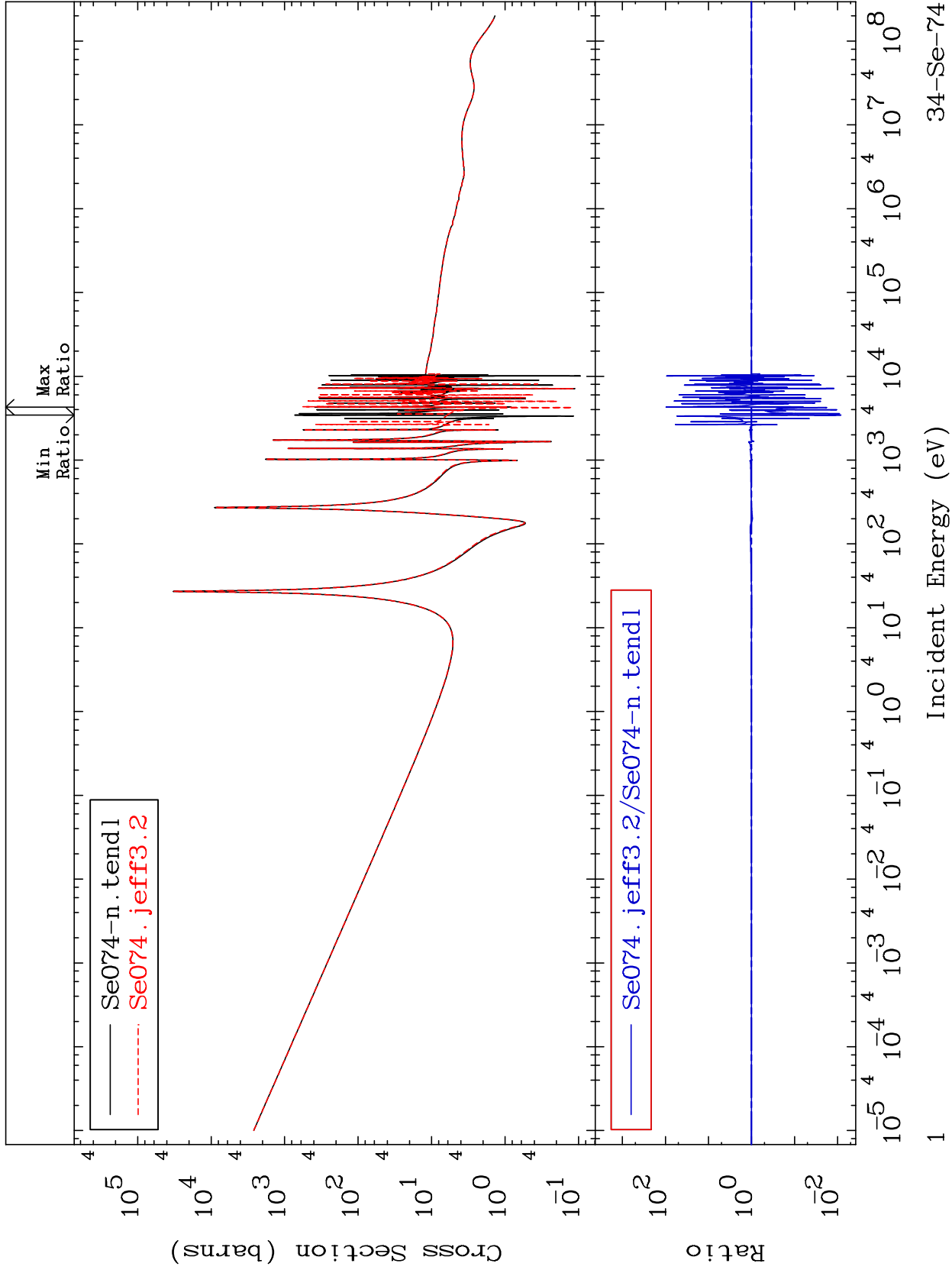


MAT 3425

Total
Cross Section

34-Se-74
-99.16 To 9631. %

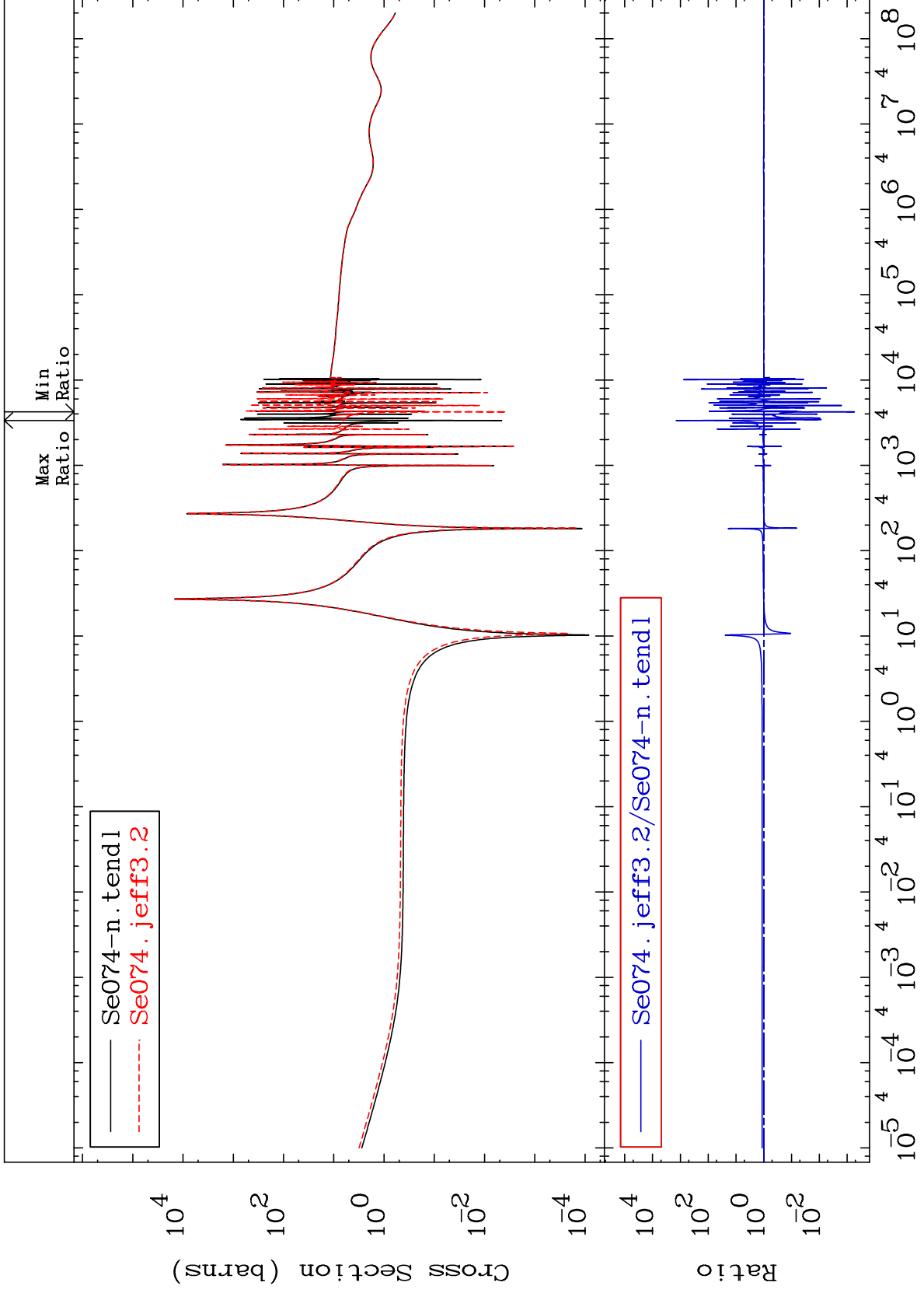


34-Se-74

MAT 3425

Elastic
Cross Section

34-Se-74
-99.95 To 9999. %

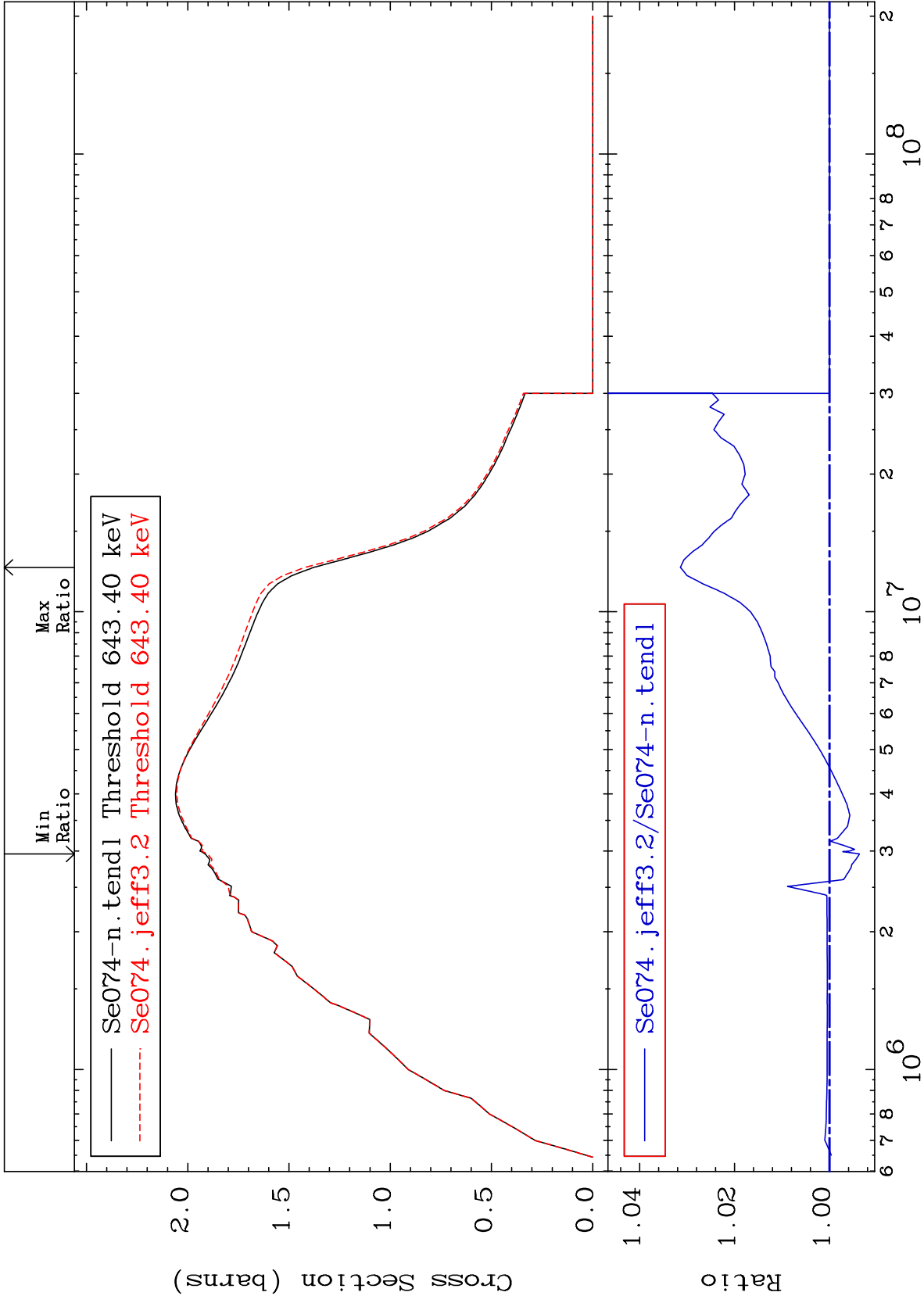


MAT 3425

³⁴Se-74

Inelastic
Cross Section

-0.630 To 3.142 %



3

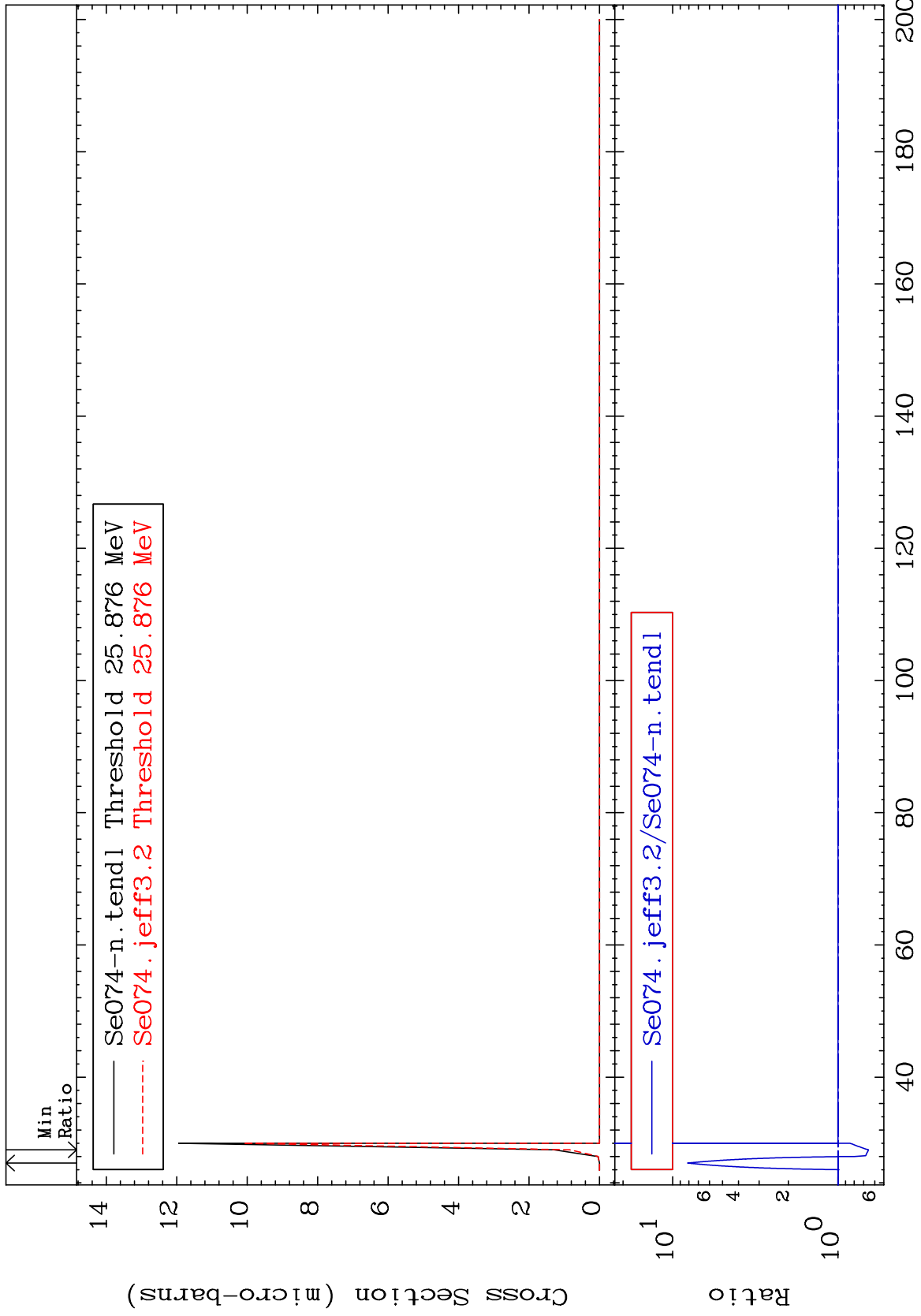
Incident Energy (eV)

³⁴Se-74

MAT 3425

(n,2n) d
Cross Section

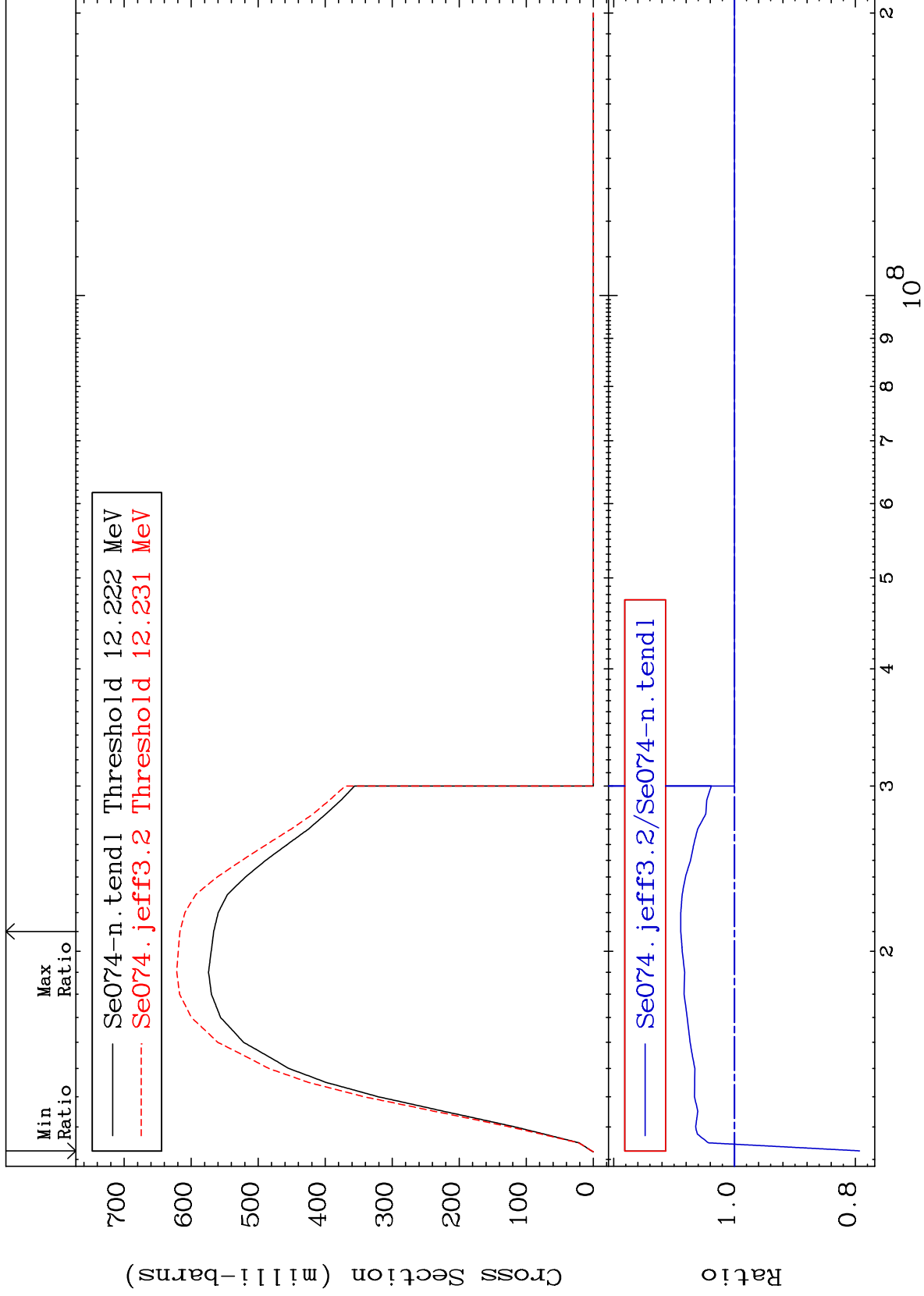
³⁴Se-74
-34.51 To 710.1 %



MAT 3425

(n,2n)
Cross Section

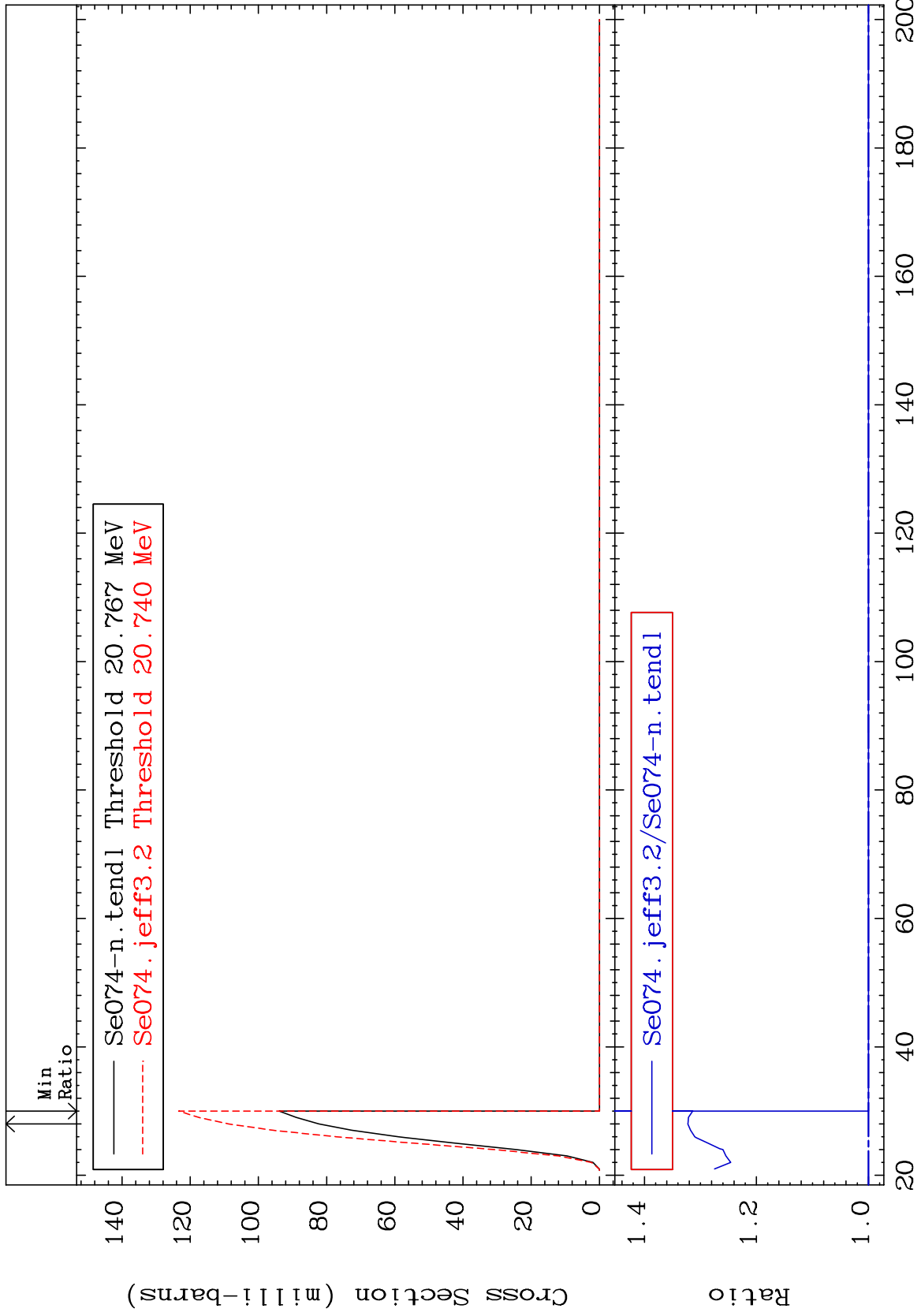
³⁴Se-74
-20.69 To 8.892 %



MAT 3425

(n,3n)
Cross Section

34-Se-74
0.000 To 32.24 %



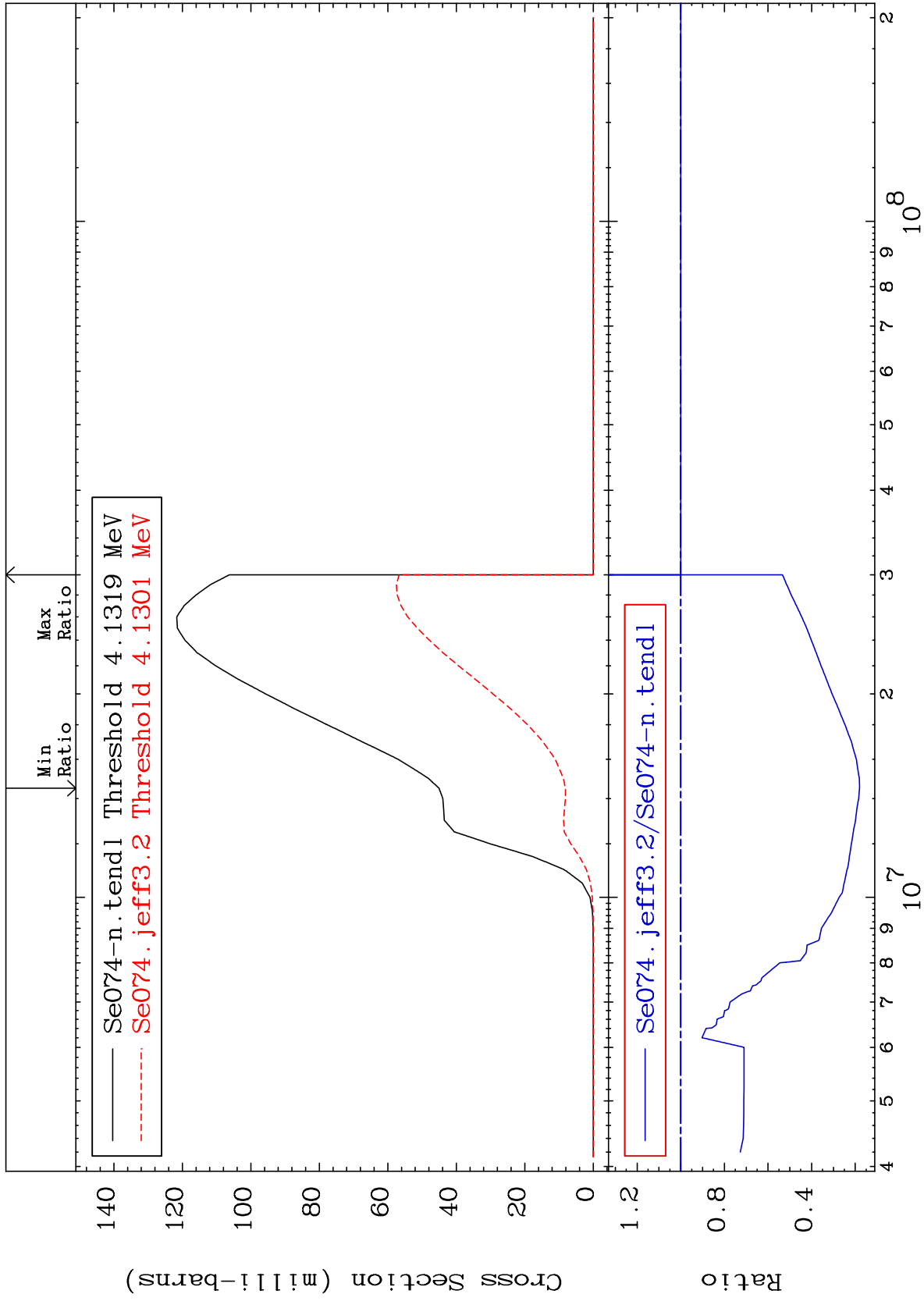
Incident Energy (MeV)

34-Se-74

MAT 3425

$^{34}\text{Se-74}$

$(n, n') \alpha$
Cross Section
-81.96 To 0.000 %



$^{34}\text{Se-74}$

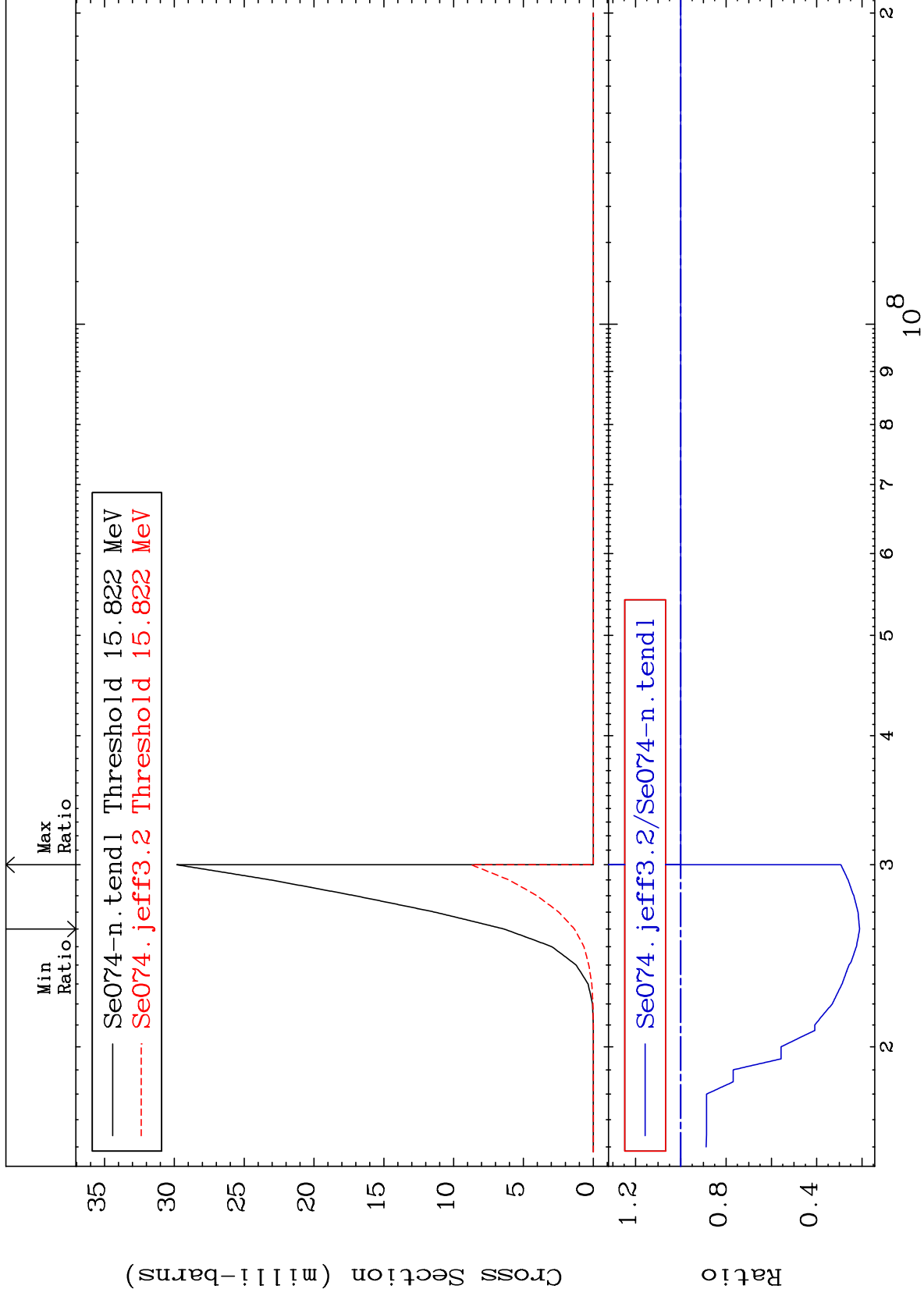
Incident Energy (eV)

