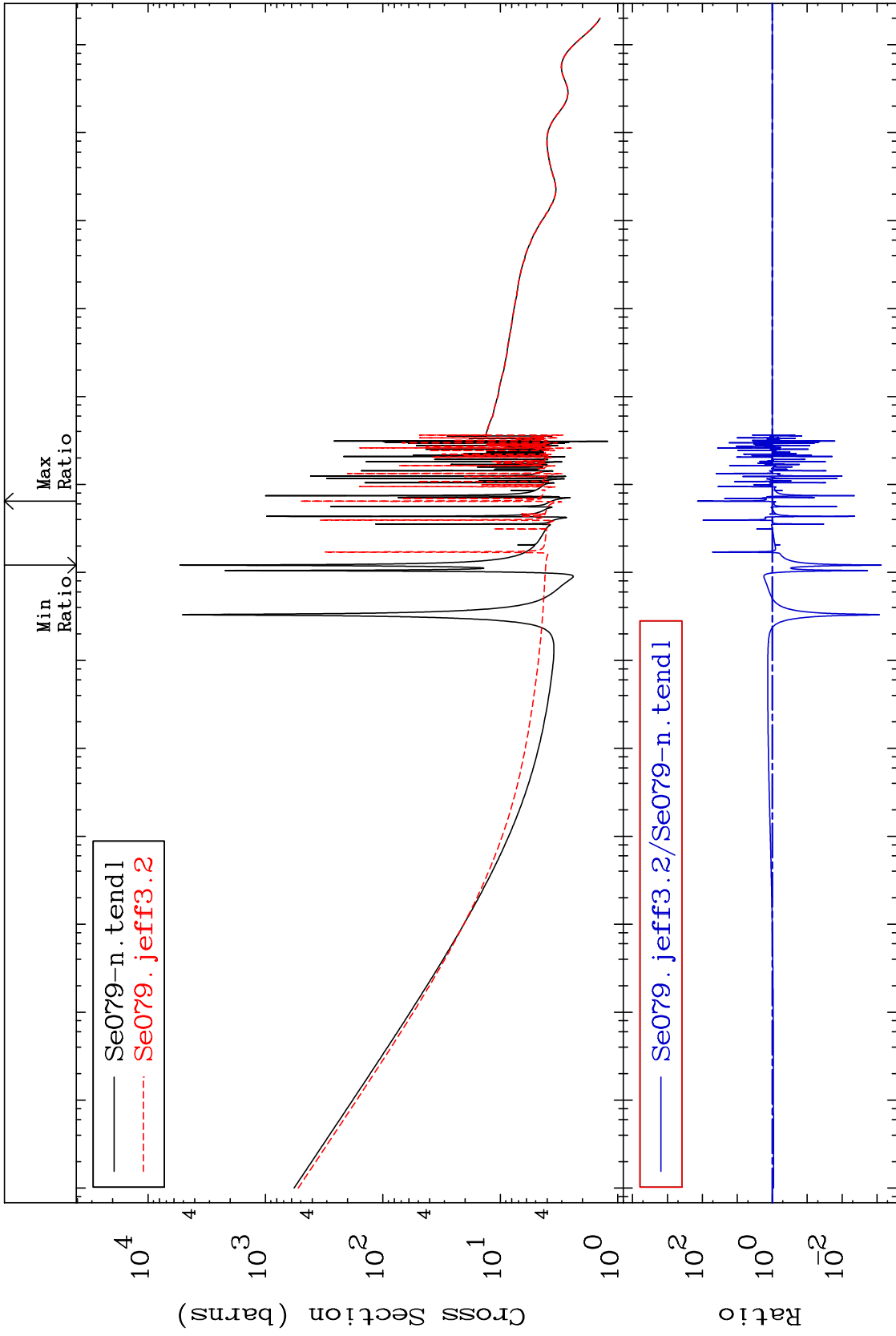


MAT 3440

Total Cross Section

34-Se-79
-99.92 To 9999. %



Incident Energy (eV)

34-Se-79

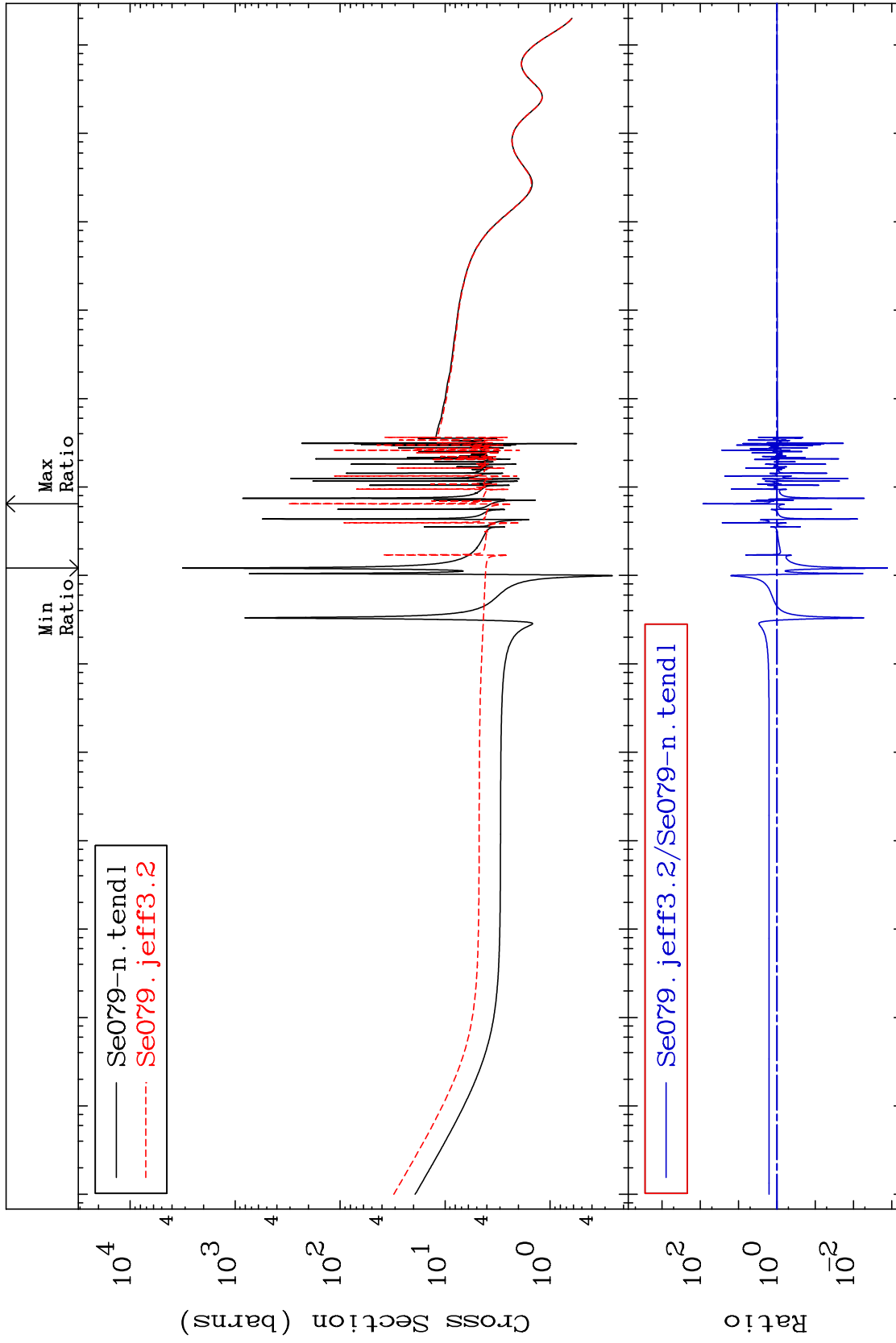
MAT 3440

Elastic

³⁴Se-79

Cross Section

-99.87 To 8488. %



Incident Energy (eV)

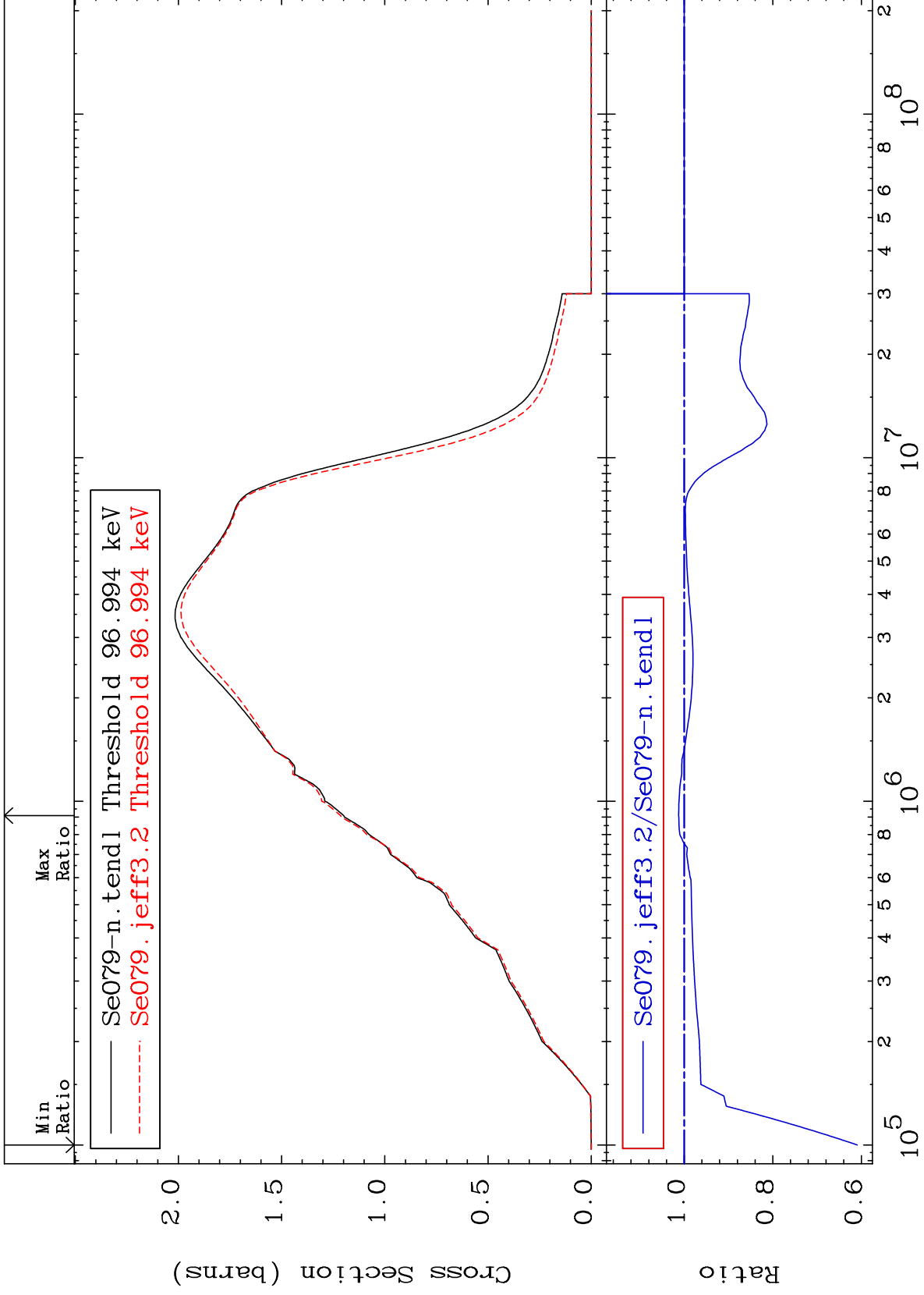
³⁴Se-79

2

MAT 3440

Inelastic
Cross Section

³⁴Se-79
-39.06 To 1.259 %



Incident Energy (eV)

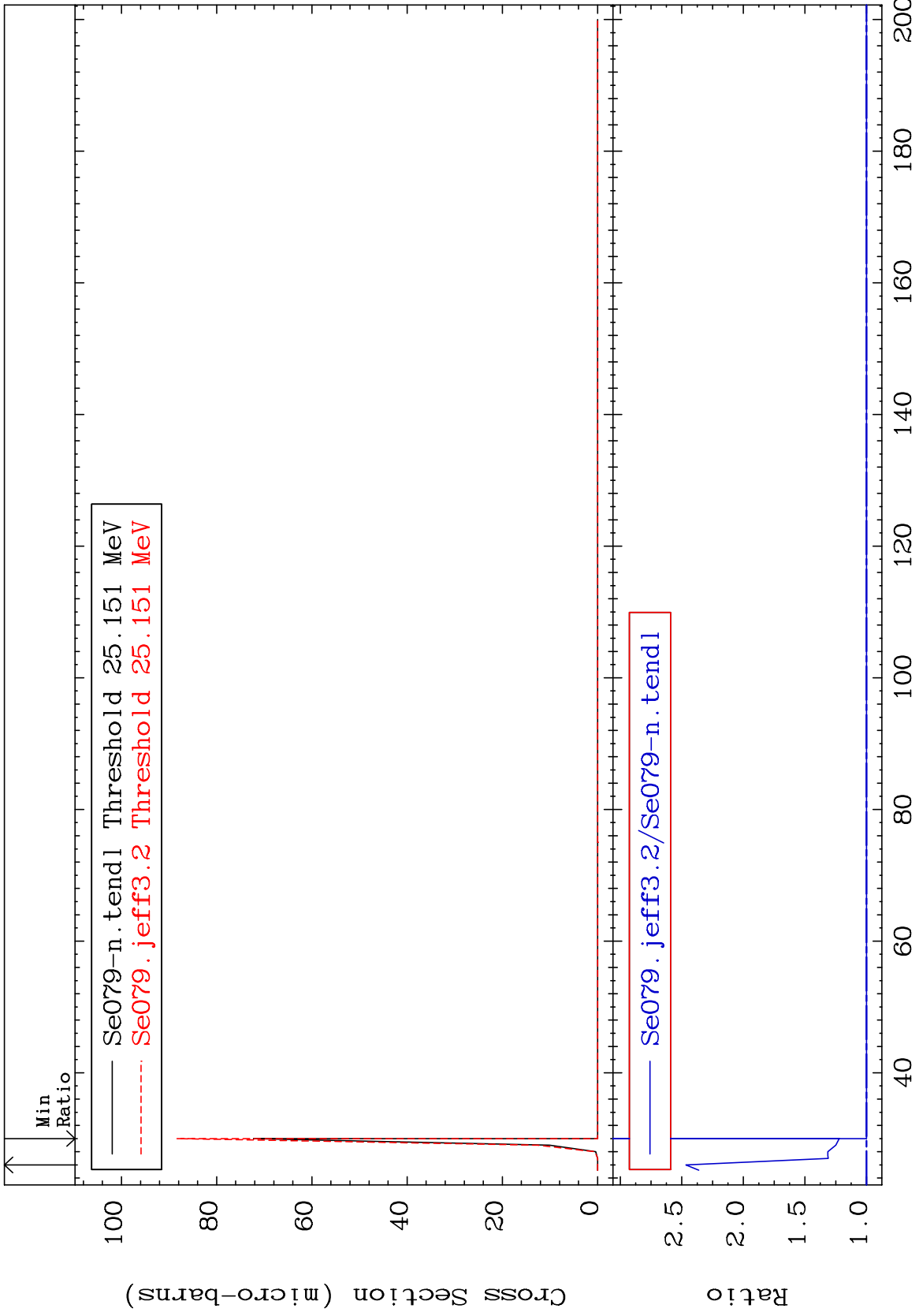
³⁴Se-79

3

MAT 3440

(n,2n) d
Cross Section

³⁴Se-79
0.000 To 146.6 %



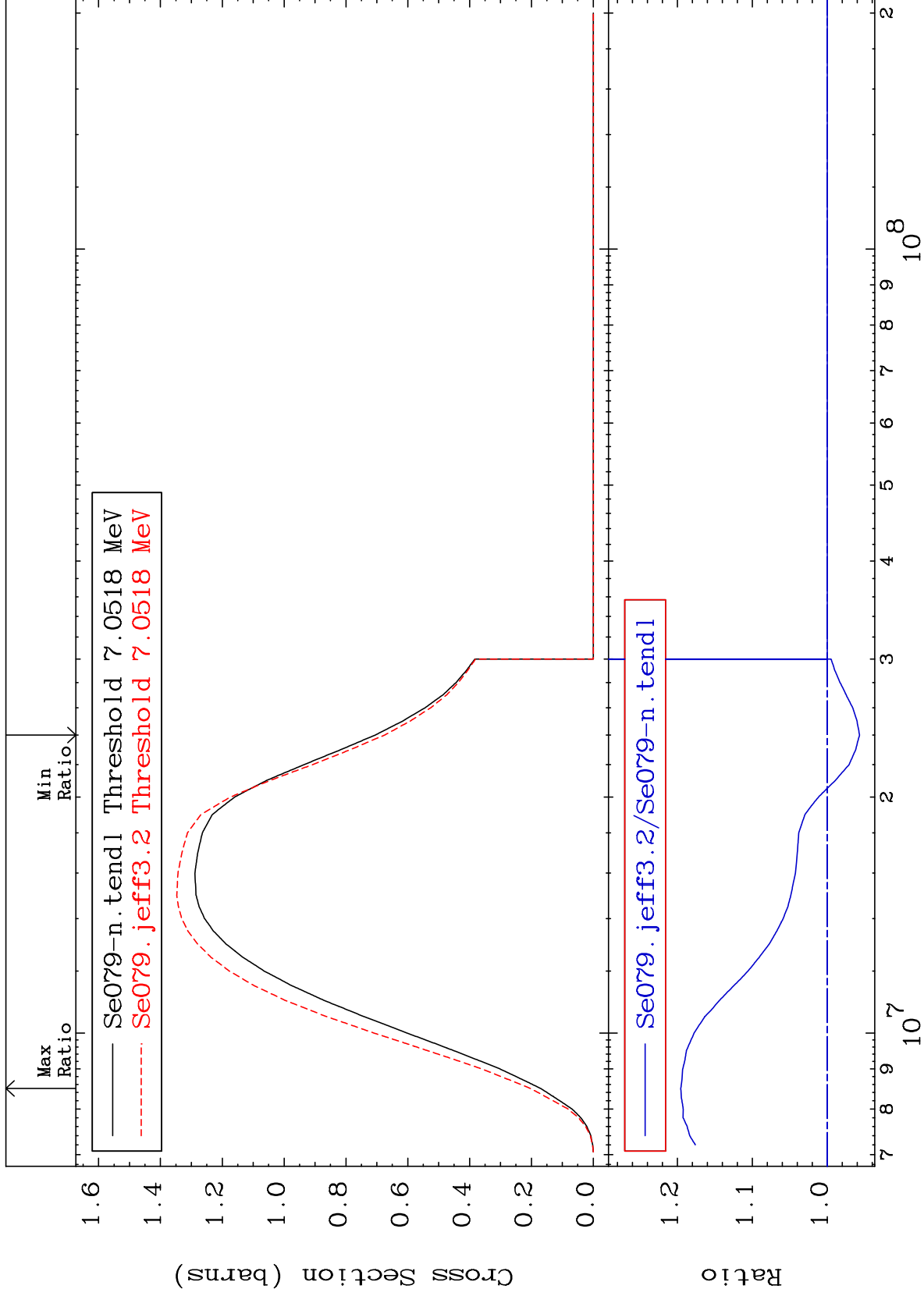
MAT 3440

(n,2n)

³⁴Se-79

Cross Section

-4.308 To 19.55 %



5

Incident Energy (eV)

³⁴Se-79

MAT 3440

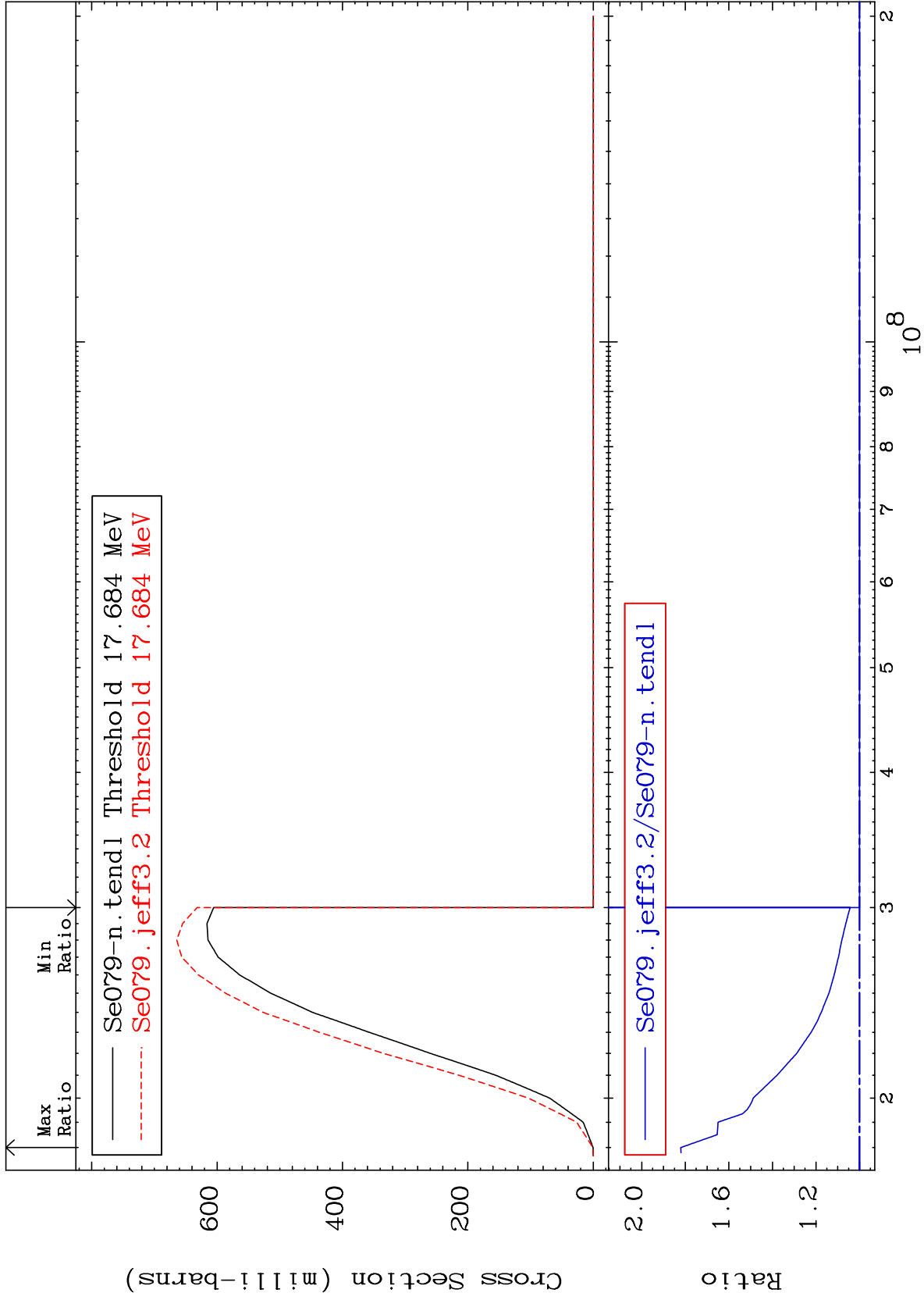
(n,3n)

³⁴Se-79

Cross Section

0.000

To 82.08 %



6

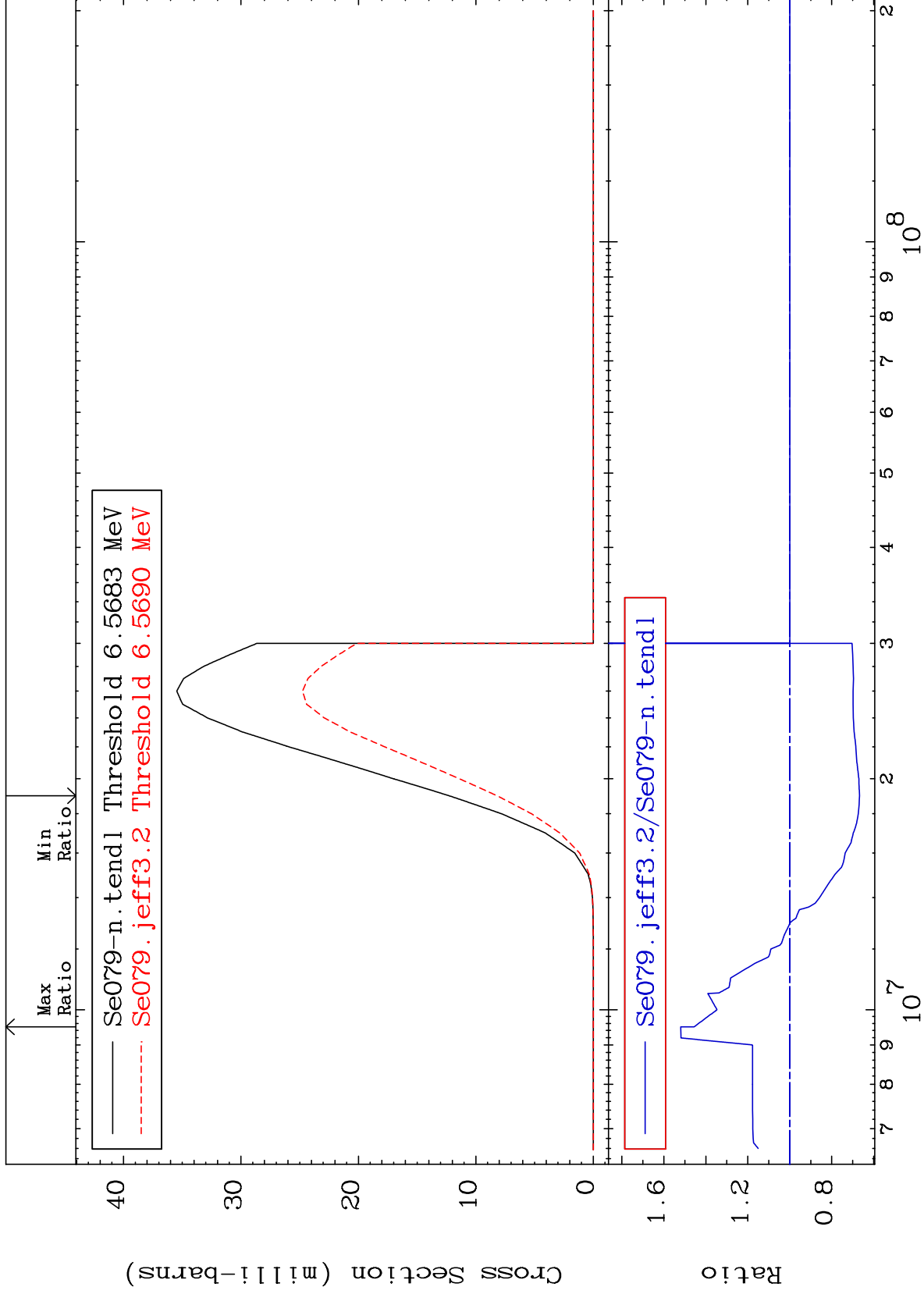
Incident Energy (eV)

³⁴Se-79

MAT 3440

(n, n') α
Cross Section

³⁴Se-79
-33.26 To 51.94 %



7

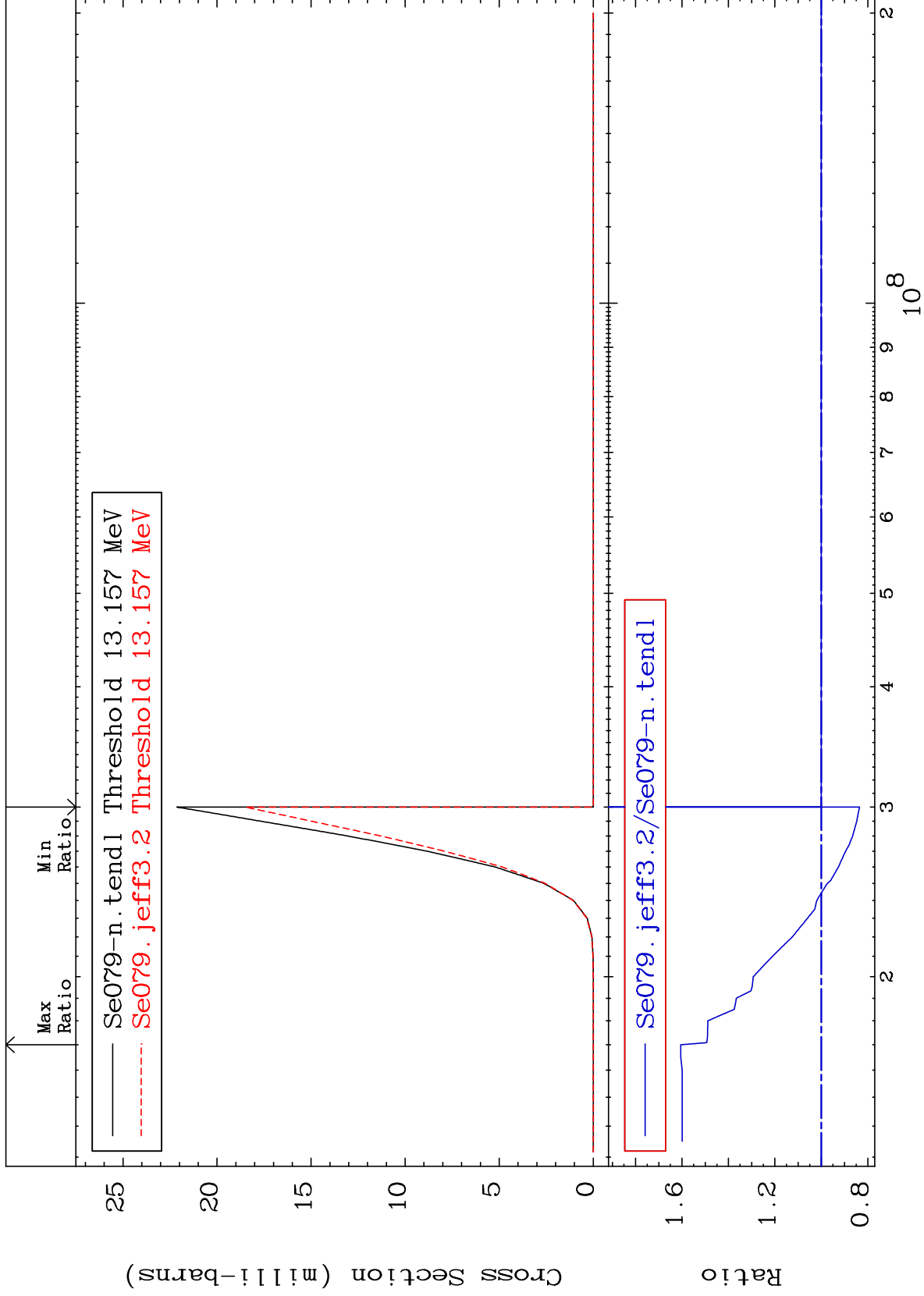
Incident Energy (eV)

³⁴Se-79

MAT 3440

(n,2n) α
Cross Section

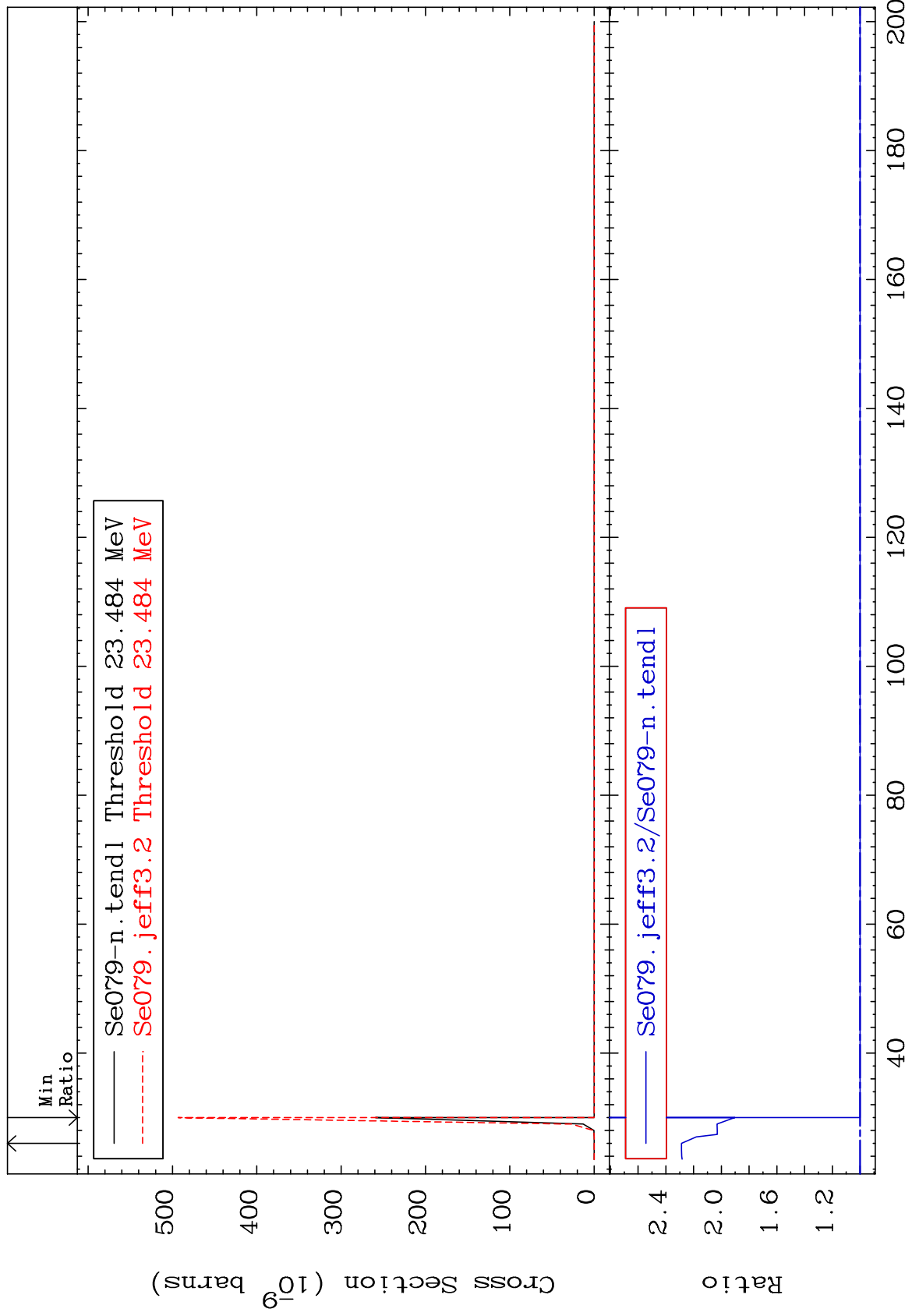
³⁴Se-79
-16.45 To 60.53 %



MAT 3440

(n,3n) α
Cross Section

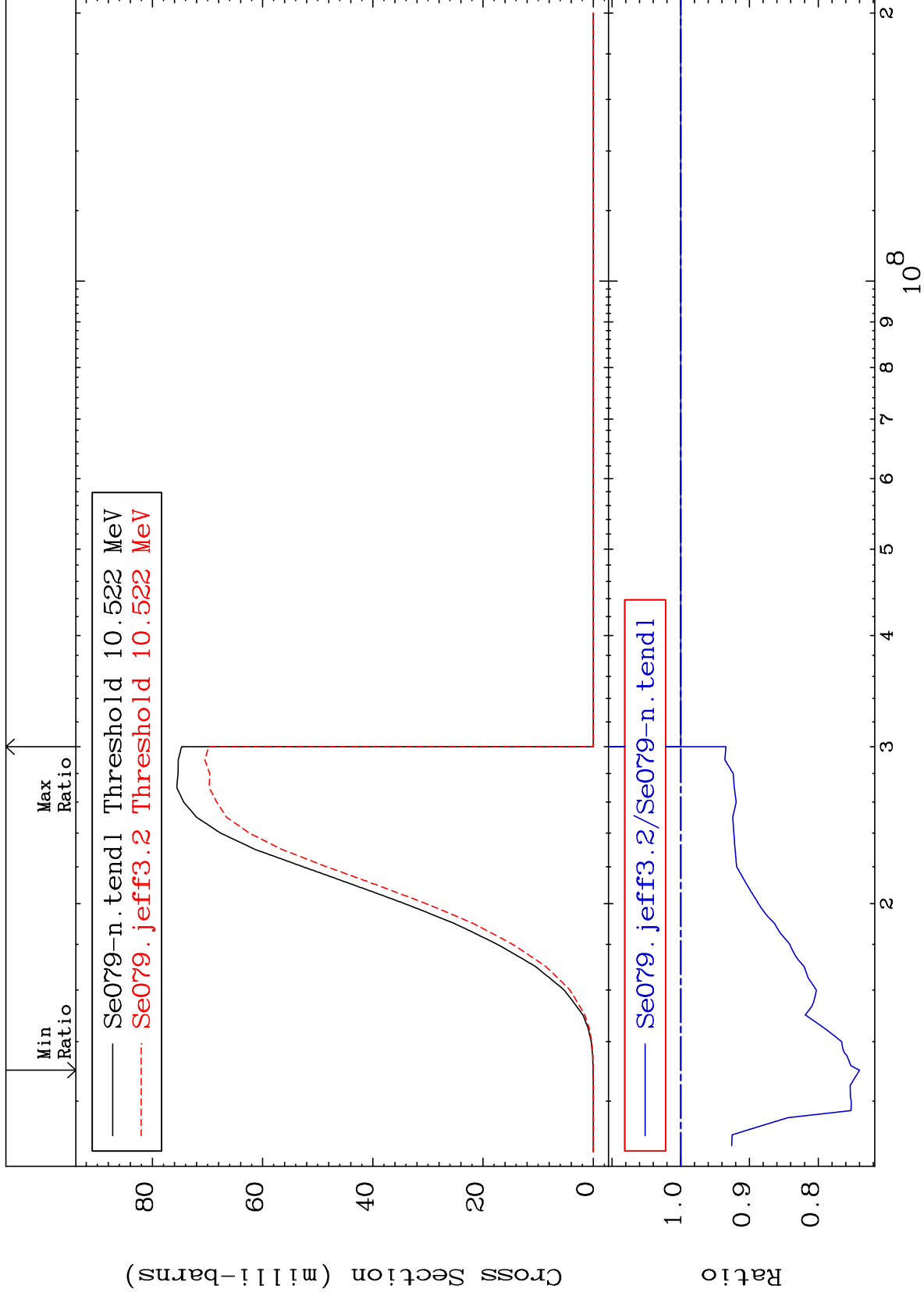
$^{34}\text{Se-79}$
0.000 To 128.7 %



MAT 3440

(n, n') p
Cross Section

³⁴Se-79
-26.01 To 0.000 %



10

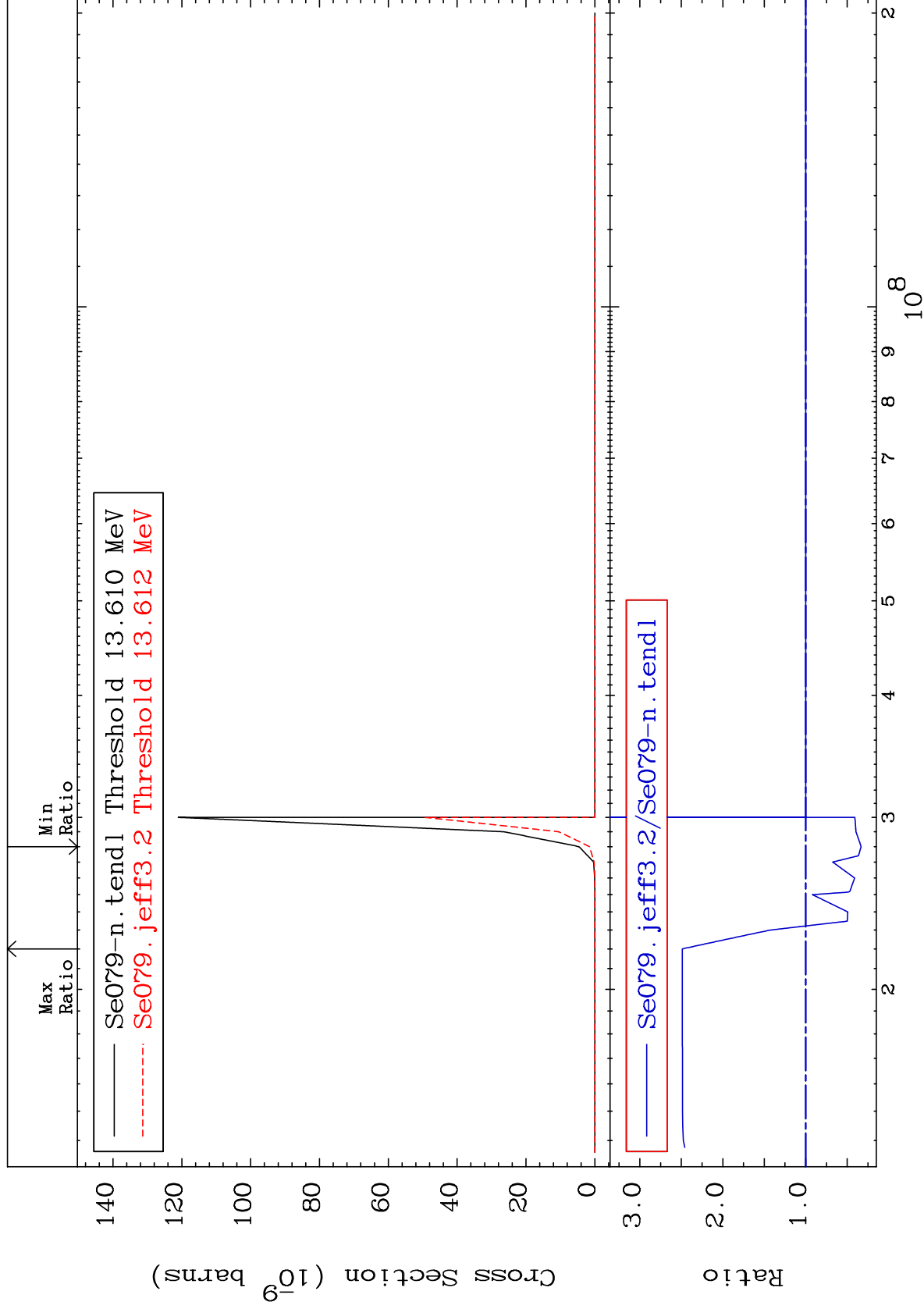
Incident Energy (eV)

