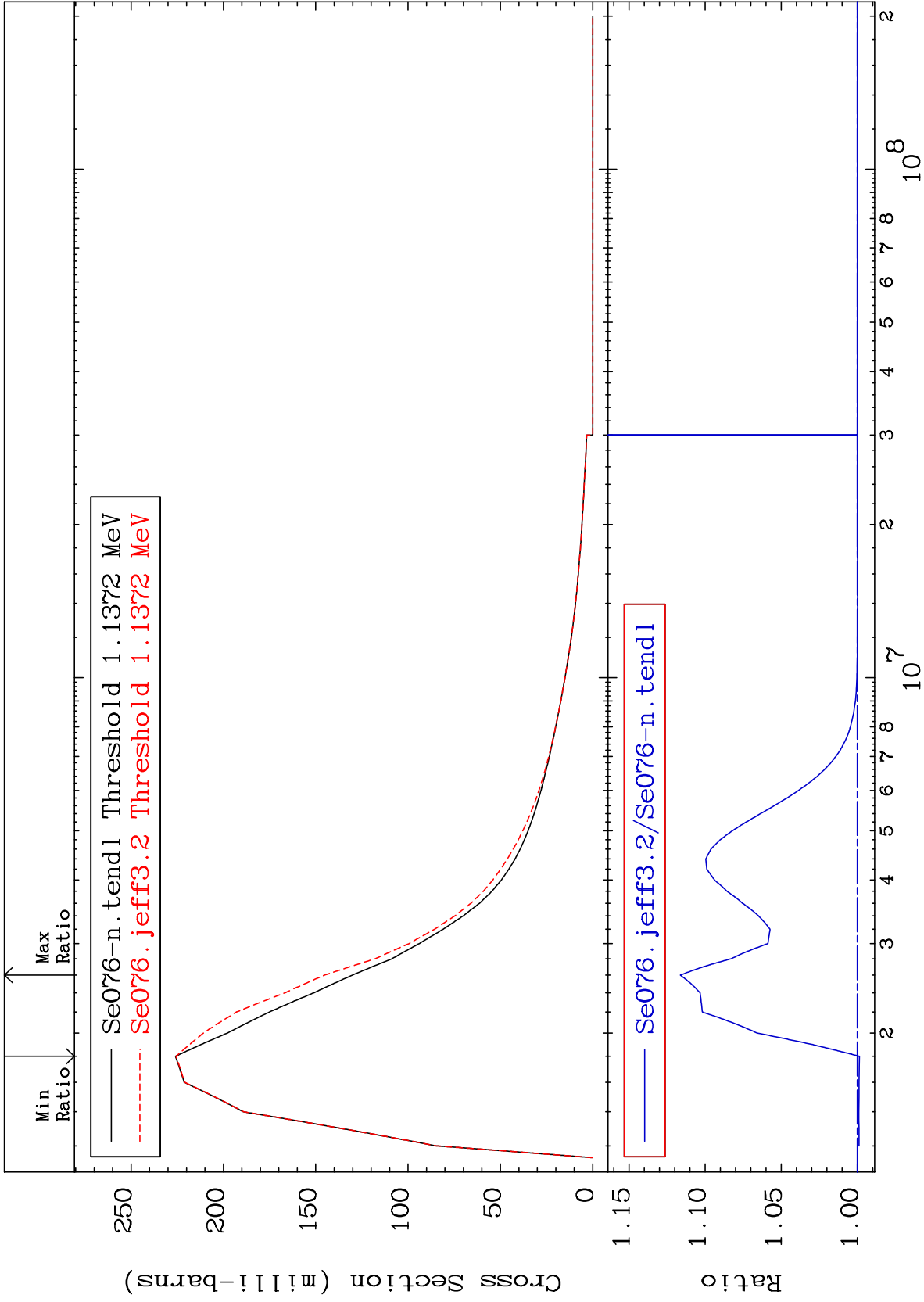
³⁴Se-76
-0.177 To 10.53 %



MAT 3431

1.122 MeV (n,n') Level
Cross Section

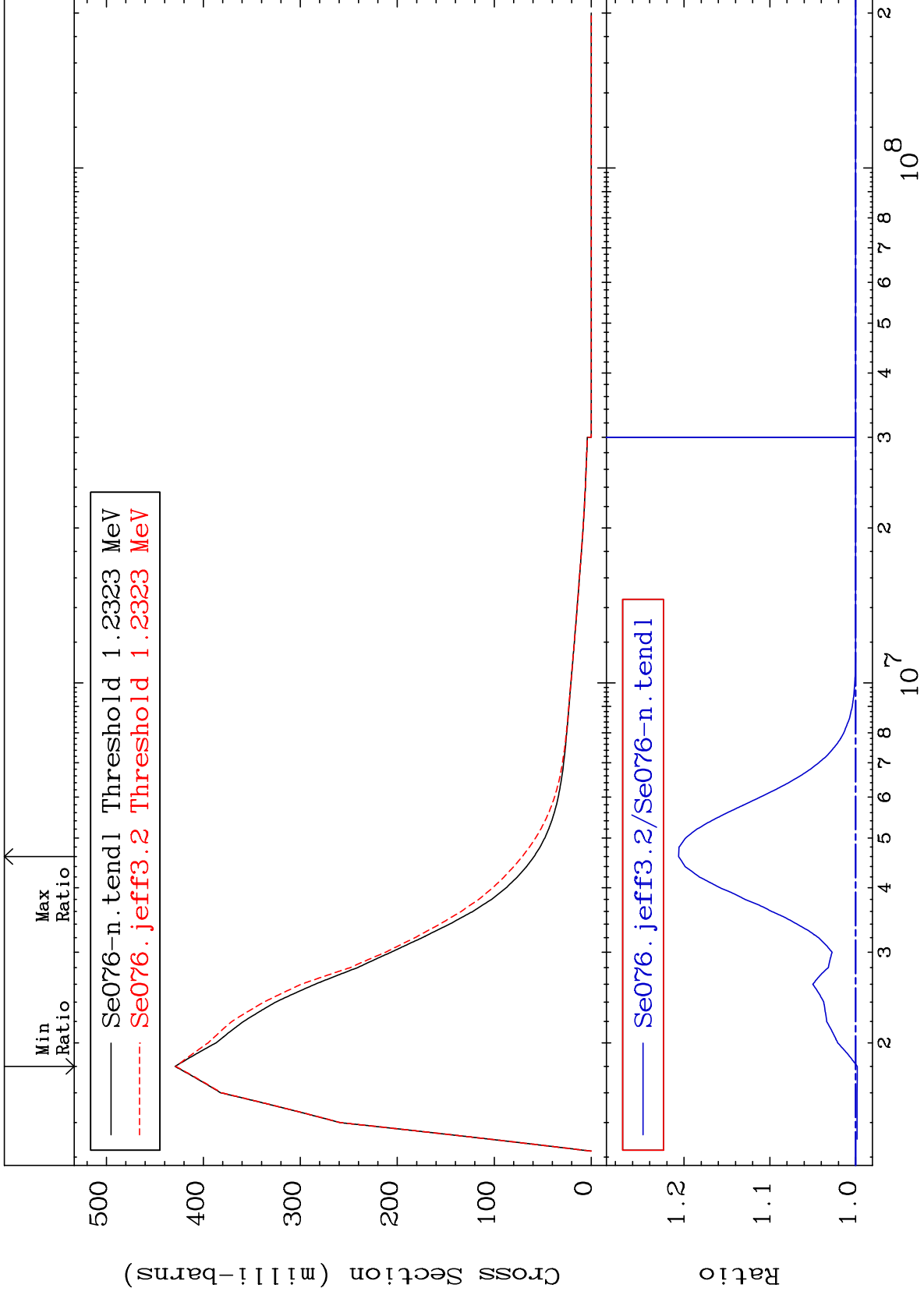
³⁴Se-76
-0.131 To 11.63 %



MAT 3431

1.216 MeV (n,n') Level
Cross Section

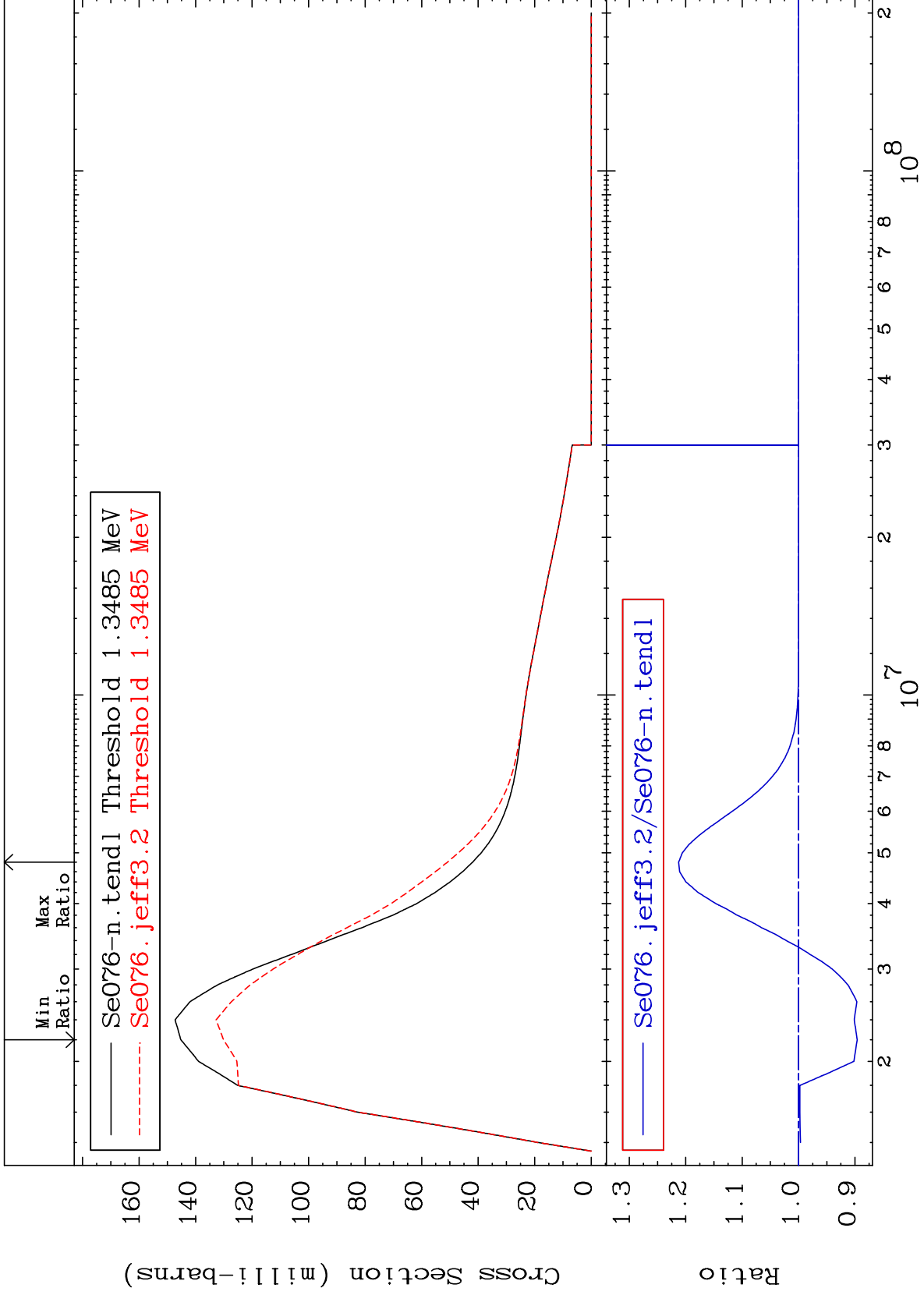
³⁴Se-76
-0.188 To 20.63 %



MAT 3431

1.331 MeV (n,n') Level
Cross Section

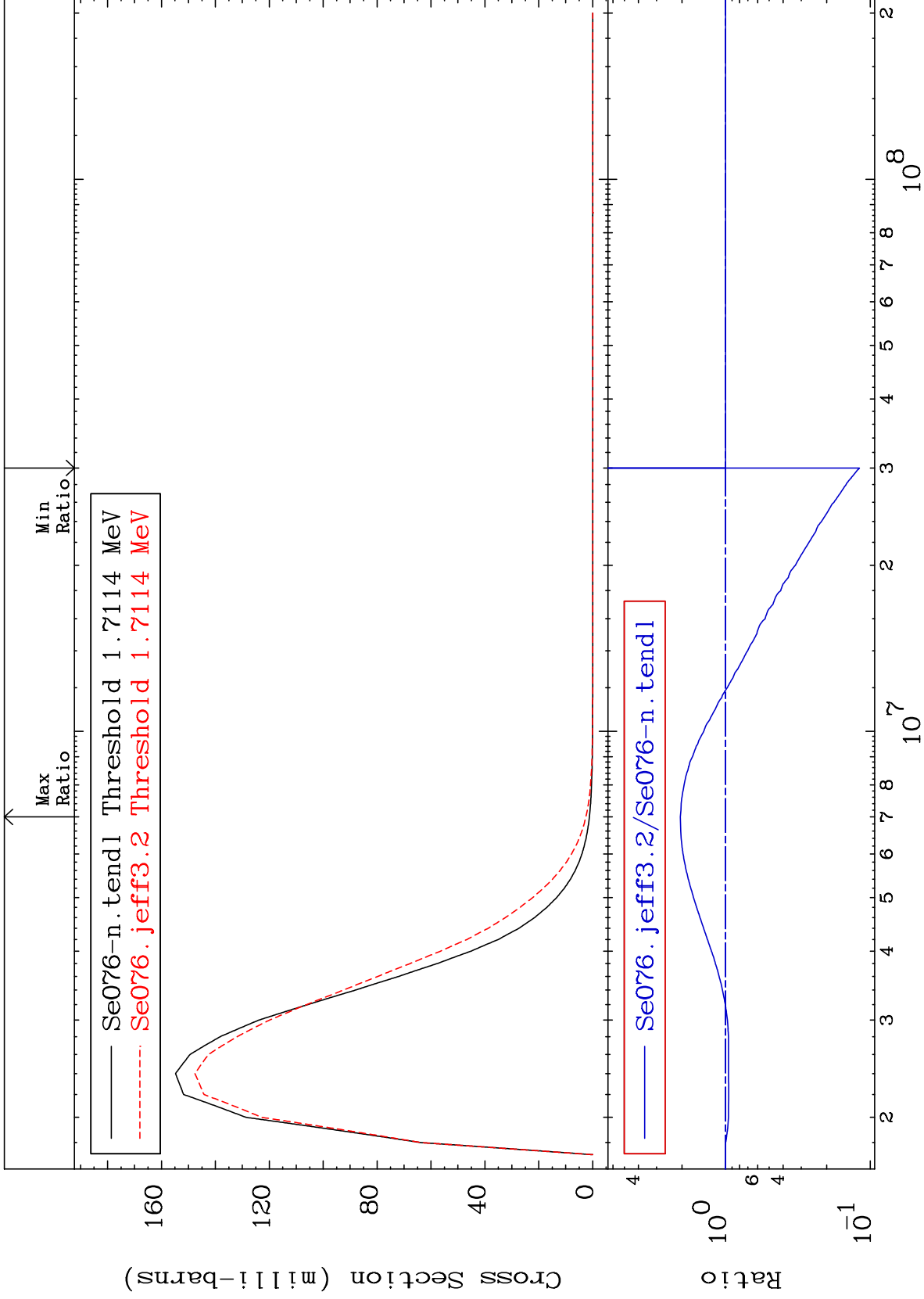
³⁴Se-76
-10.40 To 21.26 %



MAT 3431

1.689 MeV (n,n') Level
Cross Section

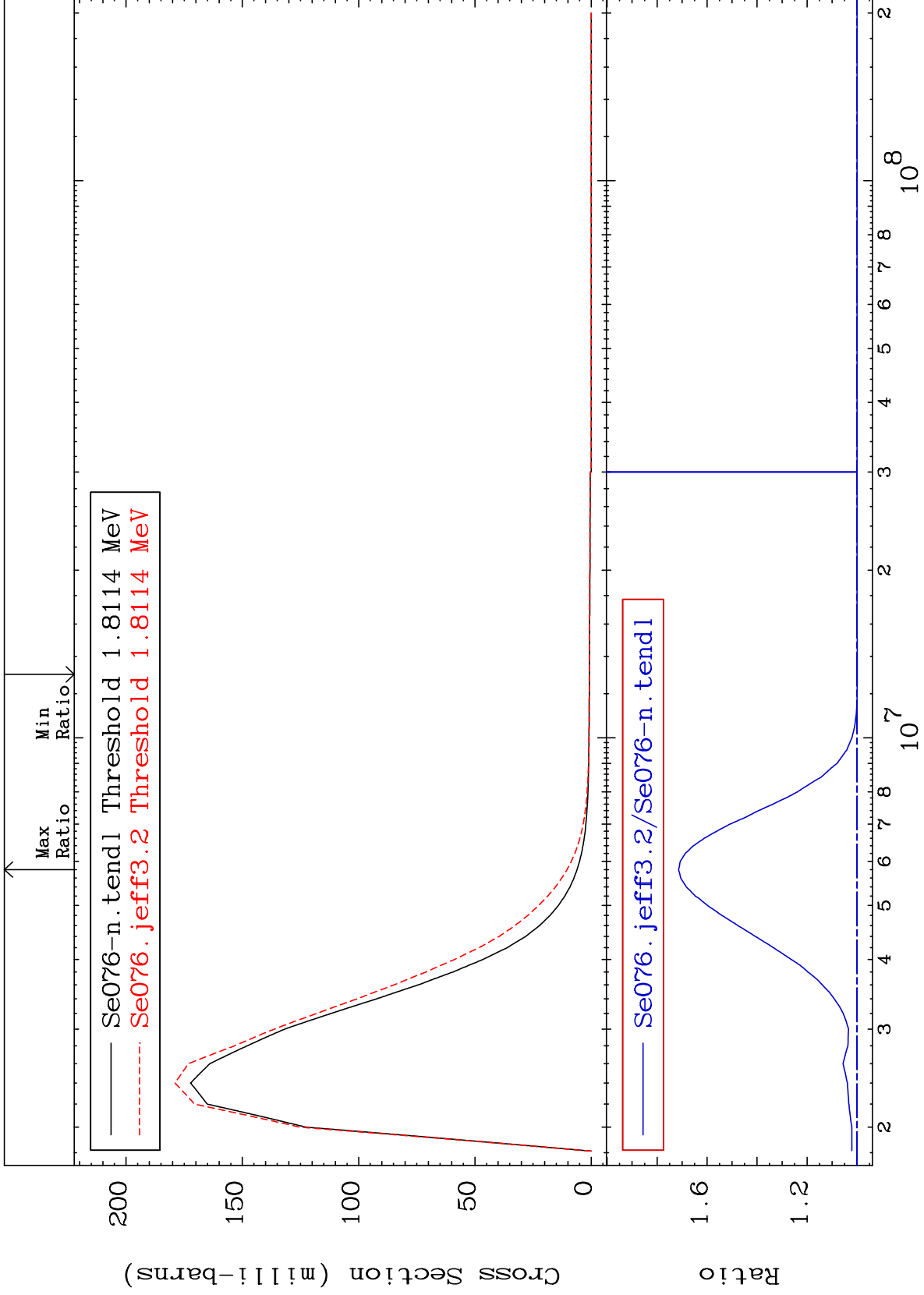
³⁴Se-76
-88.13 To 105.1 %



MAT 3431

1.788 MeV (n,n') Level
Cross Section

³⁴Se-76
-0.076 To 71.38 %



24

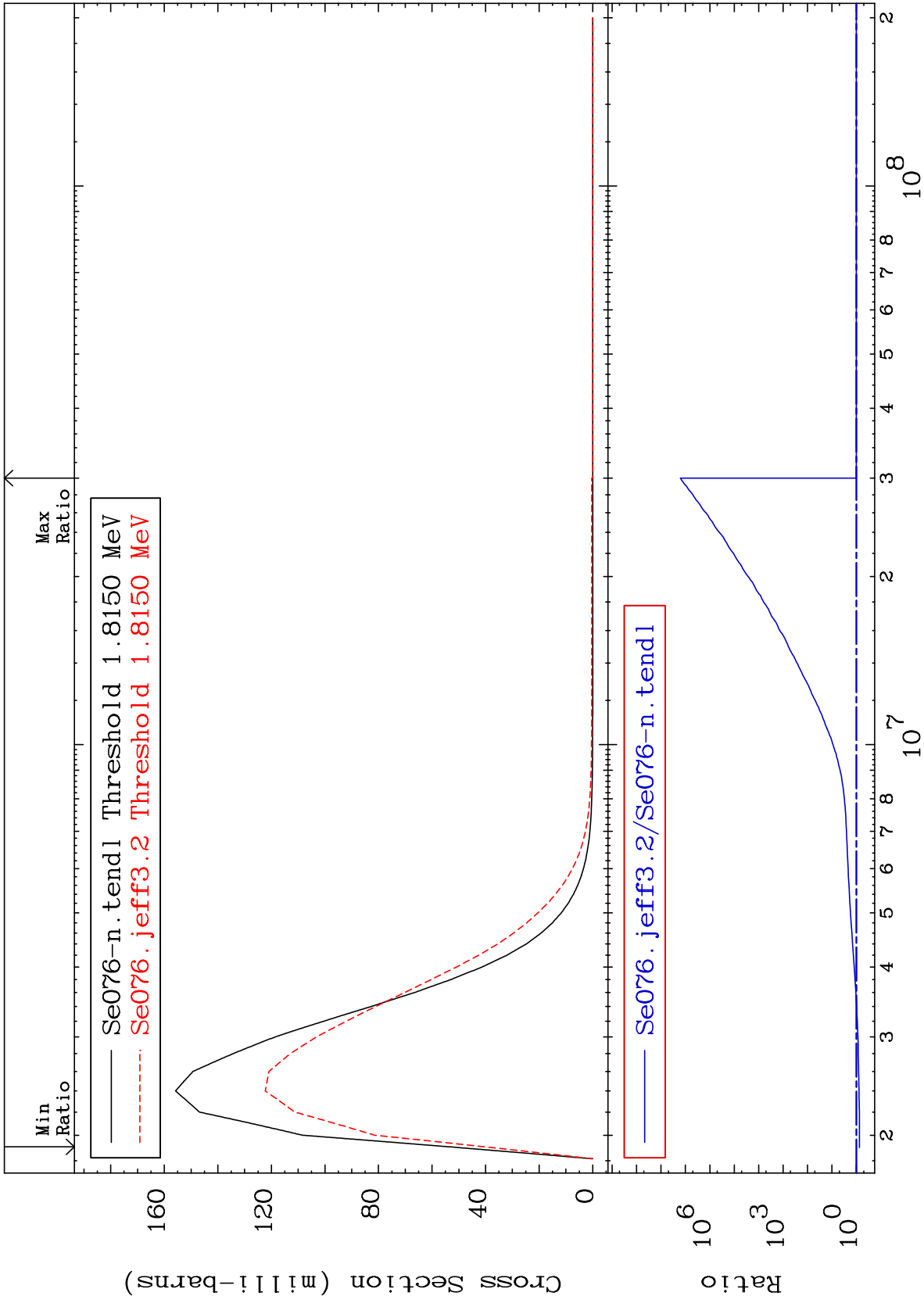
Incident Energy (eV)