7

MAT 3425

(n,2n) α
Cross Section

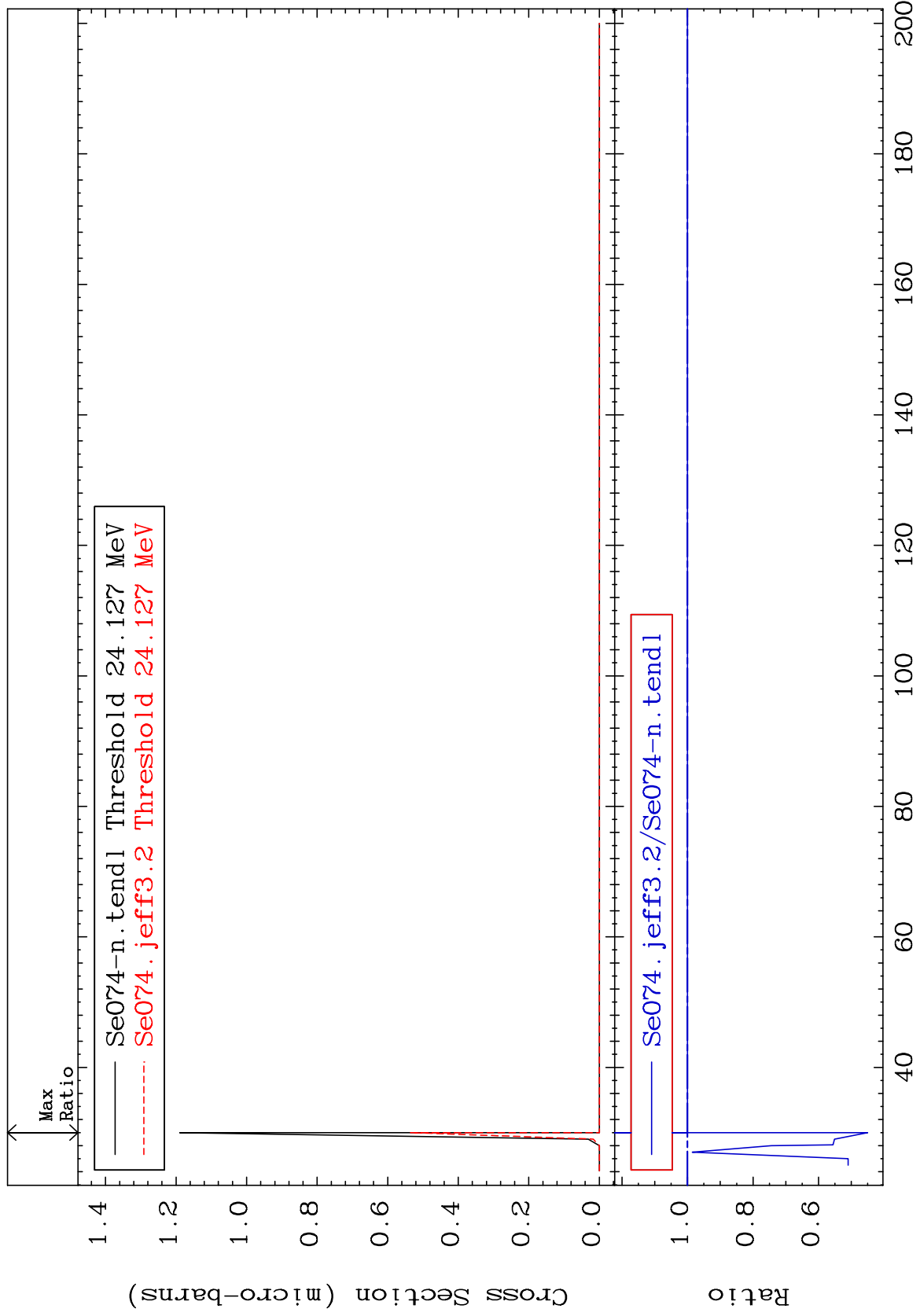
³⁴Se-74
-78.92 To 0.000 %



MAT 3425

(n,3n) α
Cross Section

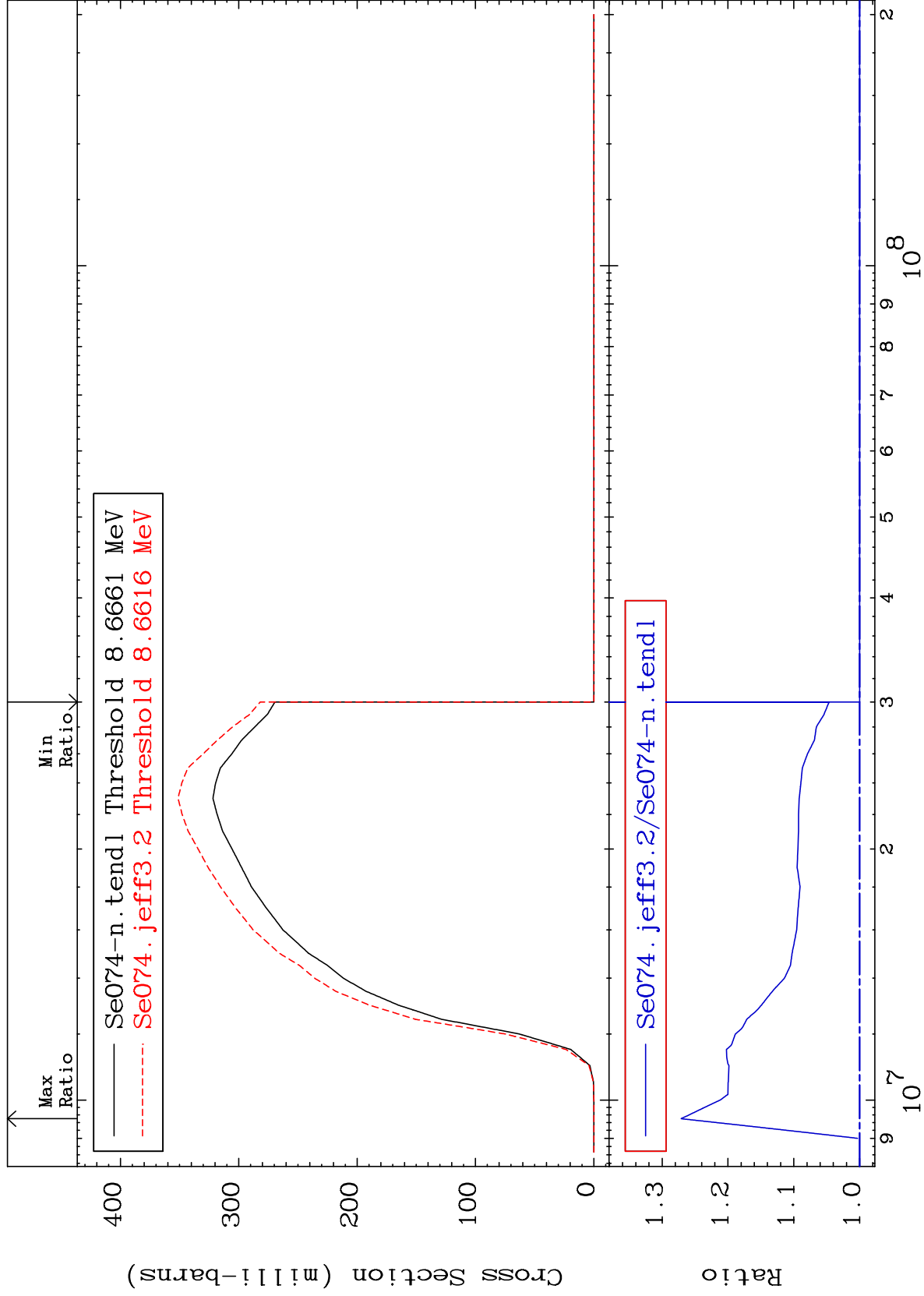
³⁴Se-74
-54.98 To 0.000 %



MAT 3425

(n,n') p
Cross Section

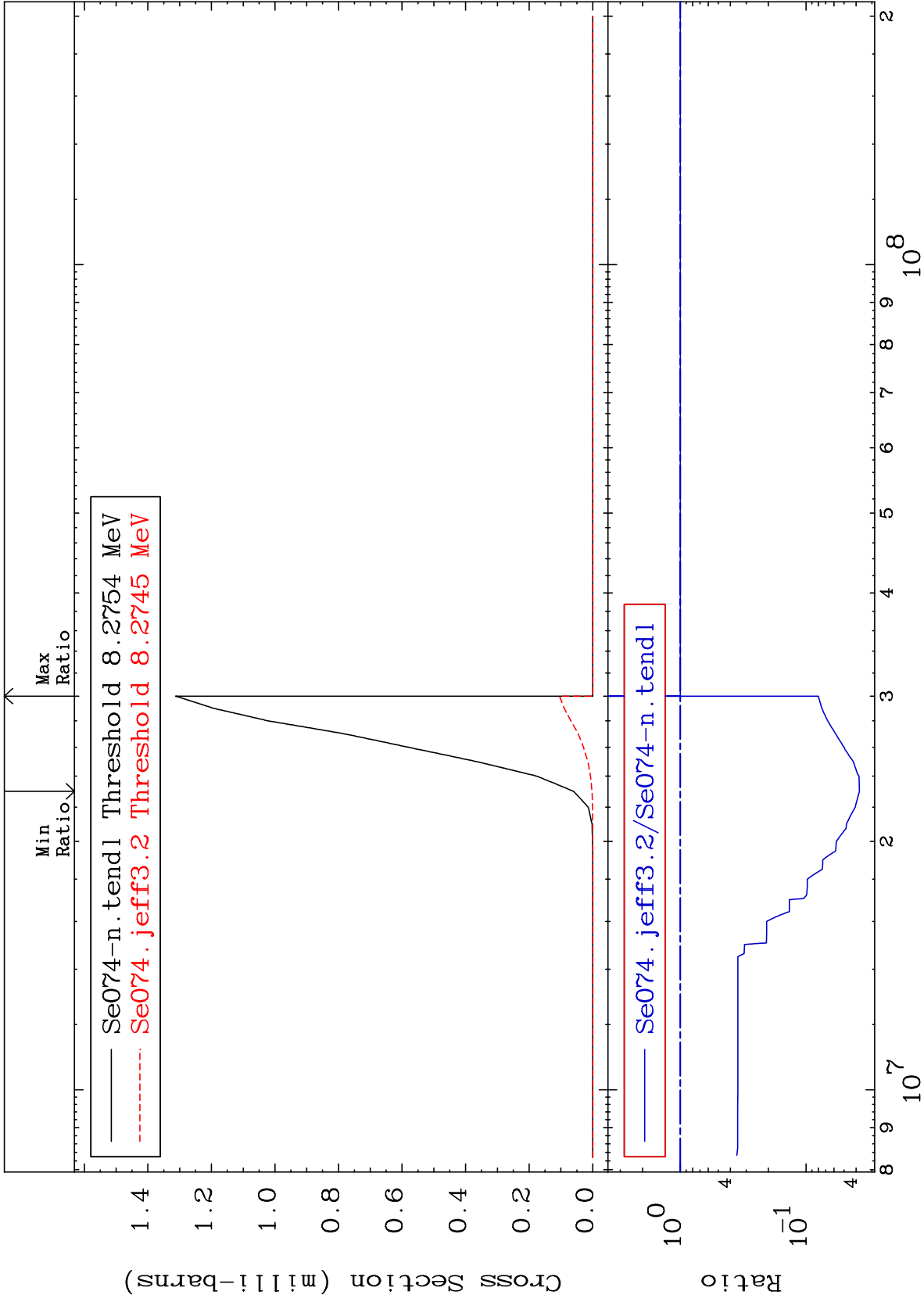
³⁴Se-74
To 27.11 %
0.000



MAT 3425

(n, n') 2α
Cross Section

$^{34}\text{Se-74}$
-96.23 To 0.000 %



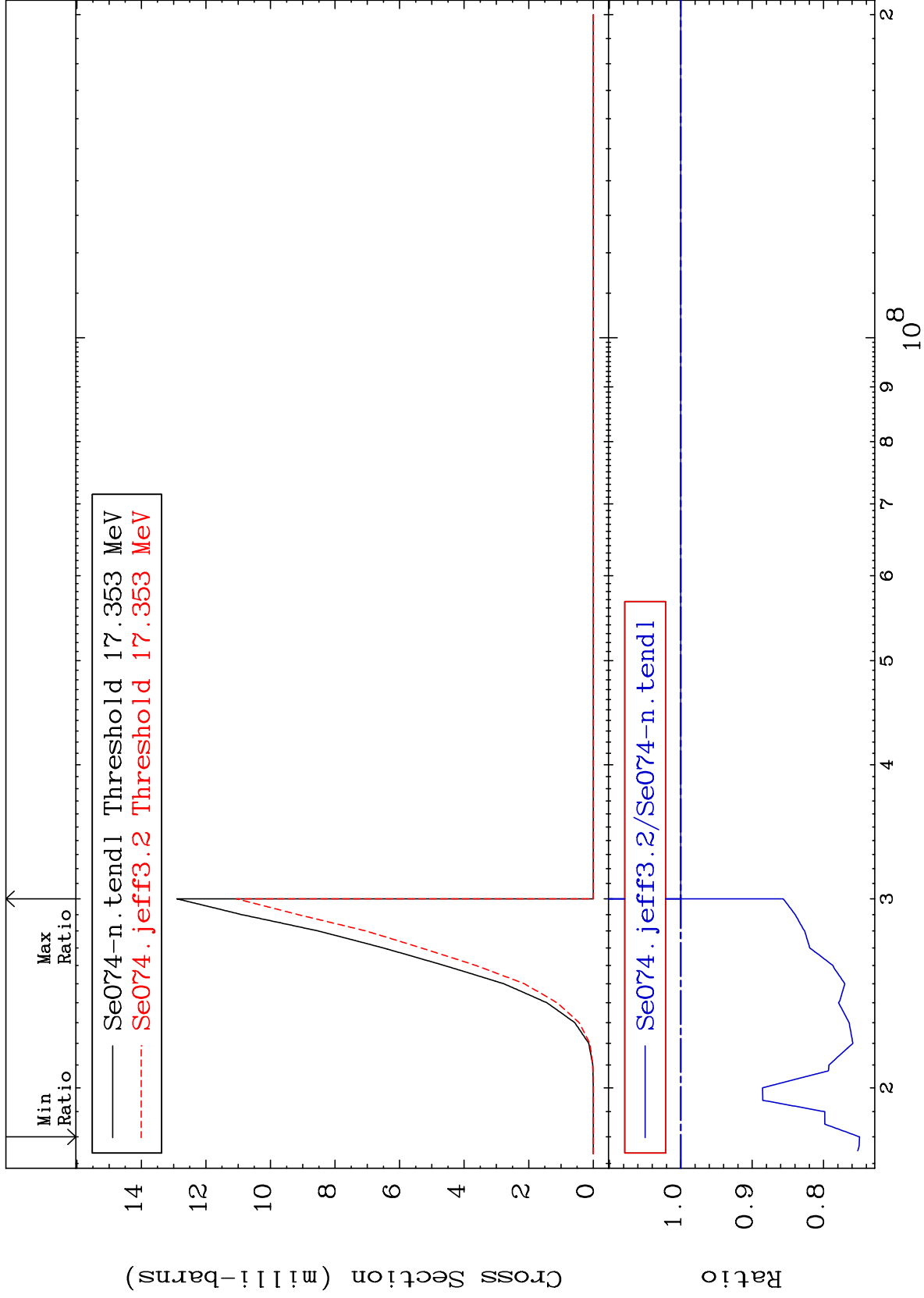
MAT 3425

(n,n') d

³⁴Se-74

Cross Section

-25.04 To 0.000 %



12

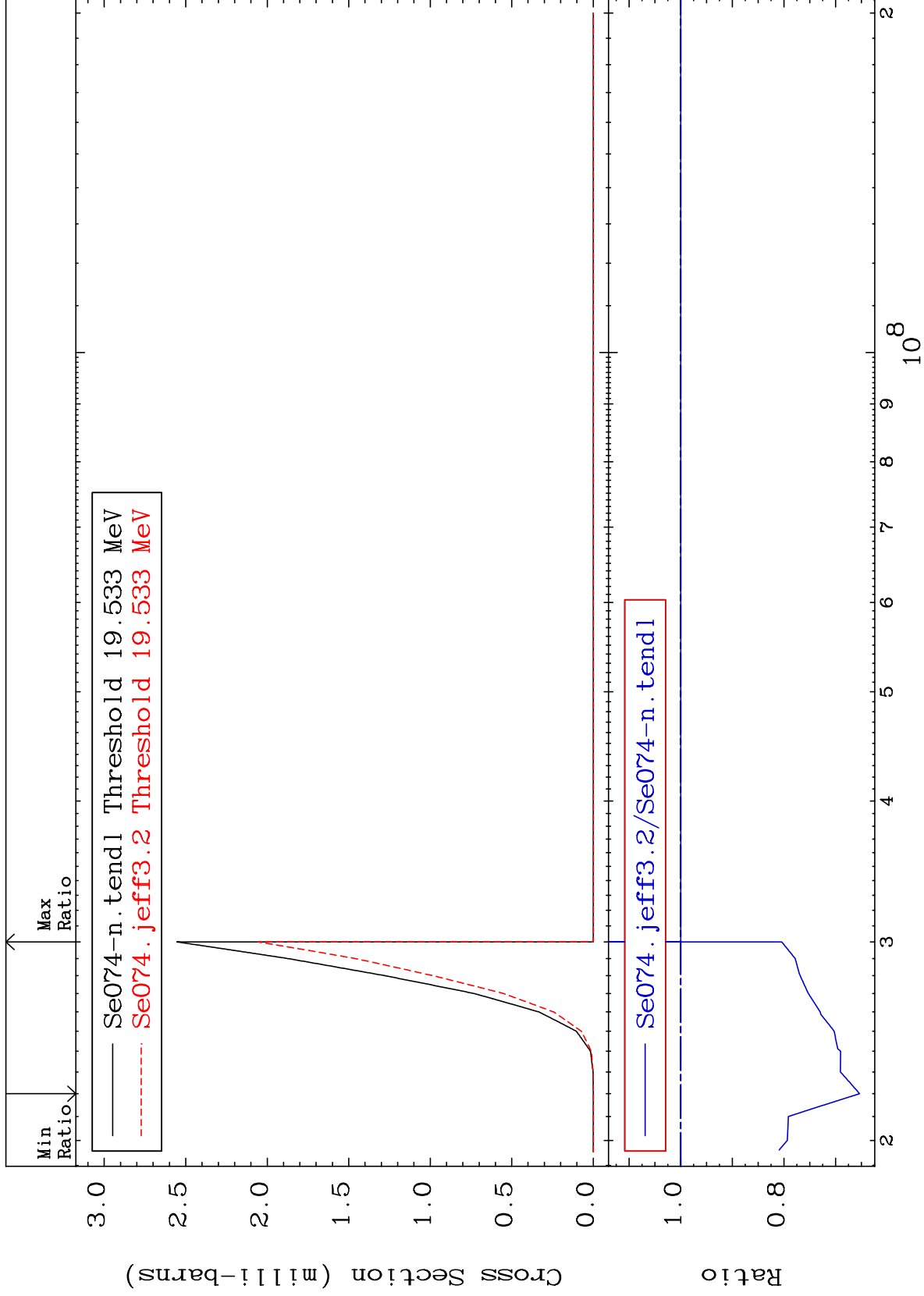
Incident Energy (eV)

³⁴Se-74

MAT 3425

(n, n') t
Cross Section

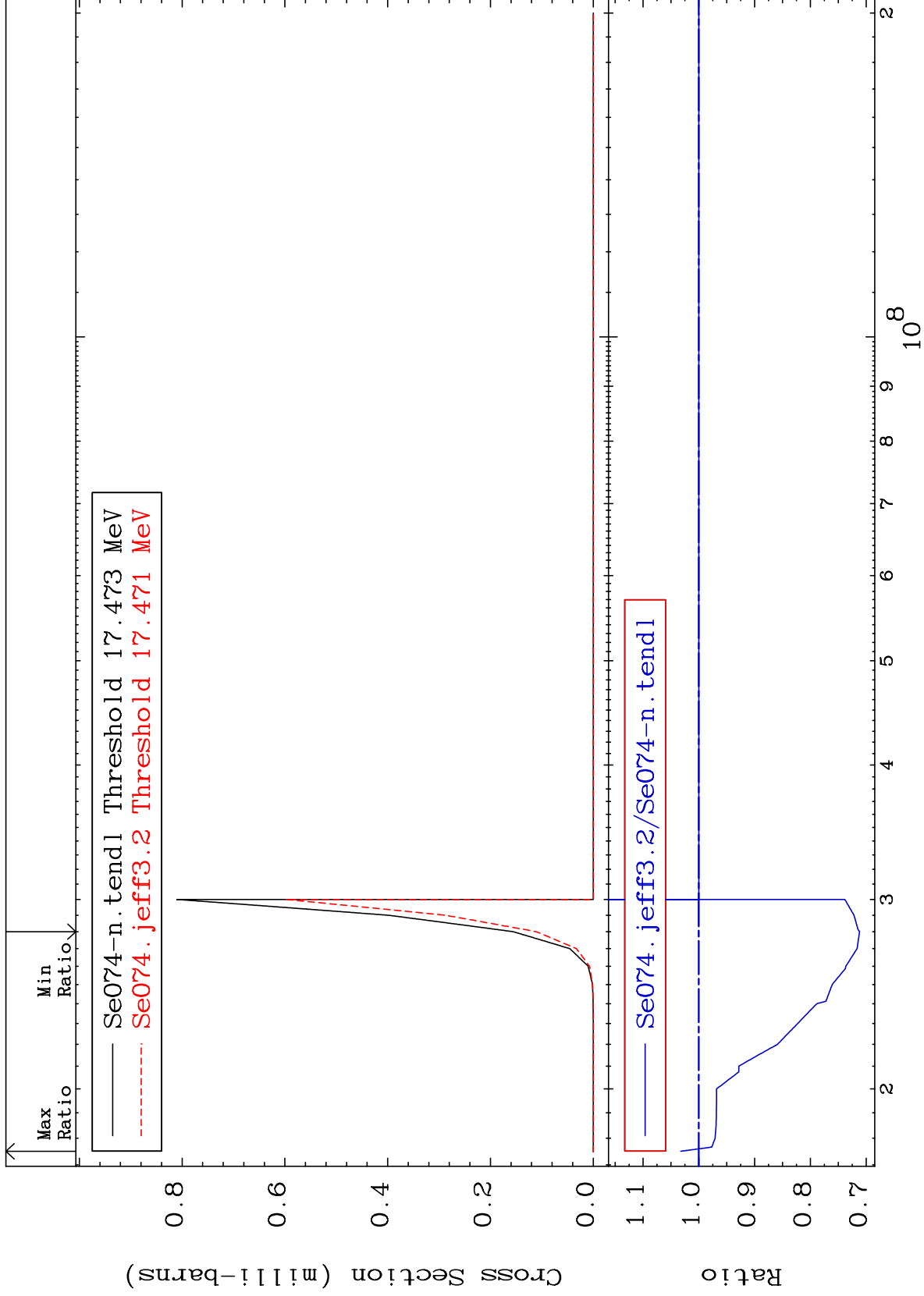
³⁴Se-74
-34.63 To 0.000 %



MAT 3425

(n, n') He-3
Cross Section

³⁴Se-74
-28.82 To 3.227 %



14

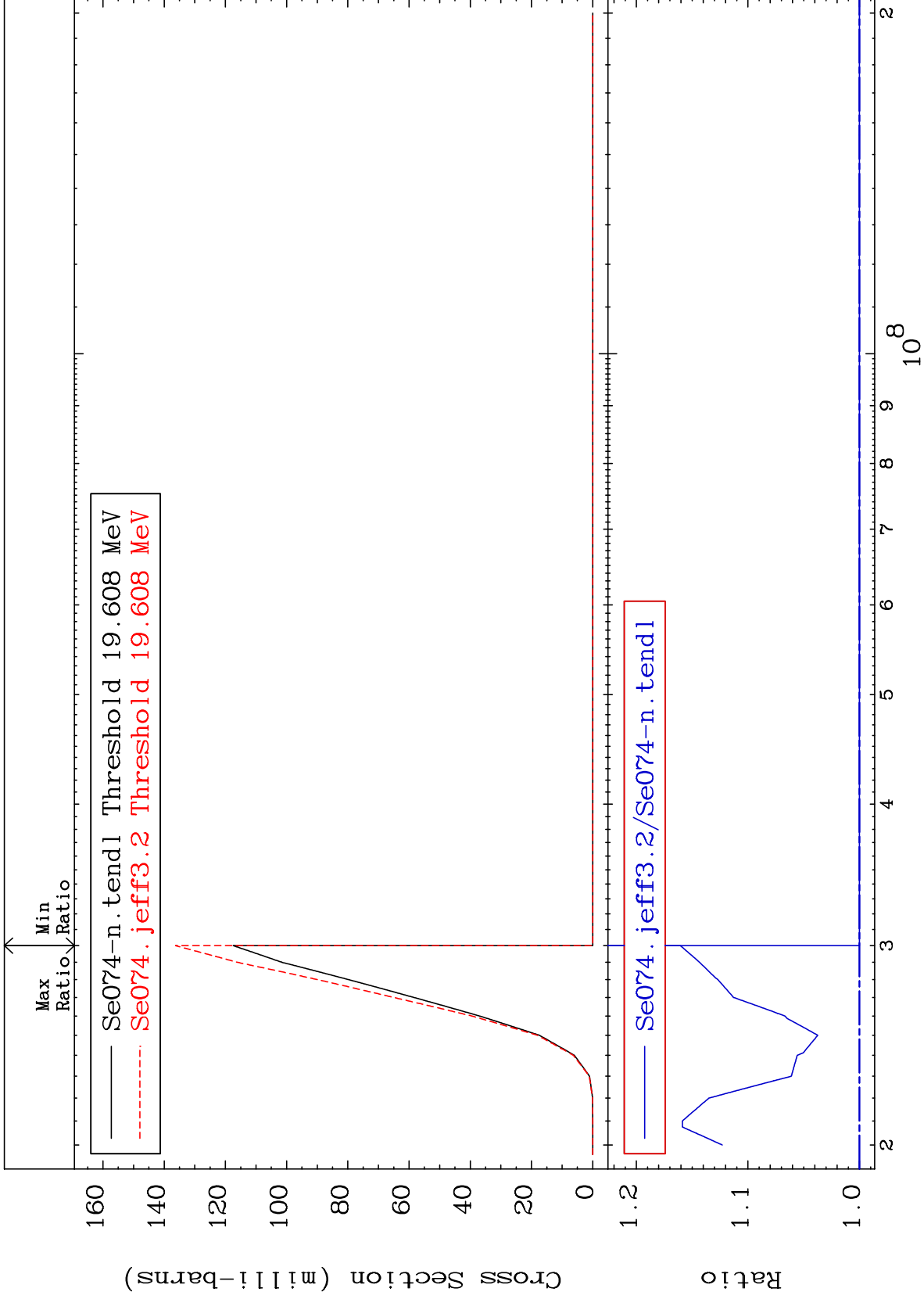
Incident Energy (eV)

³⁴Se-74

MAT 3425

(n,2n) p
Cross Section

³⁴Se-74
0.000 To 16.05 %



15

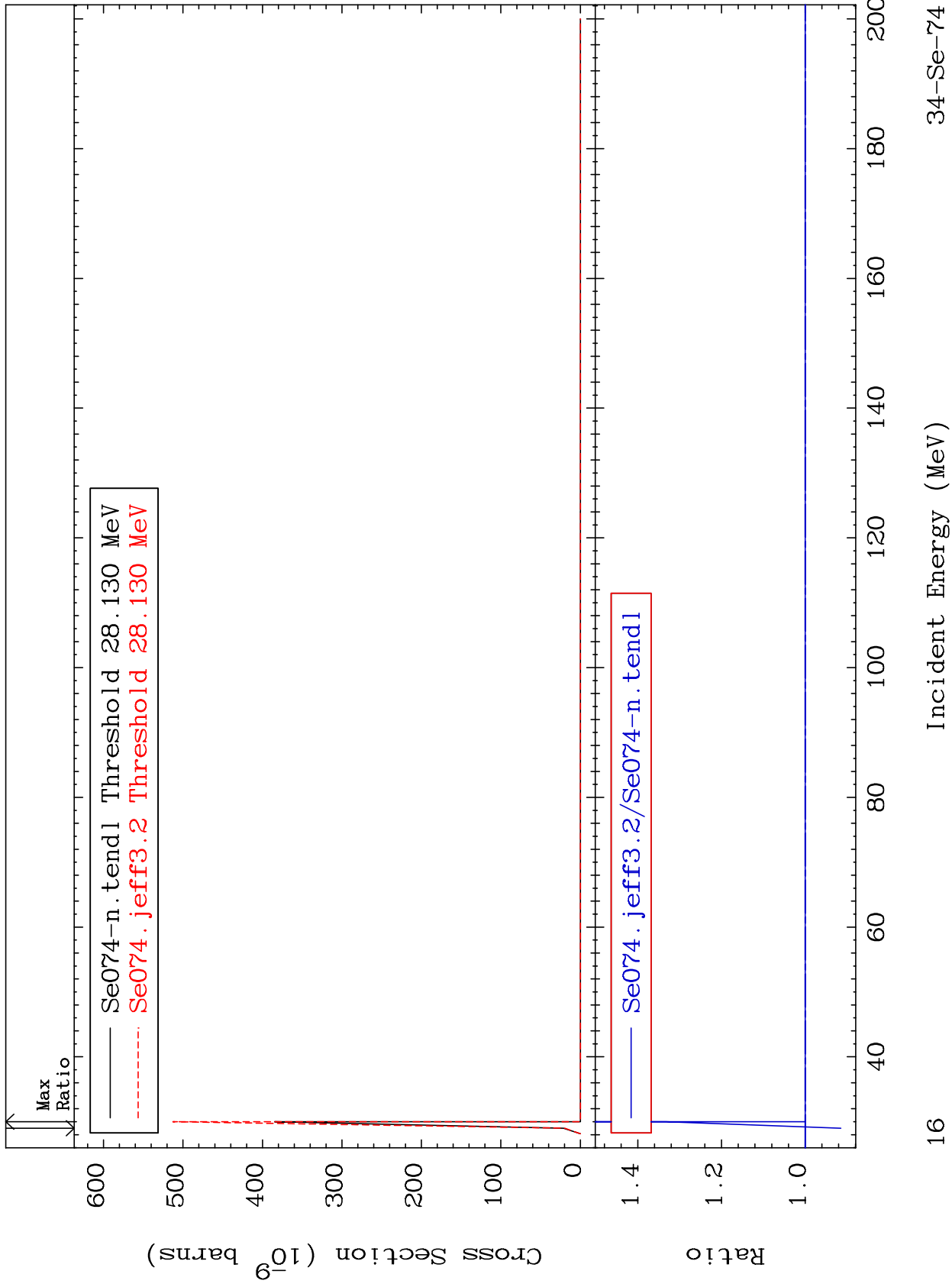
Incident Energy (eV)

³⁴Se-74

MAT 3425

(n,3n) p
Cross Section

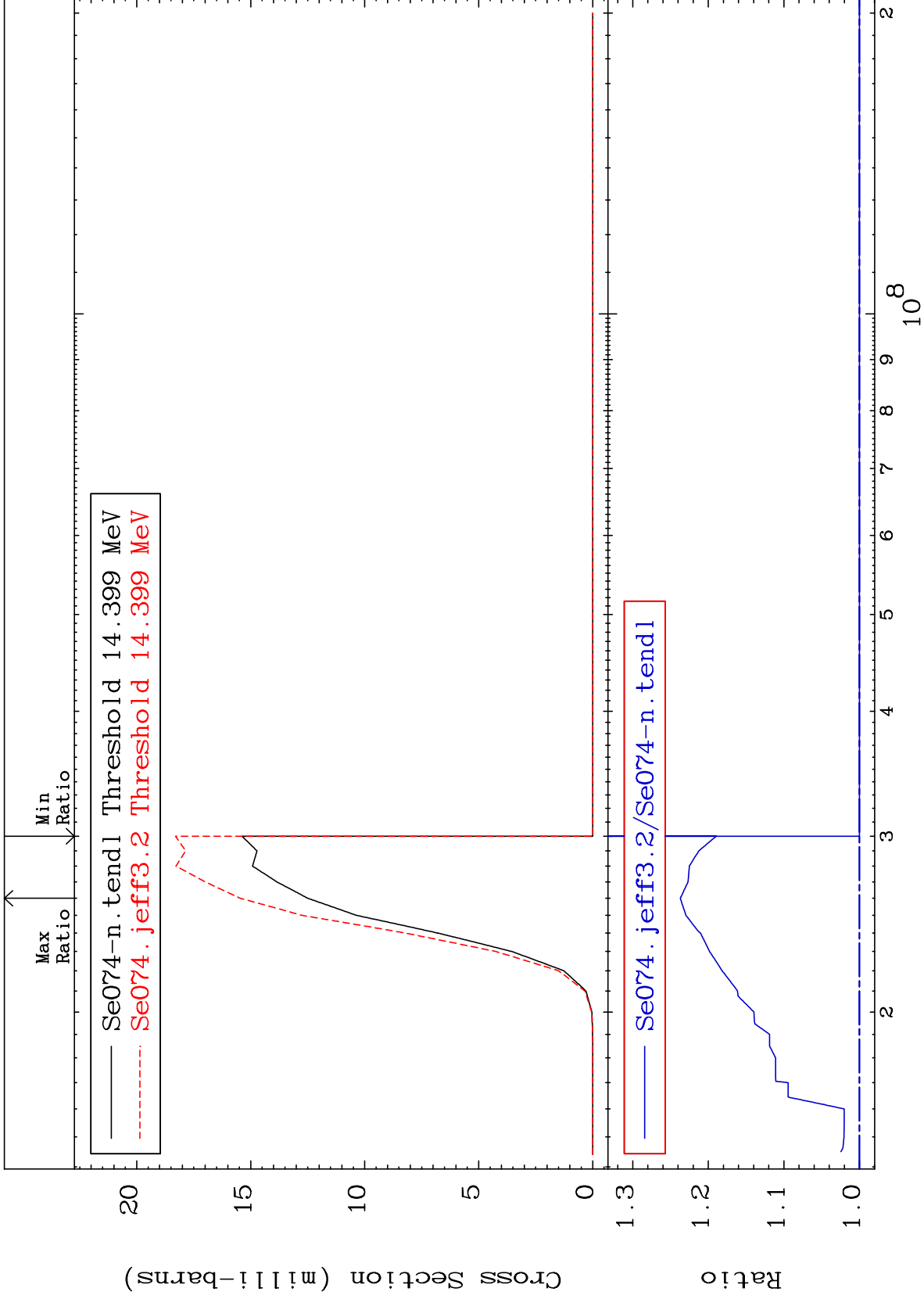
³⁴Se-74
-8.514 To 33.27 %



MAT 3425

(n,2n) p
Cross Section

³⁴Se-74
To 23.70 %
0.000



17

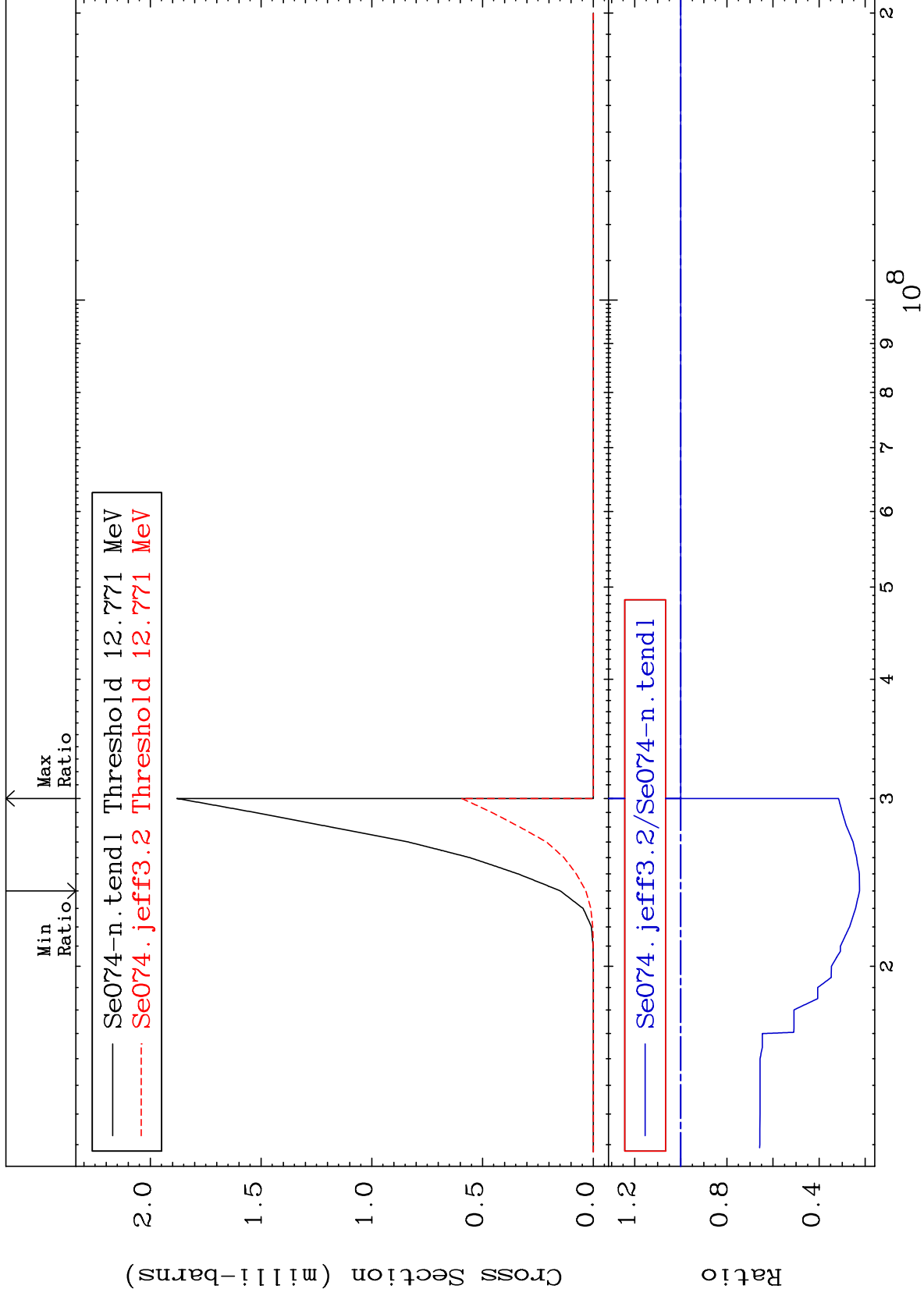
Incident Energy (eV)

³⁴Se-74

MAT 3425

(n,n') p α
Cross Section

³⁴Se-74
-77.52 To 0.000 %



18

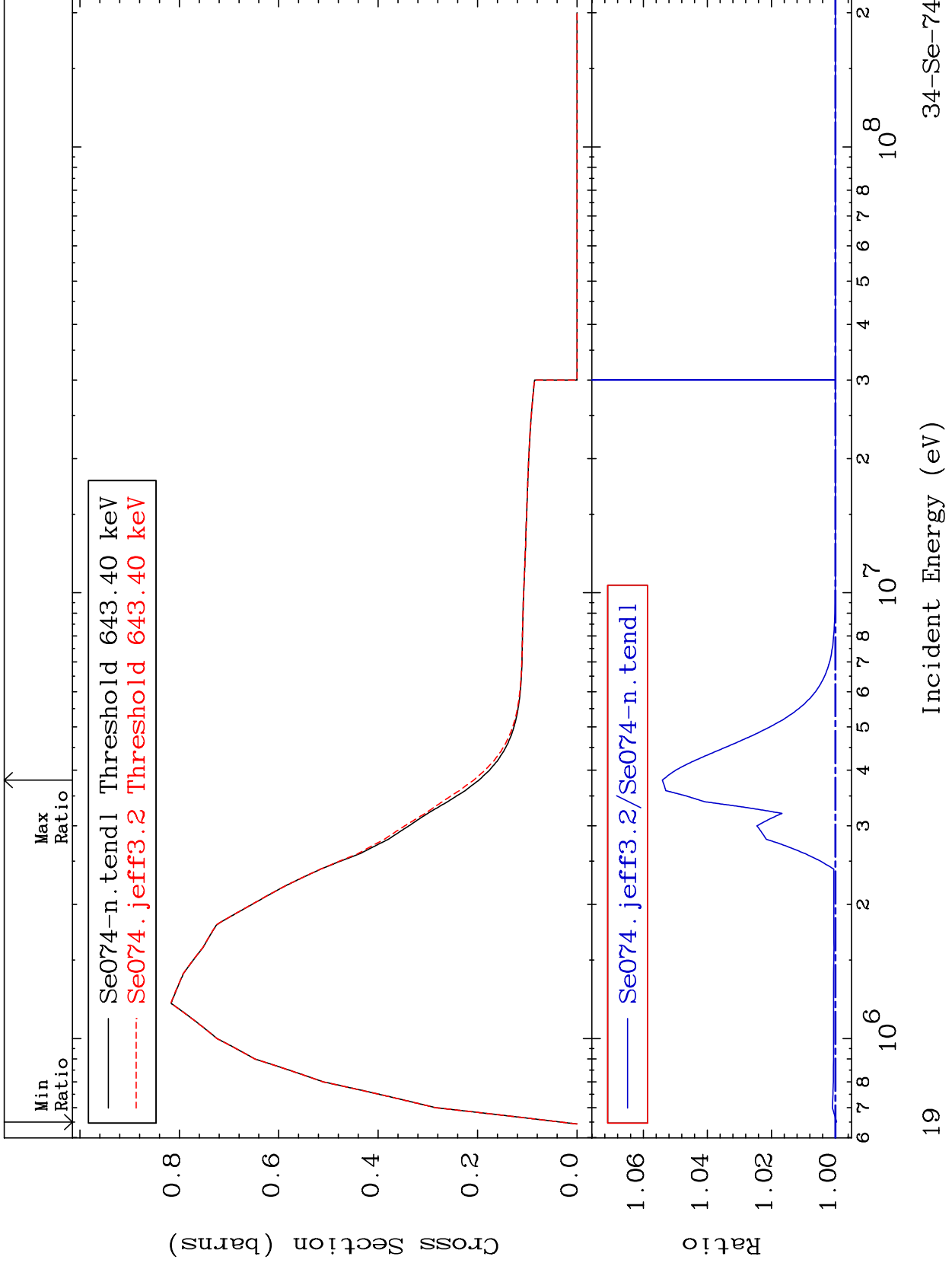
Incident Energy (eV)

³⁴Se-74

MAT 3425

634.7 keV (n,n') Level
Cross Section

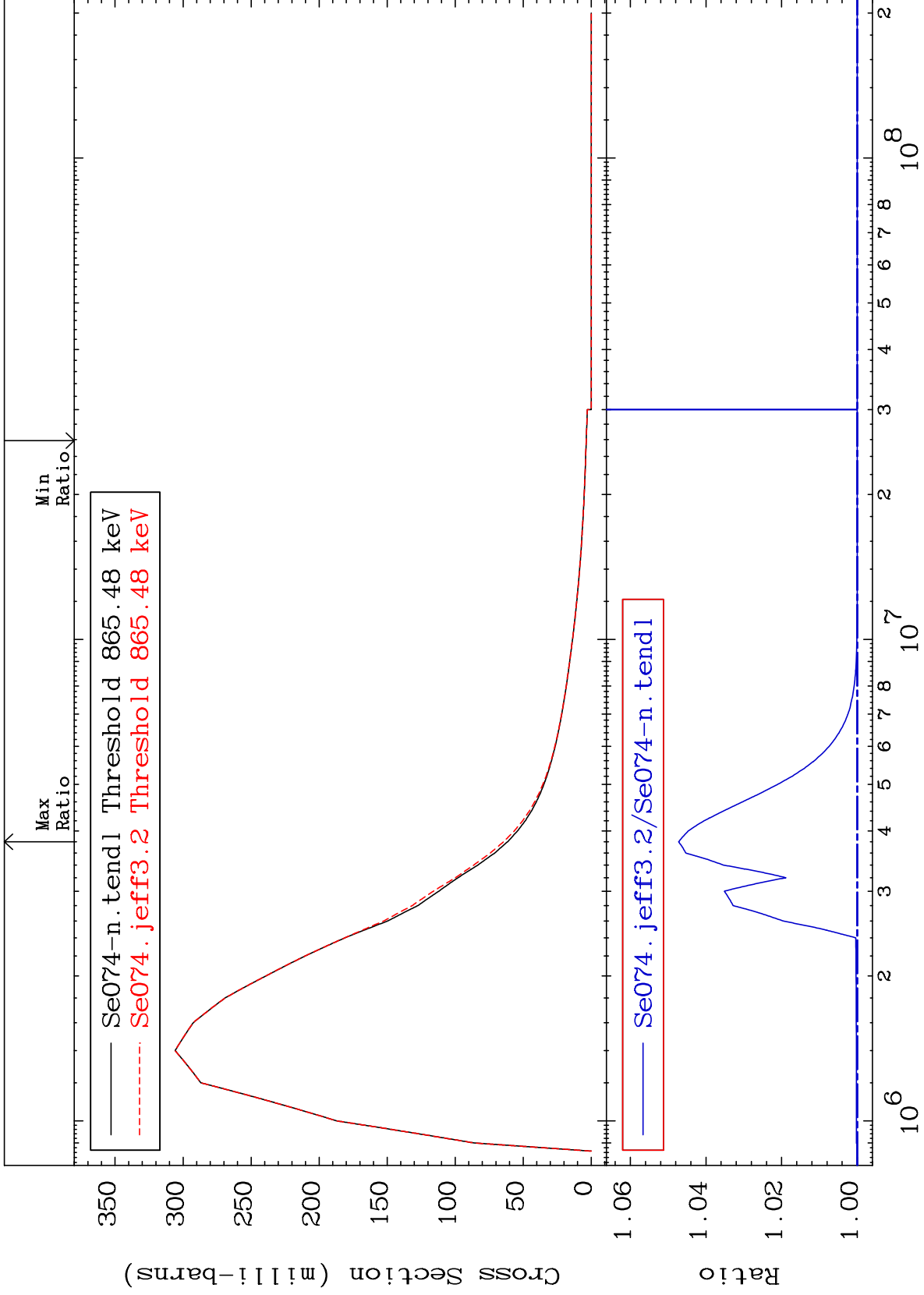
34-Se-74
-0.038 To 5.407 %



MAT 3425

853.8 keV (n,n') Level
Cross Section

34-Se-74
0.000 To 4.724 %



20

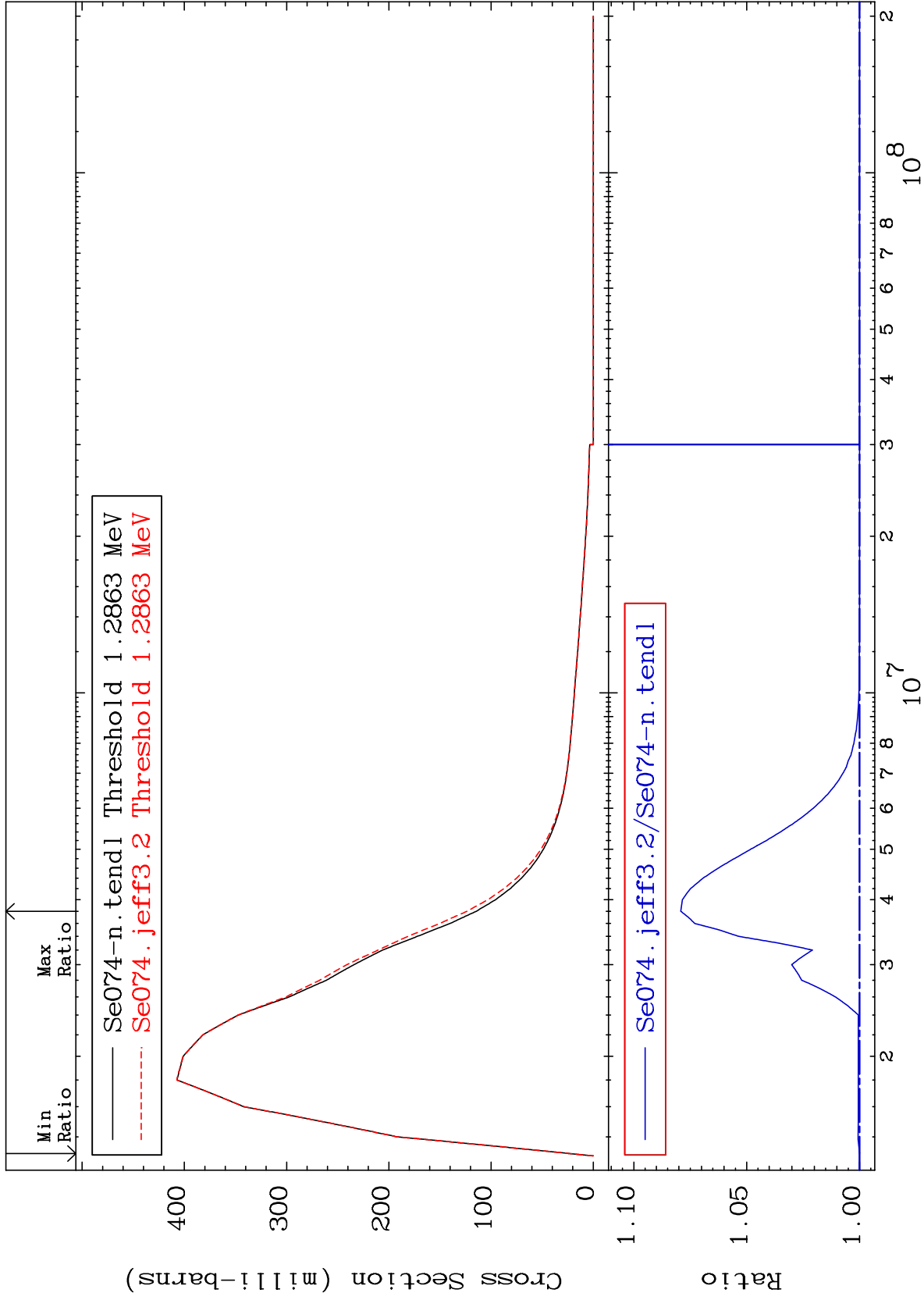
Incident Energy (eV)