³⁴Se-79

MAT 3440

(n, n') 2α
Cross Section

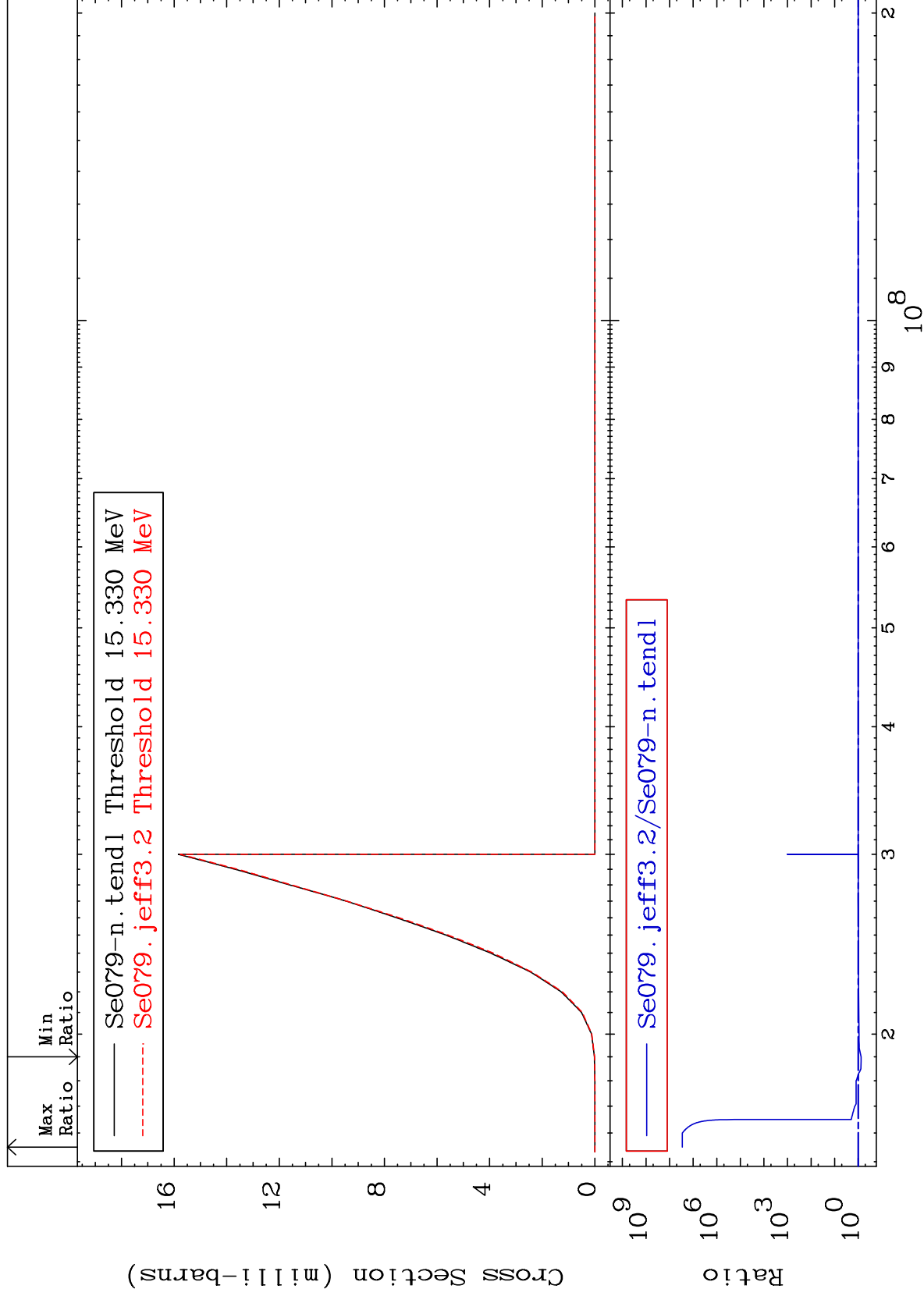
³⁴Se-79
-66.74 To 148.8 %



MAT 3440

(n,n') d
Cross Section

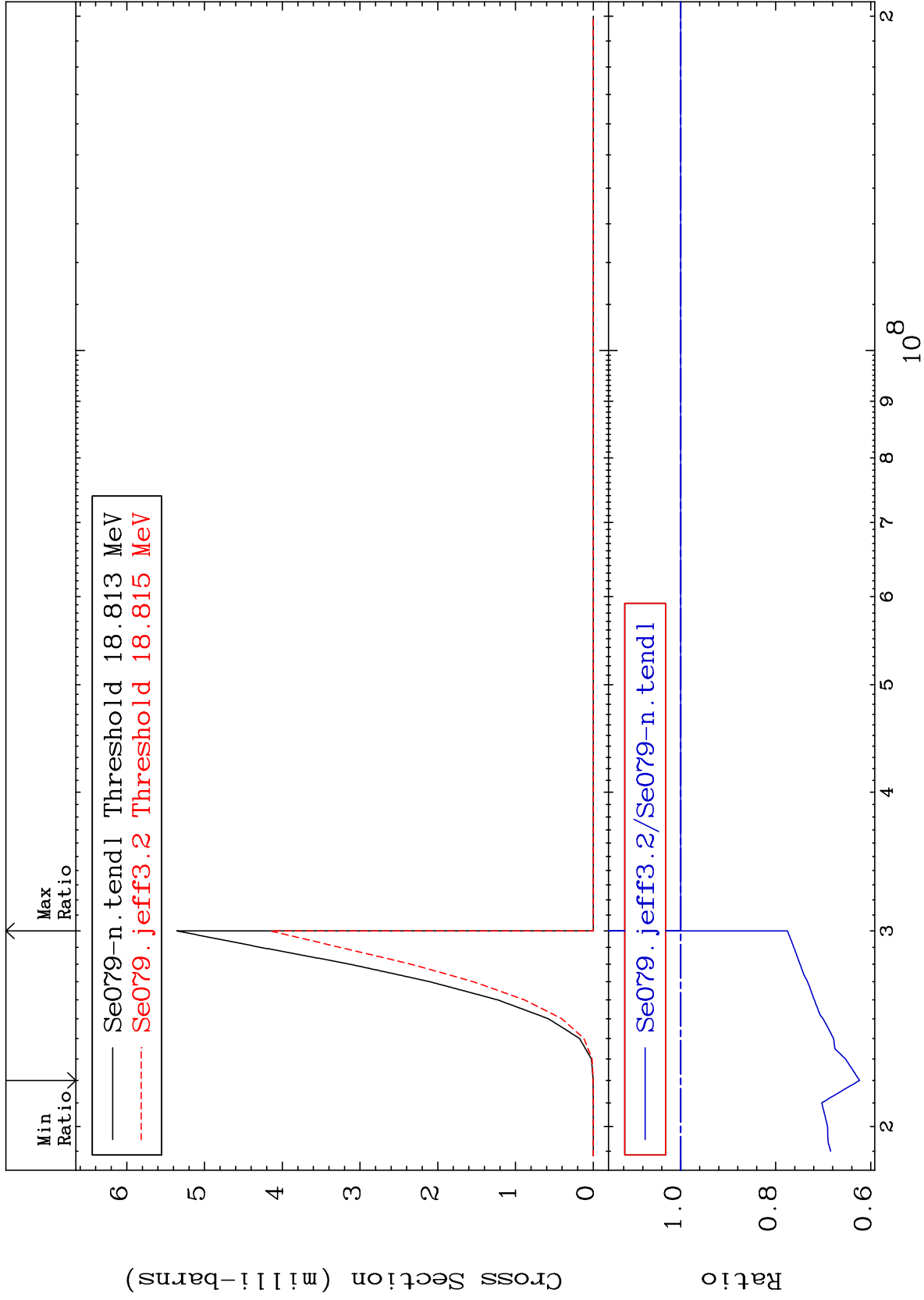
³⁴Se-79
-24.55 To 9999. %



MAT 3440

(n,n') t
Cross Section

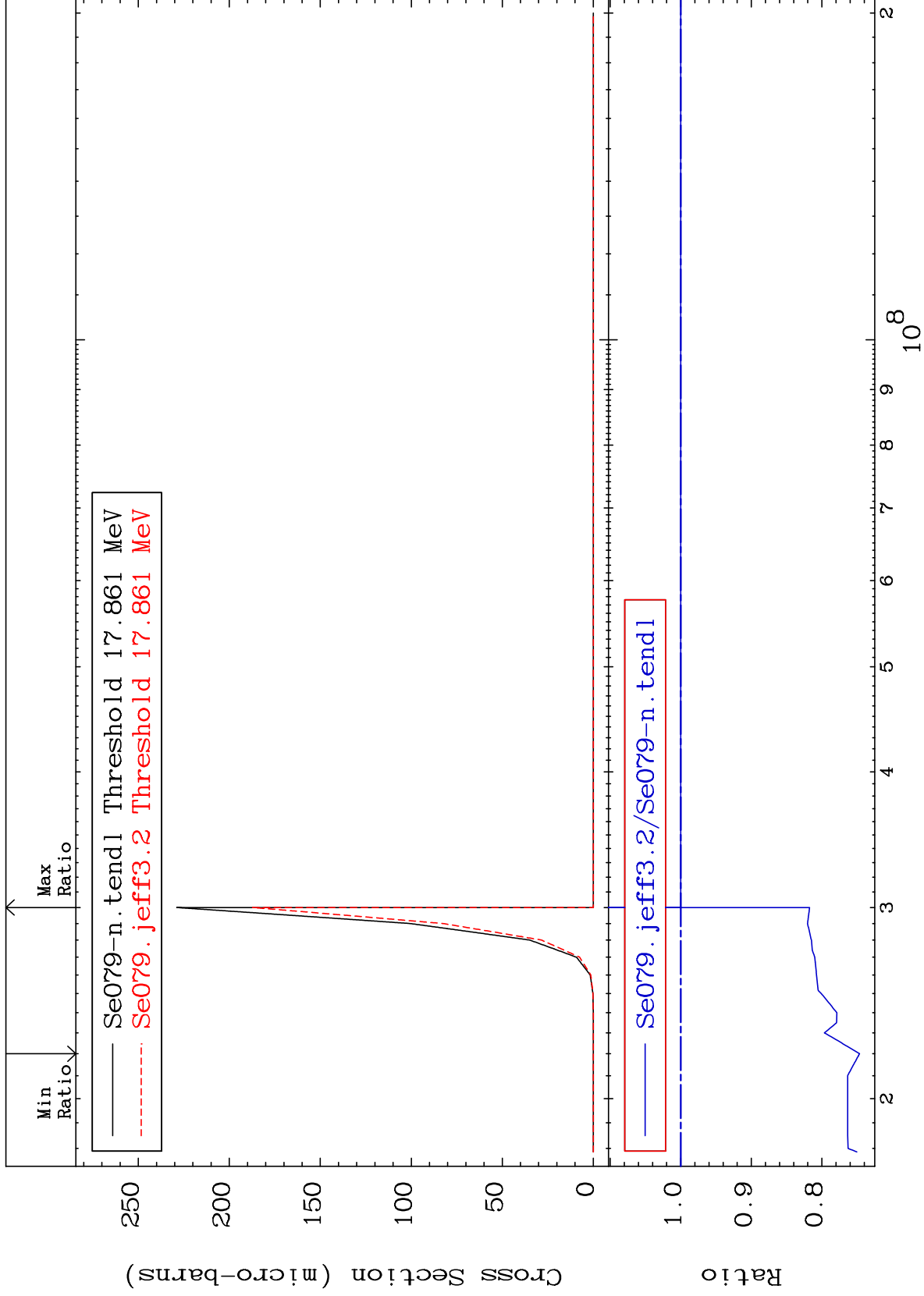
³⁴Se-79
-37.64 To 0.000 %



MAT 3440

(n, n') He-3
Cross Section

³⁴Se-79
-25.33 To 0.000 %



14

Incident Energy (eV)

³⁴Se-79

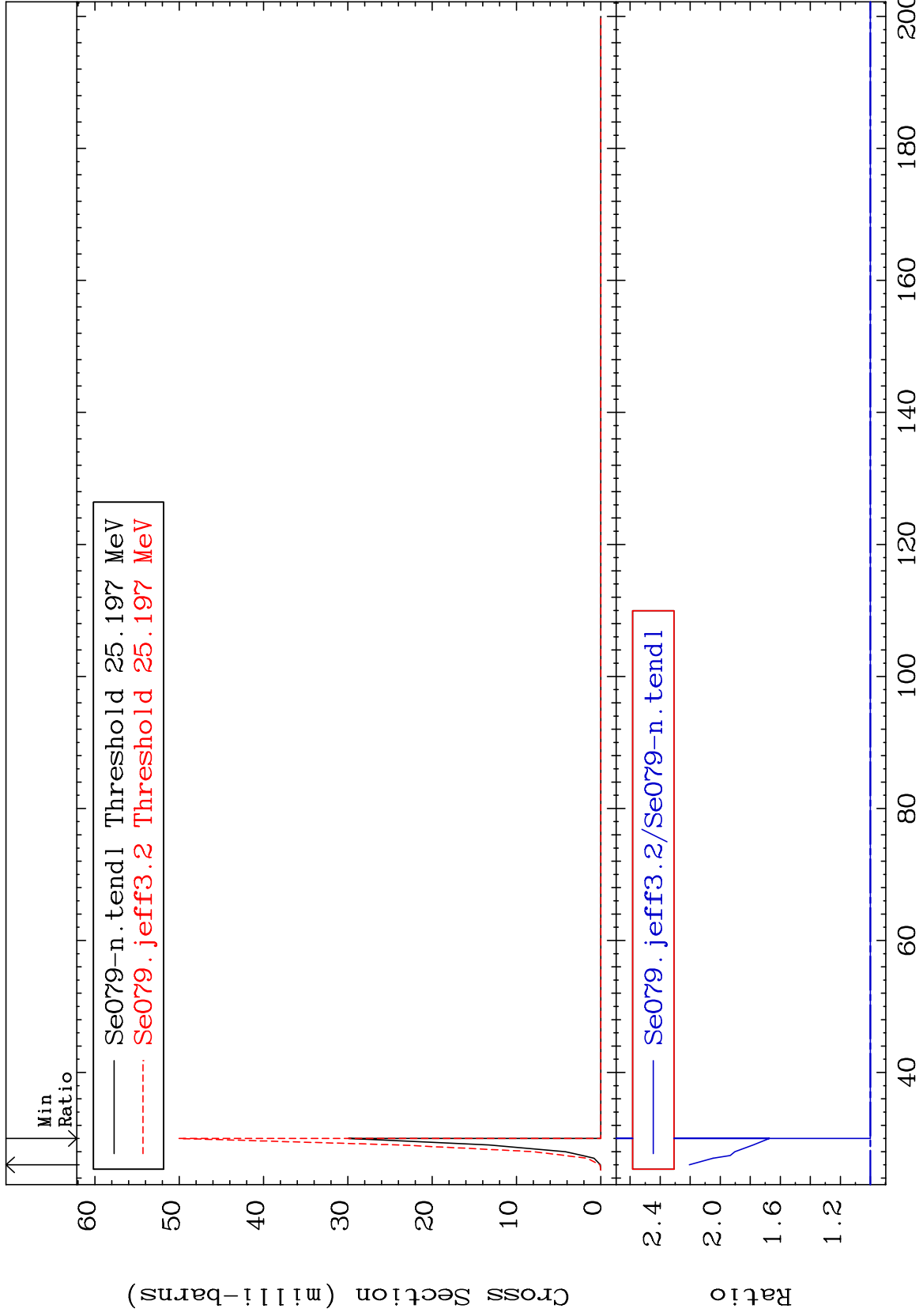
MAT 3440

(n,4n)

³⁴Se-79

Cross Section

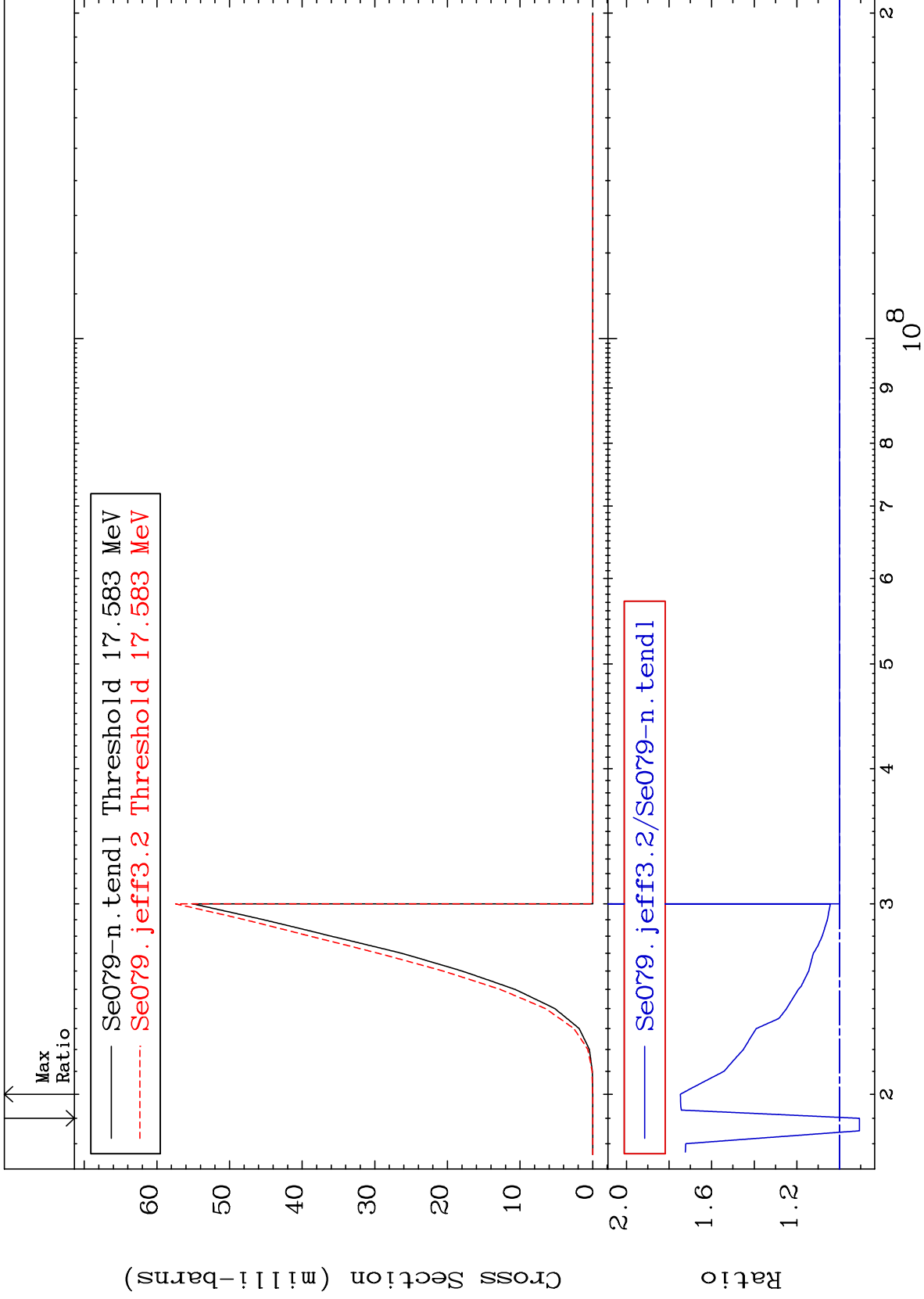
0.000 To 120.6 %



MAT 3440

(n,2n) p
Cross Section

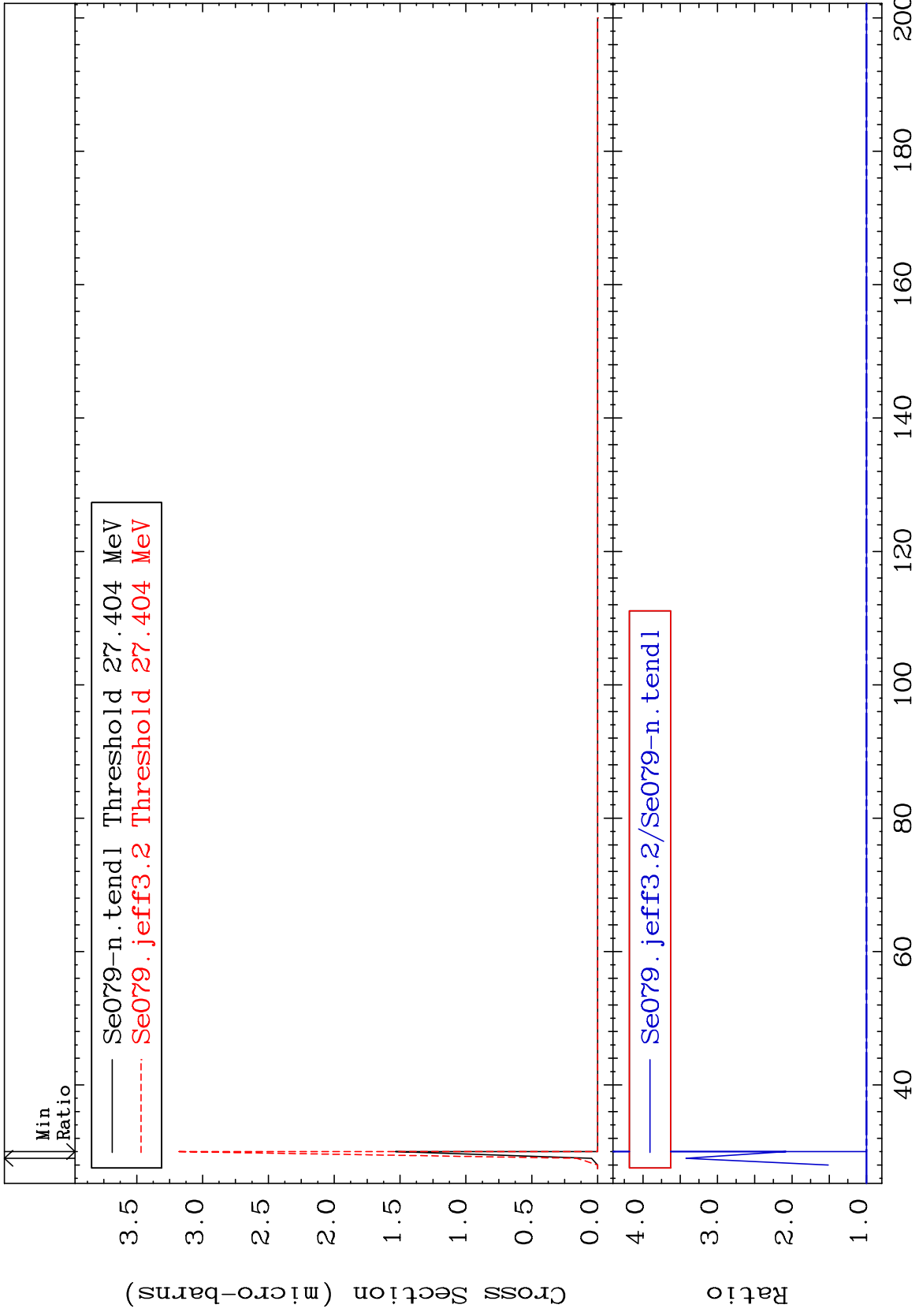
³⁴Se-79
-9.390 To 74.69 %



MAT 3440

(n,3n) p
Cross Section

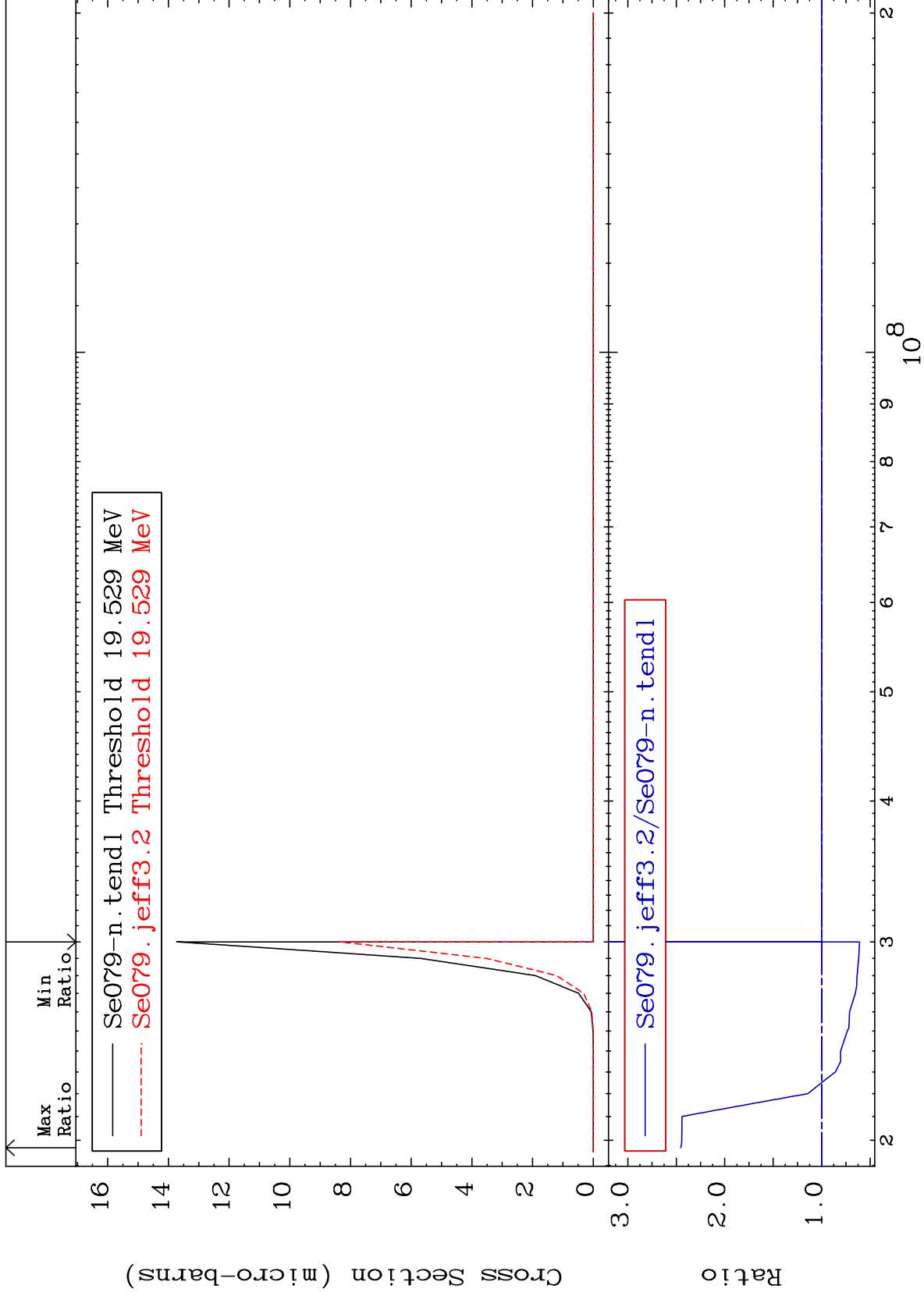
³⁴Se-79
0.000 To 242.3 %



MAT 3440

(n,2n) p
Cross Section

³⁴Se-79
-39.05 To 145.3 %



18

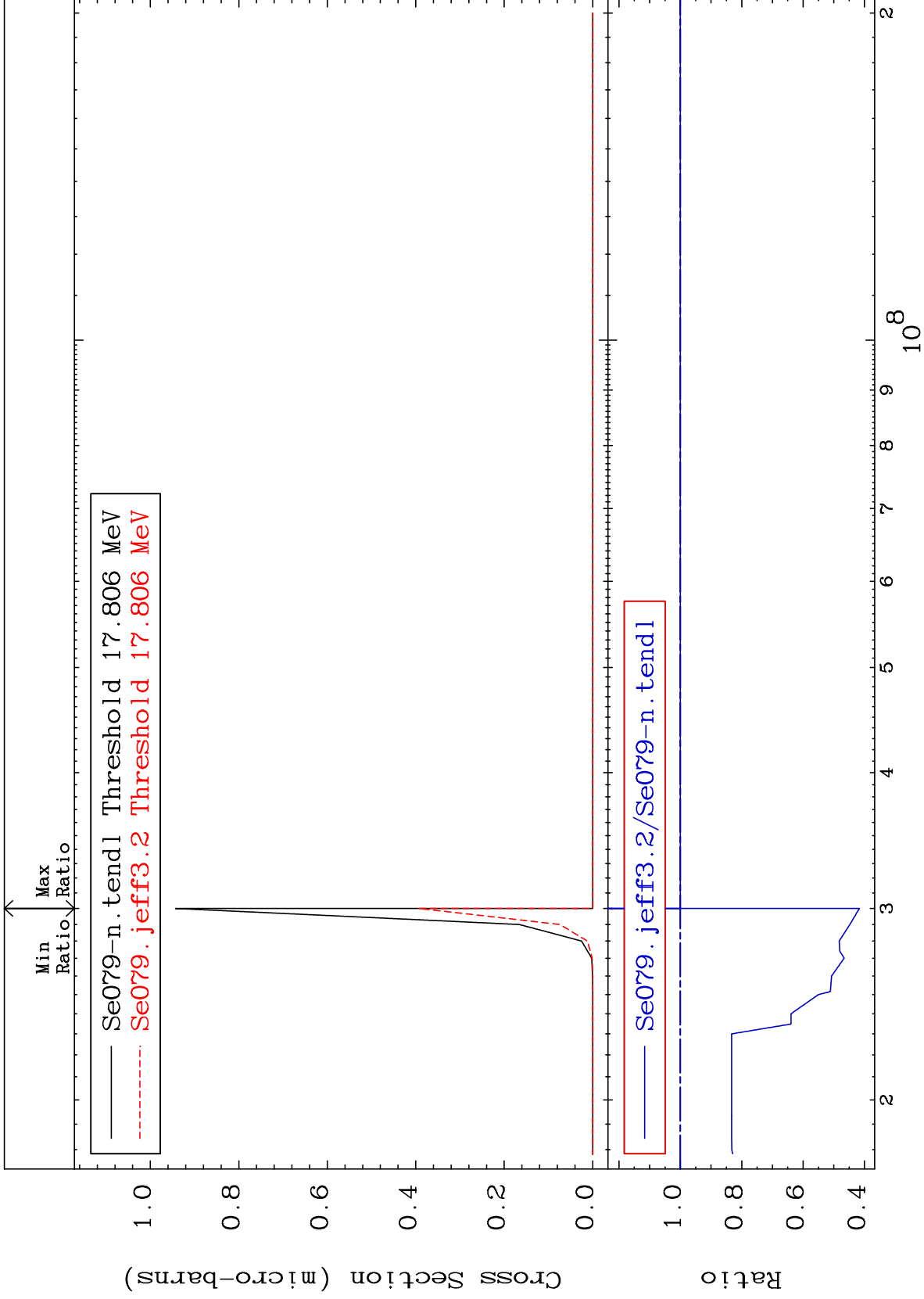
Incident Energy (eV)