³⁴Se-76

MAT 3431

1.791 MeV (n,n') Level
Cross Section

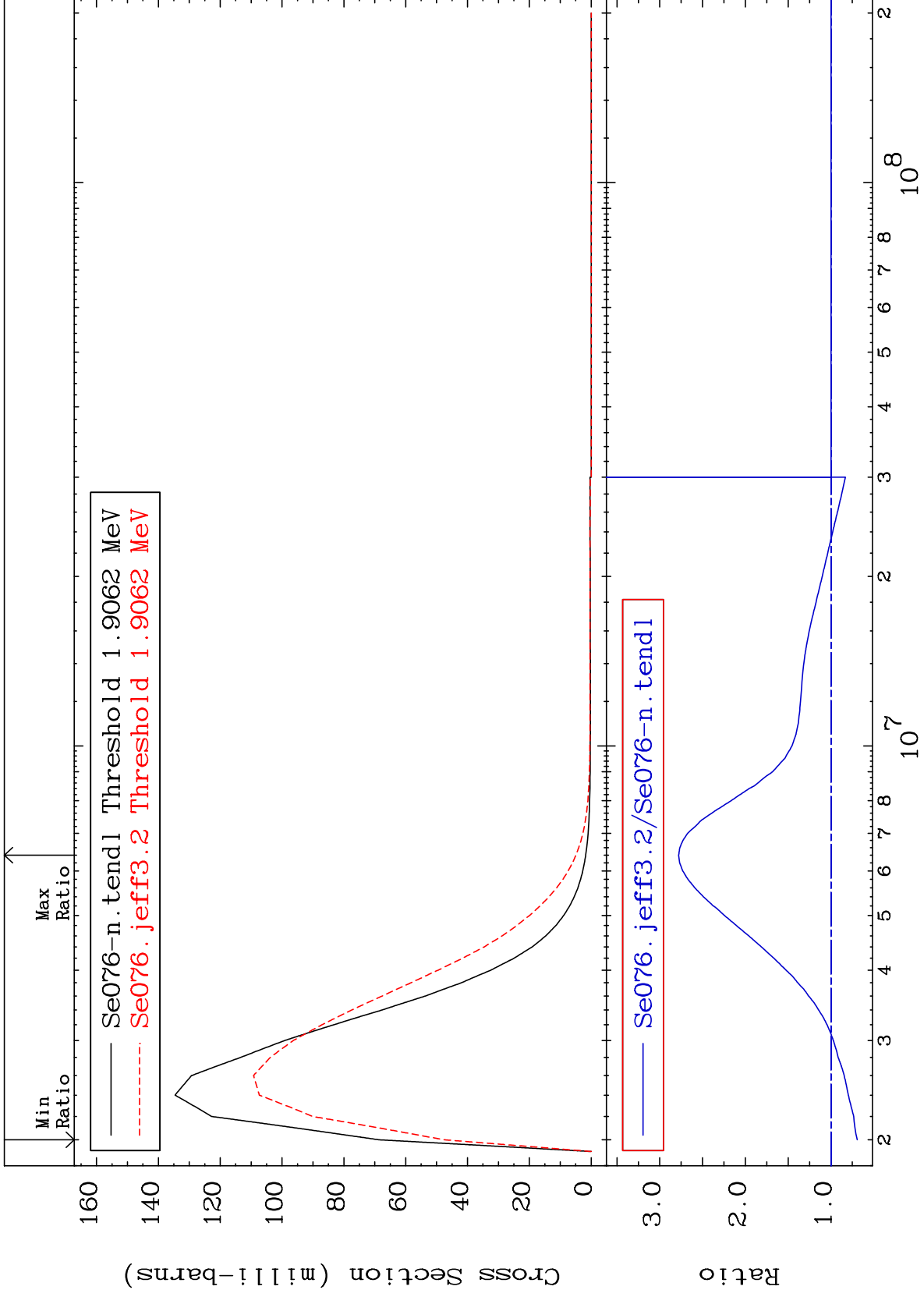
34-Se-76
-24.83 To 9999. %



MAT 3431

1.881 MeV (n,n') Level
Cross Section

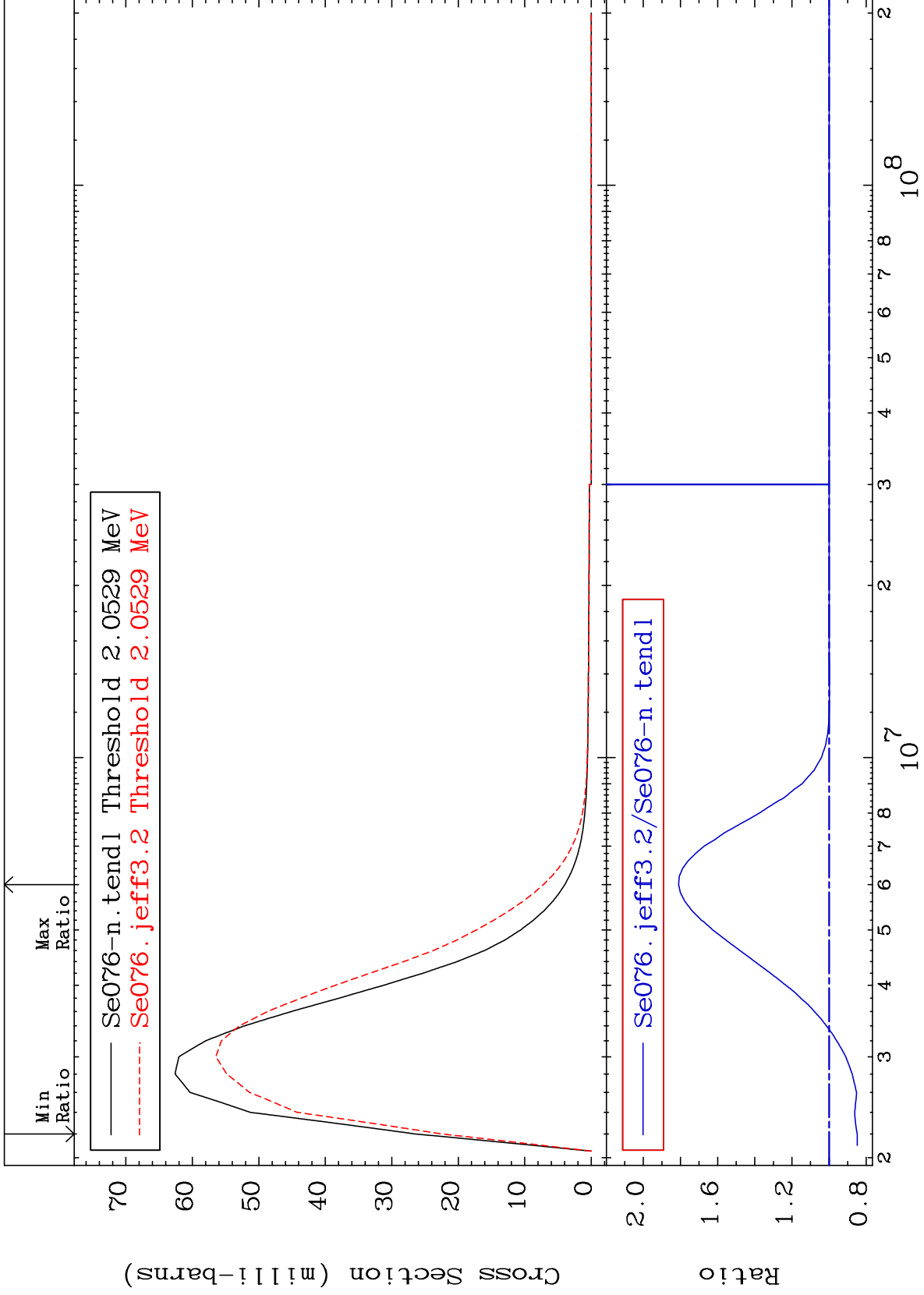
³⁴Se-76
-30.73 To 177.9 %



MAT 3431

2.026 MeV (n,n') Level
Cross Section

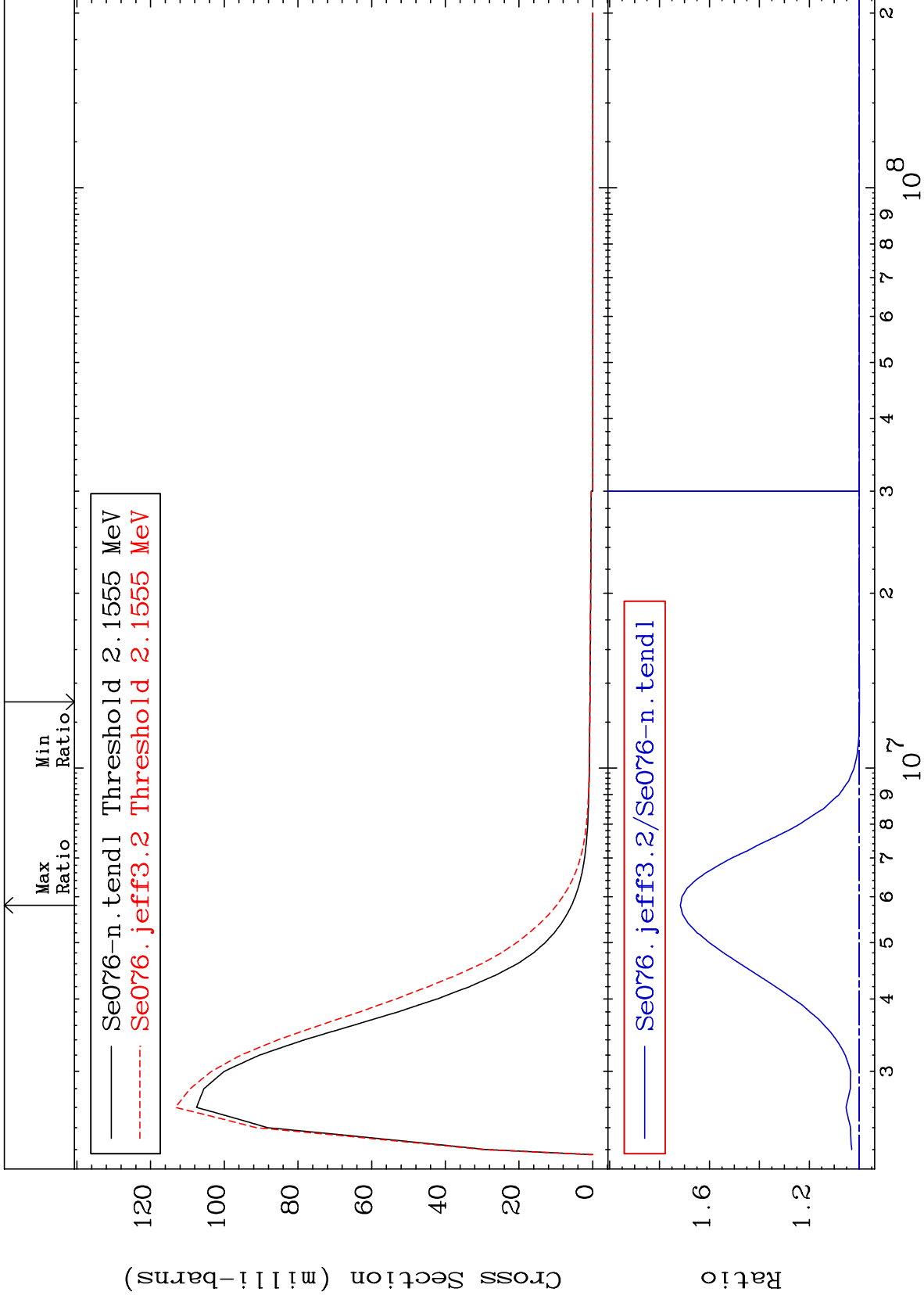
³⁴Se-76
-15.16 To 80.98 %



MAT 3431

2.127 MeV (n,n') Level
Cross Section

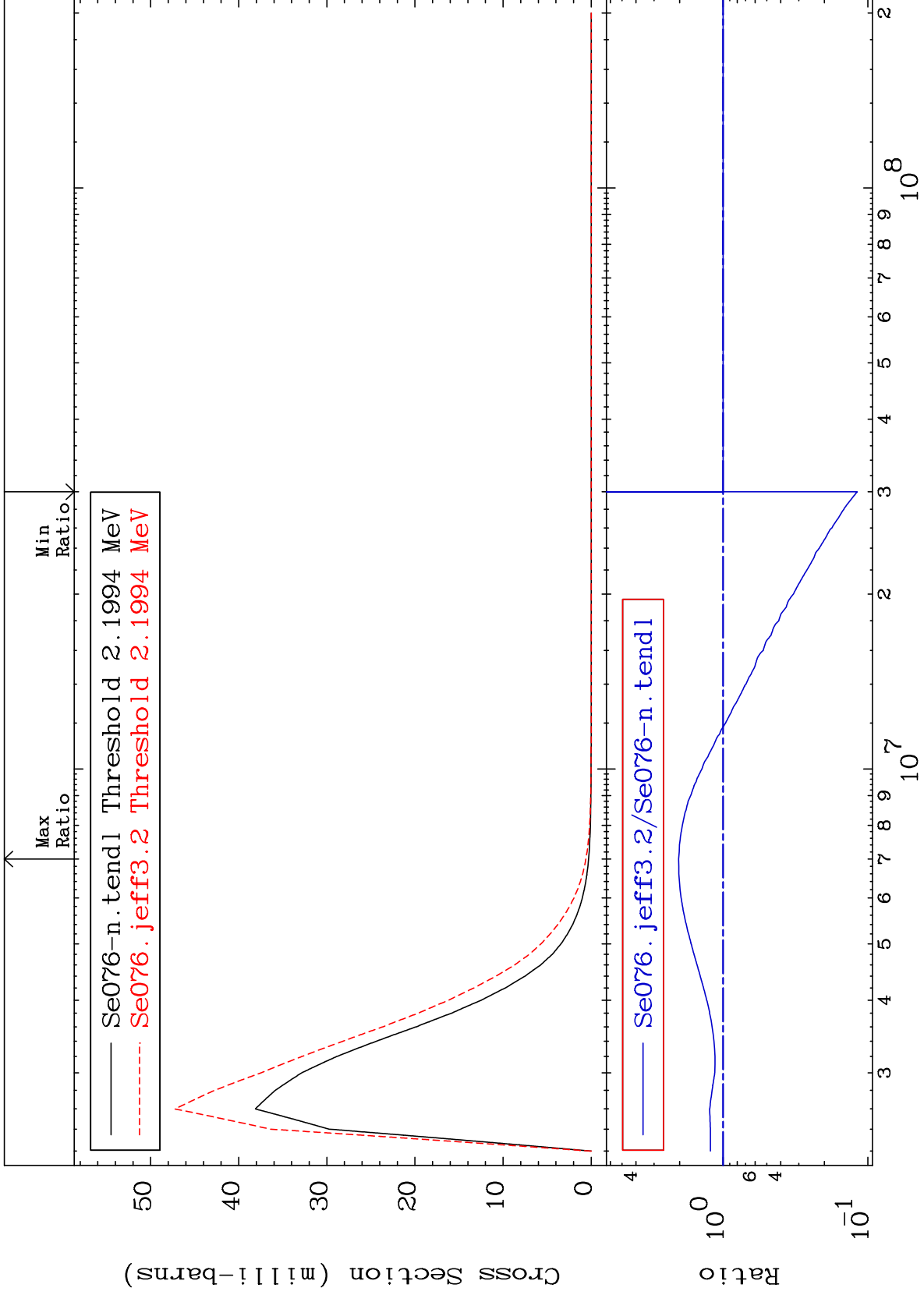
³⁴Se-76
-0.077 To 71.65 %



MAT 3431

2.171 MeV (n,n') Level
Cross Section

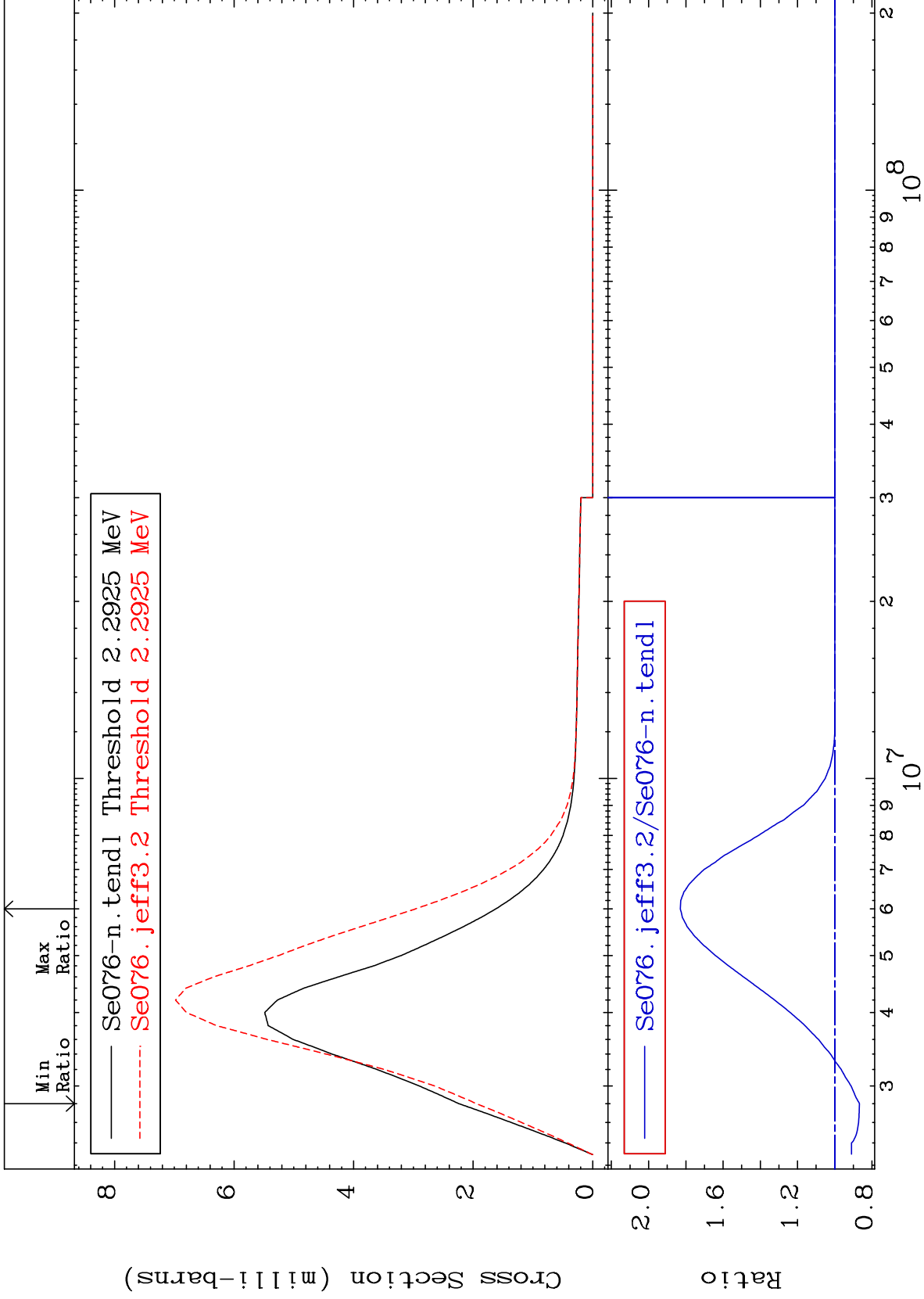
³⁴Se-76
-88.16 To 102.9 %



MAT 3431

2.262 MeV (n,n') Level
Cross Section

³⁴Se-76
-13.26 To 82.95 %



30

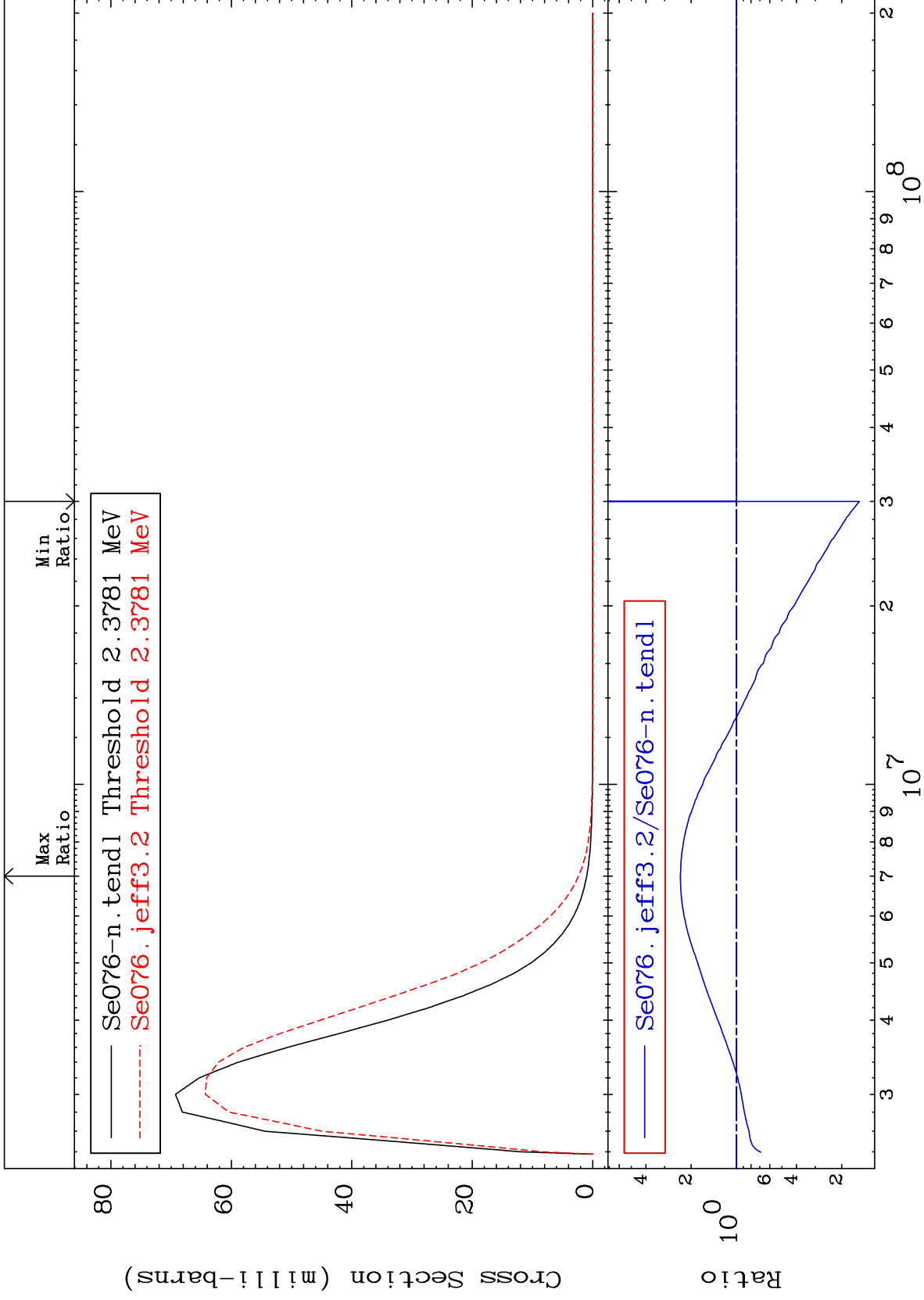
Incident Energy (eV)

³⁴Se-76

MAT 3431

2.347 MeV (n,n') Level
Cross Section

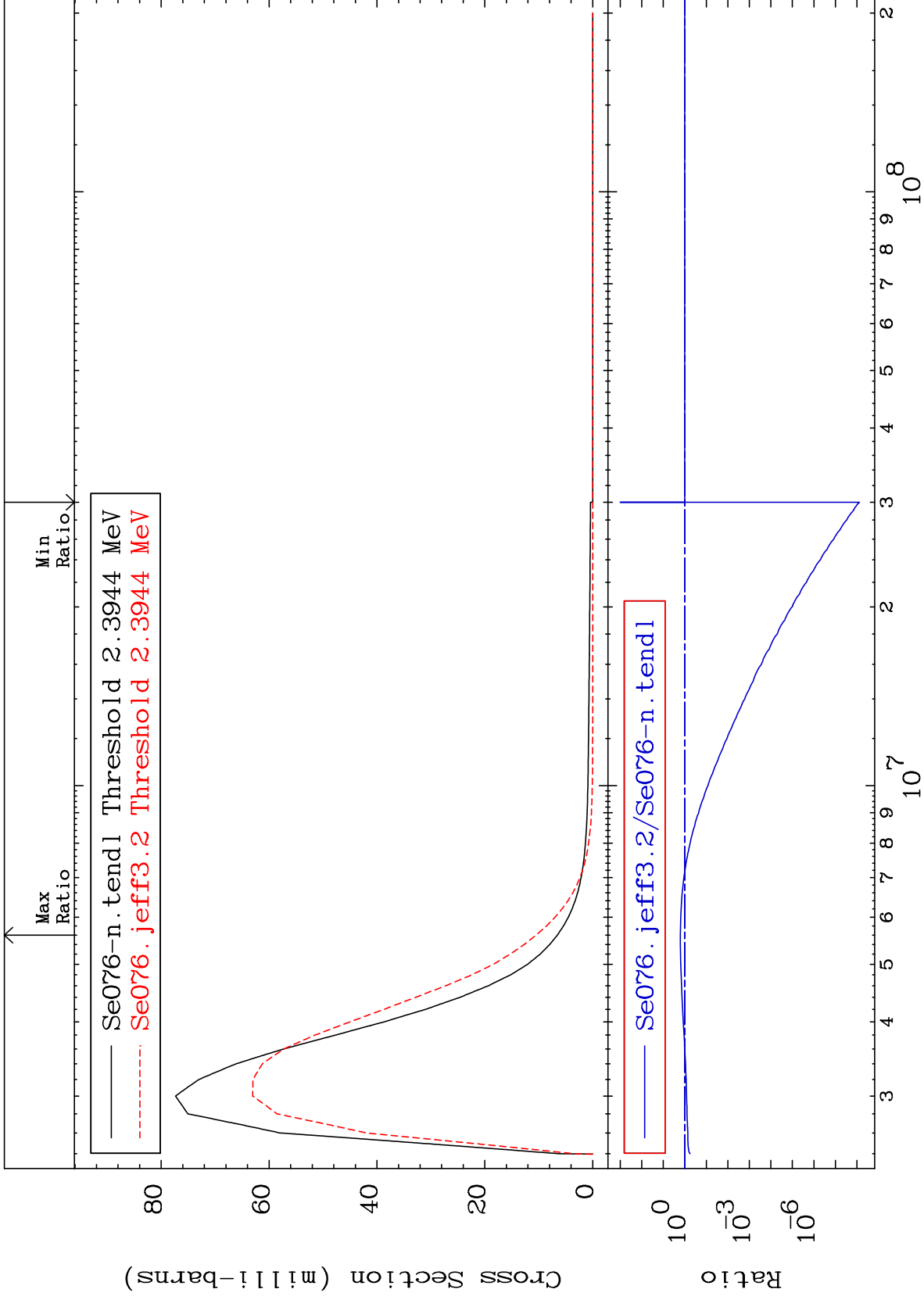
³⁴Se-76
-84.76 To 135.8 %



MAT 3431

2.363 MeV (n,n') Level
Cross Section

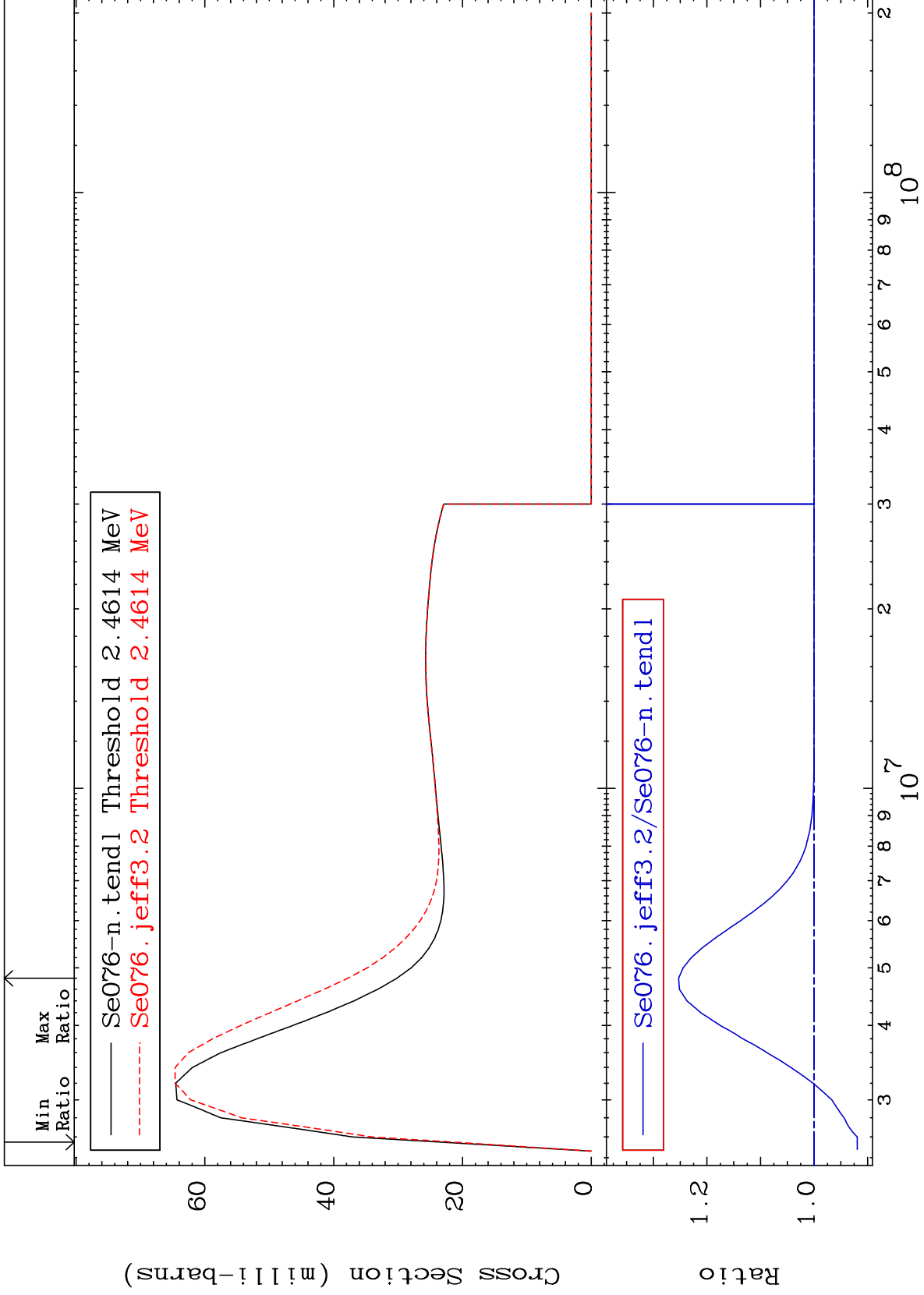
³⁴Se-76
-100.0 To 59.96 %



MAT 3431

2.429 MeV (n,n') Level
Cross Section

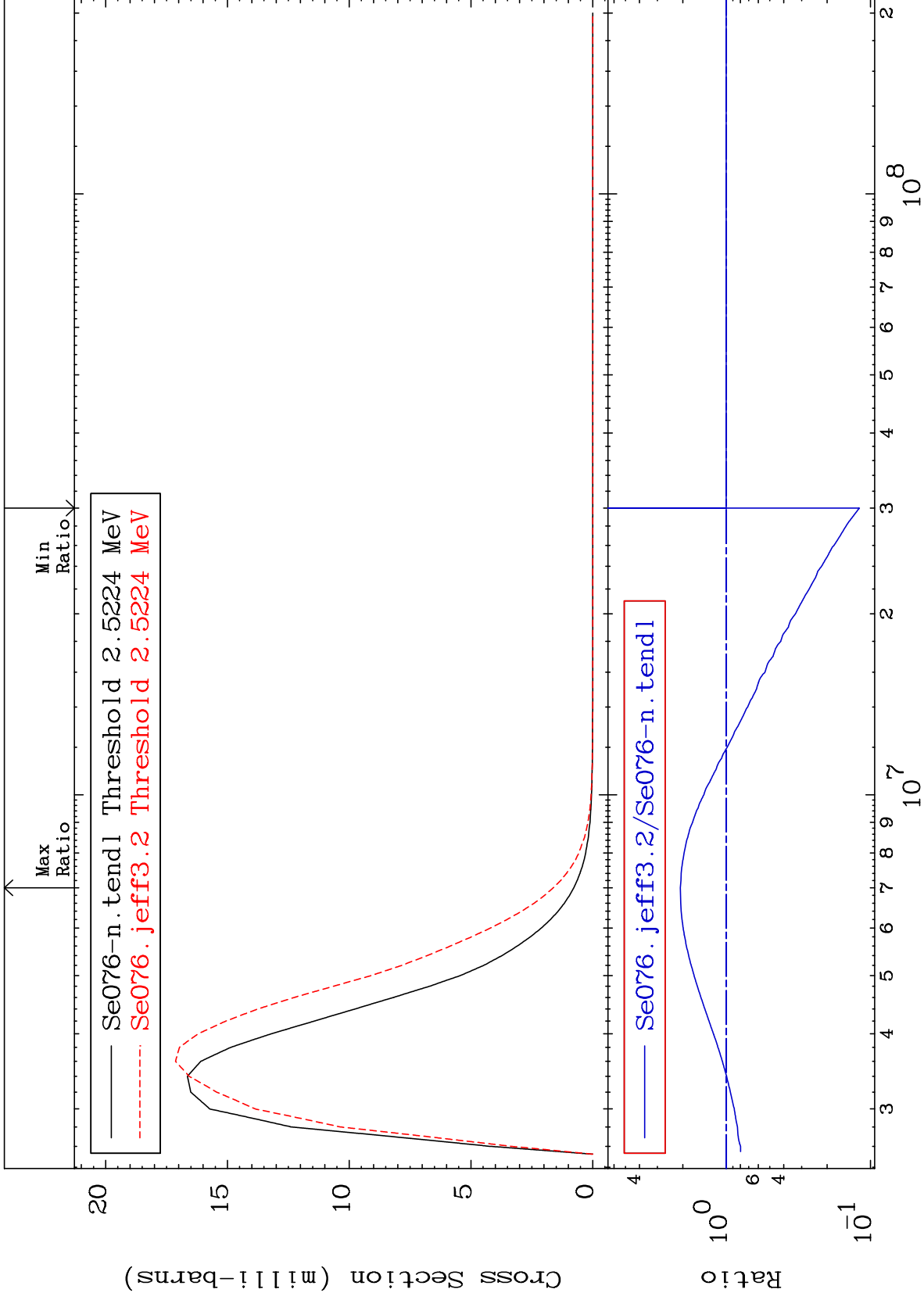
³⁴Se-76
-8.075 To 25.30 %



MAT 3431

2.489 MeV (n,n') Level
Cross Section

³⁴Se-76
-88.06 To 108.1 %



34

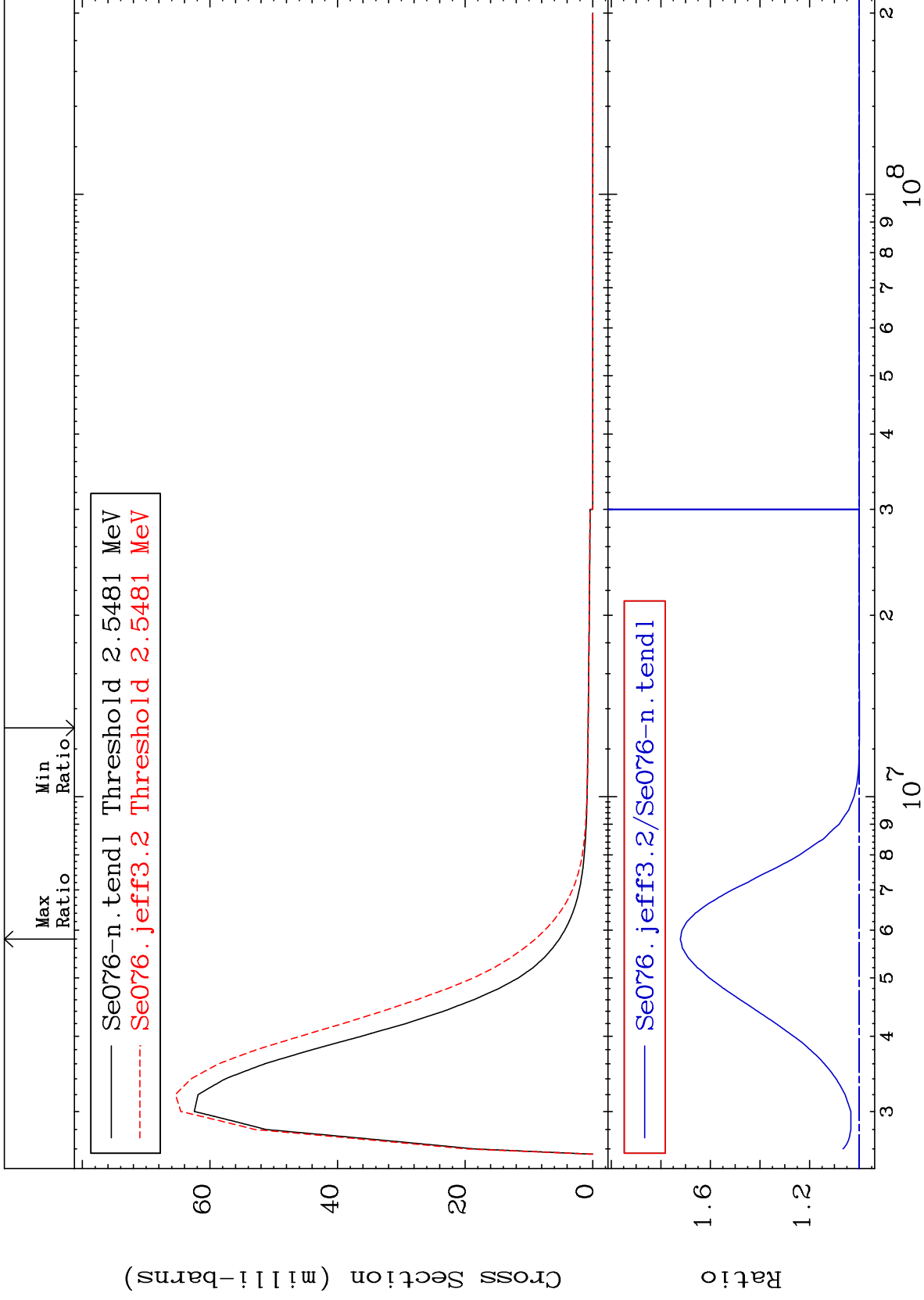
Incident Energy (eV)

³⁴Se-76

MAT 3431

2.515 MeV (n,n') Level
Cross Section

³⁴Se-76
-0.078 To 72.12 %



35

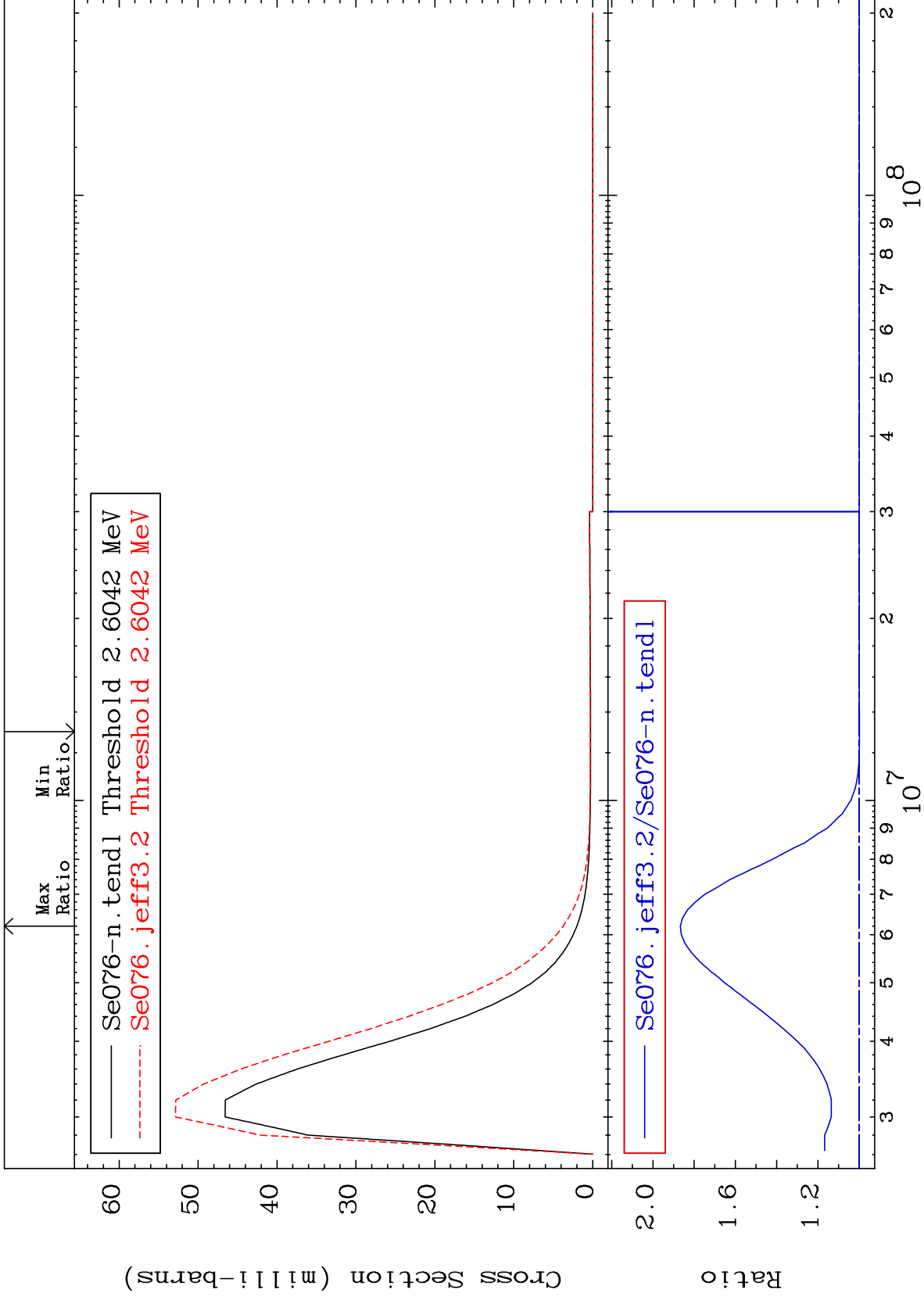
Incident Energy (eV)