34-Se-74

MAT 3425

1.269 MeV (n,n') Level
Cross Section

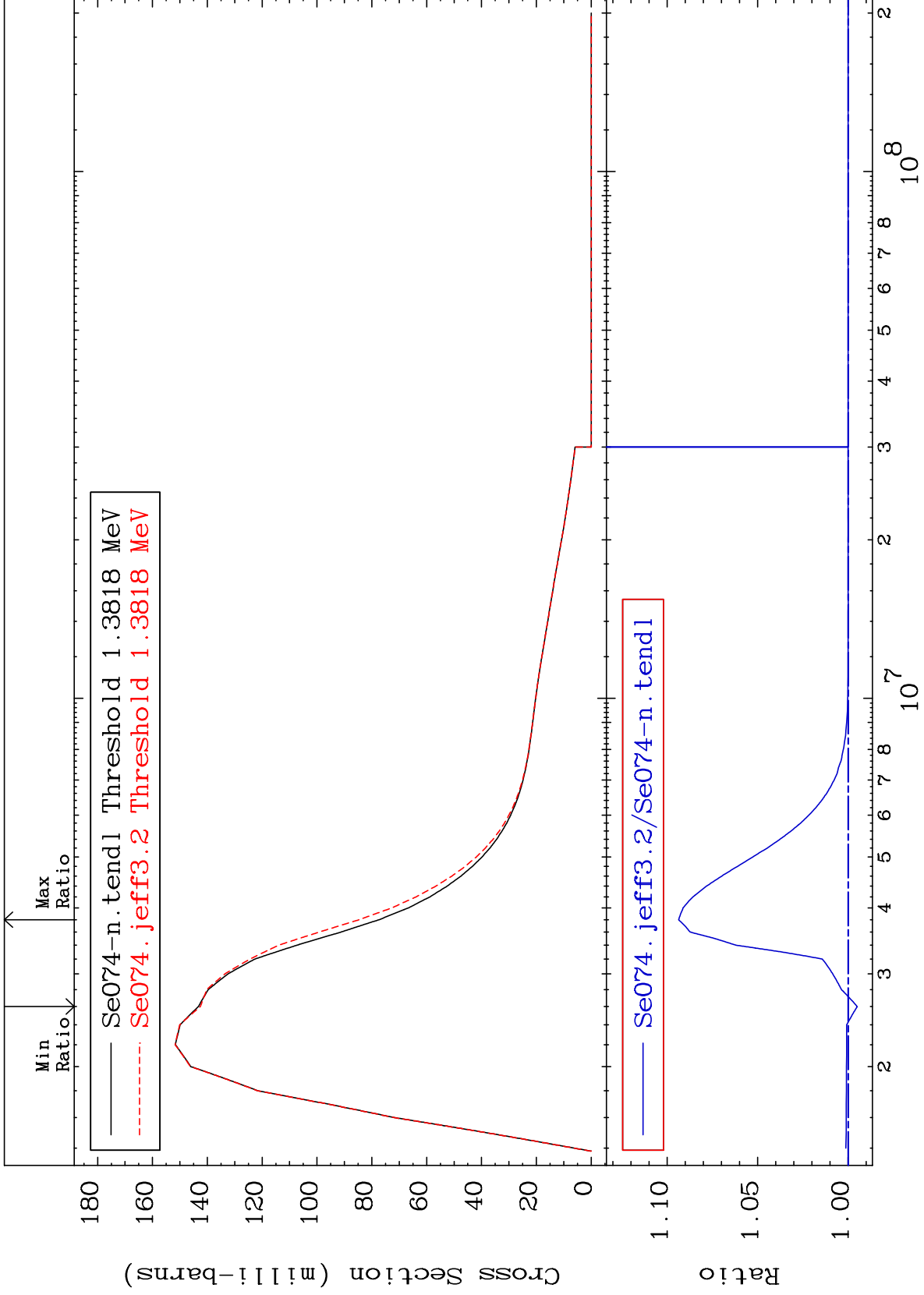
34-Se-74
-0.002 To 7.919 %



MAT 3425

1.363 MeV (n,n') Level
Cross Section

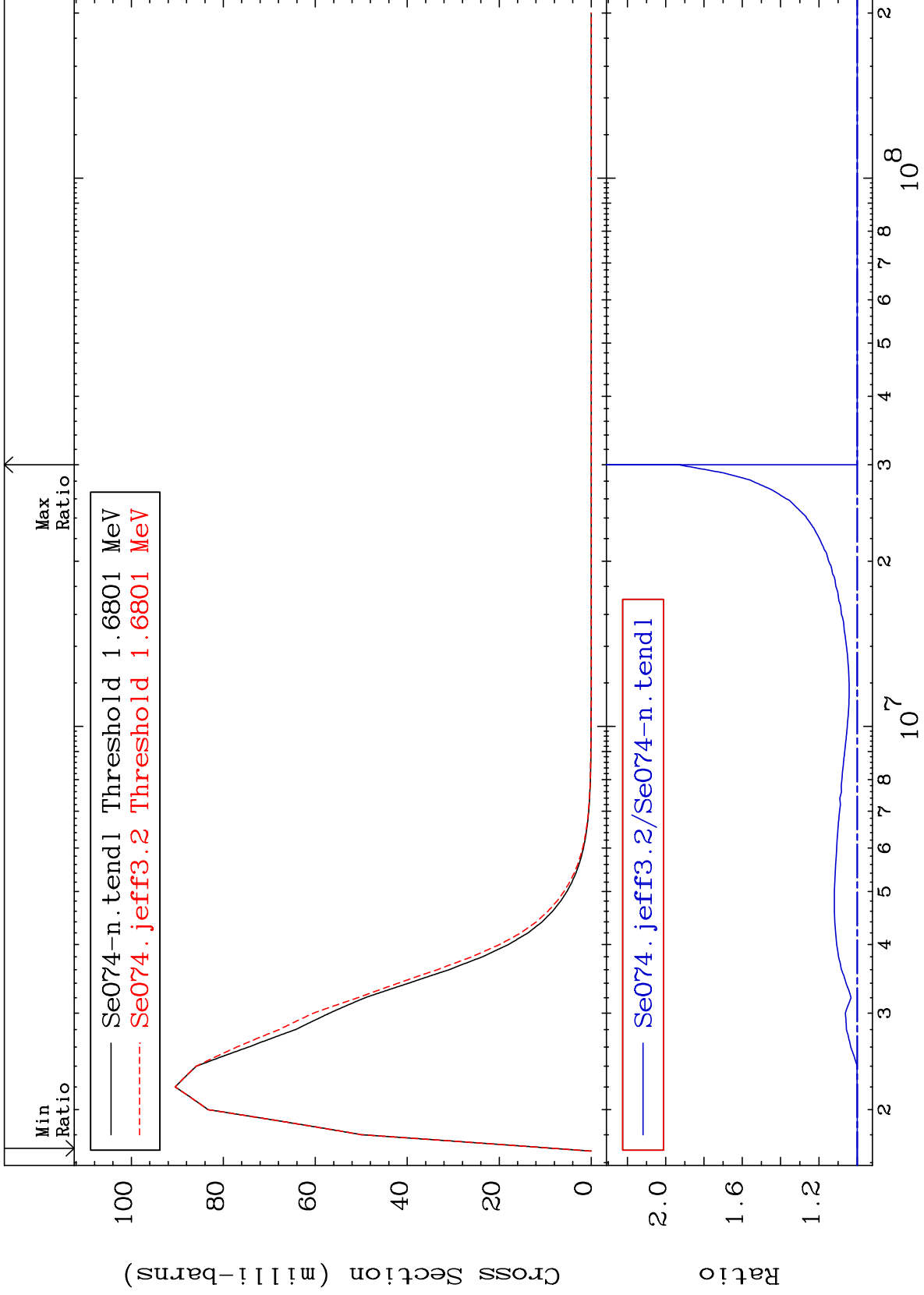
34-Se-74
-0.501 To 9.365 %



MAT 3425

1.657 MeV (n,n') Level
Cross Section

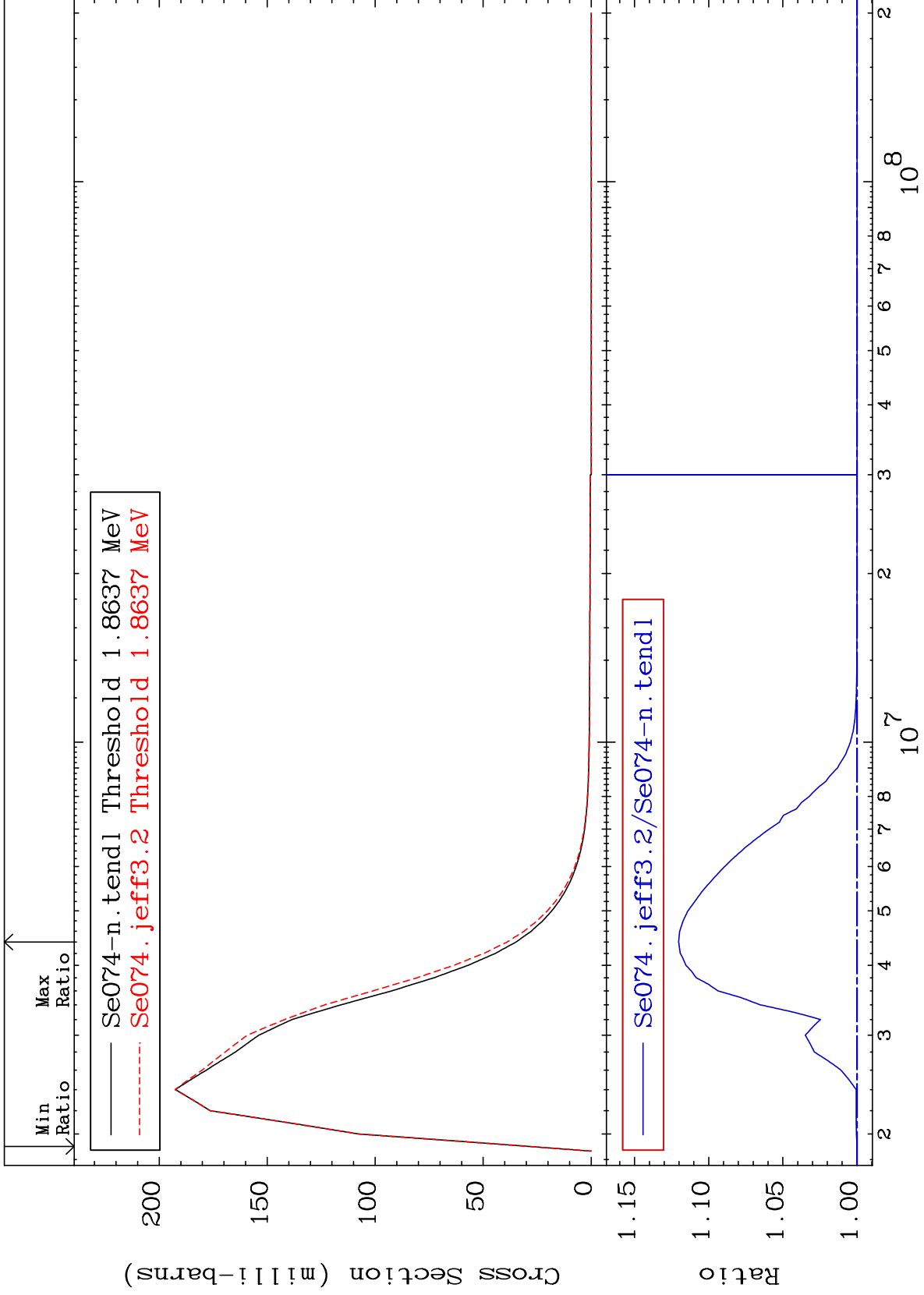
34-Se-74
-0.019 To 93.23 %



MAT 3425

1.839 MeV (n,n') Level
Cross Section

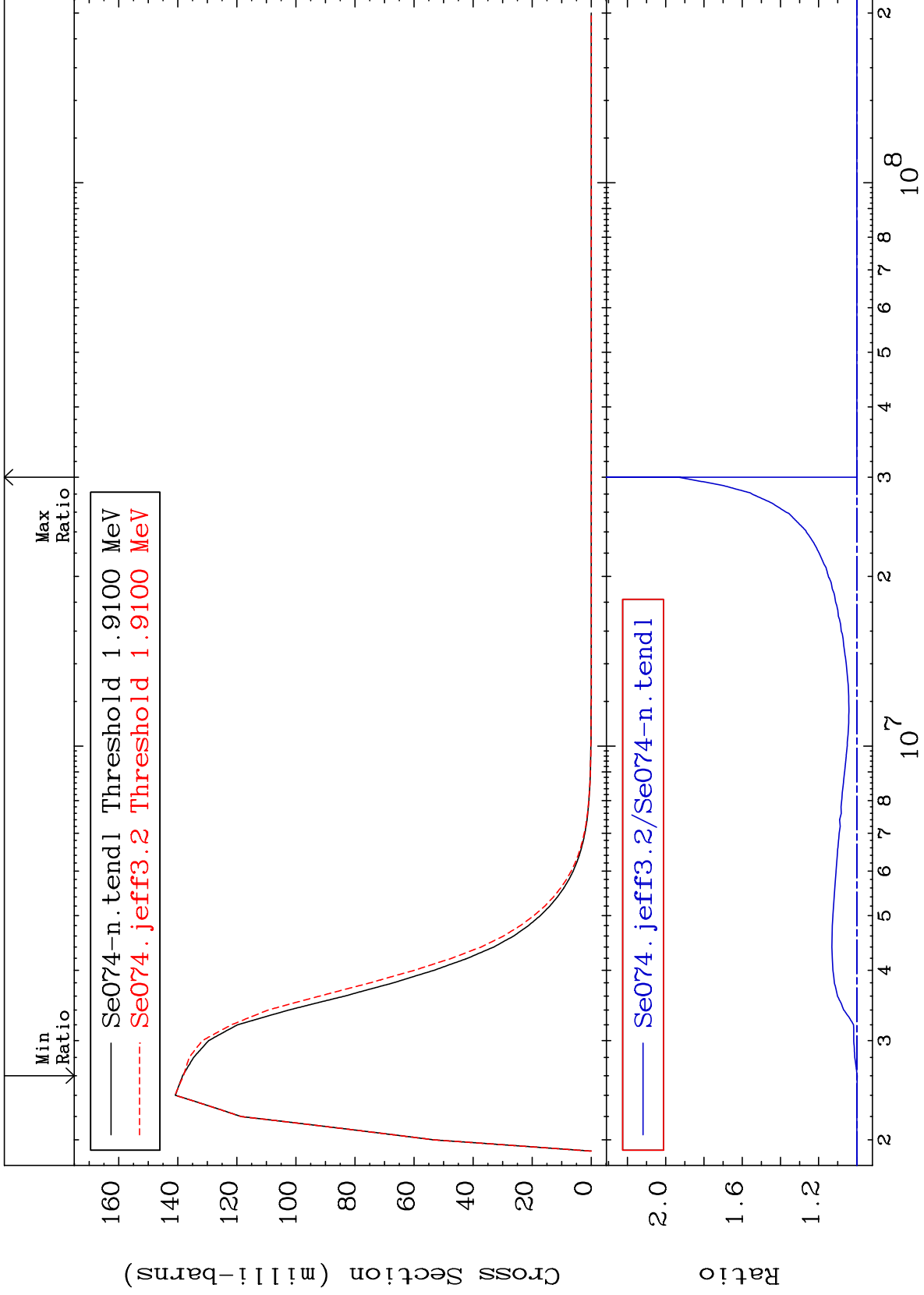
34-Se-74
-0.017 To 12.03 %



MAT 3425

1.884 MeV (n,n') Level
Cross Section

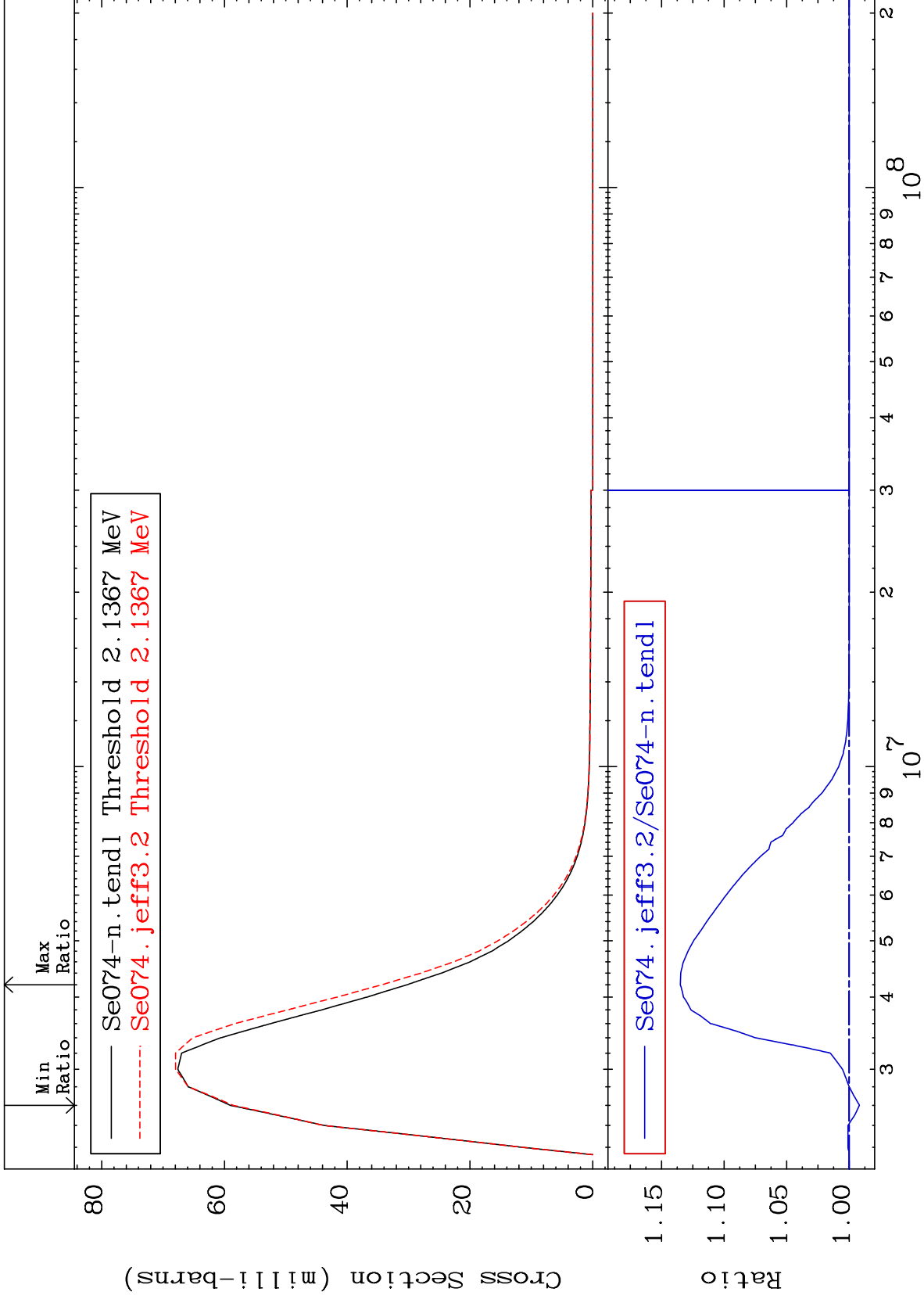
34-Se-74
-0.192 To 93.26 %



MAT 3425

2.108 MeV (n,n') Level
Cross Section

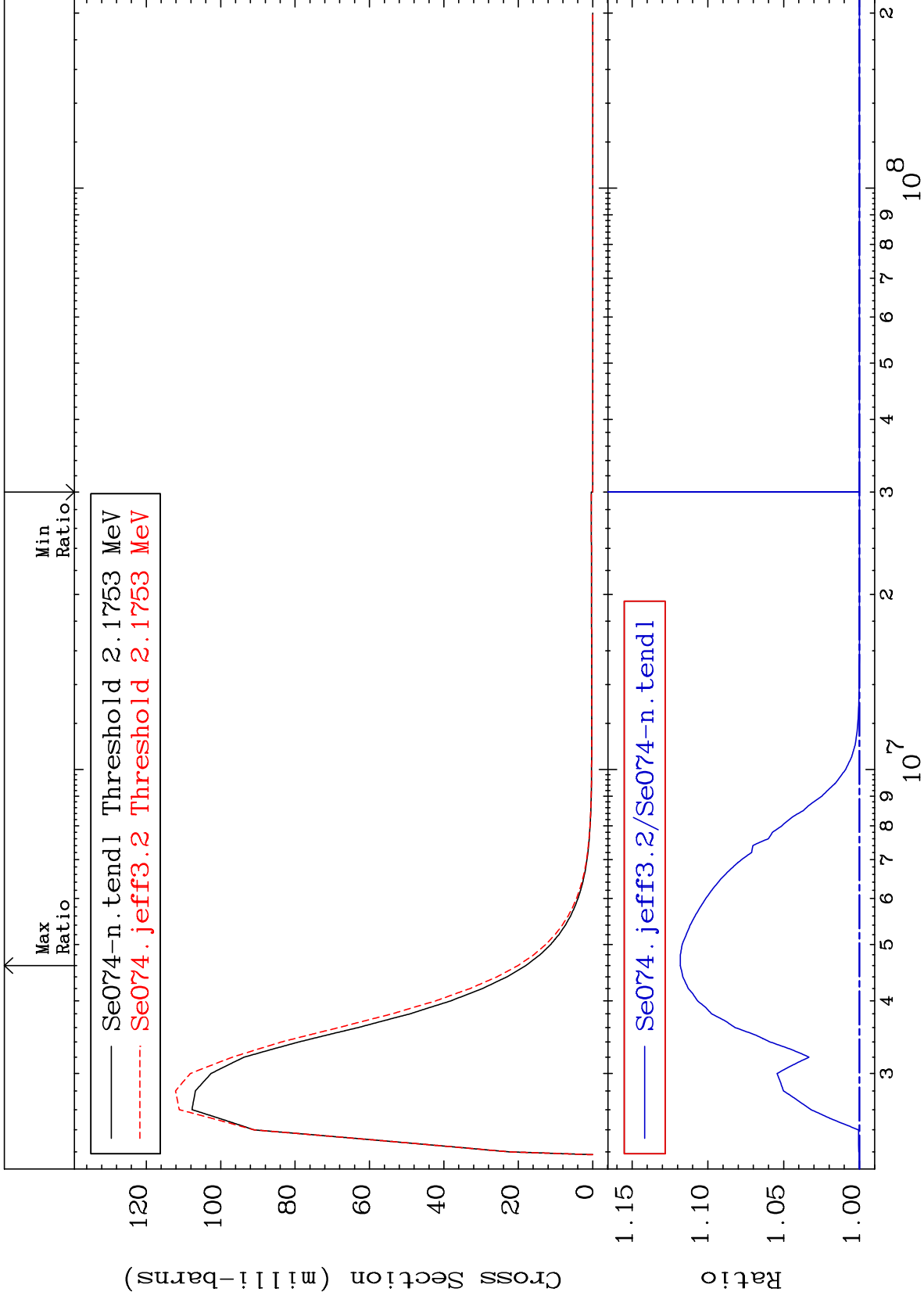
³⁴Se-74
-0.819 To 13.49 %



MAT 3425

2.146 MeV (n,n') Level
Cross Section

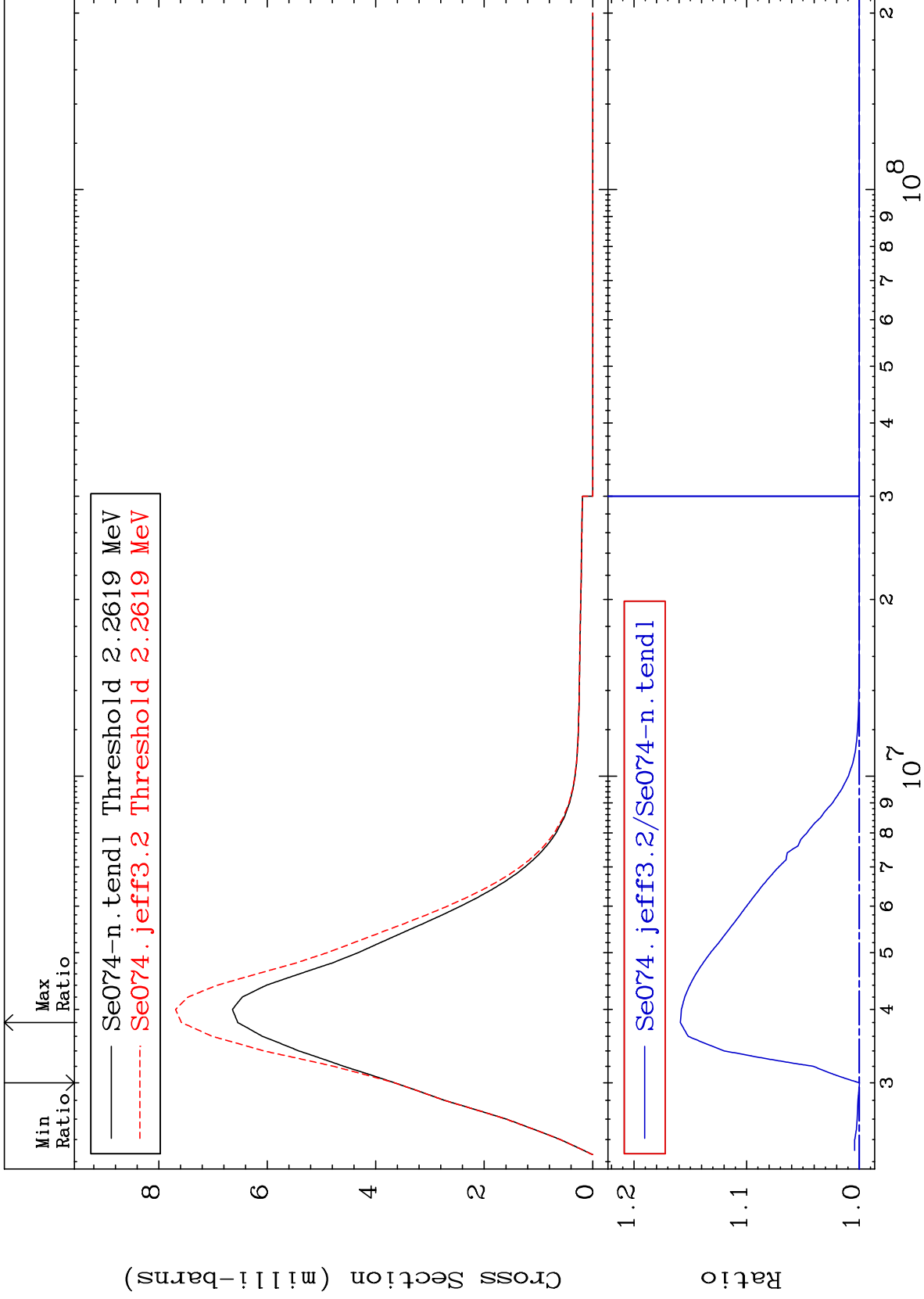
34-Se-74
0.000 To 11.81 %



MAT 3425

2.231 MeV (n,n') Level
Cross Section

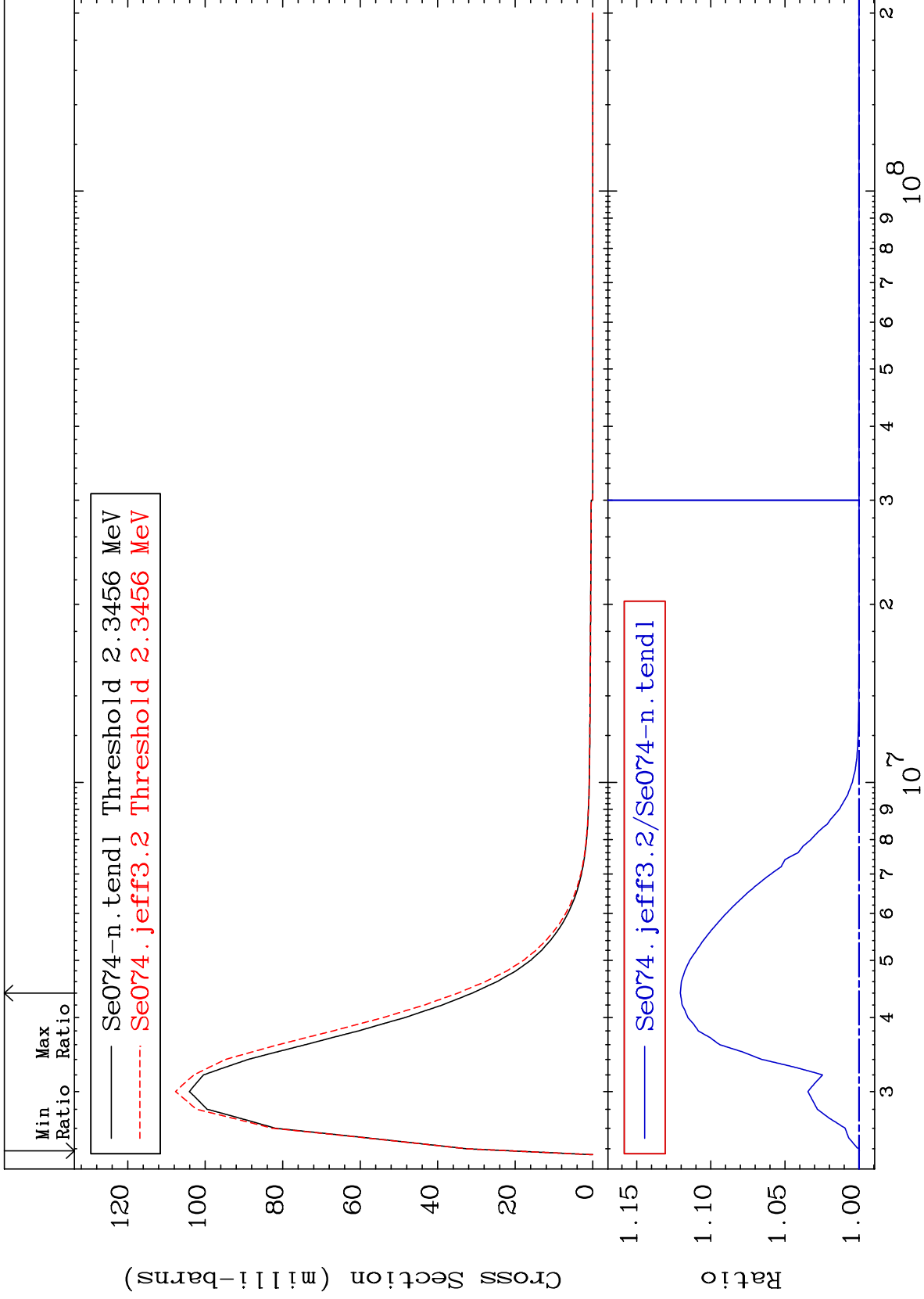
³⁴Se-74
-0.017 To 15.89 %



MAT 3425

2.314 MeV (n,n') Level
Cross Section

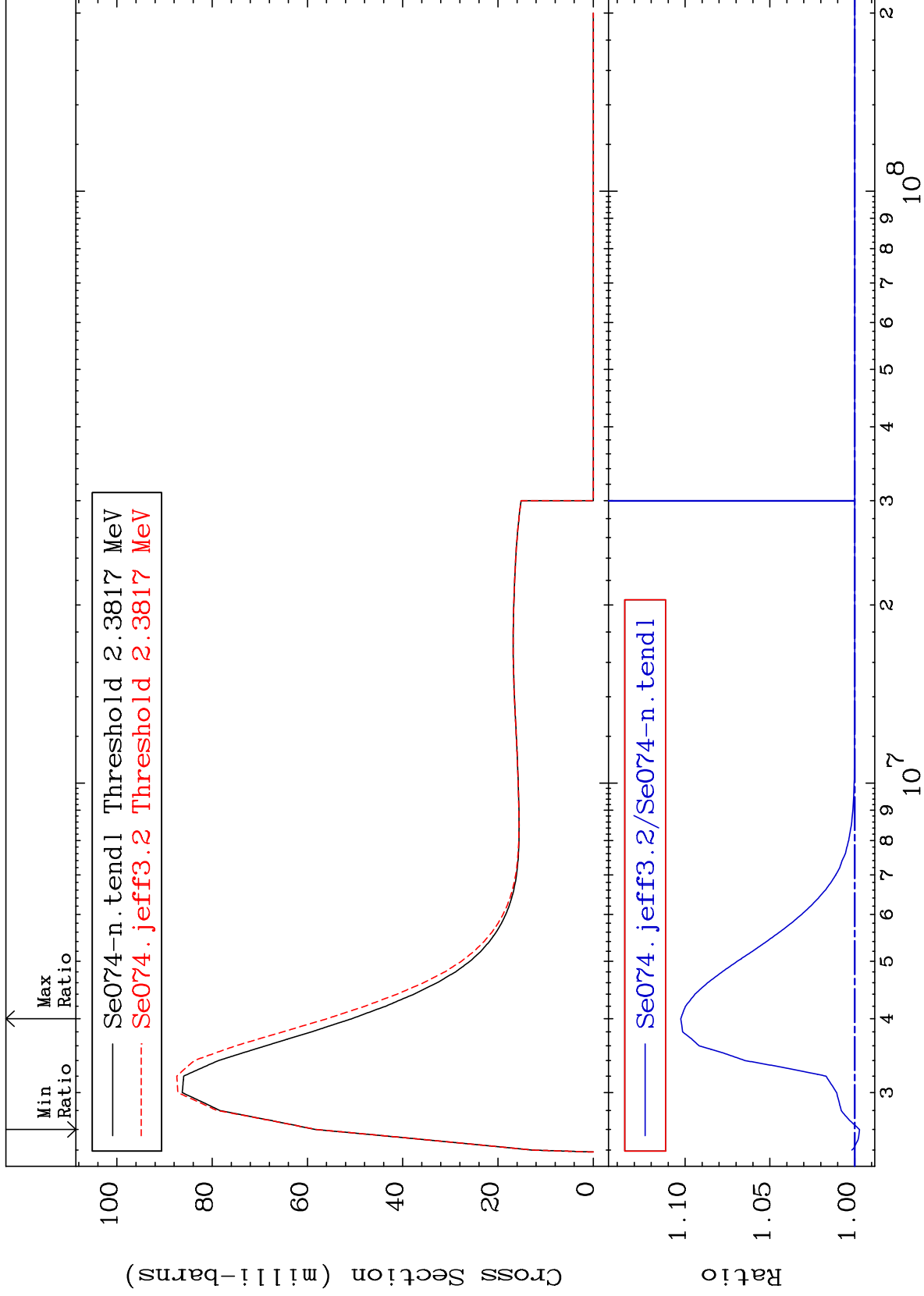
34-Se-74
-0.030 To 12.05 %



MAT 3425

2.350 MeV (n,n') Level
Cross Section

³⁴Se-74
-0.286 To 10.26 %



30

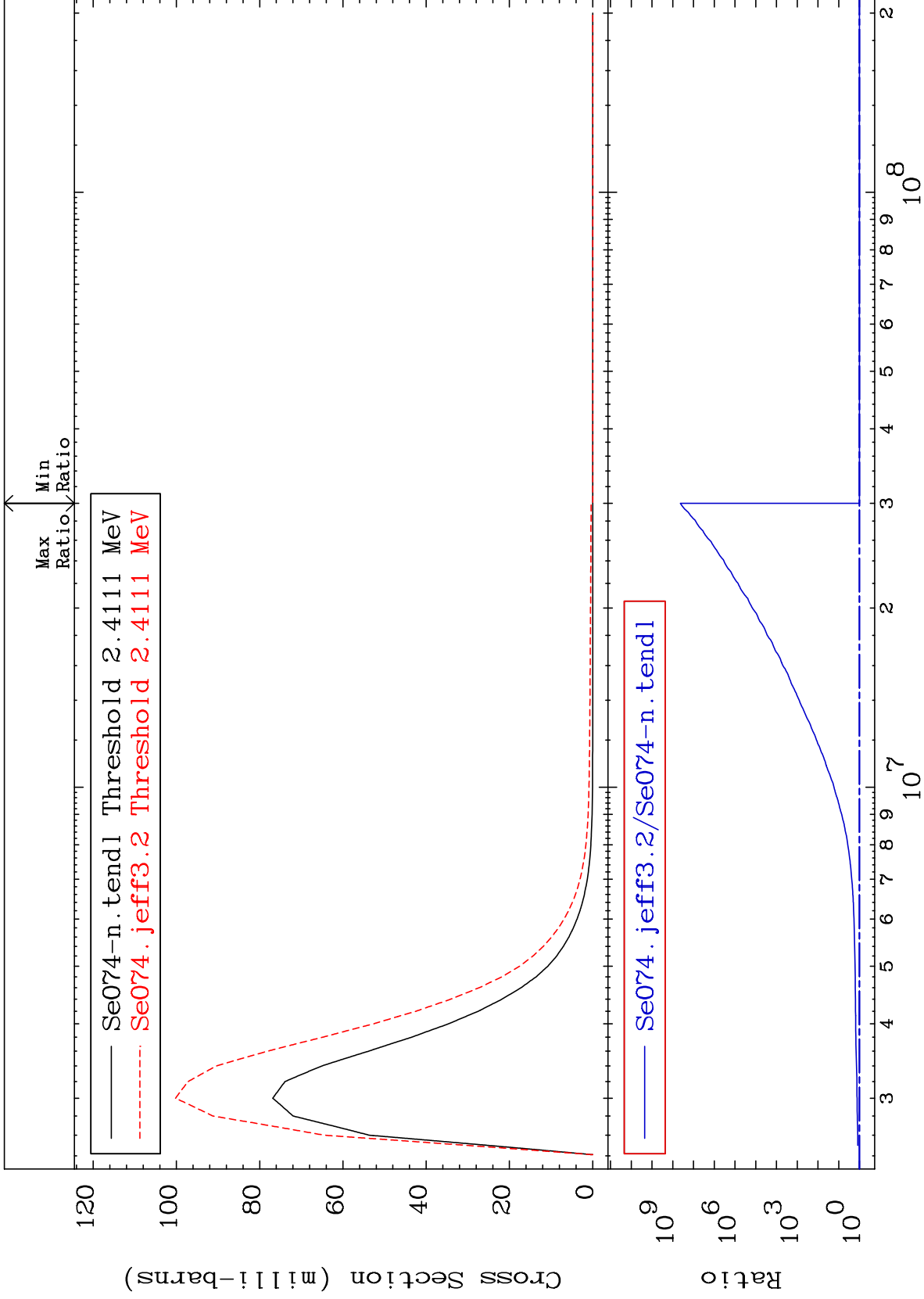
Incident Energy (eV)