³⁴Se-79

MAT 3440

(n,n') p α
Cross Section

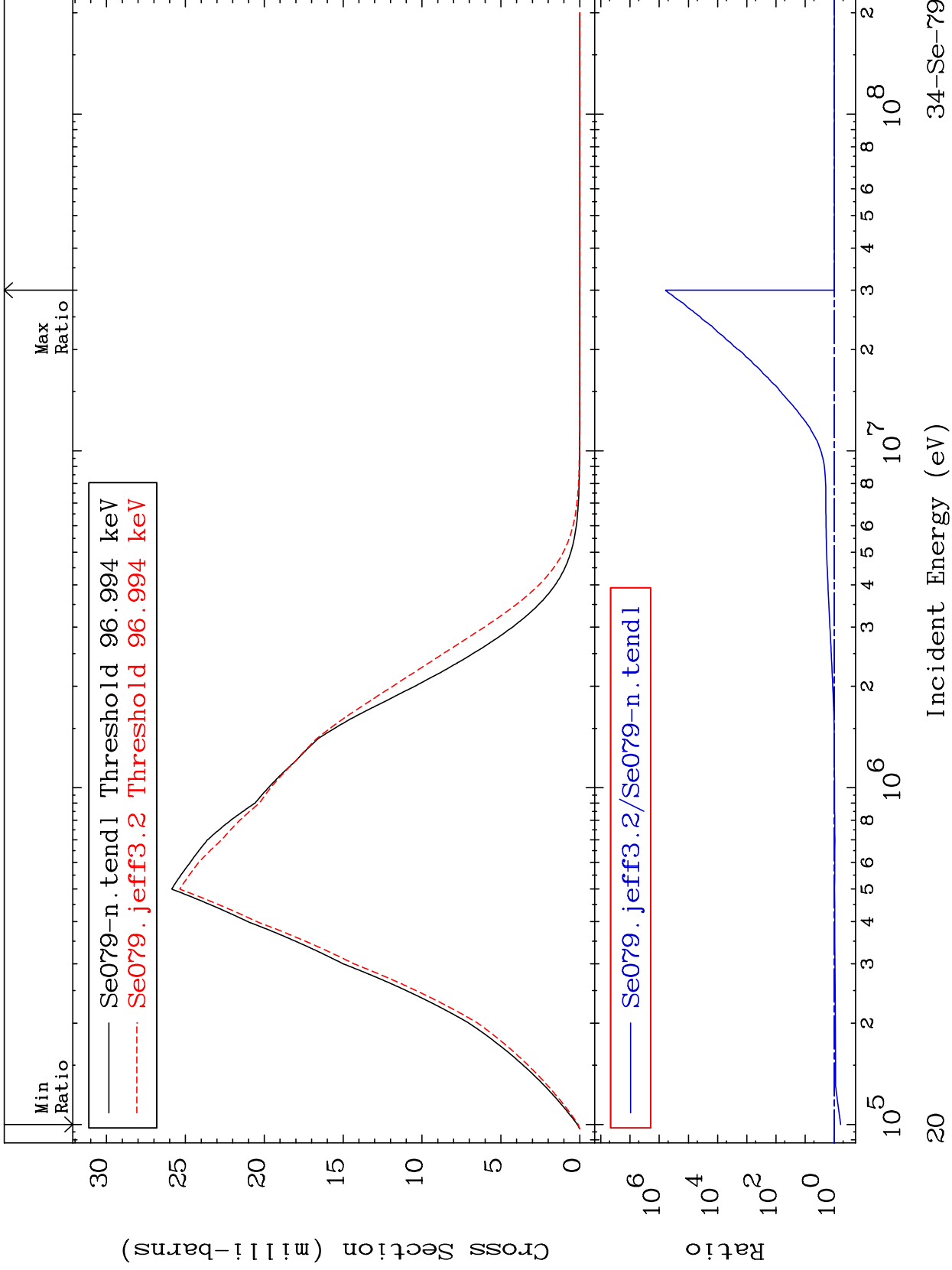
³⁴Se-79
-58.34 To 0.000 %



MAT 3440

95.77 keV (n,n') Level
Cross Section

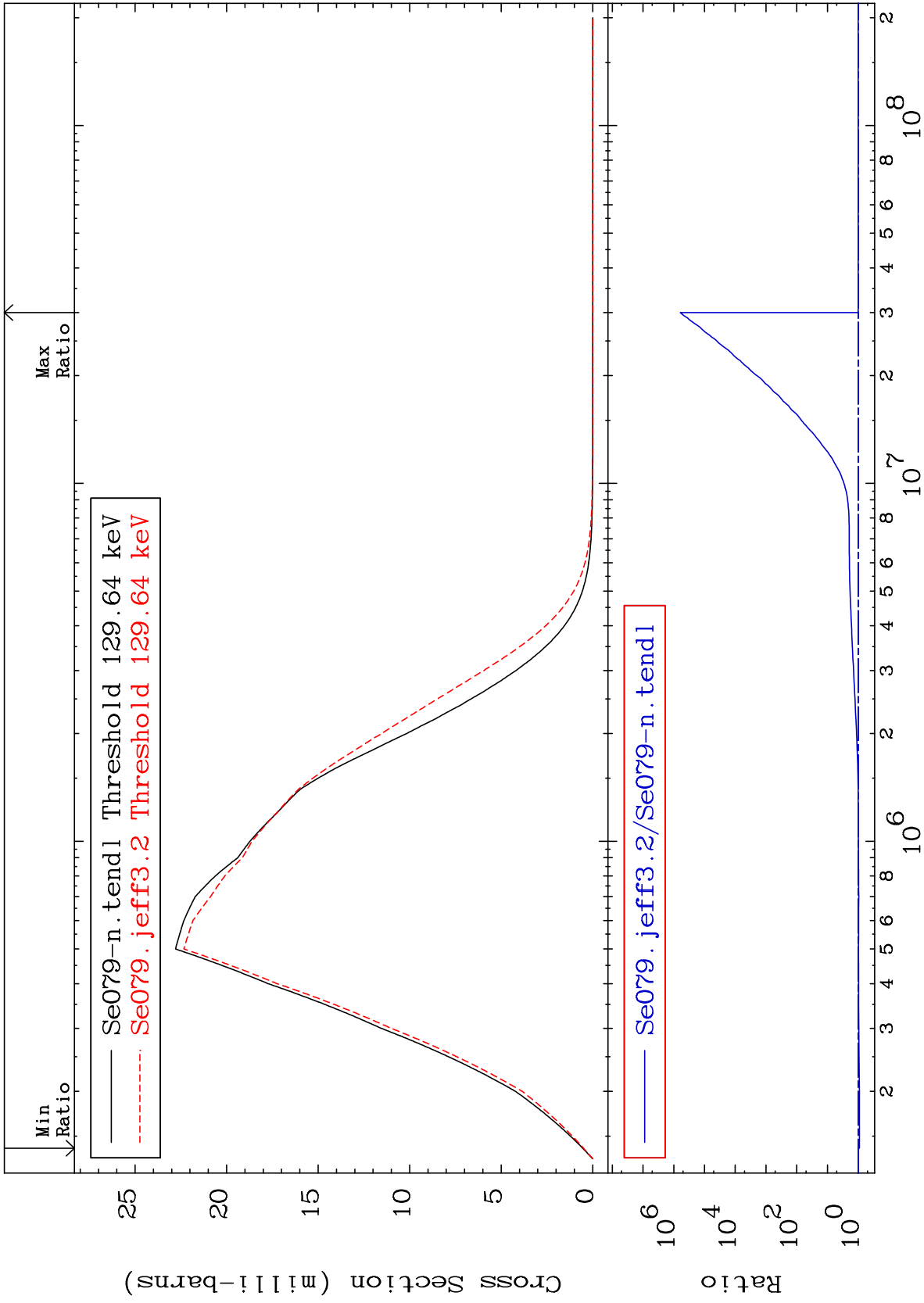
34-Se-79
-39.06 To 9999. %



MAT 3440

128.0 keV (n,n') Level
Cross Section

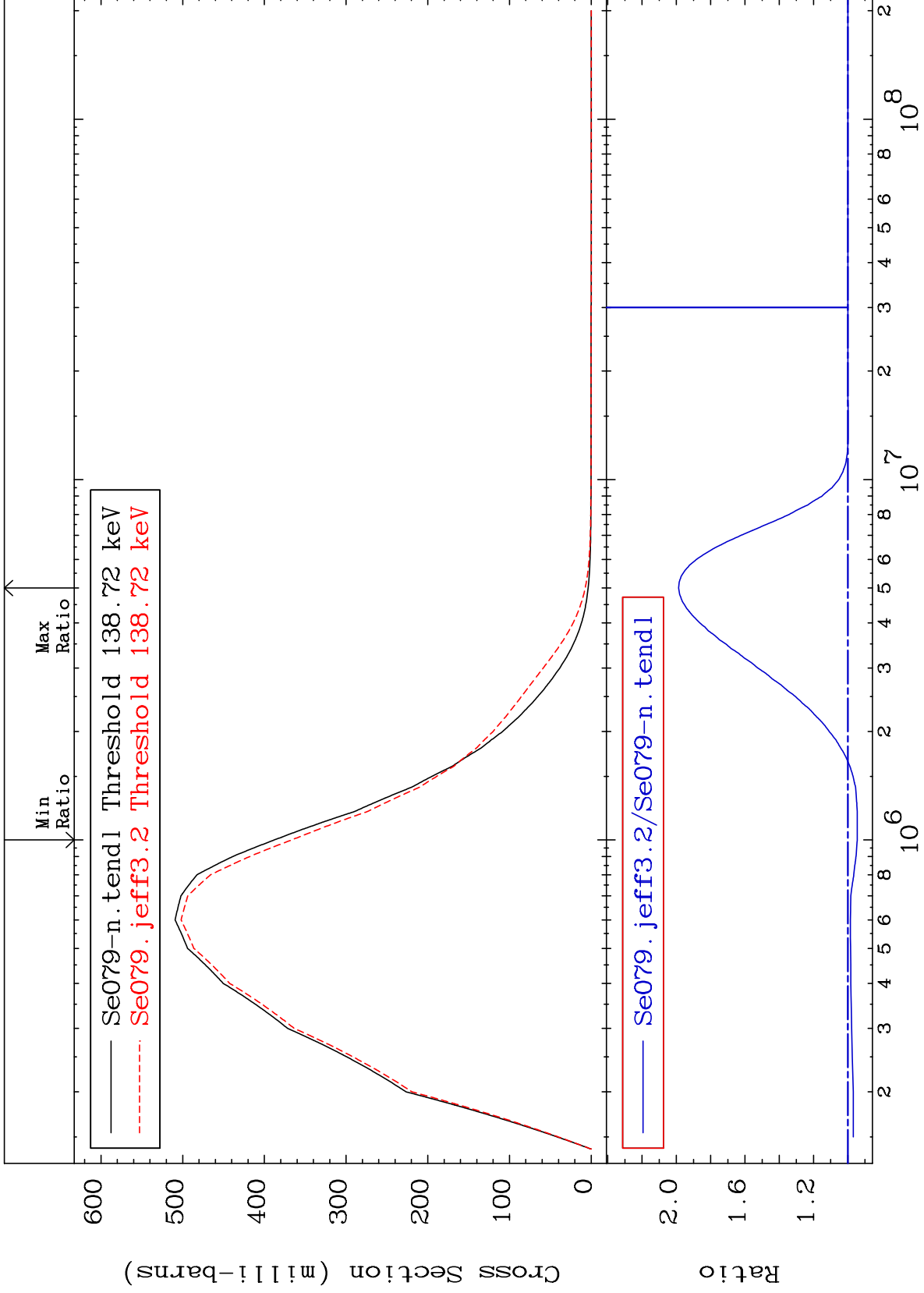
³⁴Se-79
-8.722 To 9999. %



MAT 3440

137.0 keV (n,n') Level
Cross Section

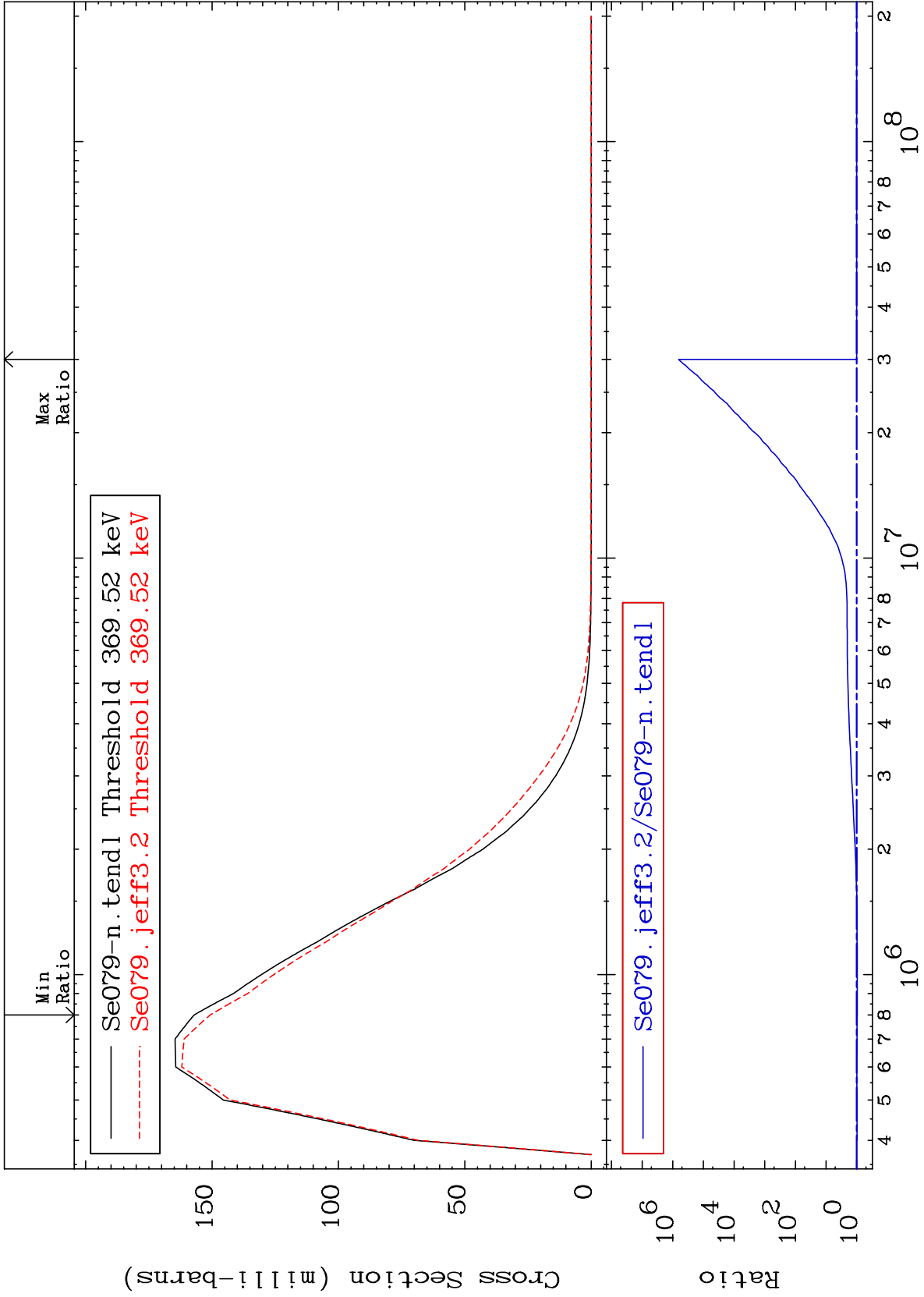
³⁴Se-79
-5.467 To 98.66 %



MAT 3440

364.9 keV (n,n') Level
Cross Section

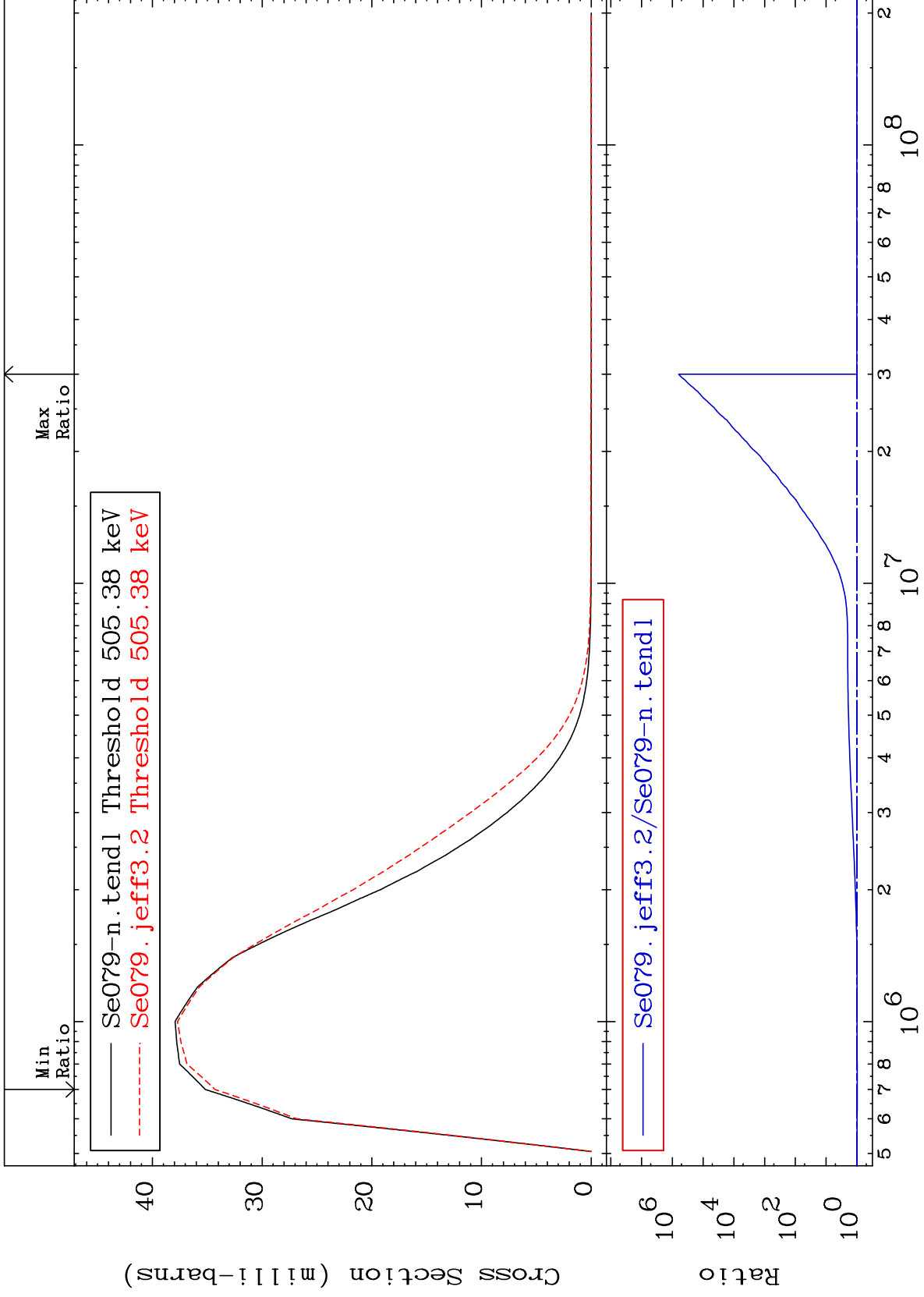
34-Se-79
-4.074 To 9999. %



MAT 3440

499.0 keV (n,n') Level
Cross Section

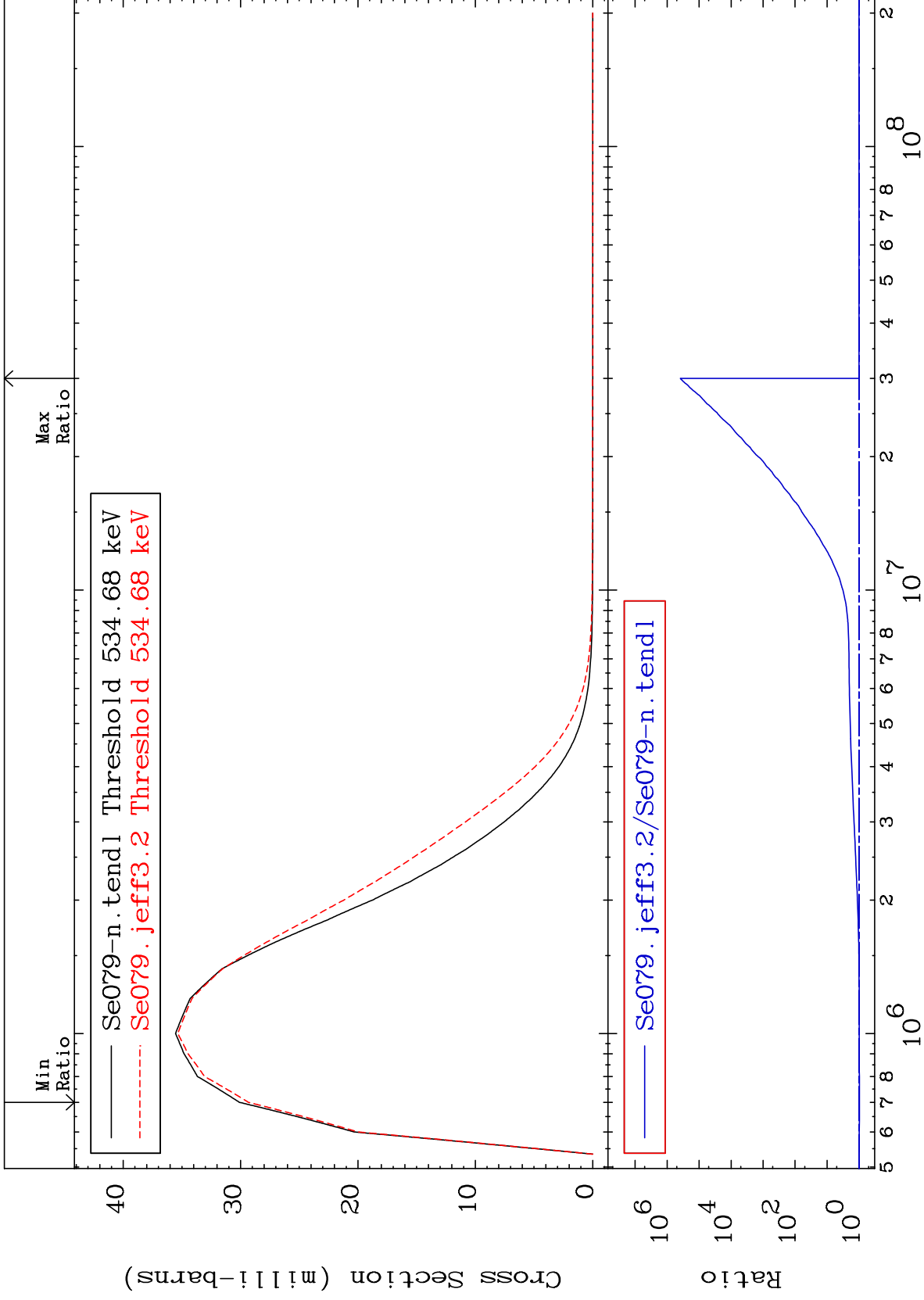
34-Se-79
-2.526 To 9999. %



MAT 3440

527.9 keV (n,n') Level
Cross Section

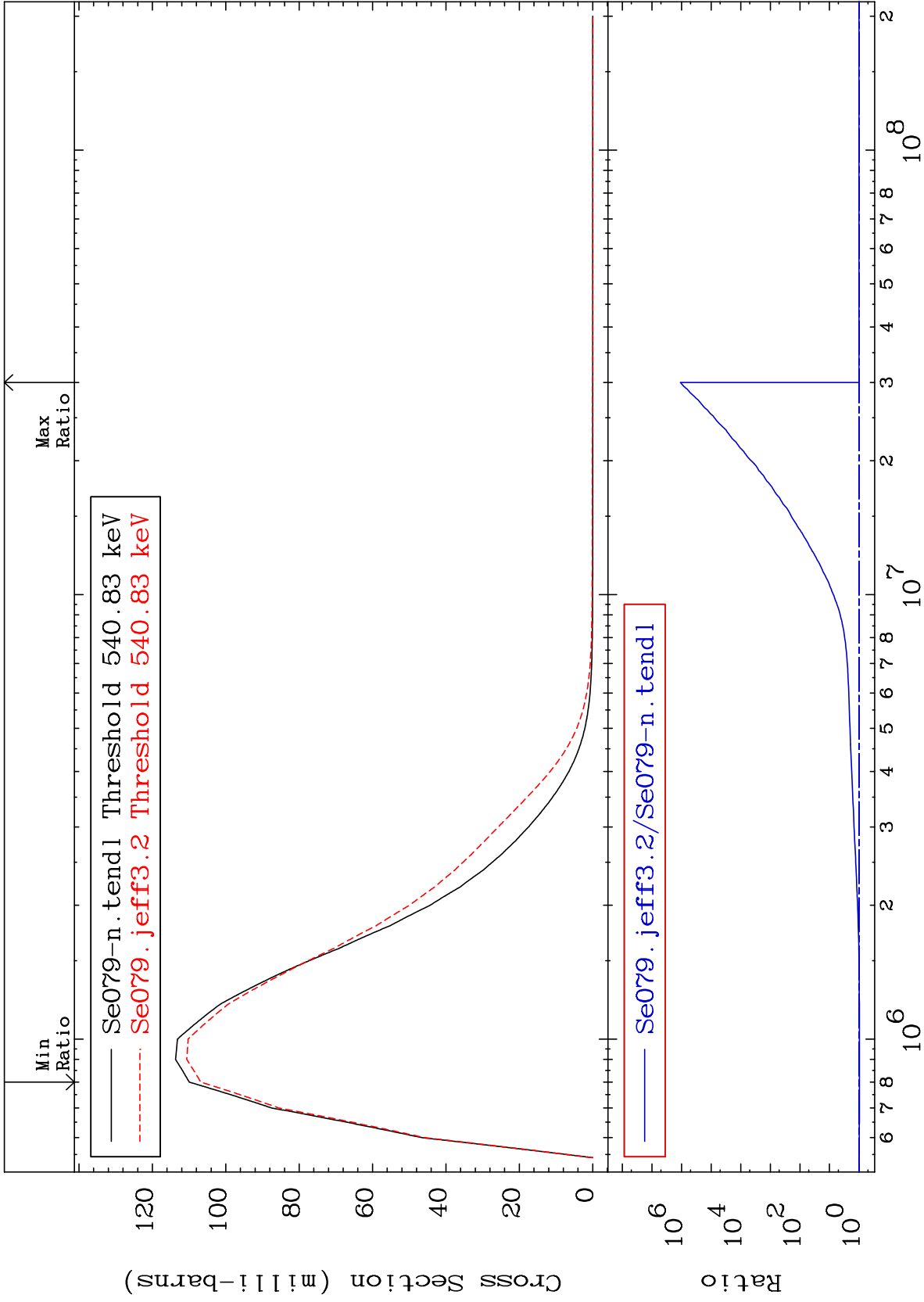
34-Se-79
-2.547 To 9999. %



MAT 3440

534.0 keV (n,n') Level
Cross Section

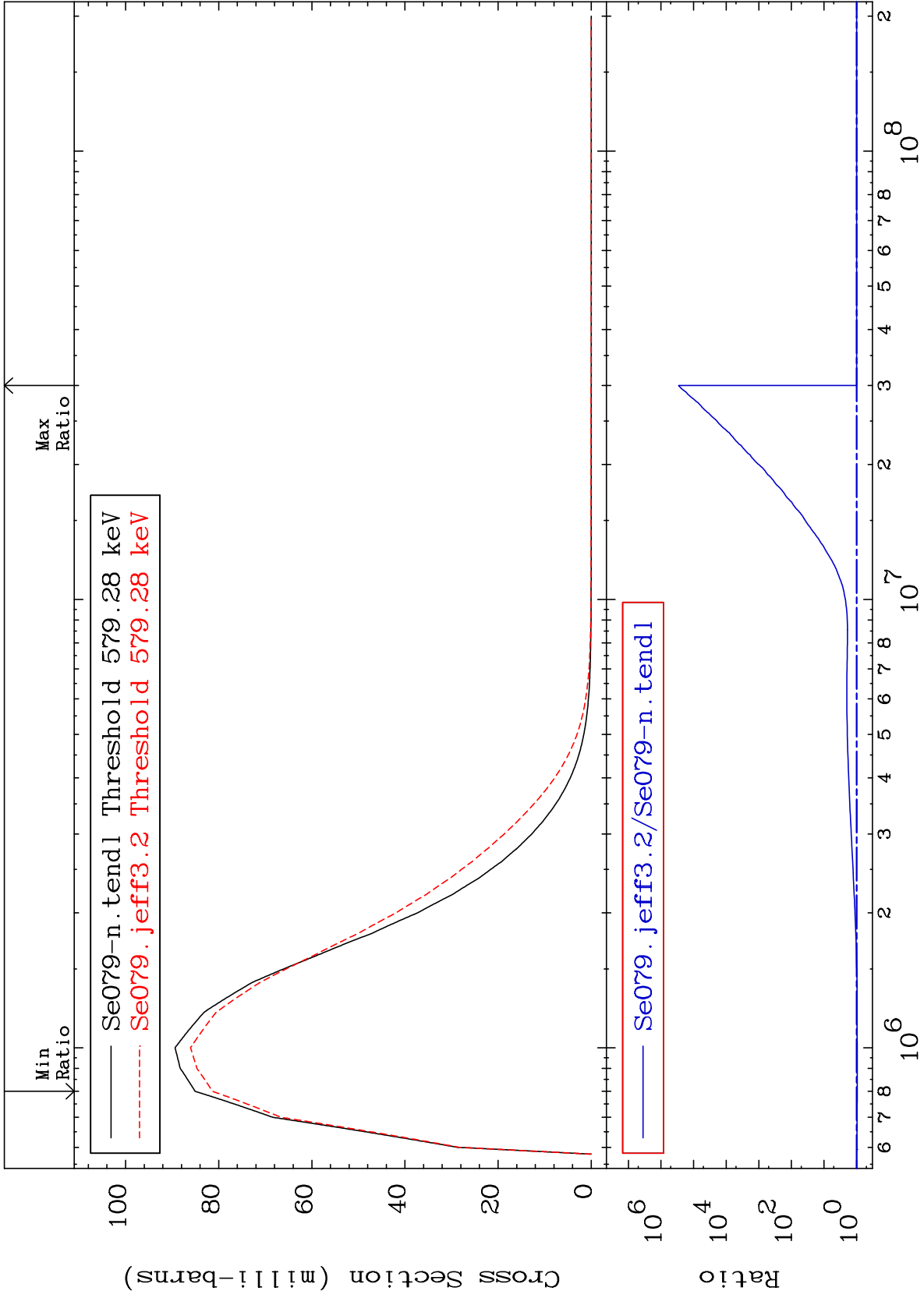
34-Se-79
-2.851 To 9999. %



MAT 3440

572.0 keV (n,n') Level
Cross Section

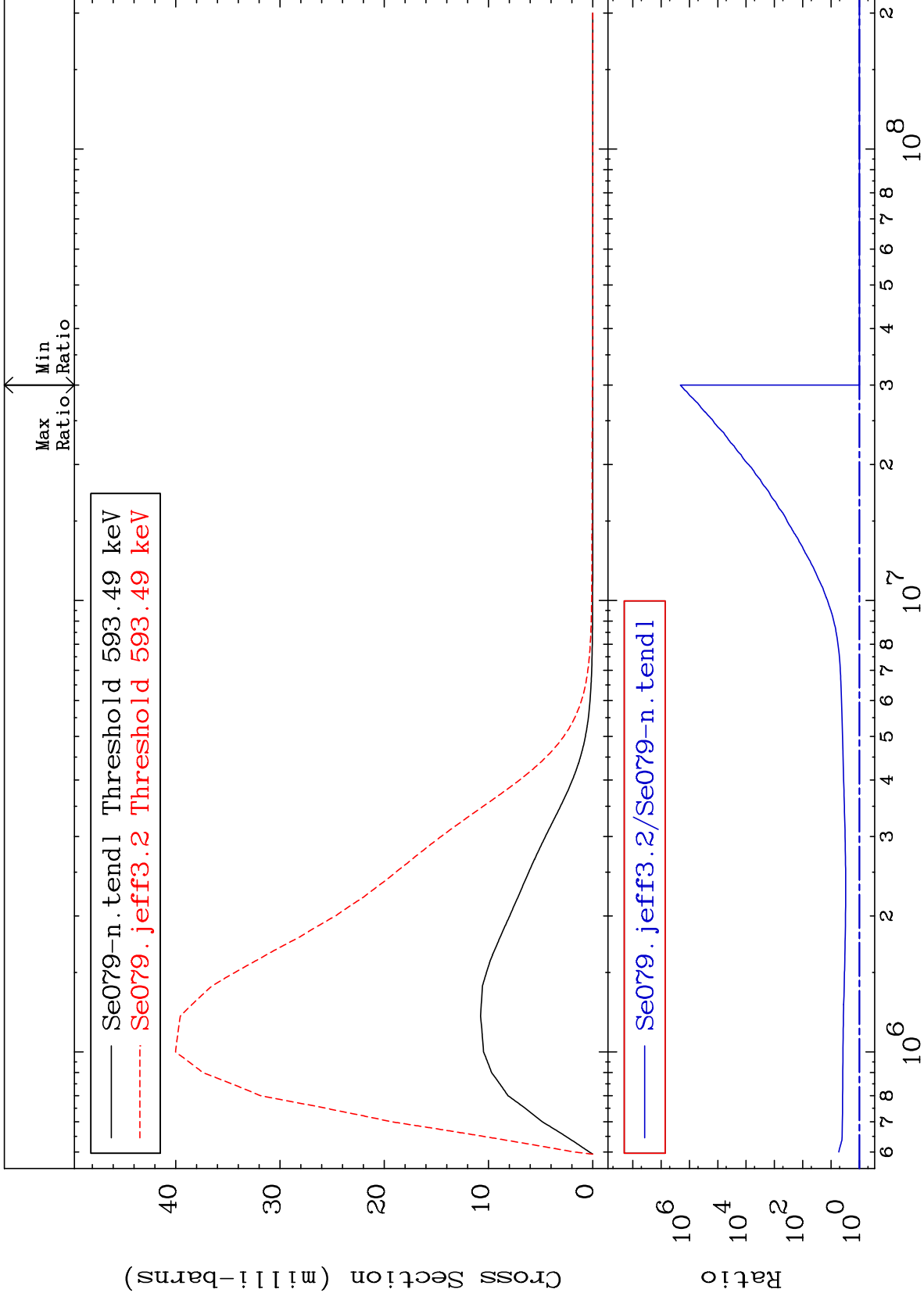
34-Se-79
-4.389 To 9999. %



MAT 3440

586.0 keV (n,n') Level
Cross Section

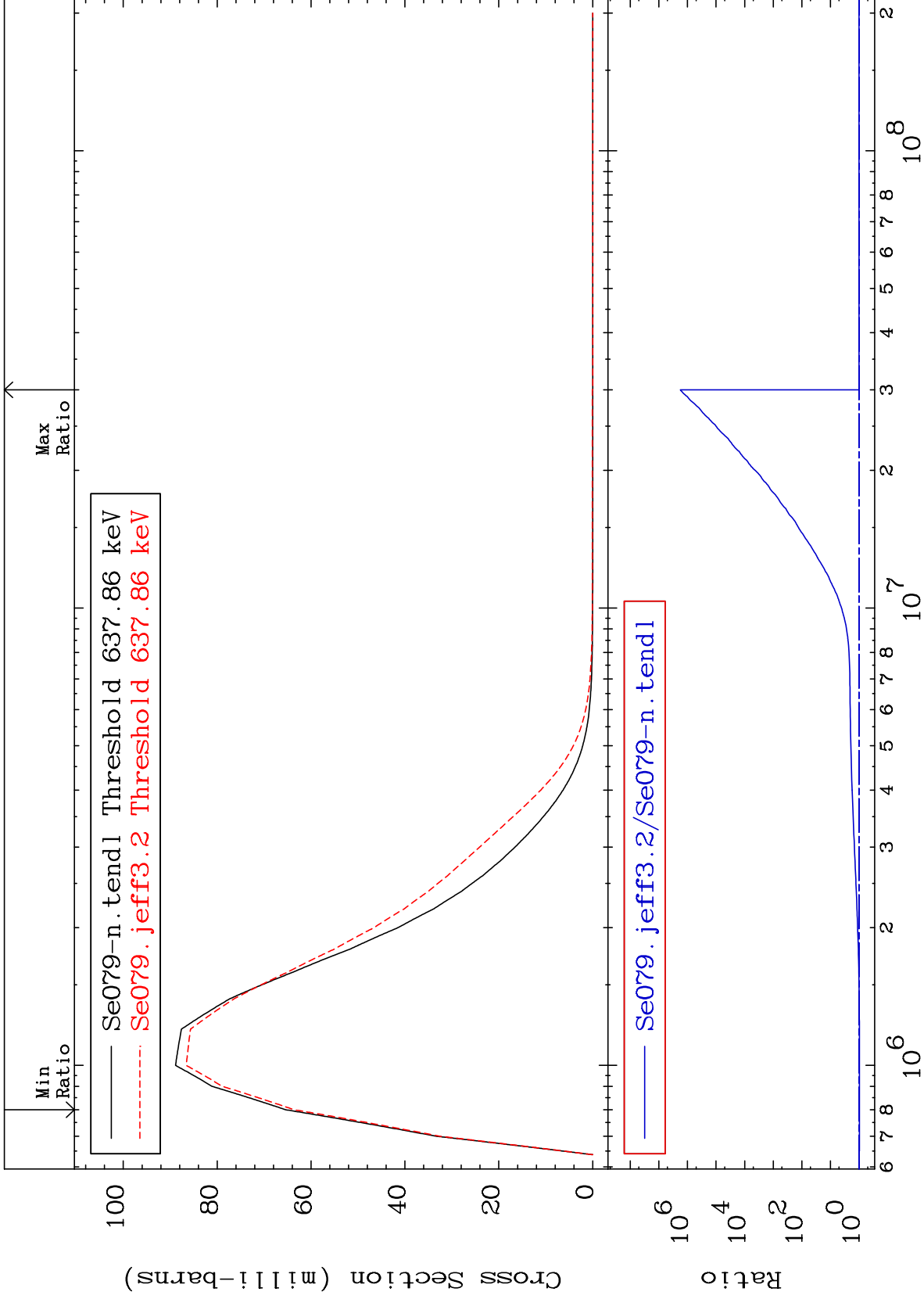
0.000 To 9999. %
34-Se-79



MAT 3440

629.8 keV (n,n') Level
Cross Section

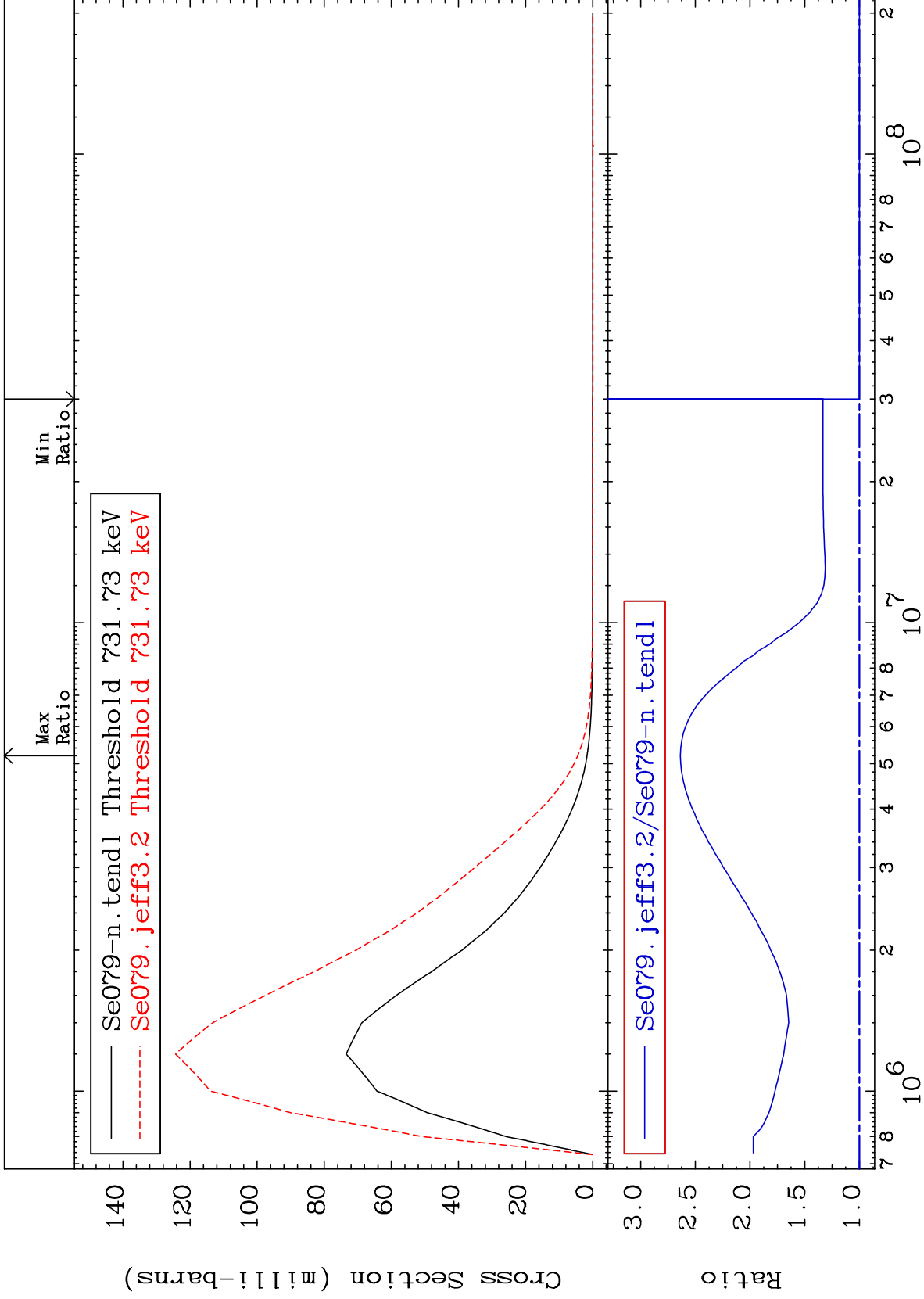
34-Se-79
-2.763 To 9999. %



MAT 3440

722.5 keV (n,n') Level
Cross Section

34-Se-79
0.000 To 163.7 %



30

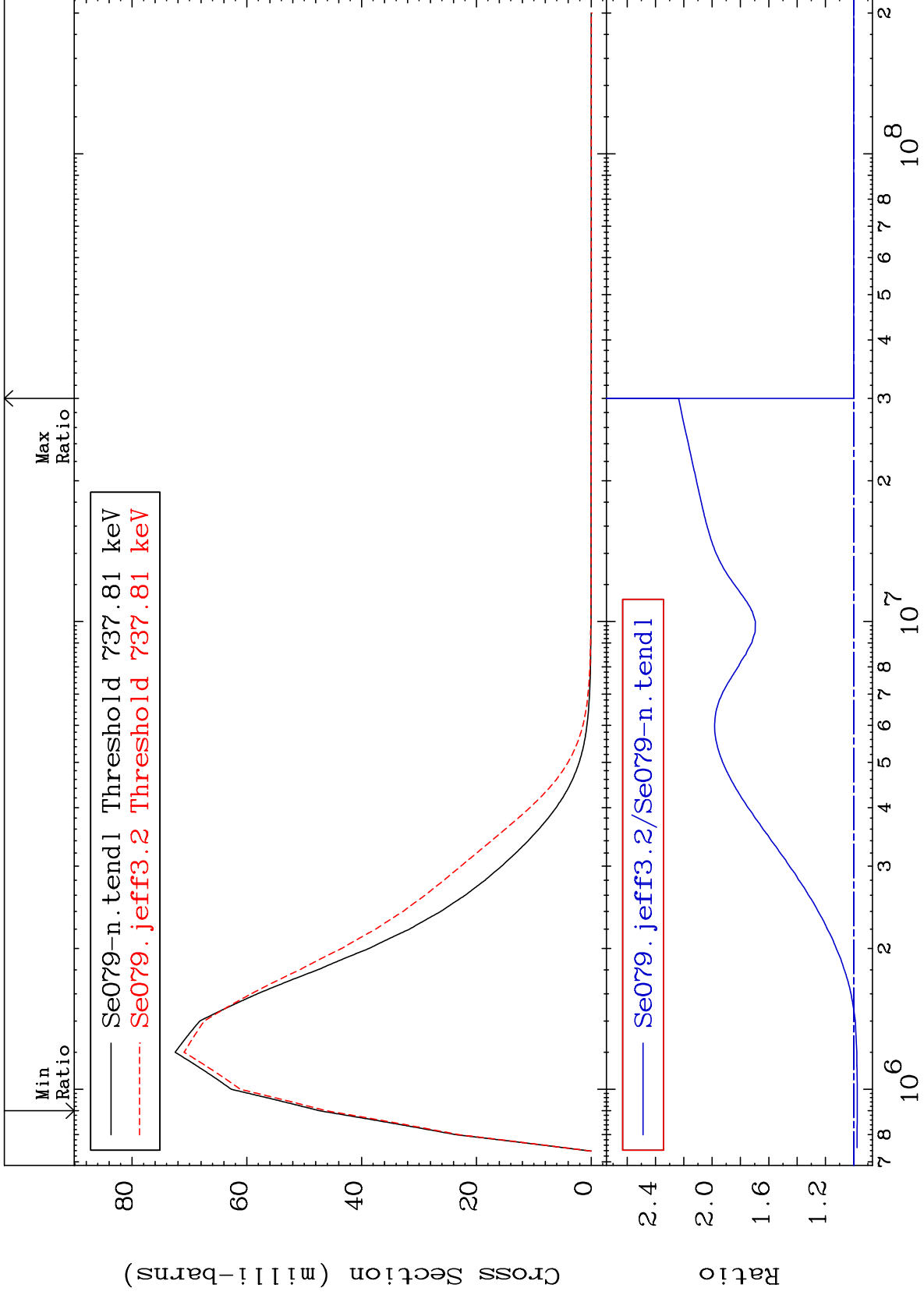
Incident Energy (eV)