³⁴Se-76

MAT 3431

2.570 MeV (n,n') Level
Cross Section

³⁴Se-76
-0.137 To 86.69 %



36

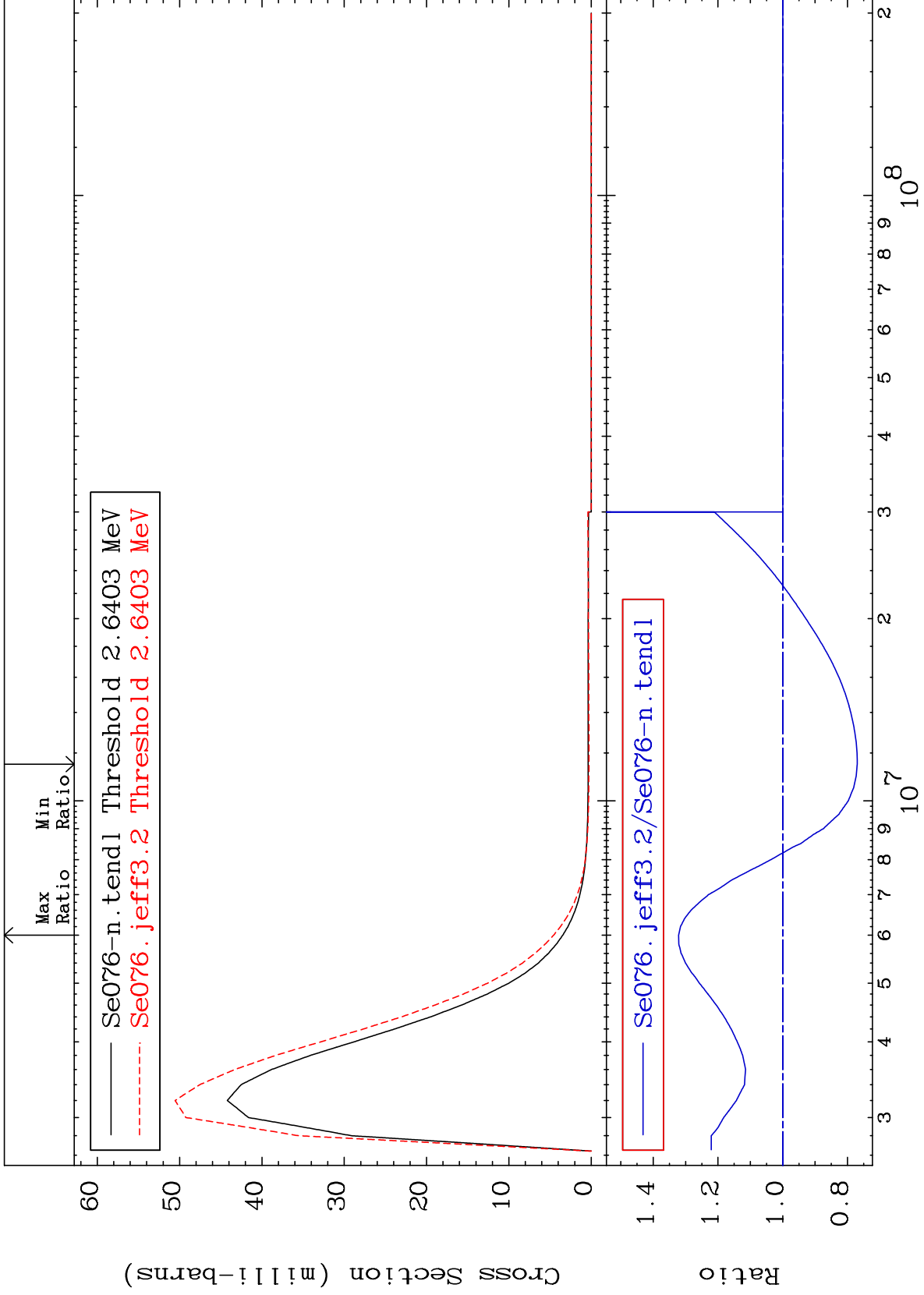
Incident Energy (eV)

³⁴Se-76

MAT 3431

2.606 MeV (n,n') Level
Cross Section

³⁴Se-76
-23.01 To 32.16 %



37

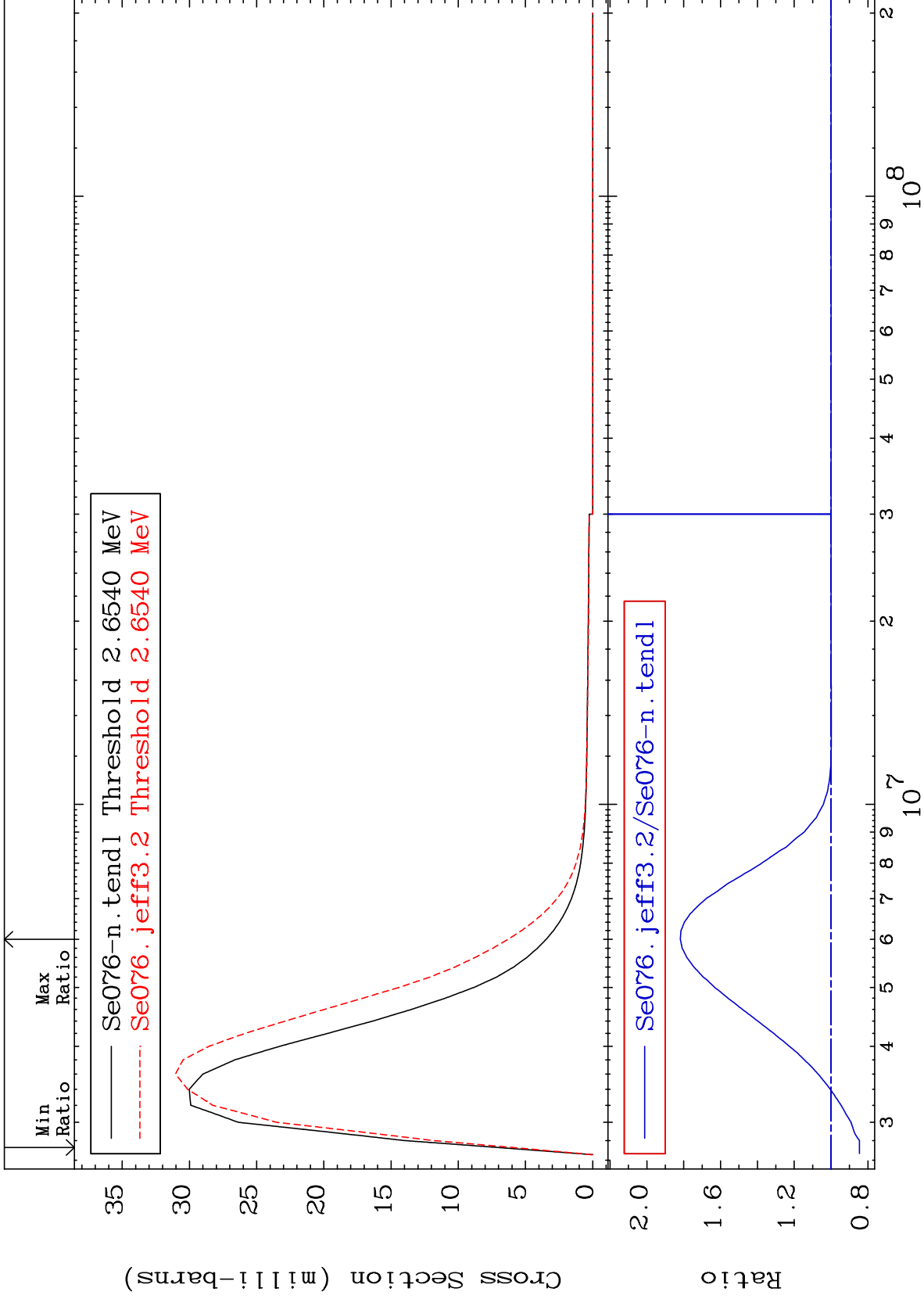
Incident Energy (eV)

³⁴Se-76

MAT 3431

2.619 MeV (n,n') Level
Cross Section

³⁴Se-76
-15.39 To 81.83 %



38

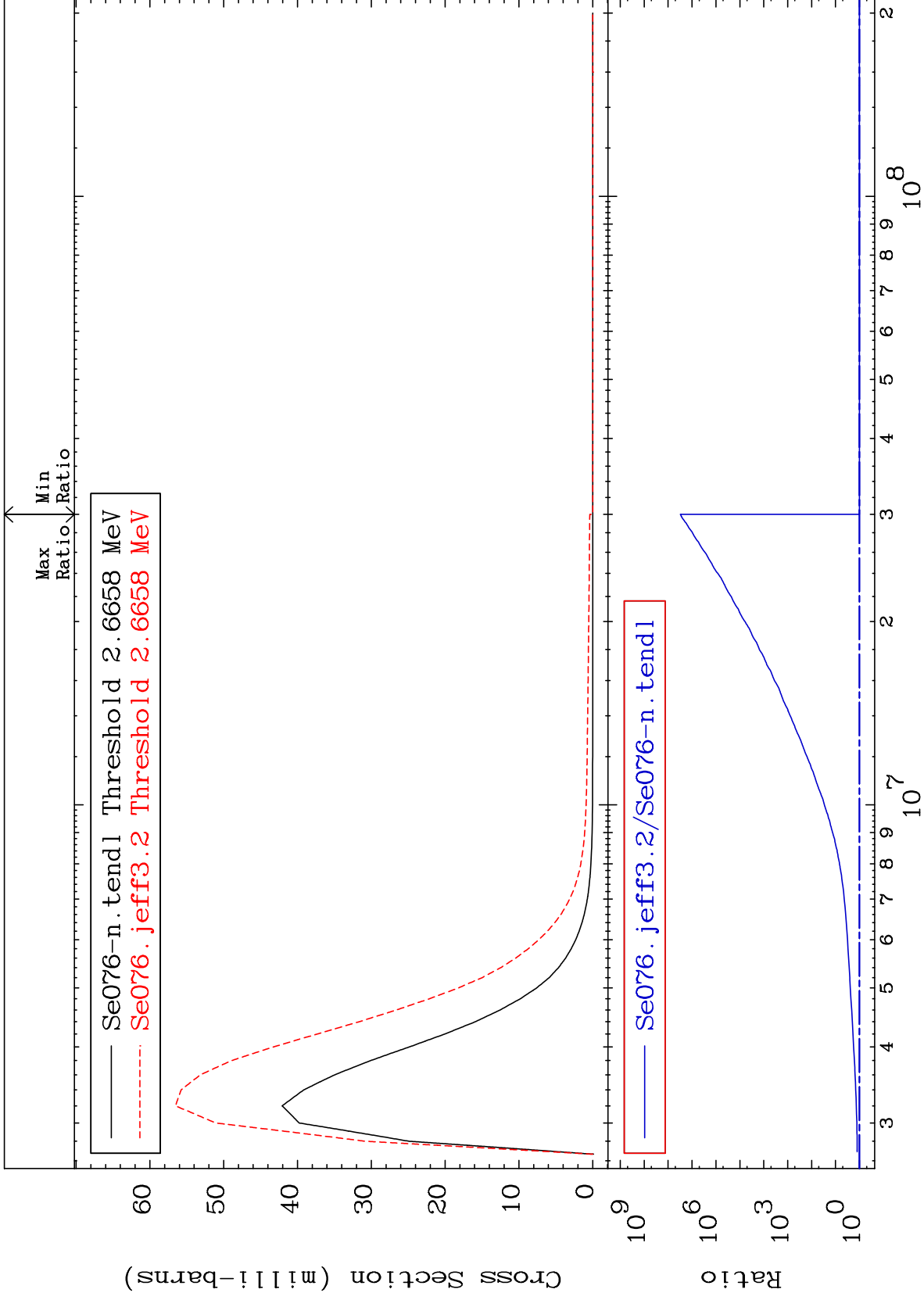
Incident Energy (eV)

³⁴Se-76

MAT 3431

2.631 MeV (n,n') Level
Cross Section

34-Se-76
To 9999. %
0.000



39

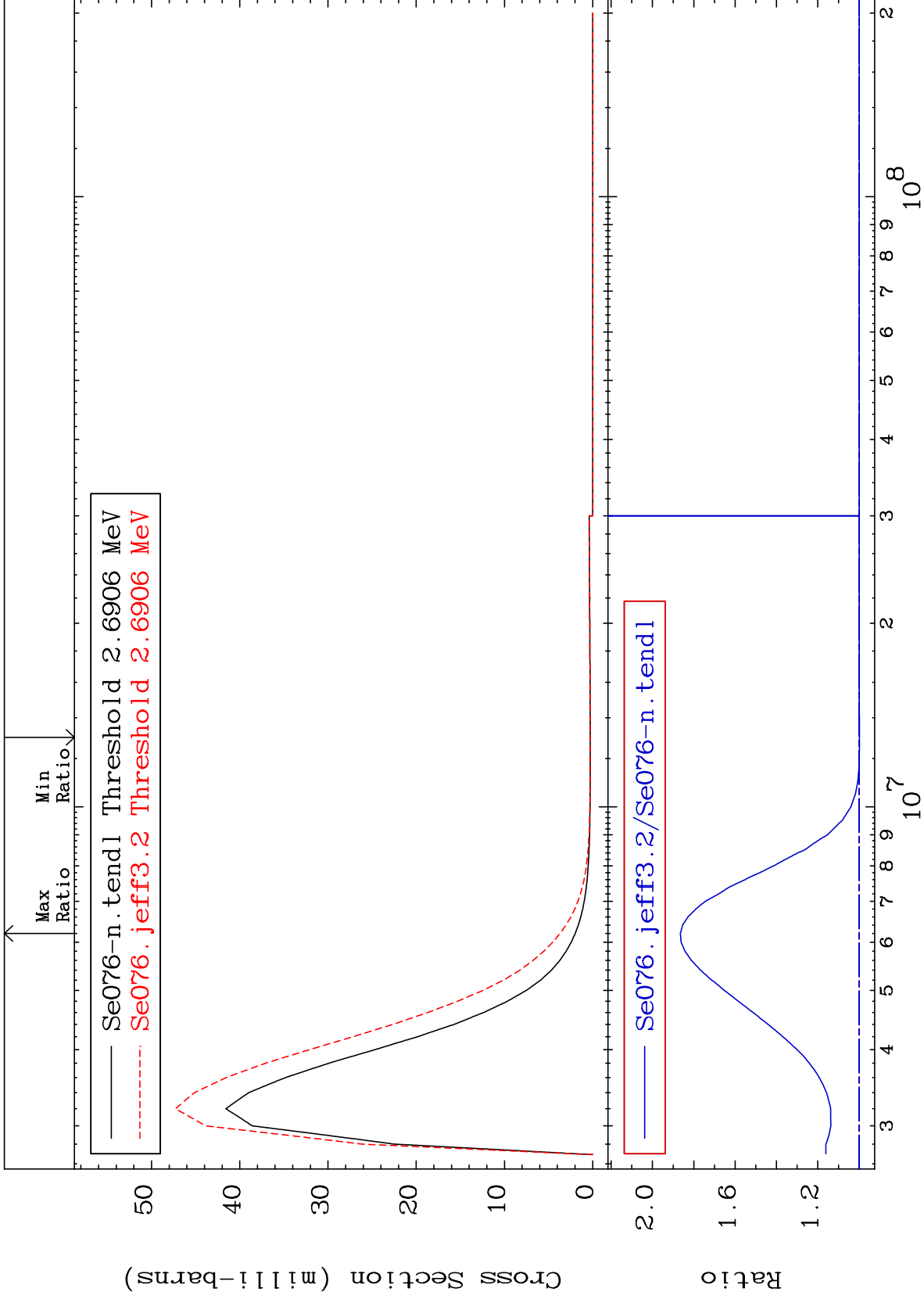
Incident Energy (eV)

34-Se-76

MAT 3431

2.655 MeV (n,n') Level
Cross Section

³⁴Se-76
-0.136 To 86.50 %



40

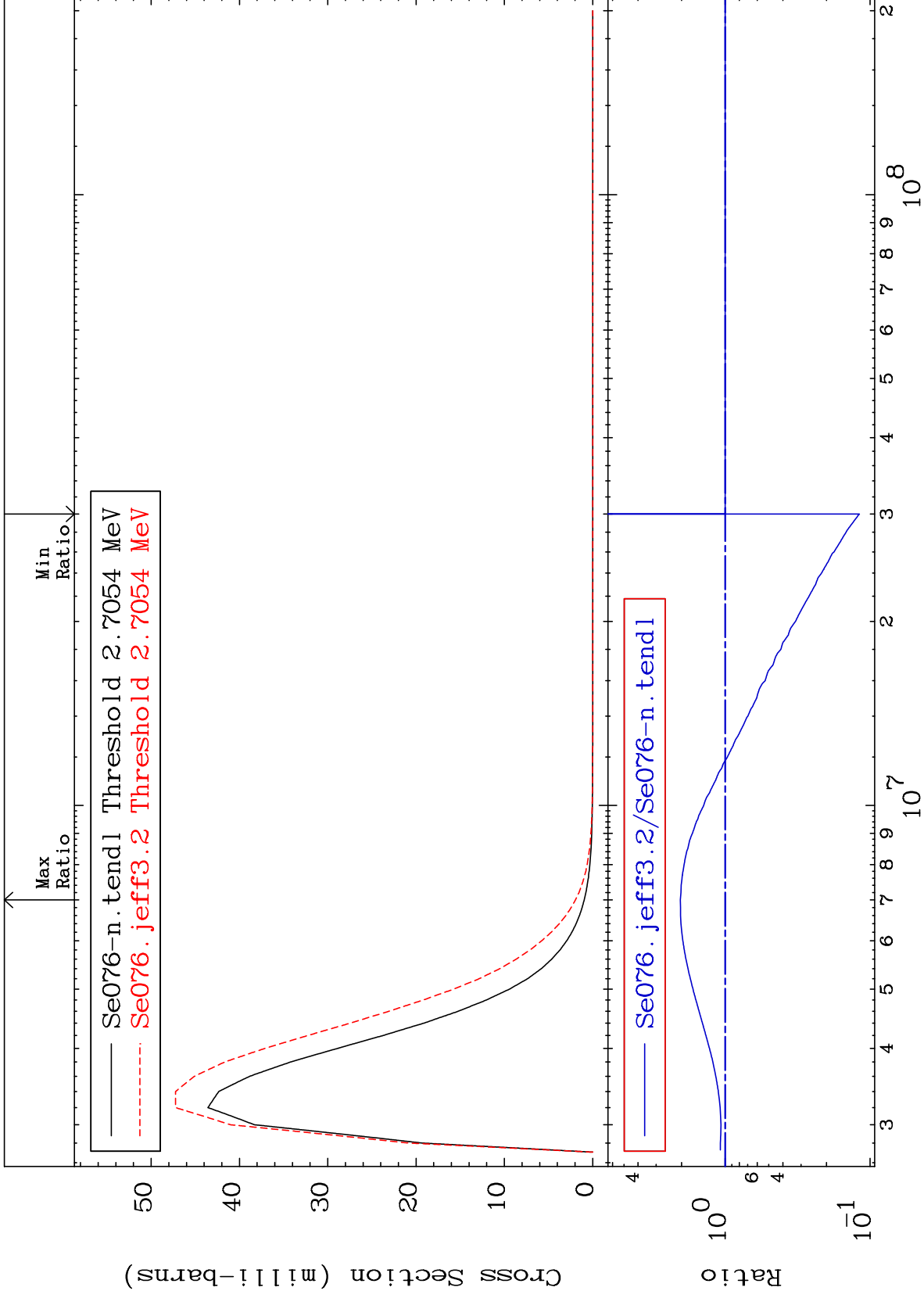
Incident Energy (eV)

³⁴Se-76

MAT 3431

2.670 MeV (n,n') Level
Cross Section

³⁴Se-76
-88.16 To 103.9 %



41

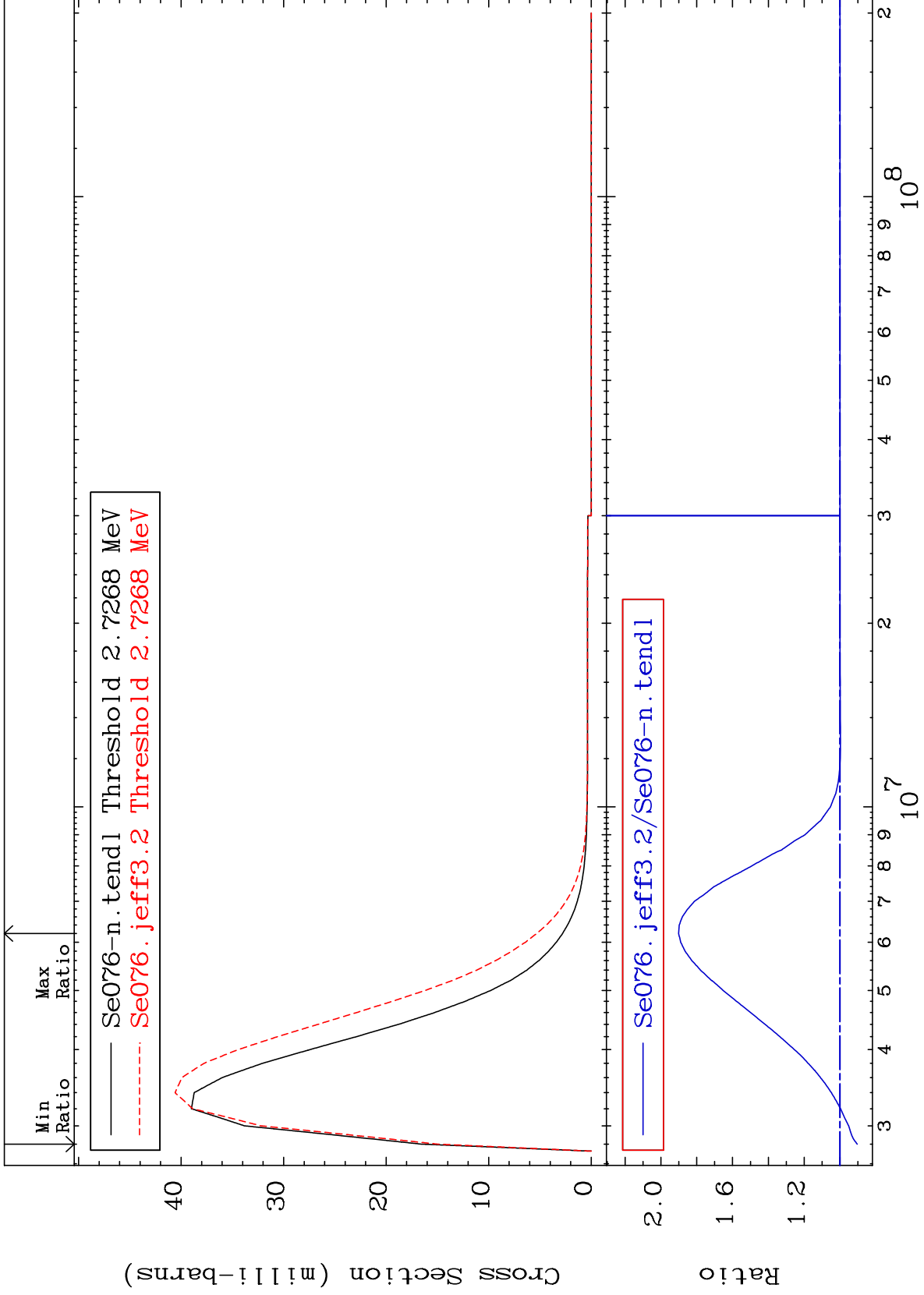
Incident Energy (eV)