³⁴Se-74

MAT 3425

2.379 MeV (n,n') Level
Cross Section

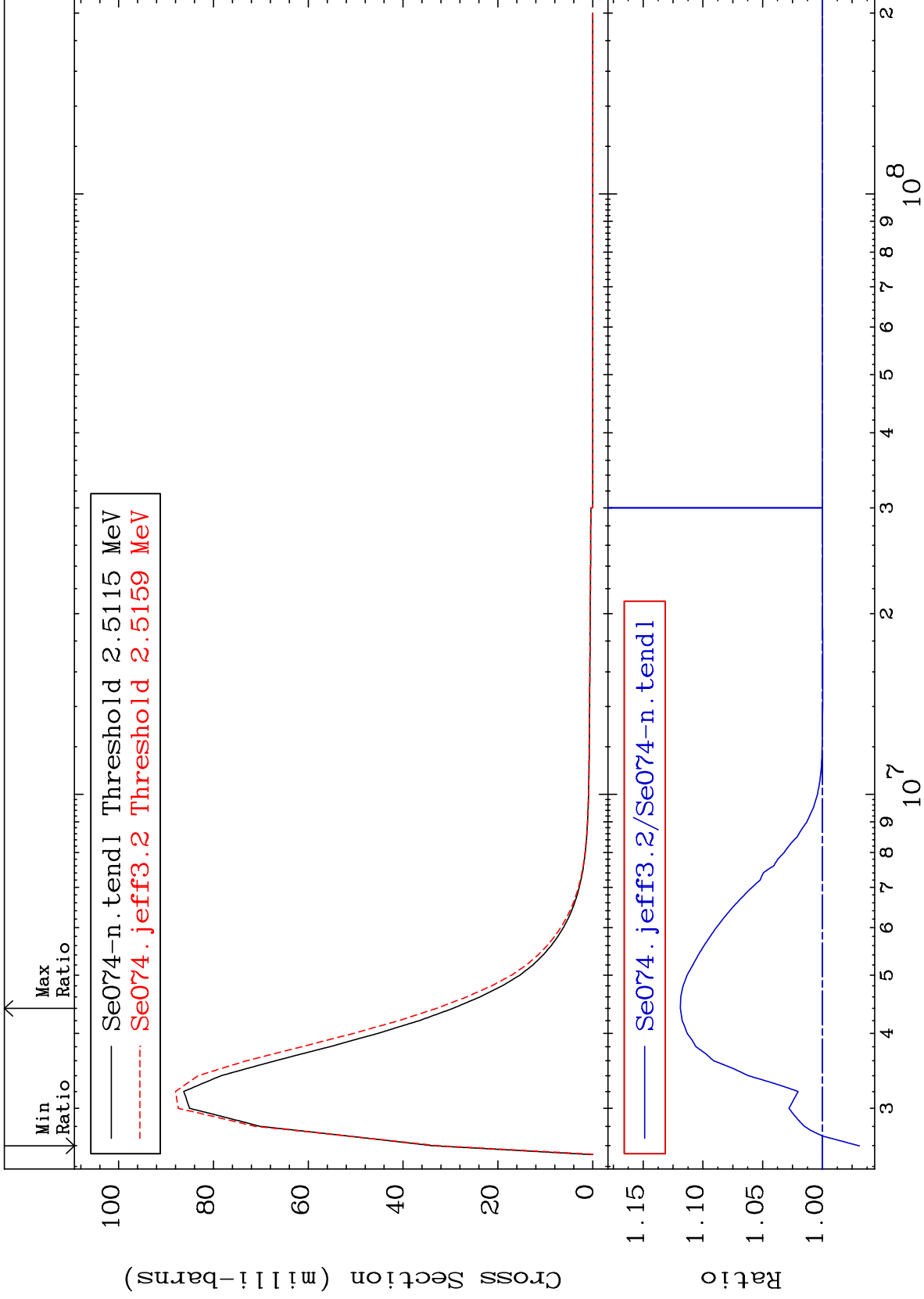
34-Se-74
0.000 To 9999. %

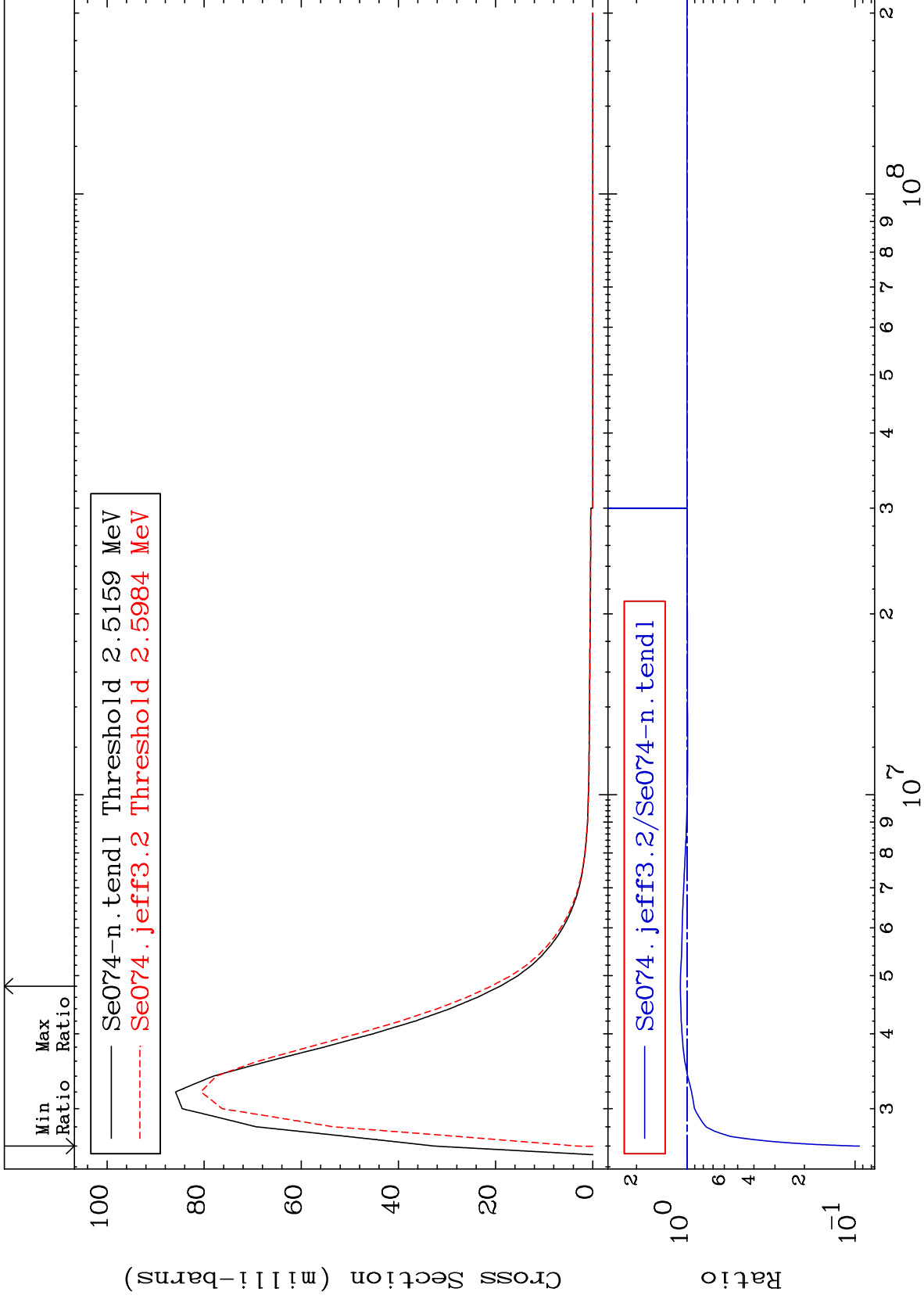


MAT 3425

2.478 MeV (n,n') Level
Cross Section

³⁴Se-74
-3.103 To 11.89 %

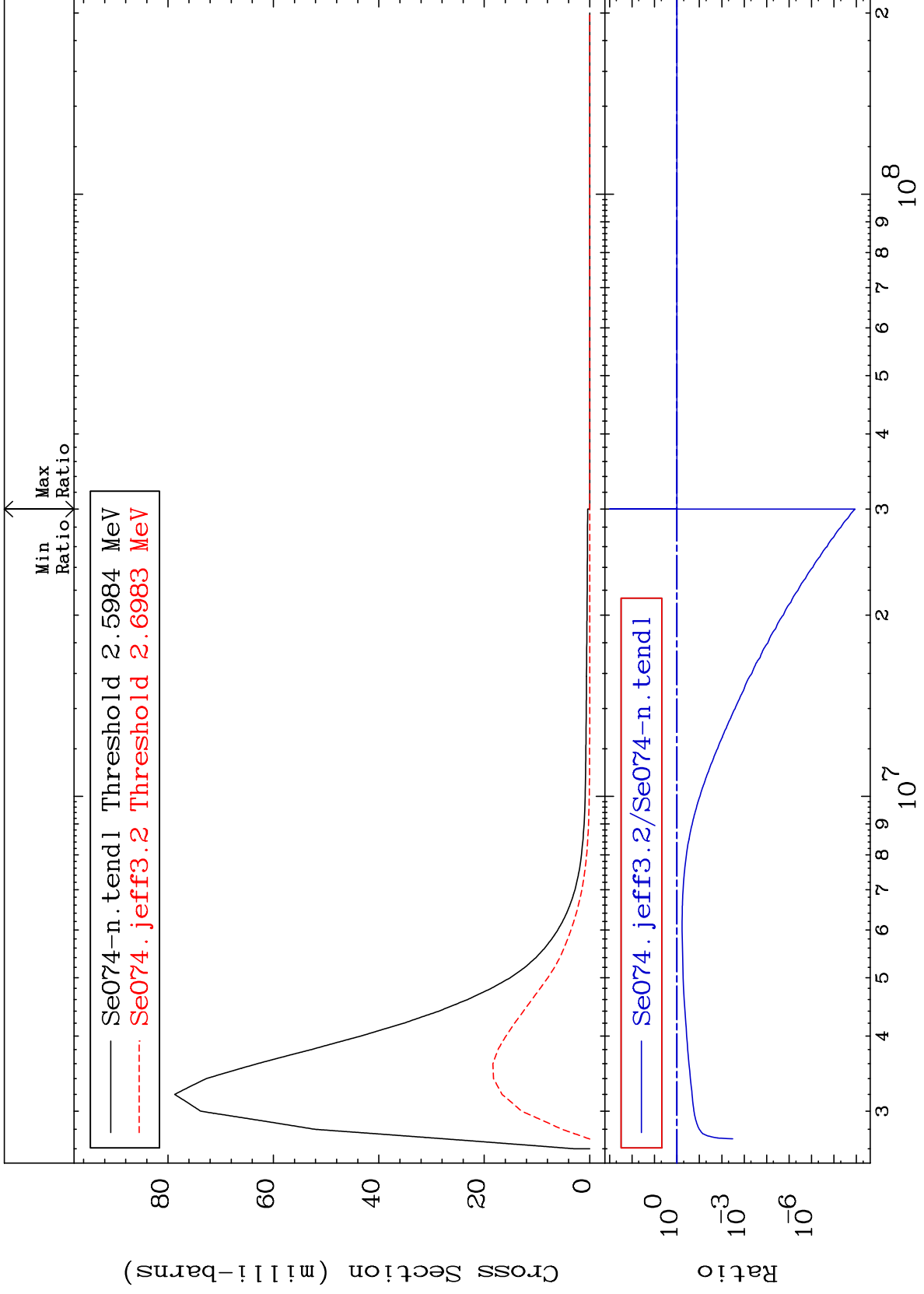




MAT 3425

2.563 MeV (n,n') Level
Cross Section

34-Se-74
-100.0 To 0.000 %



34

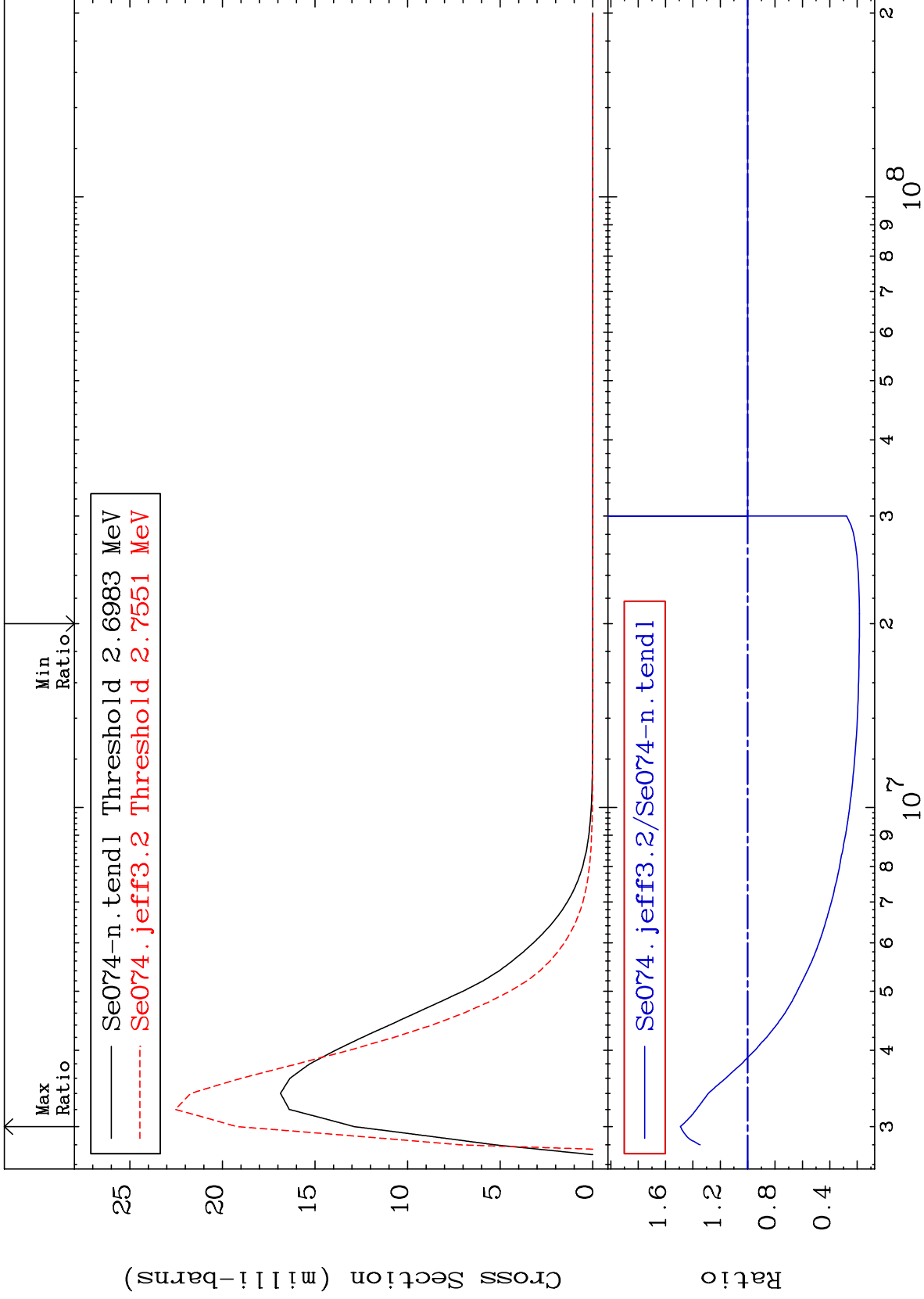
Incident Energy (eV)

34-Se-74

MAT 3425

2.662 MeV (n,n') Level
Cross Section

³⁴Se-74
-81.61 To 49.18 %



35

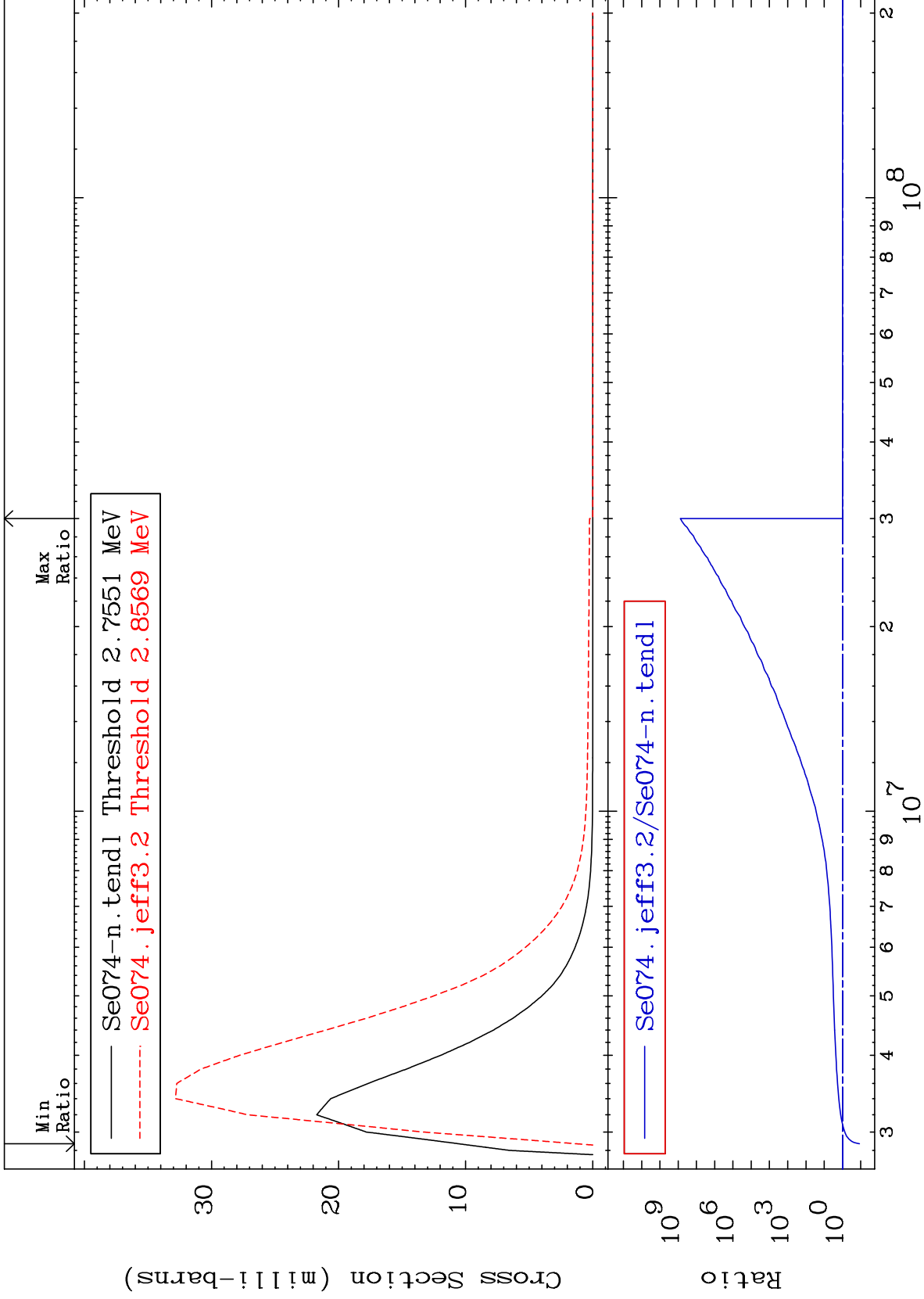
Incident Energy (eV)

³⁴Se-74

MAT 3425

2.718 MeV (n,n') Level
Cross Section

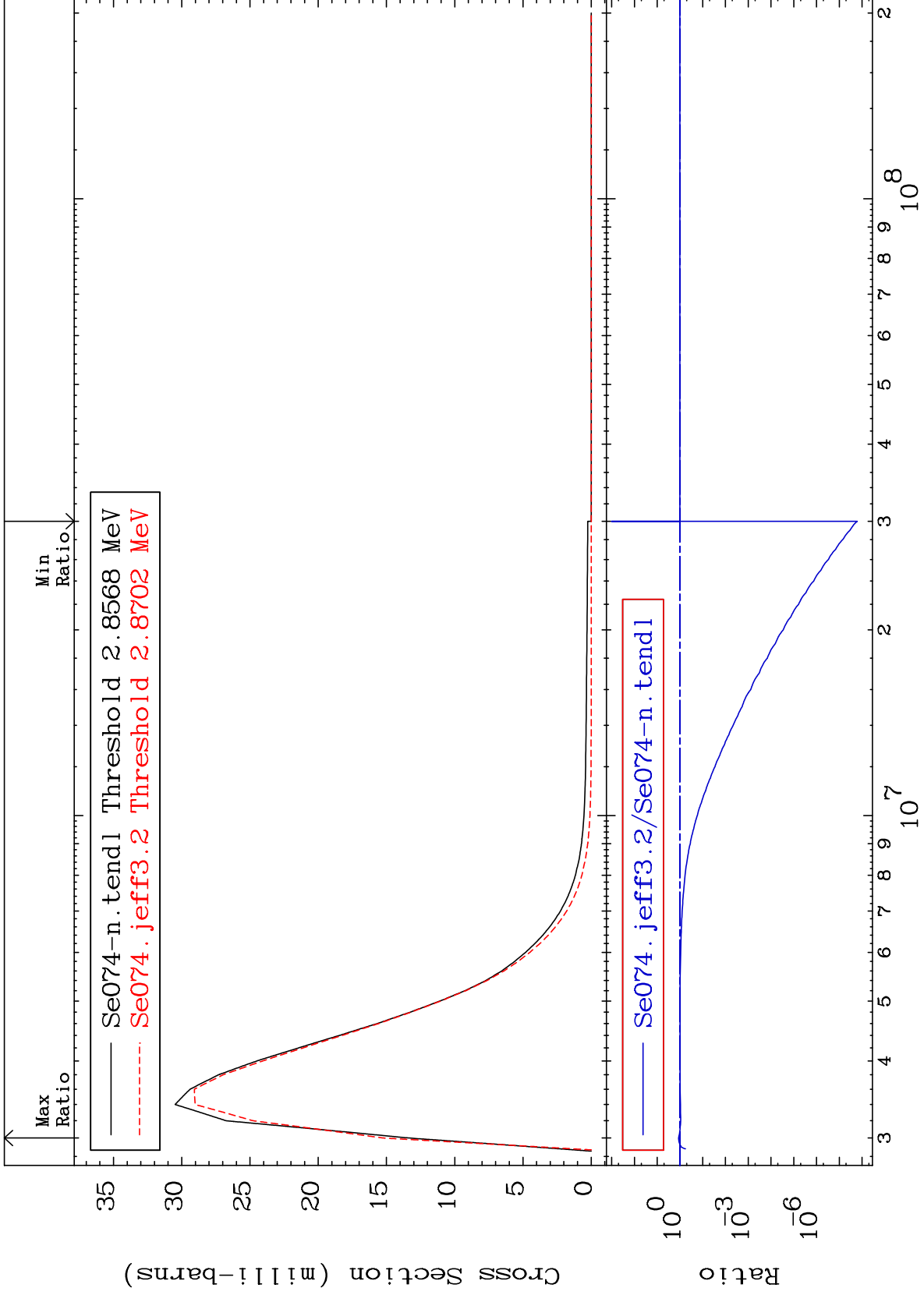
³⁴Se-74
-88.23 To 9999. %



MAT 3425

2.818 MeV (n,n') Level
Cross Section

34-Se-74
-100.0 To 14.08 %



37

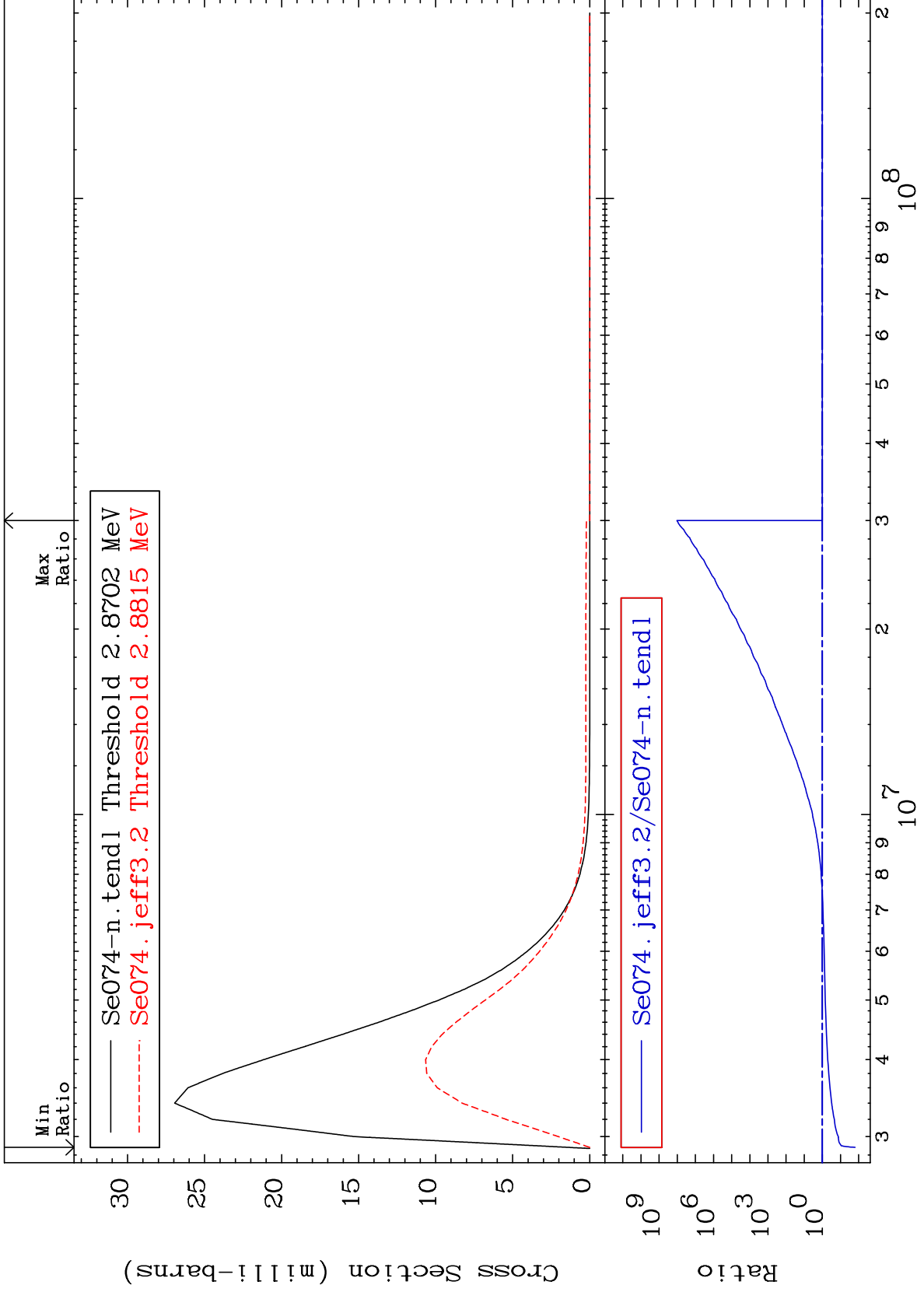
Incident Energy (eV)

34-Se-74

MAT 3425

2.832 MeV (n,n') Level
Cross Section

34-Se-74
-98.42 To 9999. %



38

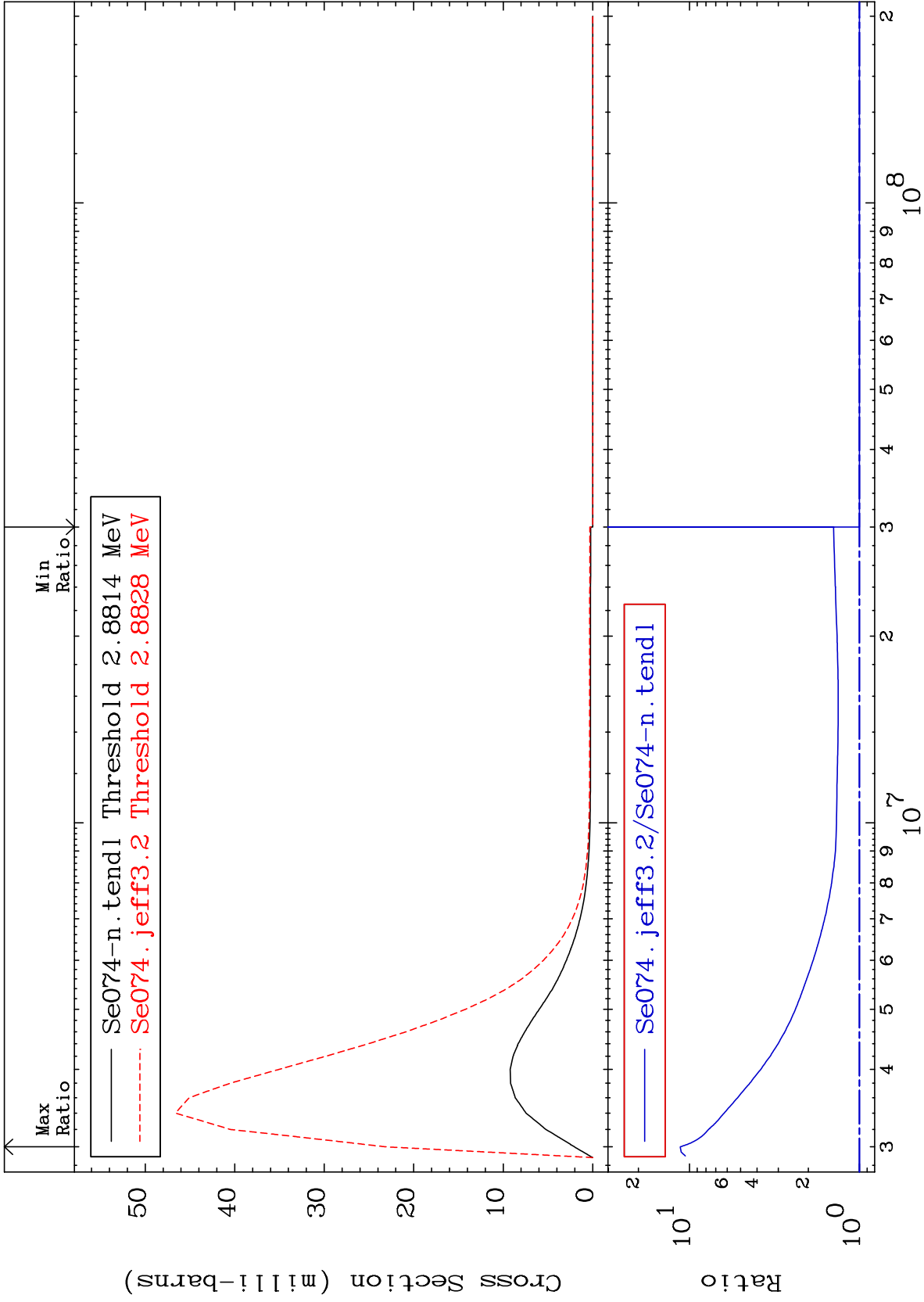
Incident Energy (eV)

34-Se-74

MAT 3425

2.843 MeV (n,n') Level
Cross Section

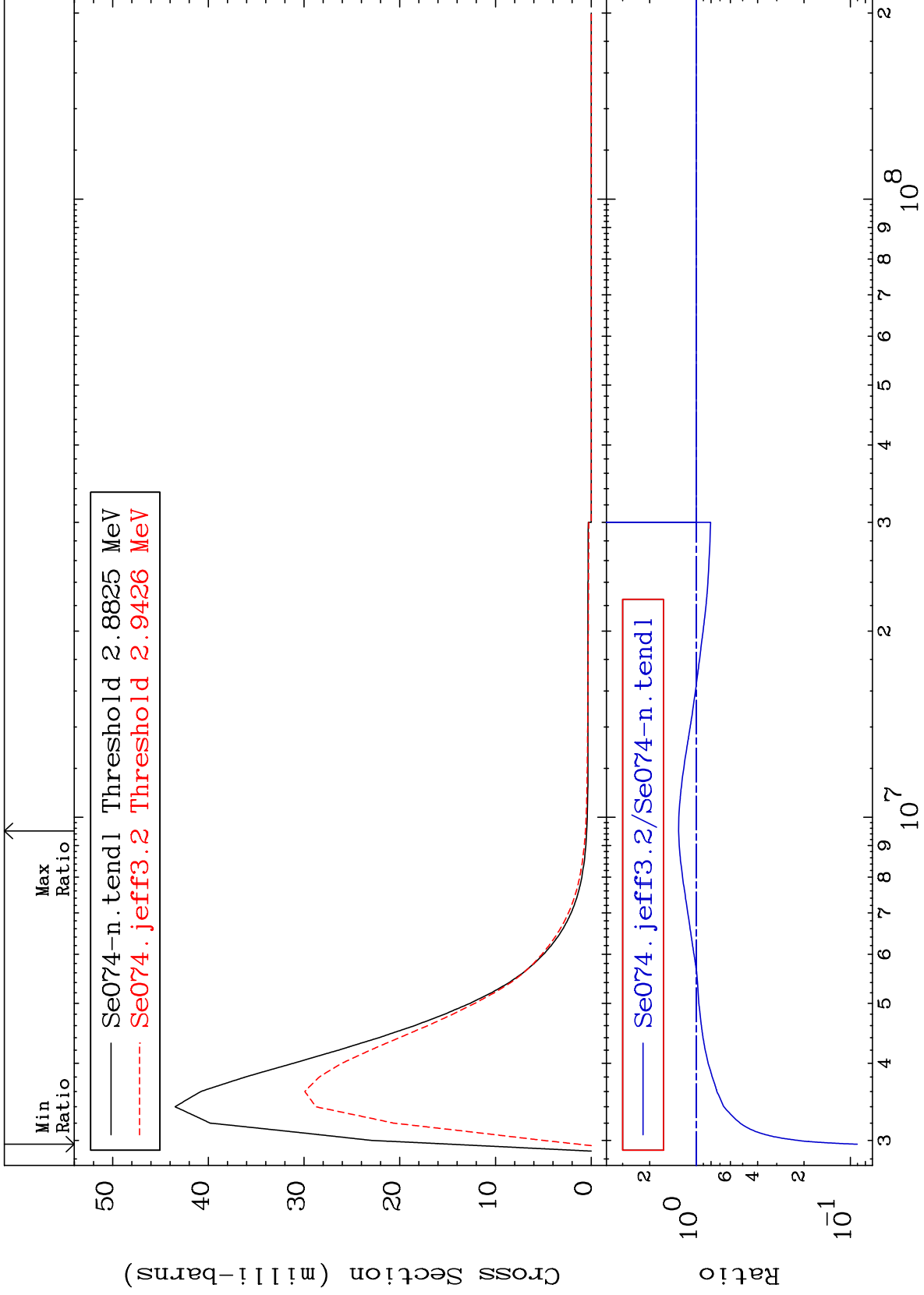
34-Se-74
To 1031. %



MAT 3425

2.844 MeV (n,n') Level
Cross Section

³⁴Se-74
-90.98 To 29.97 %



40

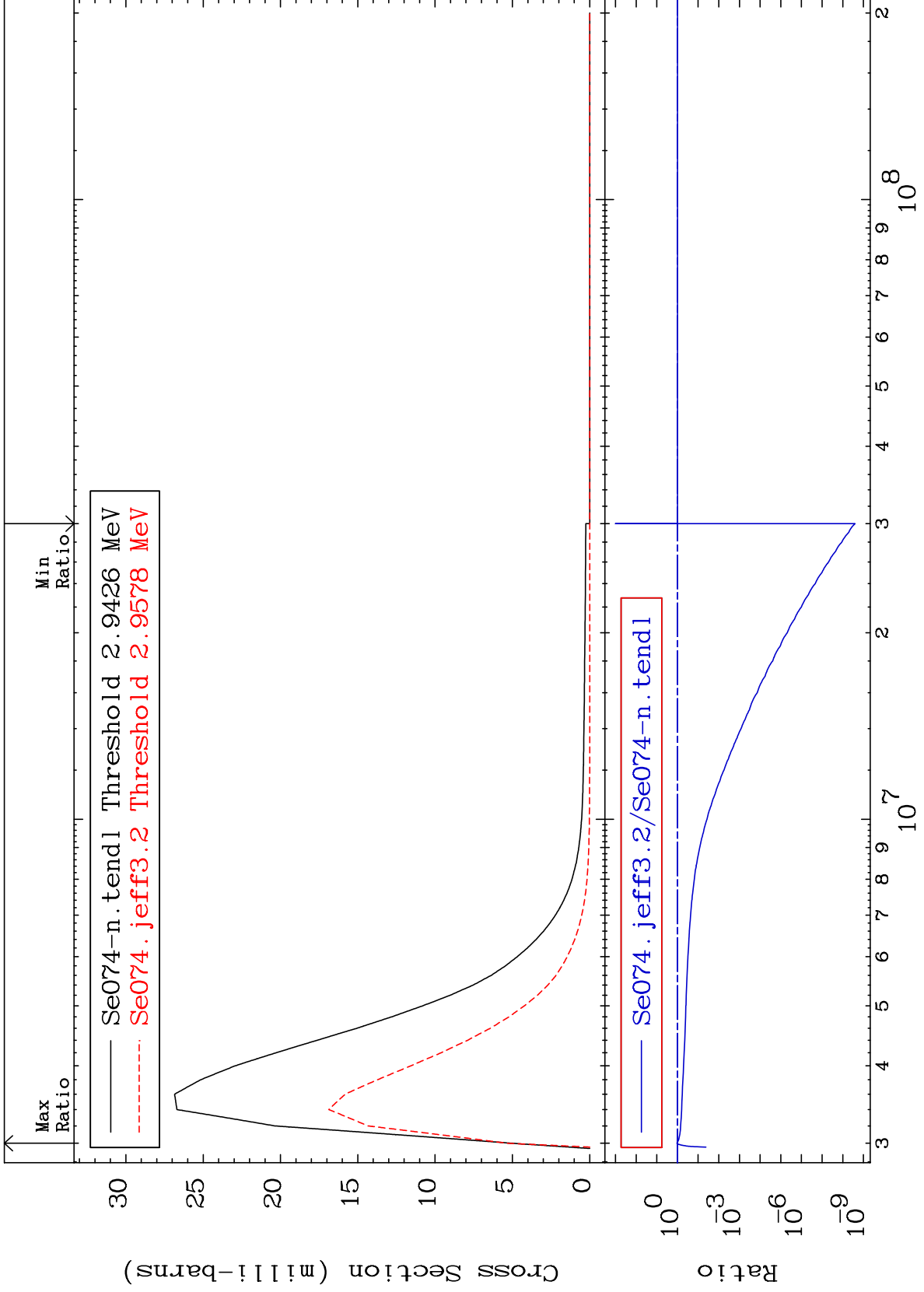
Incident Energy (eV)