34-Se-79

MAT 3440

728.5 keV (n,n') Level
Cross Section

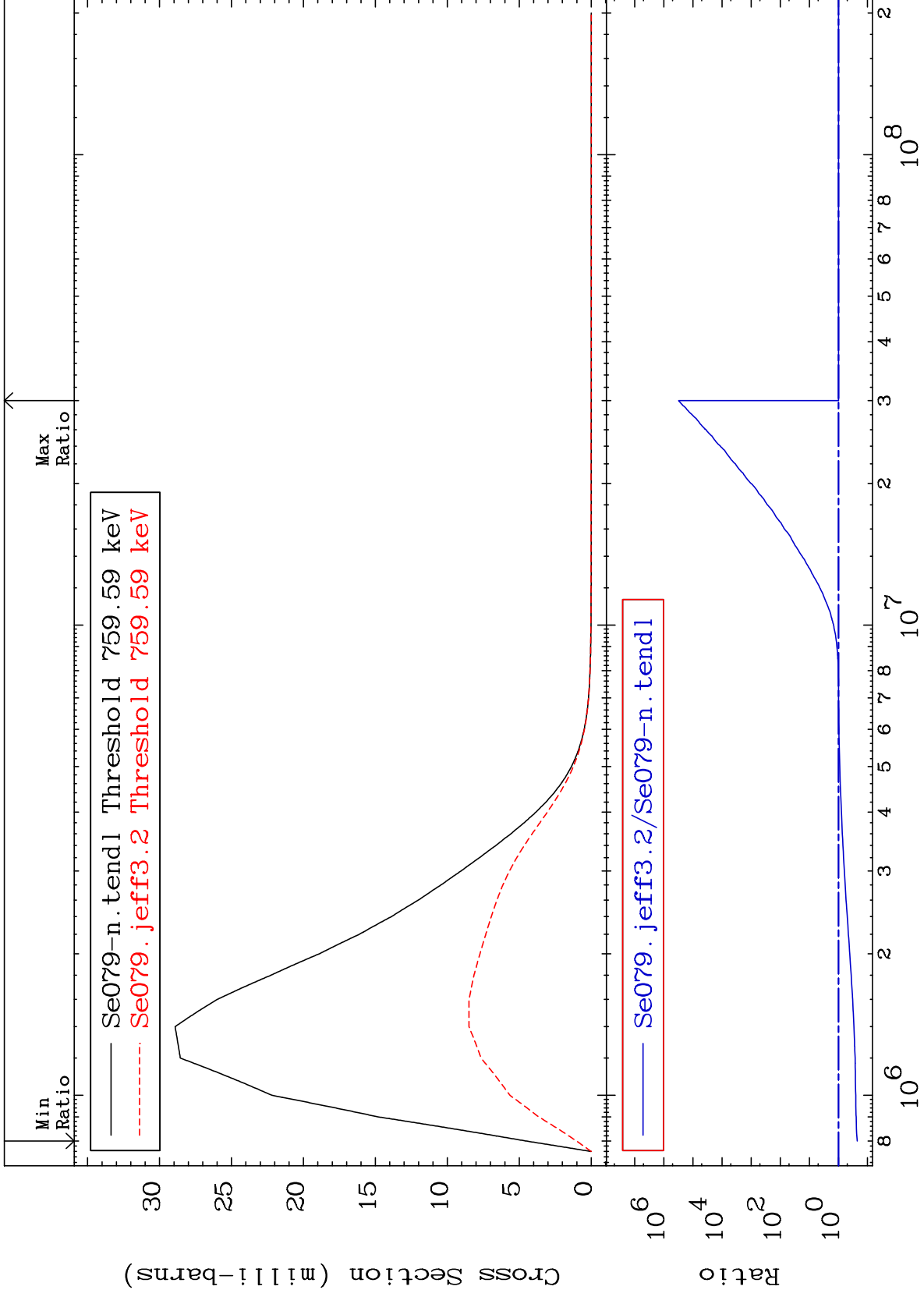
34-Se-79
-2.514 To 123.7 %



MAT 3440

750.0 keV (n,n') Level
Cross Section

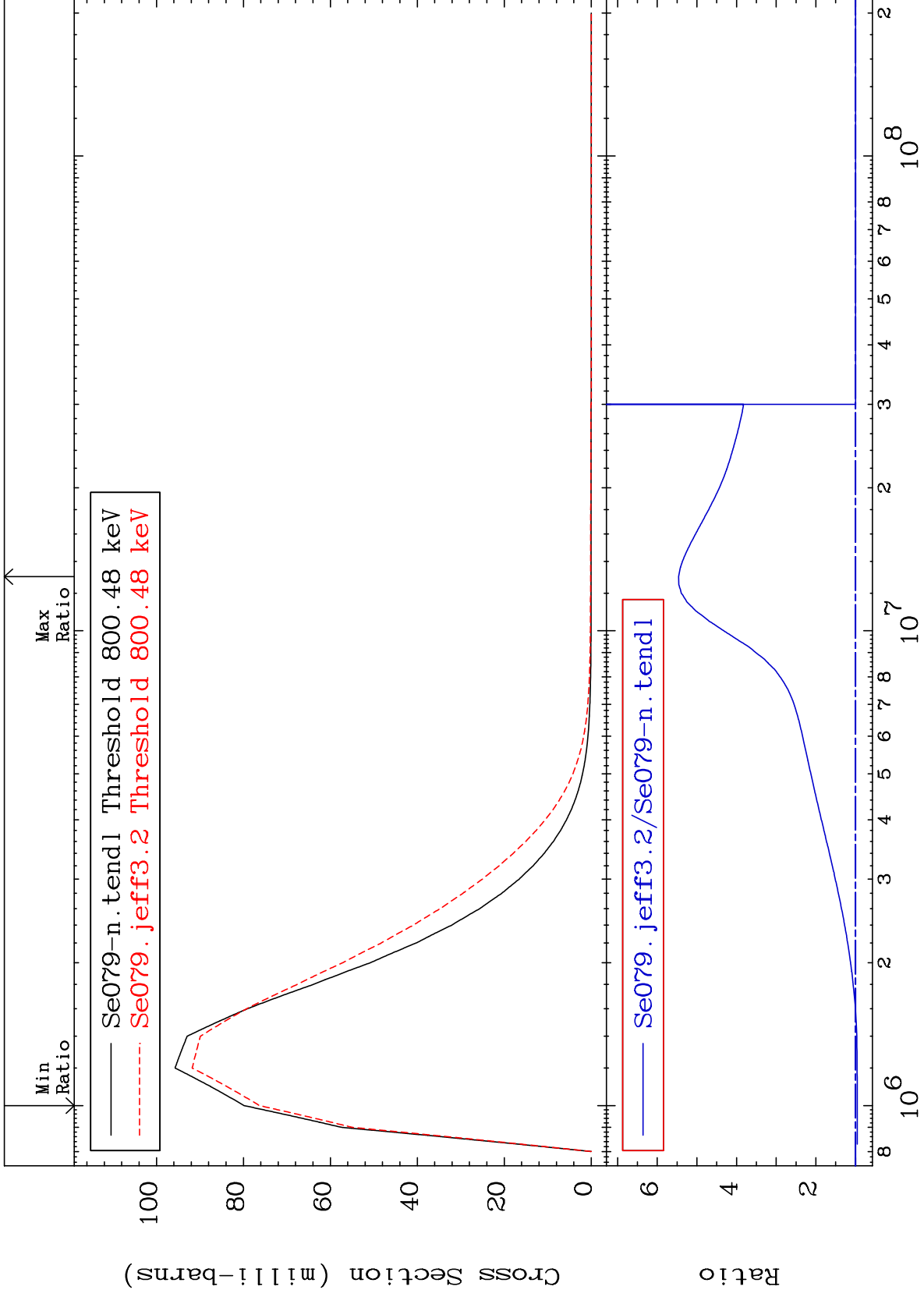
34-Se-79
-77.44 To 9999. %



MAT 3440

790.4 keV (n,n') Level
Cross Section

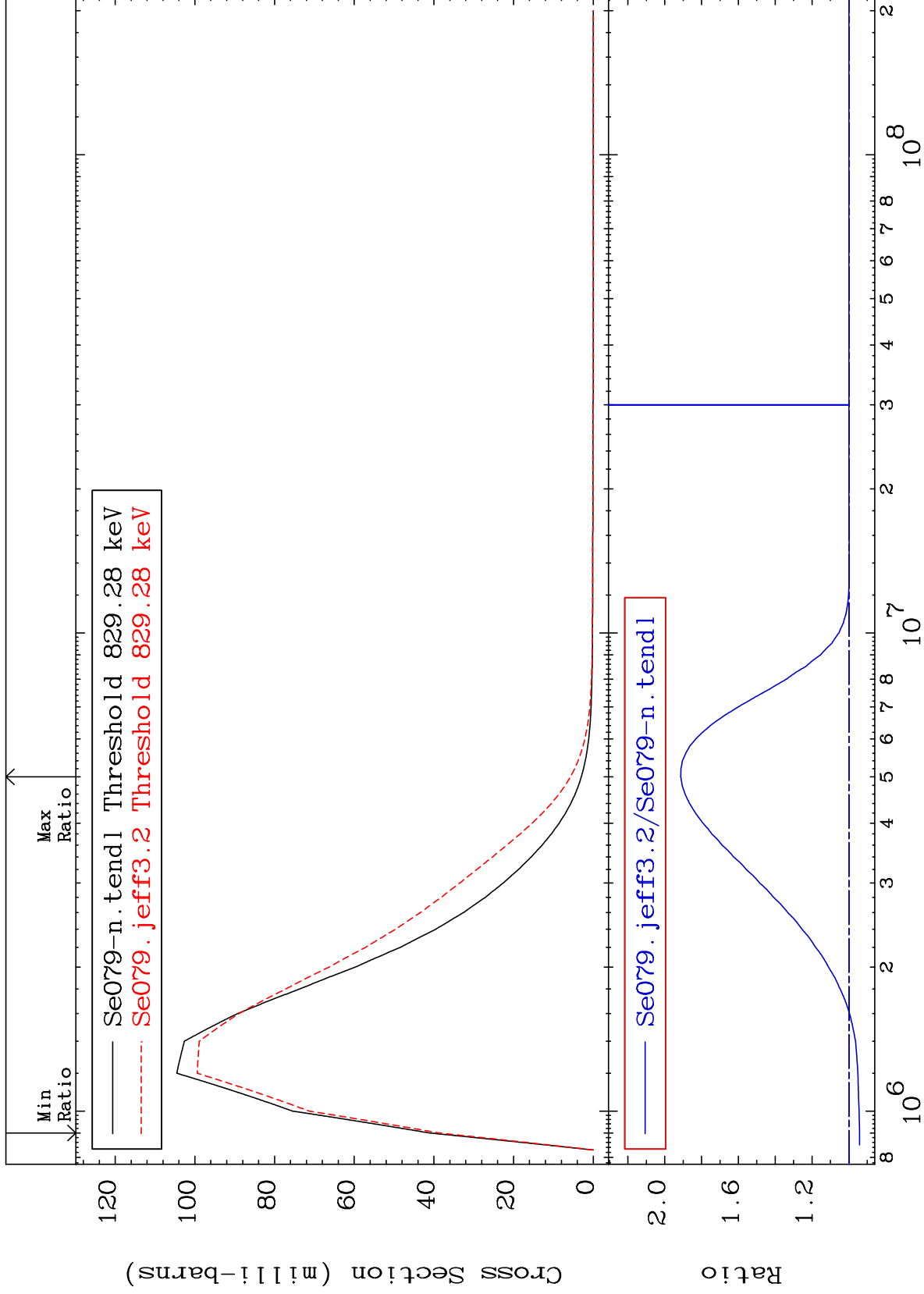
³⁴Se-79
-4.459 To 446.0 %



MAT 3440

818.8 keV (n,n') Level
Cross Section

34-Se-79
-5.794 To 91.29 %



34

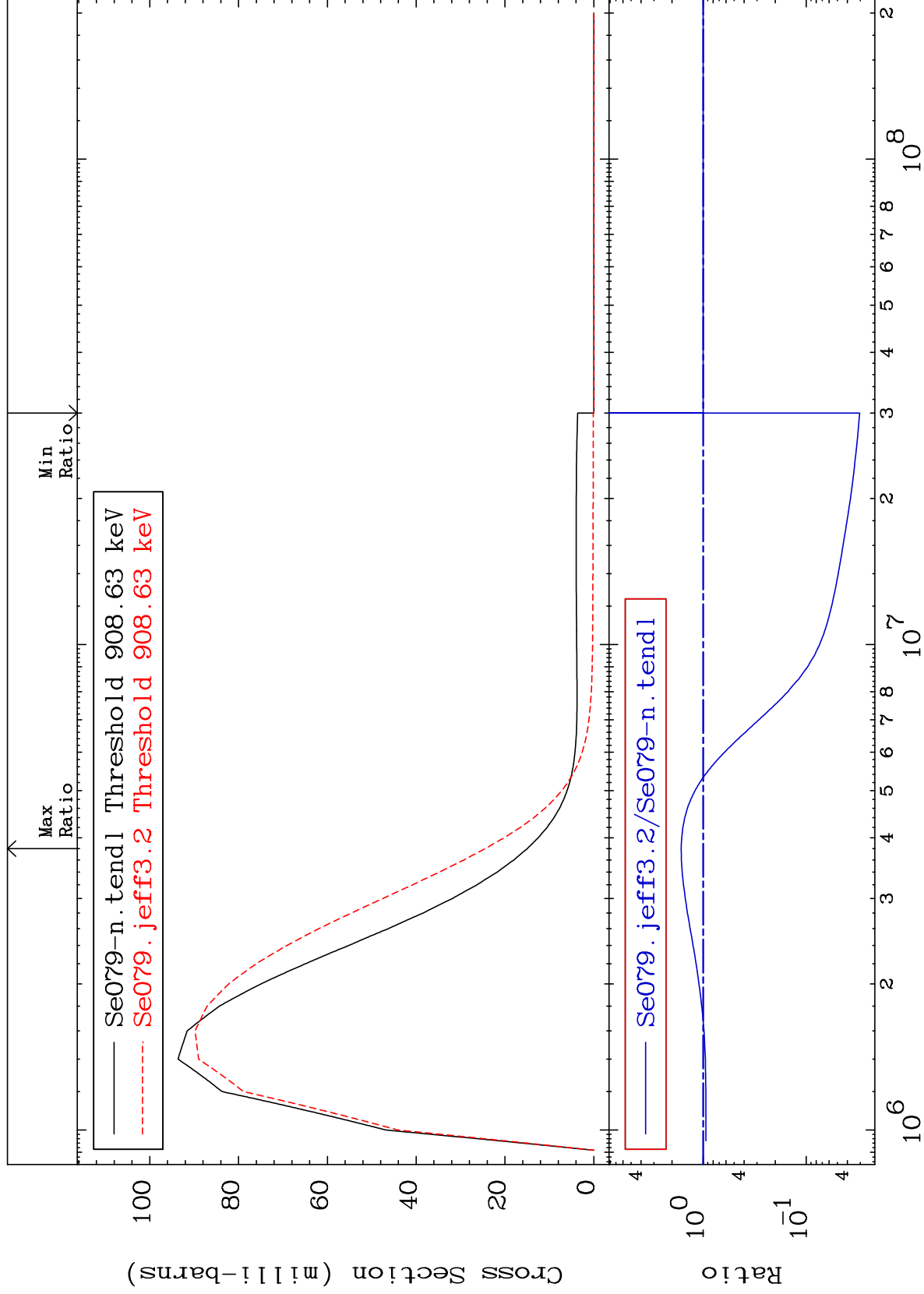
Incident Energy (eV)

34-Se-79

MAT 3440

897.2 keV (n,n') Level
Cross Section

³⁴Se-79
-96.96 To 63.18 %

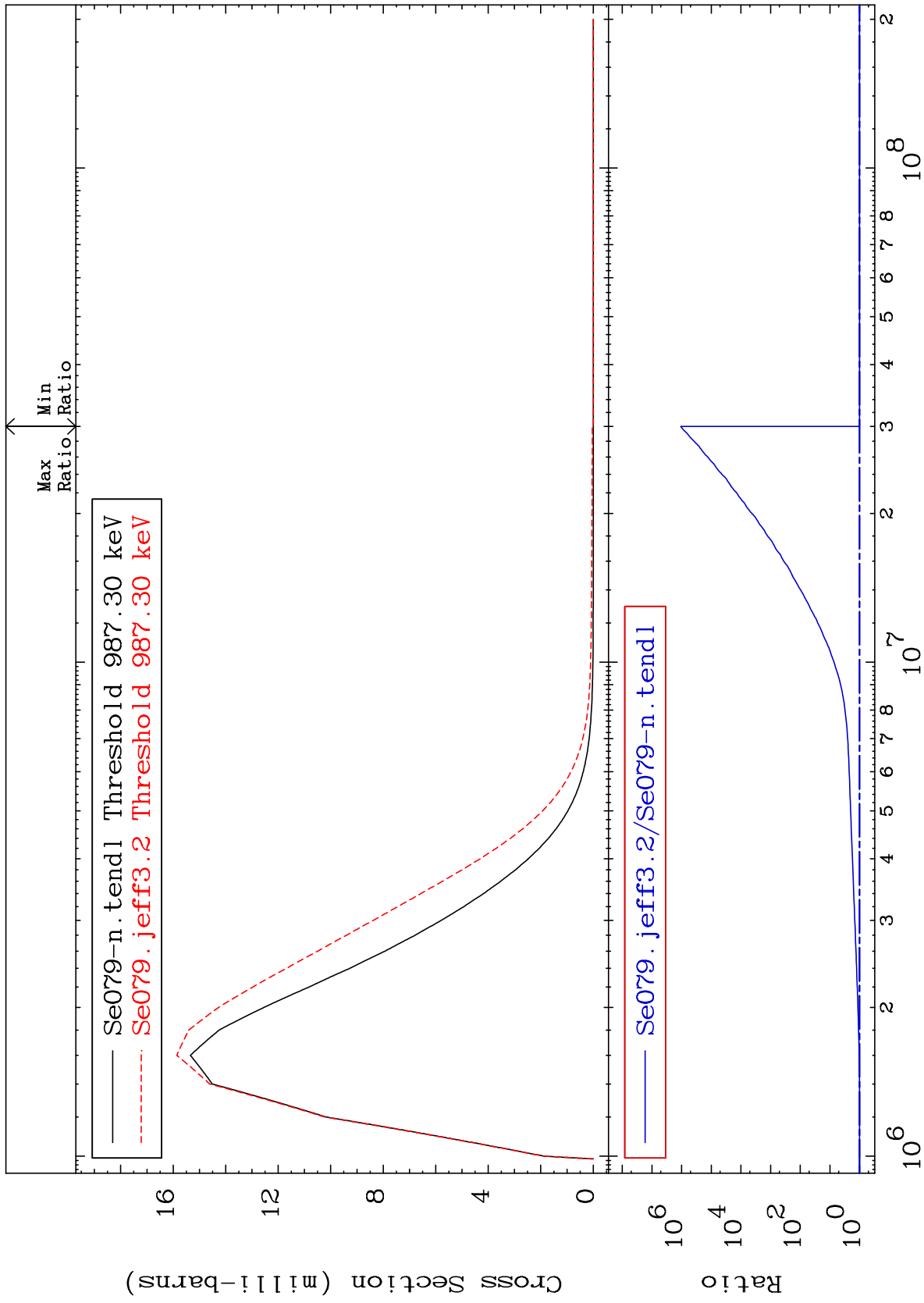


35

Incident Energy (eV)

³⁴Se-79

MAT 3440 974.8 keV (n,n') Level 34-Se-79
Cross Section 0.000 To 9999. %

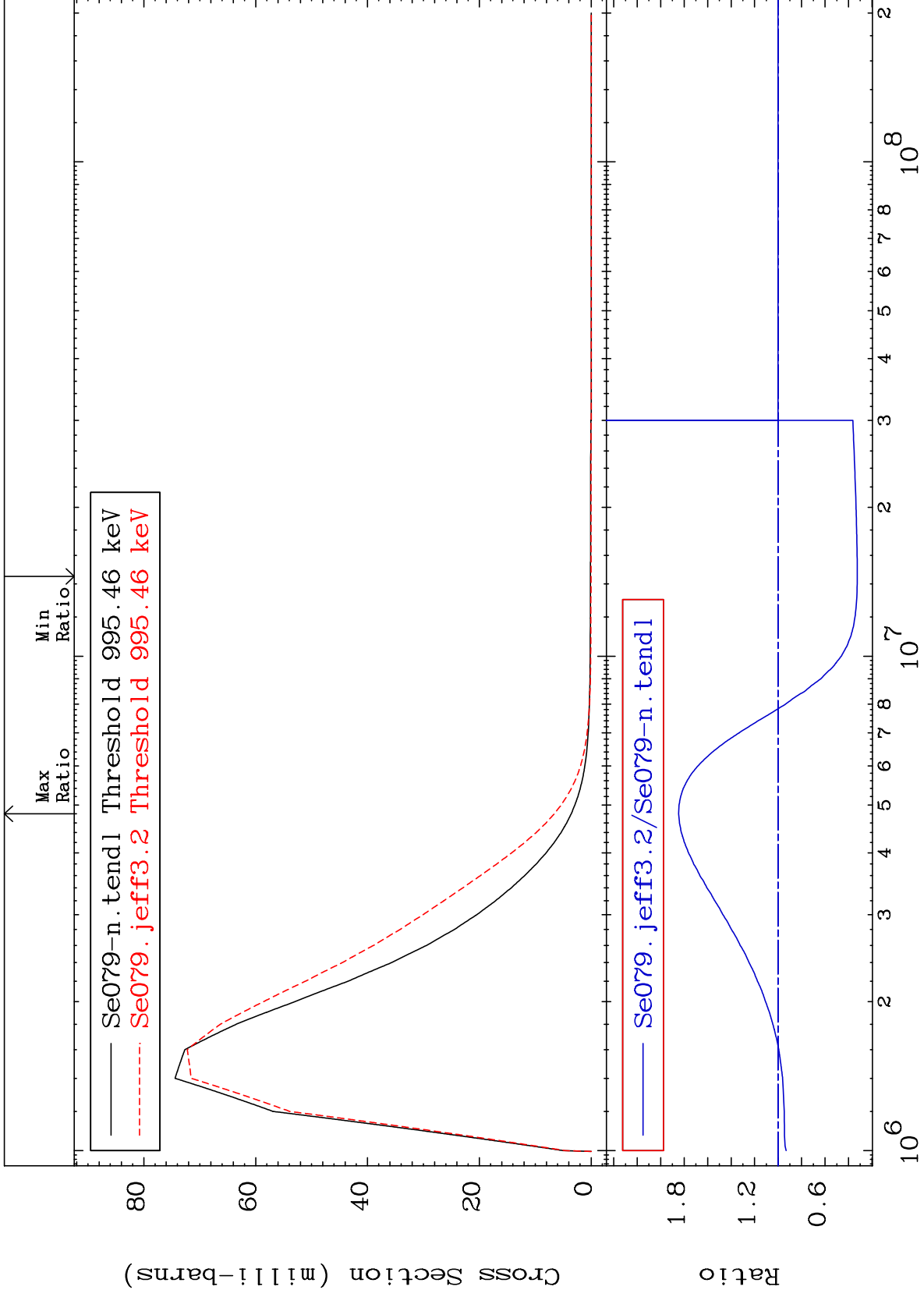


36 34-Se-79

MAT 3440

982.9 keV (n,n') Level
Cross Section

³⁴Se-79
-67.44 To 84.71 %



37

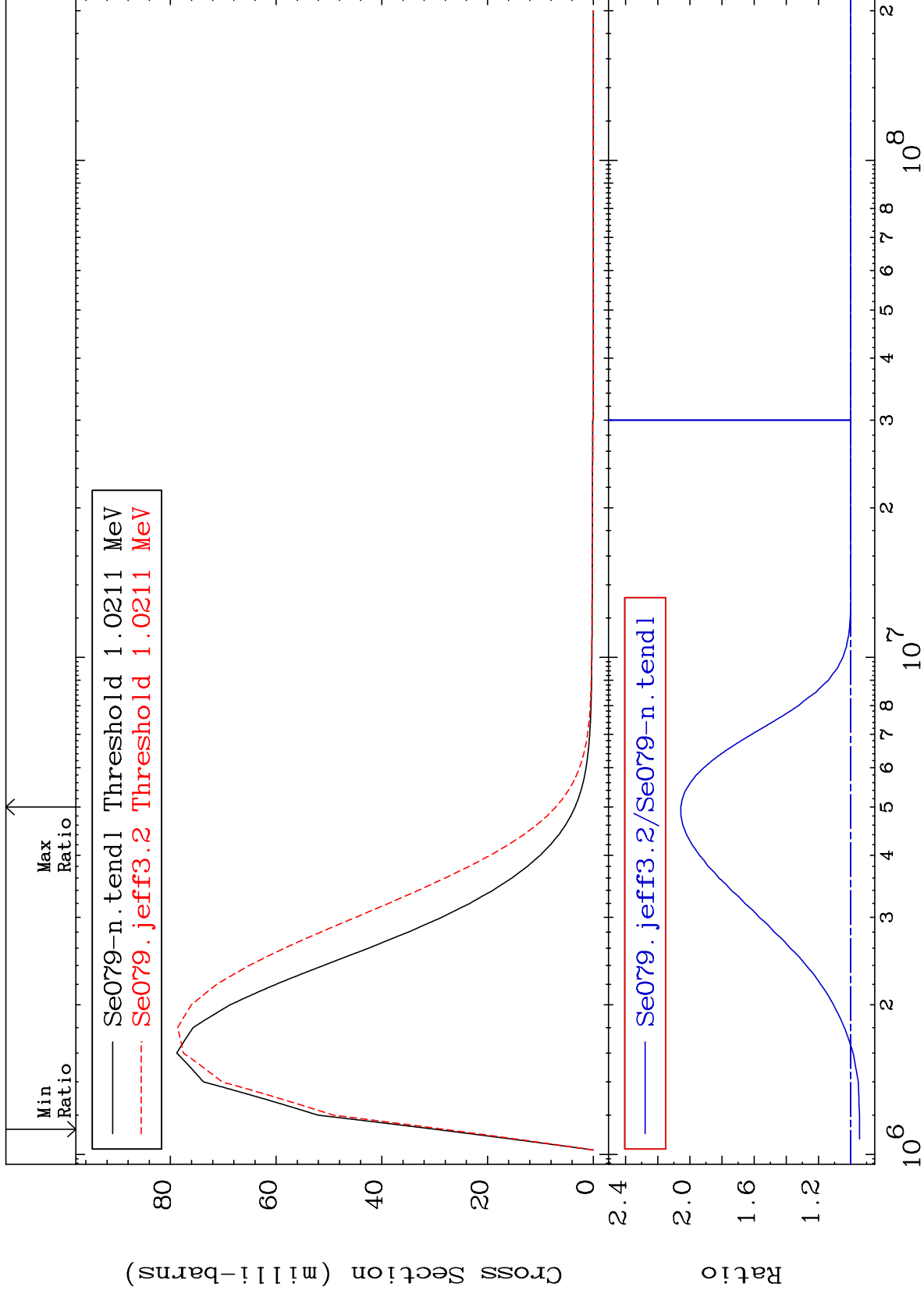
Incident Energy (eV)

³⁴Se-79

MAT 3440

1.008 MeV (n,n') Level
Cross Section

34-Se-79
-5.560 To 105.7 %



38

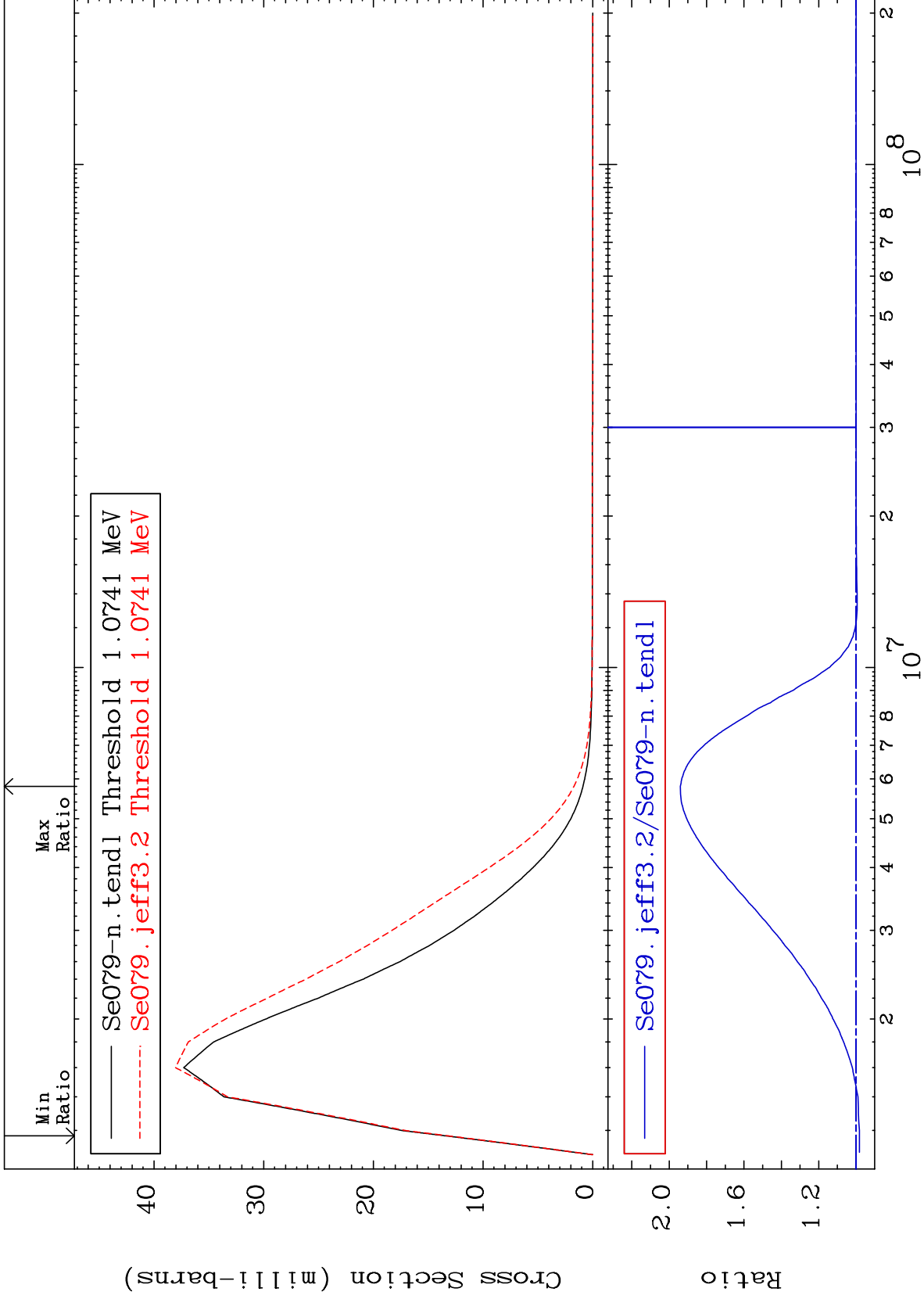
Incident Energy (eV)