³⁴Se-76

MAT 3431

2.691 MeV (n,n') Level
Cross Section

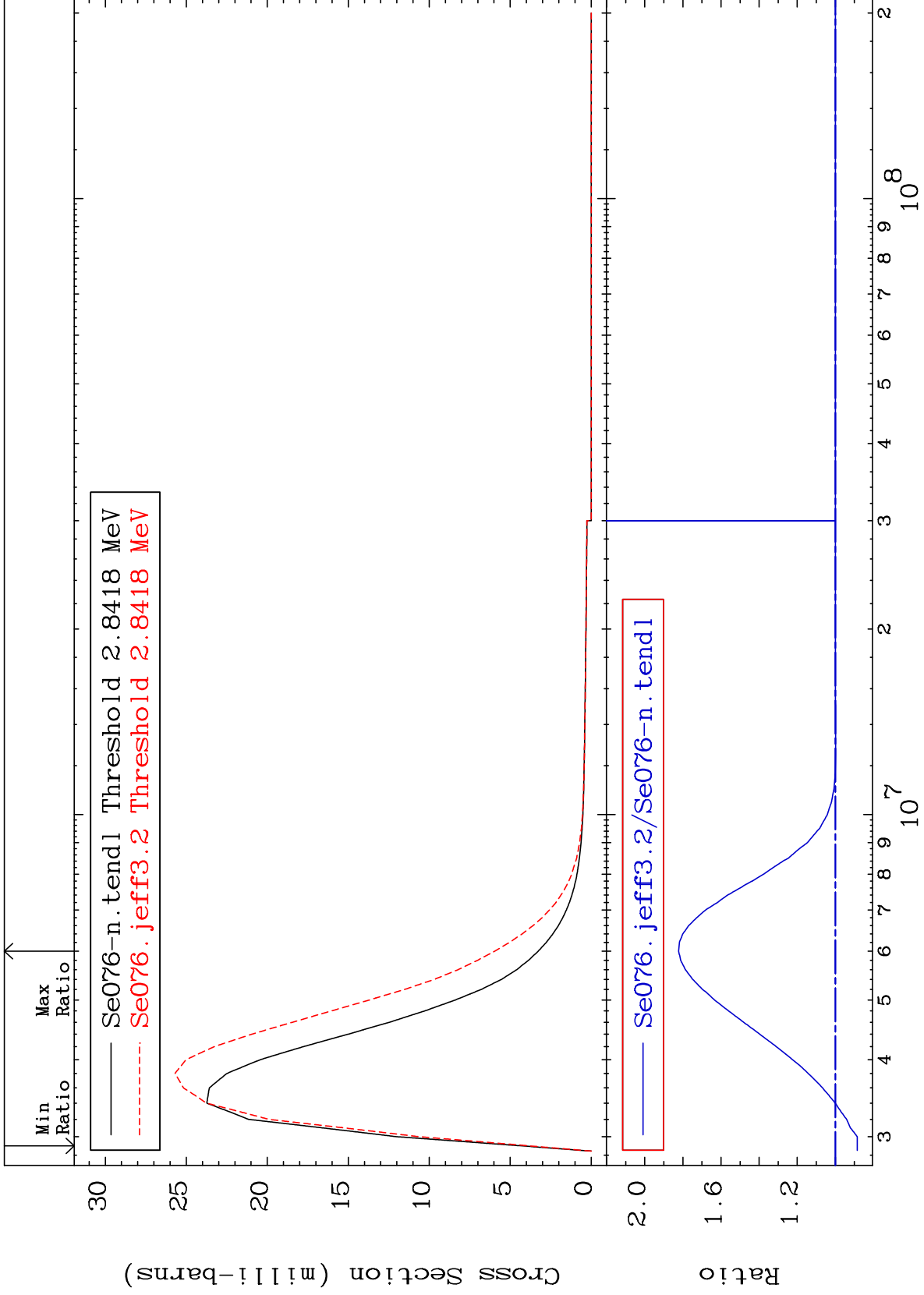
34-Se-76
-9.620 To 90.10 %



MAT 3431

2.805 MeV (n,n') Level
Cross Section

³⁴Se-76
-11.48 To 82.22 %



43

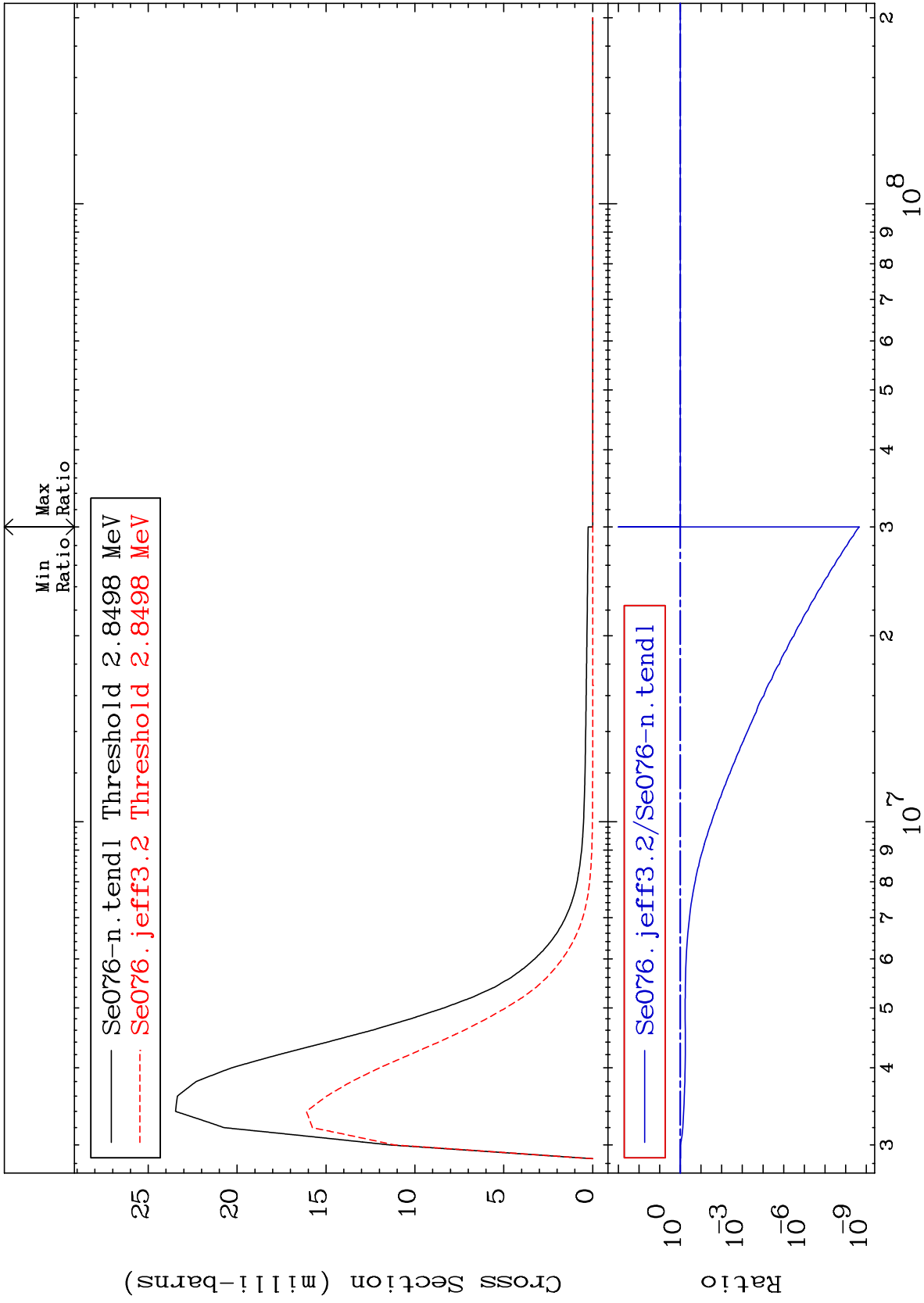
³⁴Se-76

MAT 3431

2.812 MeV (n,n') Level

³⁴Se-76

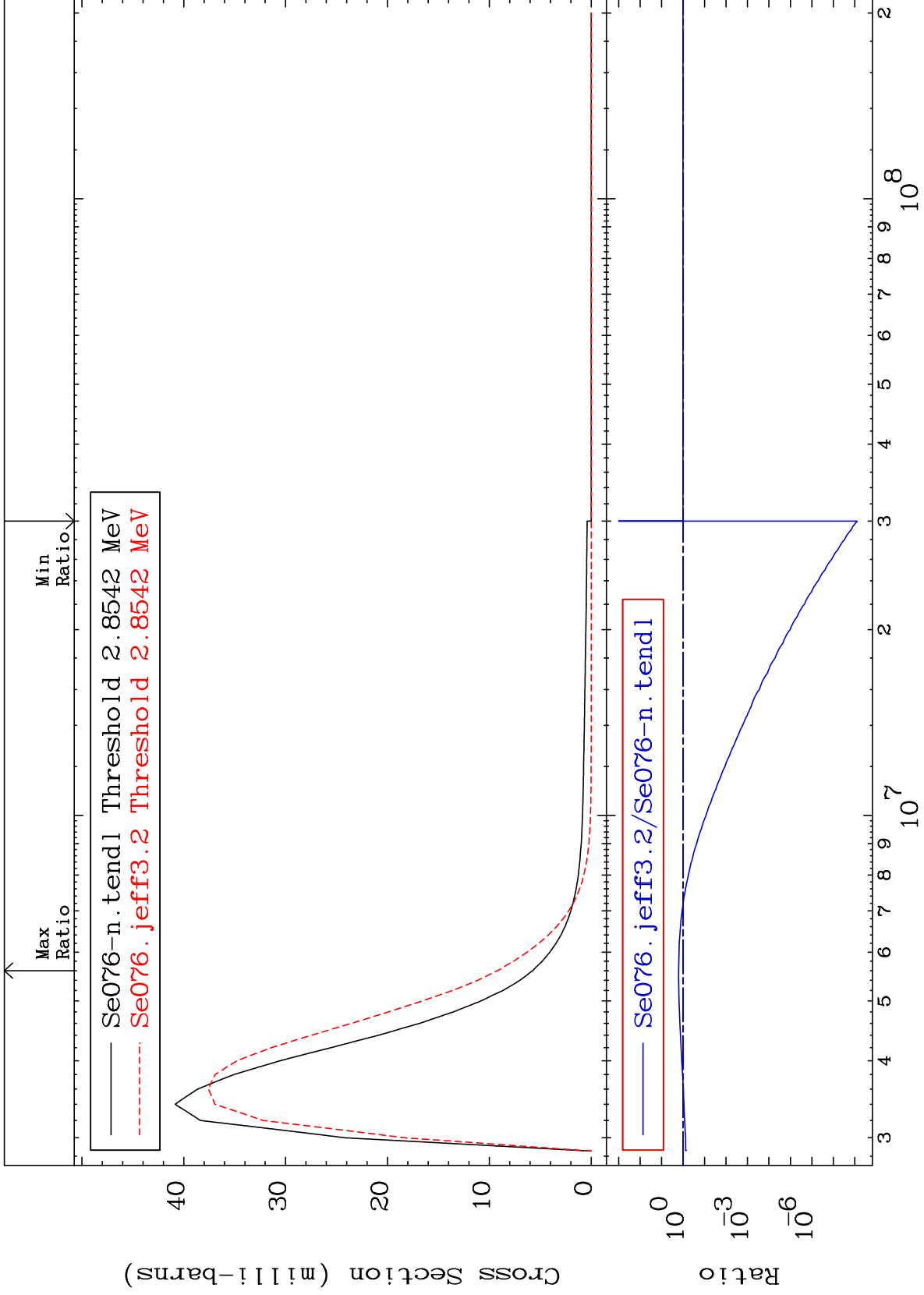
-100.0 To 0.000 %



MAT 3431

2.817 MeV (n,n') Level
Cross Section

34-Se-76
-100.0 To 59.94 %



45

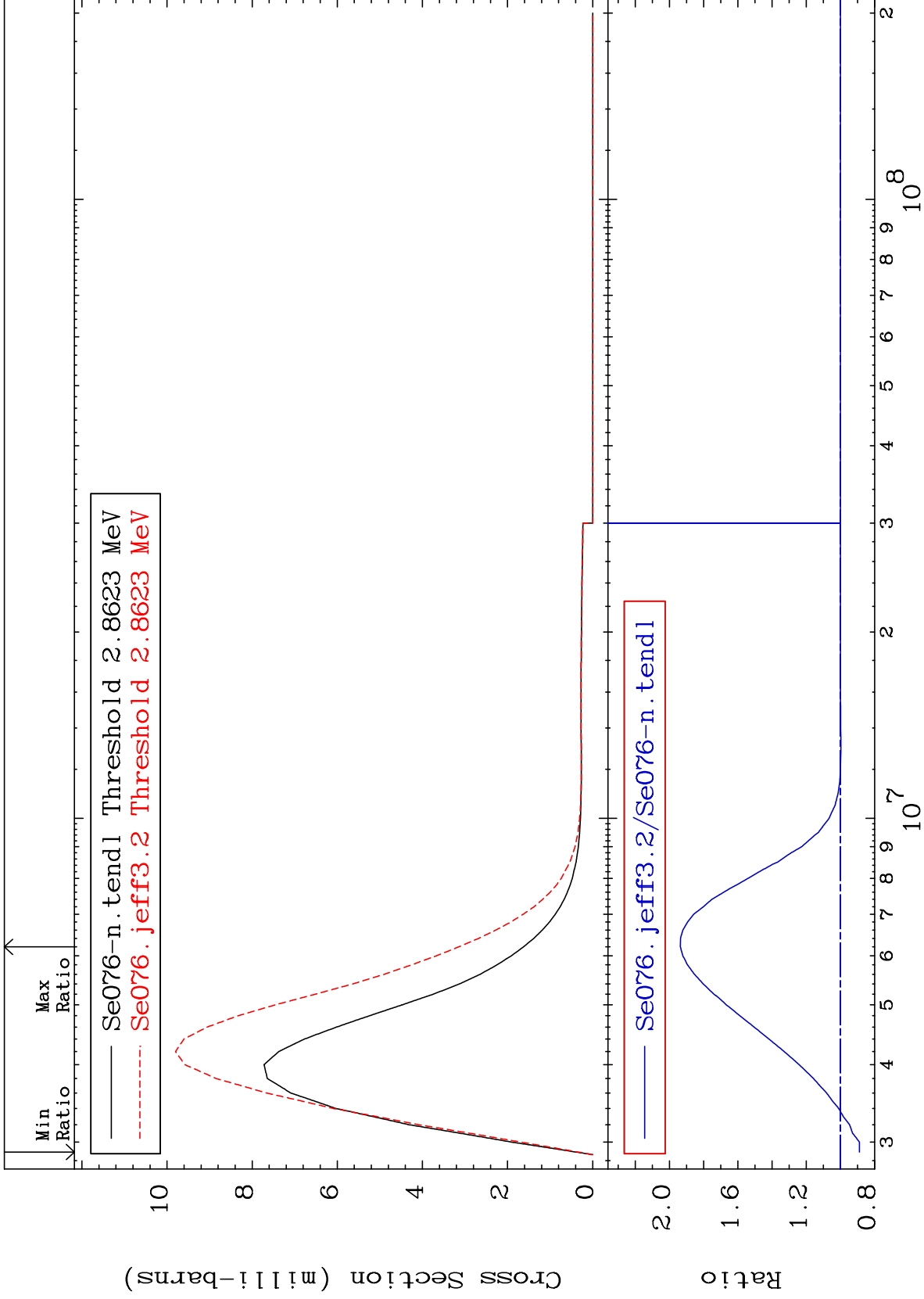
Incident Energy (eV)

34-Se-76

MAT 3431

2.825 MeV (n,n') Level
Cross Section

34-Se-76
-11.13 To 93.61 %



46

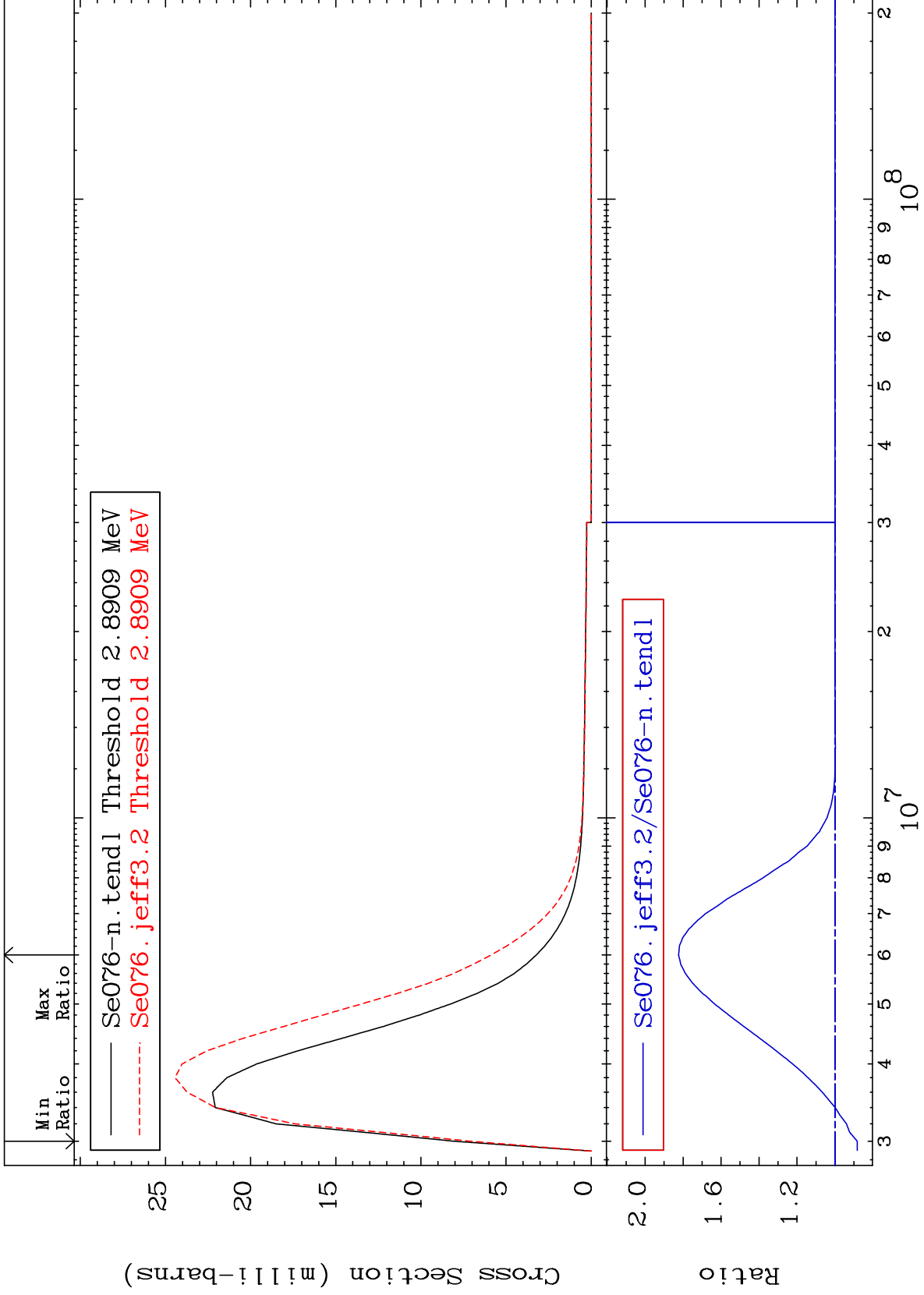
Incident Energy (eV)

34-Se-76

MAT 3431

2.853 MeV (n,n') Level
Cross Section

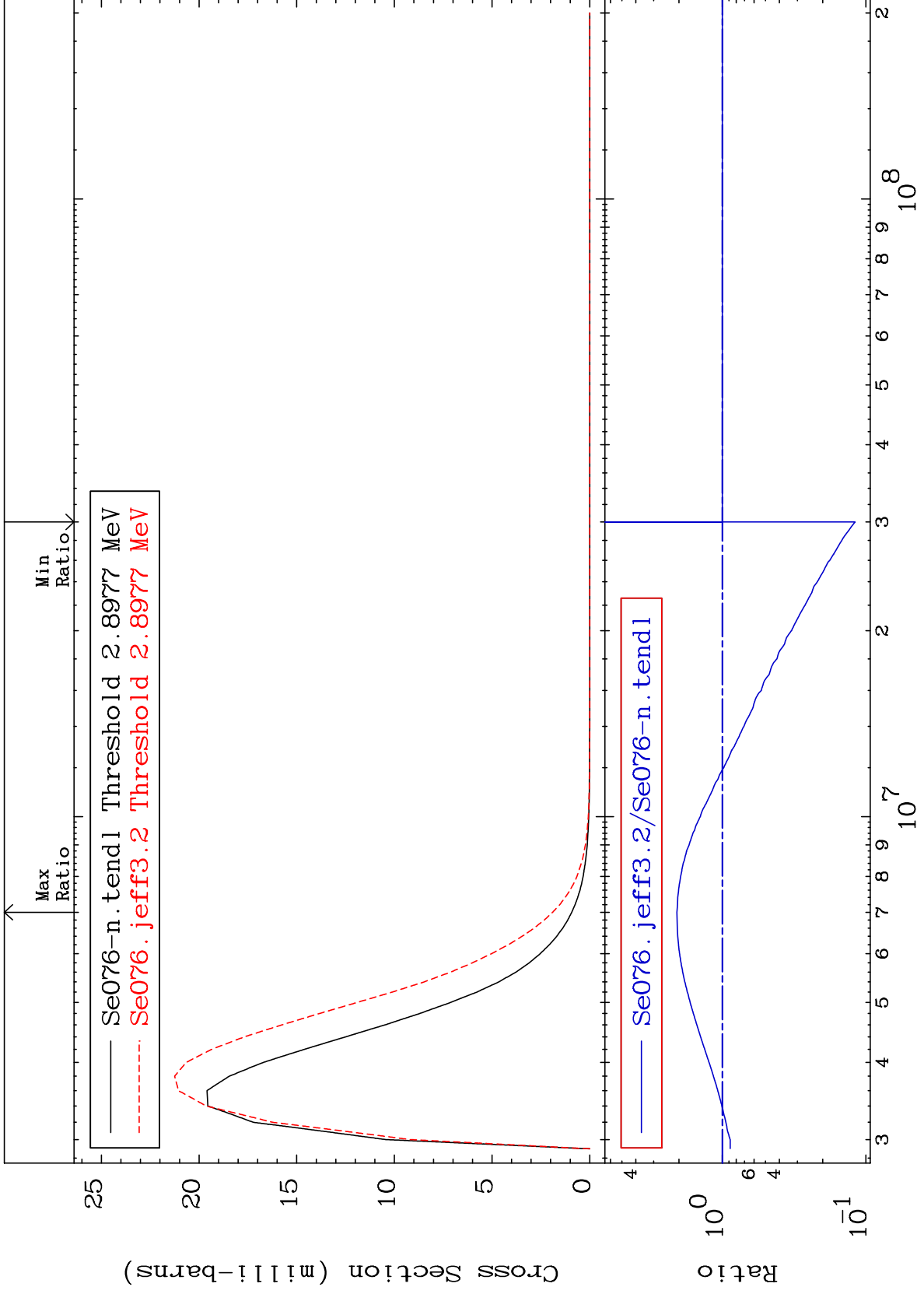
³⁴Se-76
-11.71 To 82.33 %



MAT 3431

2.860 MeV (n,n') Level
Cross Section

³⁴Se-76
-88.10 To 106.8 %



48

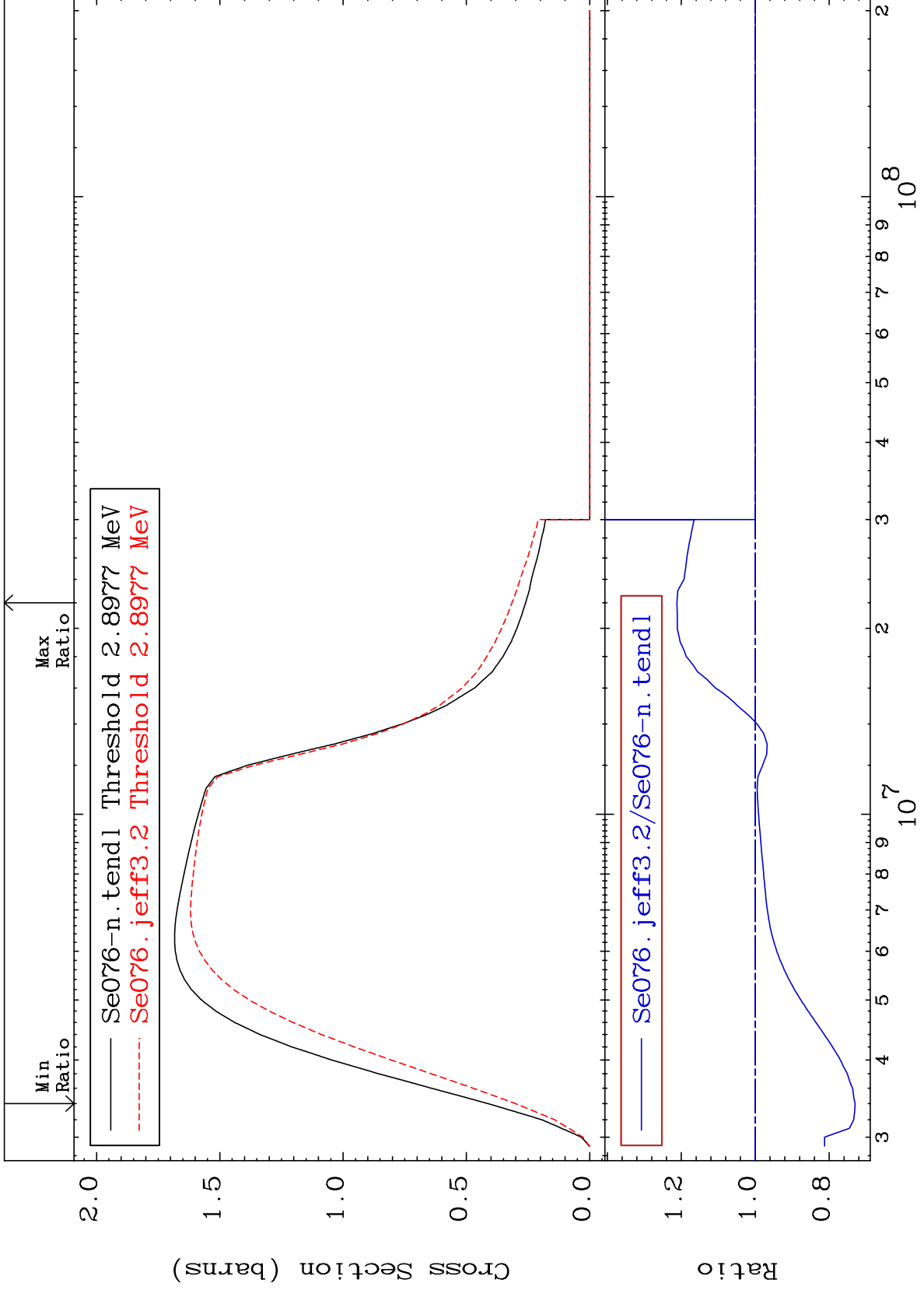
Incident Energy (eV)

³⁴Se-76

MAT 3431

(n, n') Continuum
Cross Section

³⁴Se-76
-27.00 To 21.18 %



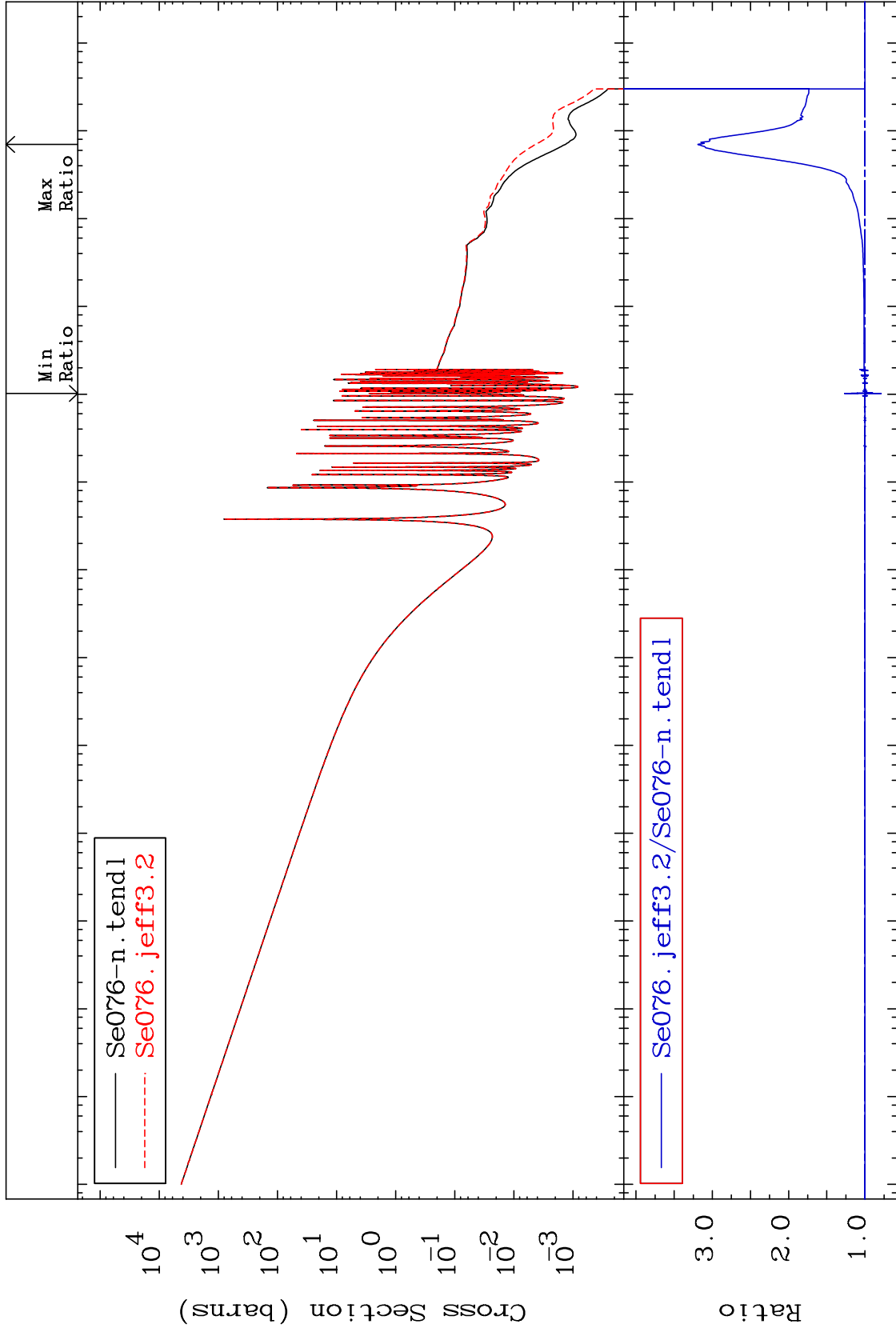
MAT 3431

(n, γ)

³⁴Se-76

Cross Section

-21.18 To 218.9 %



Incident Energy (eV)

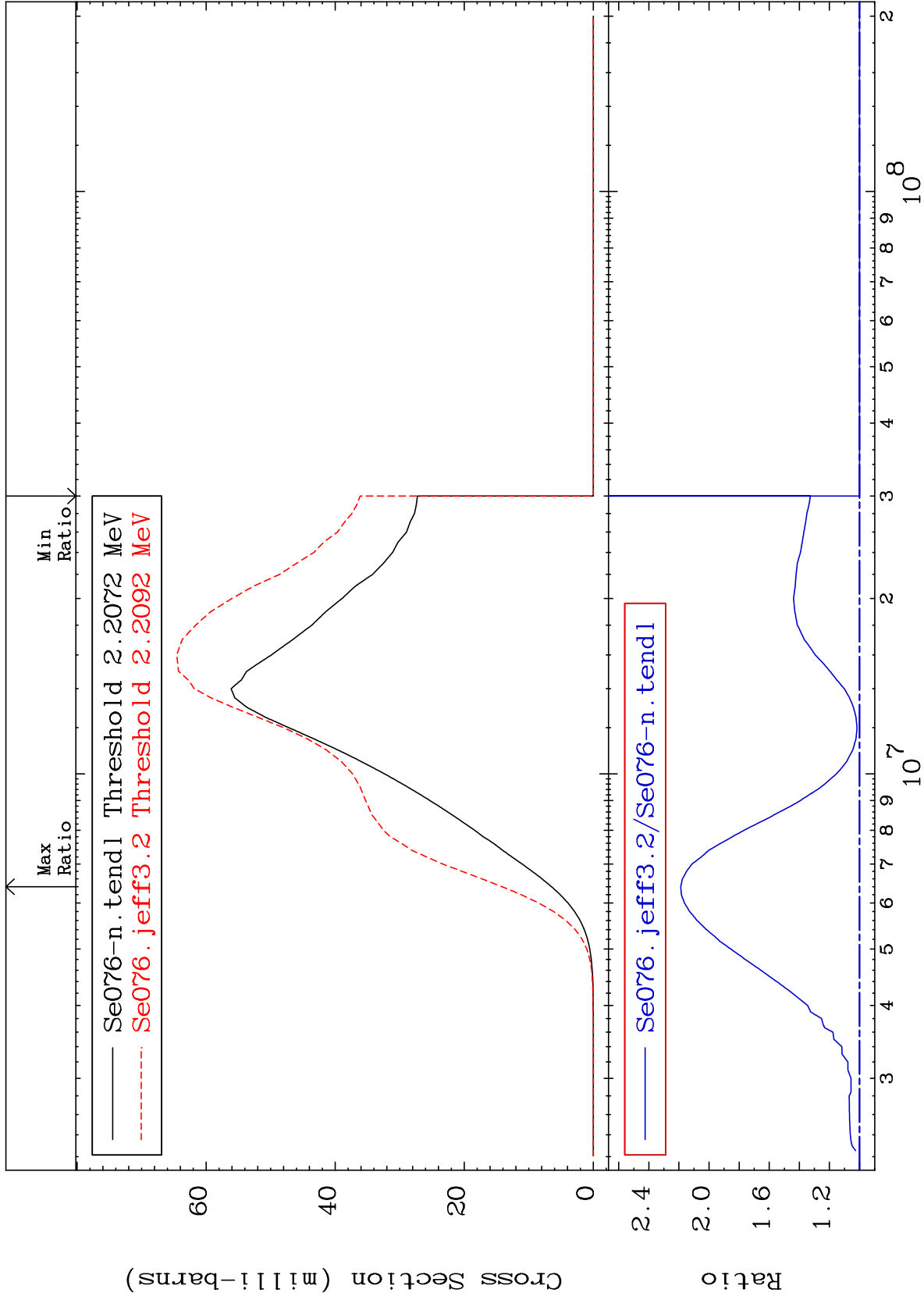
³⁴Se-76

50

MAT 3431

³⁴Se-76

(n,p) Cross Section To 118.8 %



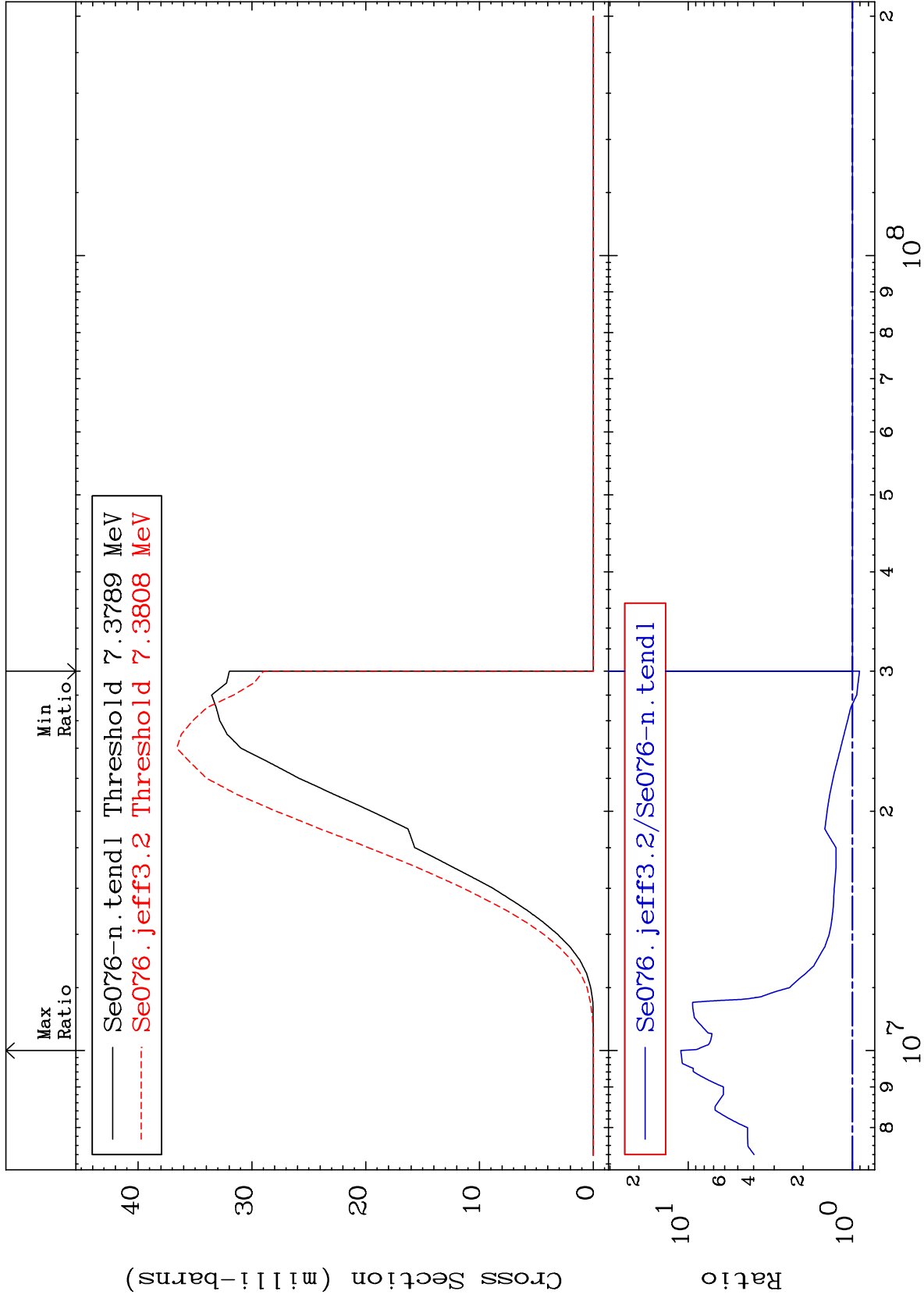
MAT 3431

(n, d)