³⁴Se-74

MAT 3425

2.903 MeV (n,n') Level
Cross Section

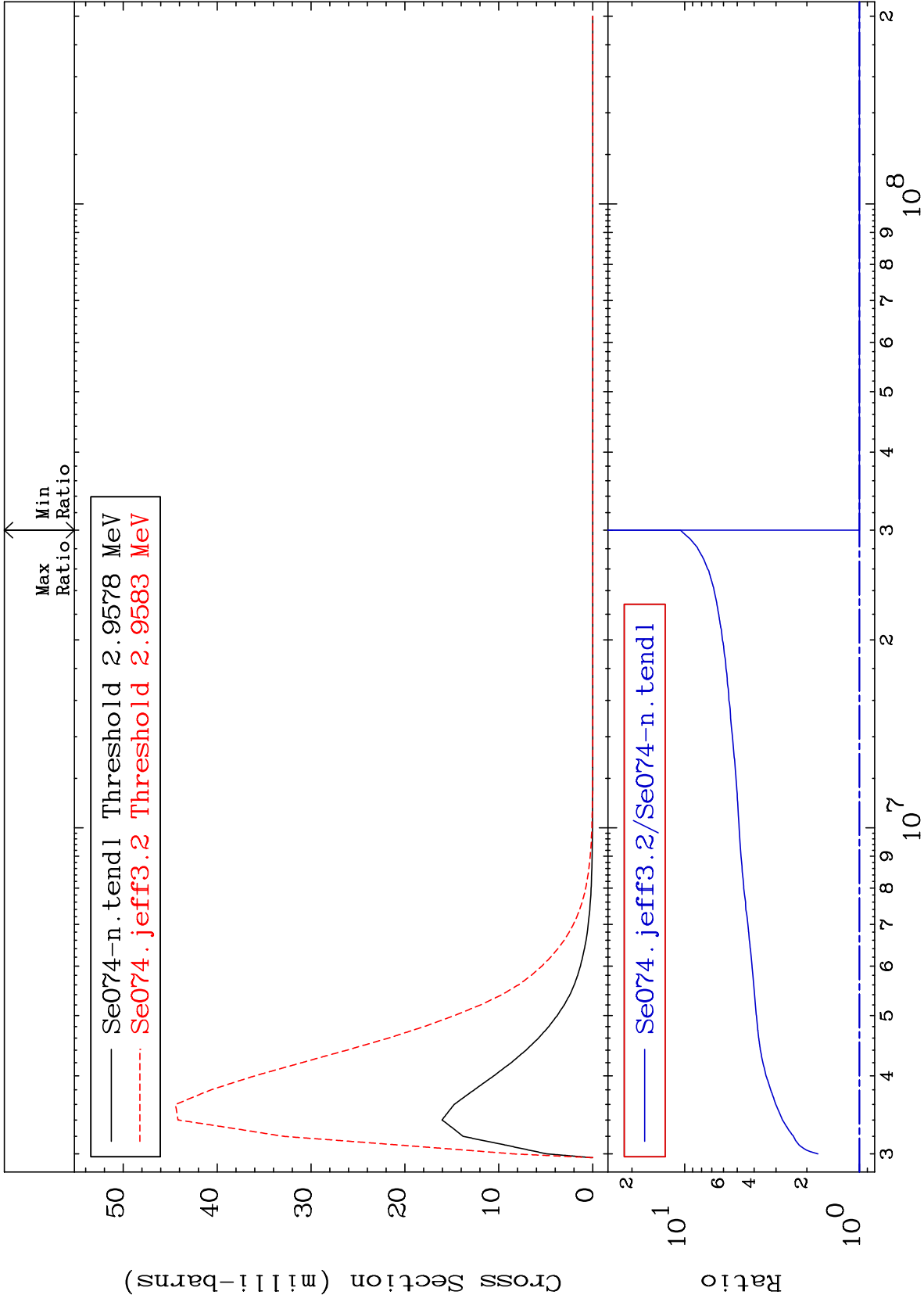
34-Se-74
-100.0 To 6.235 %



MAT 3425

2.918 MeV (n,n') Level
Cross Section

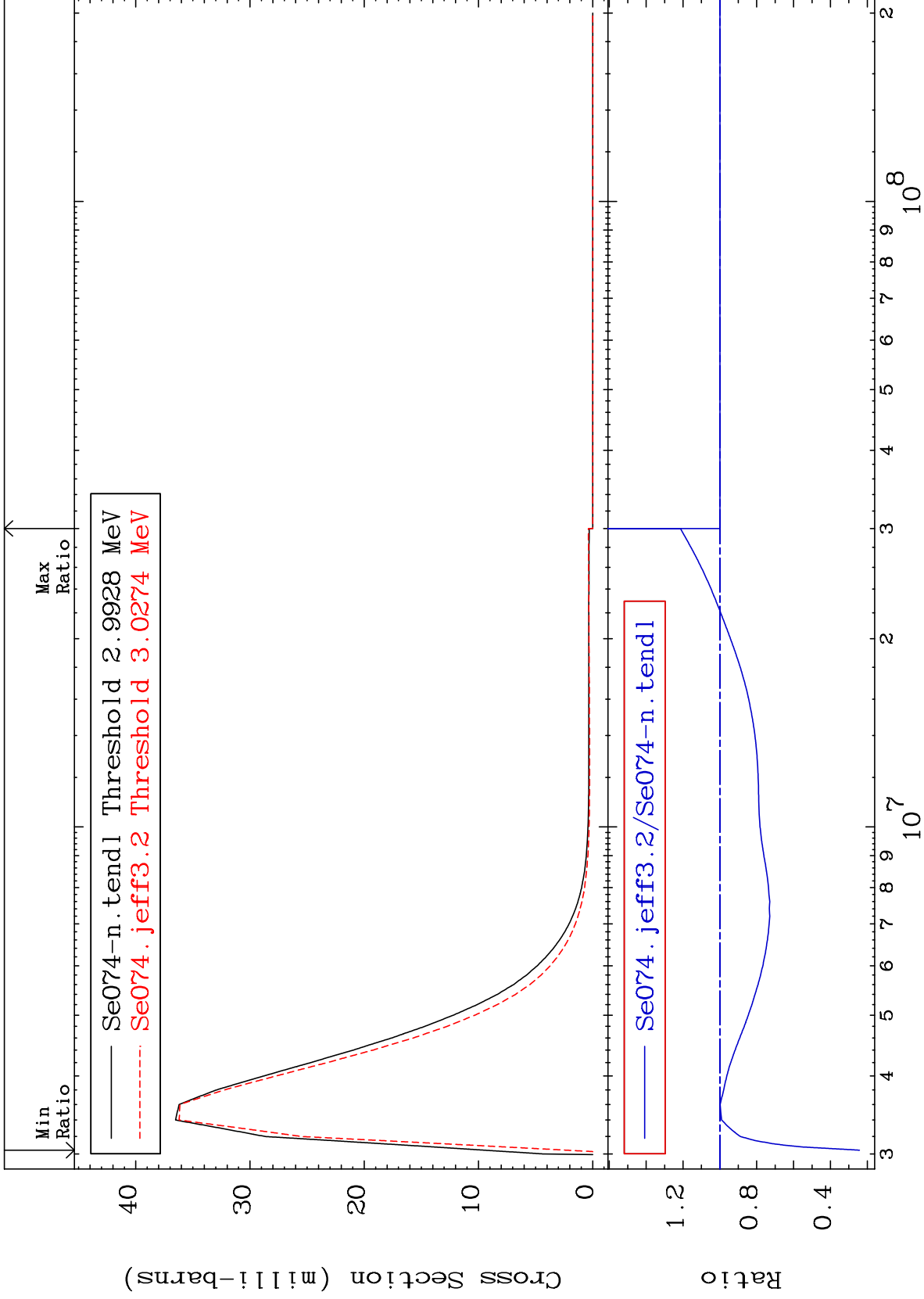
34-Se-74
0.000 To 957.8 %



MAT 3425

2.953 MeV (n,n') Level
Cross Section

34-Se-74
-75.74 To 21.44 %



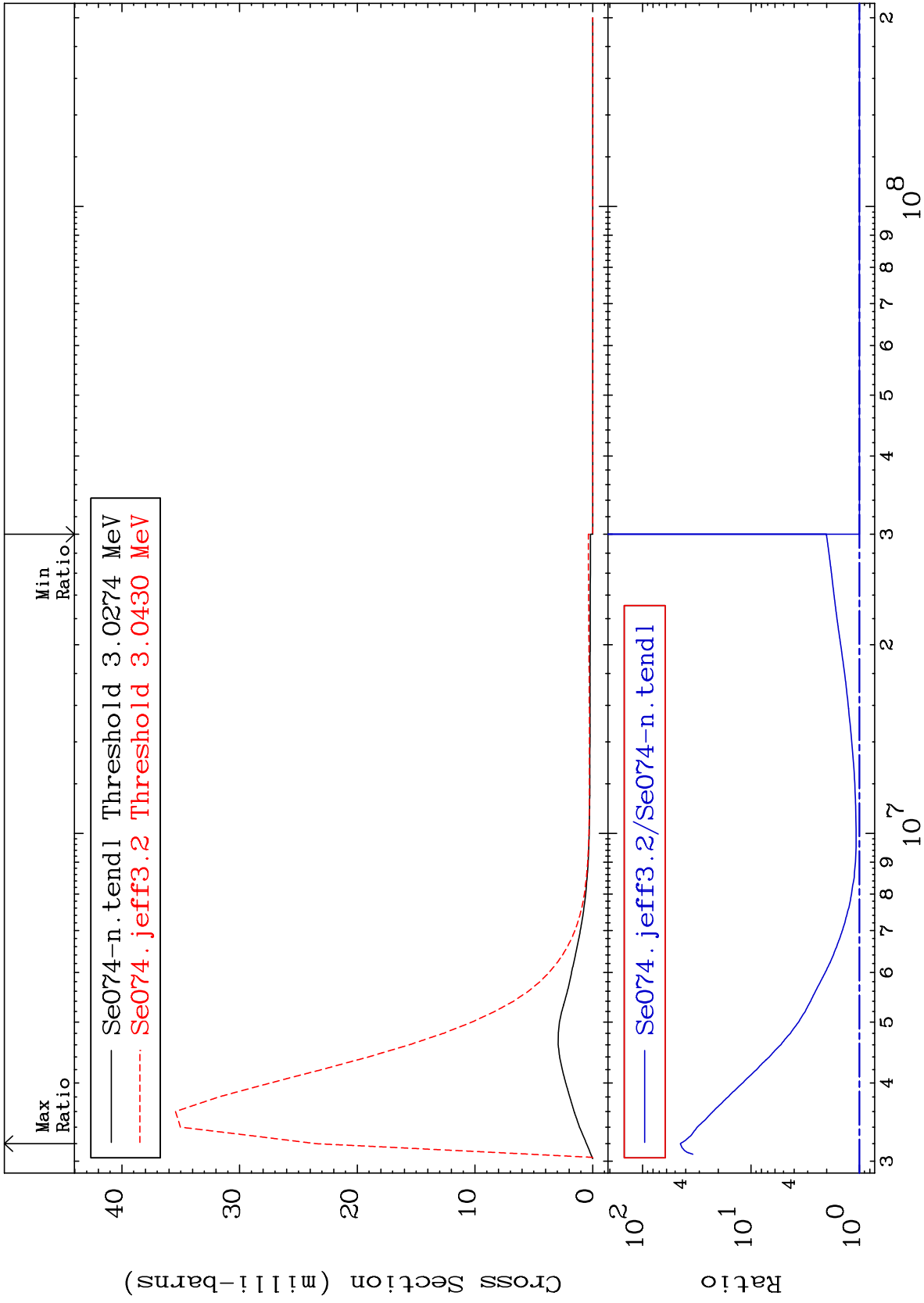
43

34-Se-74

MAT 3425

2.987 MeV (n,n') Level
Cross Section

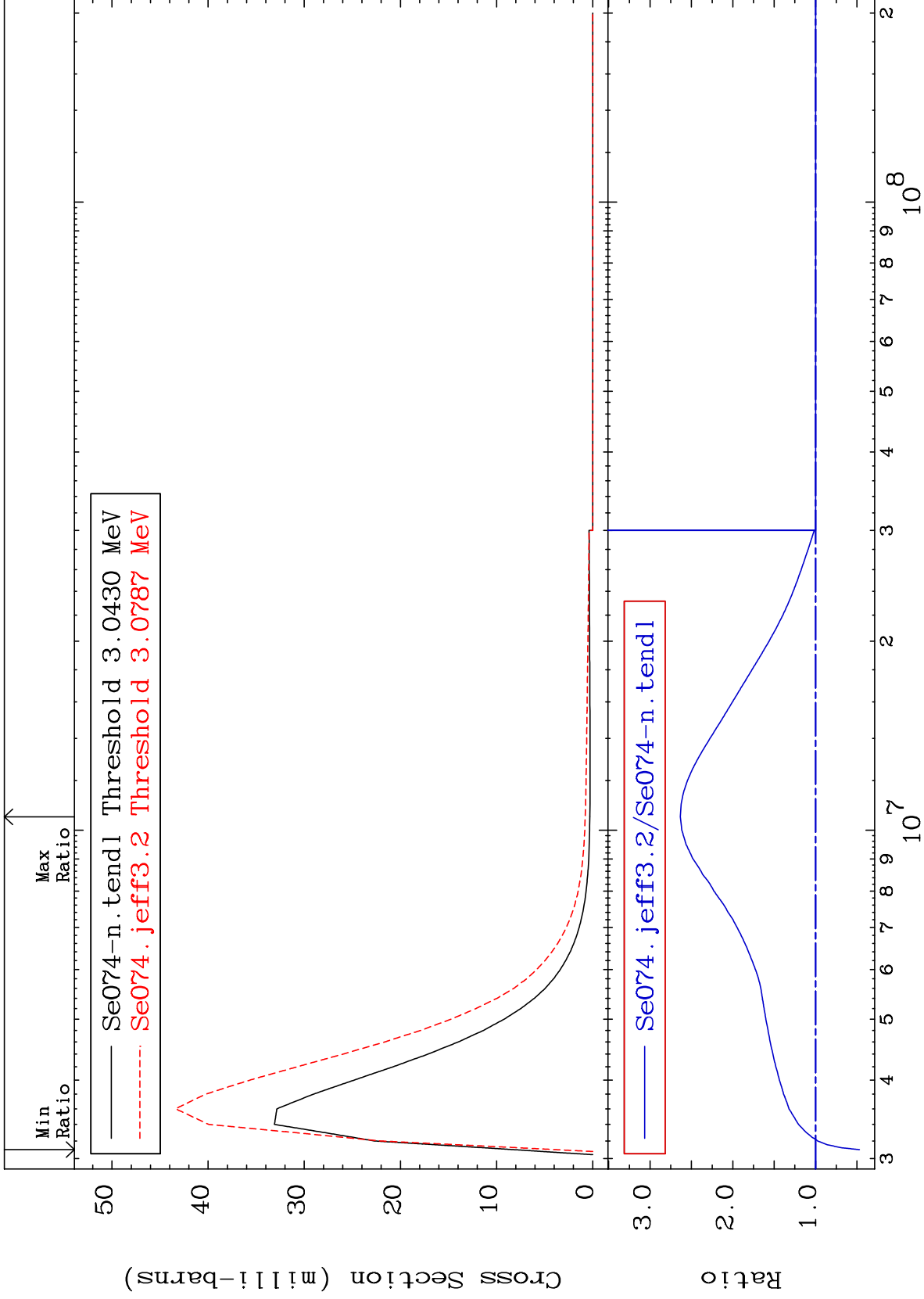
34-Se-74
0.000 To 4380. %



MAT 3425

3.002 MeV (n,n') Level
Cross Section

³⁴Se-74
-53.03 To 163.4 %



45

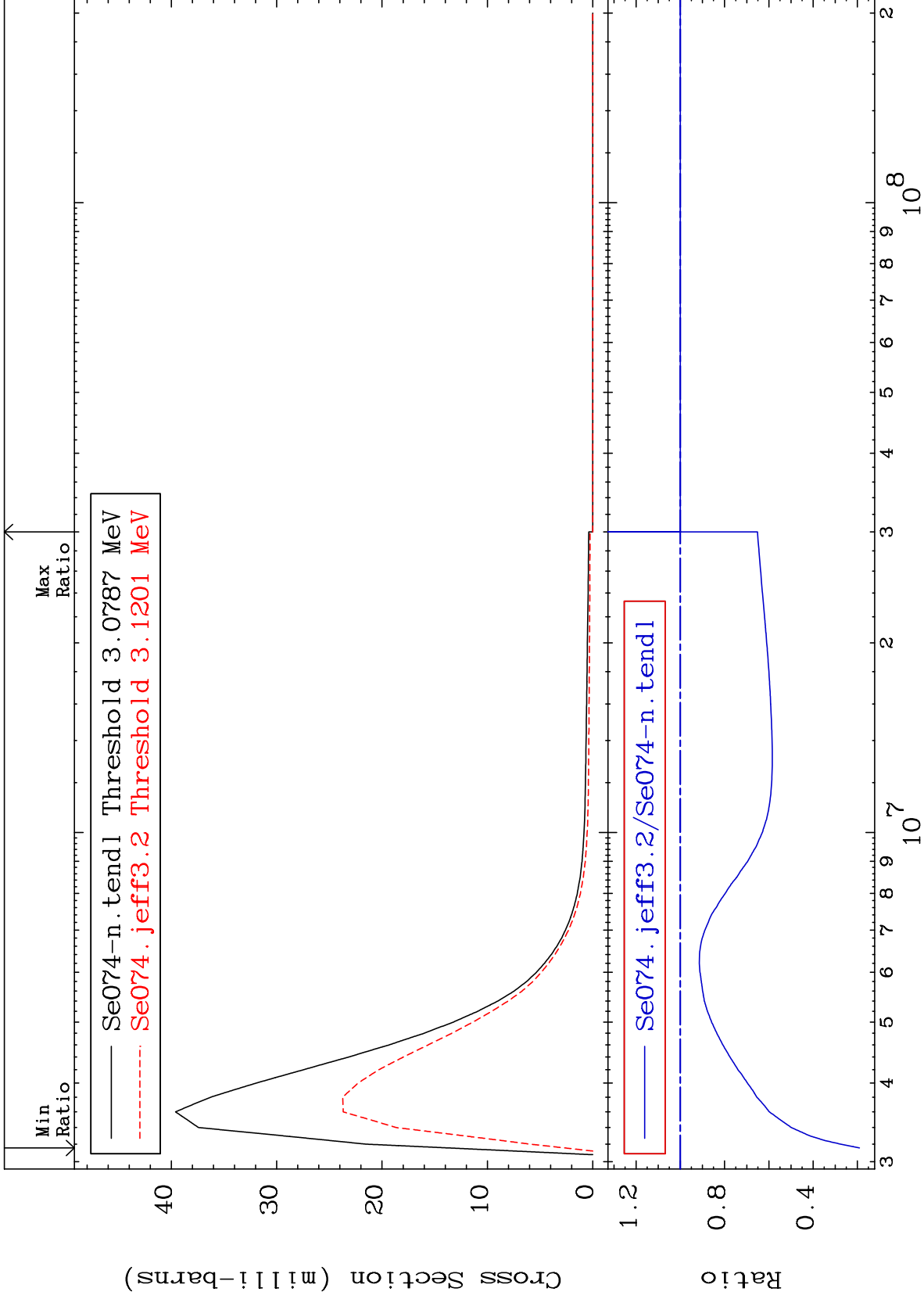
Incident Energy (eV)

³⁴Se-74

MAT 3425

3.037 MeV (n,n') Level
Cross Section

34-Se-74
-80.91 To 0.000 %



46

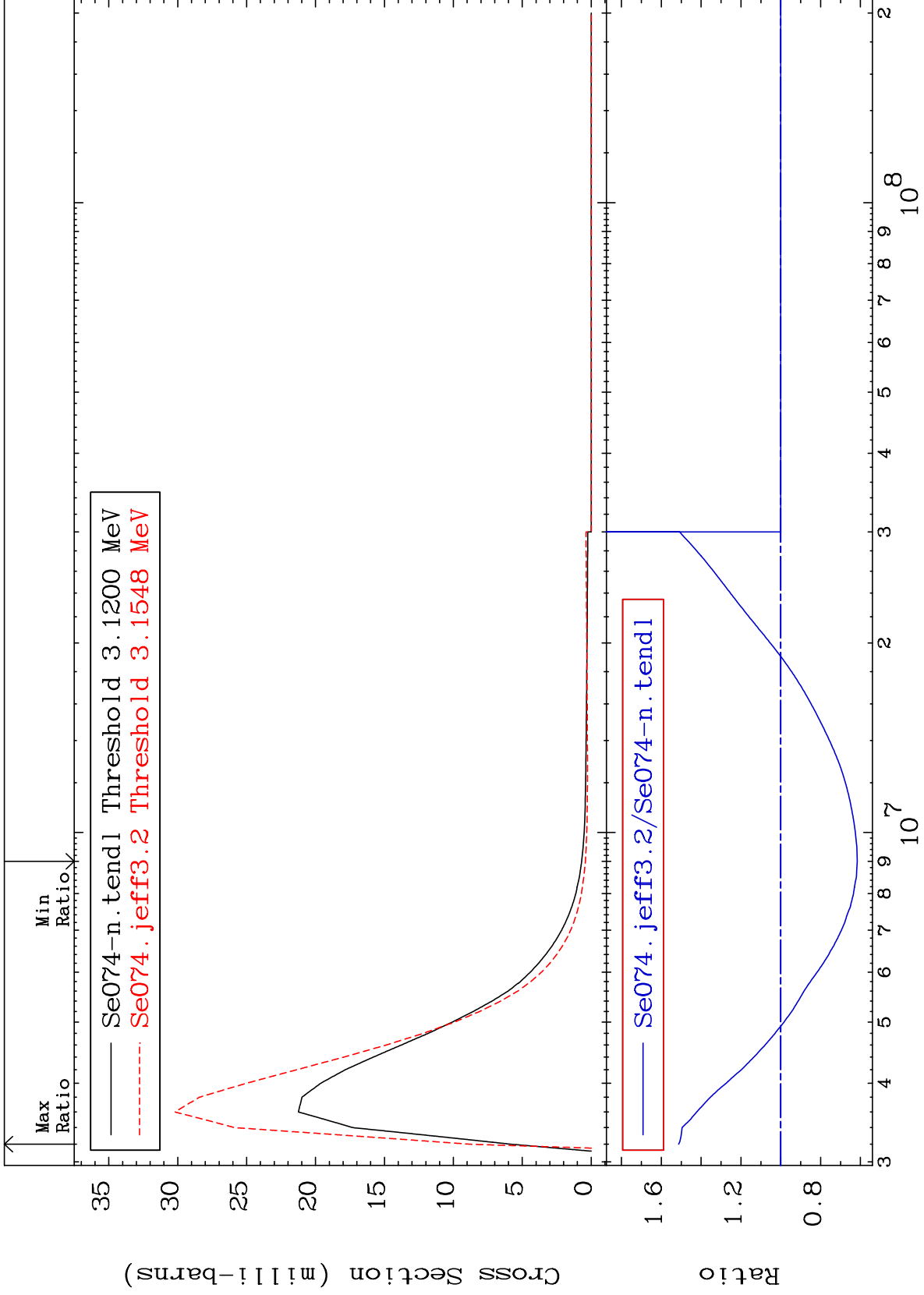
Incident Energy (eV)

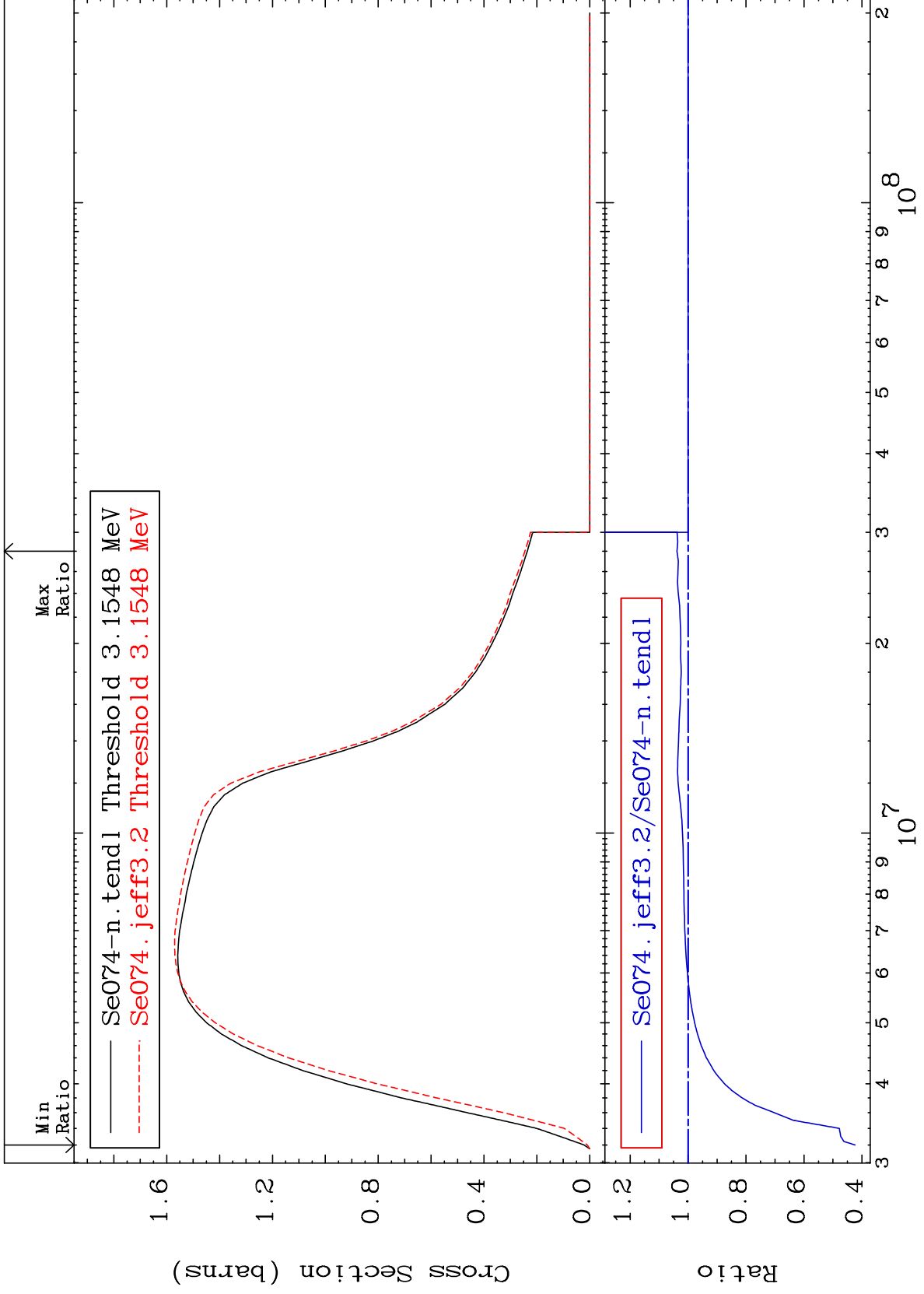
34-Se-74

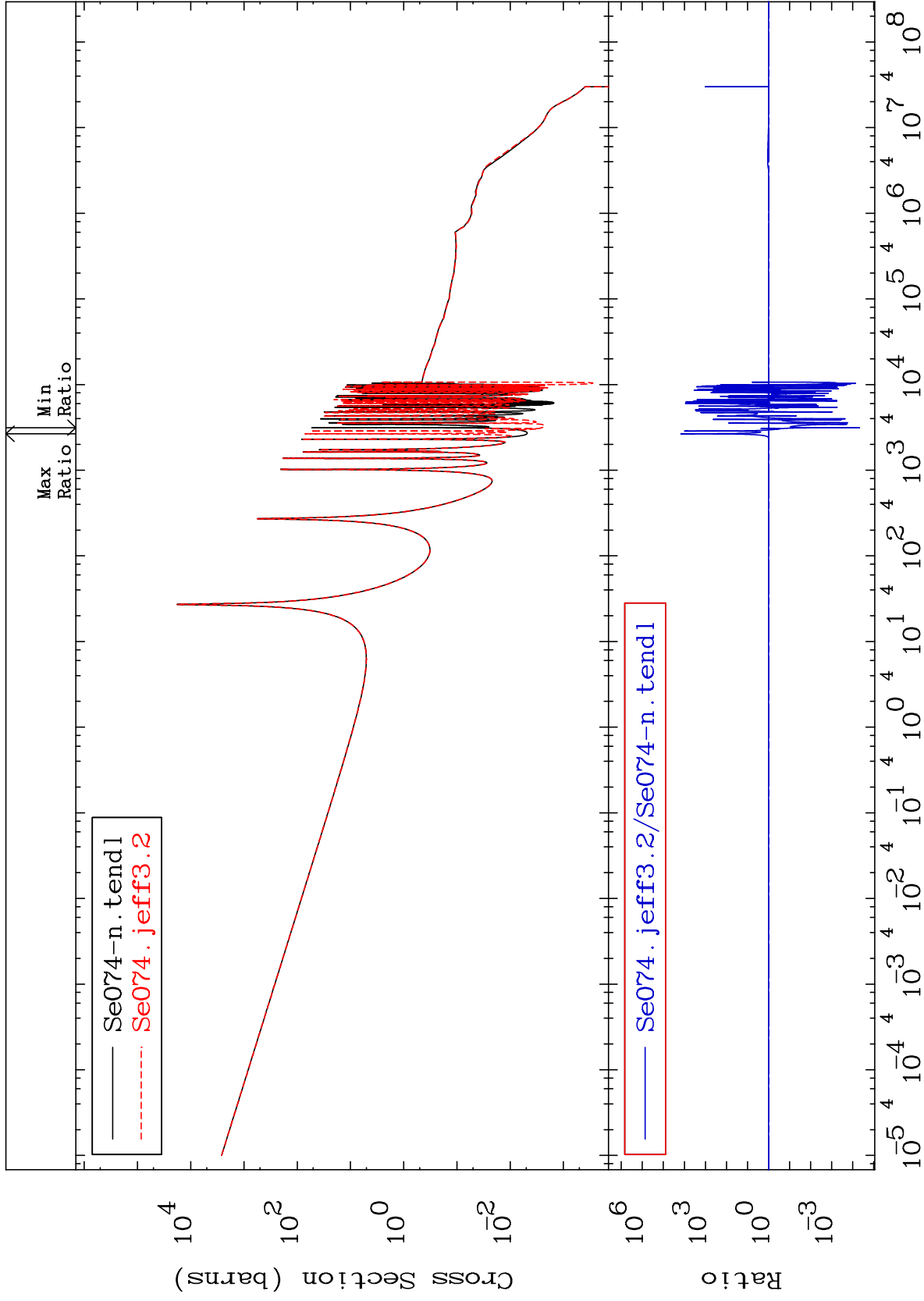
MAT 3425

3.078 MeV (n,n') Level
Cross Section

34-Se-74
-38.40 To 51.29 %







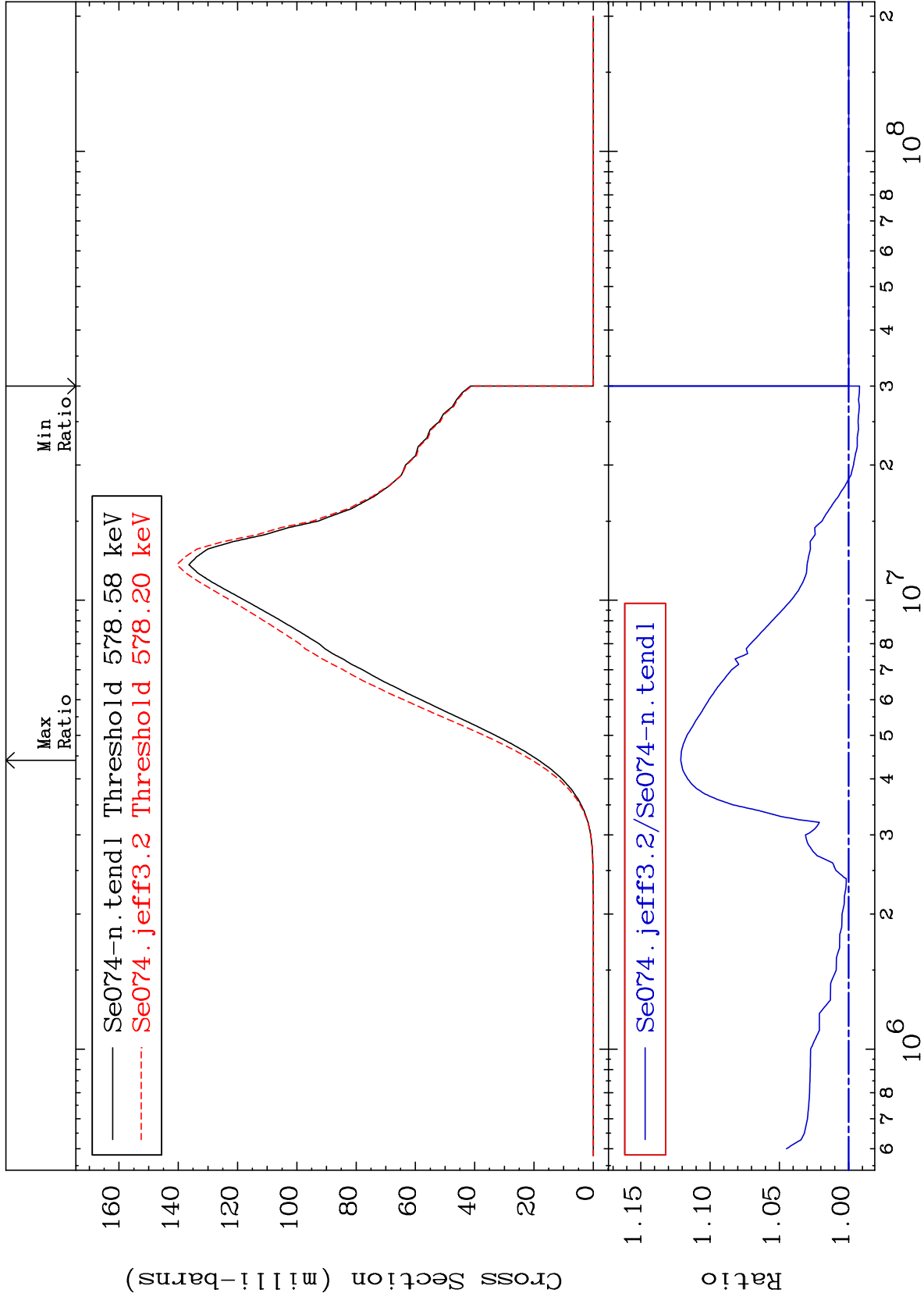
MAT 3425

(n,p)