34-Se-79

MAT 3440

1.061 MeV (n,n') Level
Cross Section

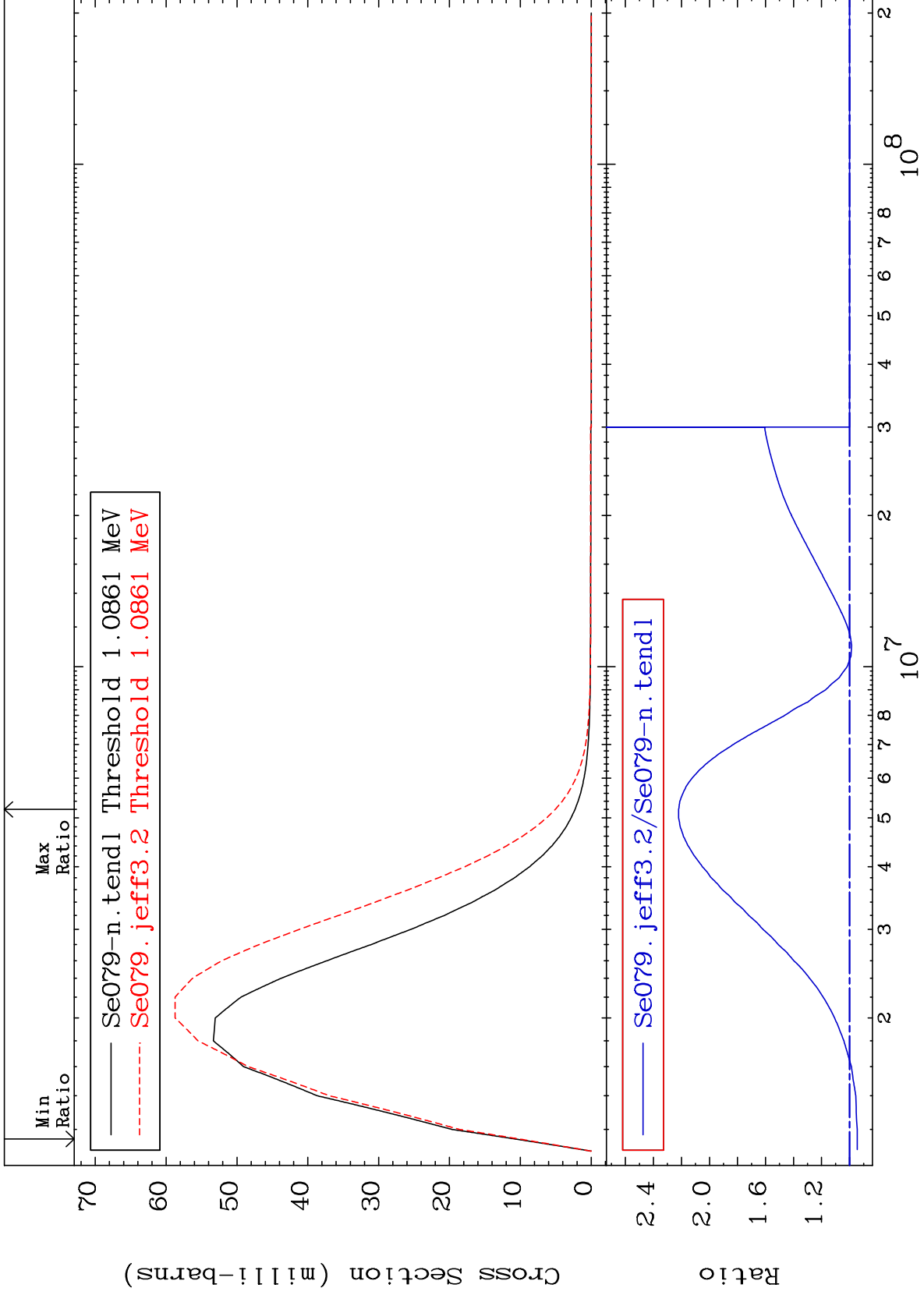
³⁴Se-79
-1.777 To 94.03 %



MAT 3440

1.072 MeV (n,n') Level
Cross Section

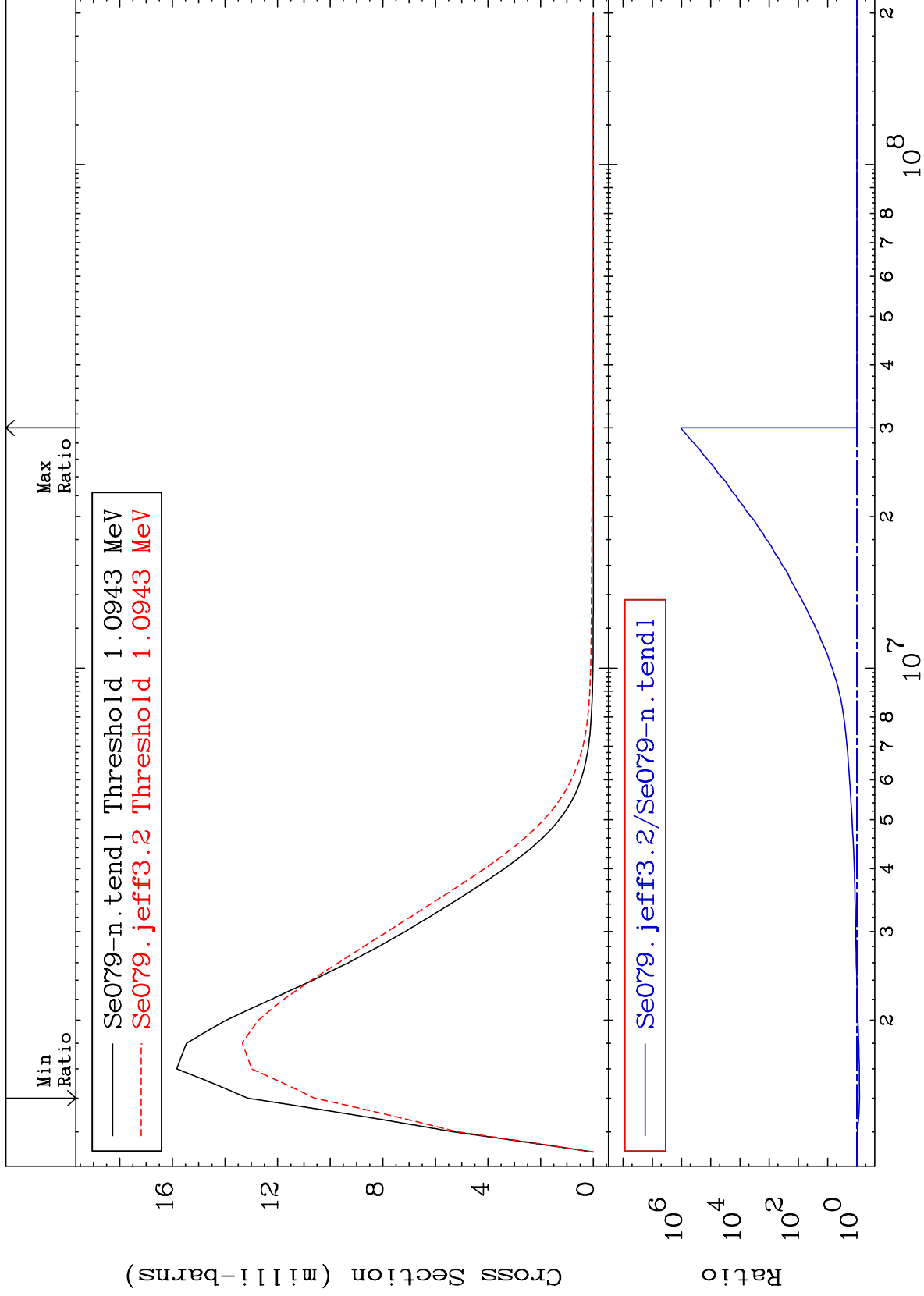
³⁴Se-79
-5.462 To 122.0 %



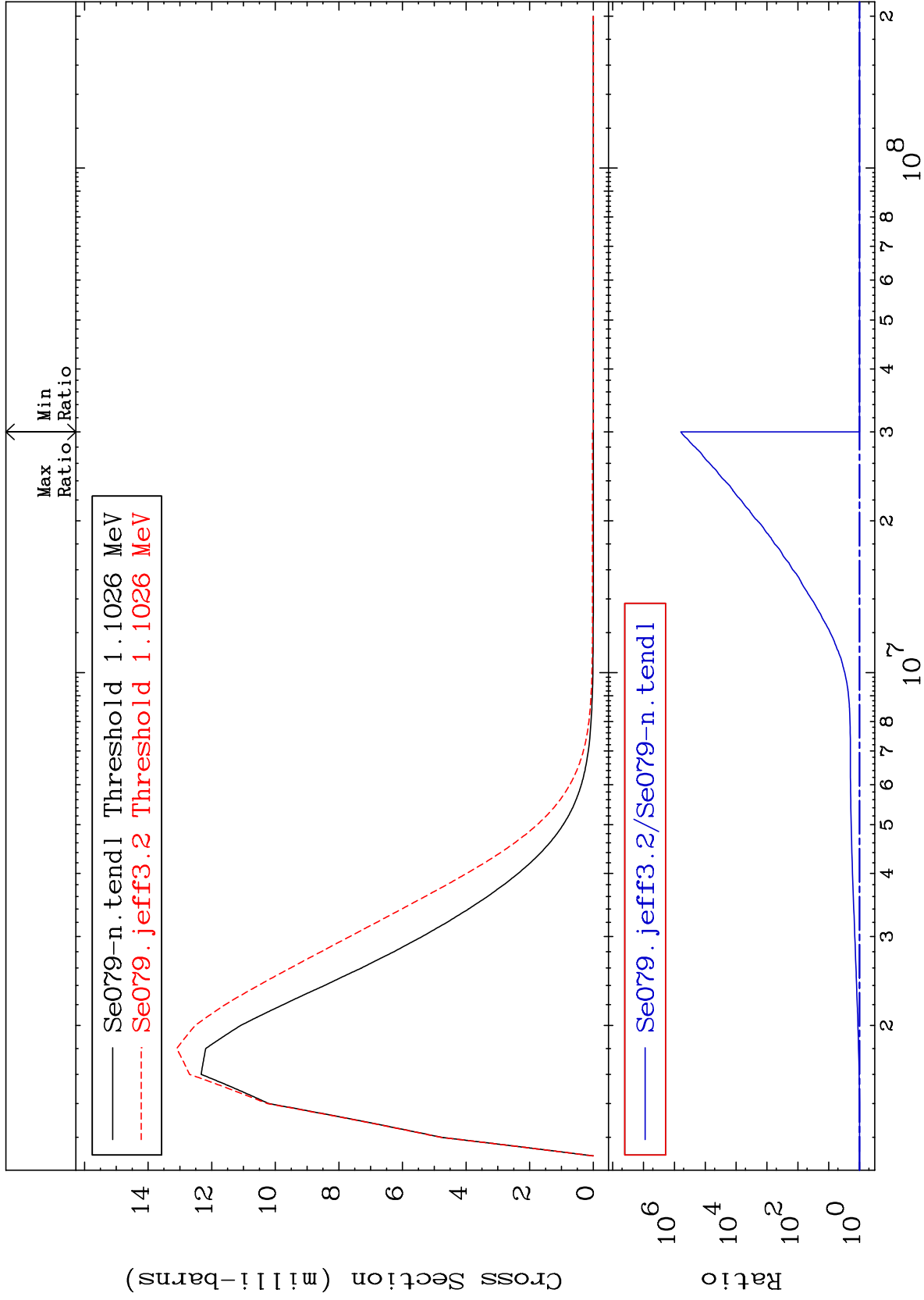
MAT 3440

1.080 MeV (n,n') Level
Cross Section

34-Se-79
-19.33 To 9999. %



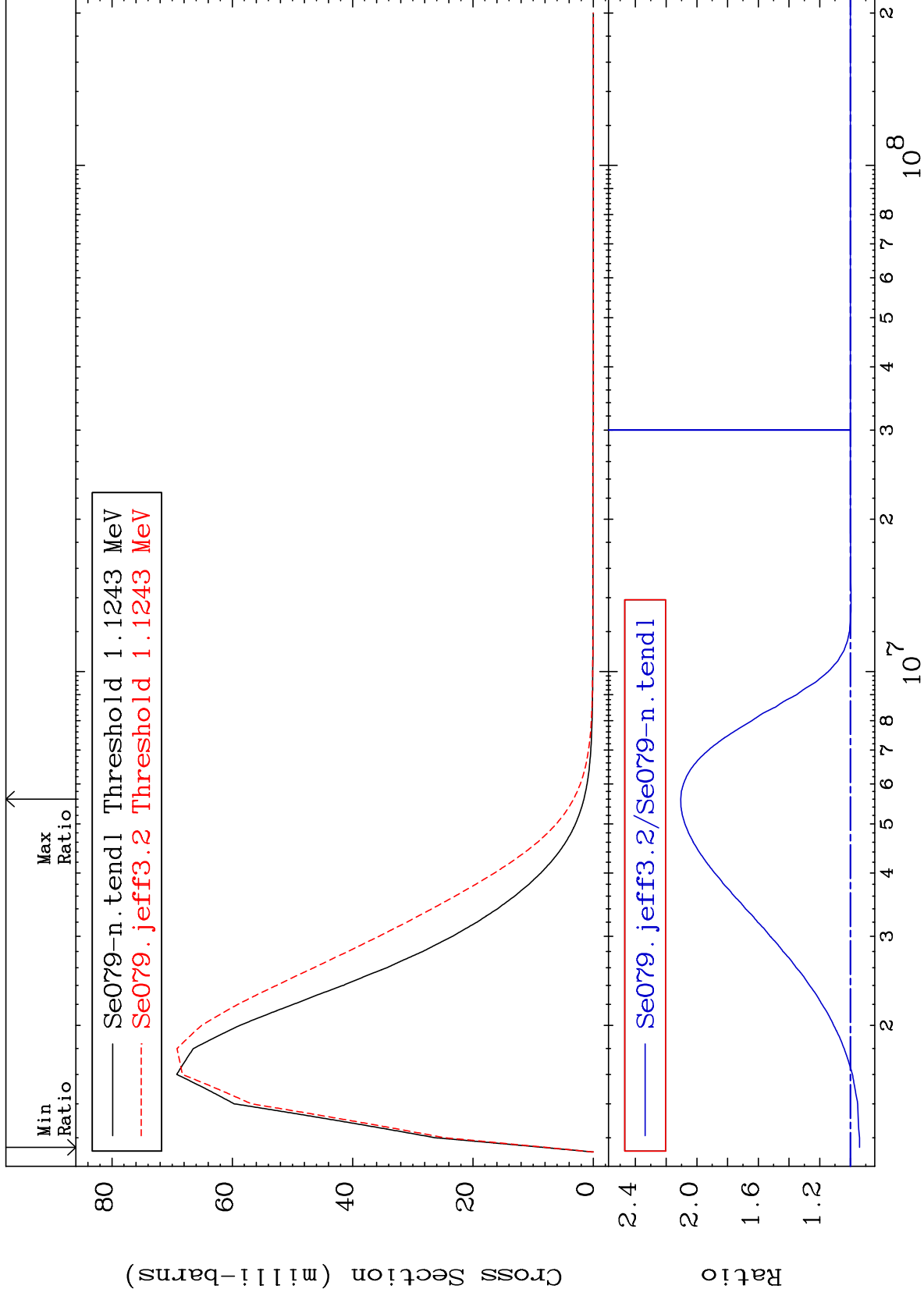
MAT 3440 1.089 MeV (n,n') Level Cross Section 34-Se-79 To 9999. %



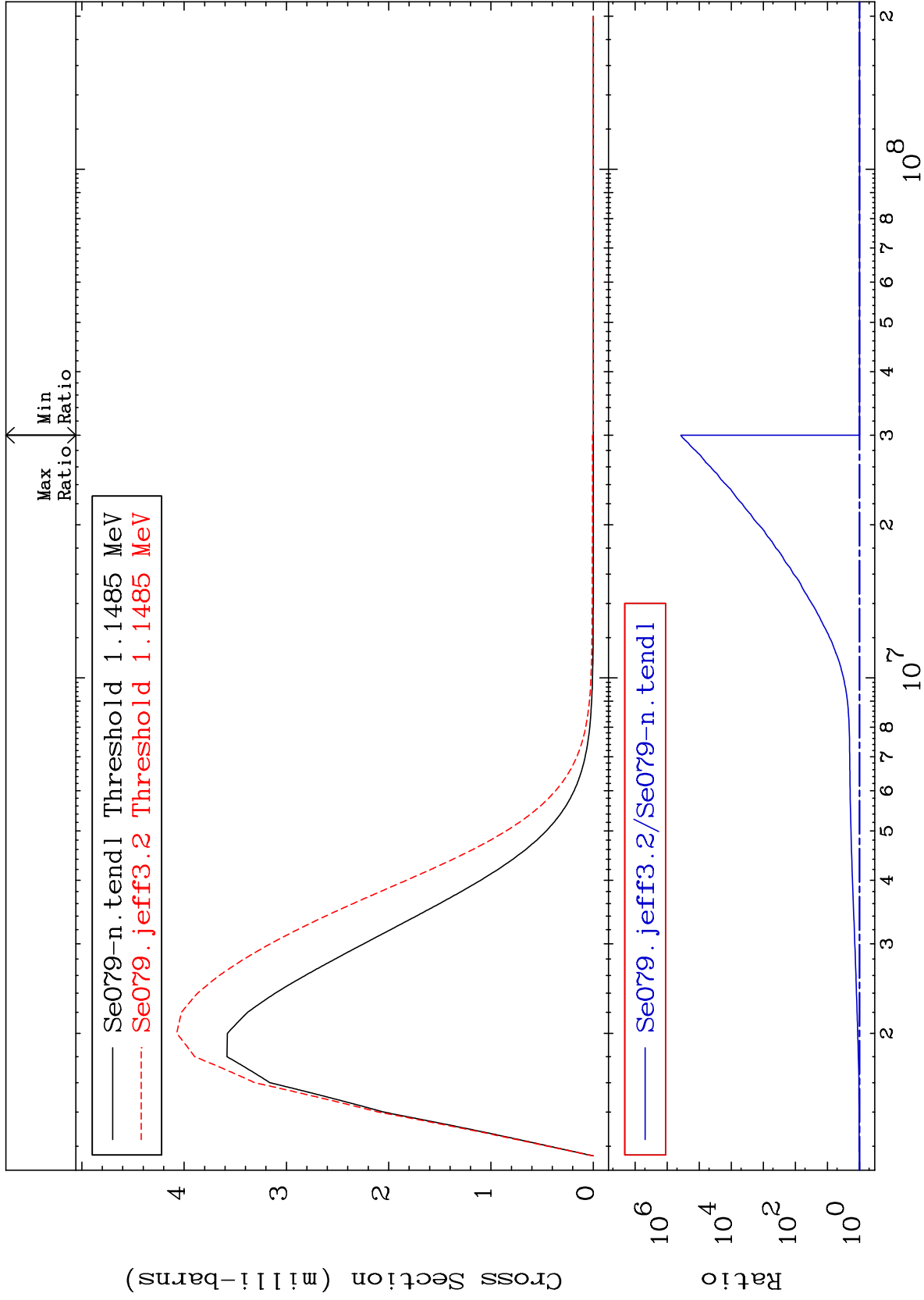
MAT 3440

1.110 MeV (n,n') Level
Cross Section

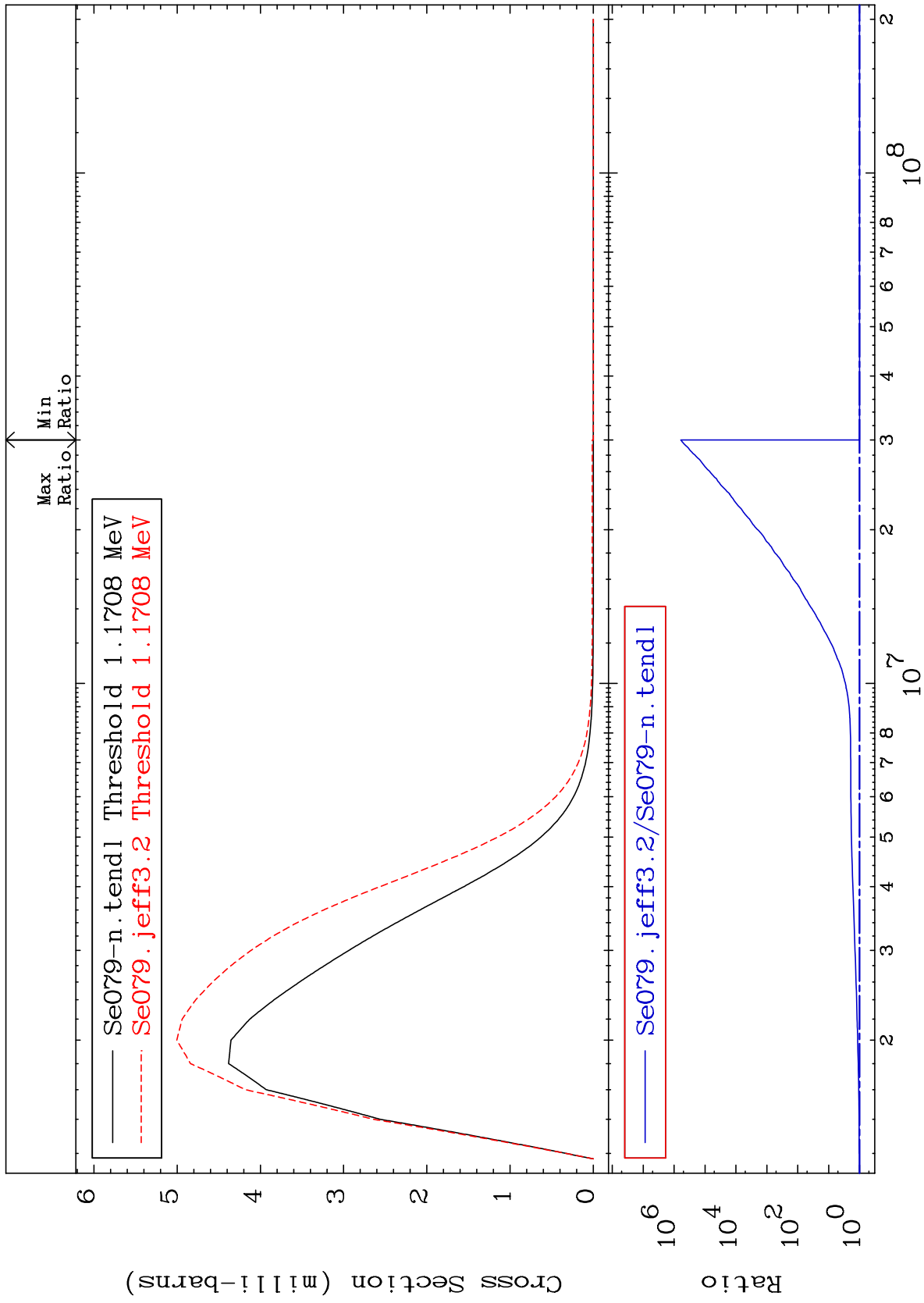
³⁴Se-79
-5.945 To 110.5 %



MAT 3440 1.134 MeV (n,n') Level 34-Se-79
 Cross Section 0.000 To 9999. %



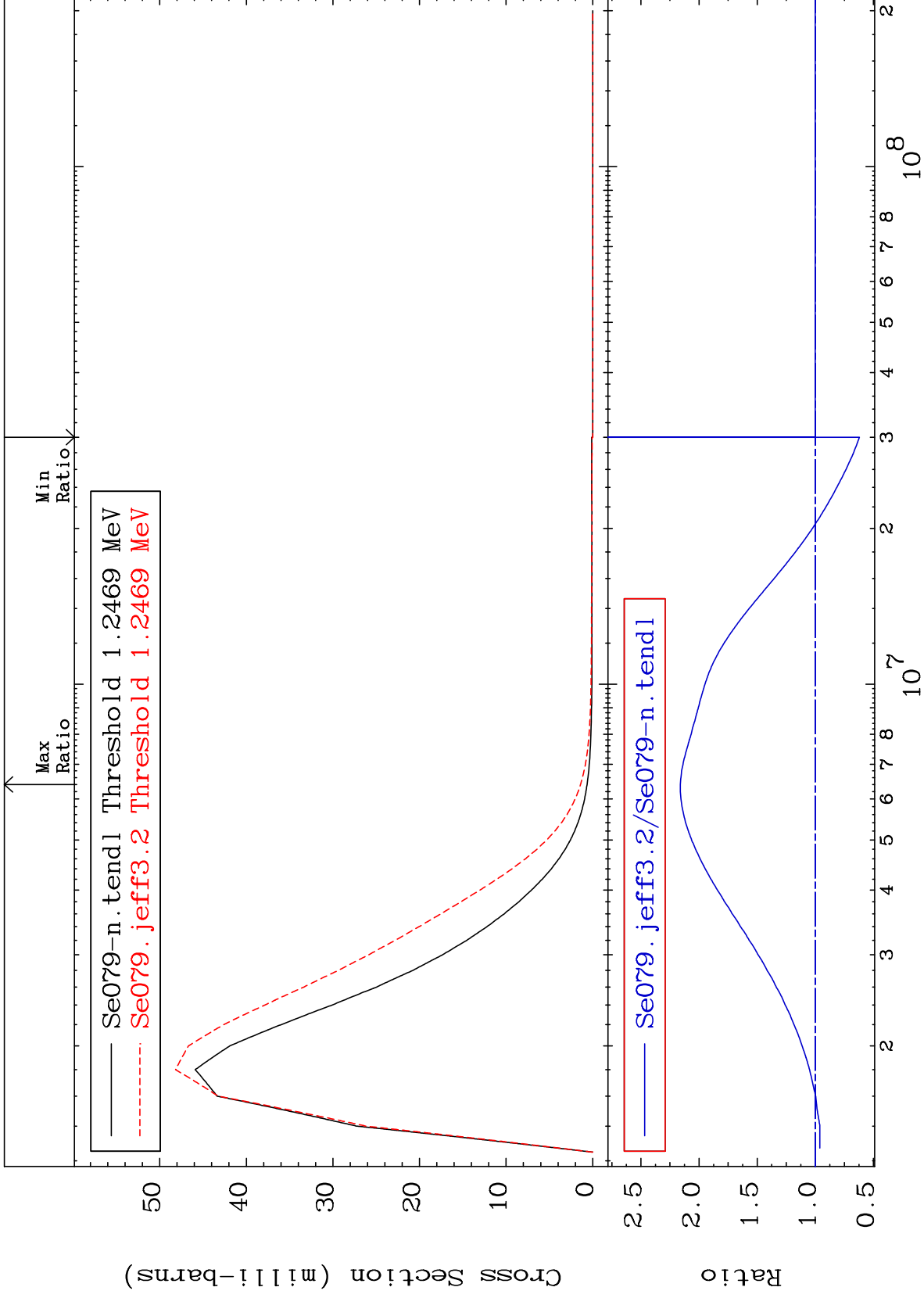
MAT 3440 1.156 MeV (n,n') Level 34-Se-79
 Cross Section To 9999. %



MAT 3440

1.231 MeV (n,n') Level
Cross Section

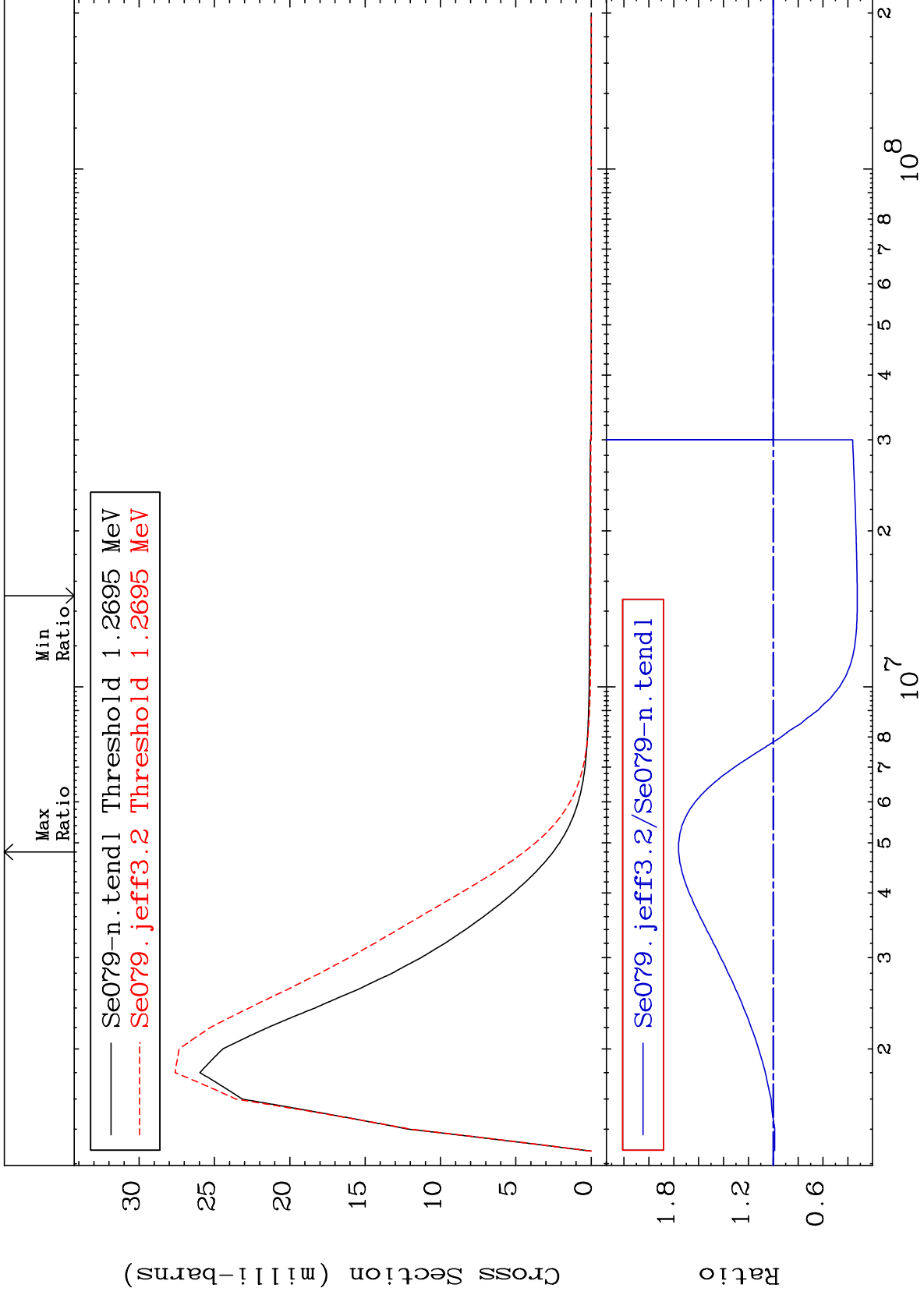
³⁴Se-79
-37.95 To 116.1 %



MAT 3440

1.253 MeV (n,n') Level
Cross Section

³⁴Se-79
-67.53 To 76.07 %



47

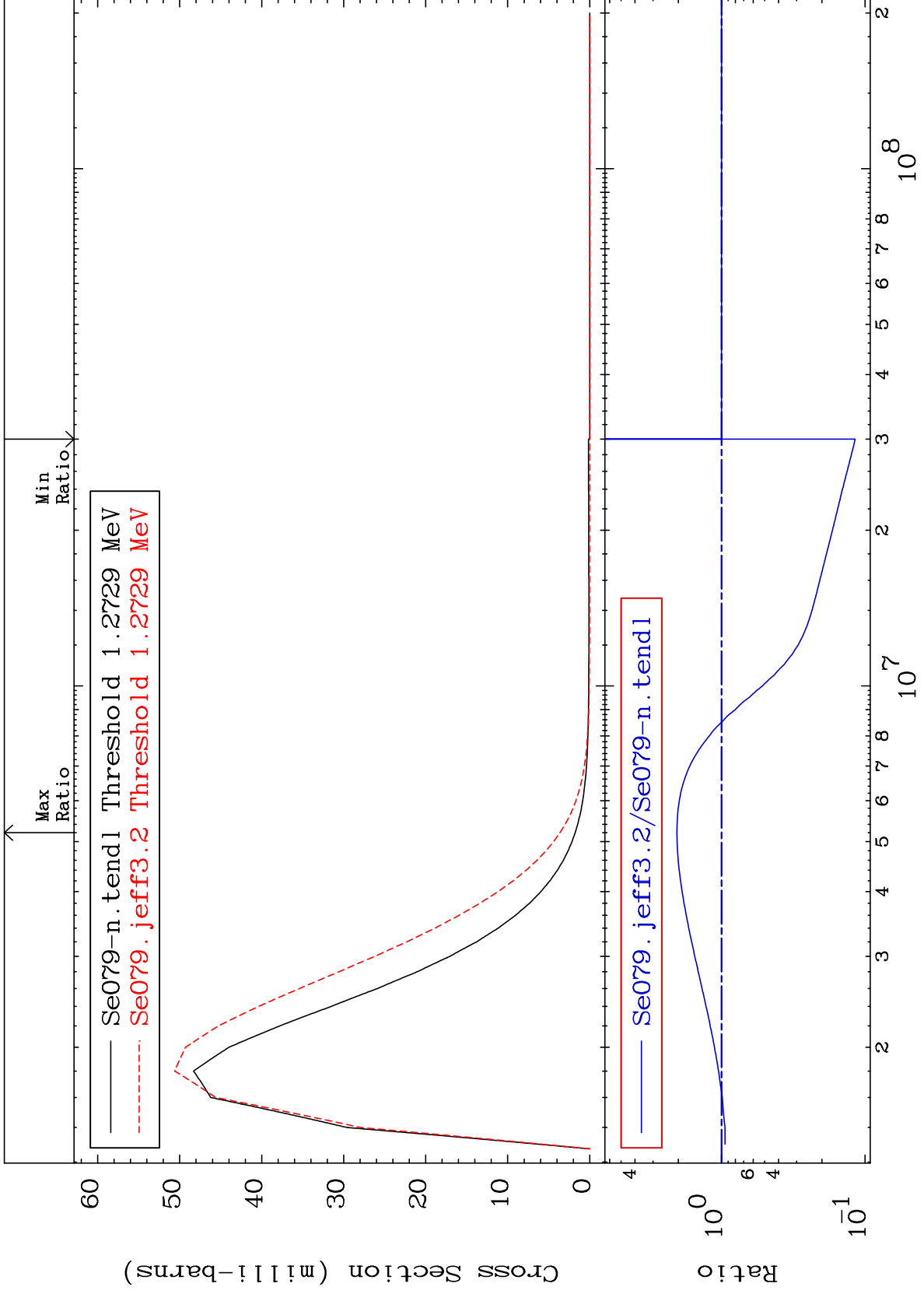
Incident Energy (eV)