³⁴Se-76

Cross Section

-9.390 To 1011. %



MAT 3431

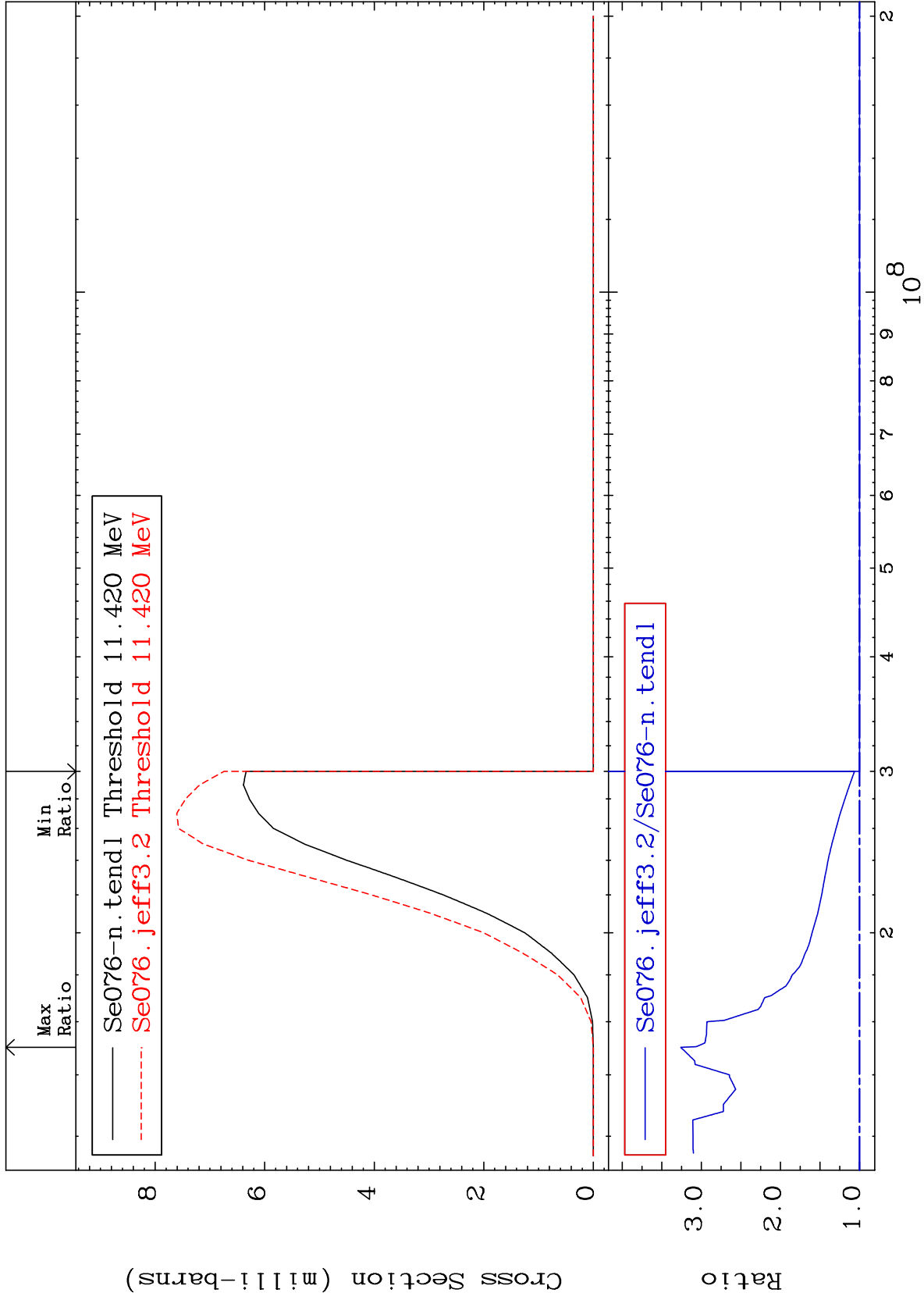
(n, t)

³⁴Se-76

Cross Section

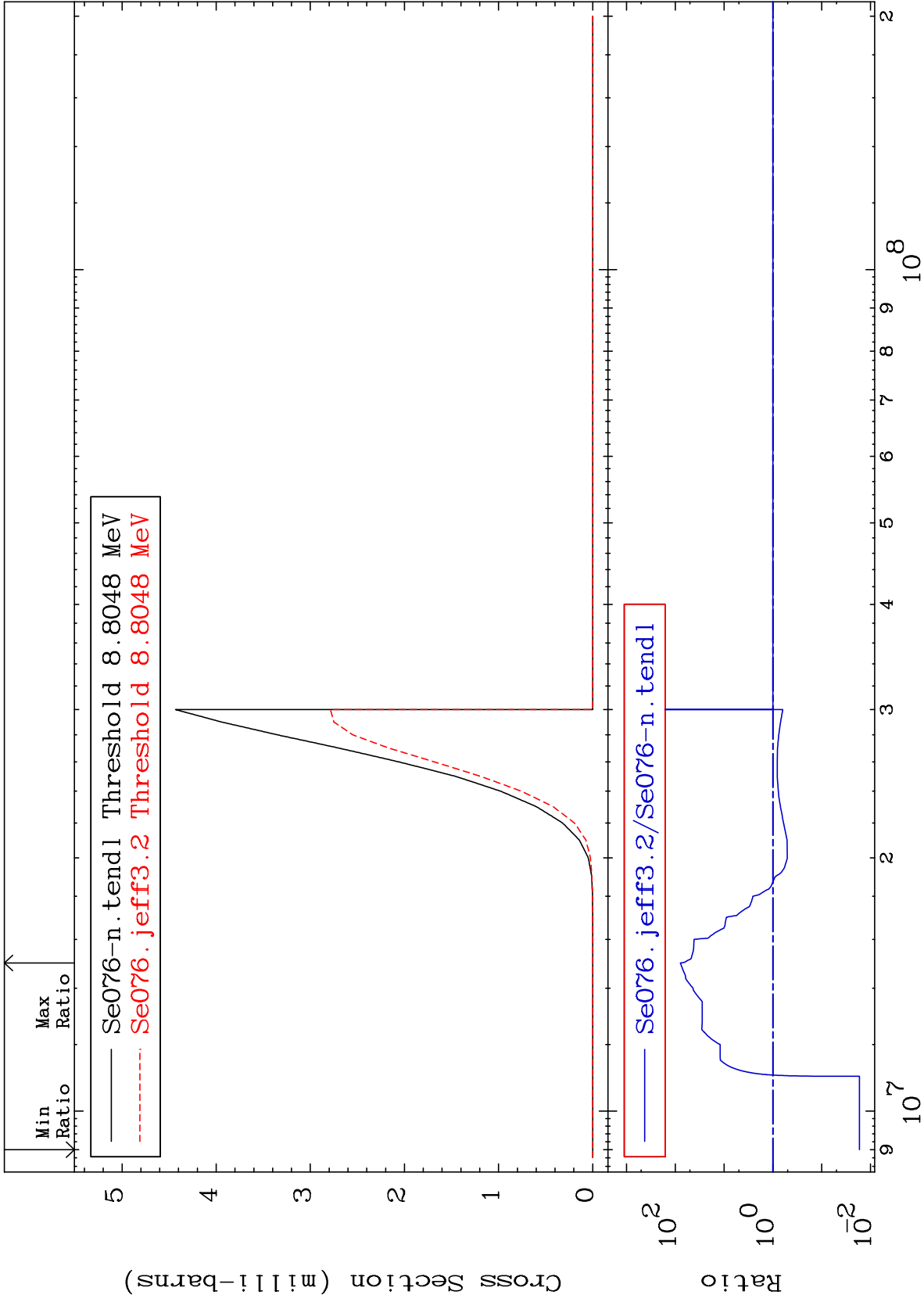
0.000

To 226.0 %



Cross Section

-98.31 To 7781. %



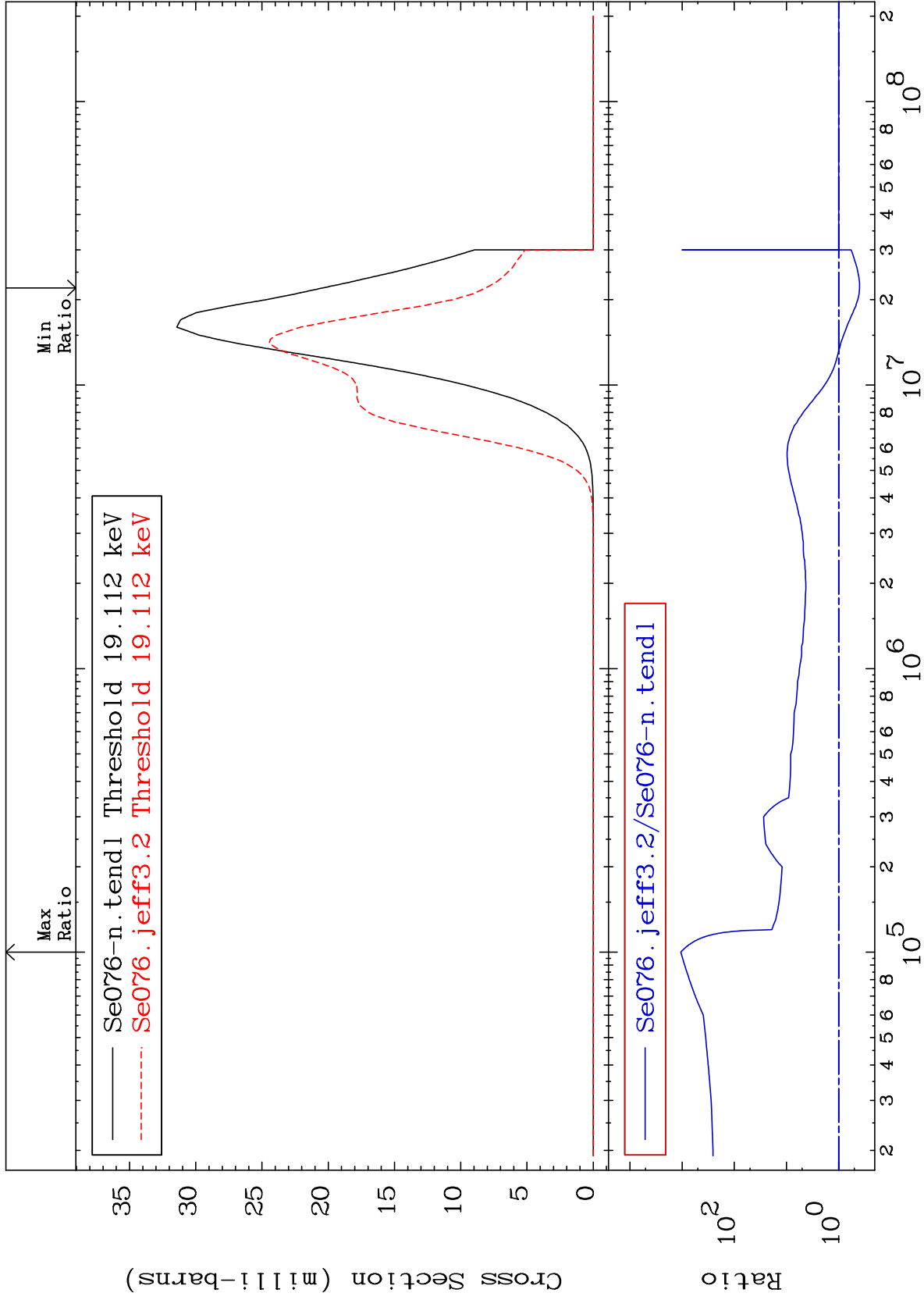
MAT 3431

(n, α)

³⁴Se-76

Cross Section

-60.24 To 9999. %

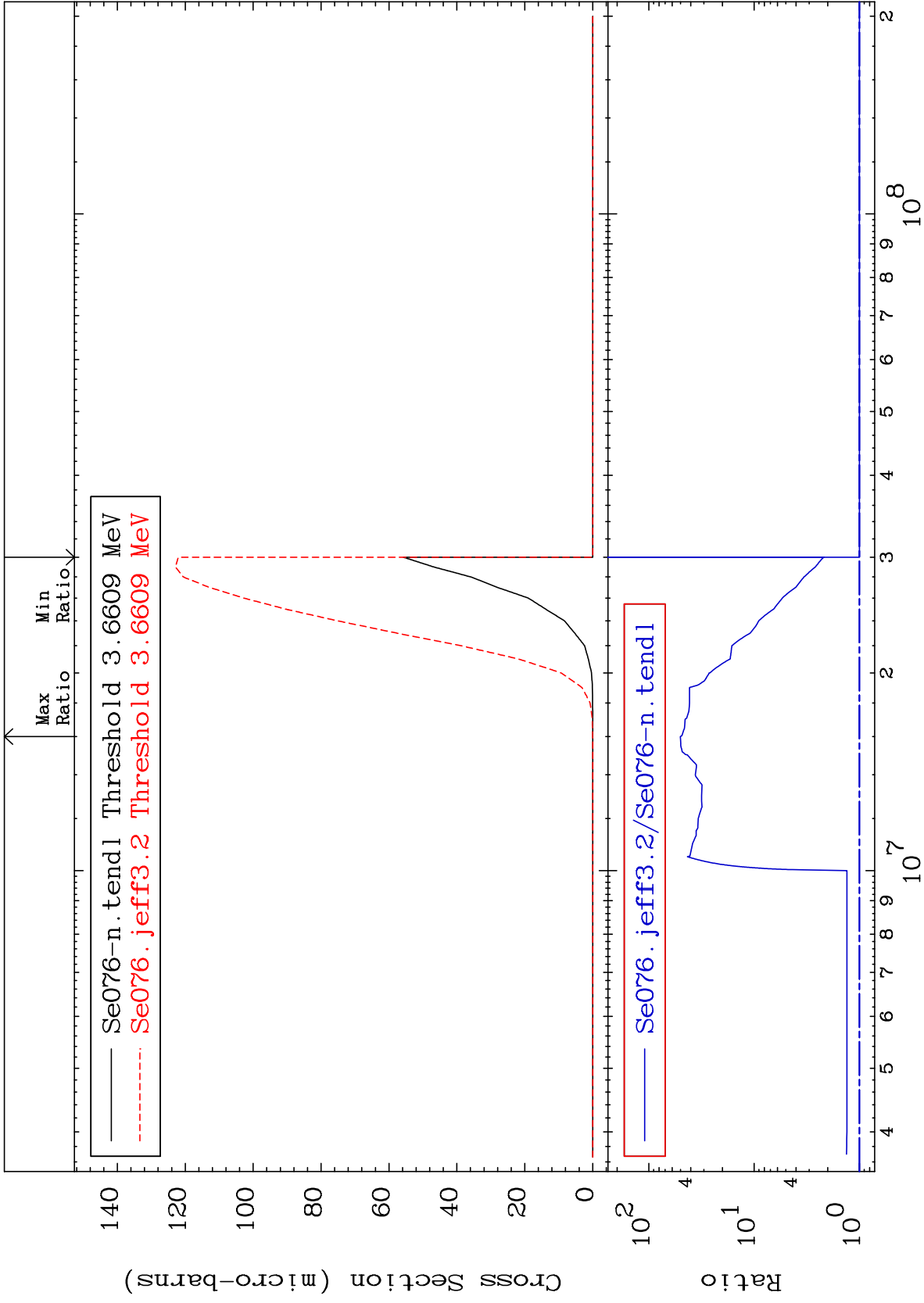


MAT 3431

(n,2α)

34-Se-76
To 4918. %
0.000

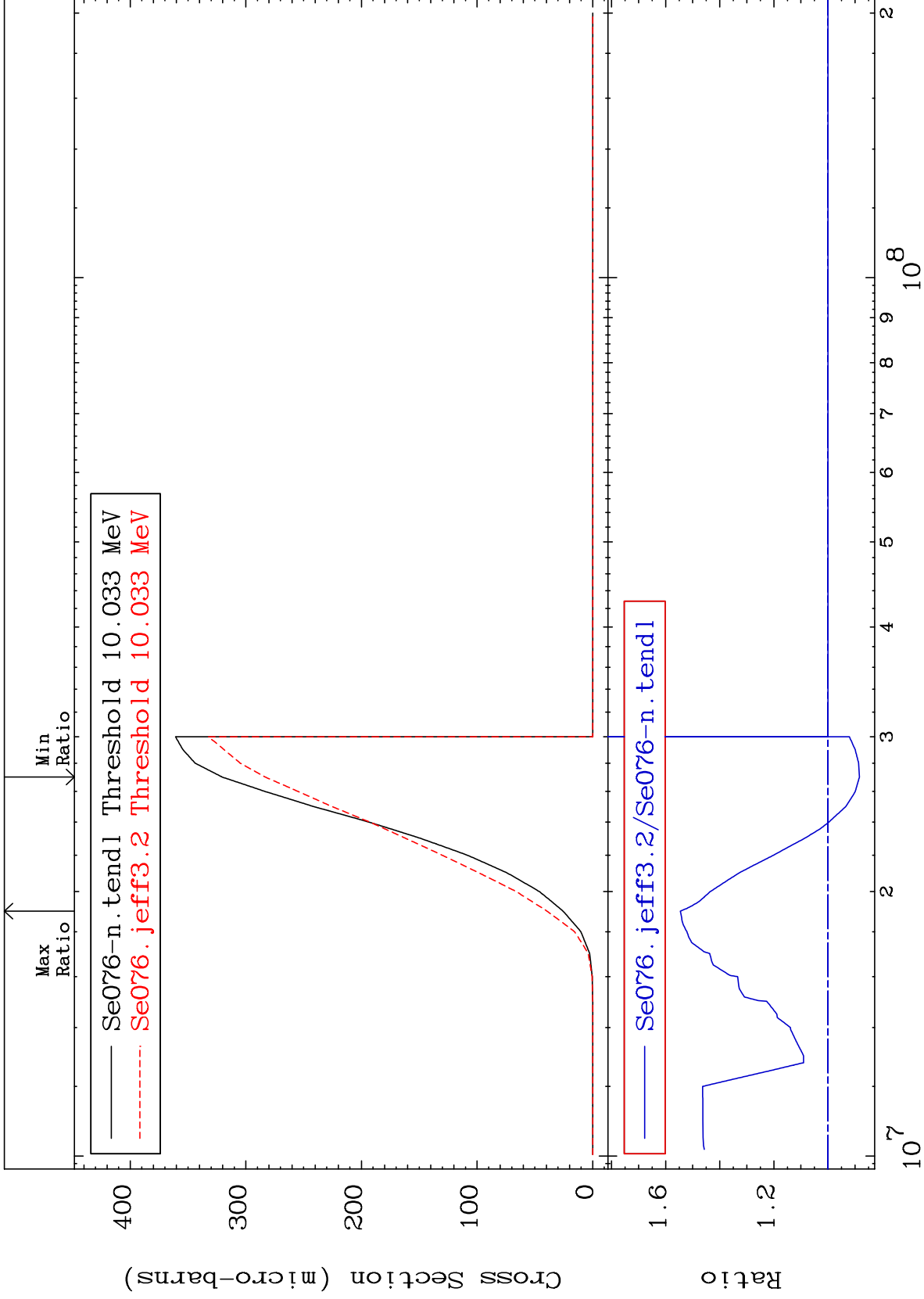
Cross Section



MAT 3431

(n,2p)
Cross Section

³⁴Se-76
-11.63 To 54.57 %



57

Incident Energy (eV)

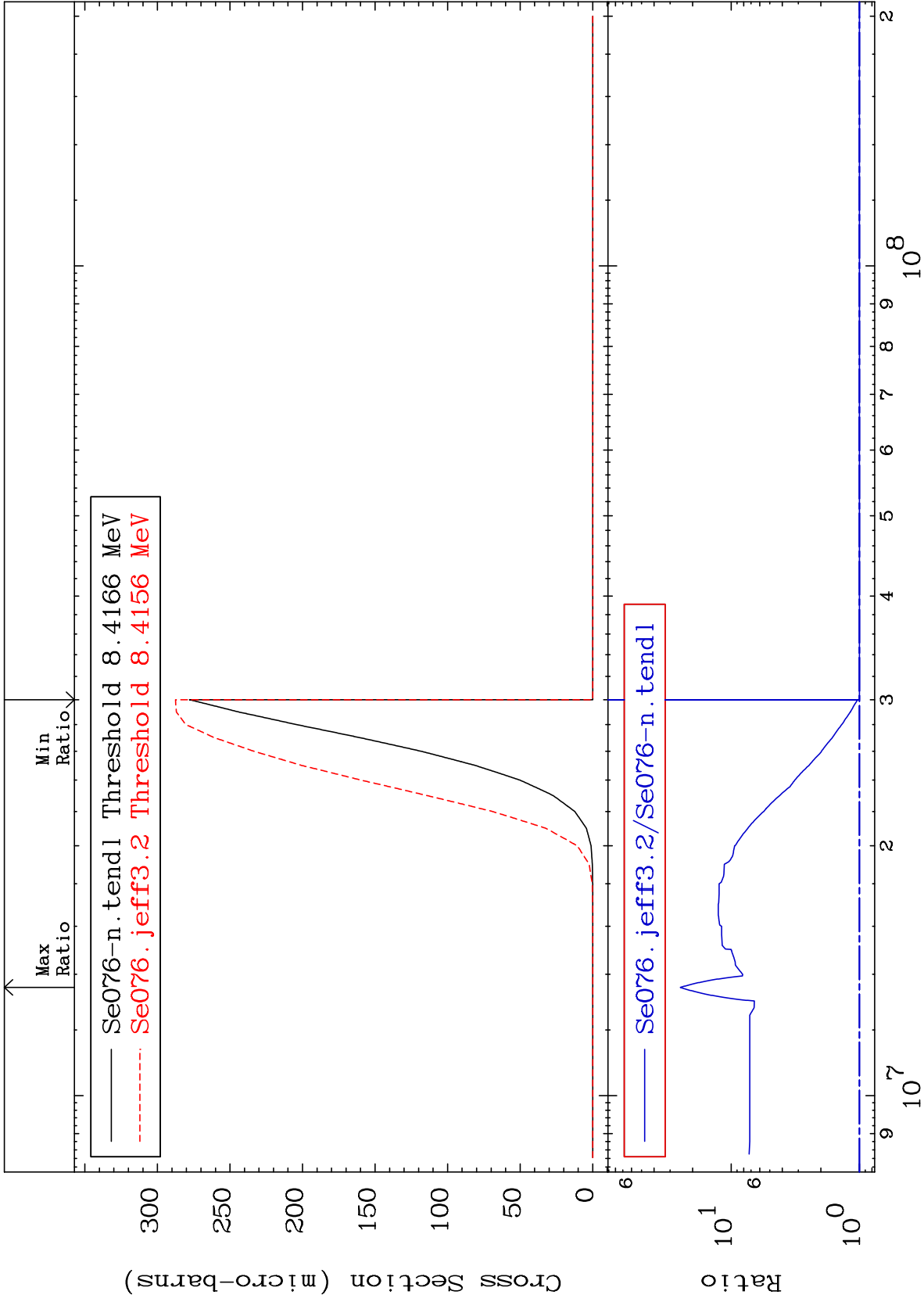
³⁴Se-76

MAT 3431

(n,p) α

0.000 To 2393. %
34-Se-76

Cross Section



58

Incident Energy (eV)

34-Se-76

MAT 3431

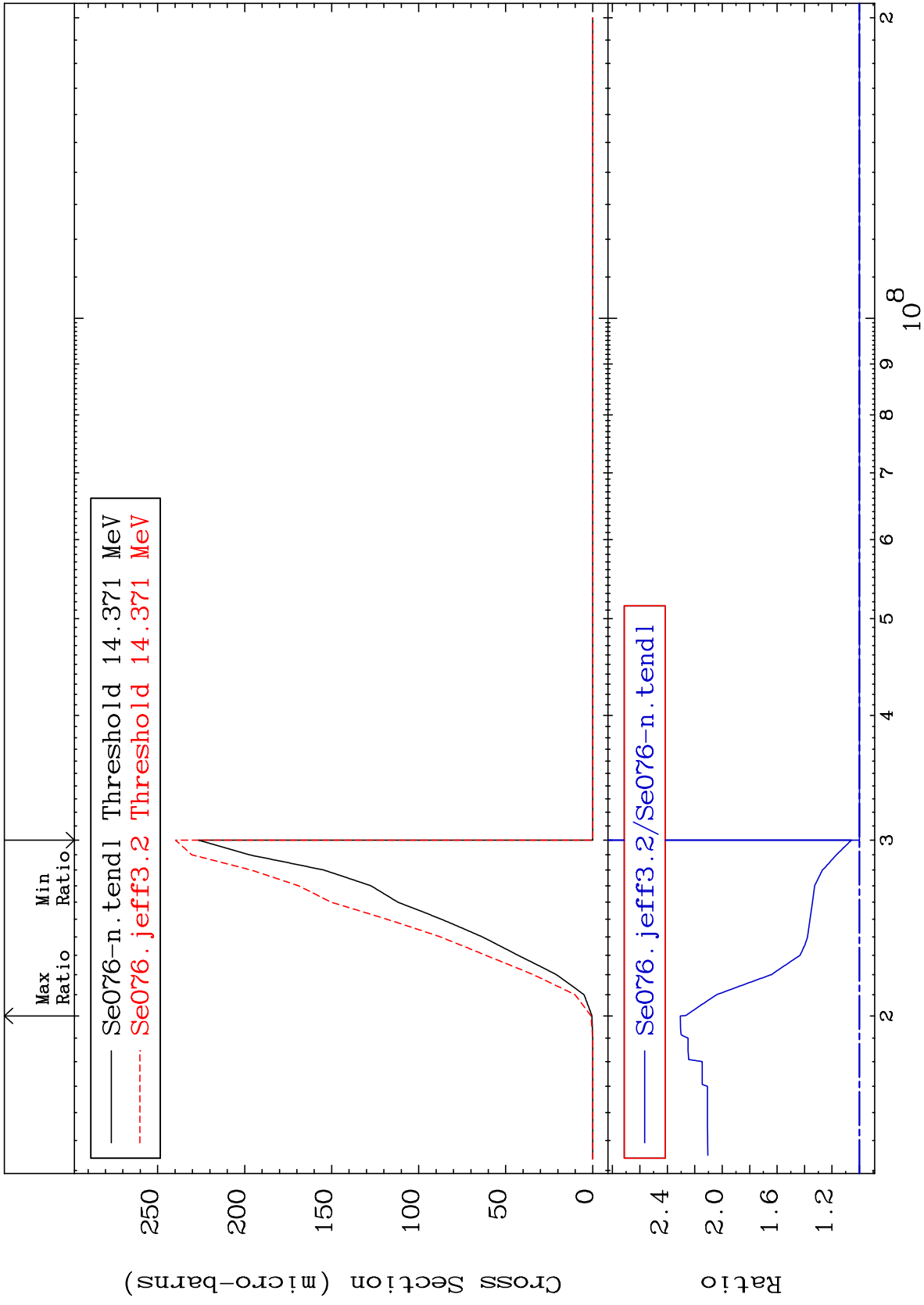
(n,p) d

³⁴Se-76

Cross Section

0.000

To 130.5 %



MAT 3431

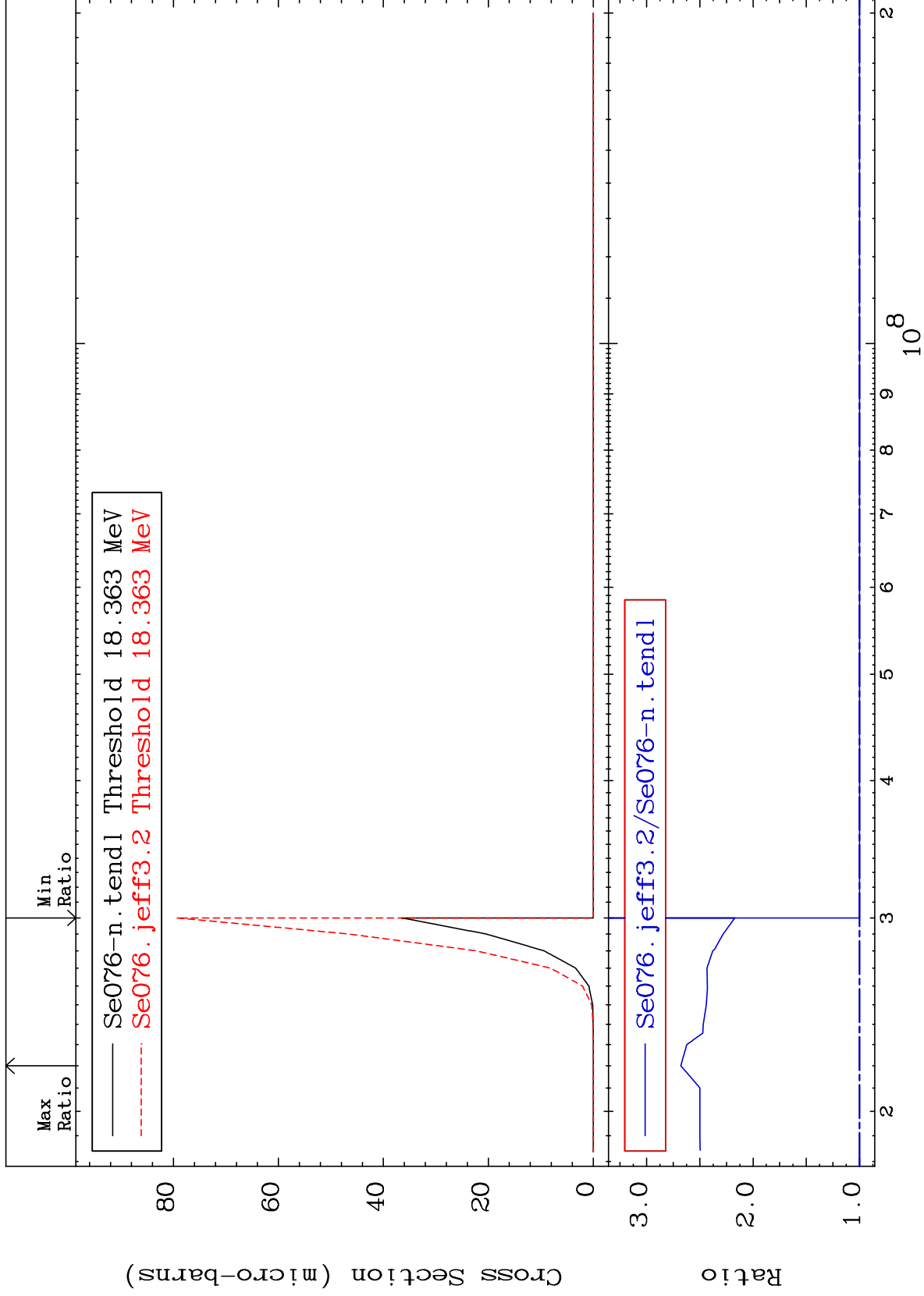
(n,p) t

³⁴Se-76

Cross Section

0.000

To 167.9 %



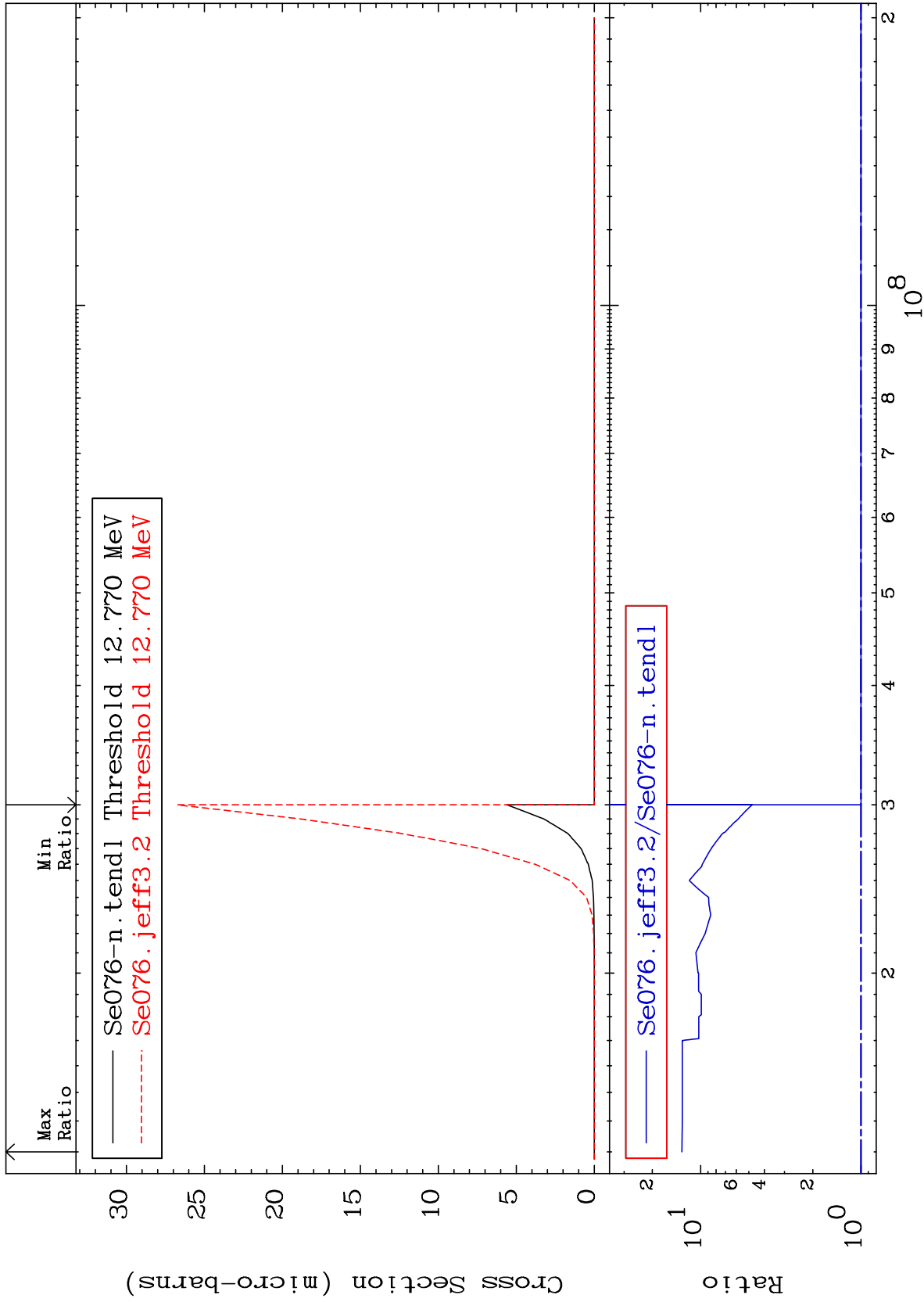
60

Incident Energy (eV)