³⁴Se-74

Cross Section

-0.787 To 12.11 %



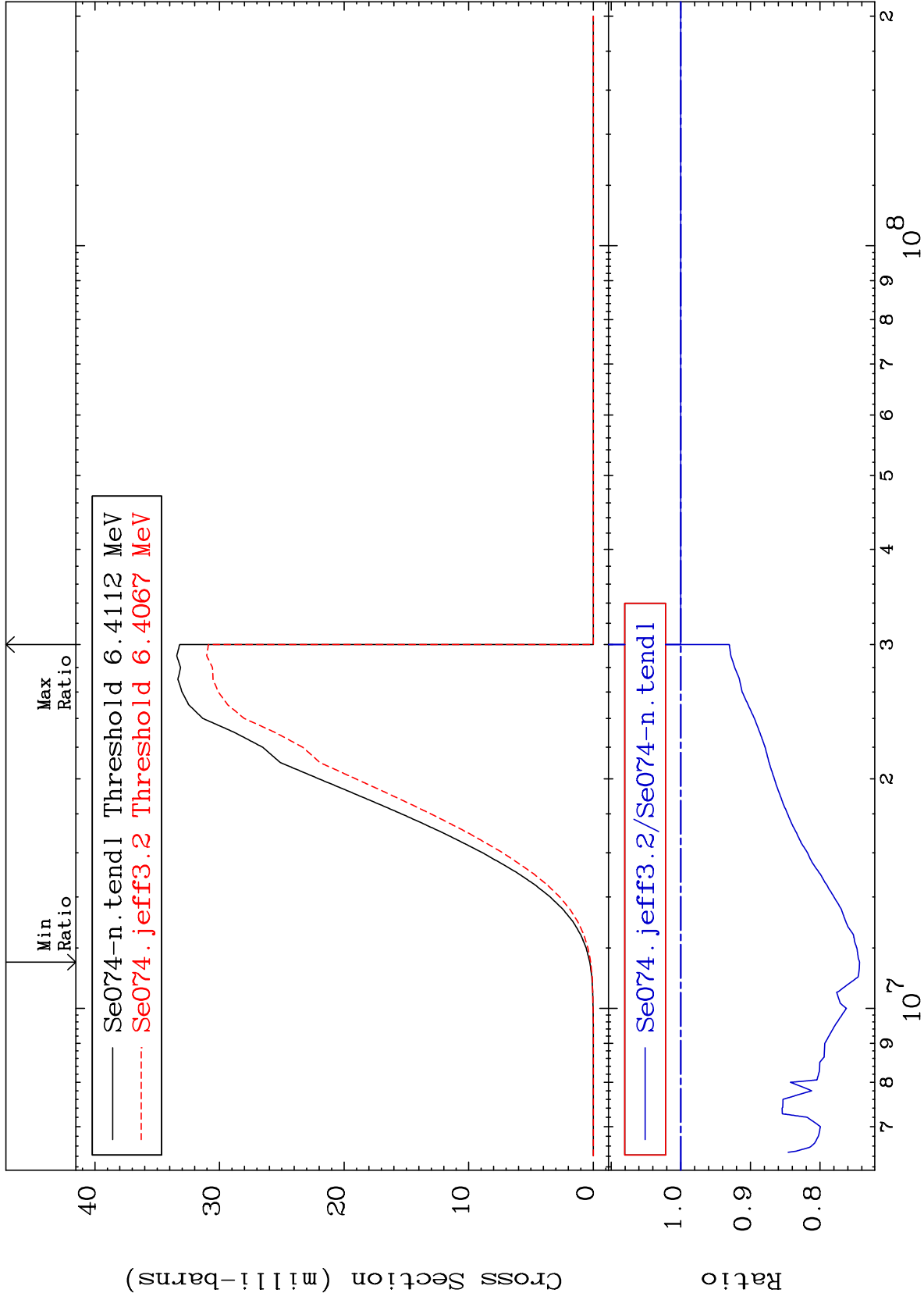
MAT 3425

(n, d)

³⁴Se-74

Cross Section

-25.67 To 0.000 %



51

Incident Energy (eV)

³⁴Se-74

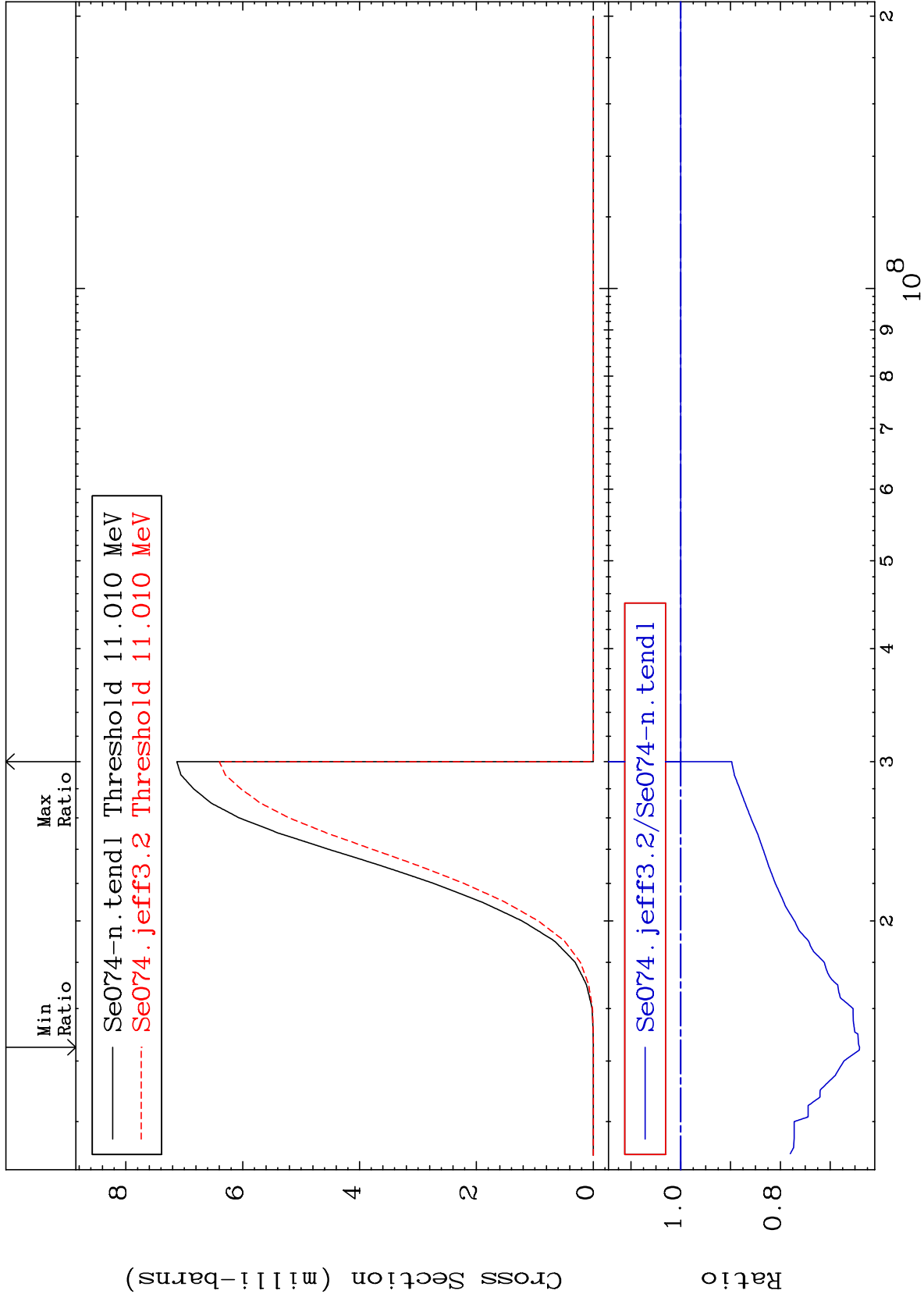
MAT 3425

(n, t)

³⁴Se-74

Cross Section

-35.91 To 0.000 %



52

Incident Energy (eV)

³⁴Se-74

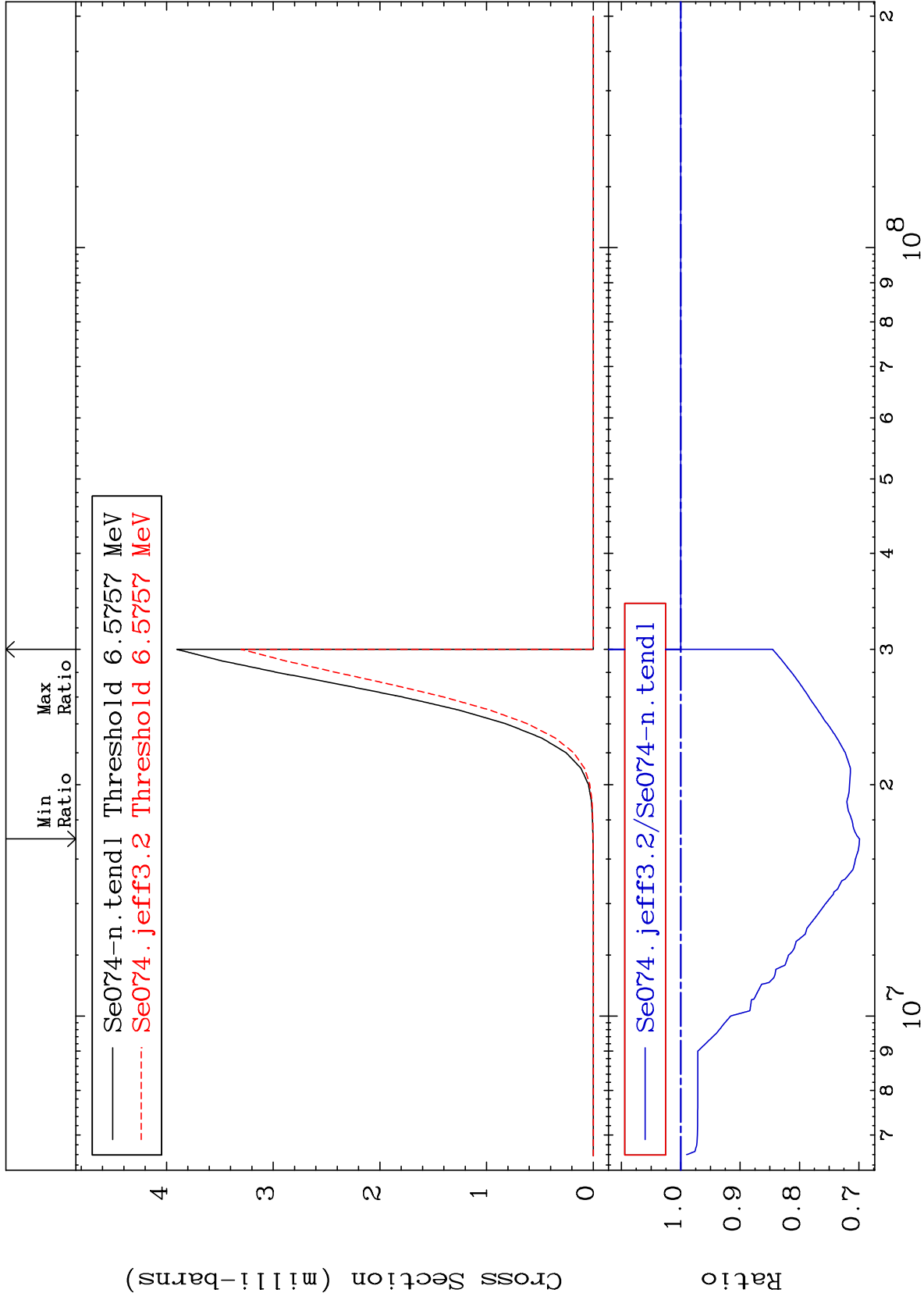
MAT 3425

(n, He-3)

³⁴Se-74

Cross Section

-30.11 To 0.000 %



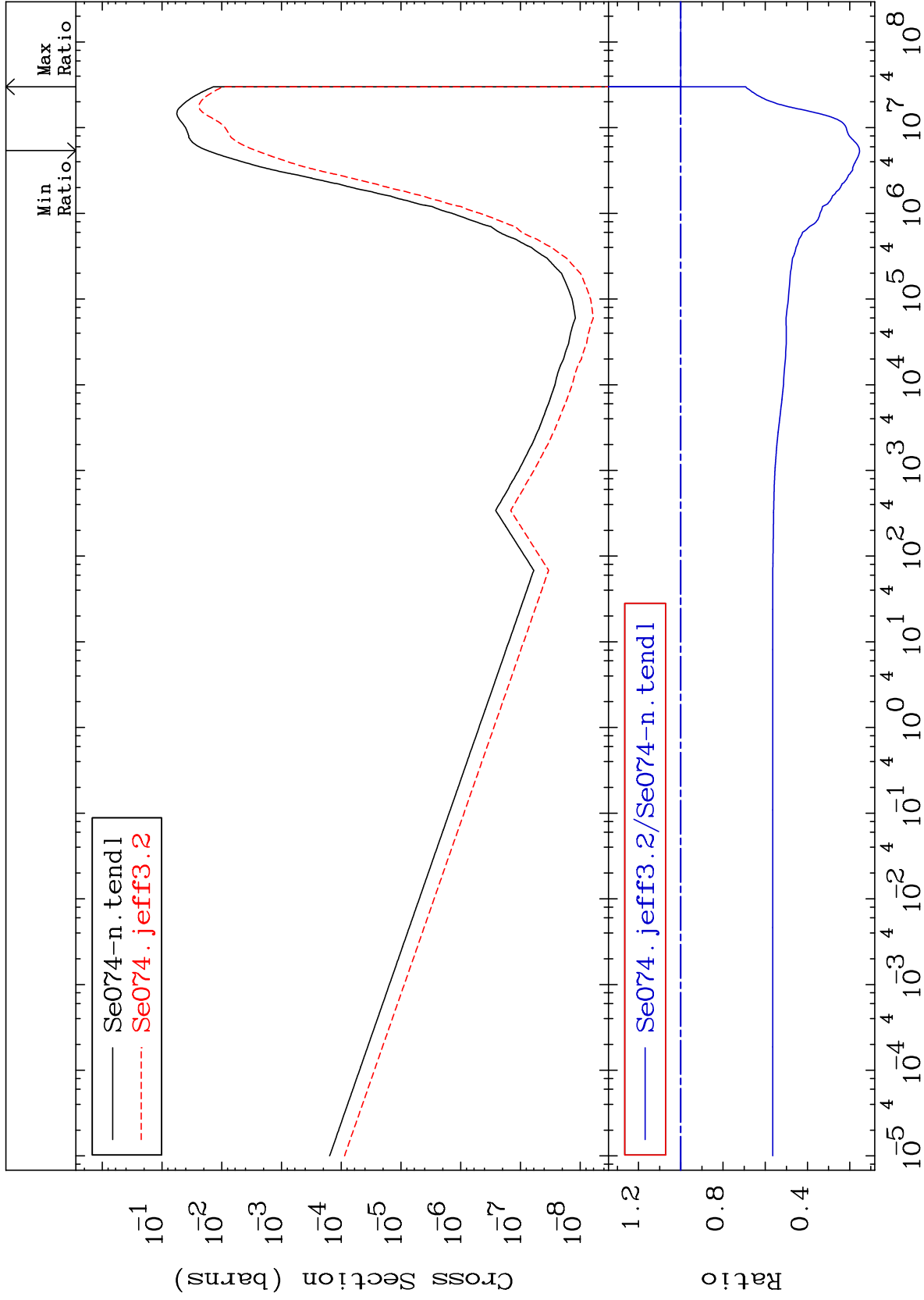
MAT 3425

(n, α)

³⁴Se-74

Cross Section

-84.64 To 0.000 %



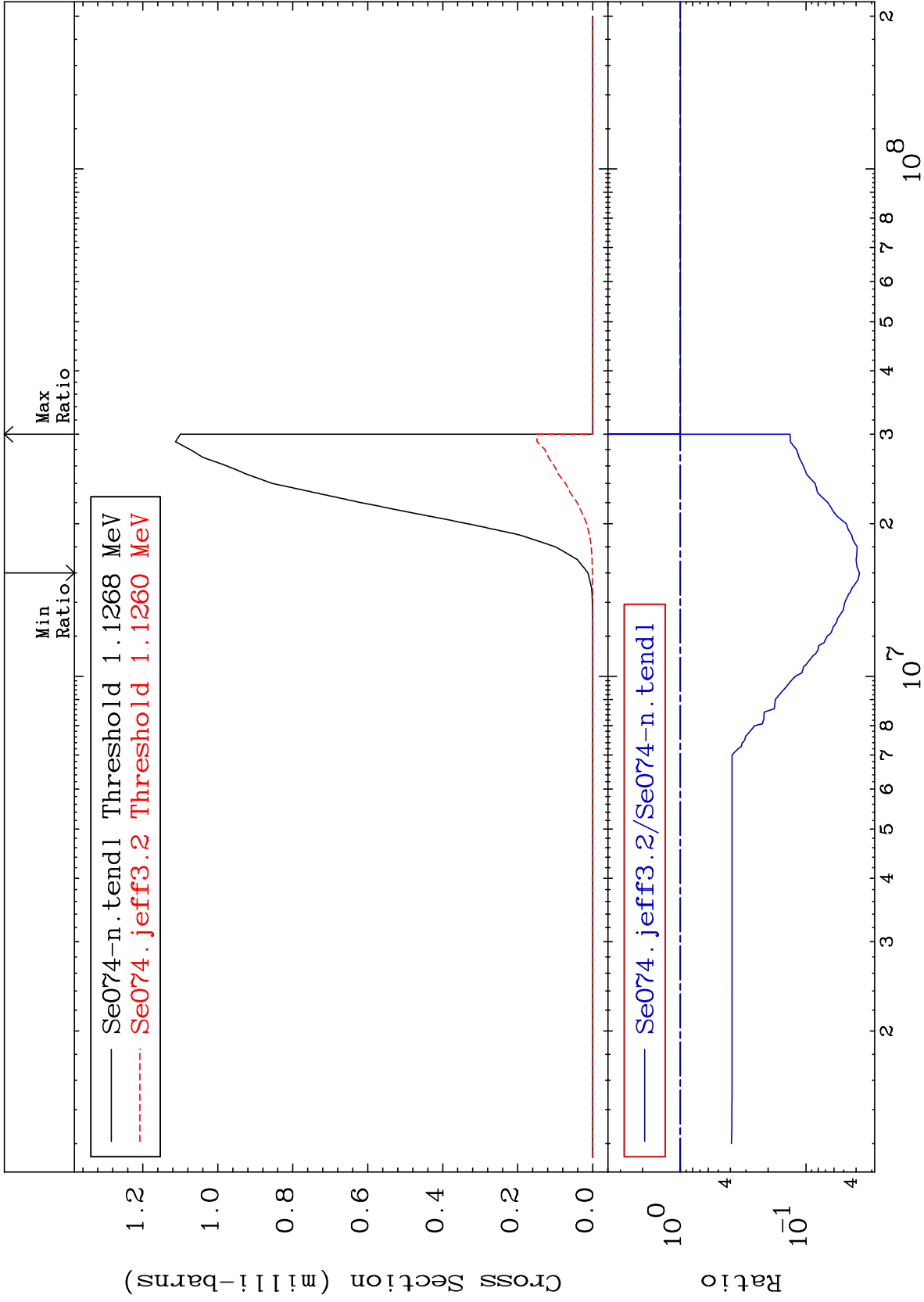
MAT 3425

(n,2α)

³⁴Se-74

Cross Section

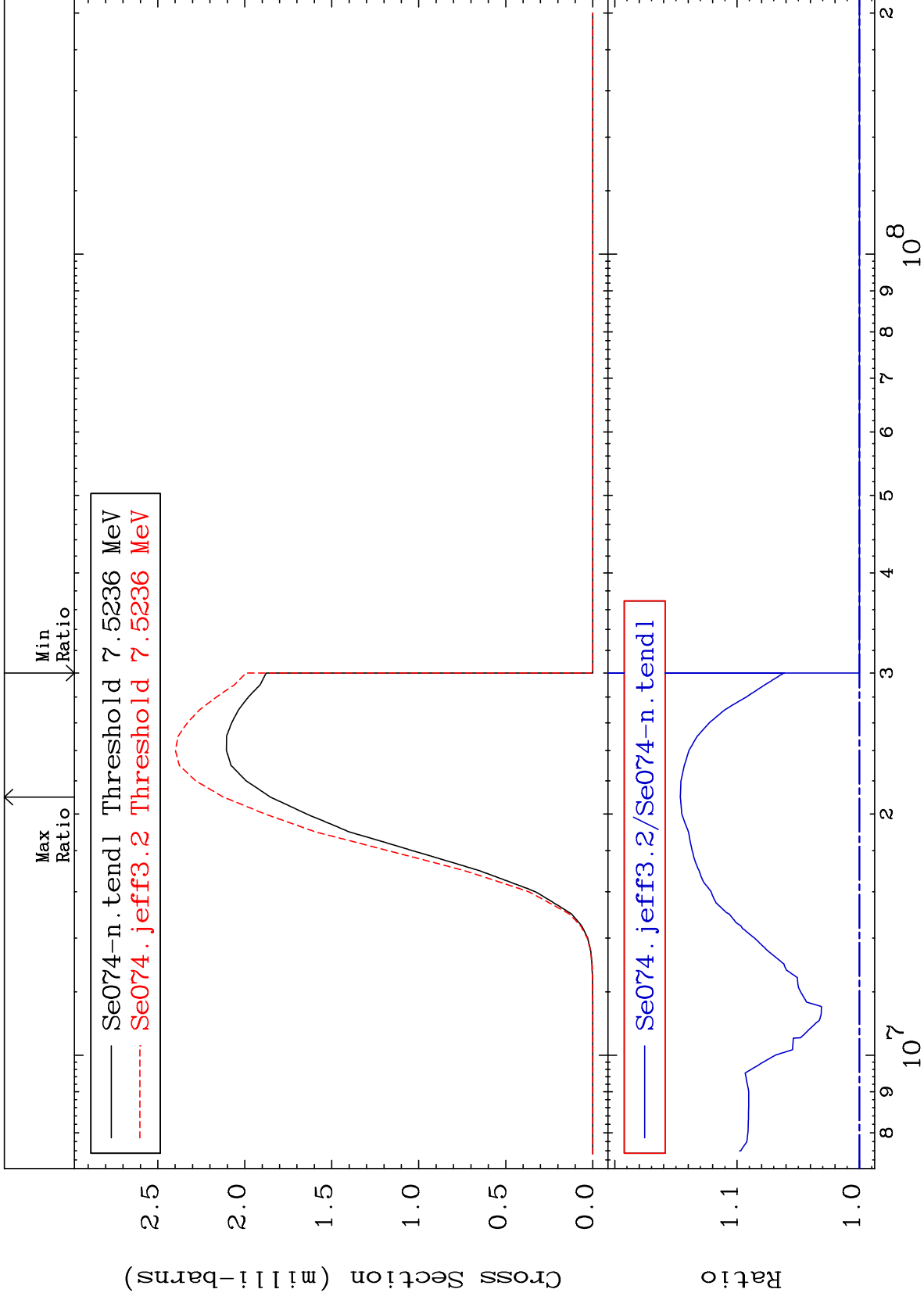
-96.24 To 0.000 %



MAT 3425

(n,2p)

Cross Section
0.000 To 14.64 %
34-Se-74

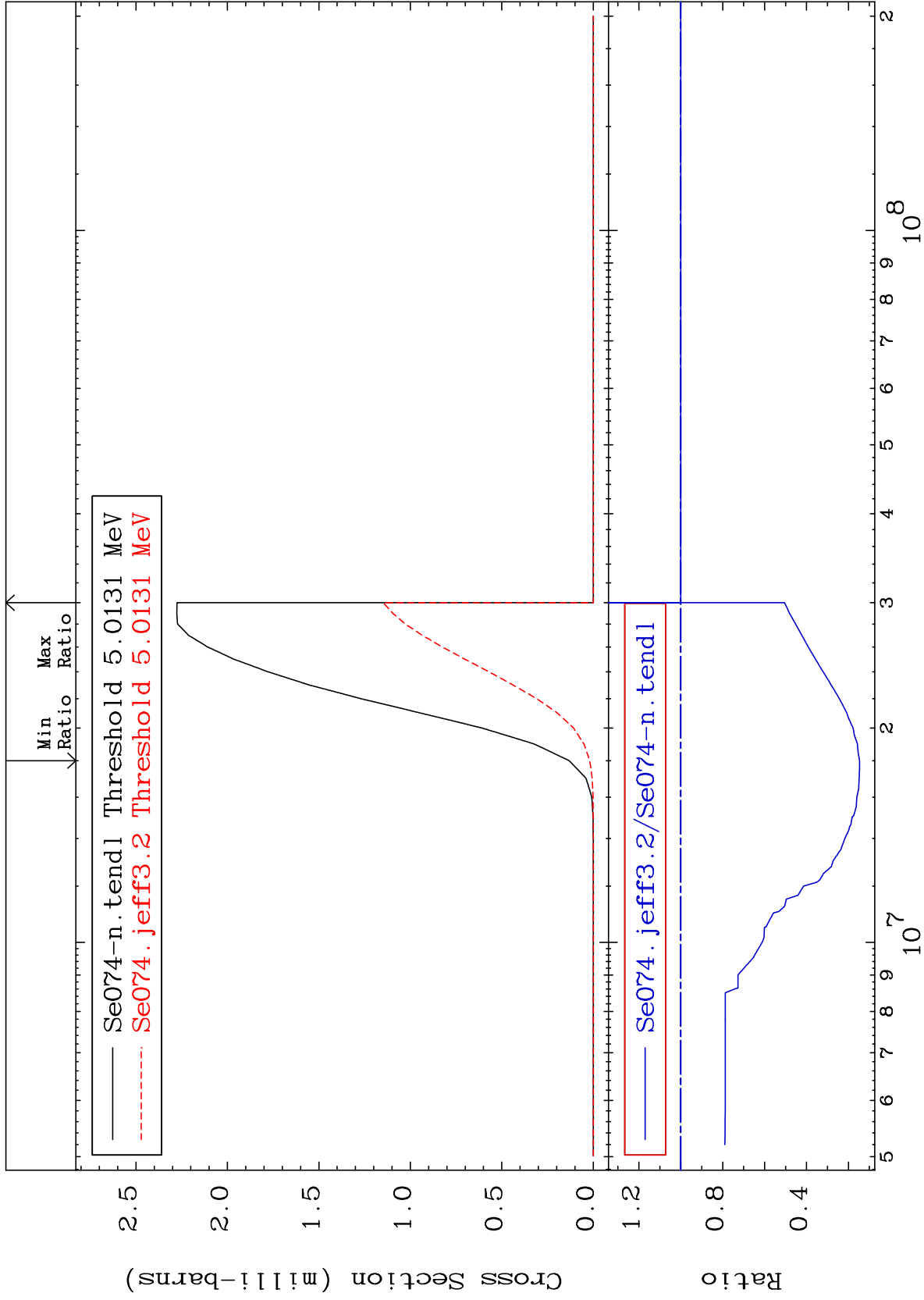


MAT 3425

³⁴Se-74

(n, p) α
Cross Section

-85.30 To 0.000 %



57

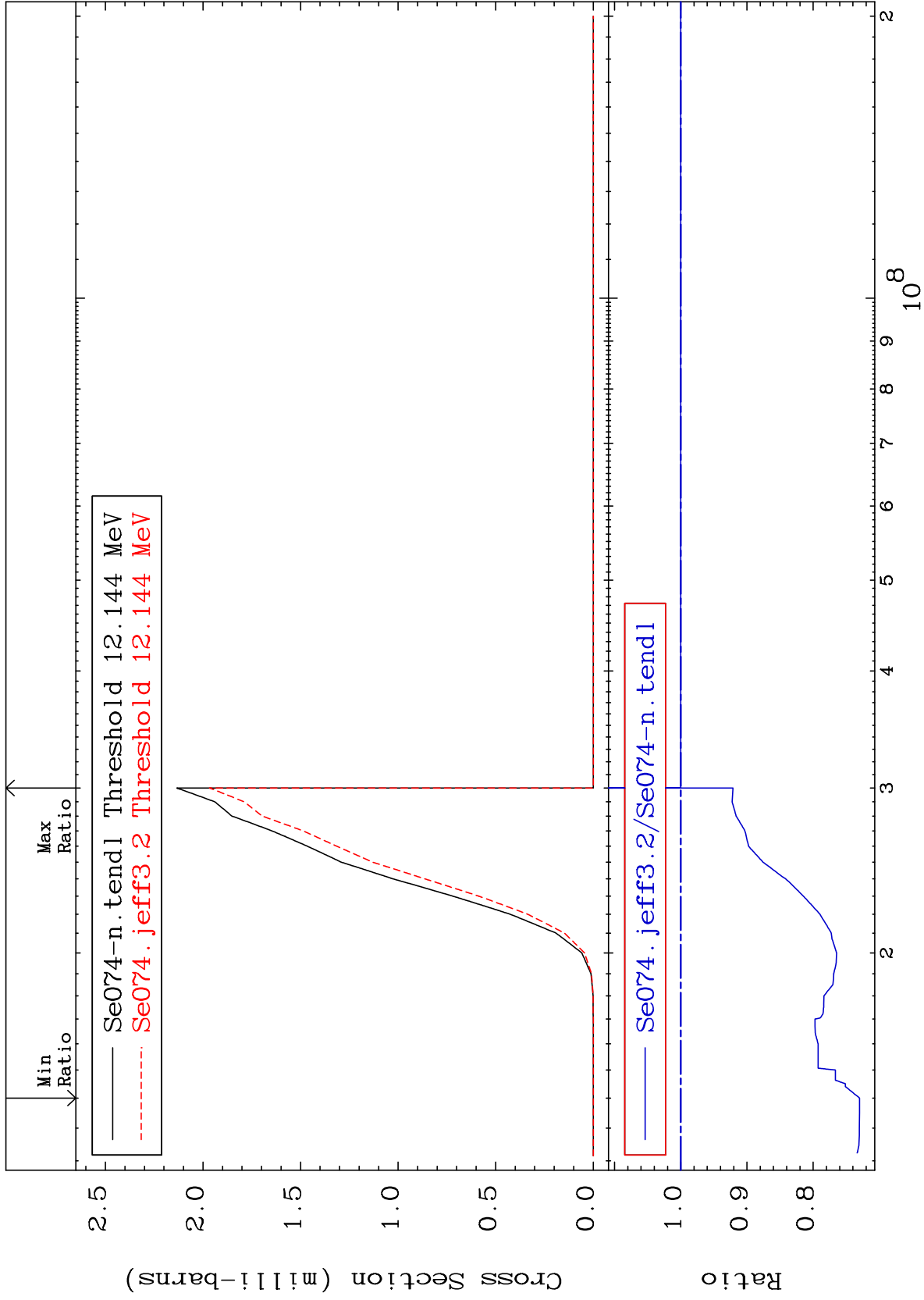
Incident Energy (eV)

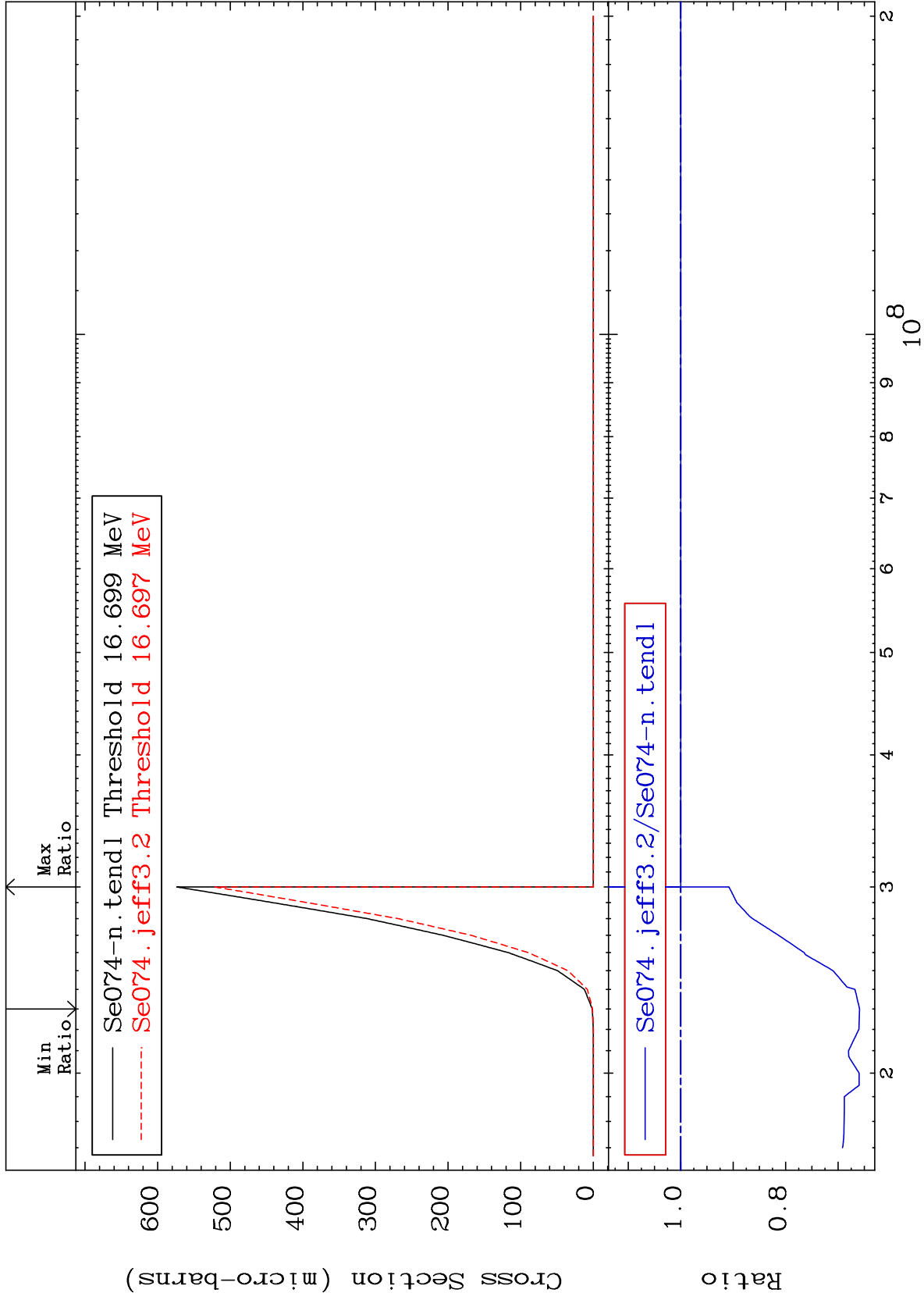
³⁴Se-74

MAT 3425

(n, p) d
Cross Section

³⁴Se-74
-27.00 To 0.000 %

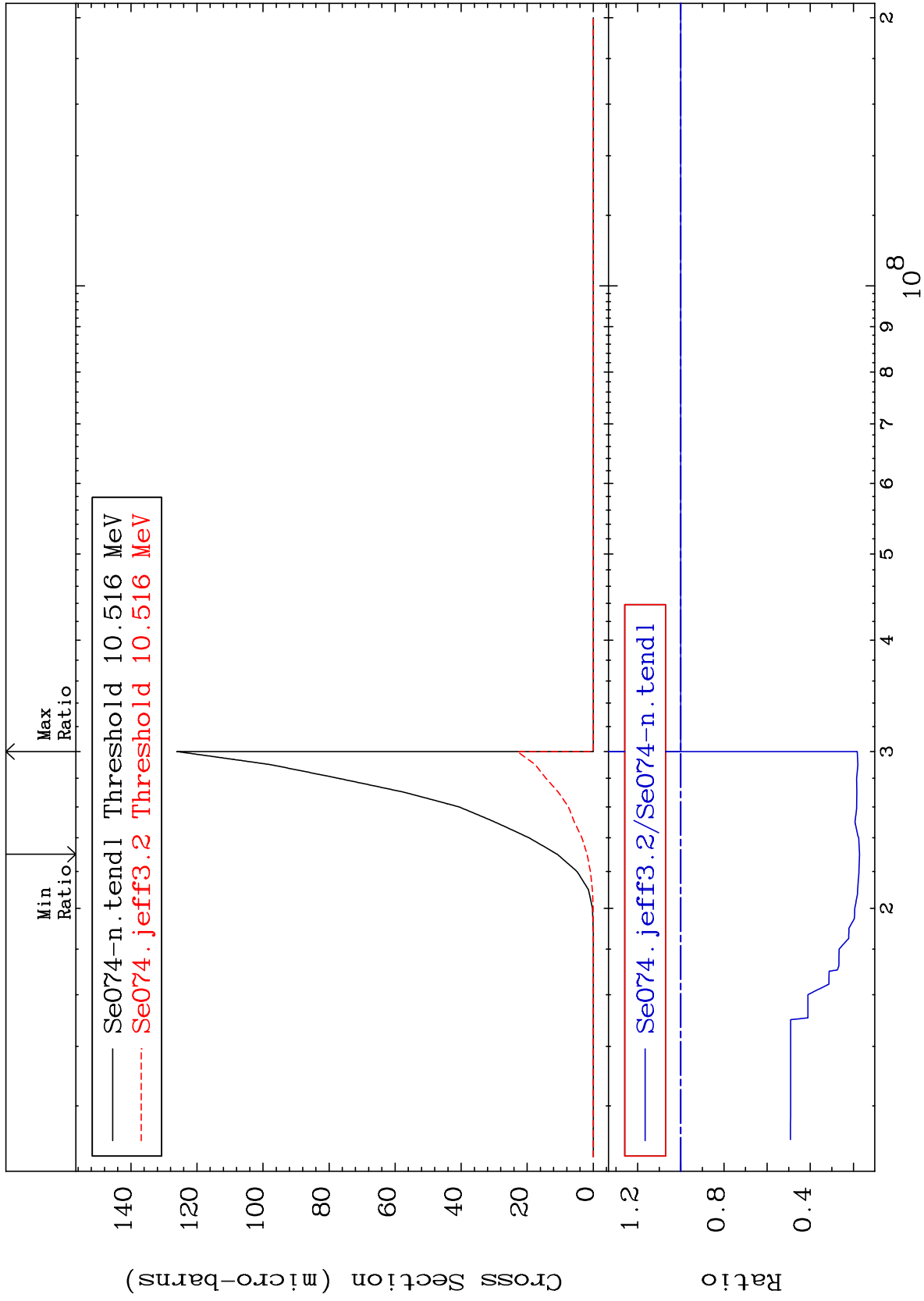




MAT 3425

(n,d) α
Cross Section

³⁴Se-74
-82.81 To 0.000 %



60

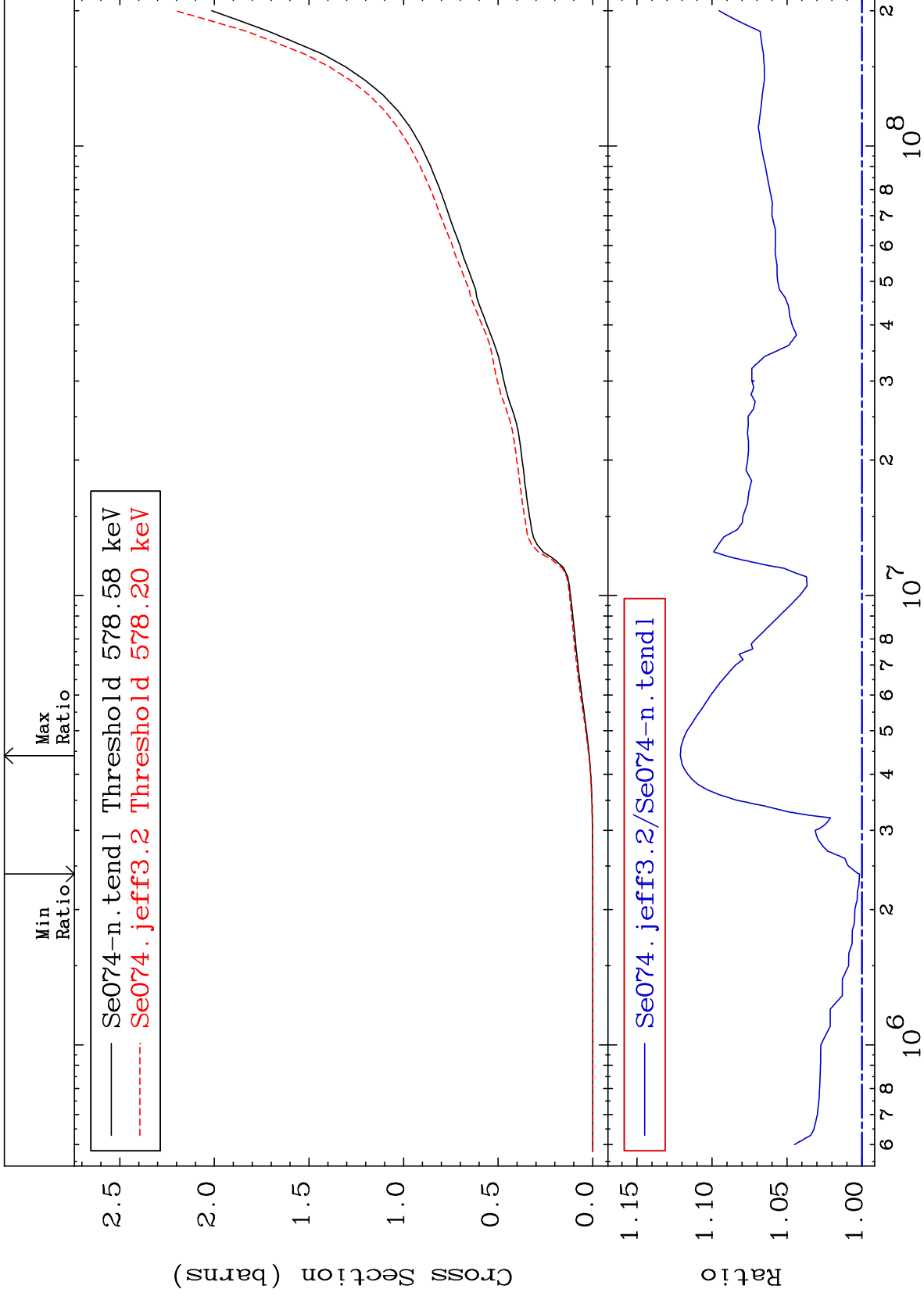
Incident Energy (eV)