³⁴Se-79

MAT 3440

1.257 MeV (n,n') Level
Cross Section

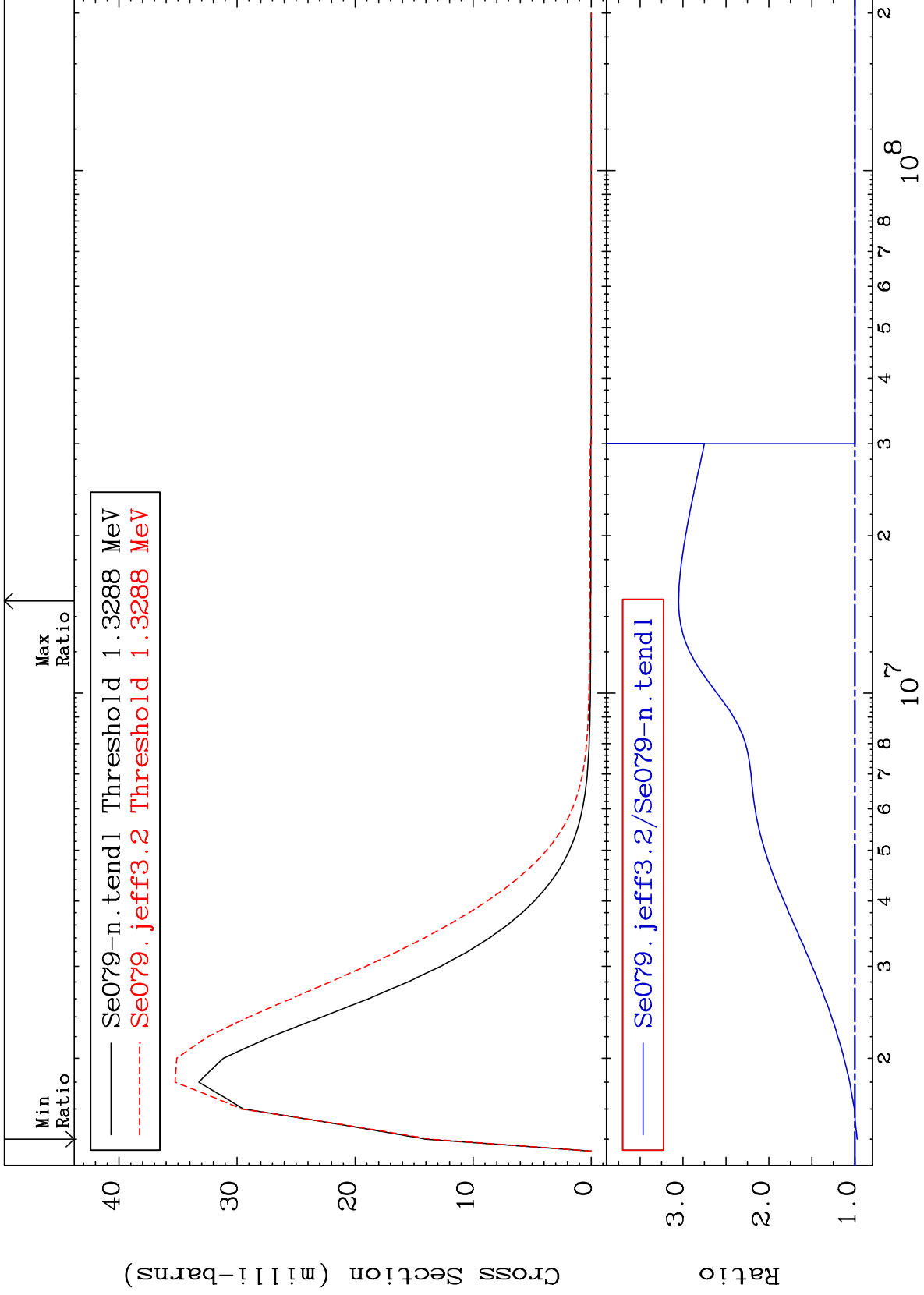
34-Se-79
-88.28 To 104.3 %



MAT 3440

1.312 MeV (n,n') Level
Cross Section

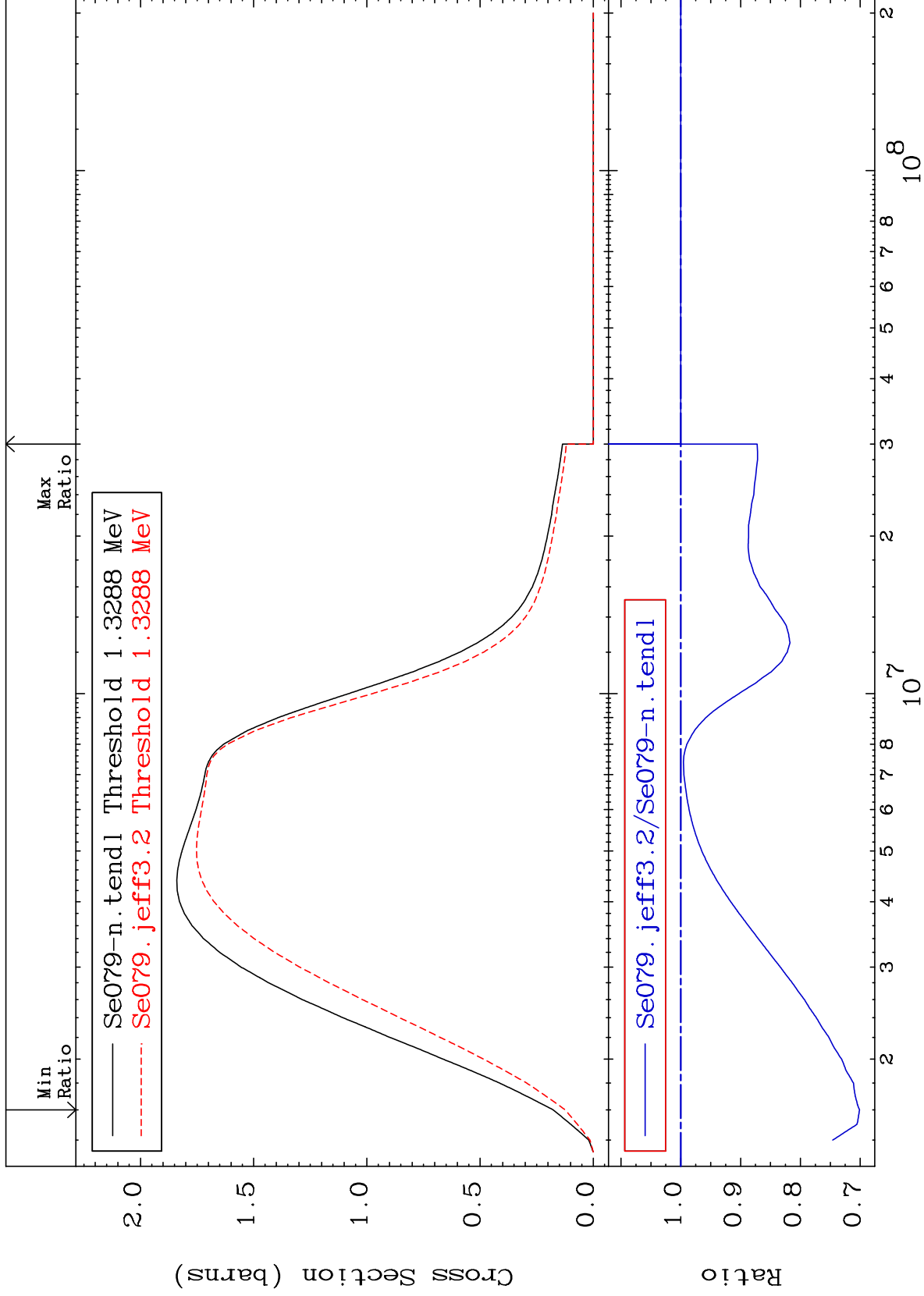
³⁴Se-79
-2.782 To 205.1 %



MAT 3440

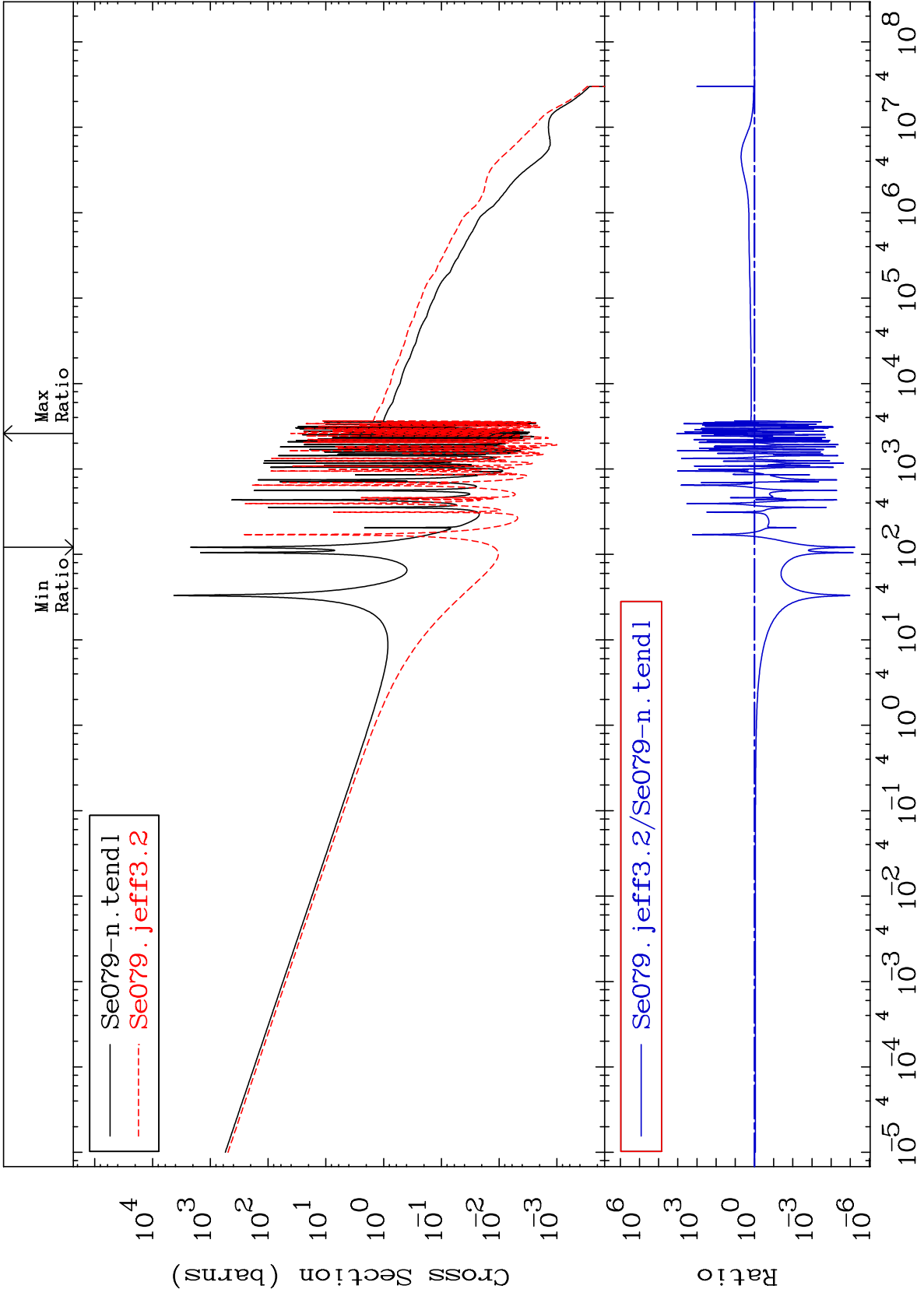
(n, n') Continuum
Cross Section

³⁴Se-79
-29.89 To 0.000 %



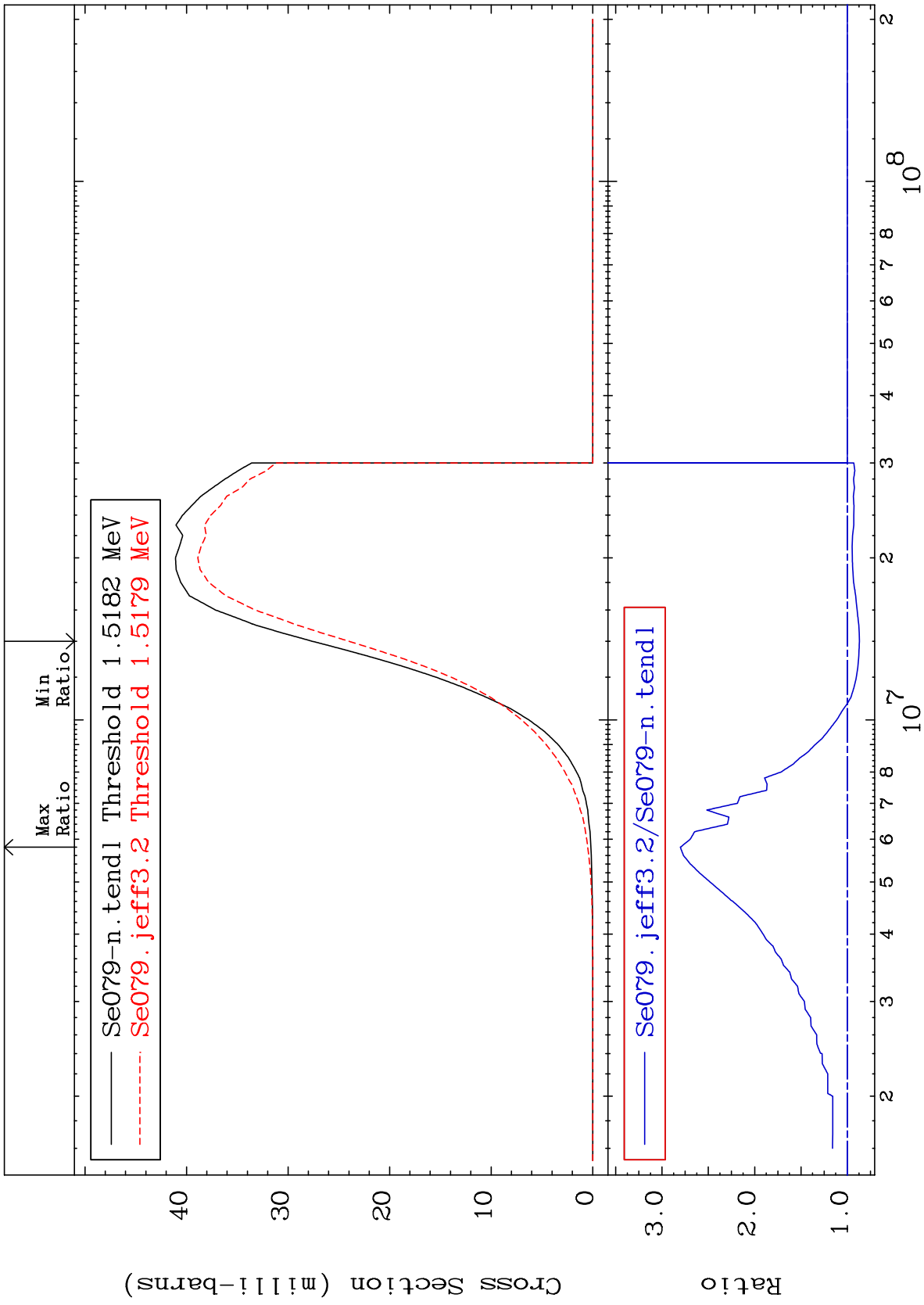
MAT 3440

(n, γ) Cross Section
34-Se-79
-100.0 To 9999. %



MAT 3440

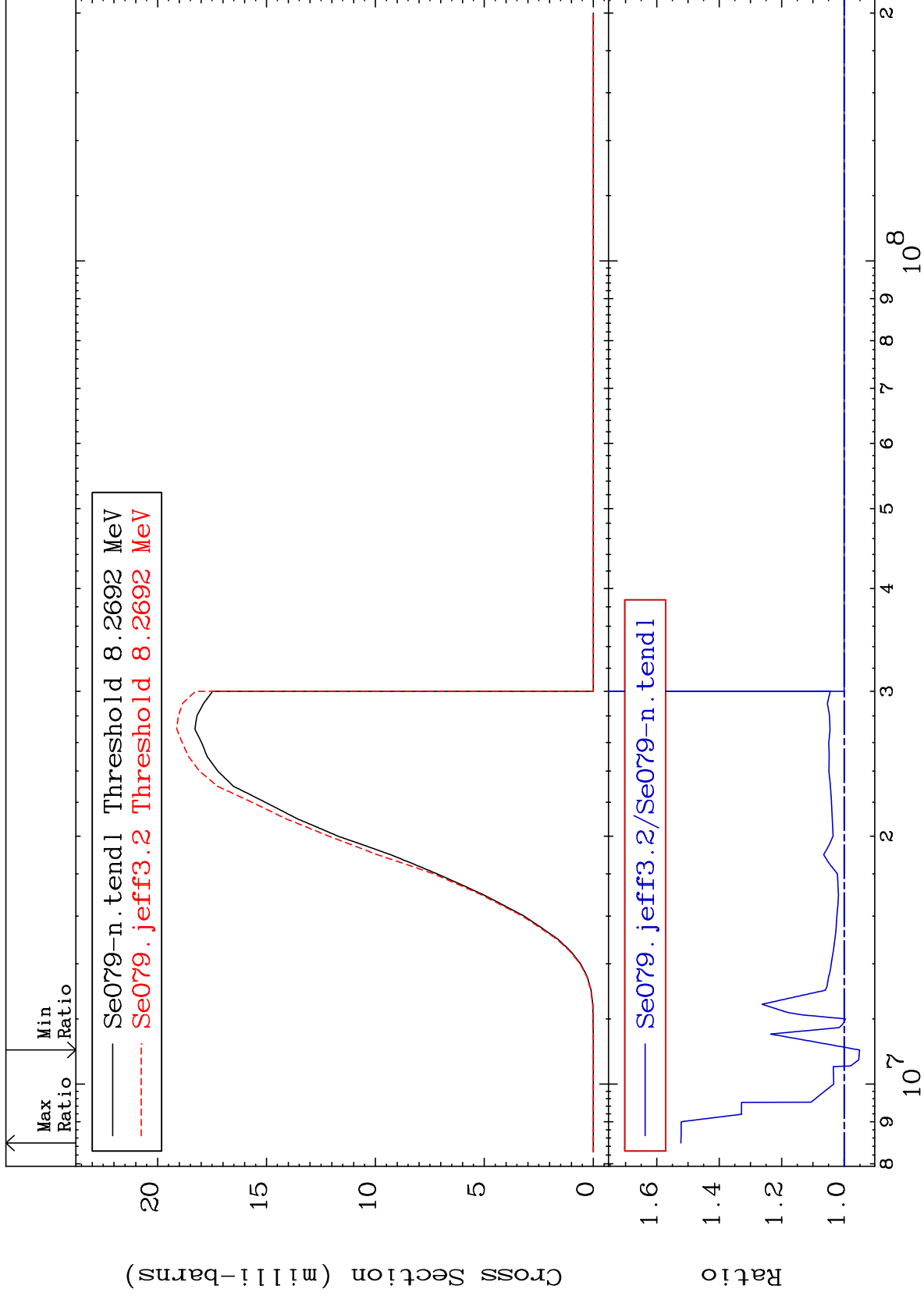
(n,p)
Cross Section
-13.05 To 180.2 %
34-Se-79



MAT 3440

(n, d)
Cross Section

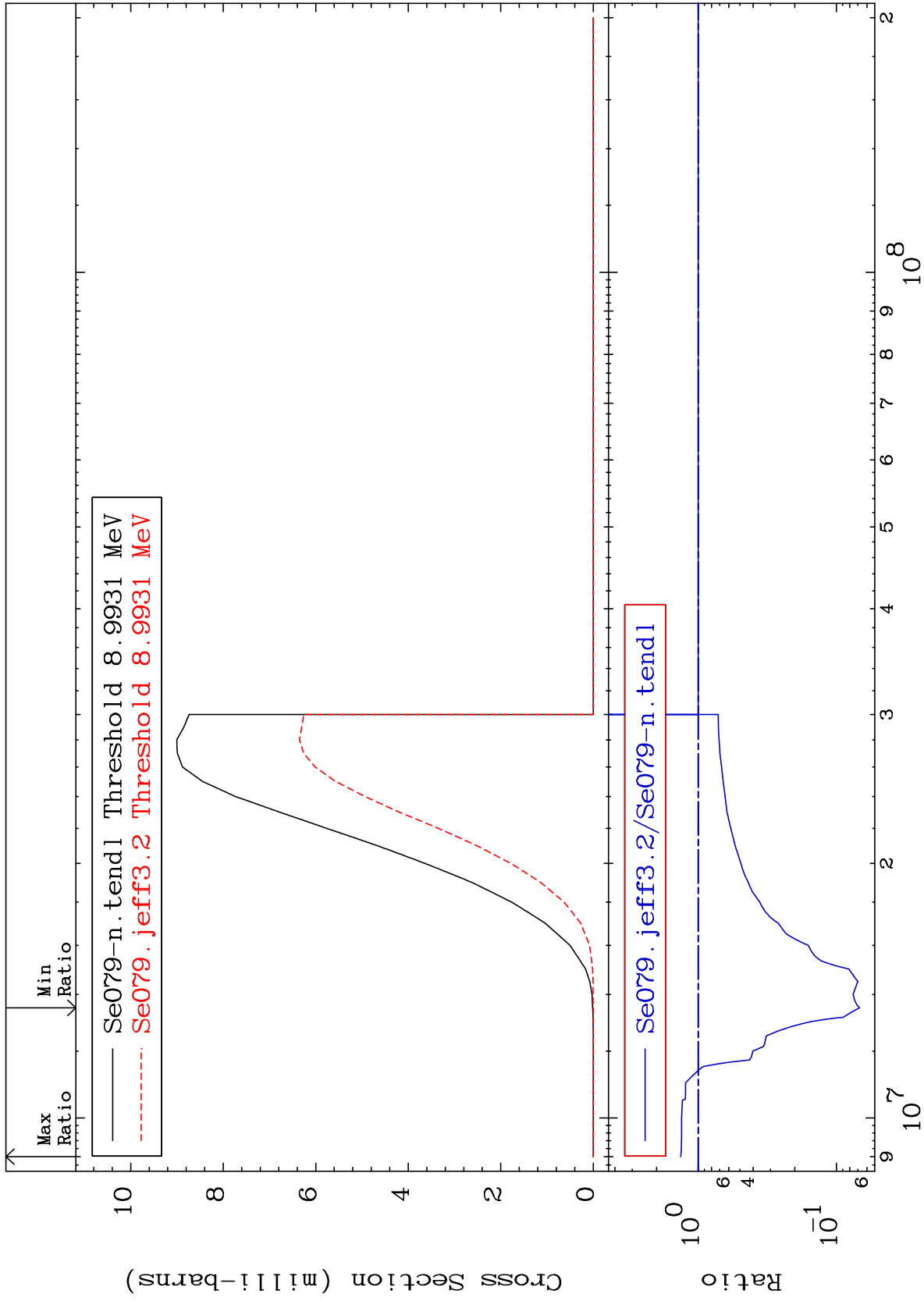
³⁴Se-79
-4.900 To 52.32 %



MAT 3440

(n, t)
Cross Section

³⁴Se-79
-93.19 To 33.49 %



54

Incident Energy (eV)

³⁴Se-79

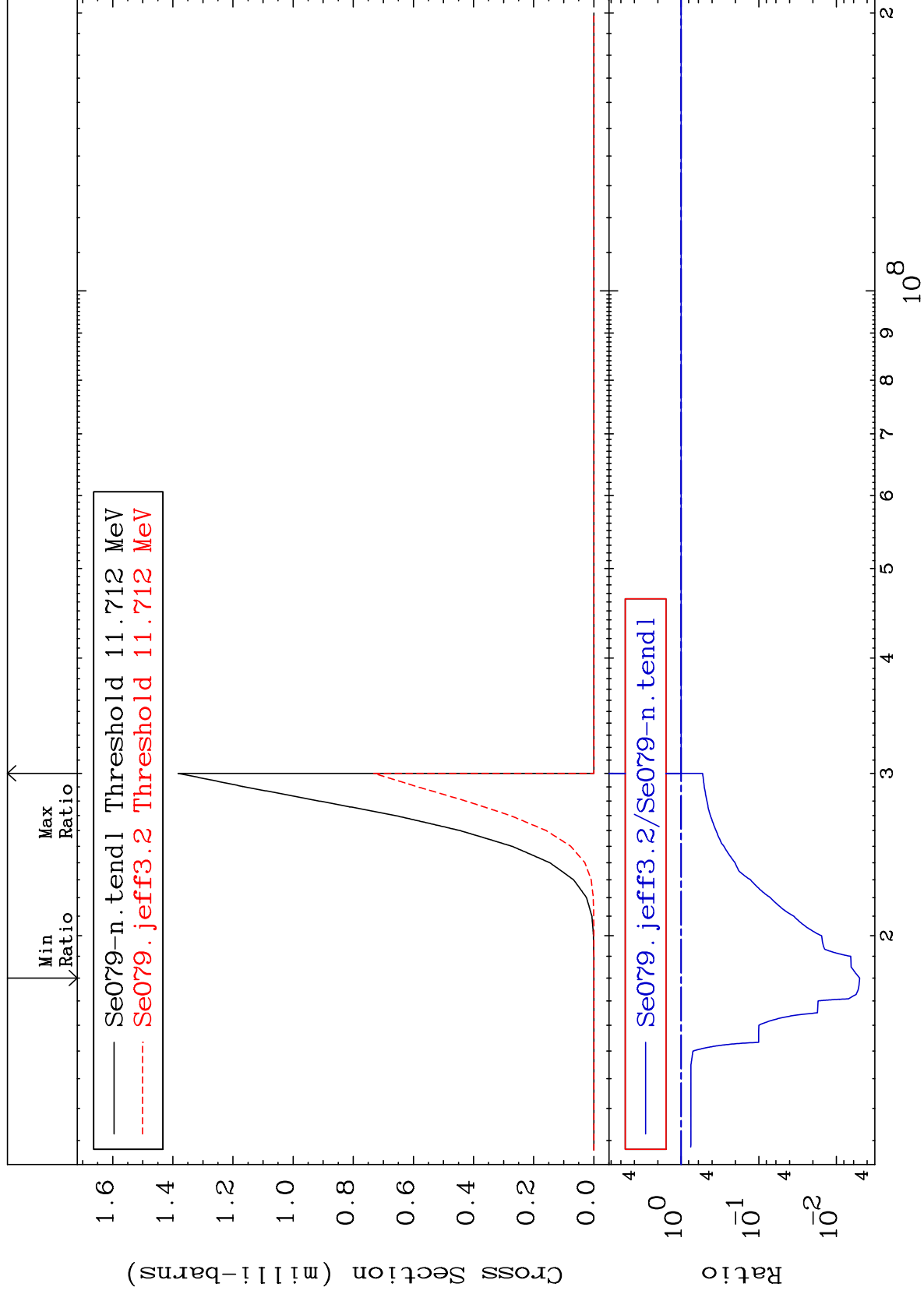
MAT 3440

(n, He-3)

³⁴Se-79

Cross Section

-99.50 To 0.000 %



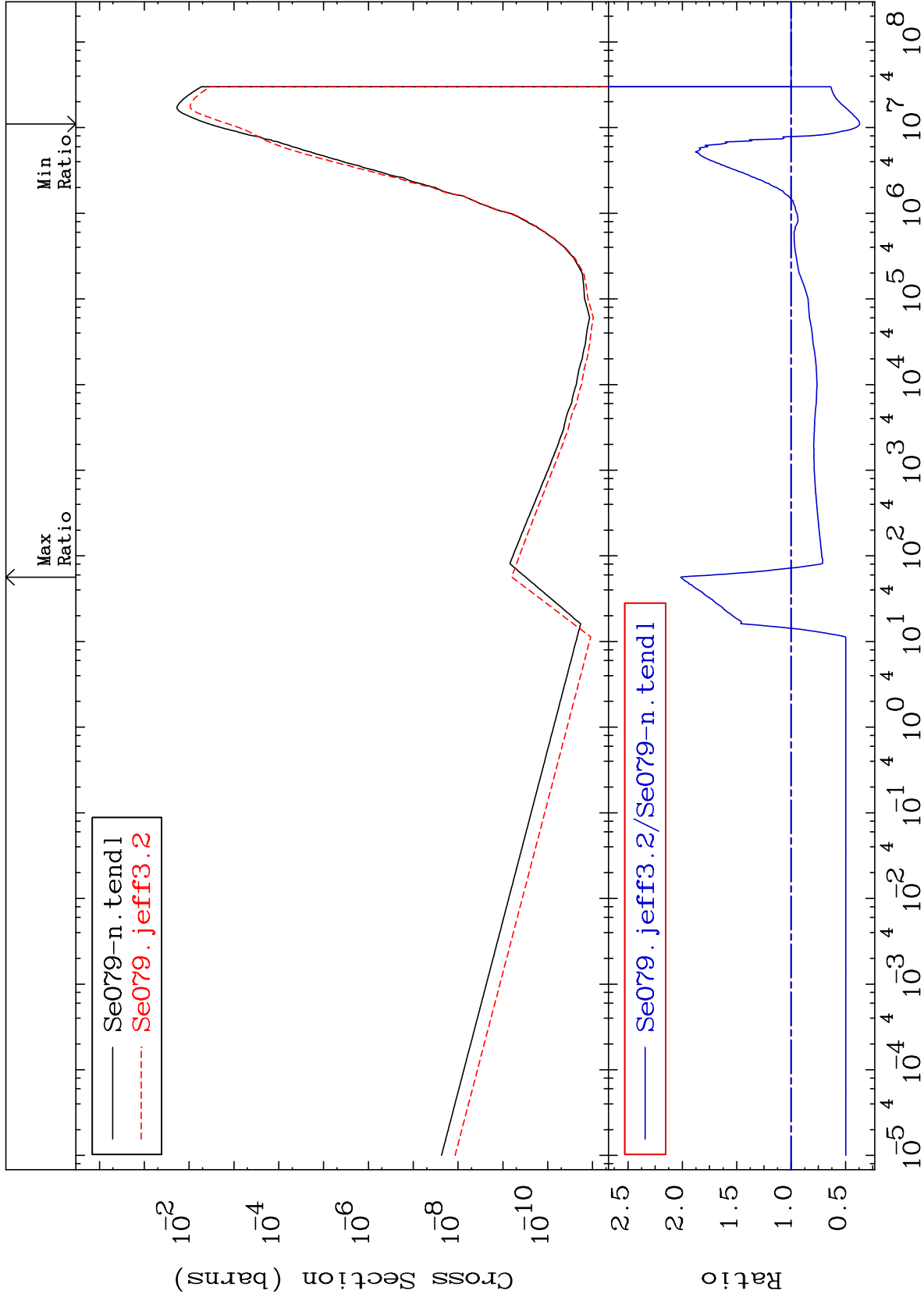
MAT 3440

(n, α)

³⁴Se-79

Cross Section

-62.89 To 101.5 %



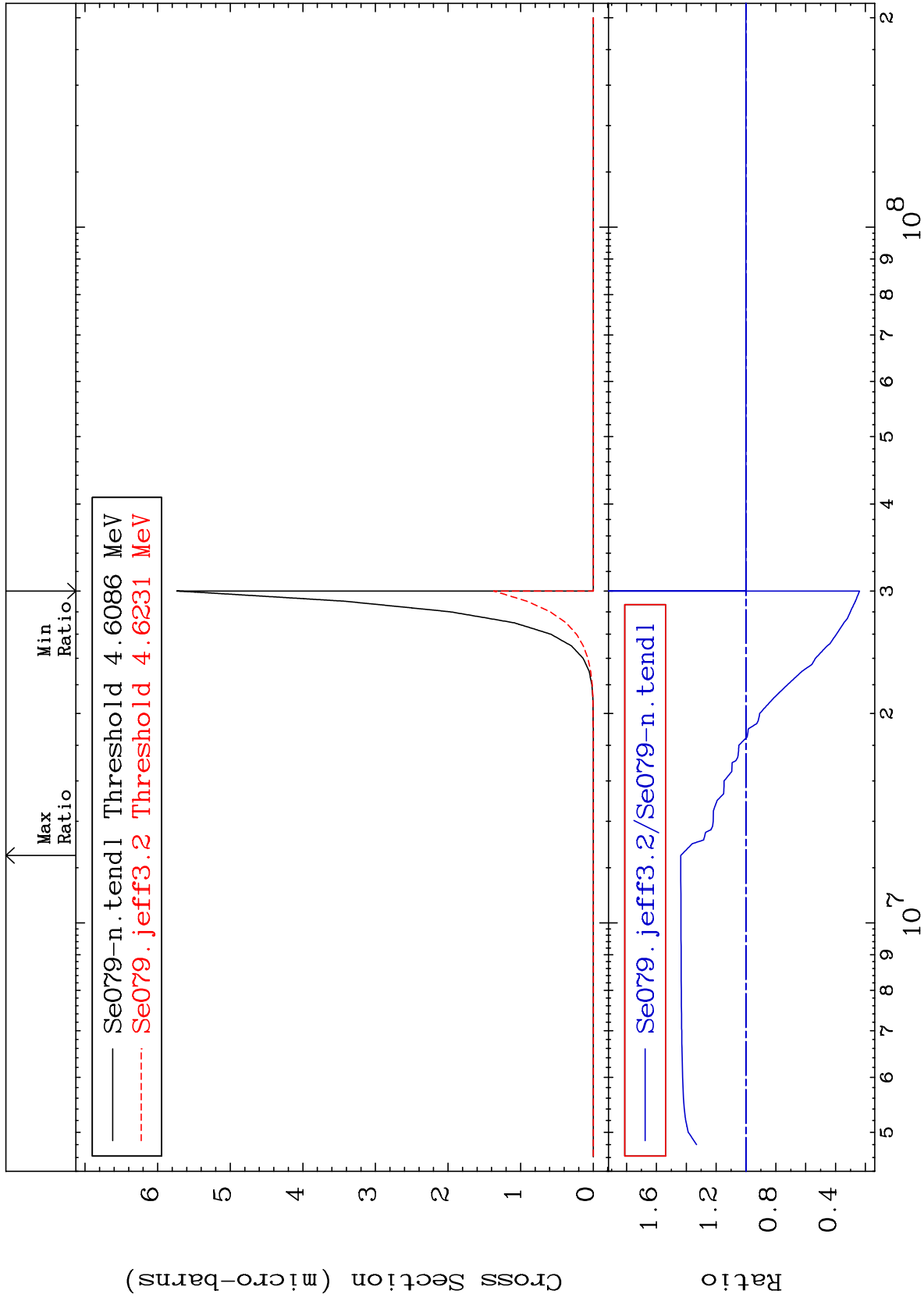
MAT 3440

(n, 2α)

³⁴Se-79

Cross Section

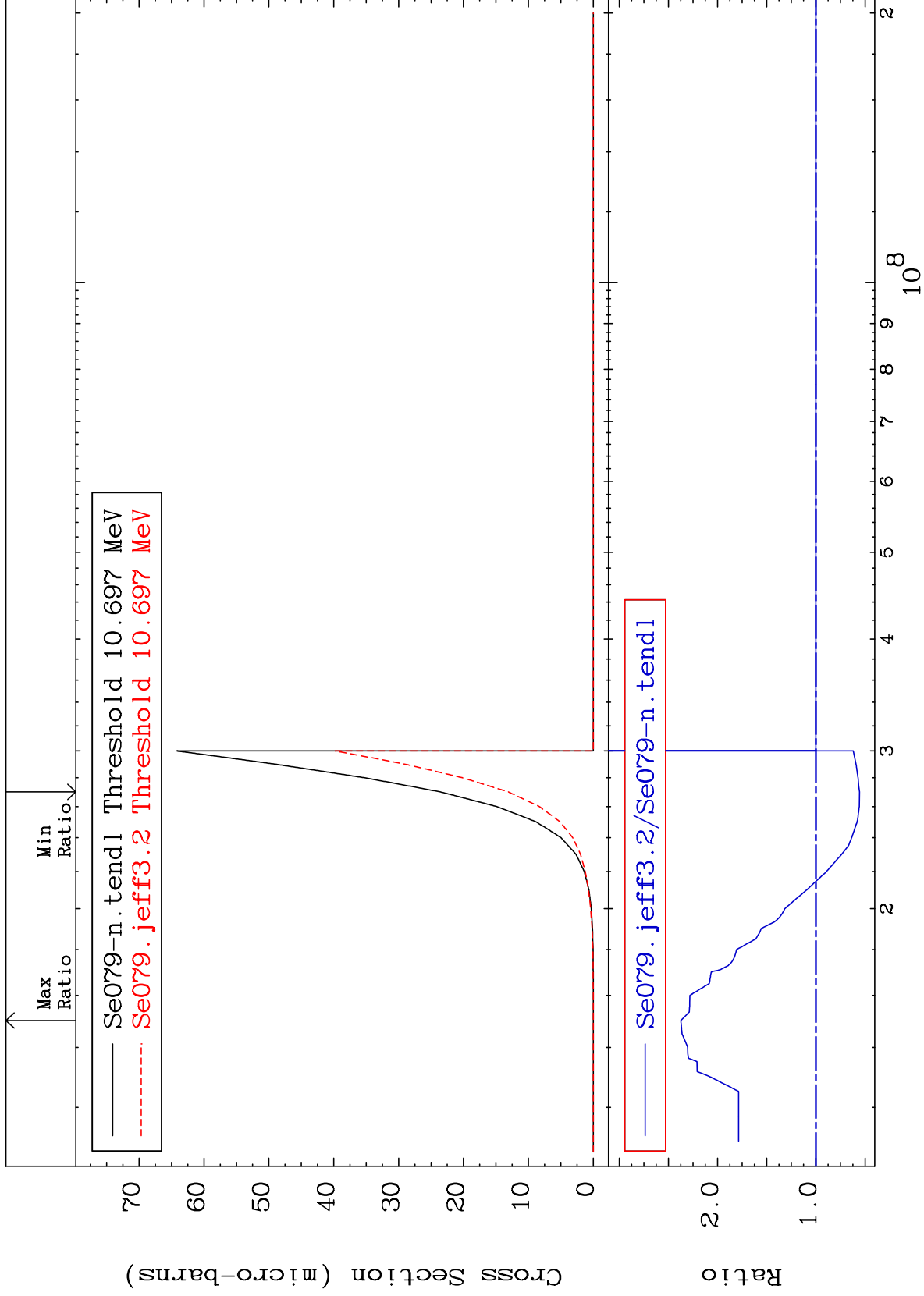
-76.07 To 43.67 %



MAT 3440

(n,2p)
Cross Section

³⁴Se-79
-44.39 To 137.5 %



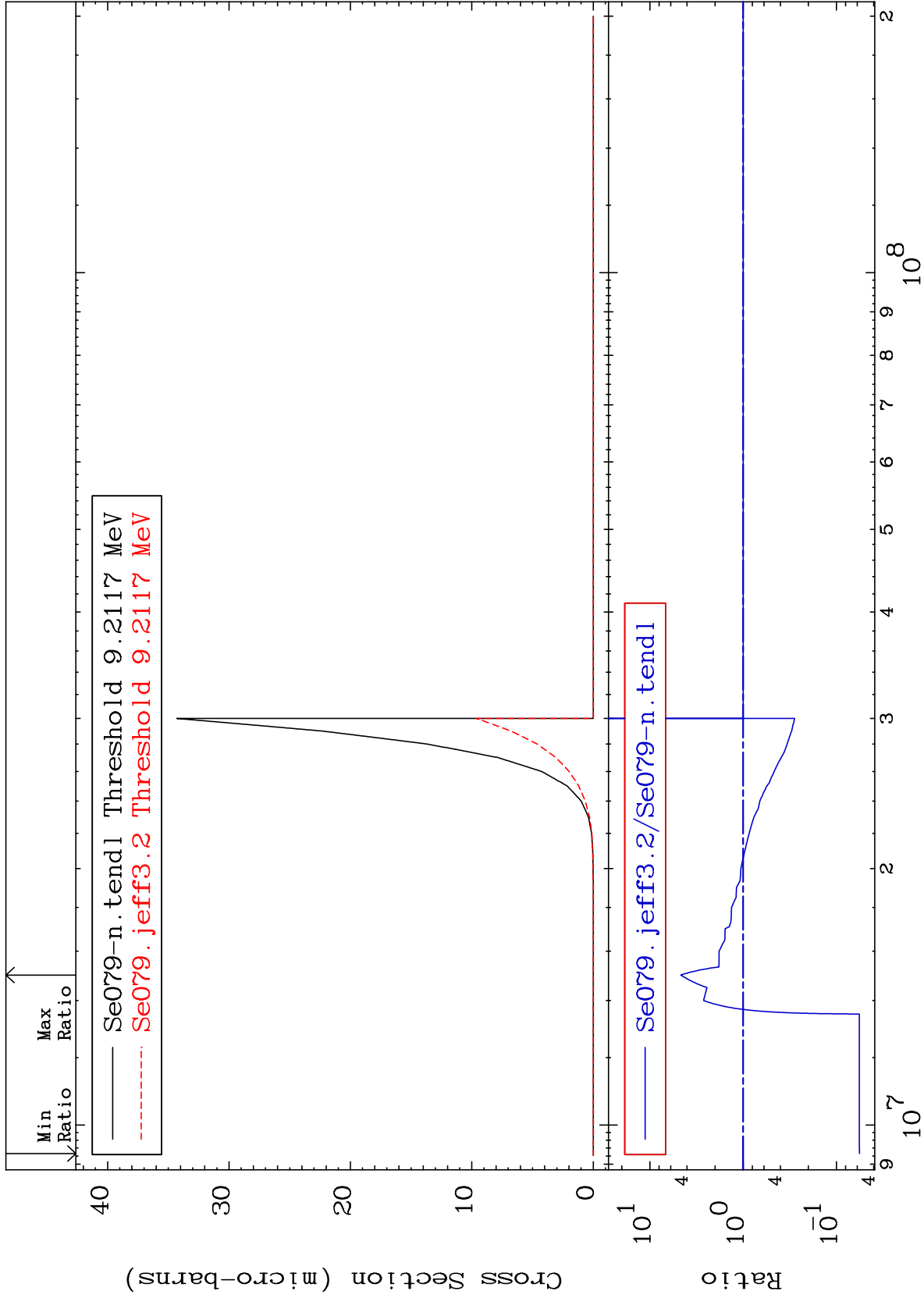
MAT 3440

(n, p) α

³⁴Se-79

Cross Section

-94.34 To 367.2 %



59

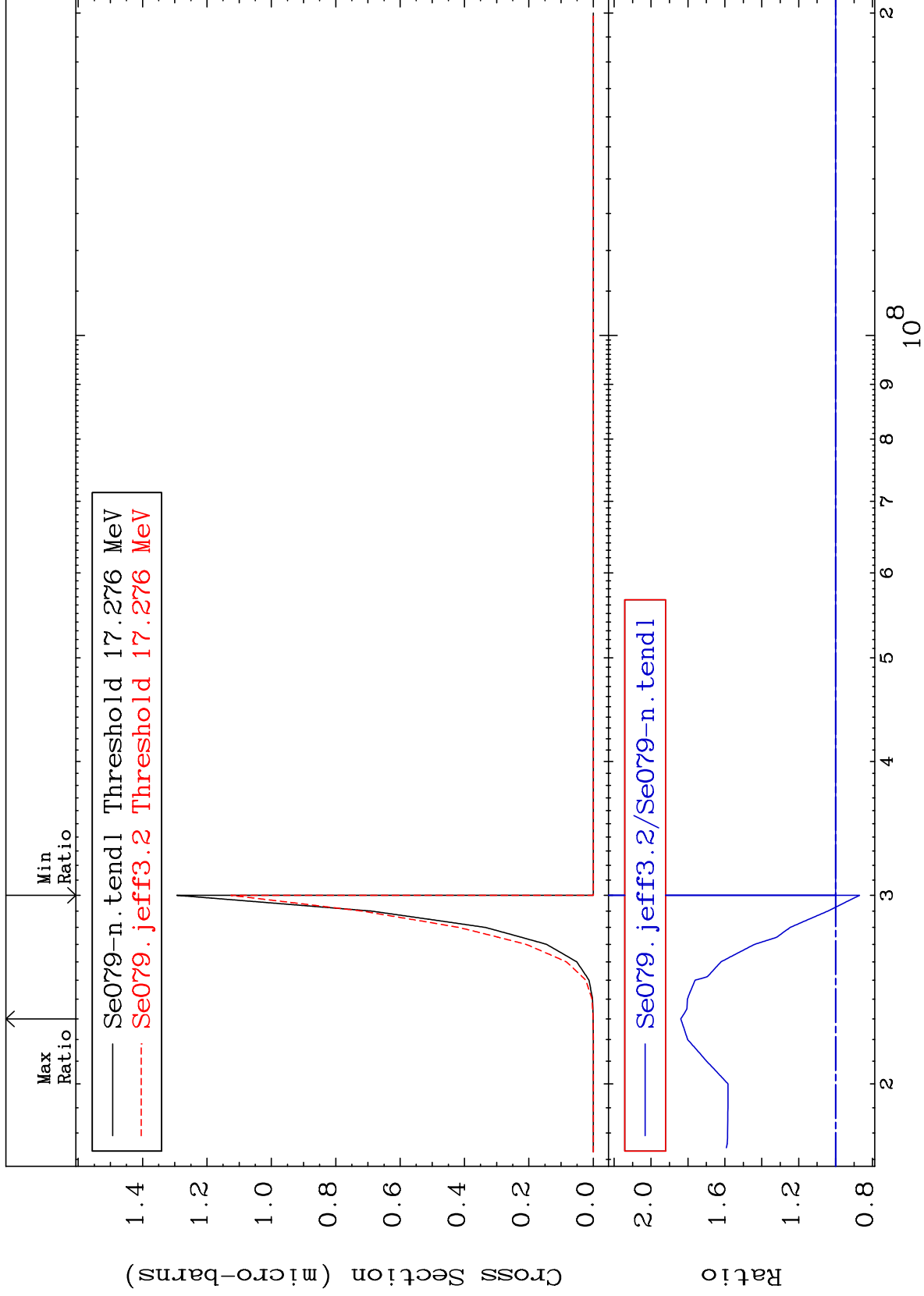
Incident Energy (eV)