³⁴Se-76

MAT 3431

(n,d) α Cross Section
0.000 To 1208. % $^{34}\text{Se-76}$



61

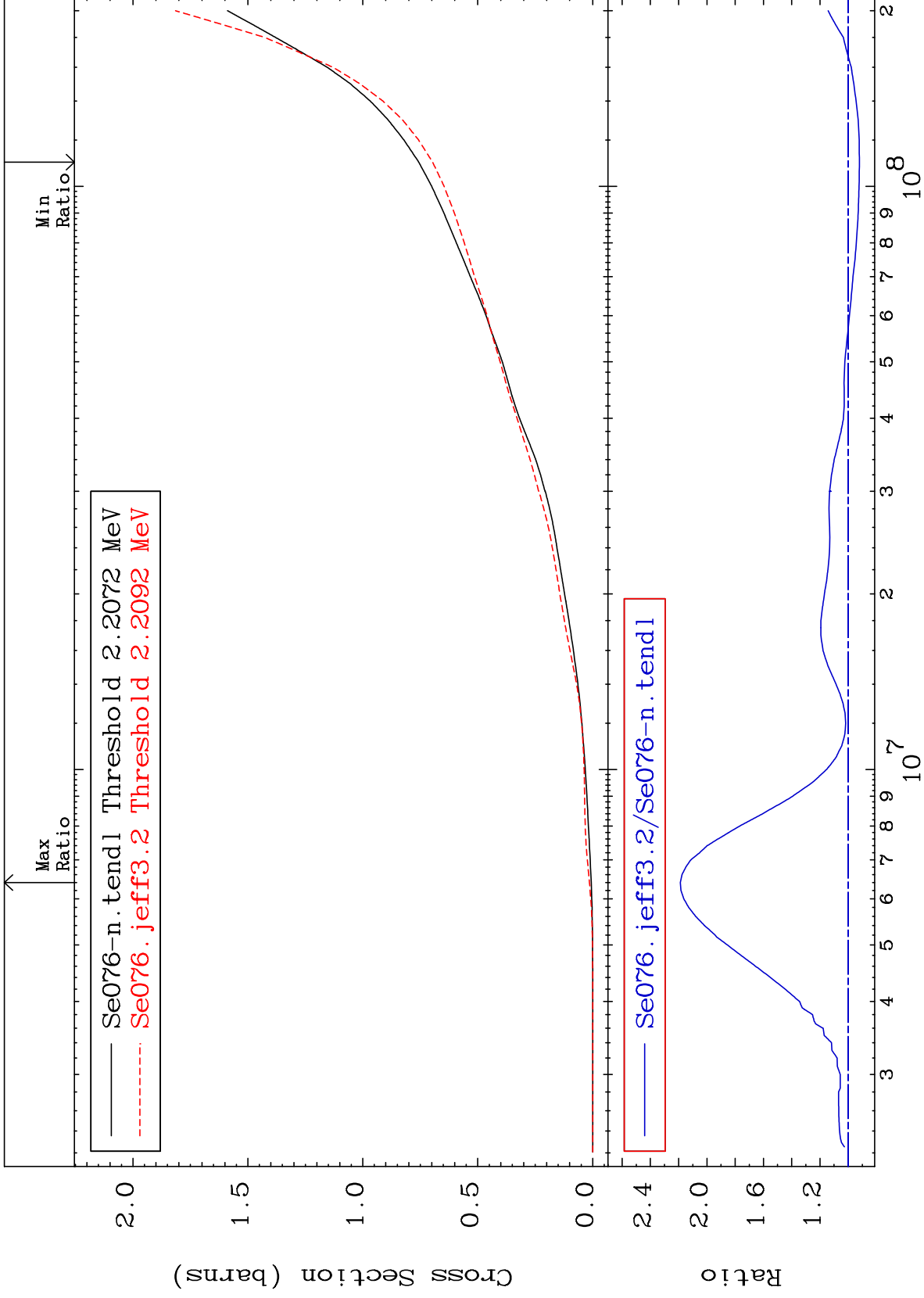
Incident Energy (eV)

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

MAT 3431

Hydrogen Production
Cross Section

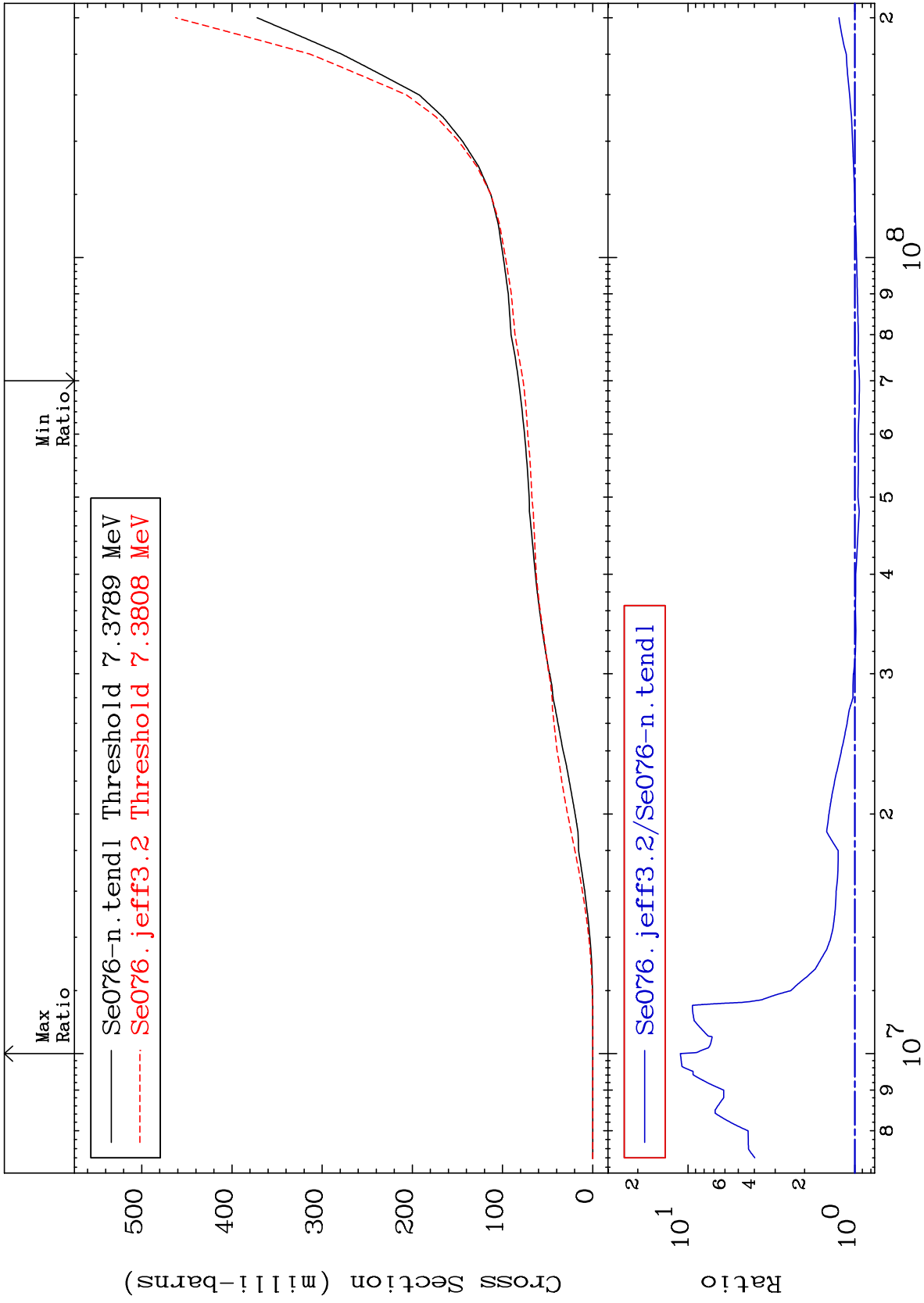
³⁴Se-76
-7.956 To 118.8 %



MAT 3431

Deuterium Production
Cross Section

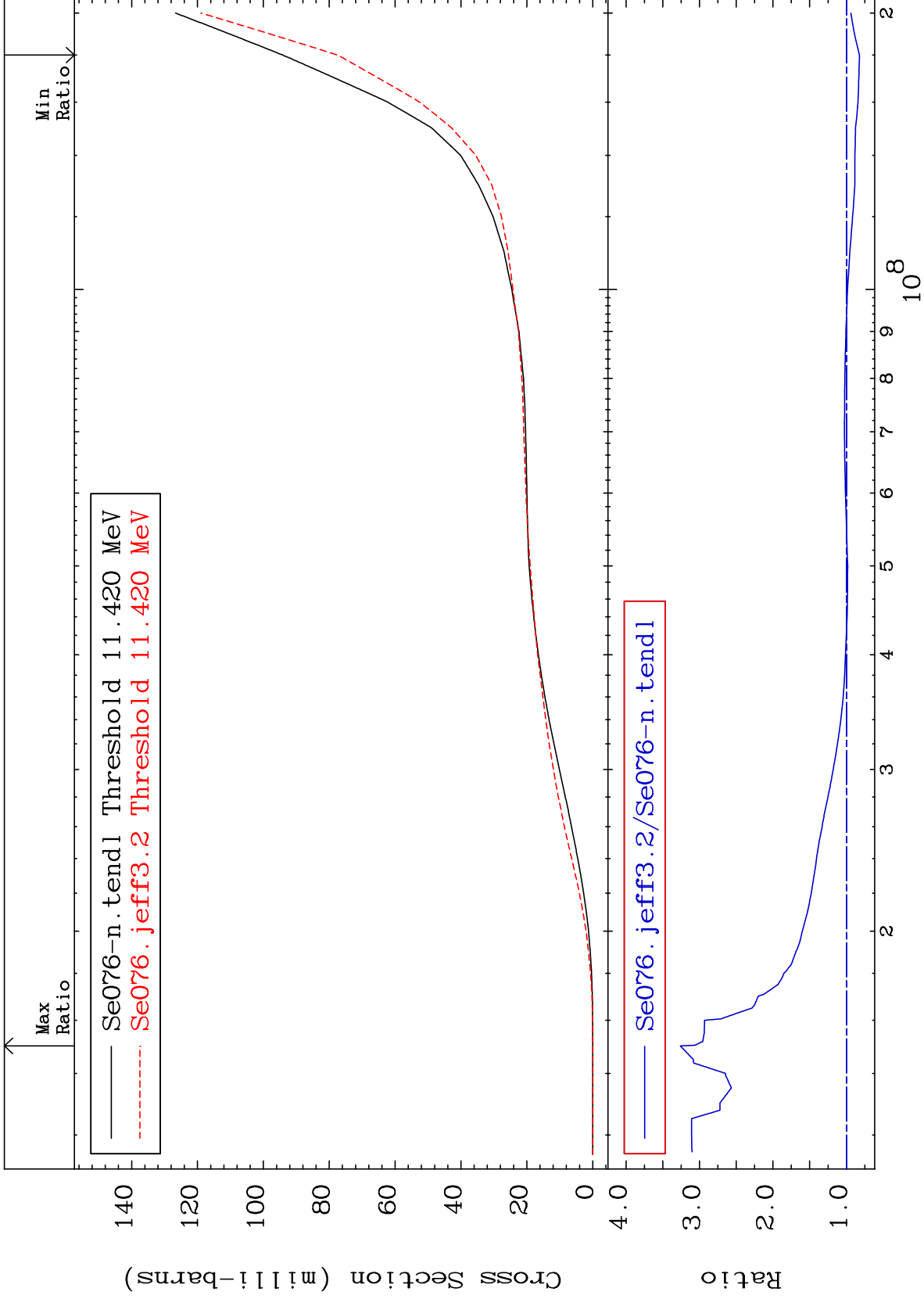
³⁴Se-76
-6.255 To 1011. %



MAT 3431

Tritium Production
Cross Section

³⁴Se-76
-17.72 To 226.0 %



64

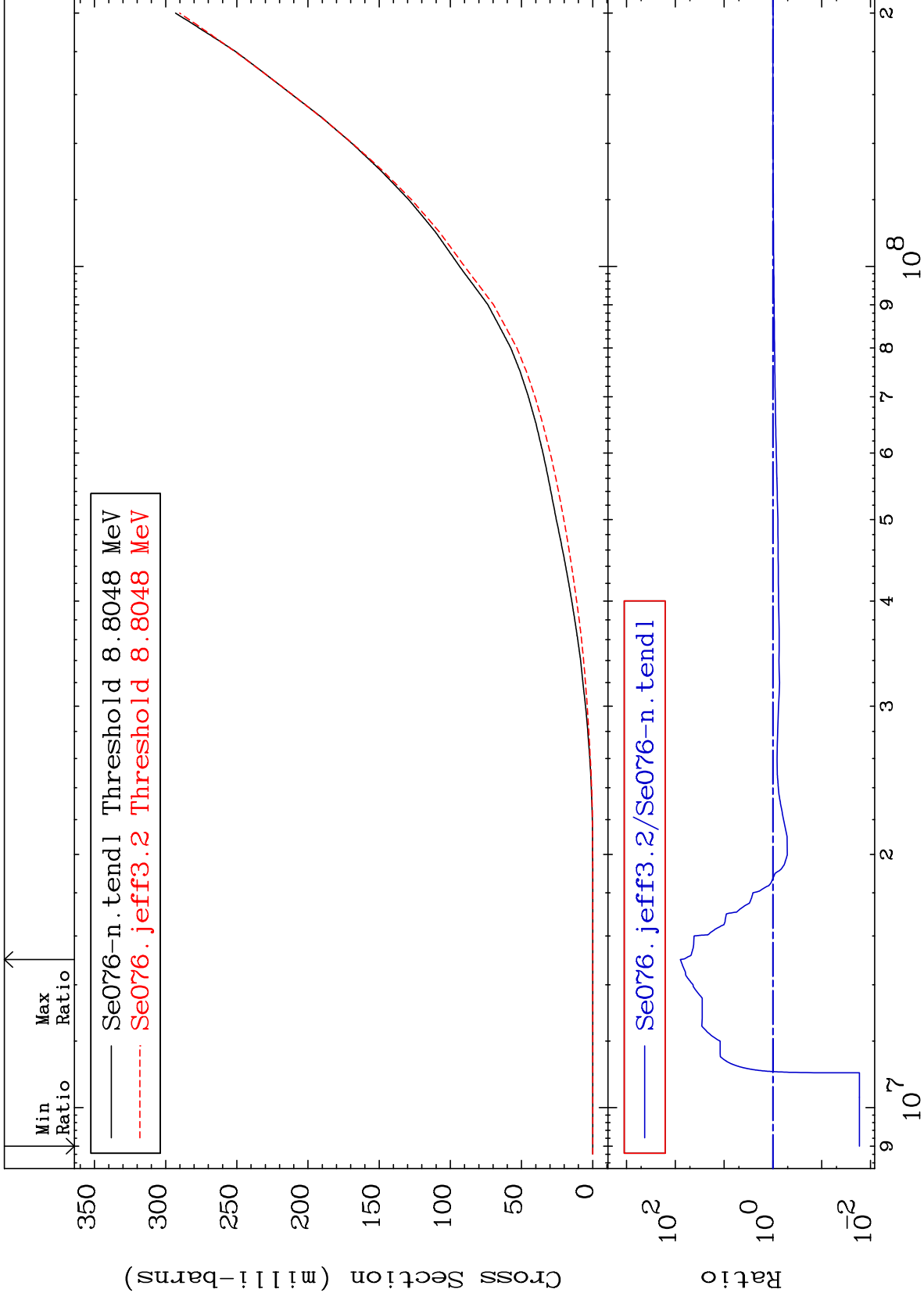
Incident Energy (eV)

³⁴Se-76

MAT 3431

He-3 Production
Cross Section

³⁴Se-76
-98.31 To 7781. %



65

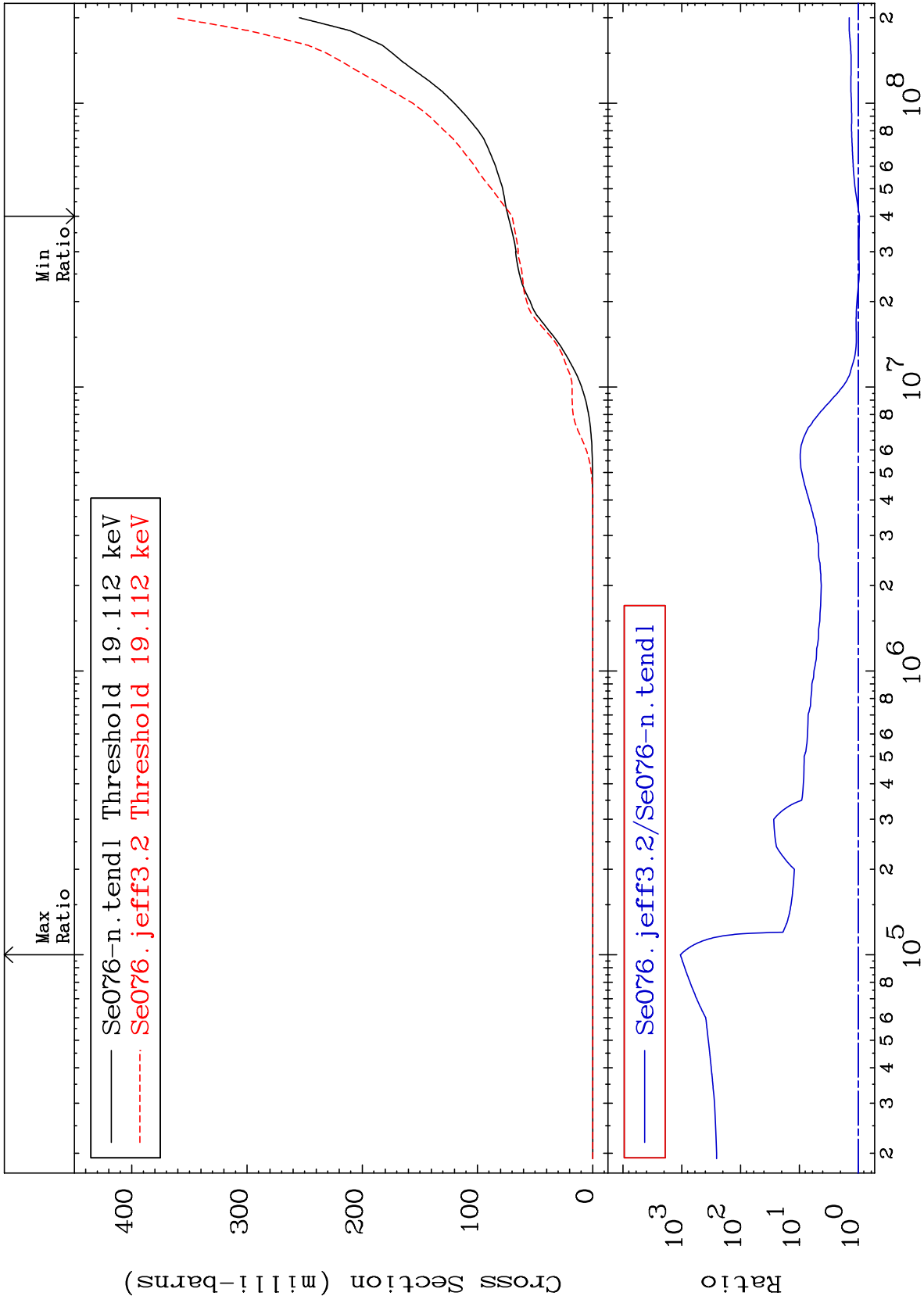
Incident Energy (eV)

³⁴Se-76

MAT 3431

He-4 Production
Cross Section

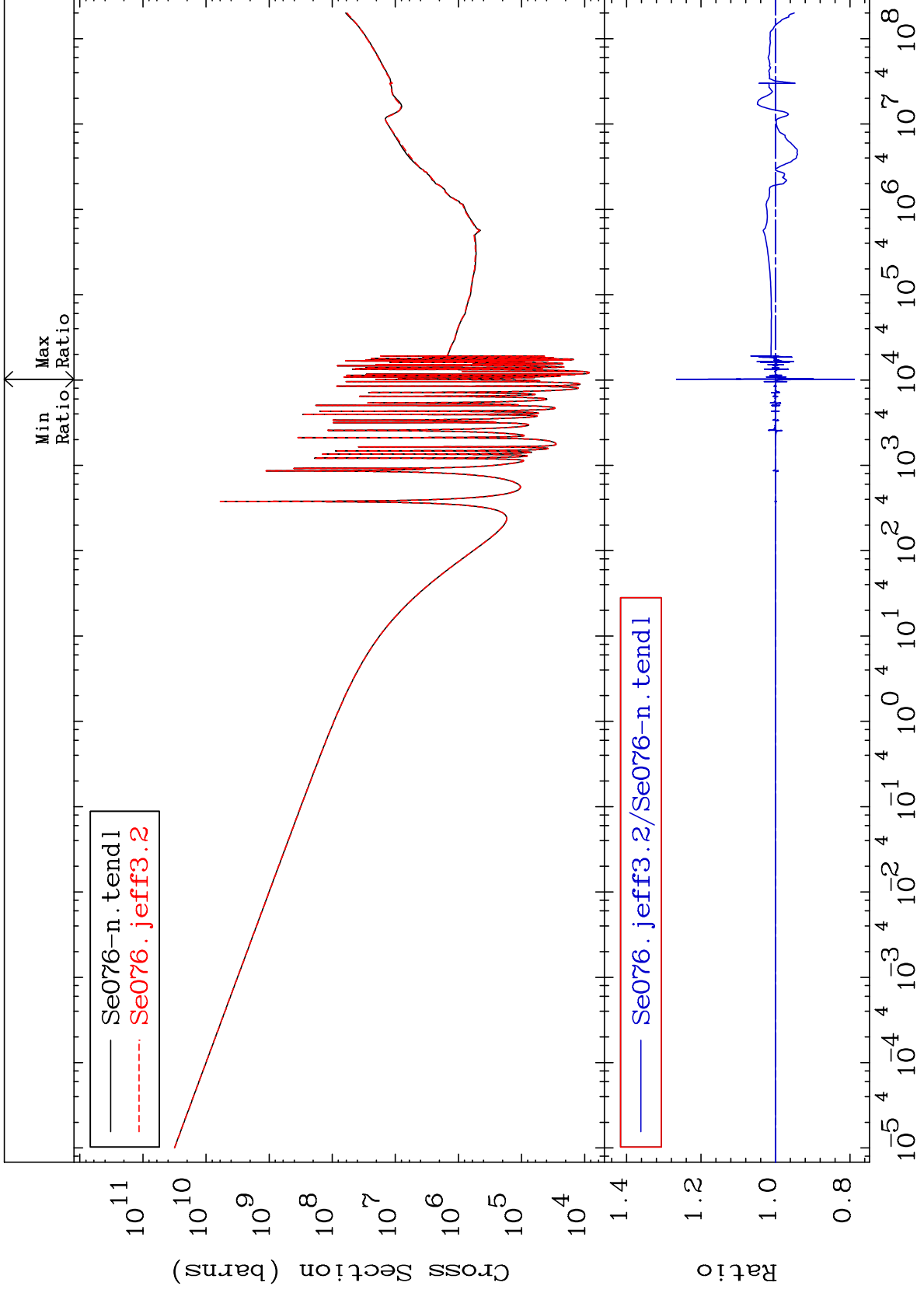
³⁴Se-76
-4.676 To 9999. %



MAT 3431

Kerma total (eV-barns)
Cross Section

34-Se-76
-21.19 To 26.64 %



67

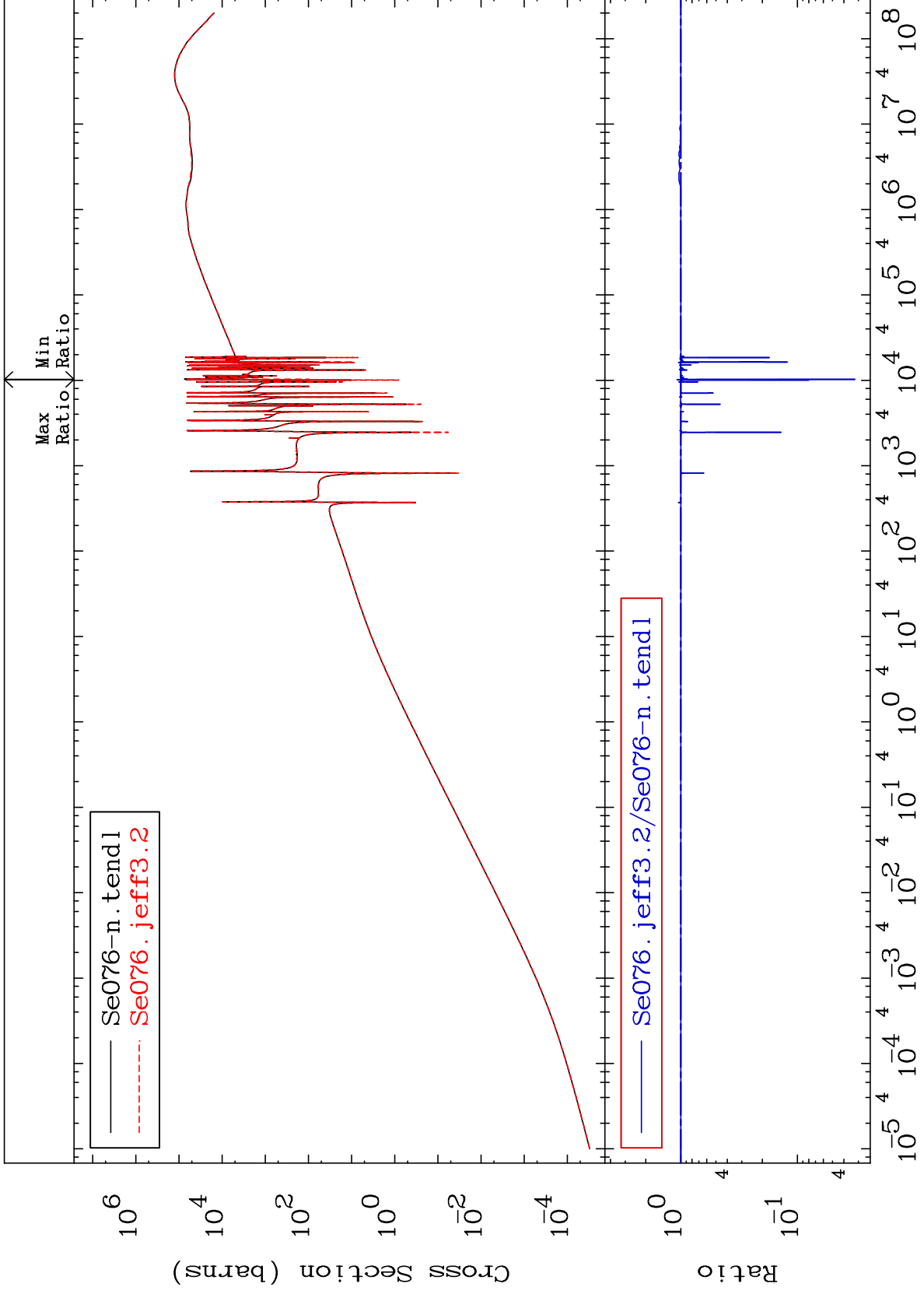
Incident Energy (eV)