³⁴Se-74

MAT 3425

Hydrogen Production
Cross Section

$^{34}\text{Se-74}$
0.169 To 12.11 %



61

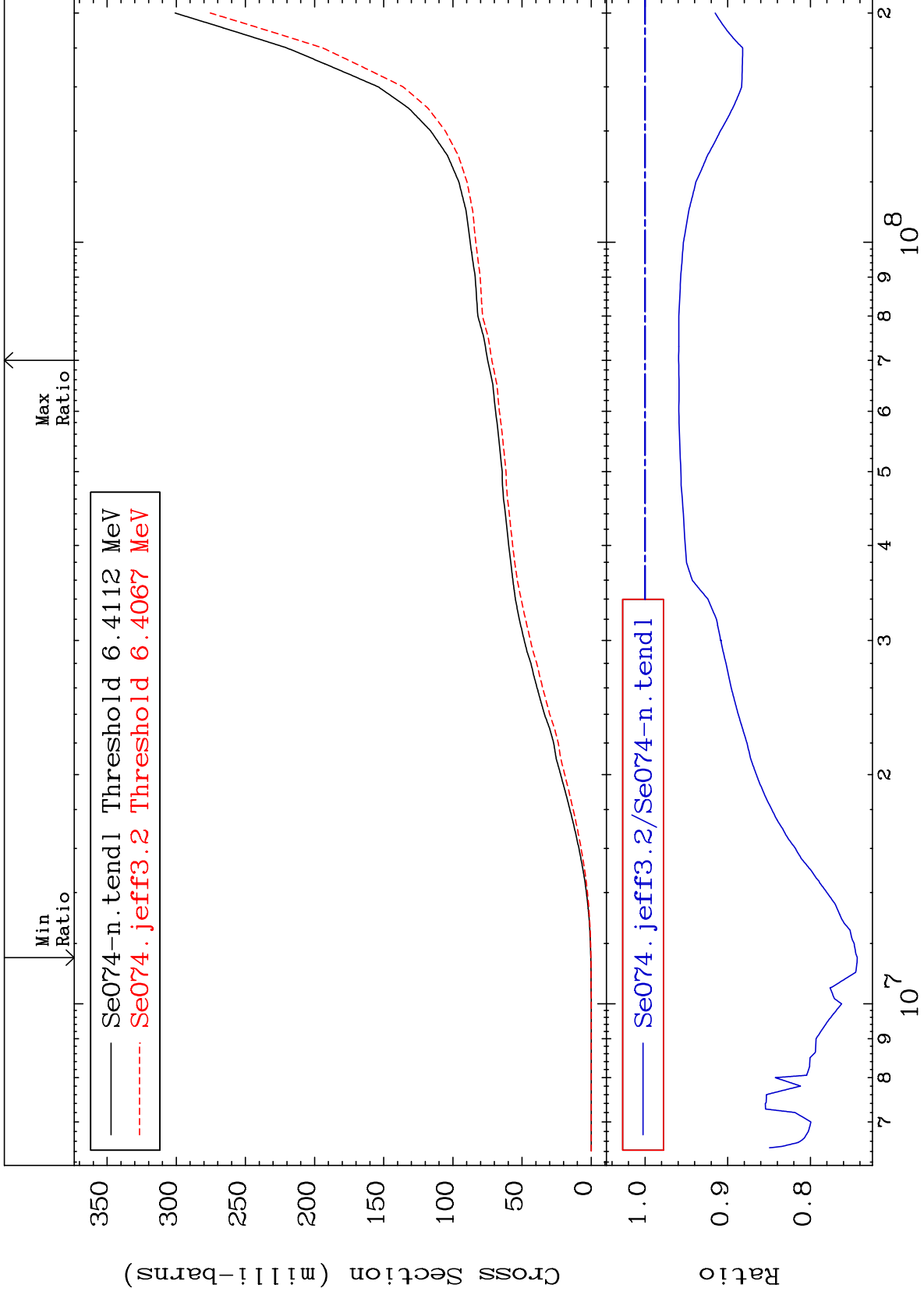
Incident Energy (eV)

$^{34}\text{Se-74}$

MAT 3425

Deuterium Production
Cross Section

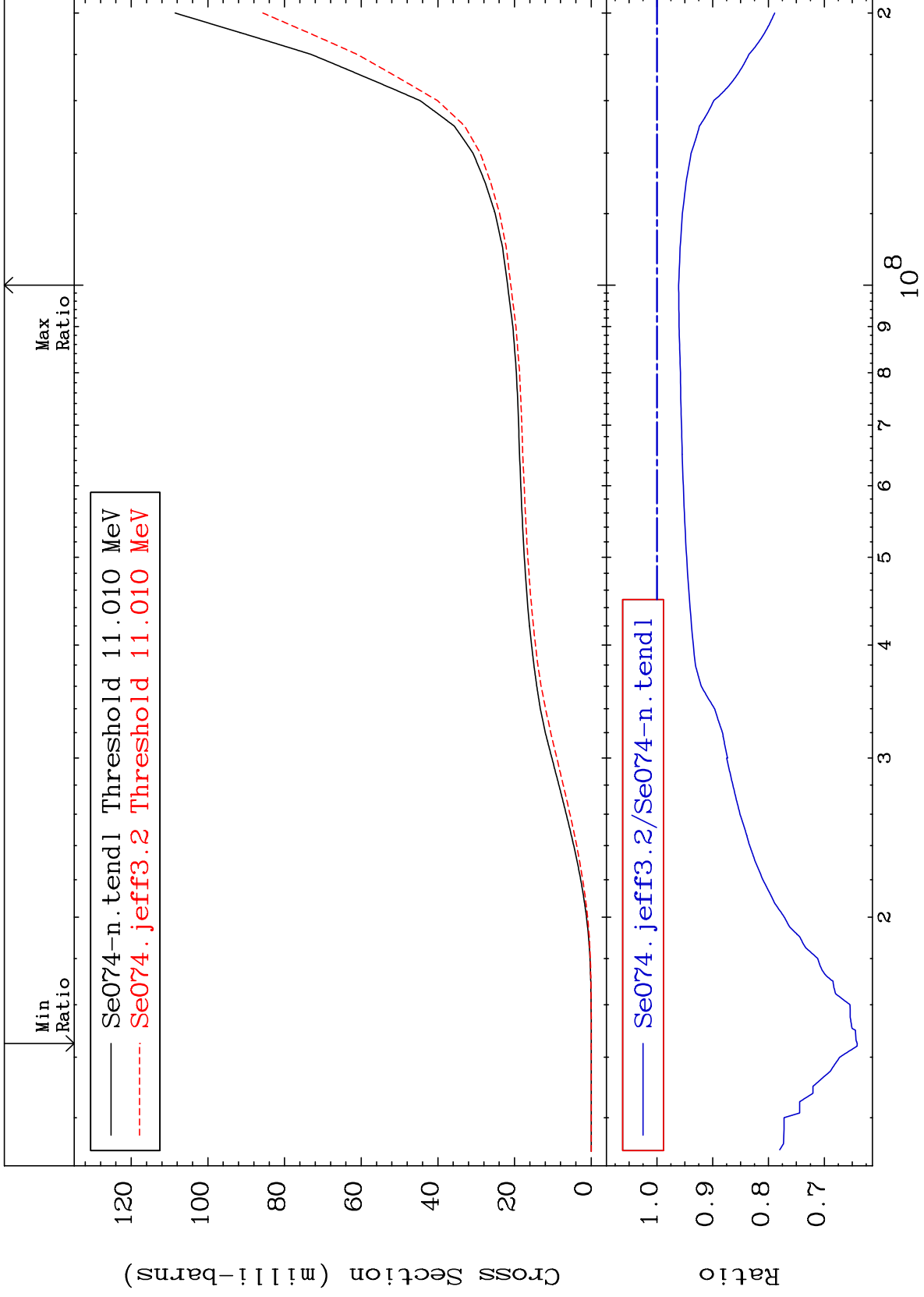
³⁴Se-74
-25.67 To -4.058%



MAT 3425

Tritium Production
Cross Section

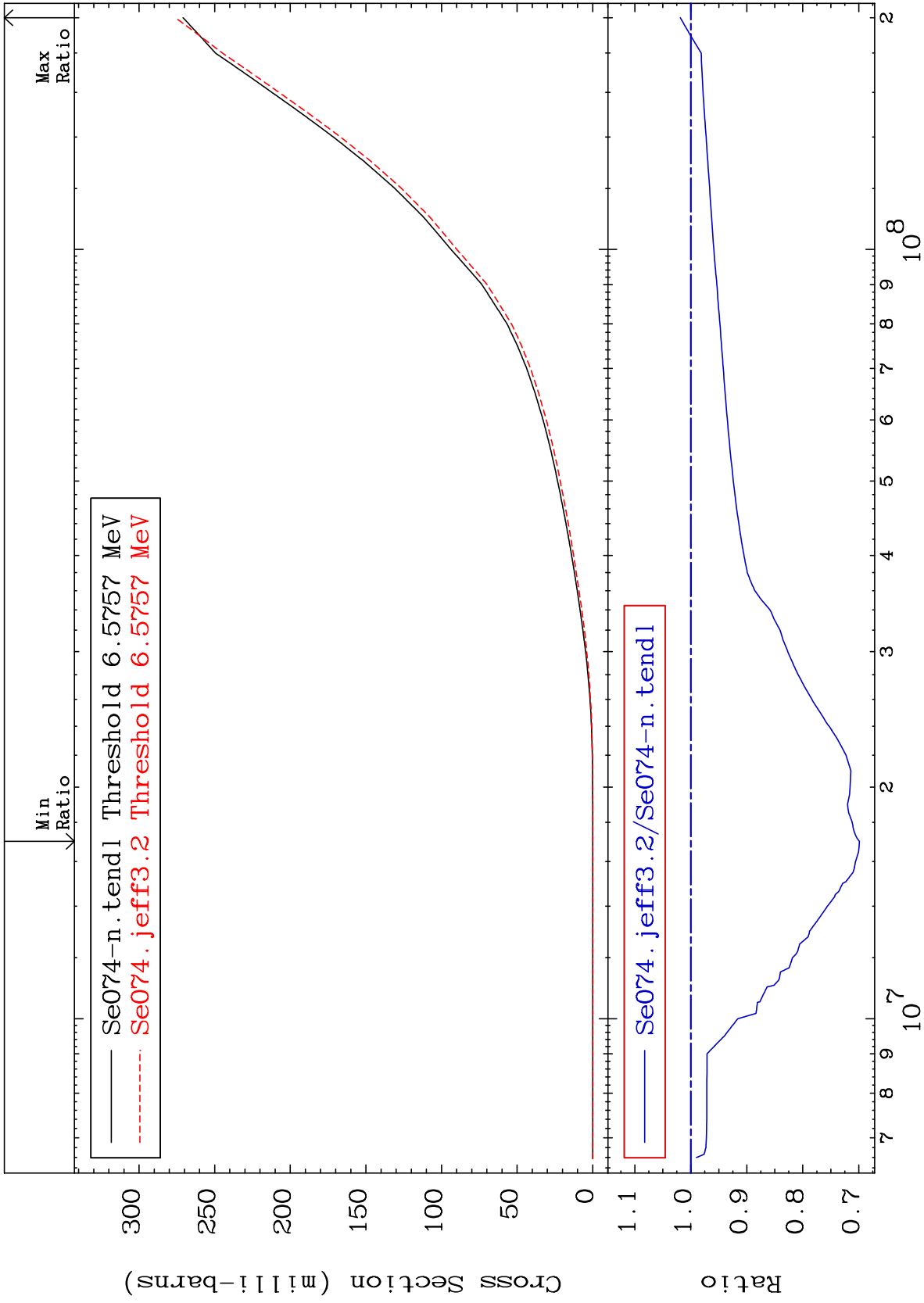
$^{34}\text{Se-74}$
-35.91 To -3.889%



MAT 3425

He-3 Production
Cross Section

34-Se-74
-30.11 To 1.865 %



64

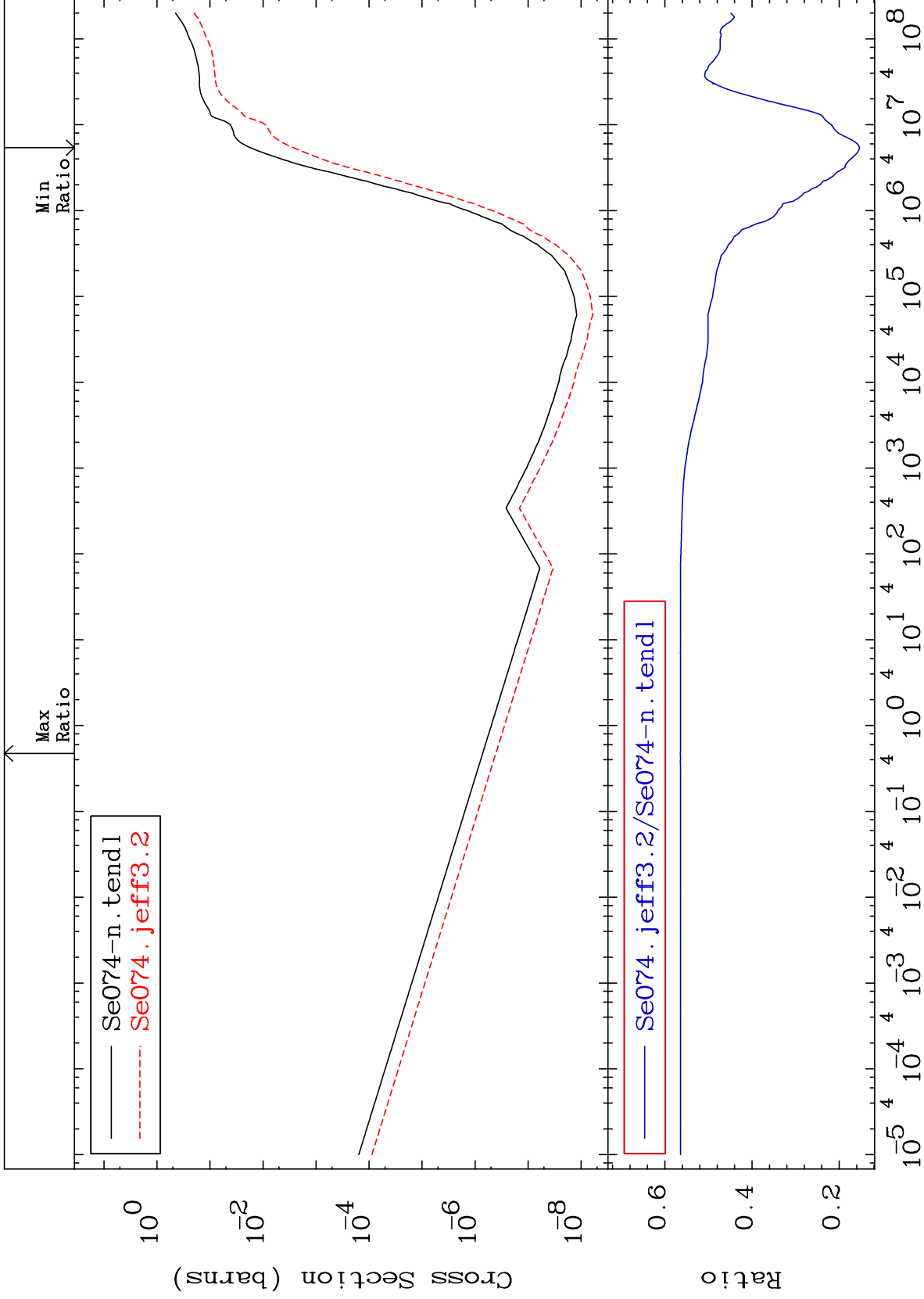
Incident Energy (eV)

34-Se-74

MAT 3425

He-4 Production
Cross Section

³⁴Se-74
-84.64 To -43.55%



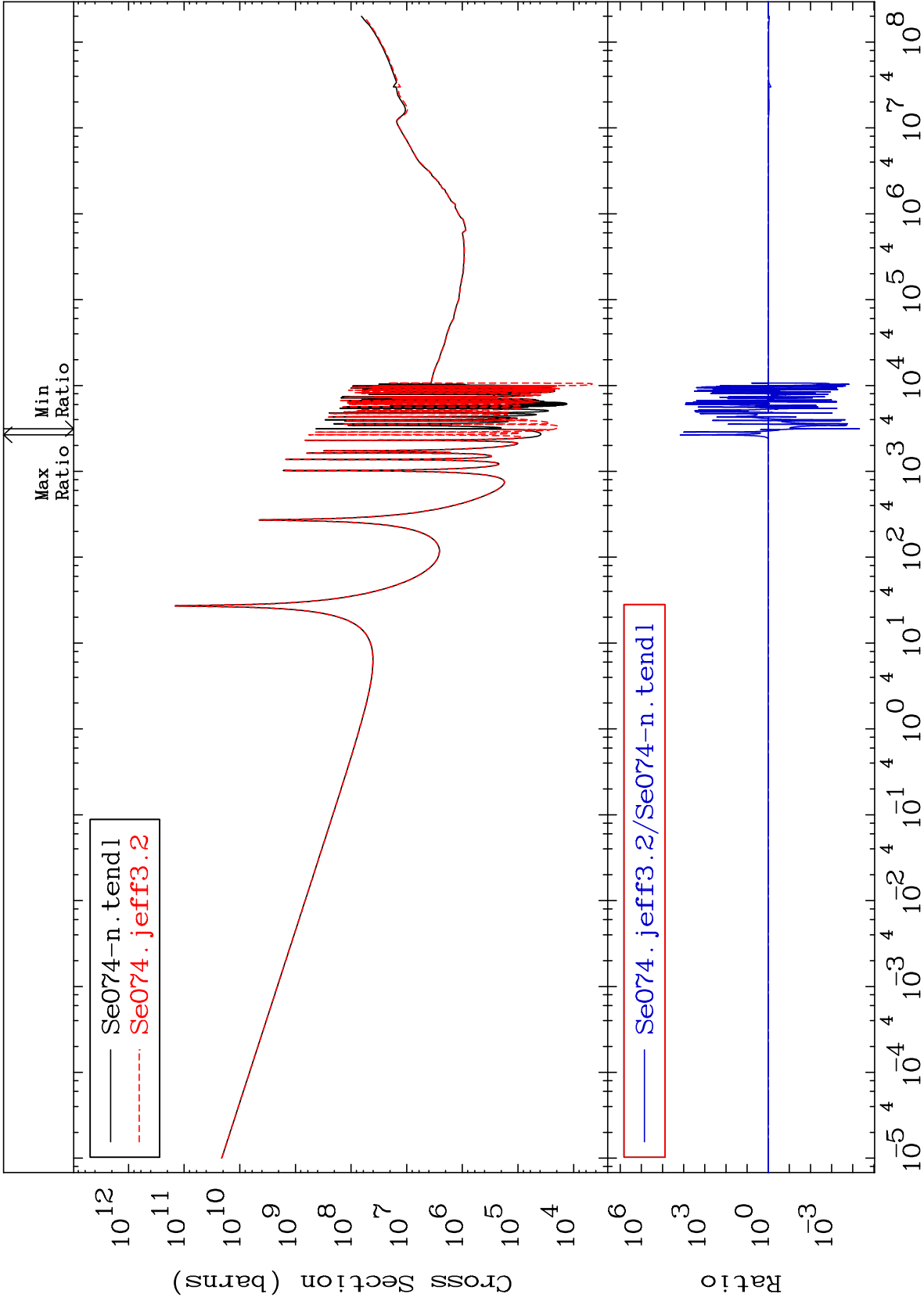
65

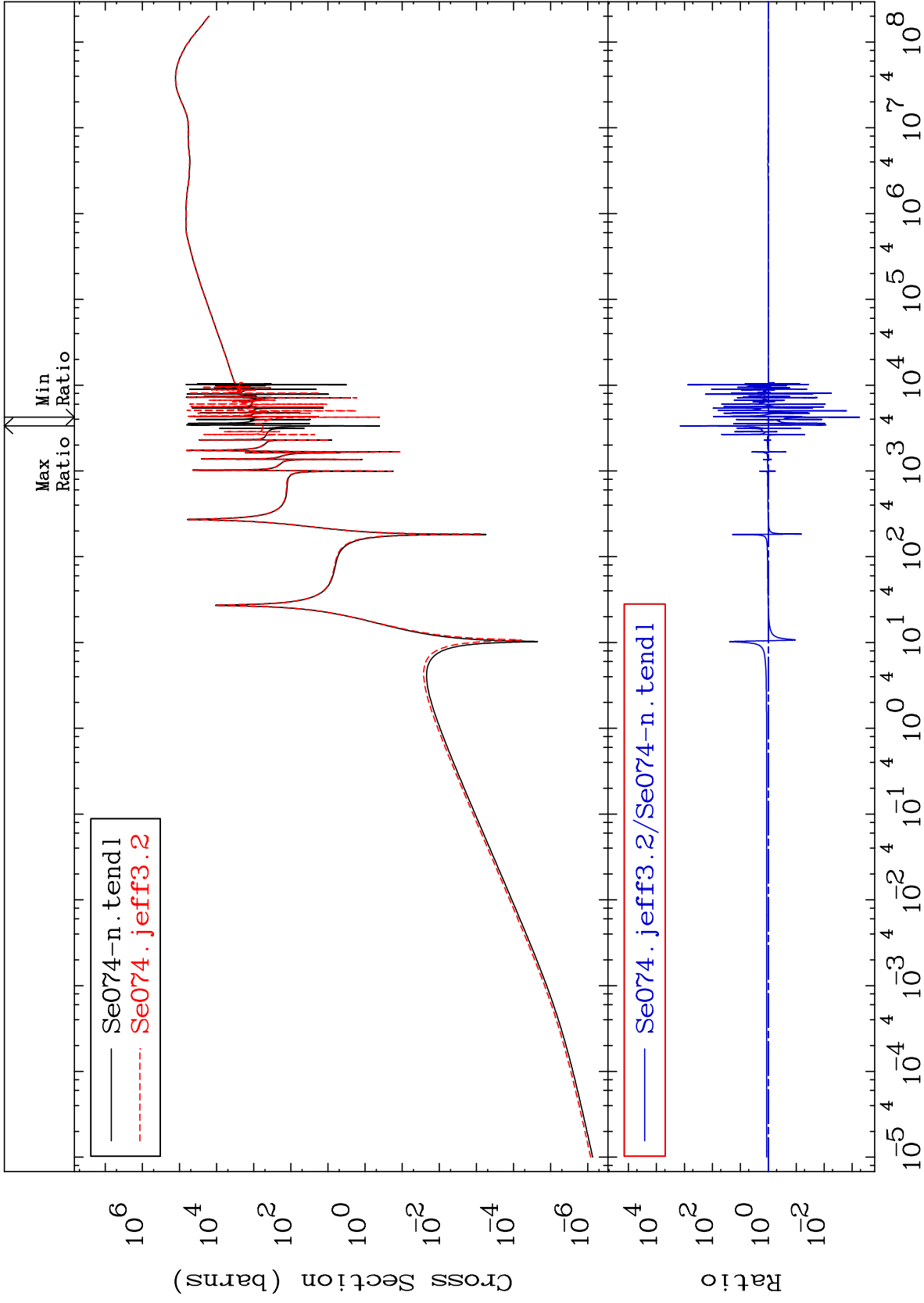
Incident Energy (eV)