³⁴Se-79

MAT 3440

(n,p) d
Cross Section

³⁴Se-79
-12.99 To 83.90 %



60

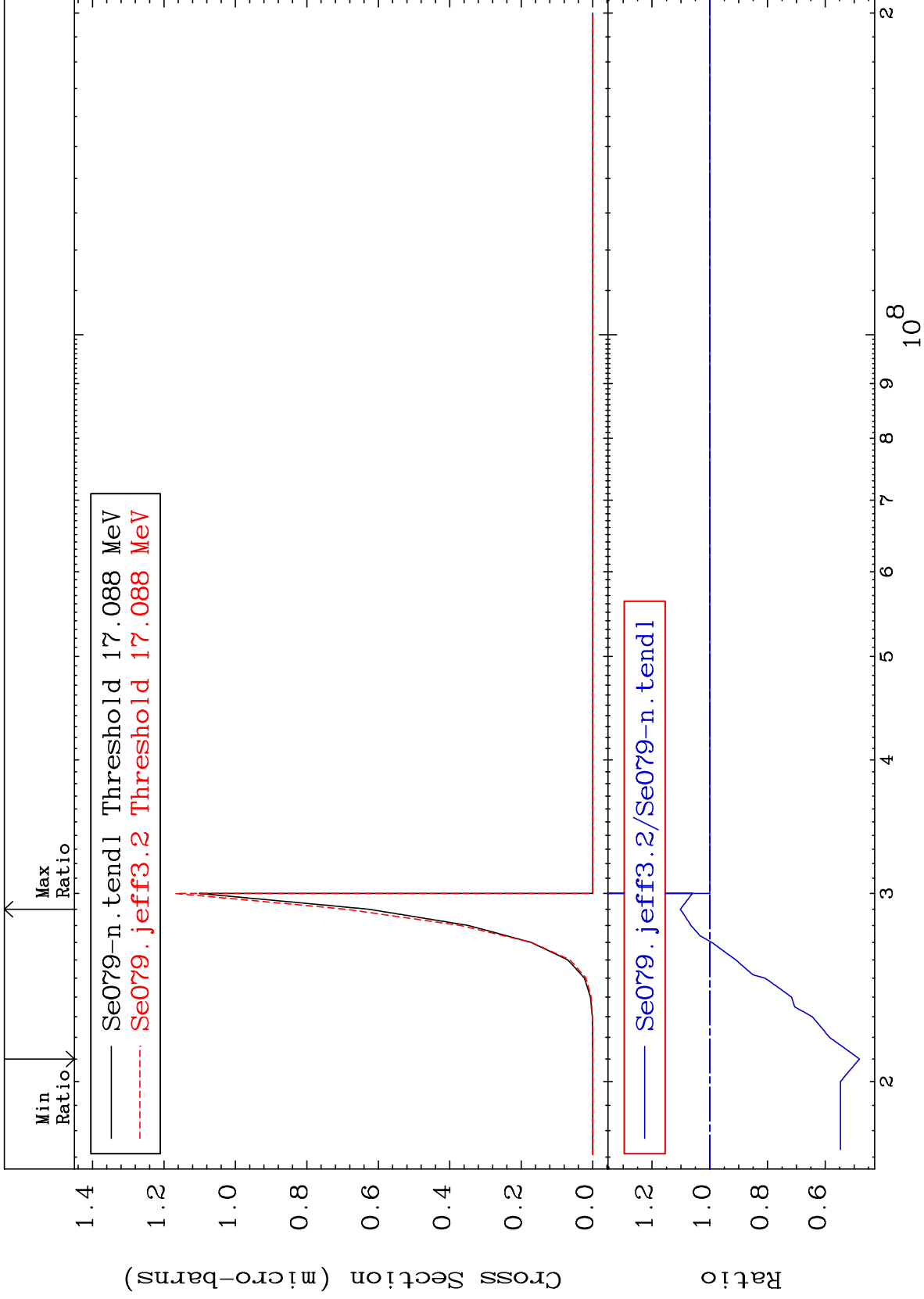
Incident Energy (eV)

³⁴Se-79

MAT 3440

(n,p) t
Cross Section

³⁴Se-79
-51.83 To 10.19 %



61

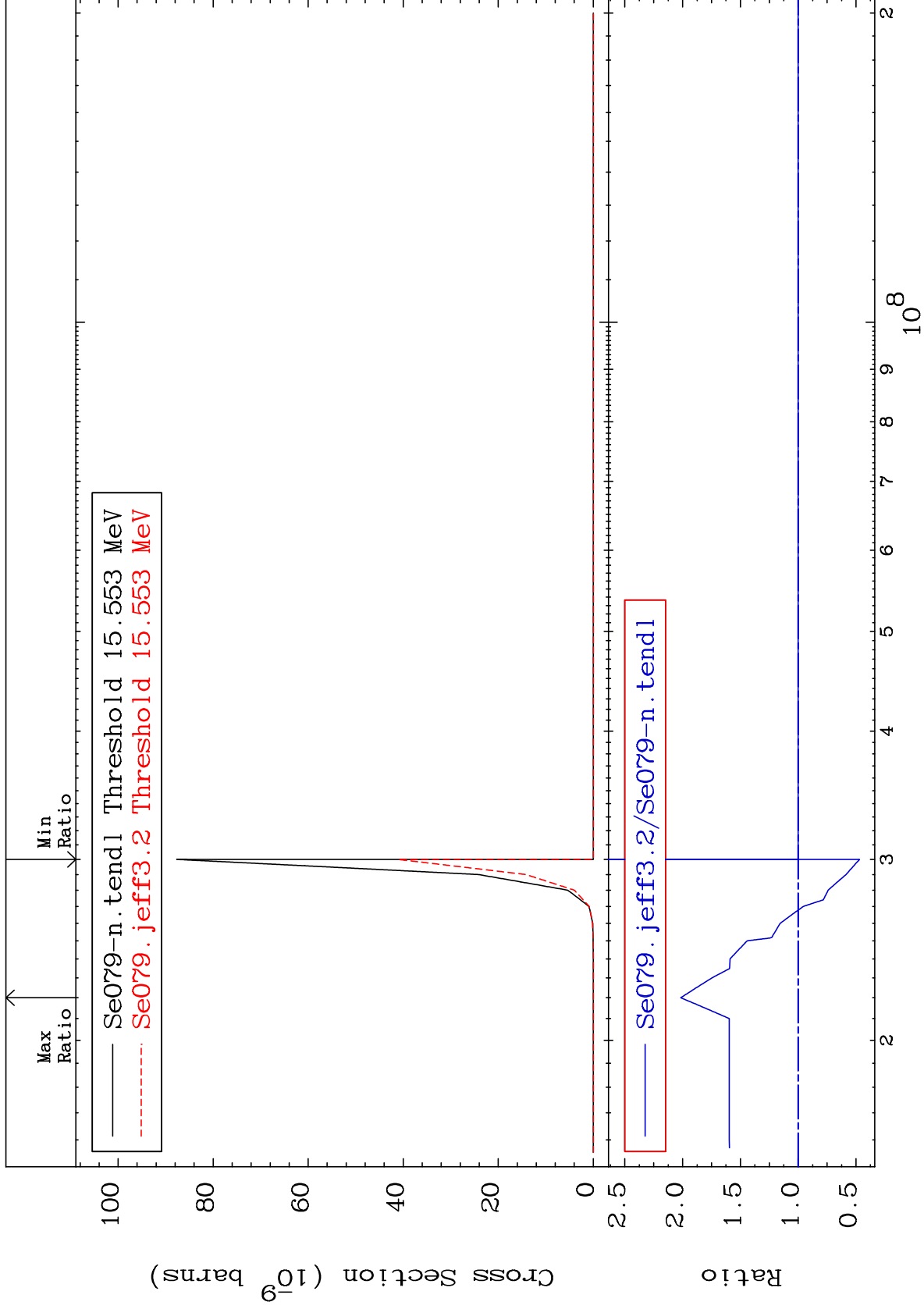
Incident Energy (eV)

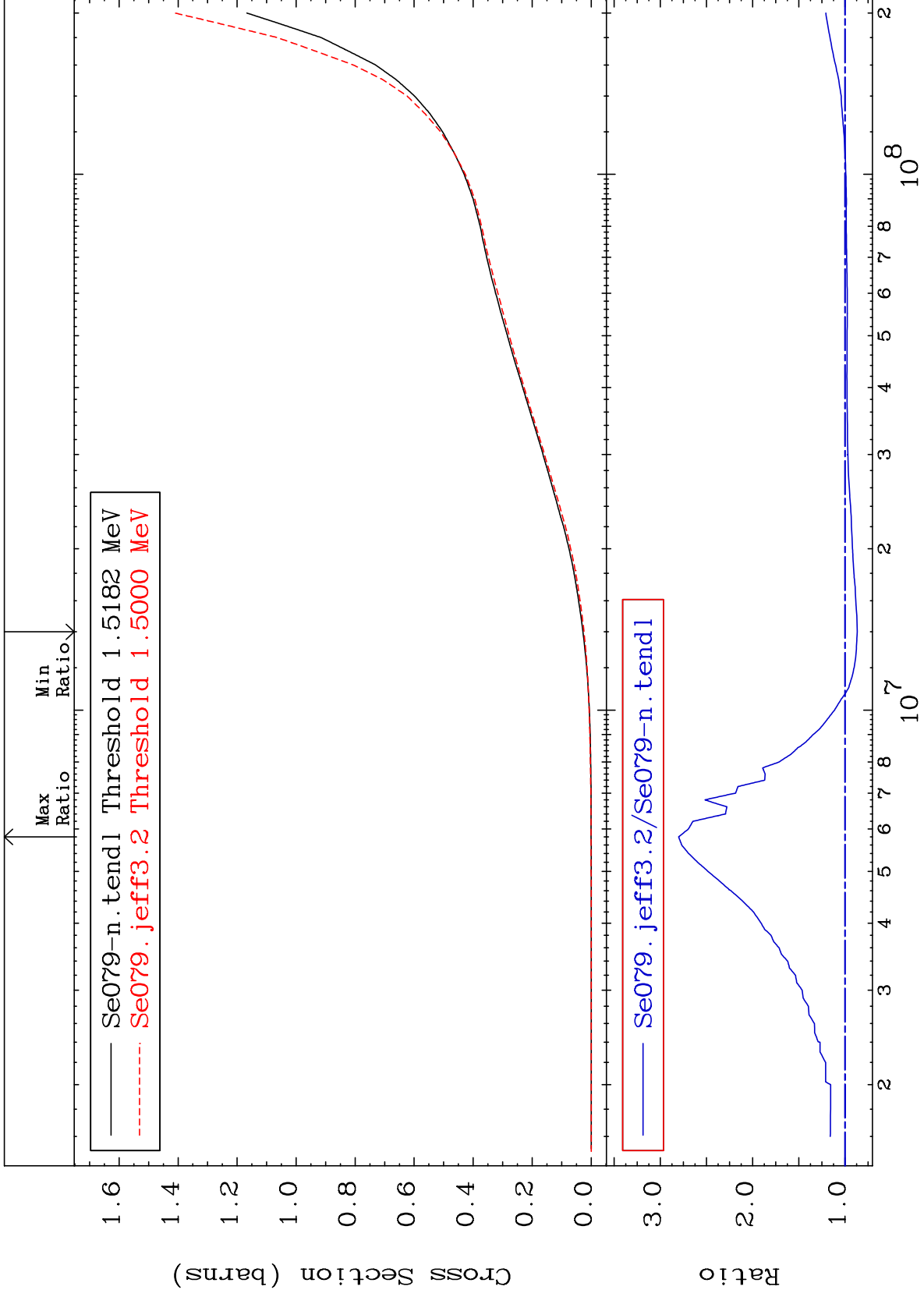
³⁴Se-79

MAT 3440

(n, d) α
Cross Section

³⁴Se-79
-53.05 To 101.6 %

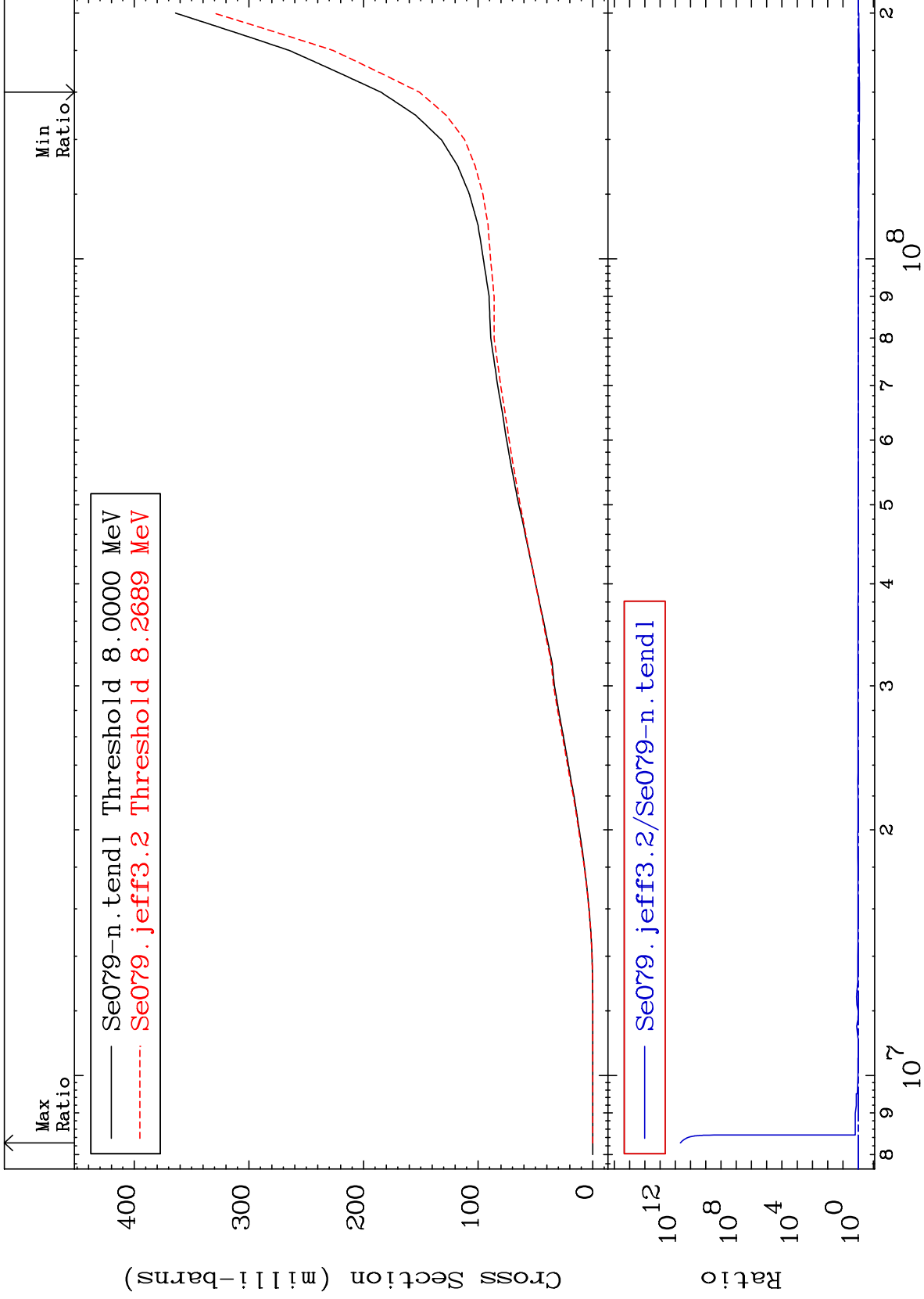




MAT 3440

Deuterium Production
Cross Section

³⁴Se-79
-18.23 To 9999. %



64

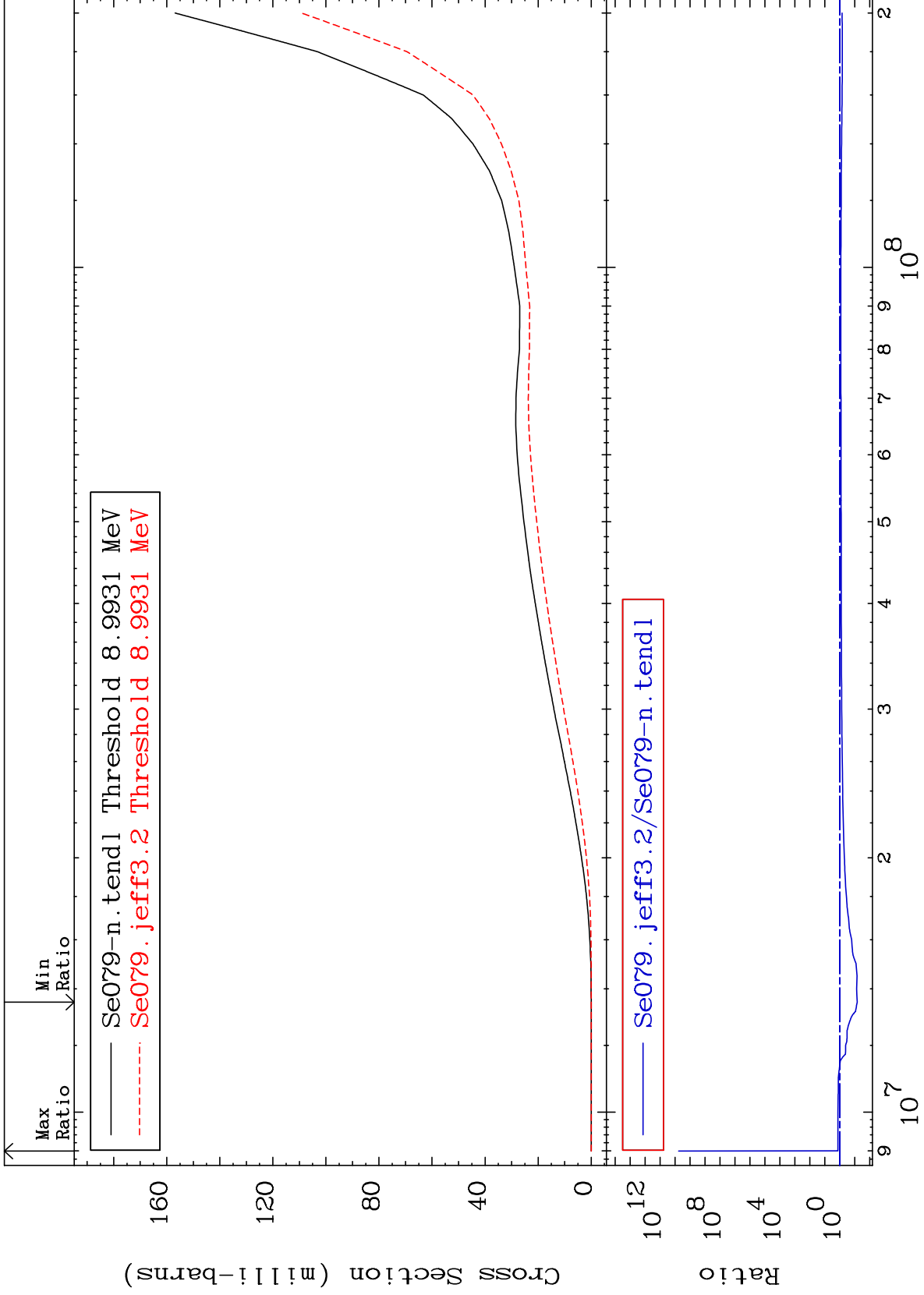
Incident Energy (eV)

³⁴Se-79

MAT 3440

Tritium Production
Cross Section

³⁴Se-79
-93.19 To 9999. %



65

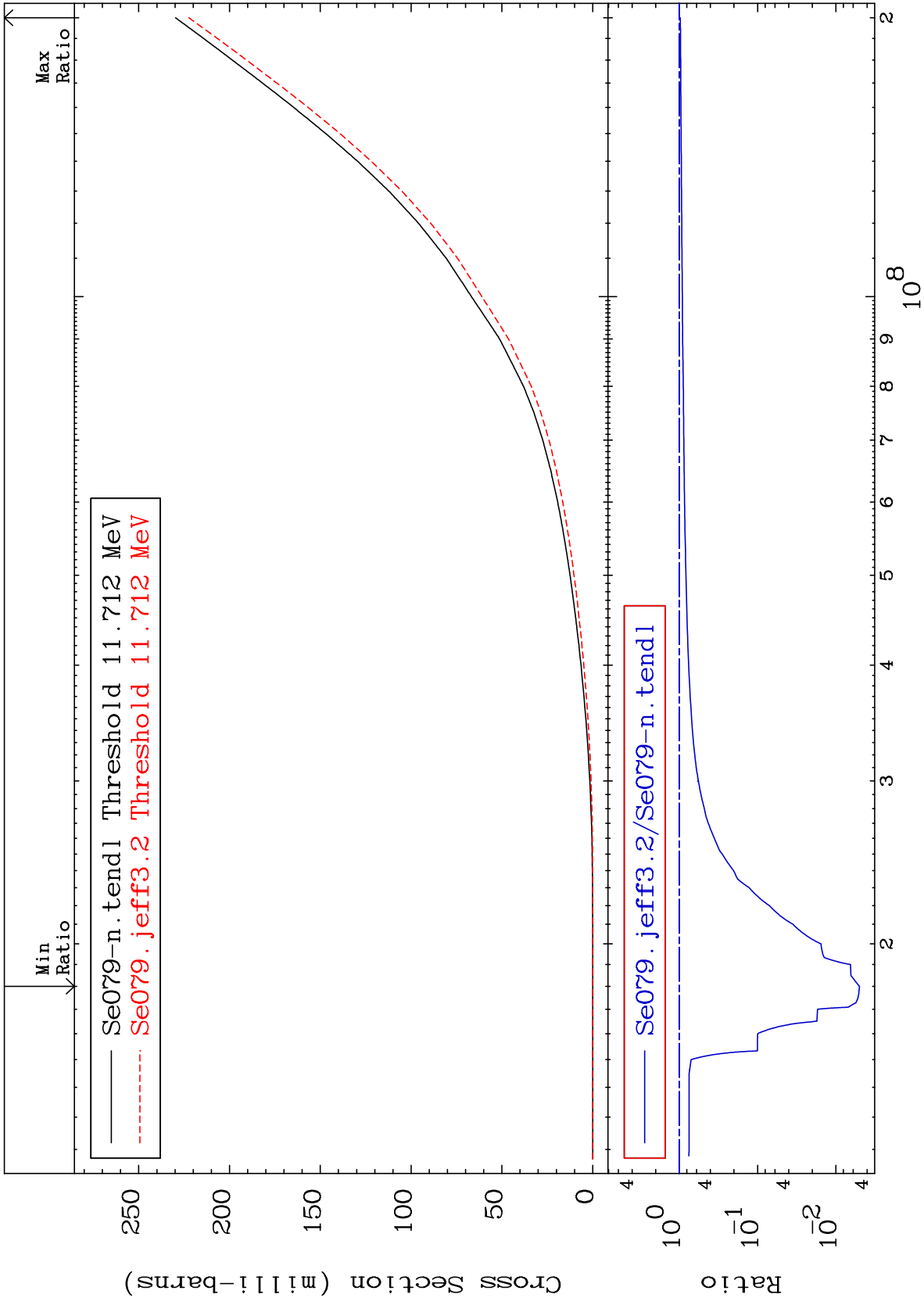
Incident Energy (eV)

³⁴Se-79

MAT 3440

He-3 Production
Cross Section

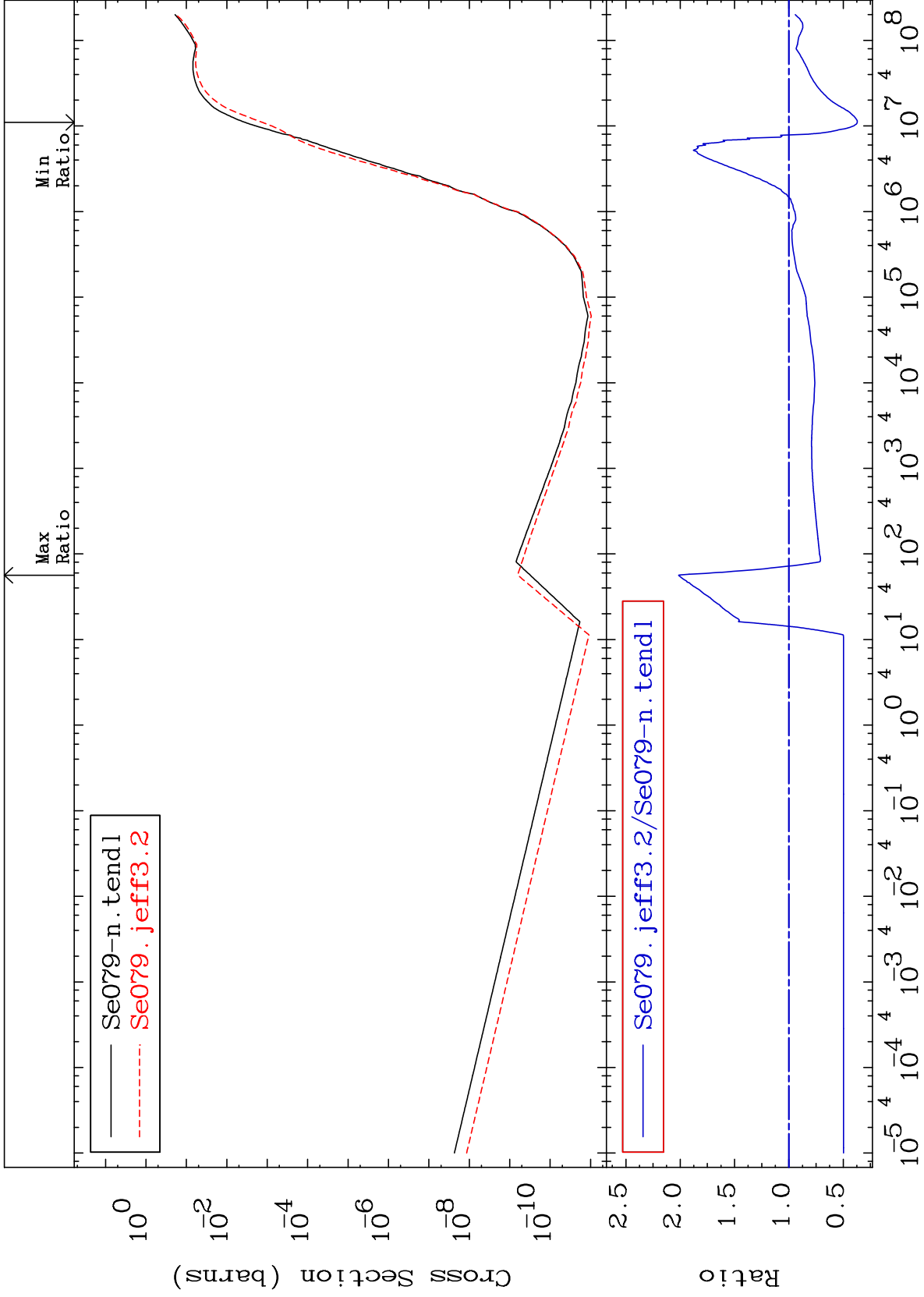
³⁴Se-79
-99.50 To -3.198%



MAT 3440

He-4 Production
Cross Section

³⁴Se-79
-62.89 To 101.5 %



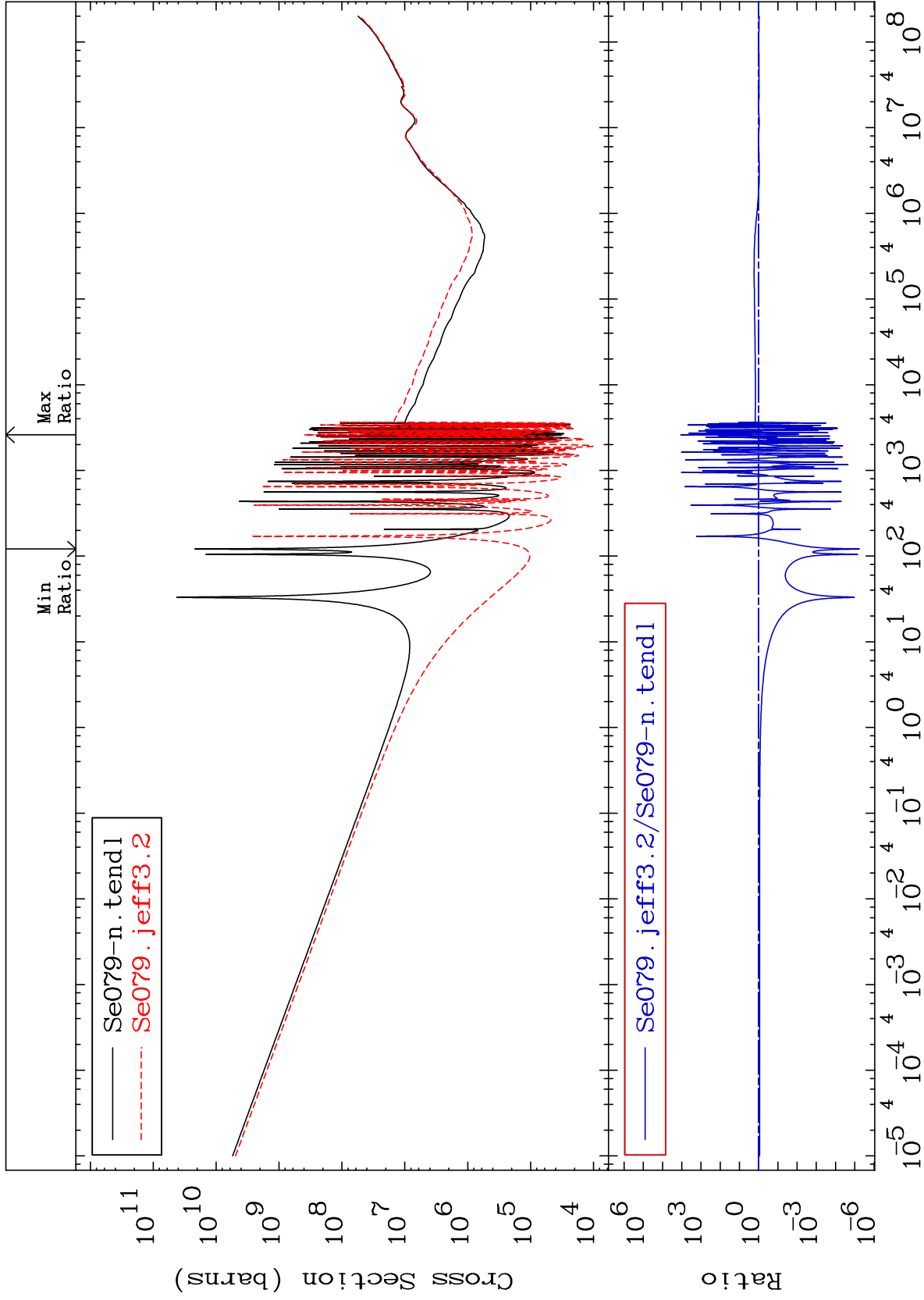
67

Incident Energy (eV)