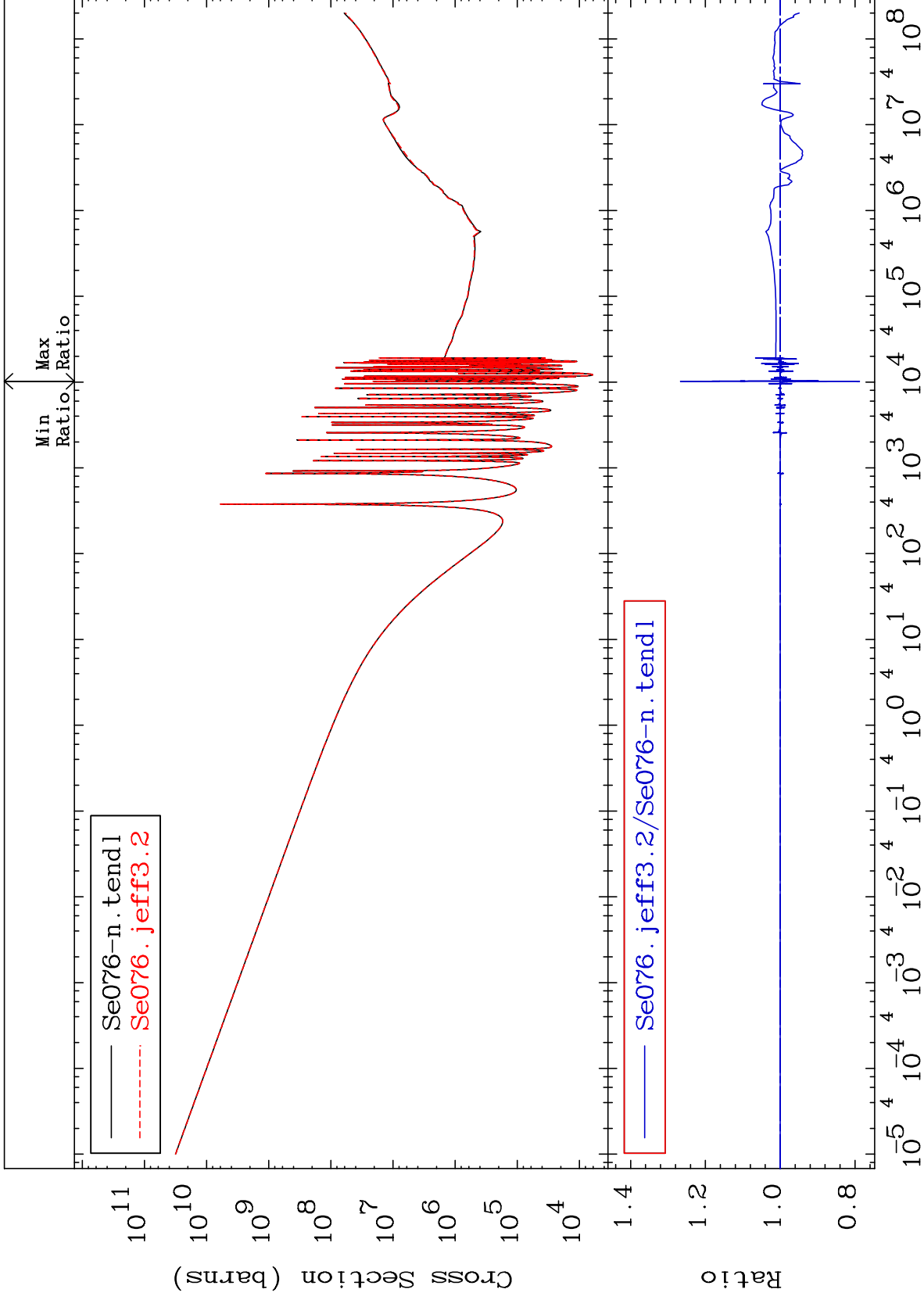
34-Se-76

MAT 3431

Kerma elastic
Cross Section

³⁴Se-76
-96.80 To 7.950 %

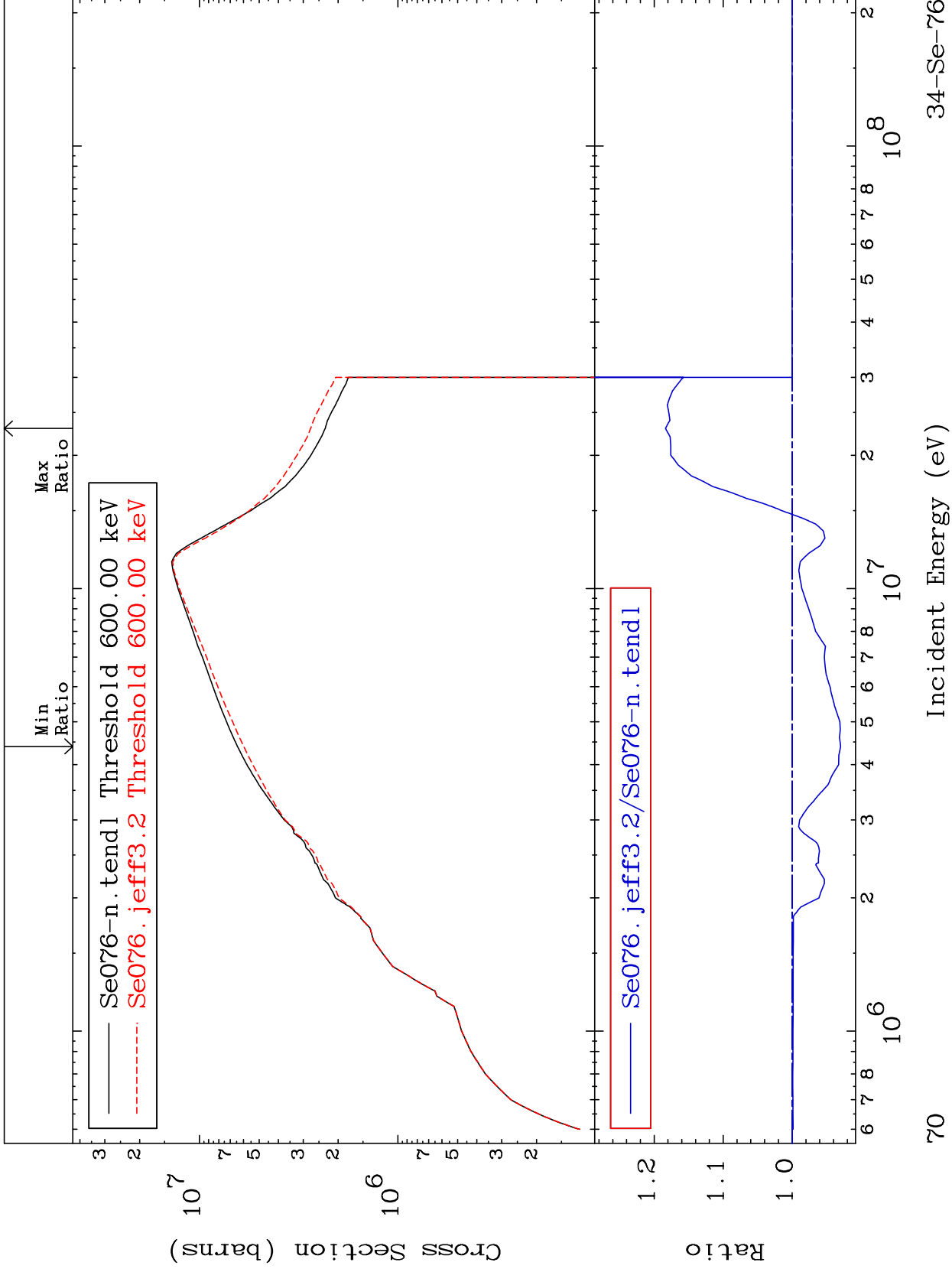




MAT 3431

Kerma inelastic (mt51-91)
Cross Section

³⁴Se-76
-7.031 To 18.36 %

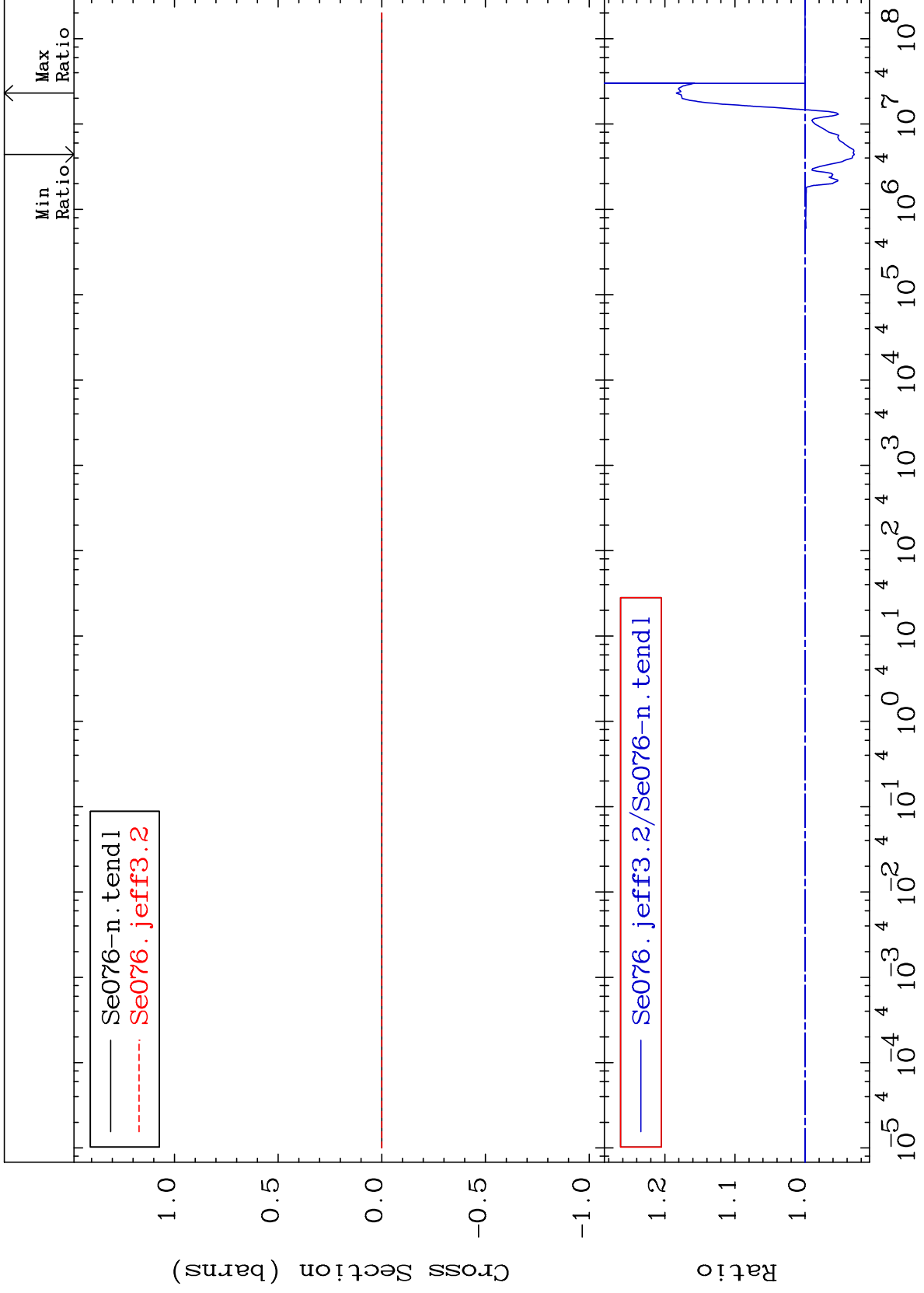


70

MAT 3431

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

34-Se-76
-7.031 To 18.36 %



71

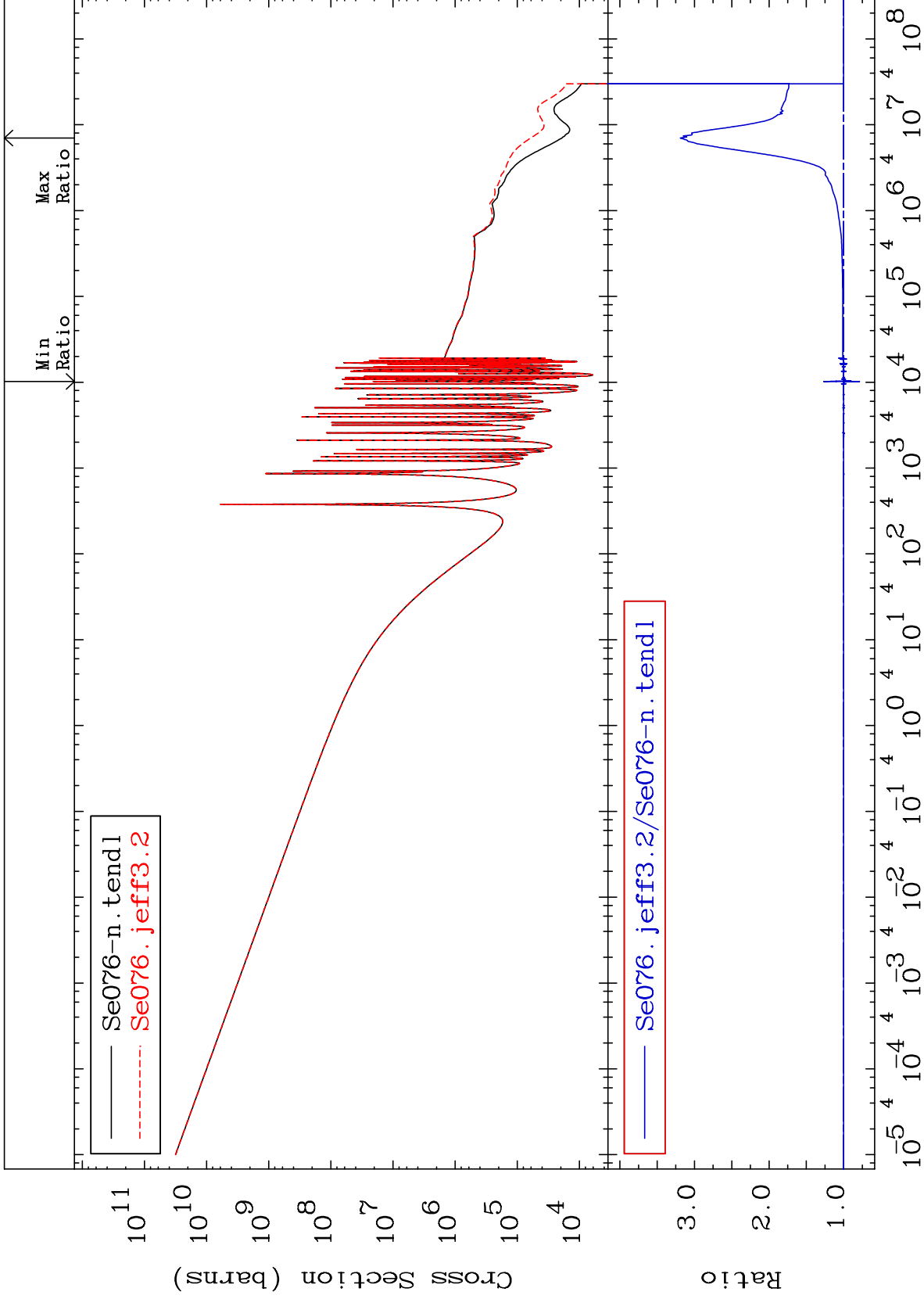
Incident Energy (eV)

34-Se-76

MAT 3431

Kerma capture (mt102)
Cross Section

³⁴Se-76
-21.18 To 218.9 %



72

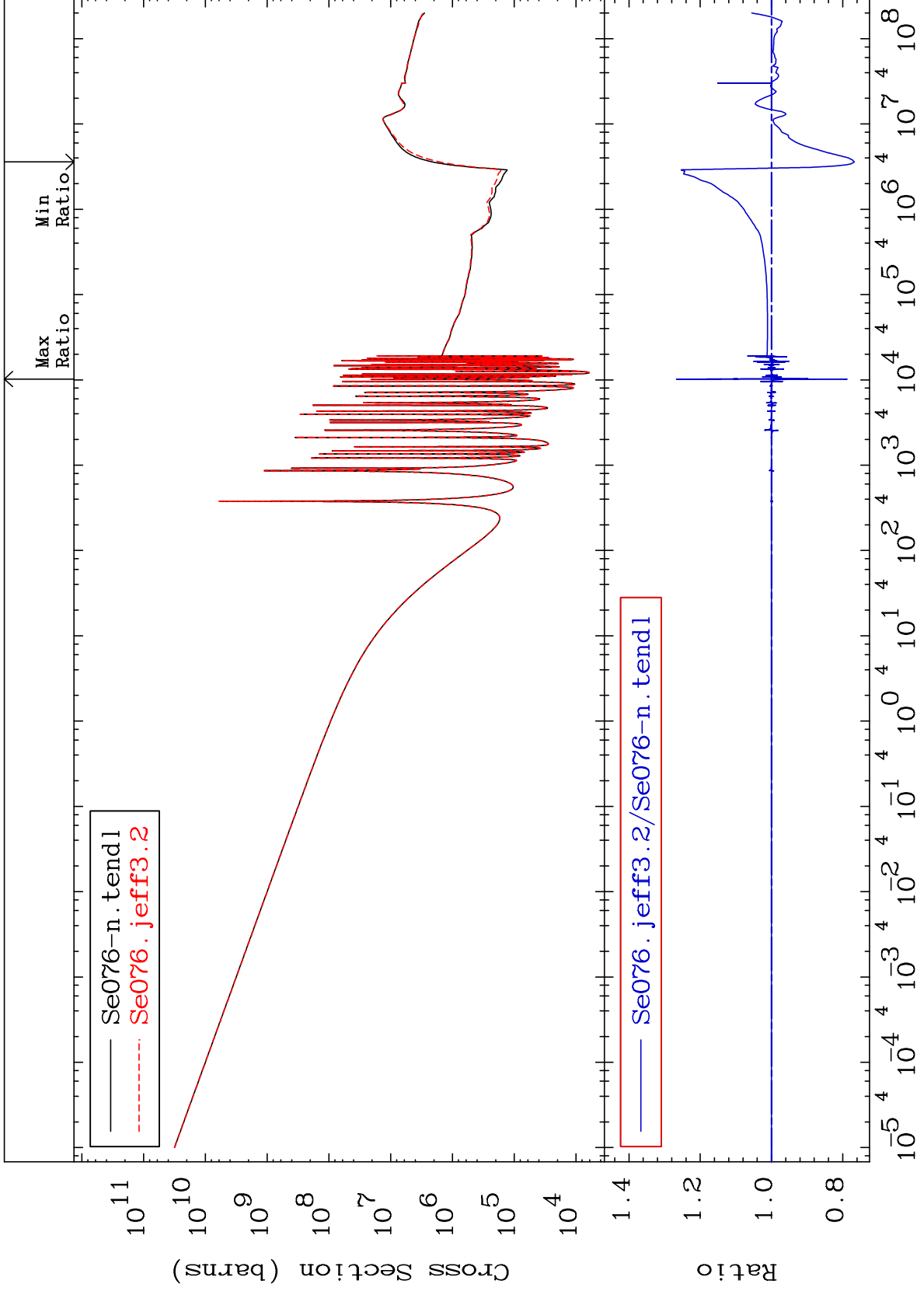
Incident Energy (eV)

³⁴Se-76

MAT 3431

Total photon (eV-barns)
Cross Section

34-Se-76
-23.27 To 26.69 %



73

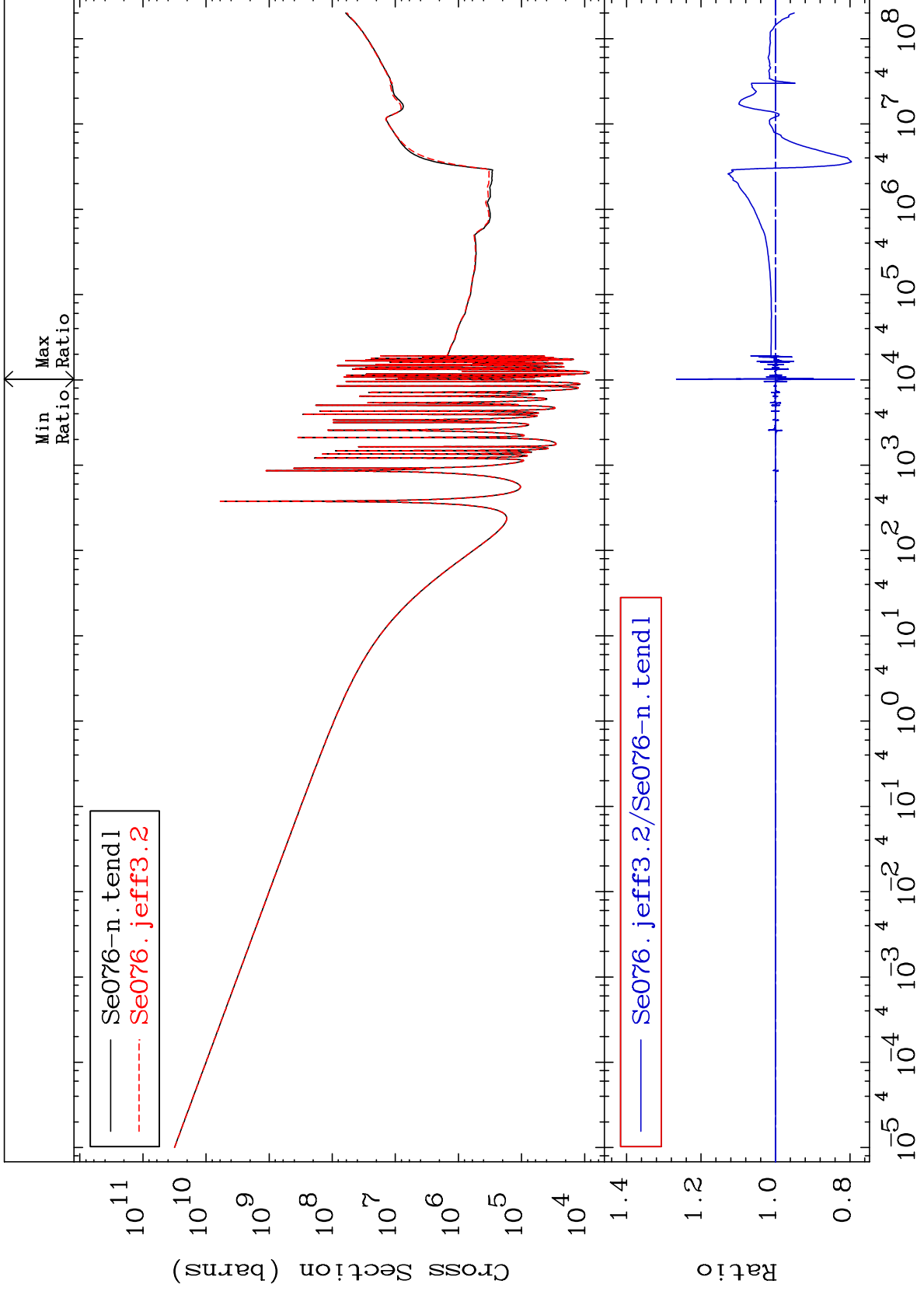
Incident Energy (eV)

34-Se-76

MAT 3431

Total kinematic kerma (high limit)
Cross Section

34-Se-76
-21.19 To 26.64 %



74

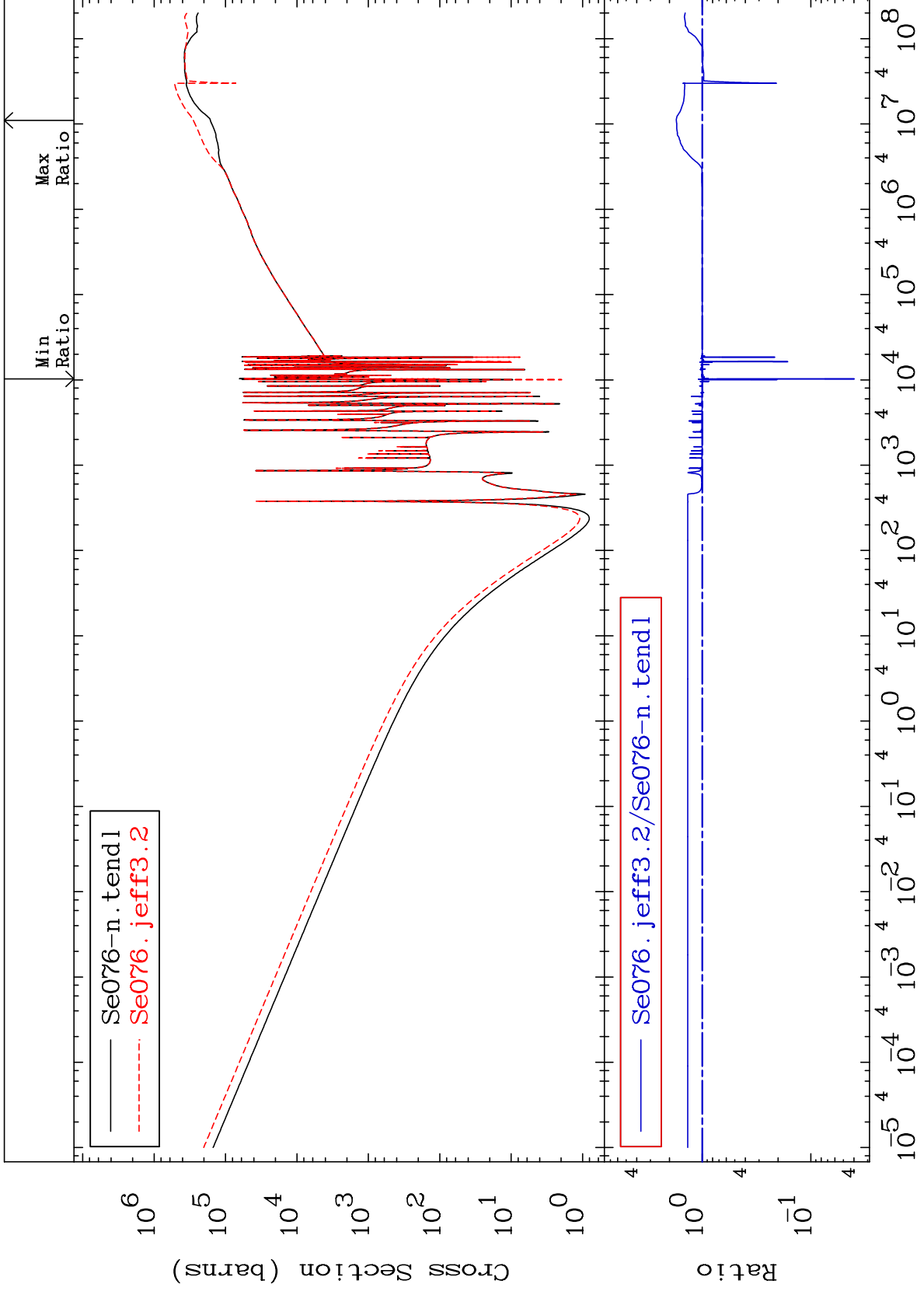
Incident Energy (eV)

34-Se-76

MAT 3431

Dpa total (eV-barns)
Cross Section

34-Se-76
-96.03 To 72.81 %



75

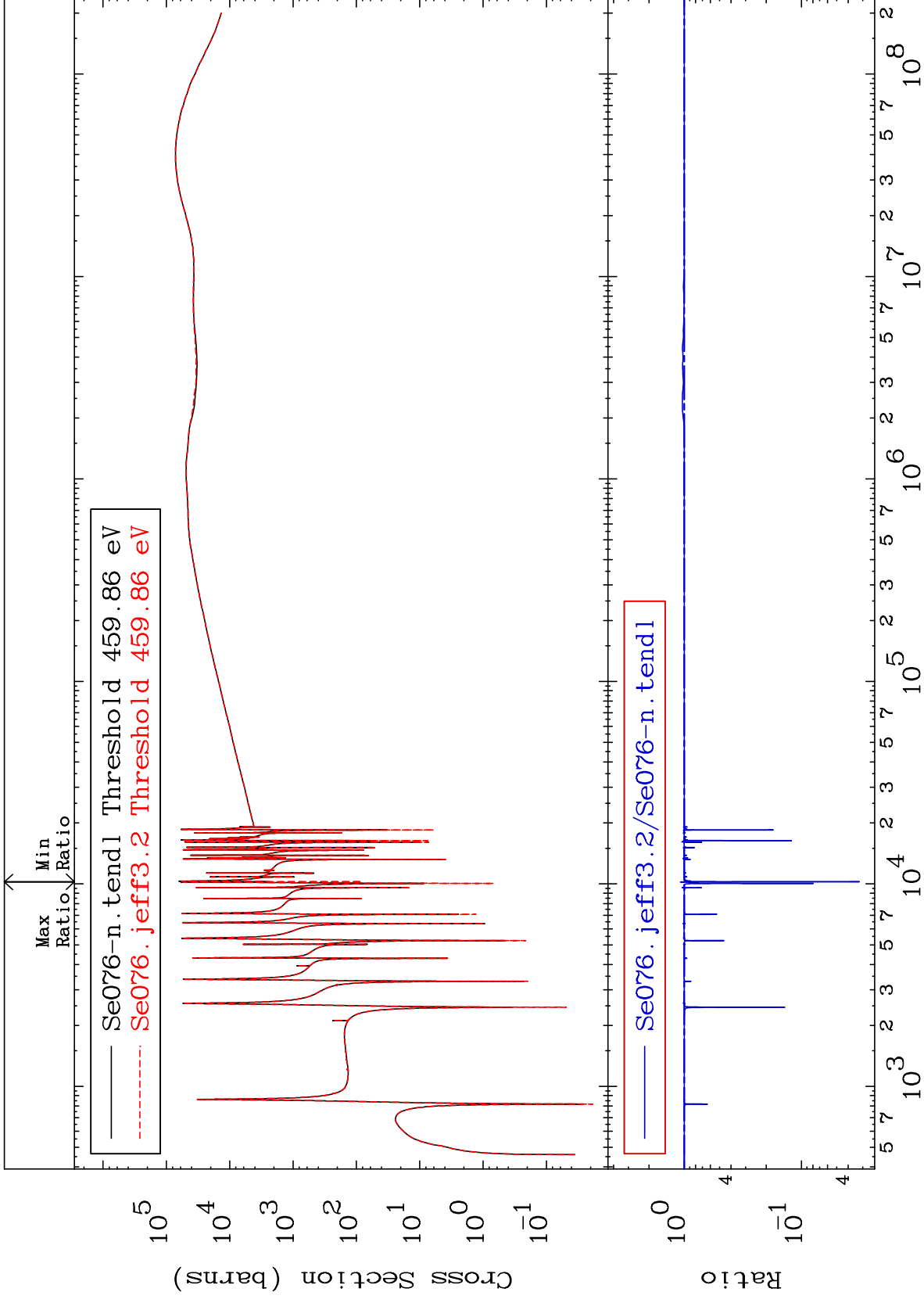
Incident Energy (eV)

34-Se-76

MAT 3431

Dpa elastic (mt2)
Cross Section

34-Se-76
-96.80 To 7.950 %



76

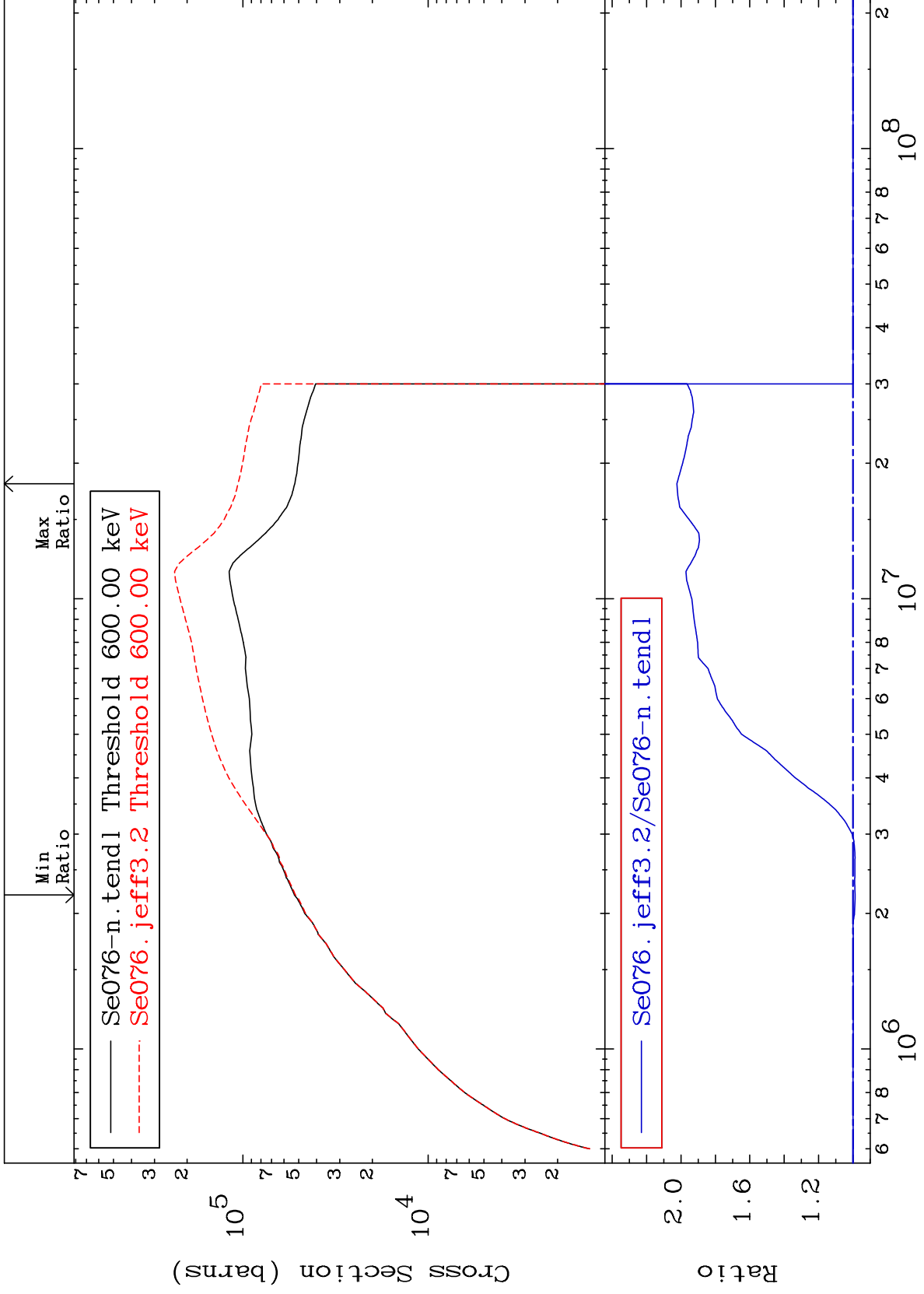
Incident Energy (eV)