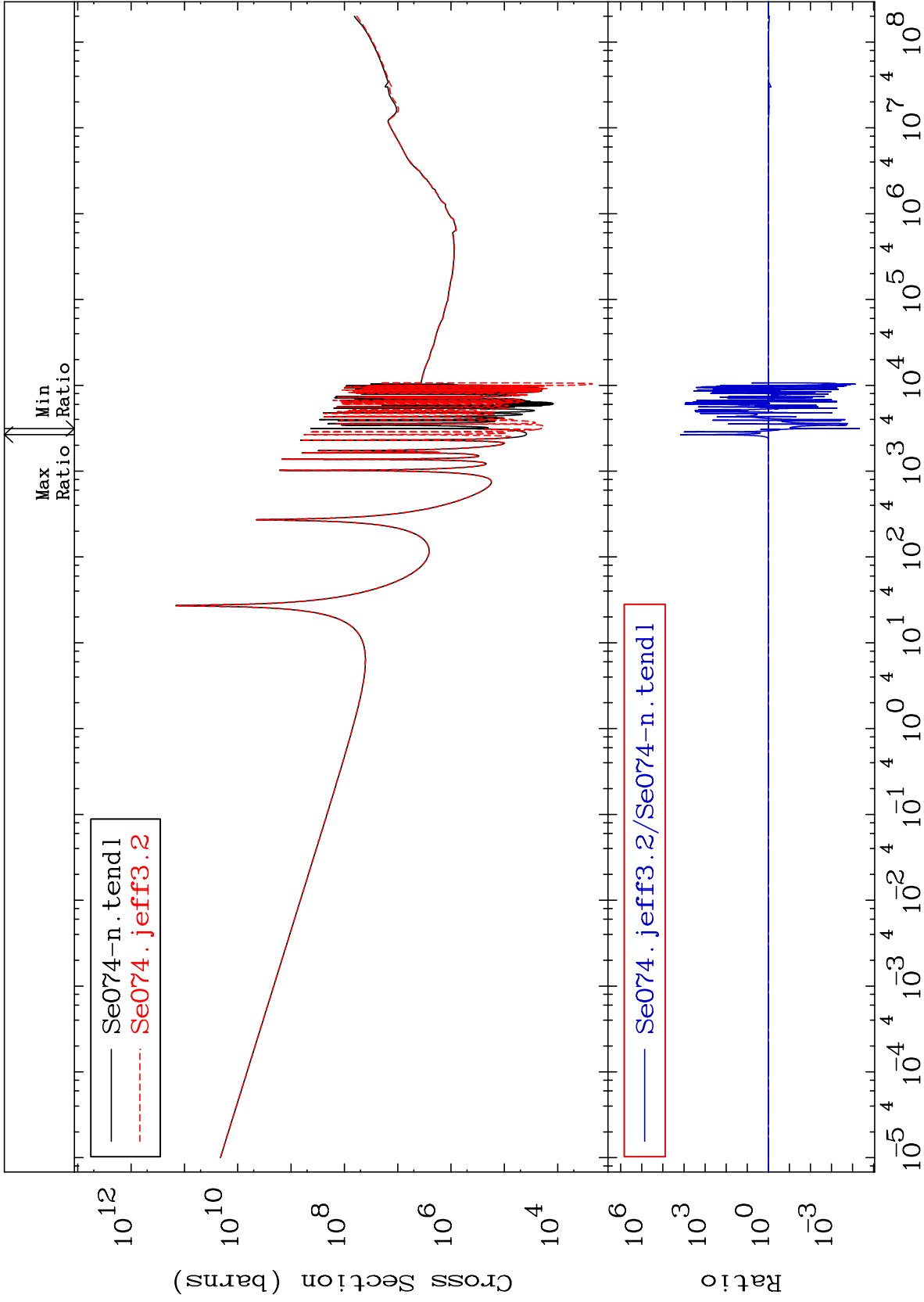
³⁴Se-74

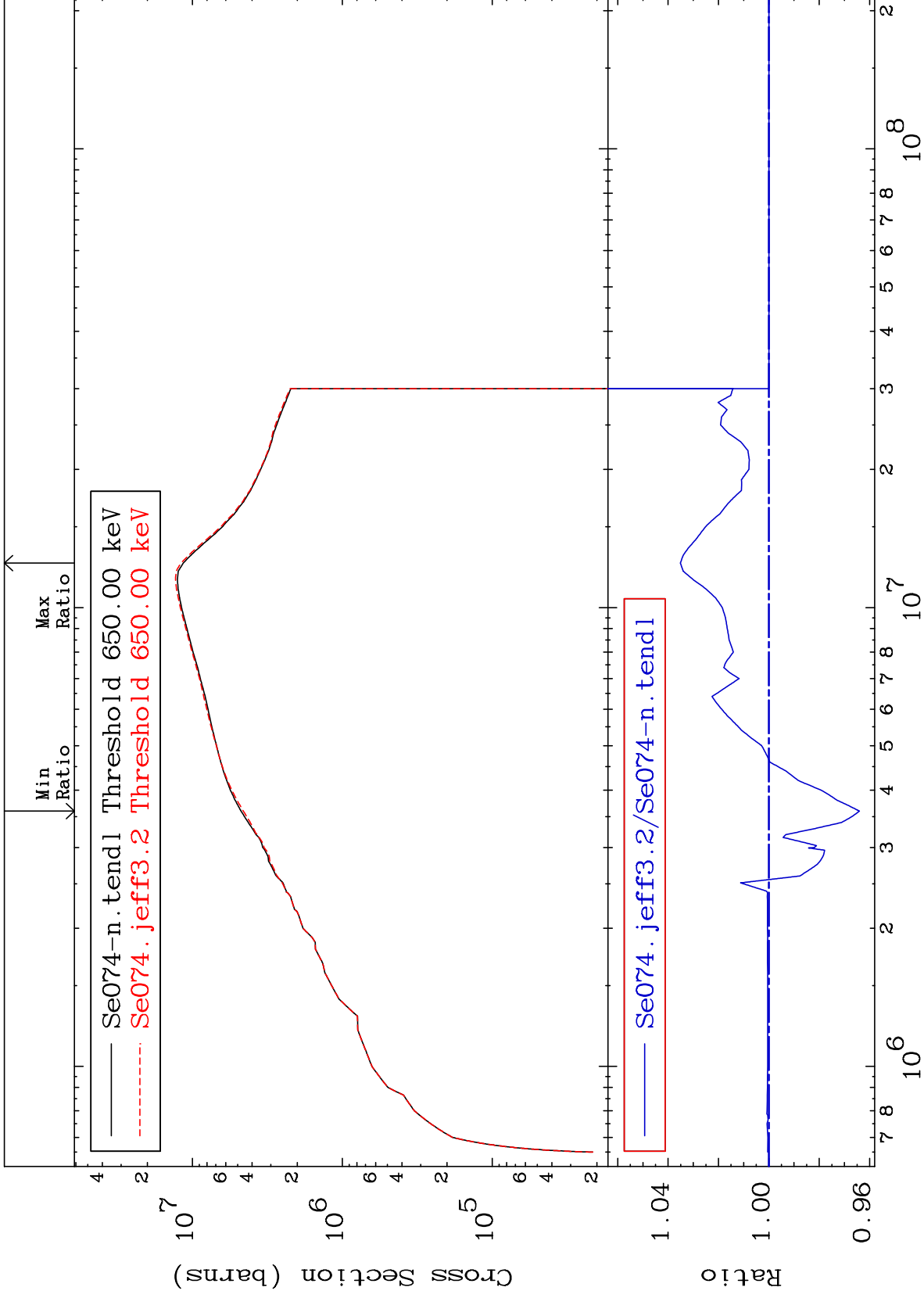
Cross Section

-100.0 To 9999. %





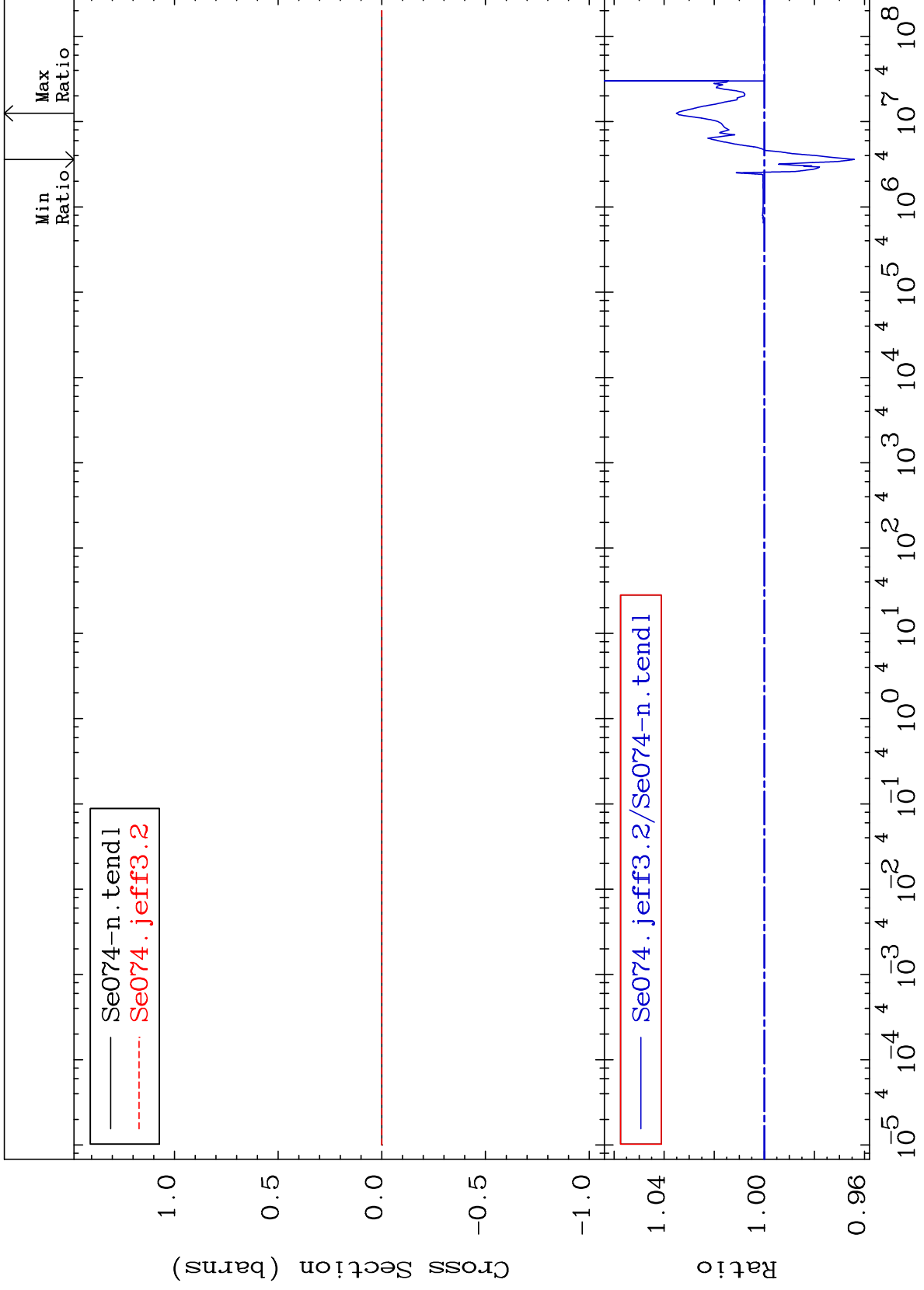




MAT 3425

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

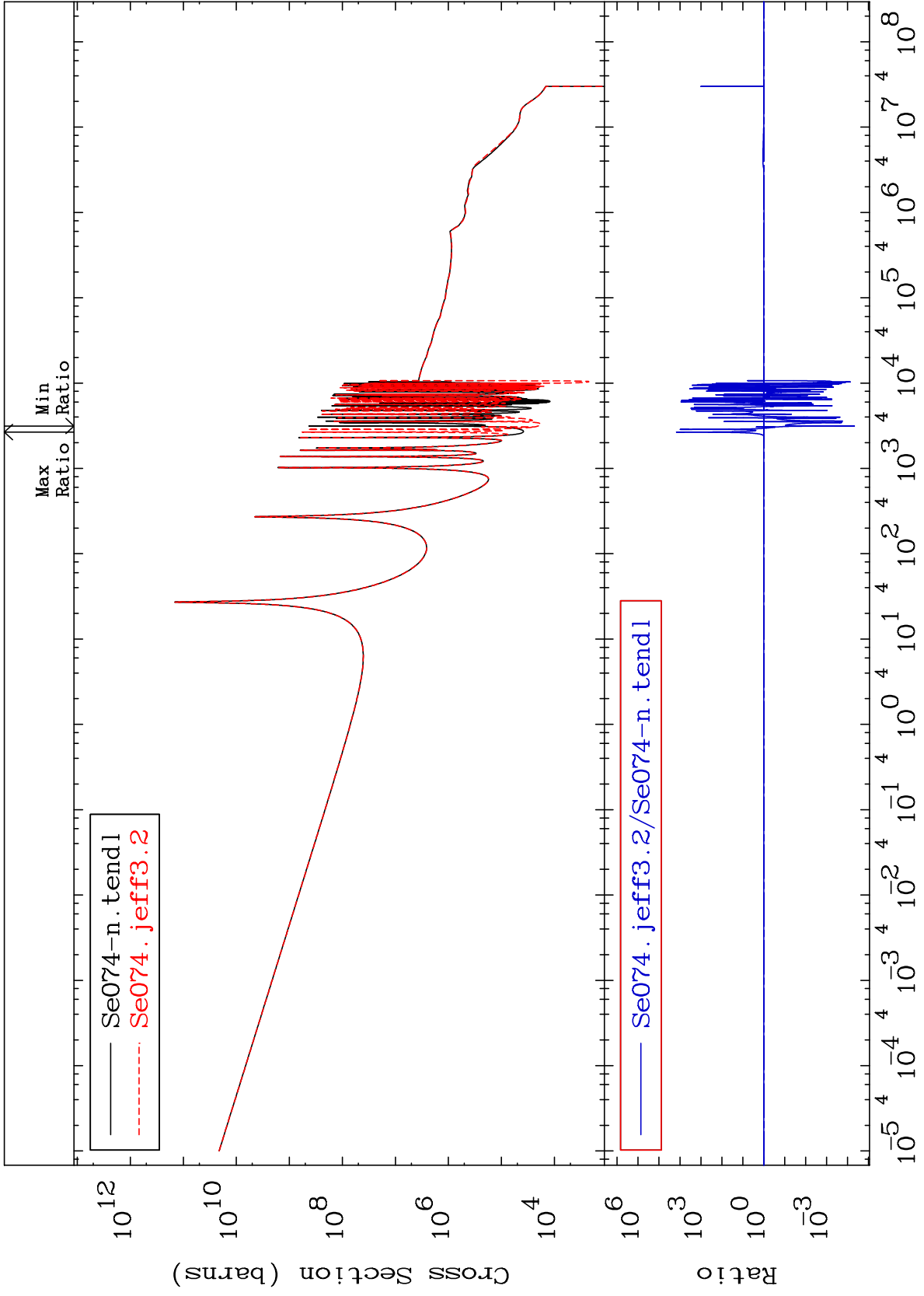
34-Se-74
-3.595 To 3.513 %



MAT 3425

Kerma capture (mt102)
Cross Section

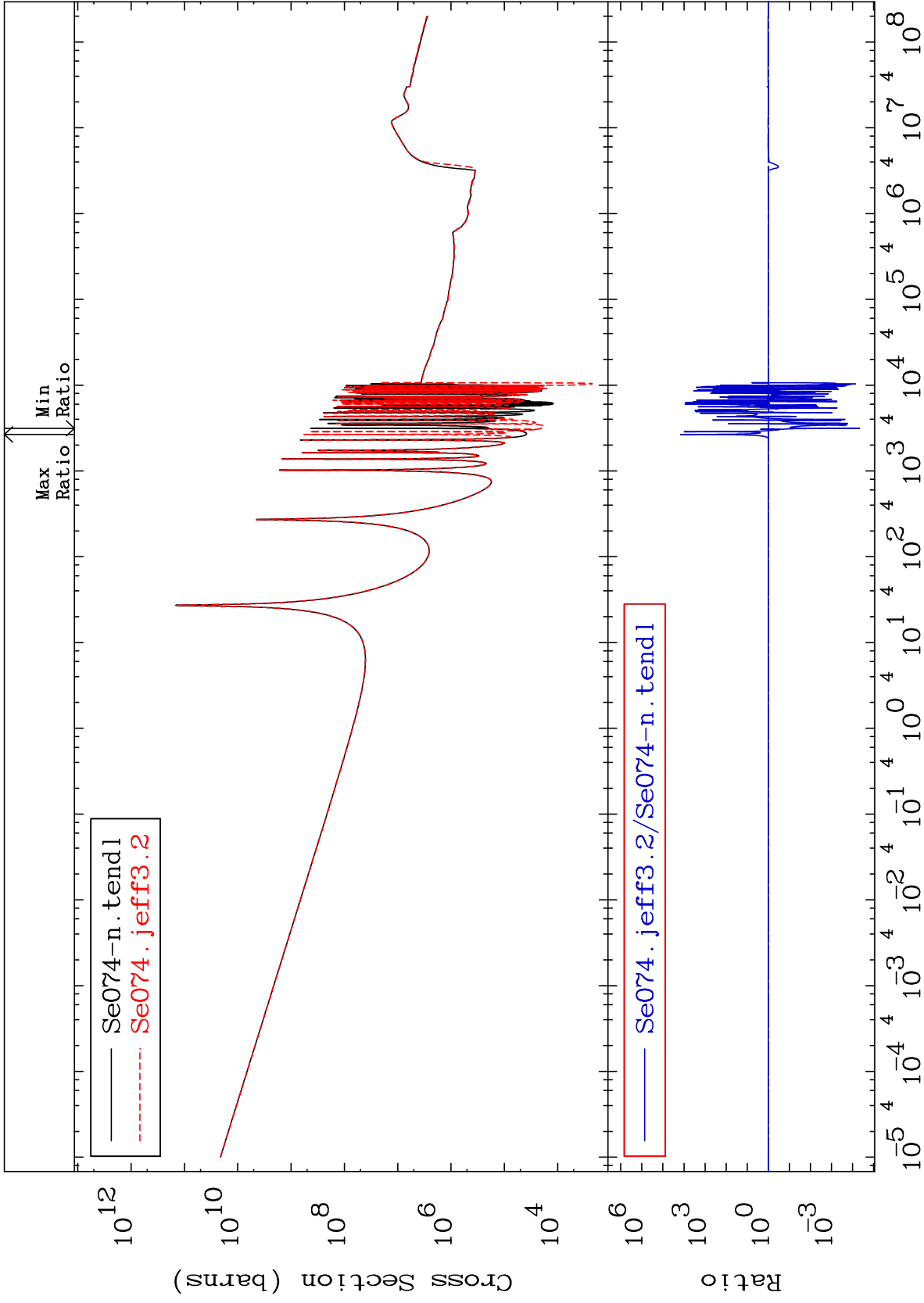
³⁴Se-74
-100.0 To 9999. %

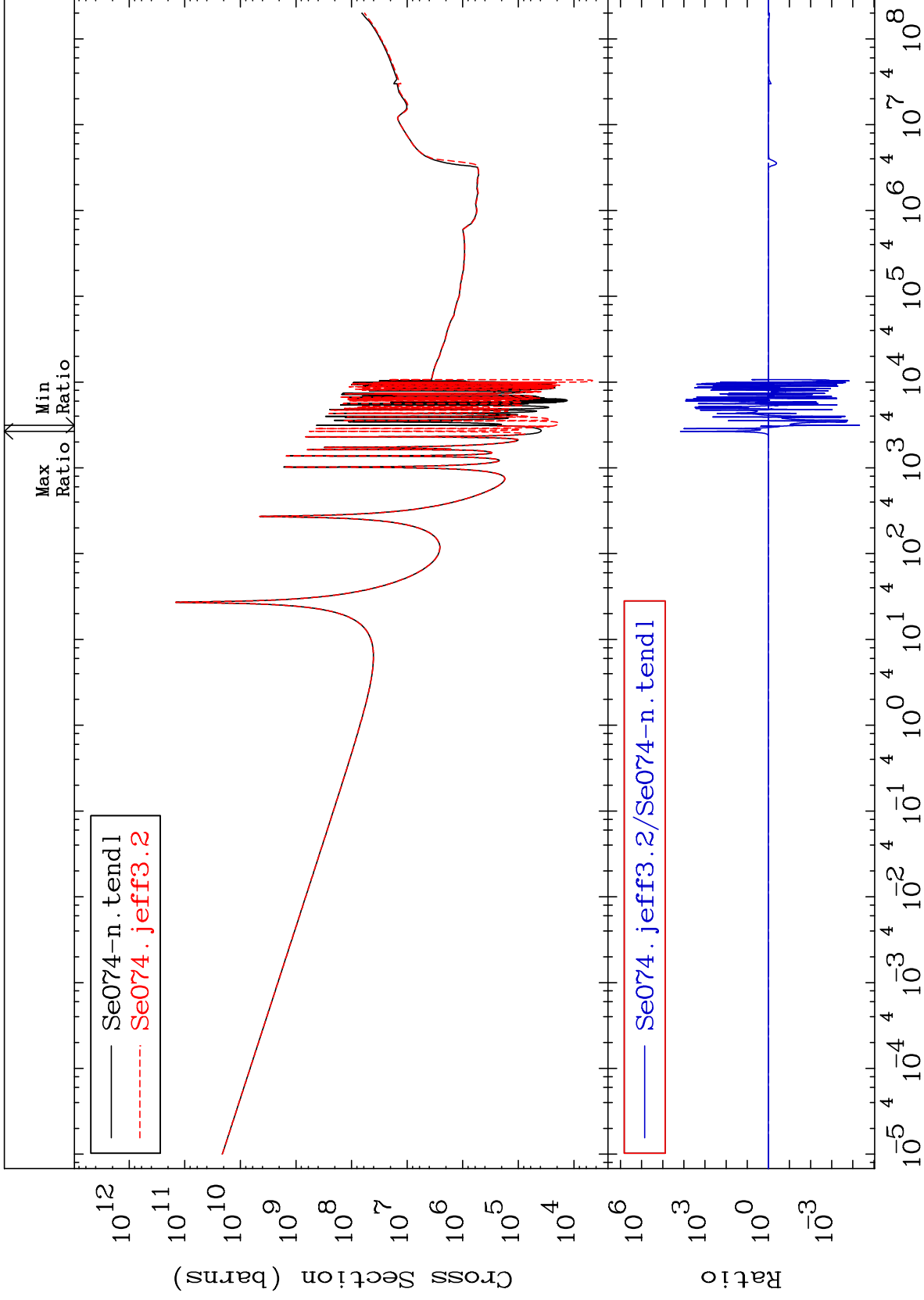


71

Incident Energy (eV)

³⁴Se-74

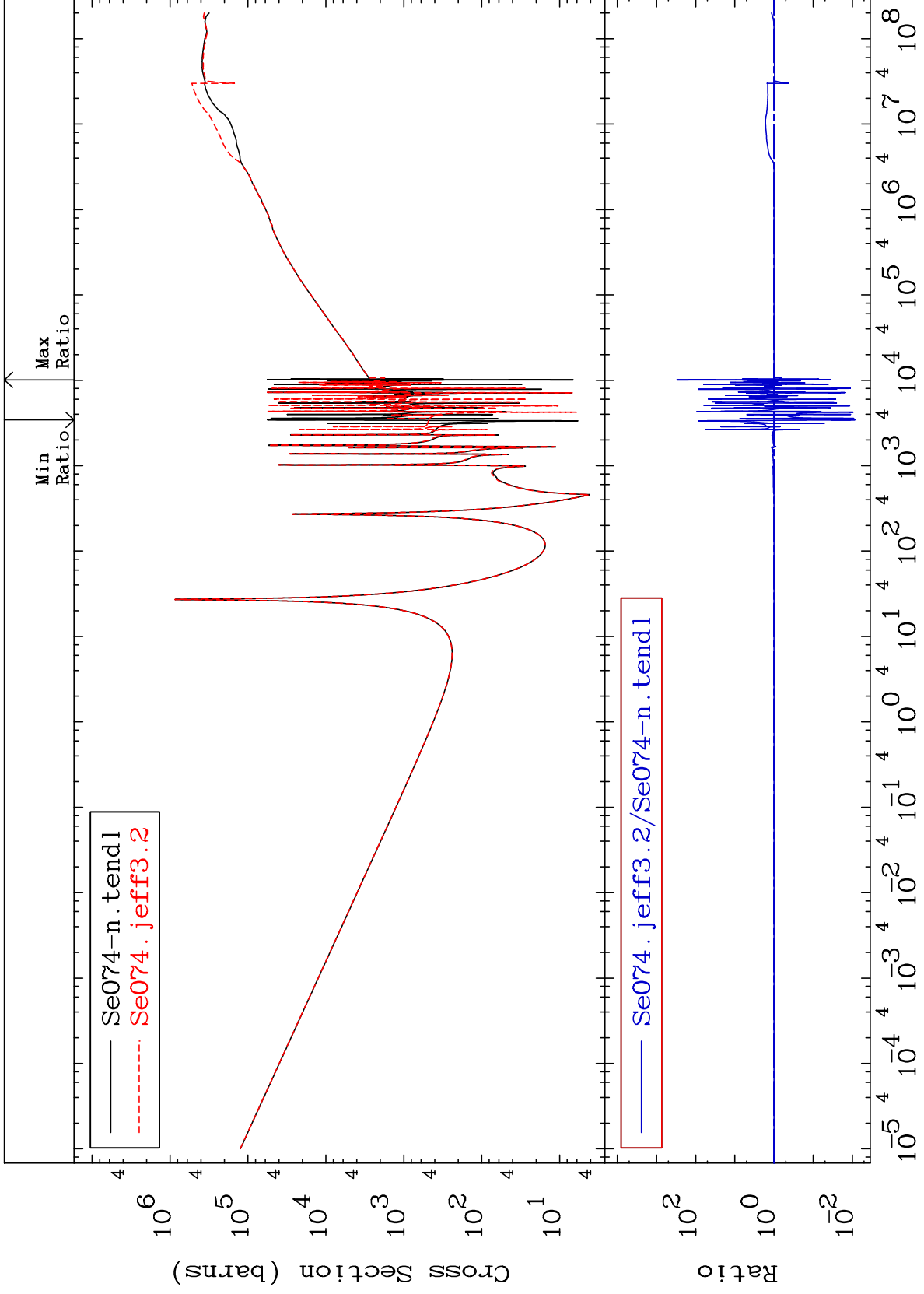




MAT 3425

Dpa total (eV-barns)
Cross Section

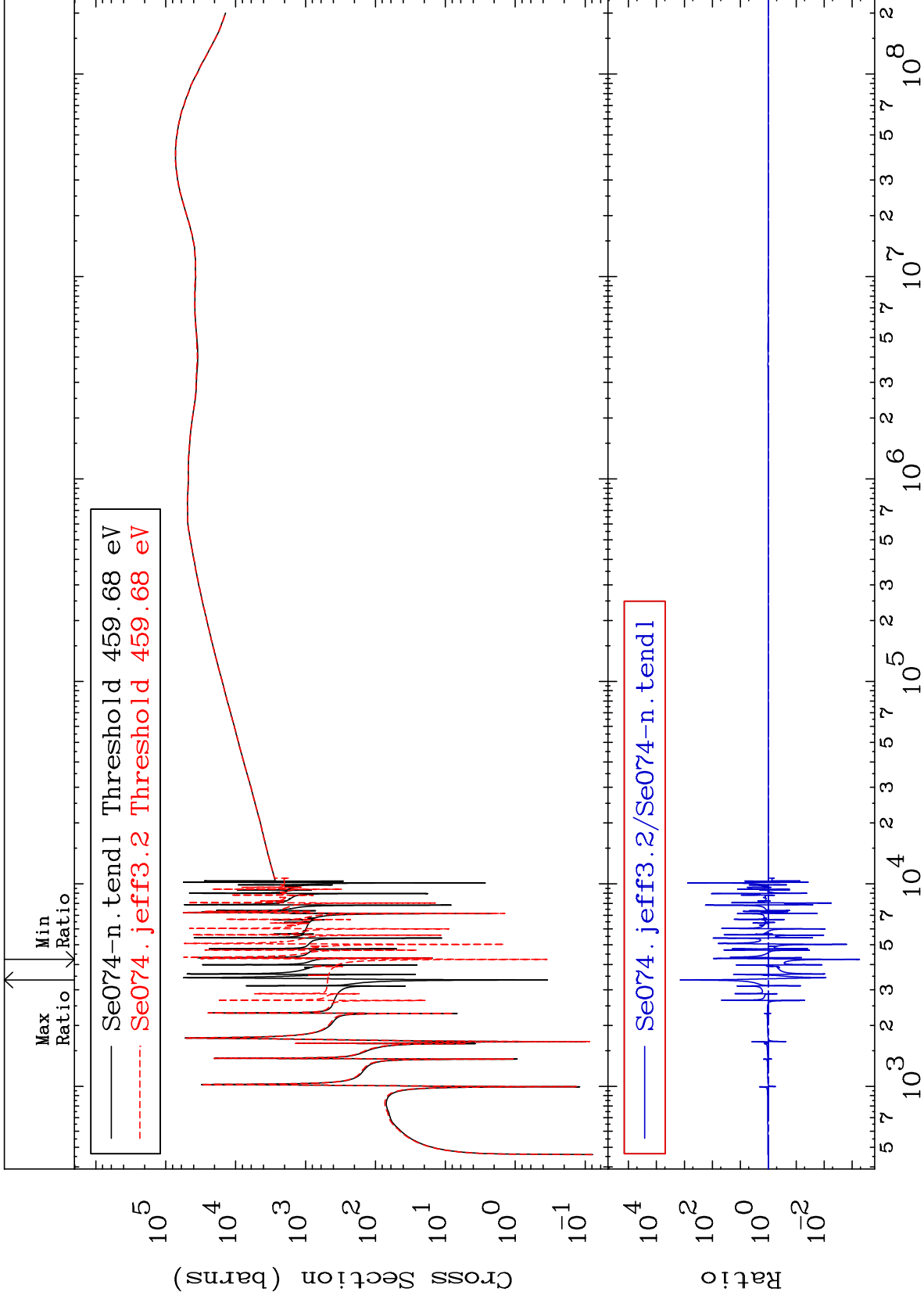
34-Se-74
-99.15 To 9999. %

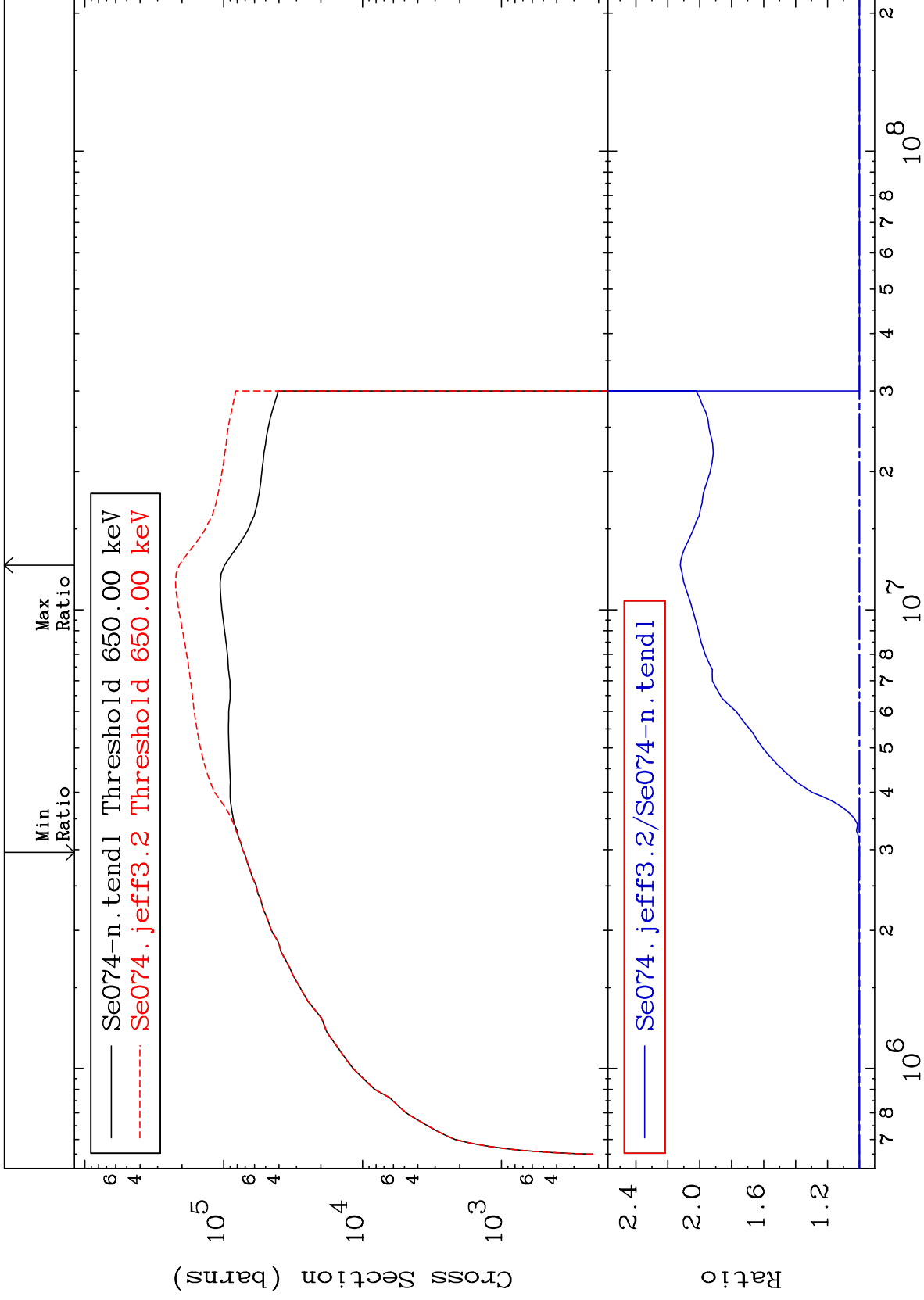


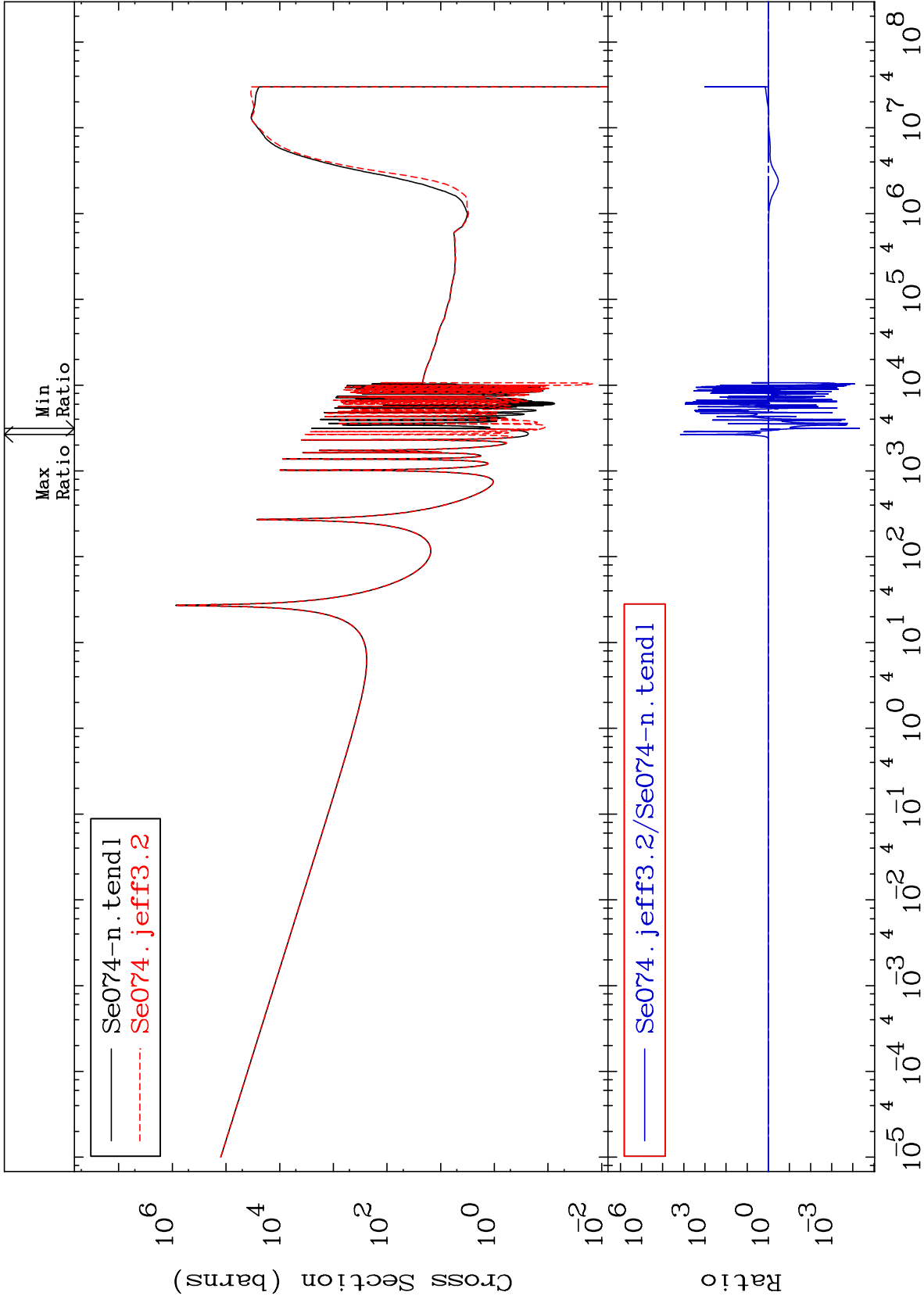
74

Incident Energy (eV)

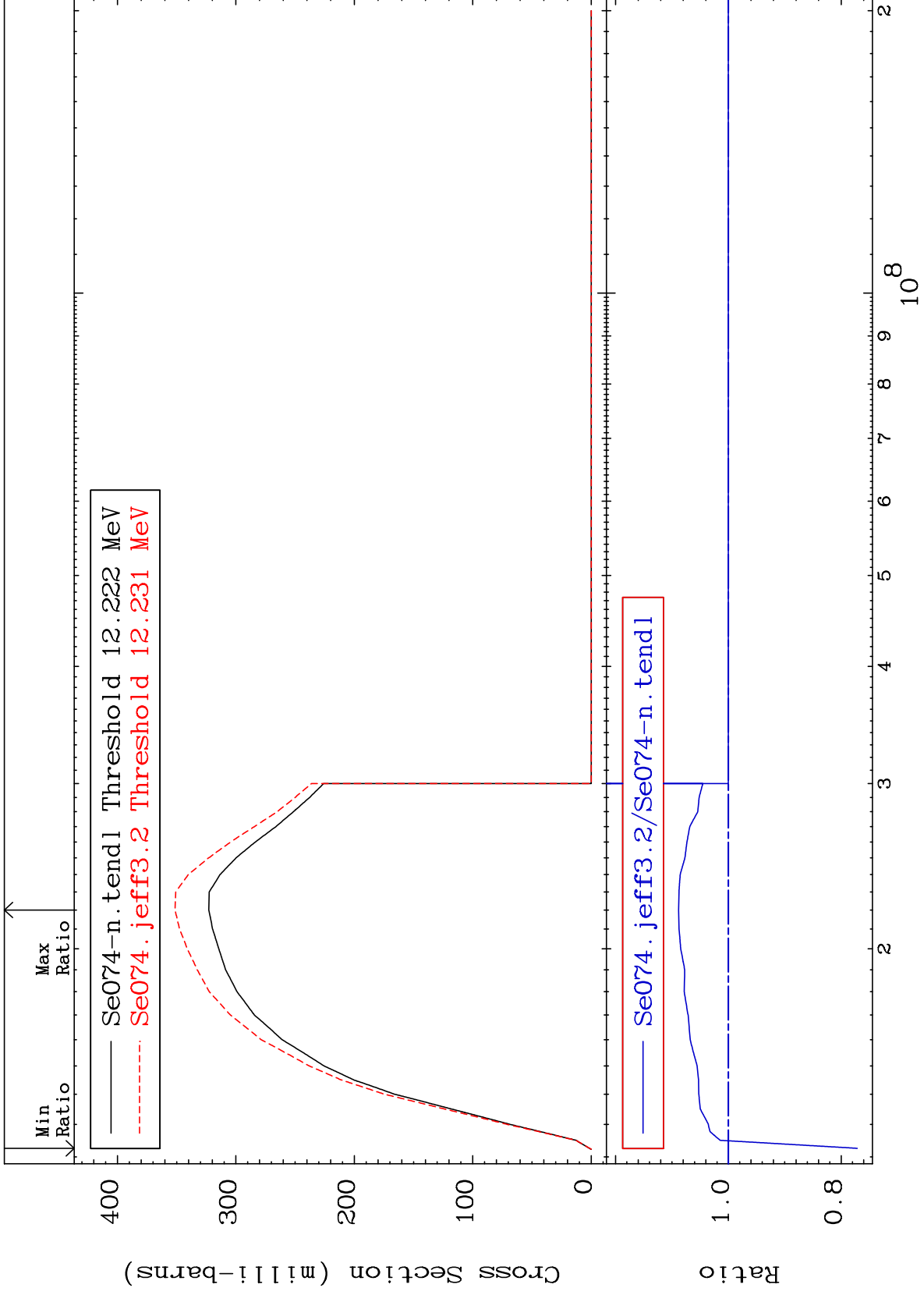
34-Se-74







Radionuclide Production Cross Section -22.86 To 8.821 %

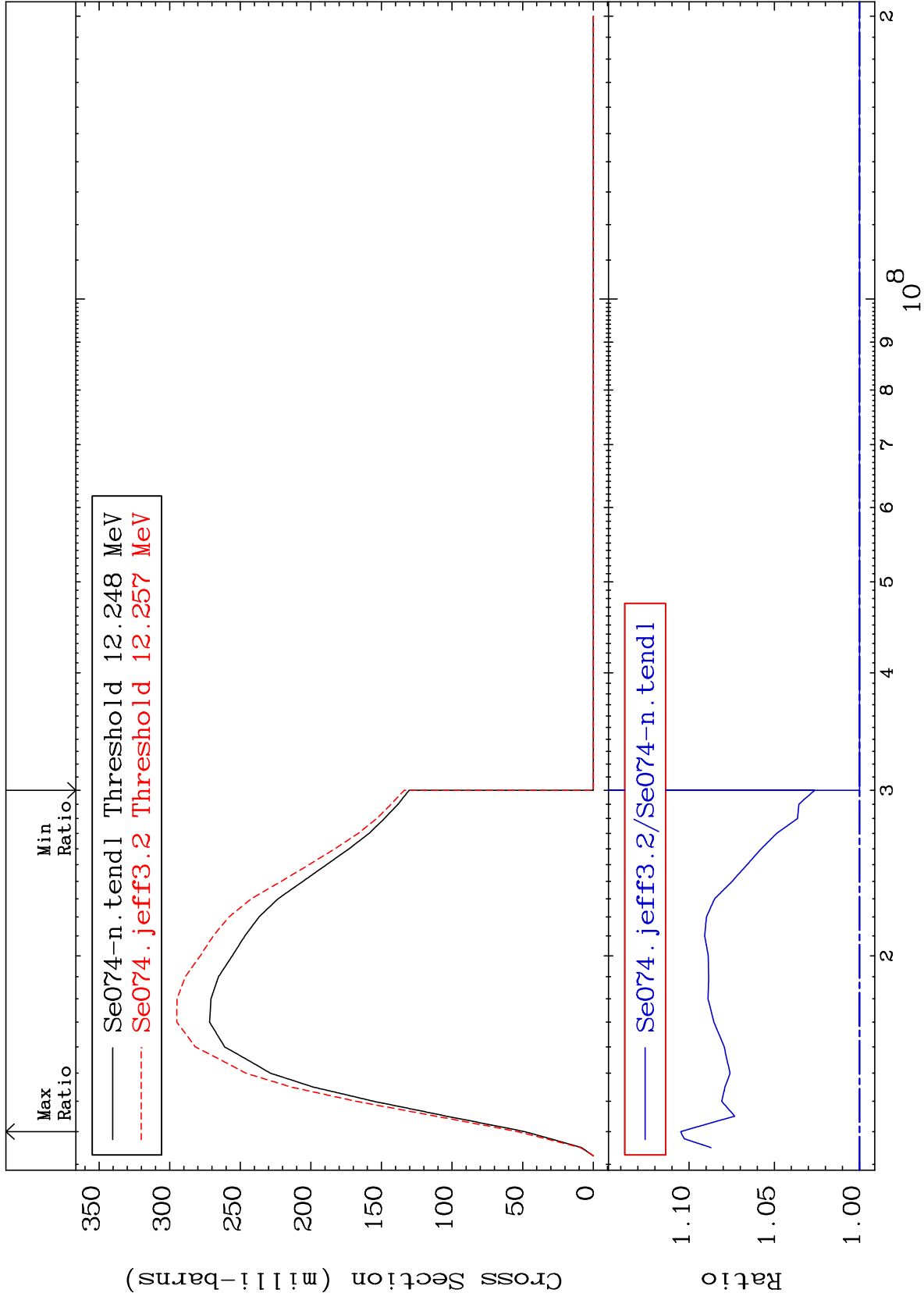


MAT 3425

(n,2n):34-Se-73m1

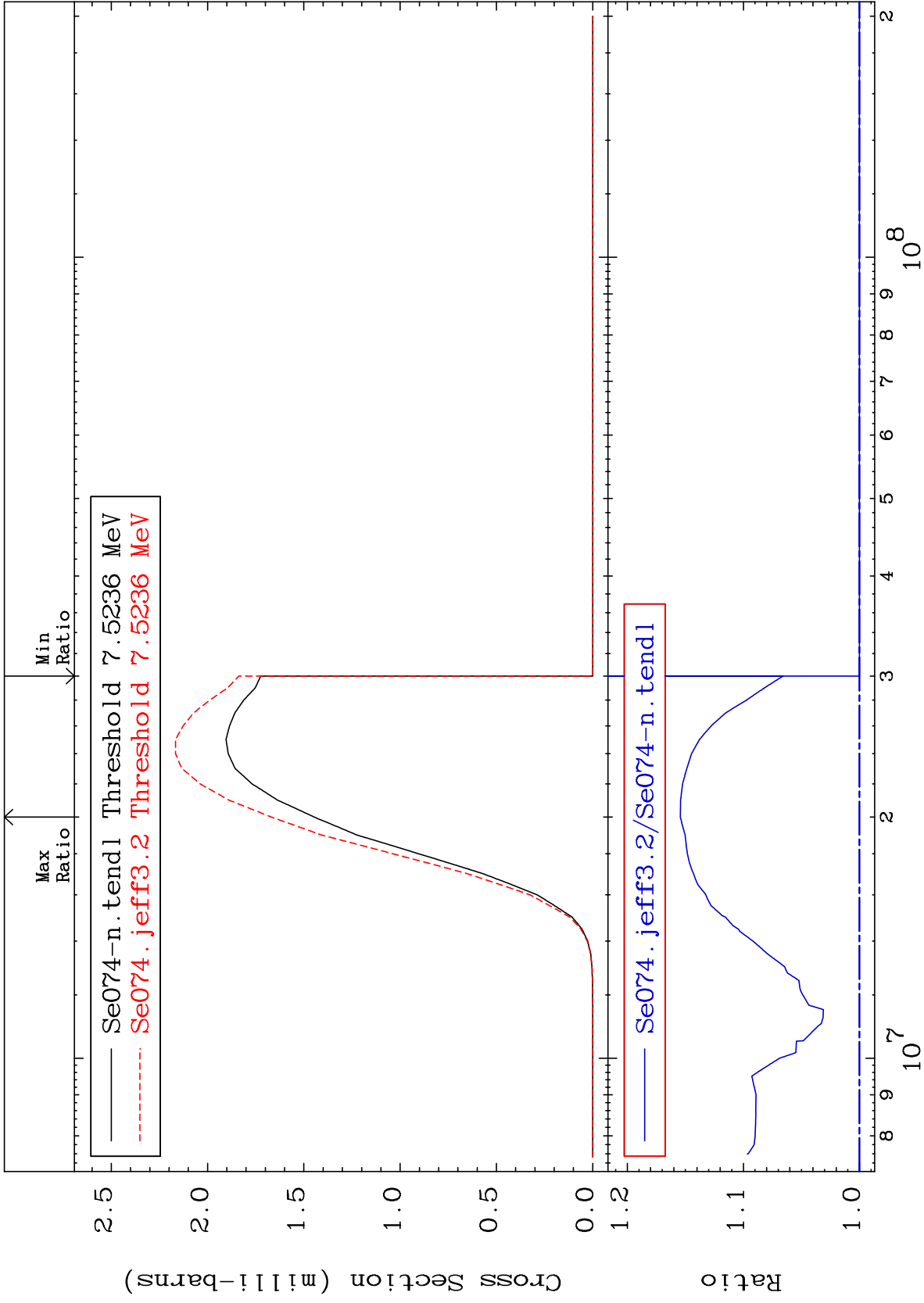
34-Se-74

Radionuclide Production Cross Section 0.000 To 10.49 %



MAT 3425

(n,2p) : 32-Ge-73g 34-Se-74
Radionuclide Production Cross Section 0.000 To 15.43 %



80

Incident Energy (eV)

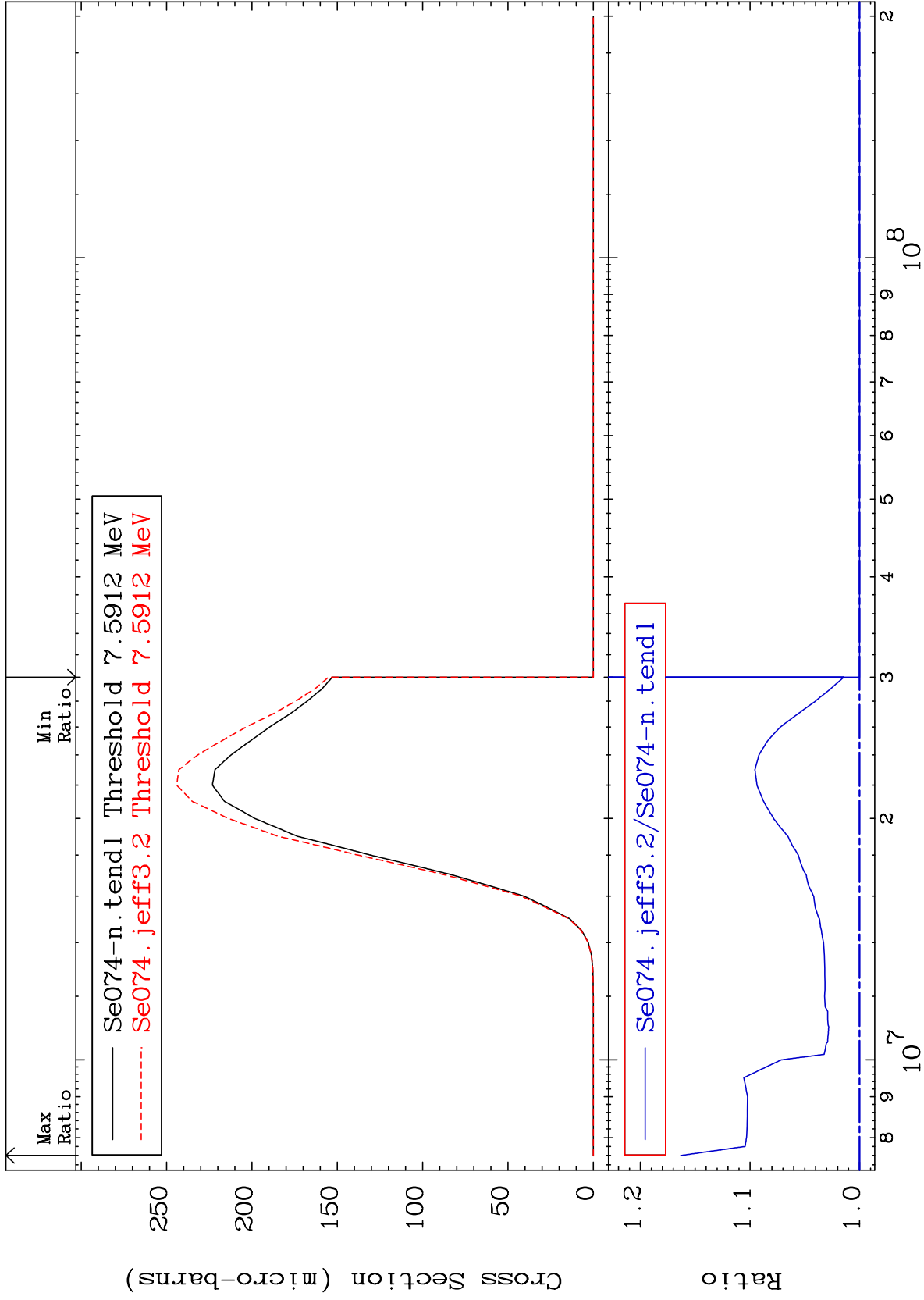
34-Se-74

MAT 3425

(n,2p):32-Ge-73m2

34-Se-74

Radionuclide Production Cross Section 0.000 To 16.31 %



81

Incident Energy (eV)

34-Se-74