34-Se-76

MAT 3431

Dpa inelastic (mt51-91)
Cross Section

³⁴Se-76
-1.260 To 102.4 %



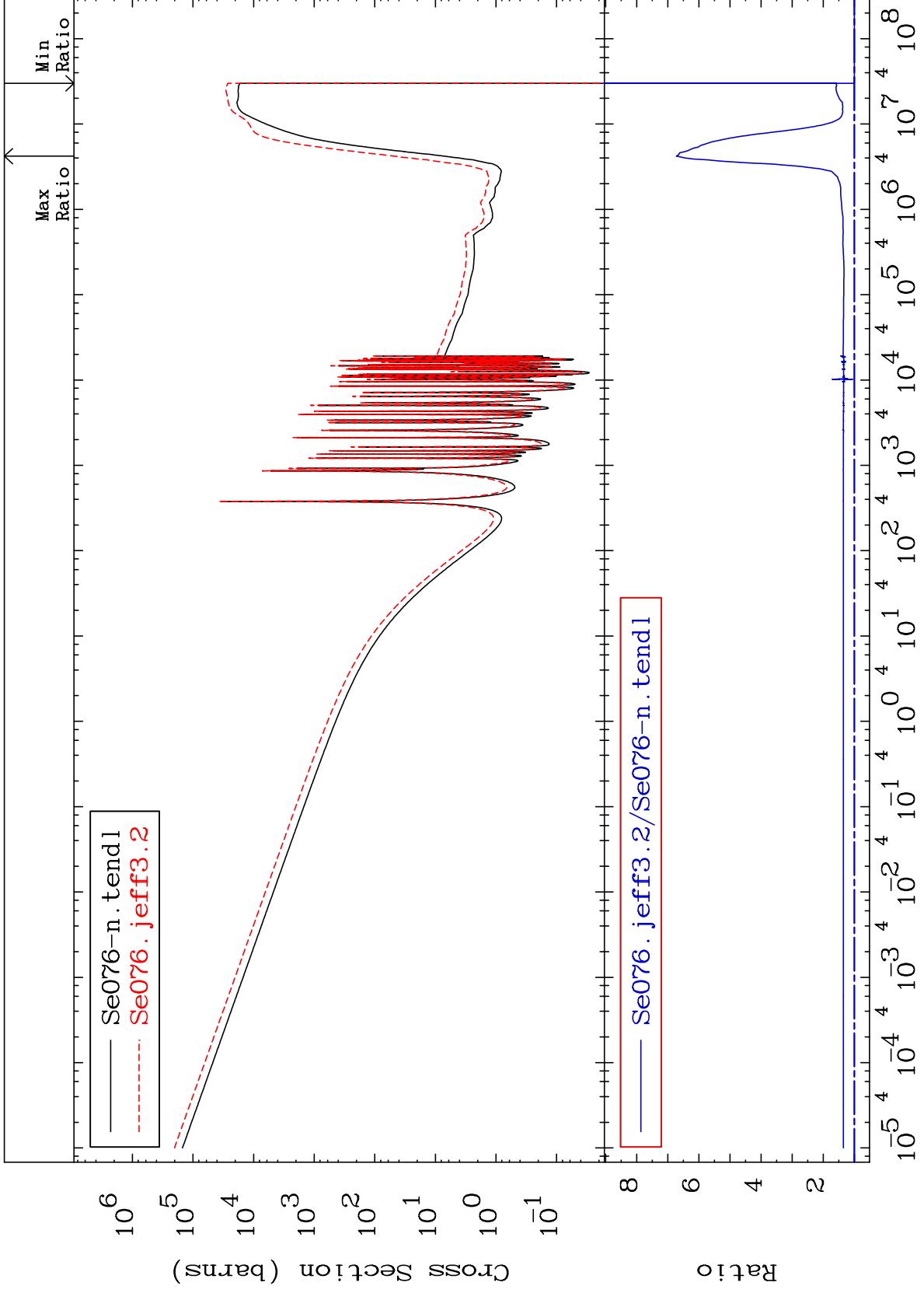
77

³⁴Se-76

MAT 3431

Dpa disappearance (mt102 -120)
Cross Section

0.000 To 572.5 %
34-Se-76



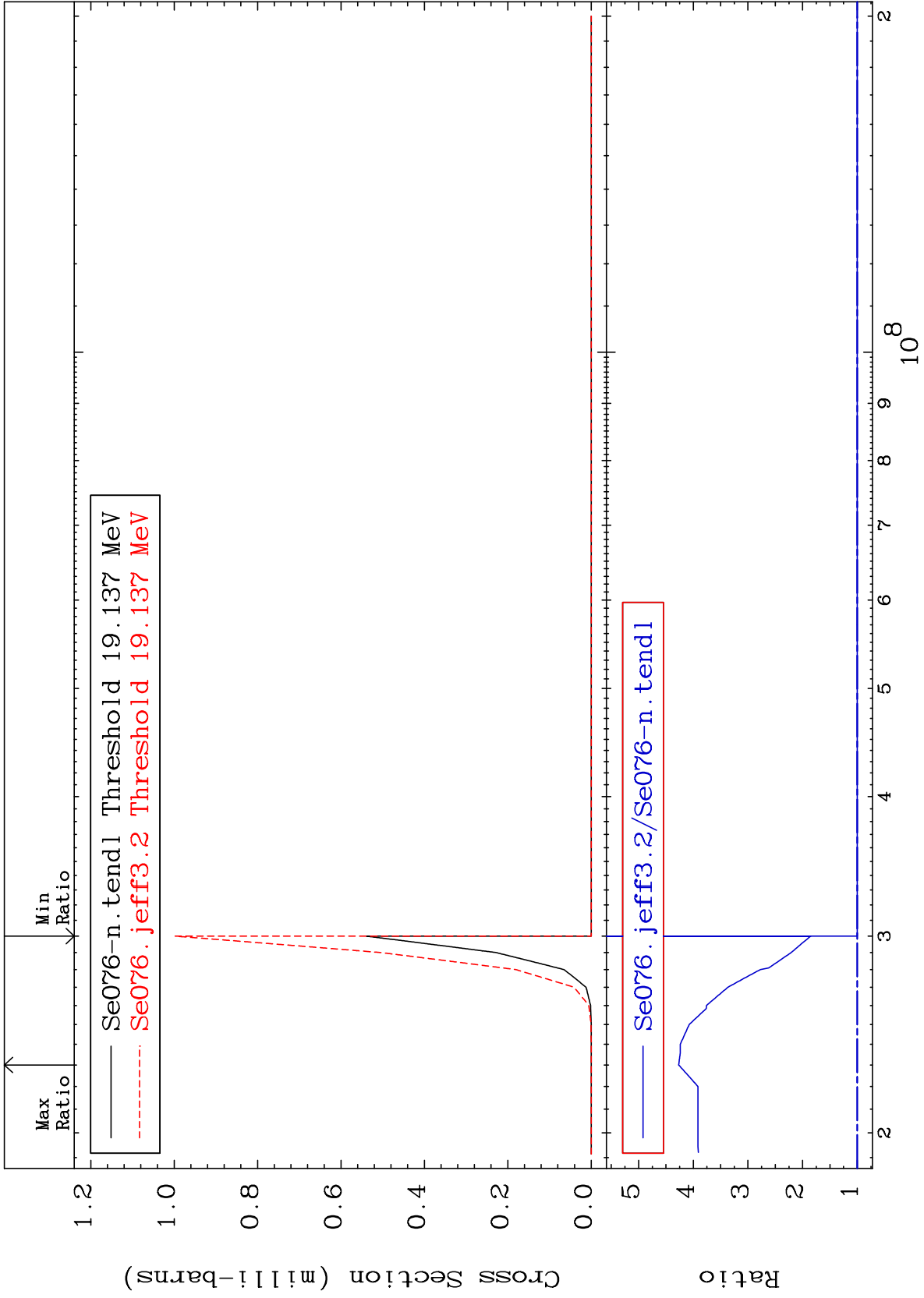
78

Incident Energy (eV)

34-Se-76

MAT 3431

(n, n') He-3: 32-Ge-73g 34-Se-76
Radionuclide Production Cross Section 0.000 To 326.8 %

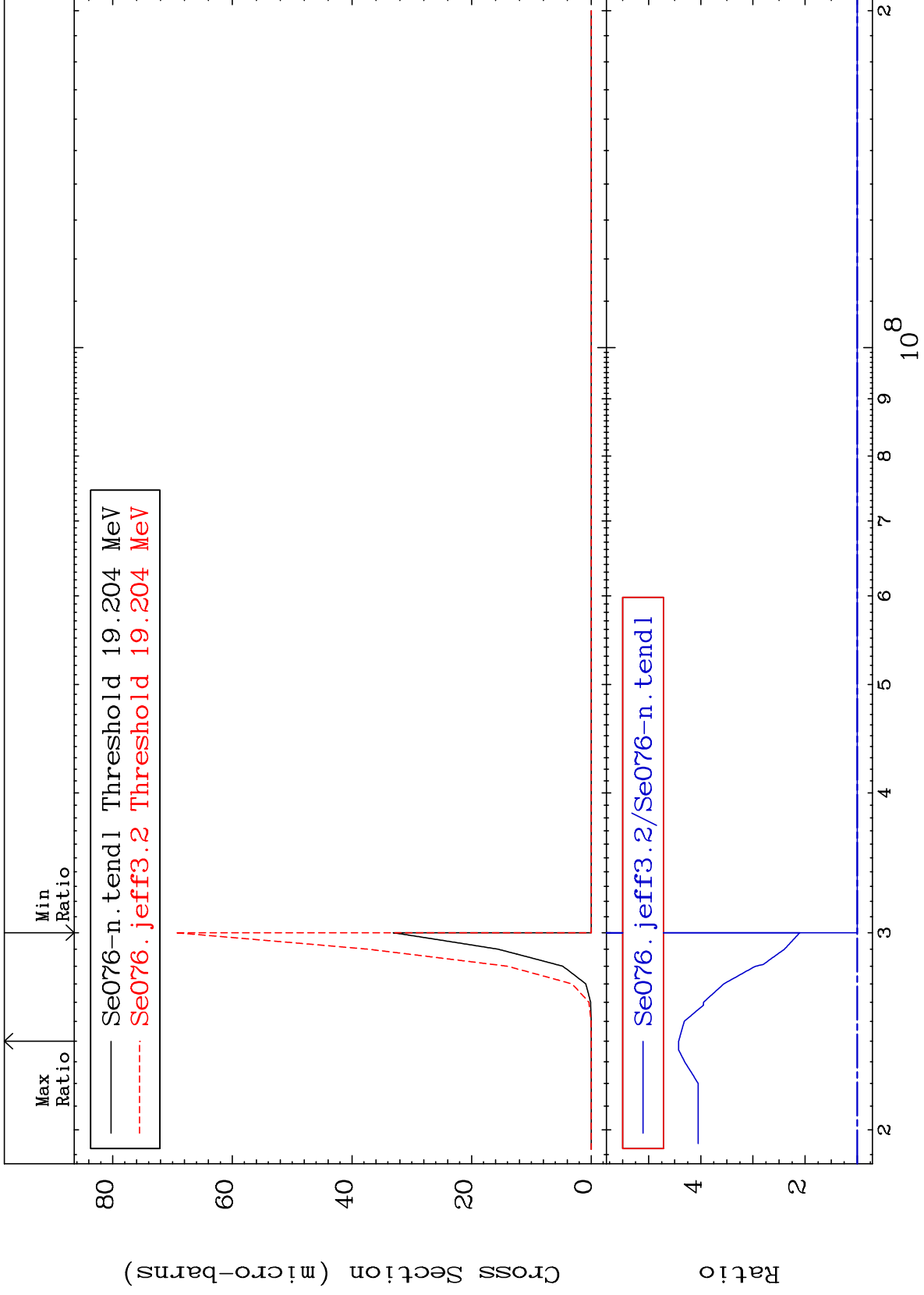


MAT 3431

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

34-Se-76

Radionuclide Production Cross Section 0.000 To 342.5 %



80

Incident Energy (eV)

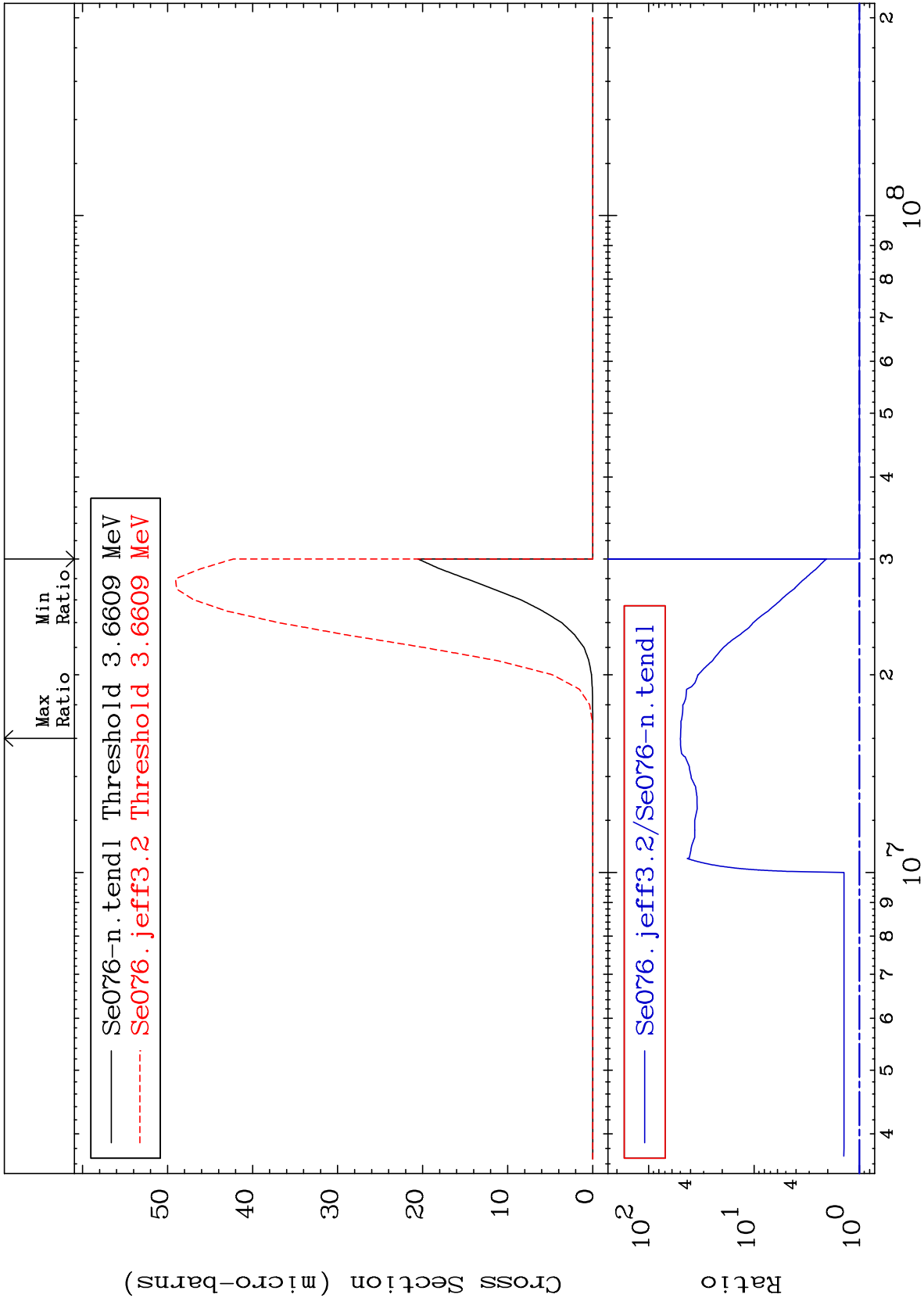
34-Se-76

MAT 3431

(n,2α) : 30-Zn-69g

³⁴Se-76

Radionuclide Production Cross Section 0.000 To 4903. %

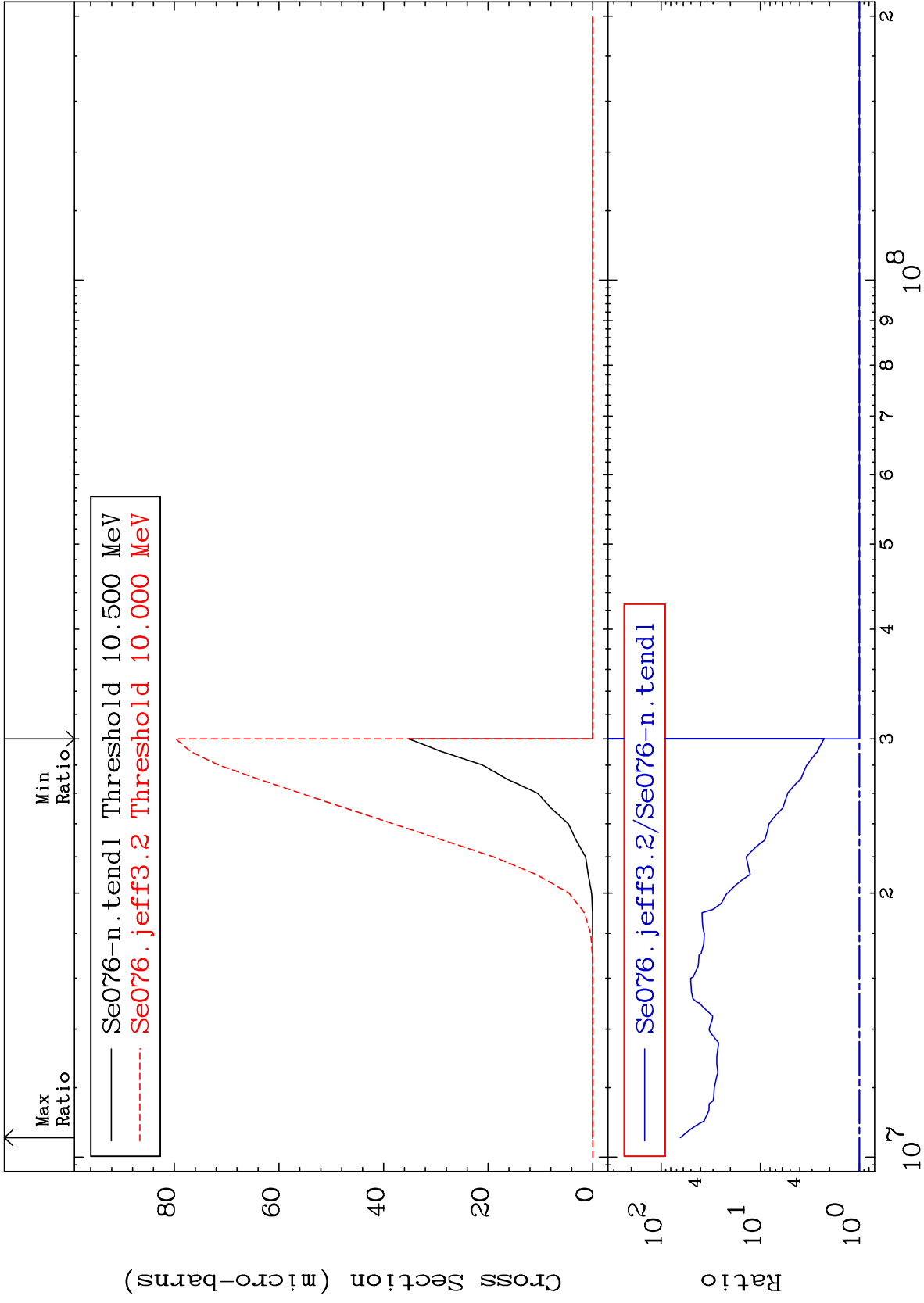


MAT 3431

(n,2α):30-Zn-69m1

34-Se-76

Radionuclide Production Cross Section 0.000 To 6302. %



82

Incident Energy (eV)

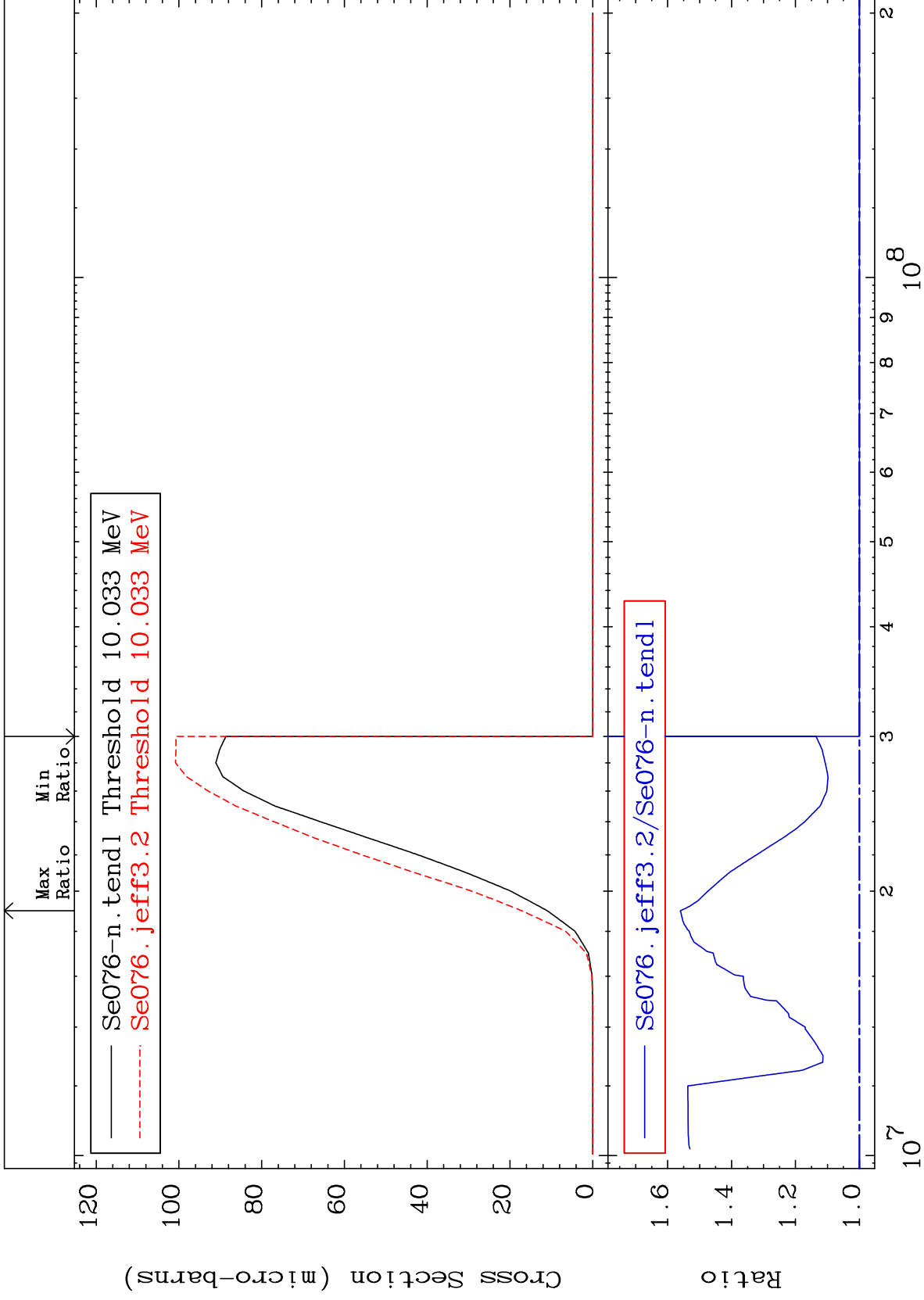
34-Se-76

MAT 3431

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

34-^{Se}-76

Radionuclide Production Cross Section 0.000 To 56.03 %



83

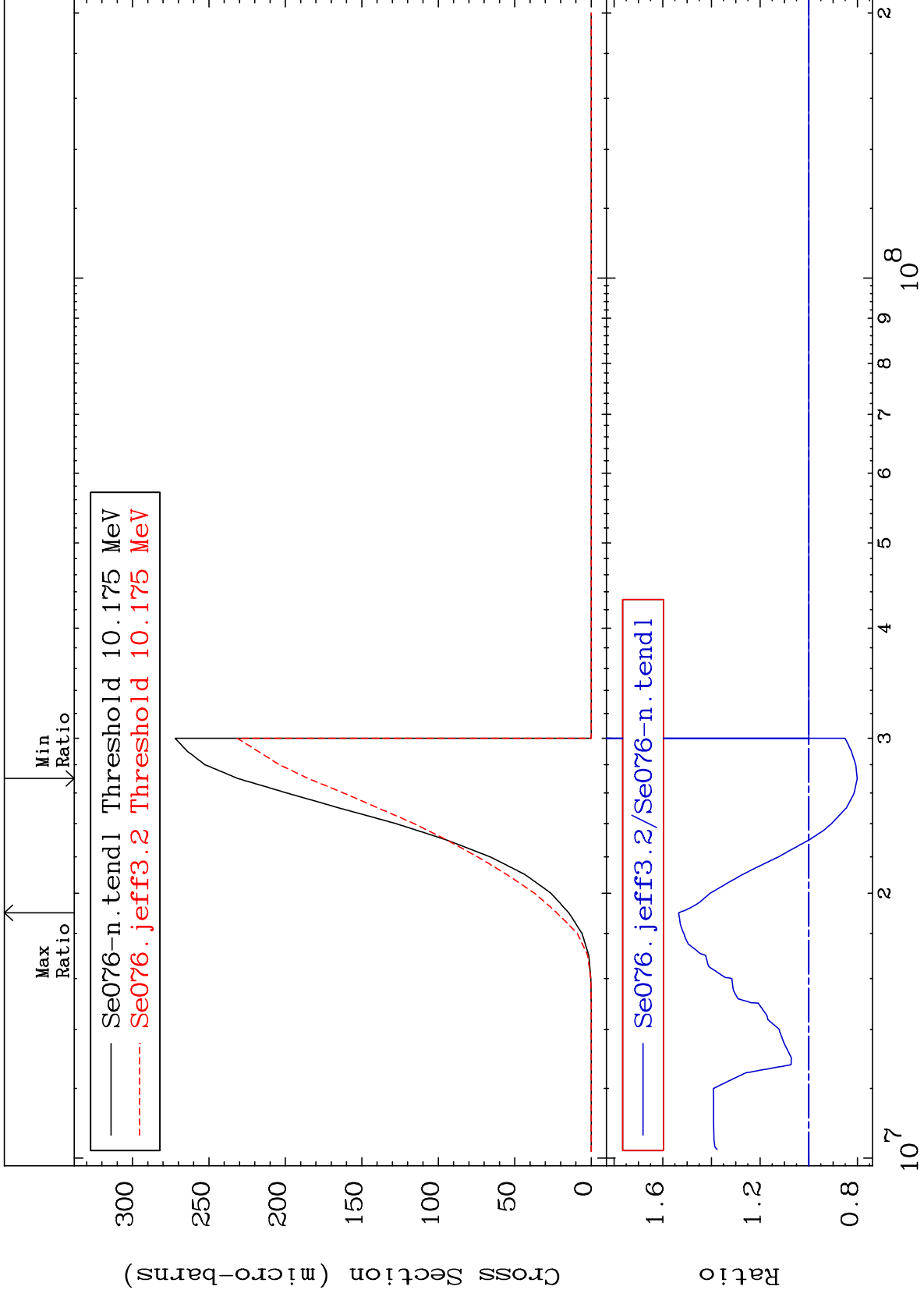
34-^{Se}-76

MAT 3431

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

34-^{Se}-76

Radionuclide Production Cross Section -19.92 To 53.47 %



84

Incident Energy (eV)

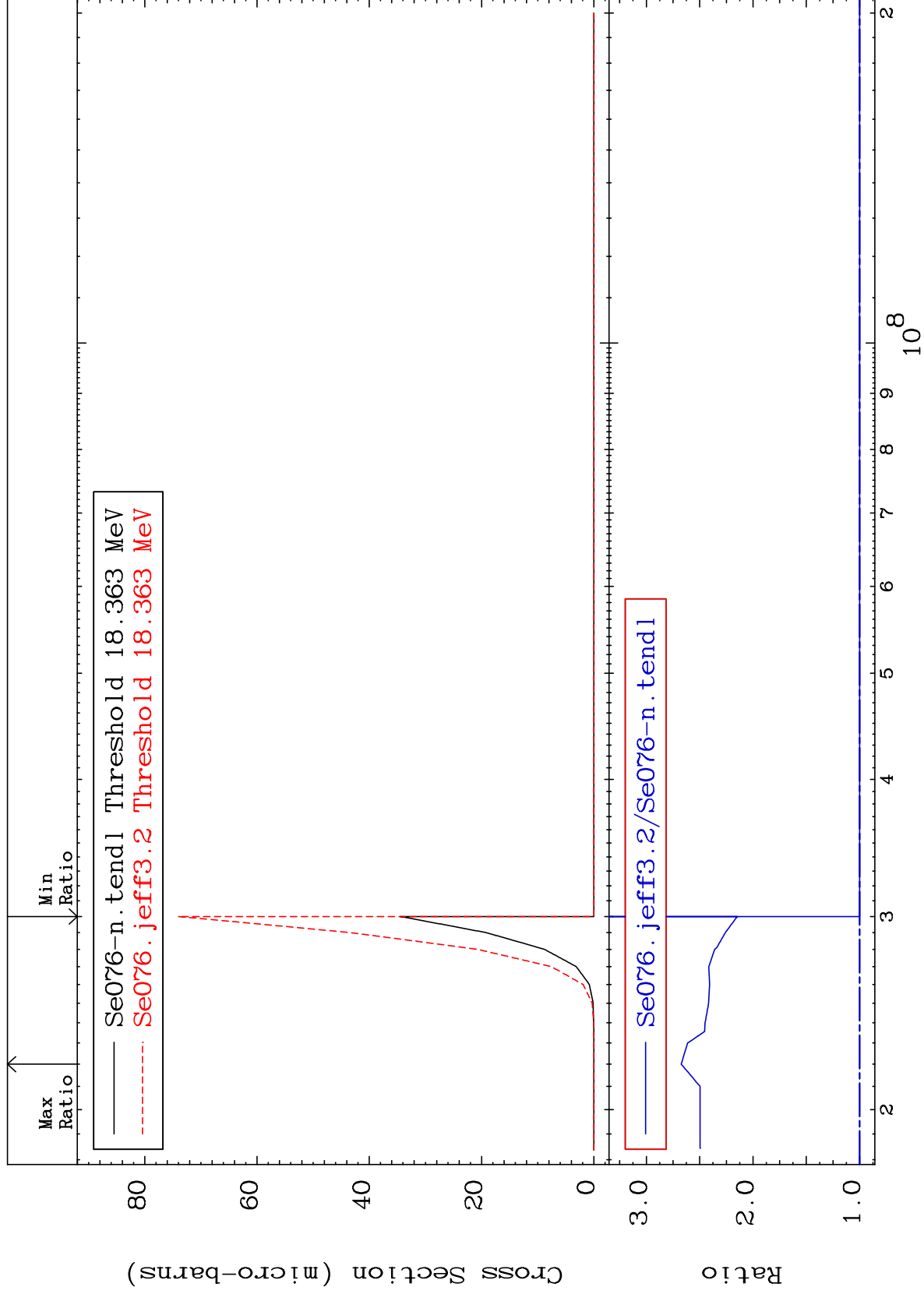
34-^{Se}-76

MAT 3431

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

³⁴Se-76

Radionuclide Production Cross Section 0.000 To 167.3 %



85

Incident Energy (eV)

³⁴Se-76

MAT 3431

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

34-^{Se}-76

Radionuclide Production Cross Section 0.000 To 227.3 %