³⁴Se-79

-100.0 To 9999. %

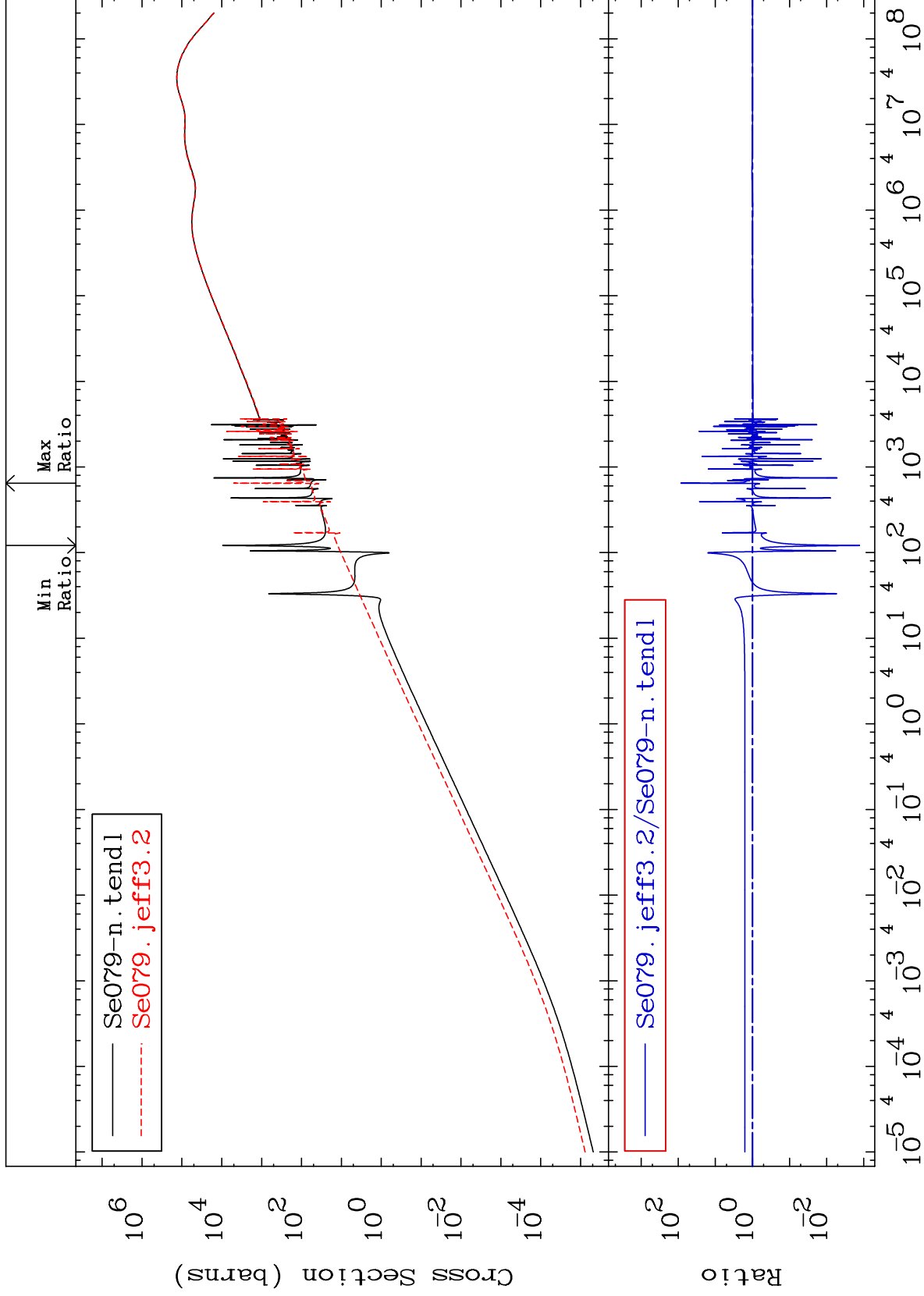
Cross Section

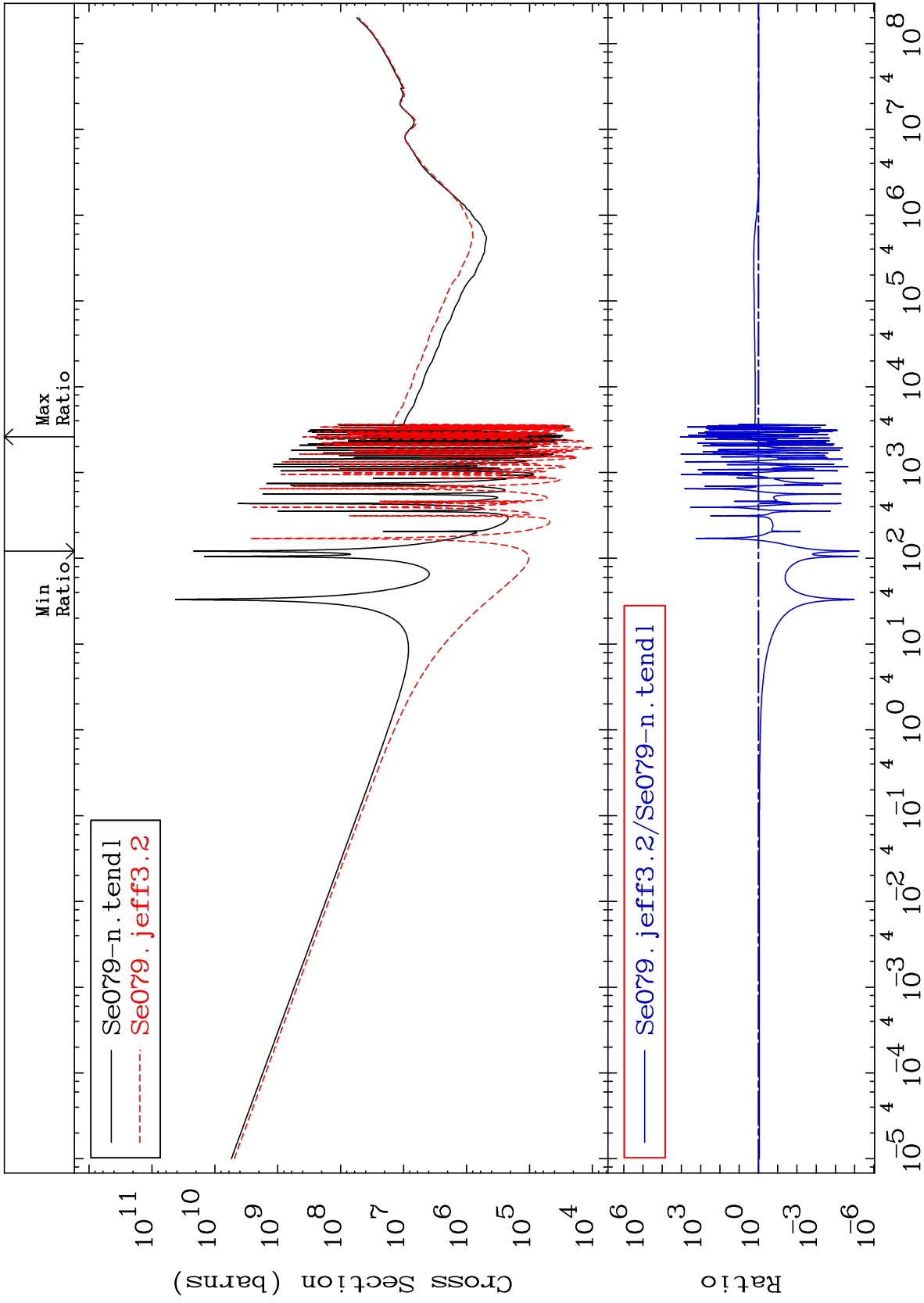


MAT 3440

Kerma elastic
Cross Section

³⁴Se-79
-99.87 To 8488. %

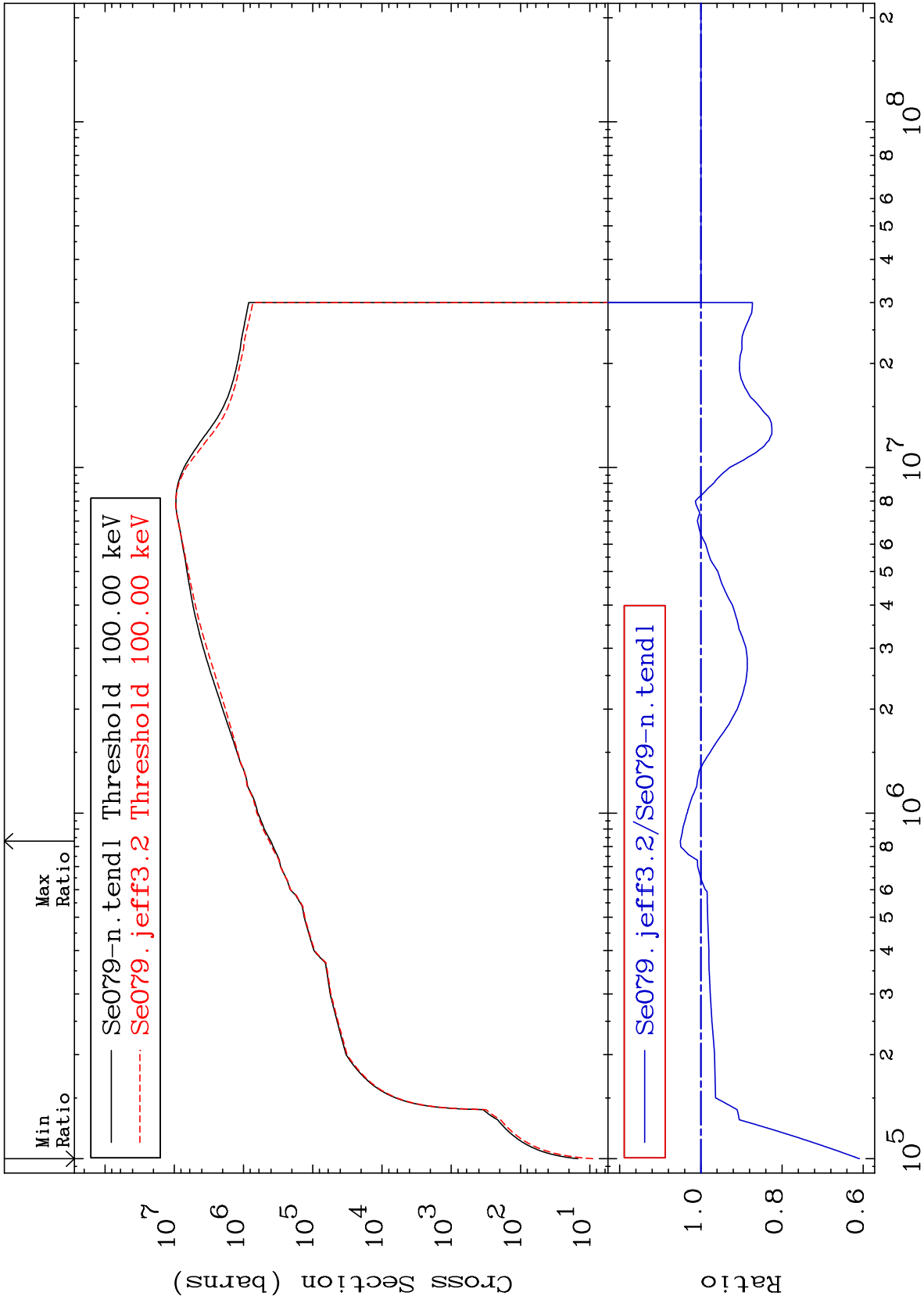




MAT 3440

Kerma inelastic (mt51-91)
Cross Section

34-Se-79
-39.06 To 5.050 %



71

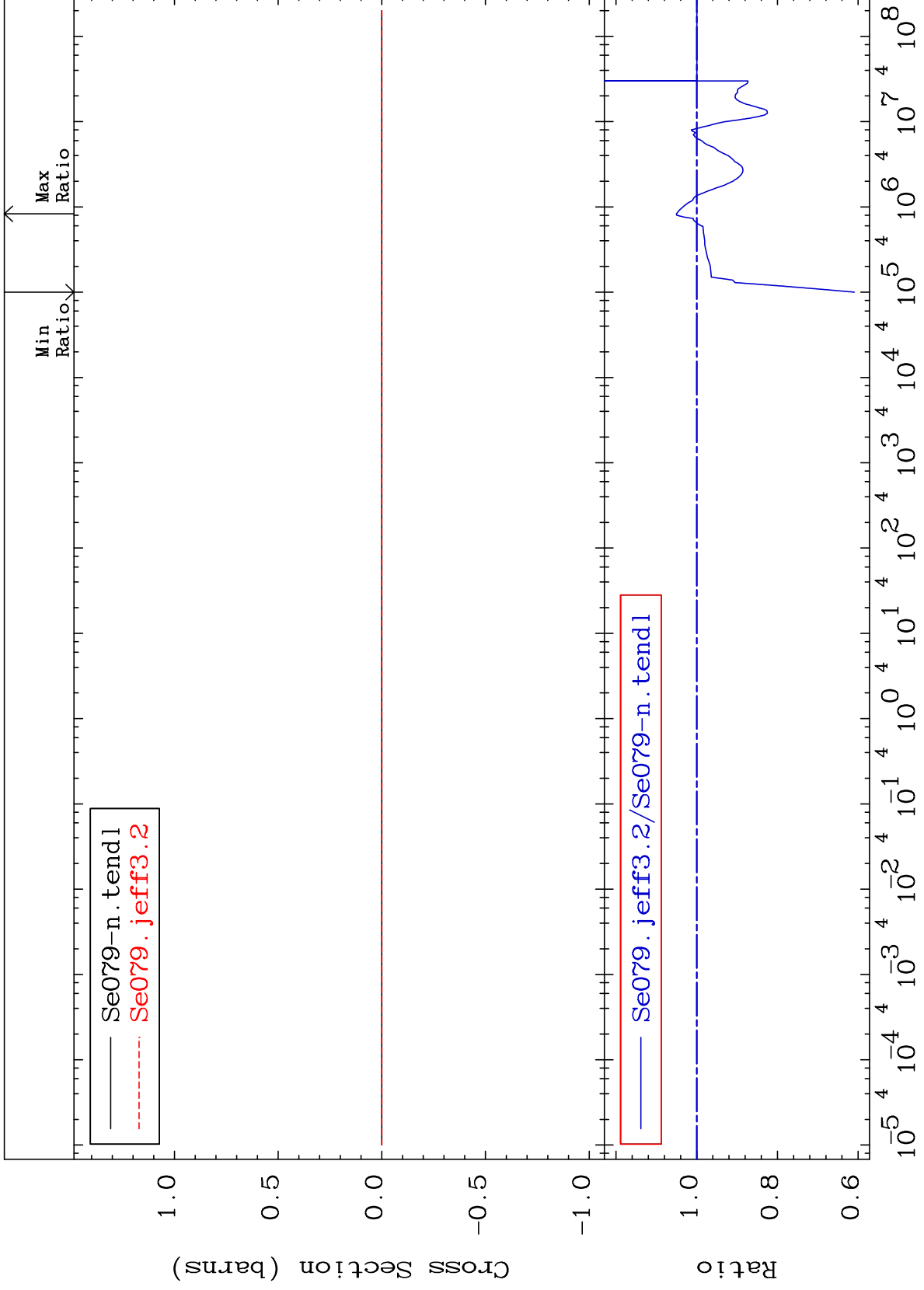
34-Se-79

34-Se-79

MAT 3440

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

34-Se-79
-39.06 To 5.050 %



72

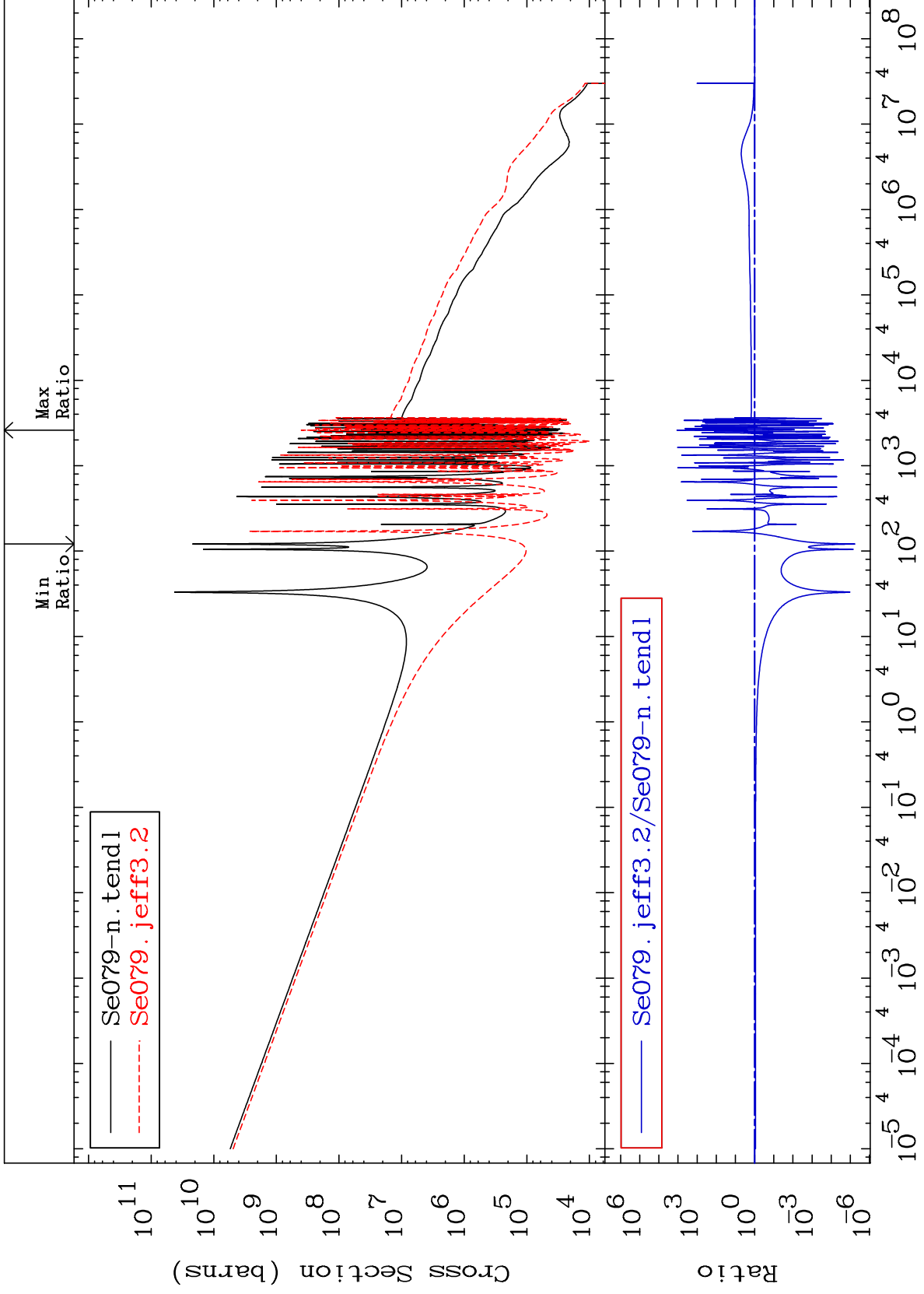
Incident Energy (eV)

34-Se-79

MAT 3440

Kerma capture (mt102)
Cross Section

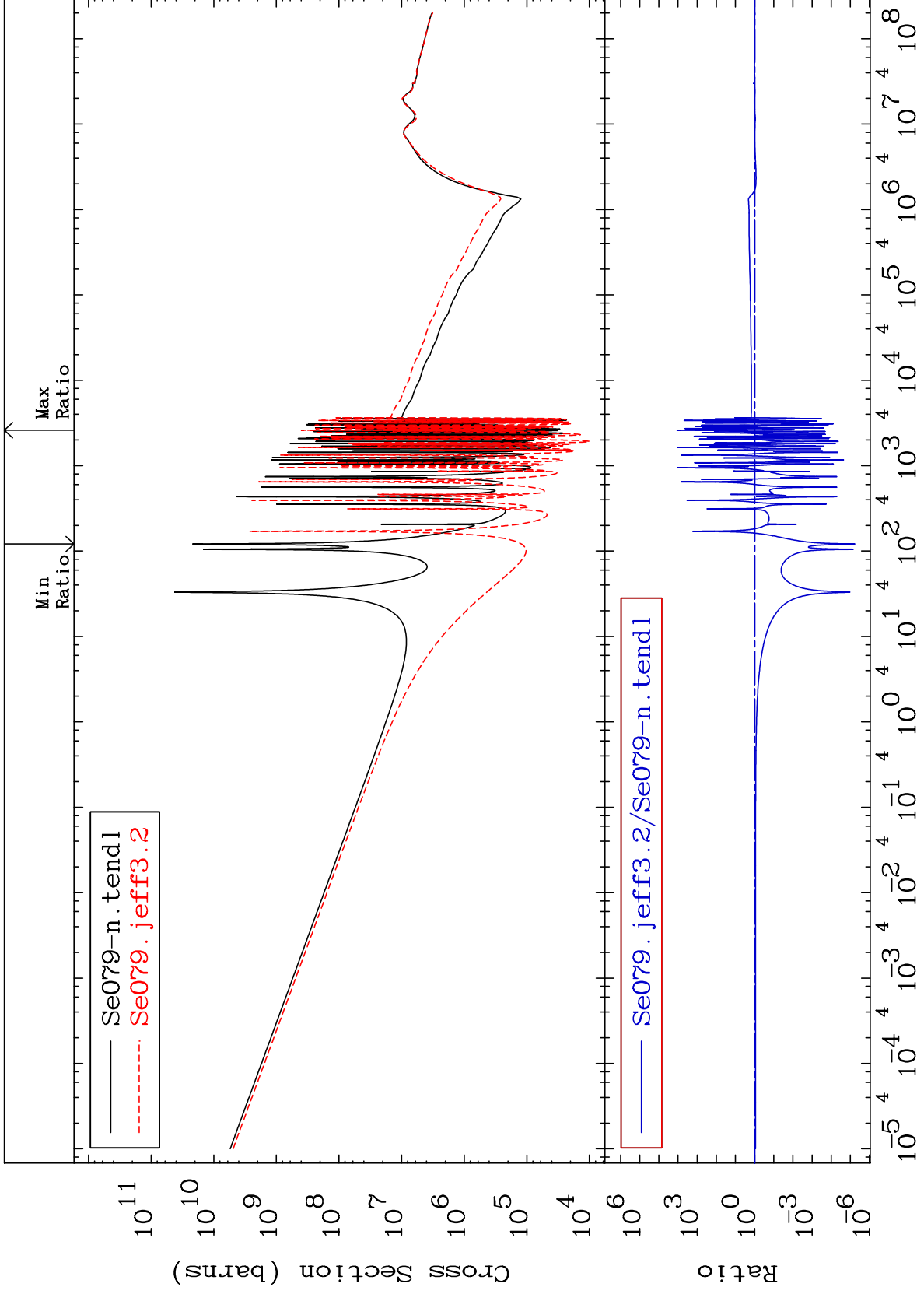
³⁴Se-79
-100.0 To 9999. %



73

Incident Energy (eV)

³⁴Se-79

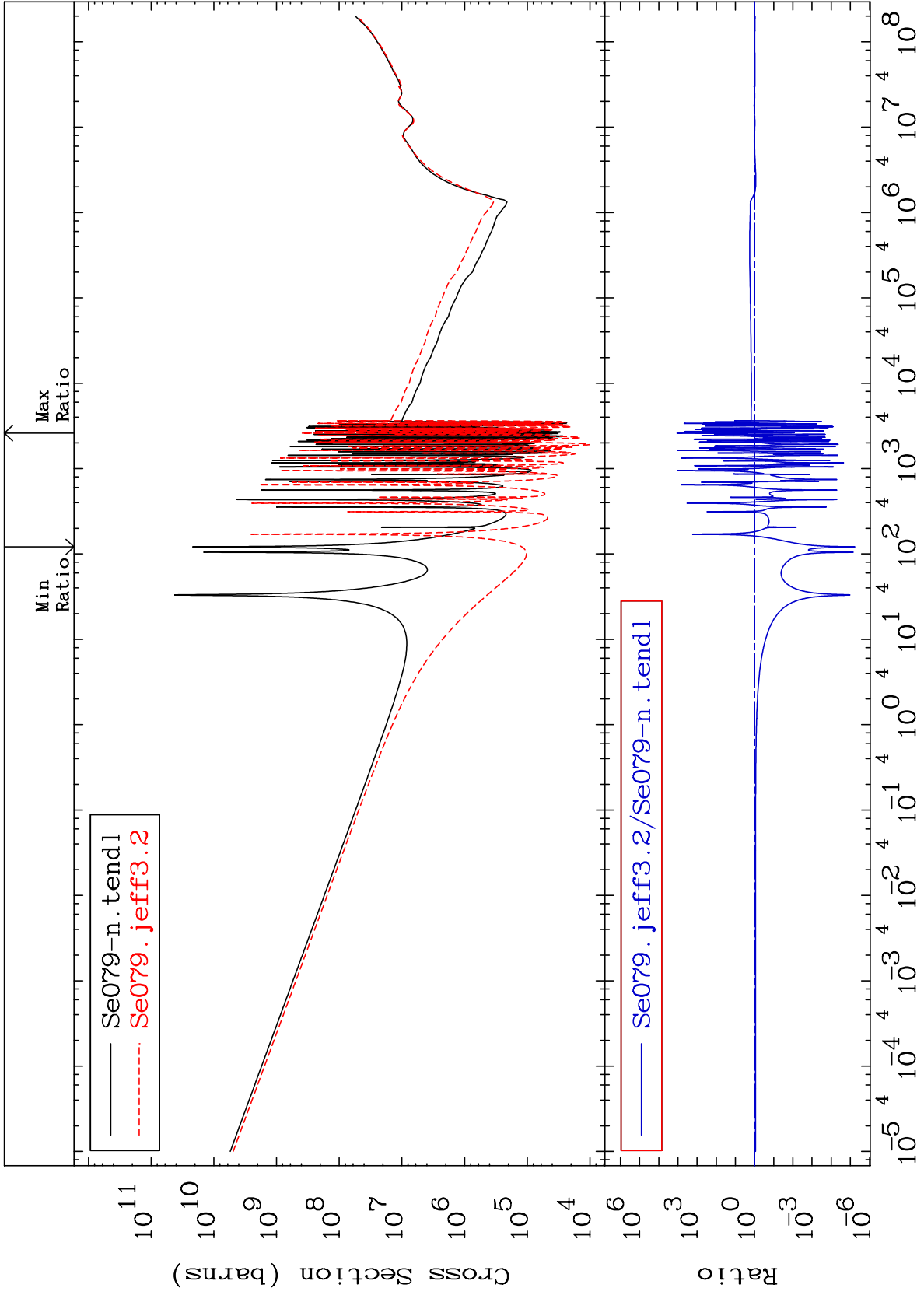


MAT 3440

Total kinematic kerma (high limit)

³⁴Se-79

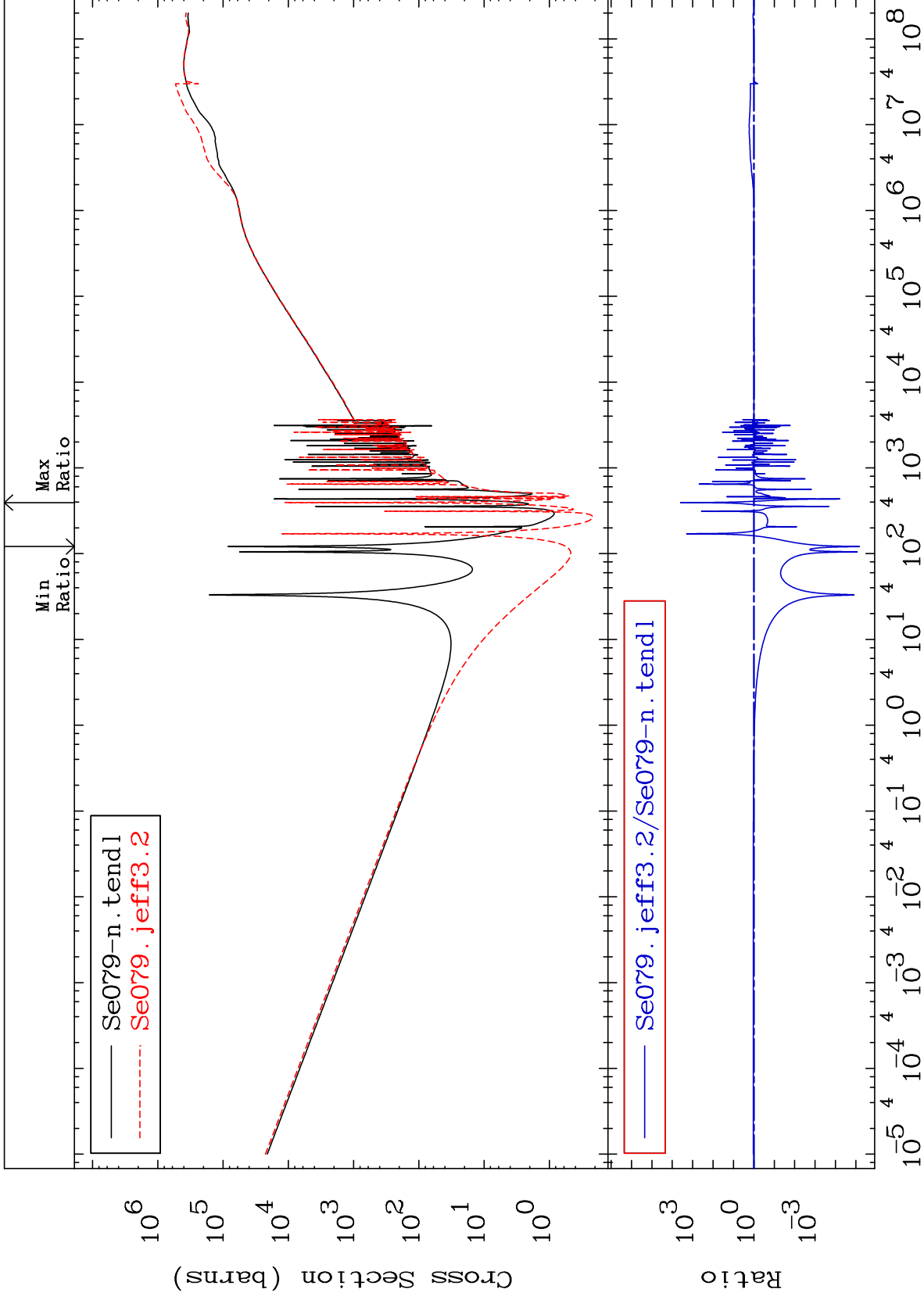
-100.0 To 9999. %

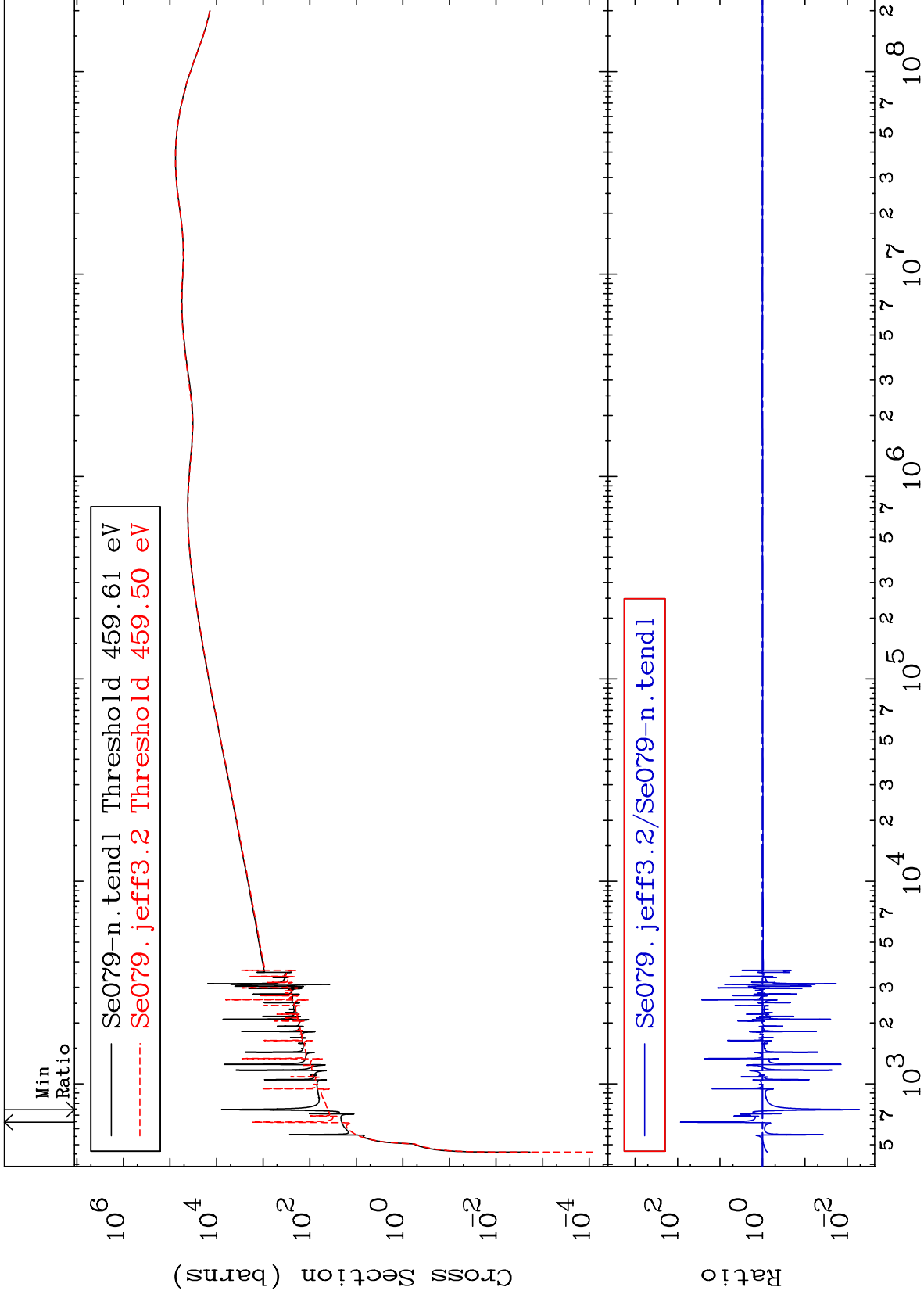


75

Incident Energy (eV)

³⁴Se-79

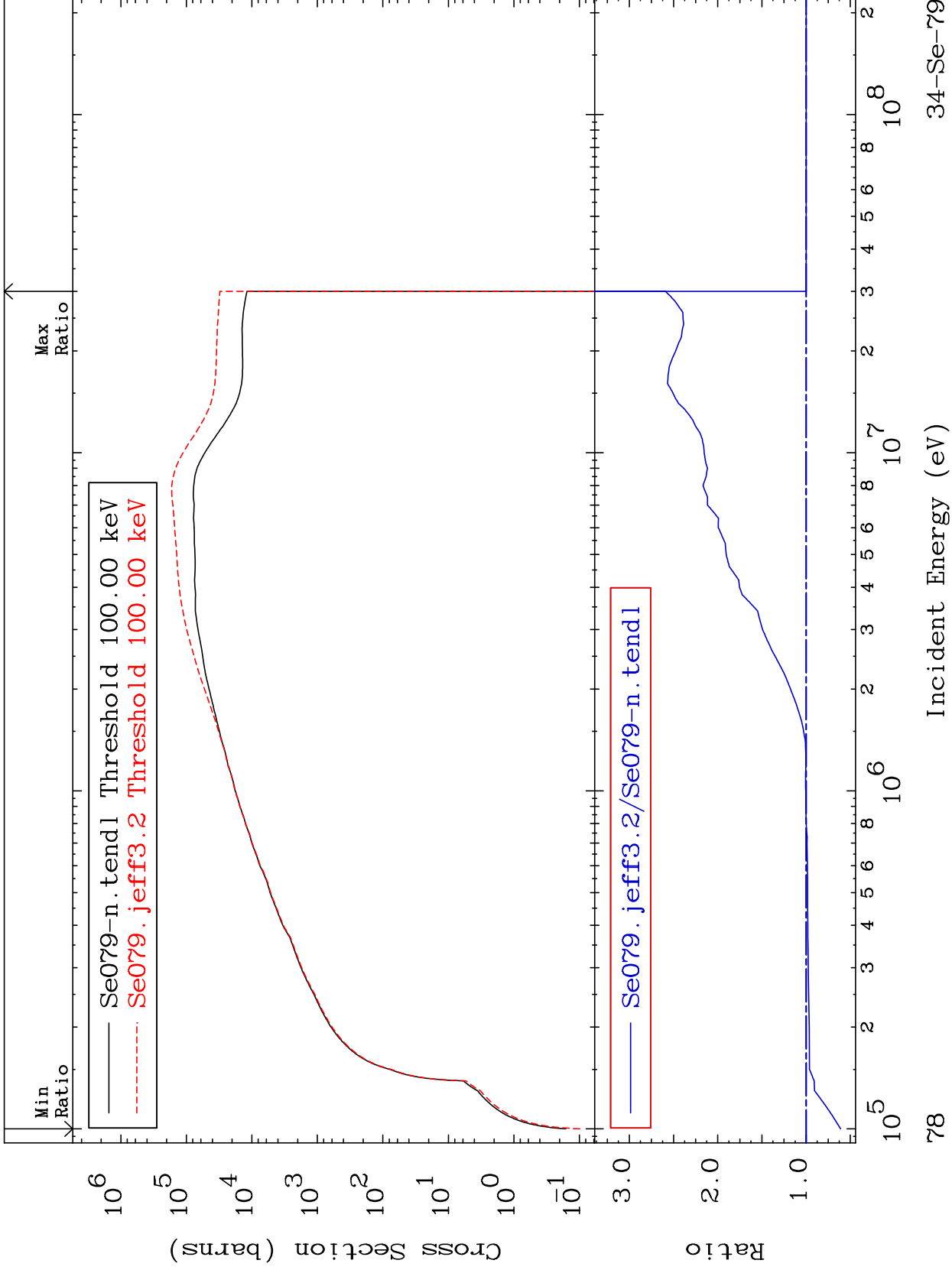




MAT 3440

Dpa inelastic (mt51-91)
Cross Section

³⁴Se-79
-39.06 To 159.1 %



78

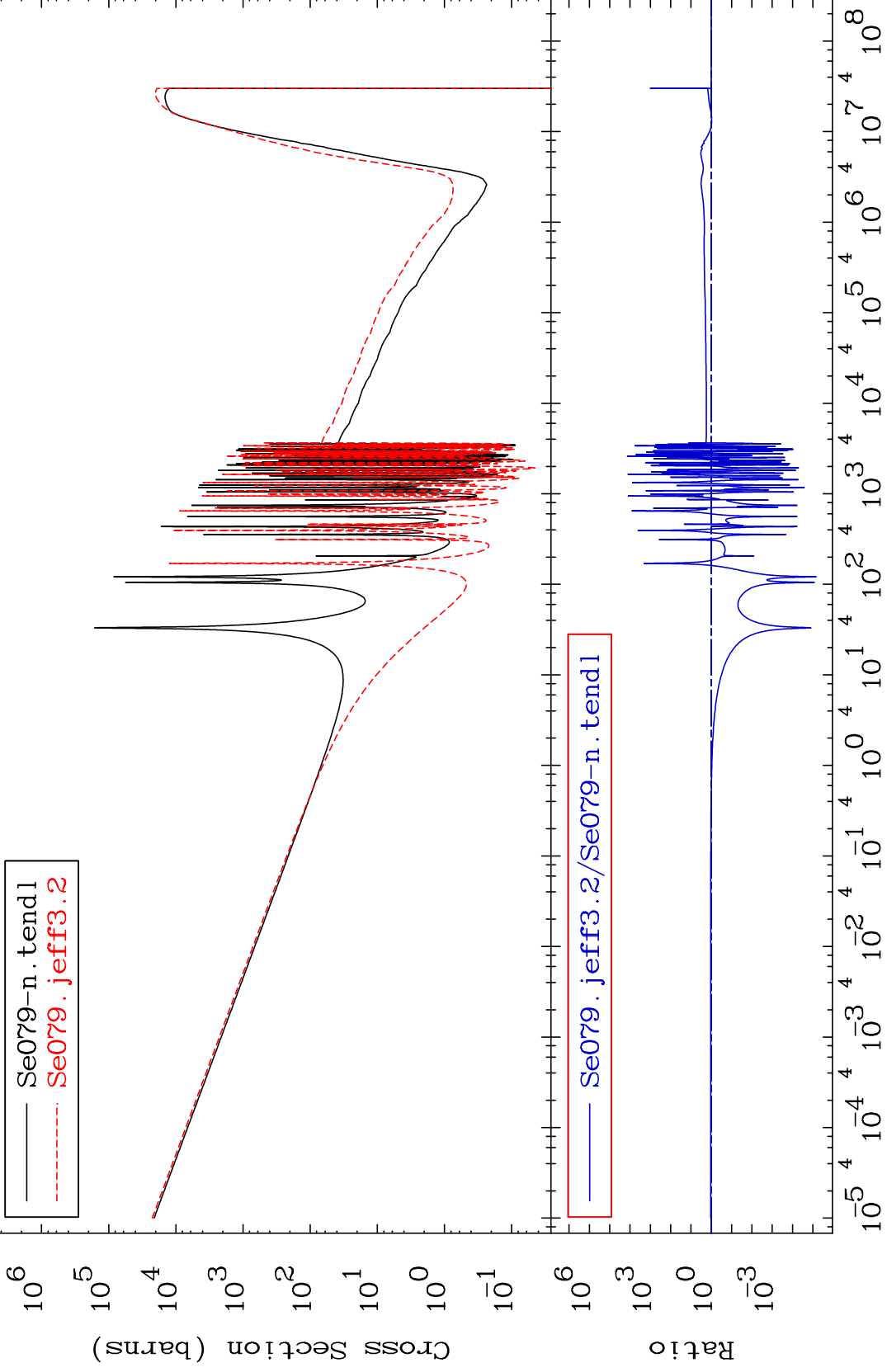
Incident Energy (eV)

³⁴Se-79

MAT 3440

Dpa disappearance (mt102 -120)
Cross Section

34-Se-79
-100.0 To 9999. %



79

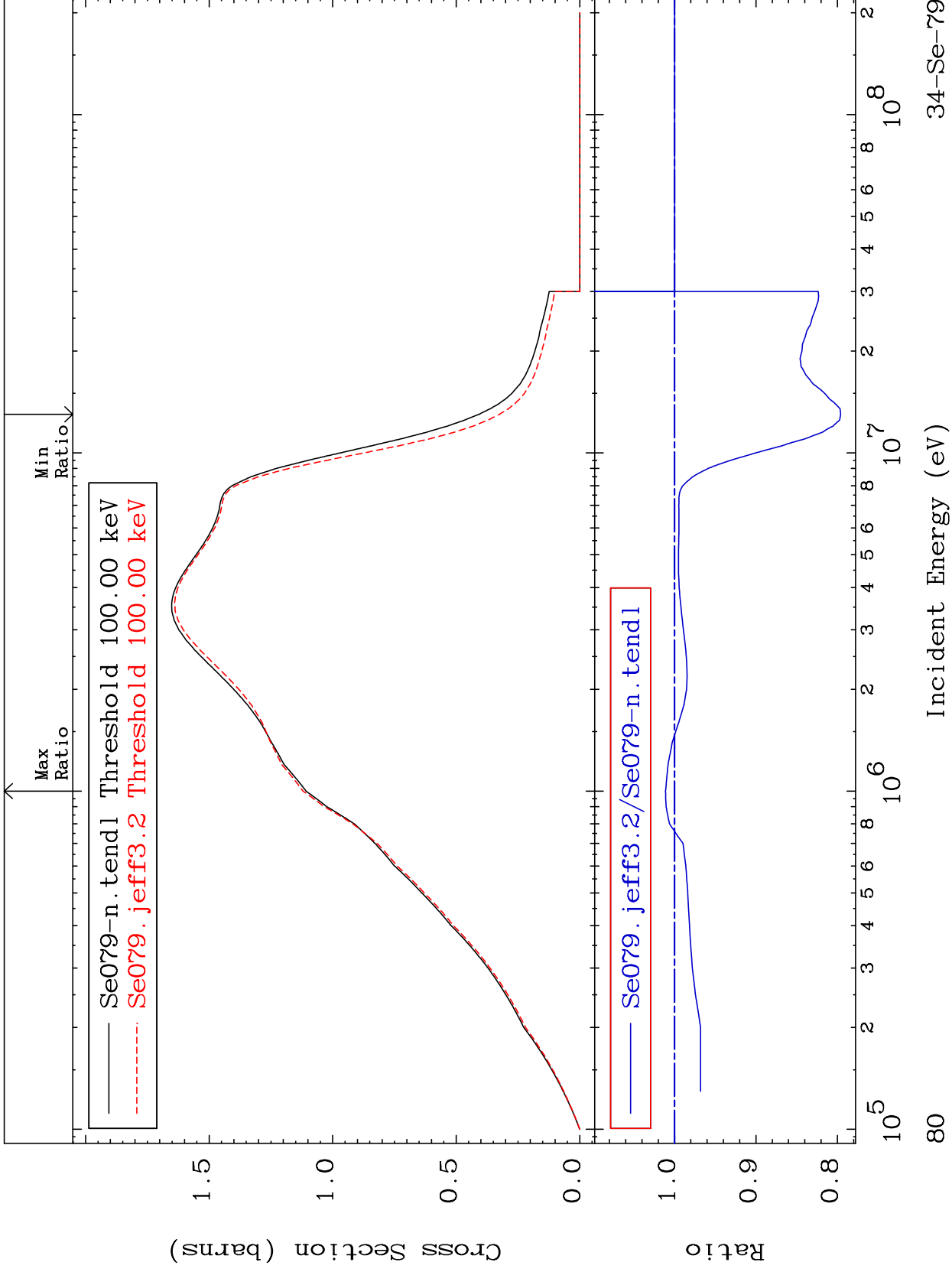
Incident Energy (eV)

34-Se-79

MAT 3440

Inelastic:34-Se-79
Radionuclide Production Cross Section -20.40 To 1.114 %

34-Se-79



34-Se-79

Incident Energy (eV)

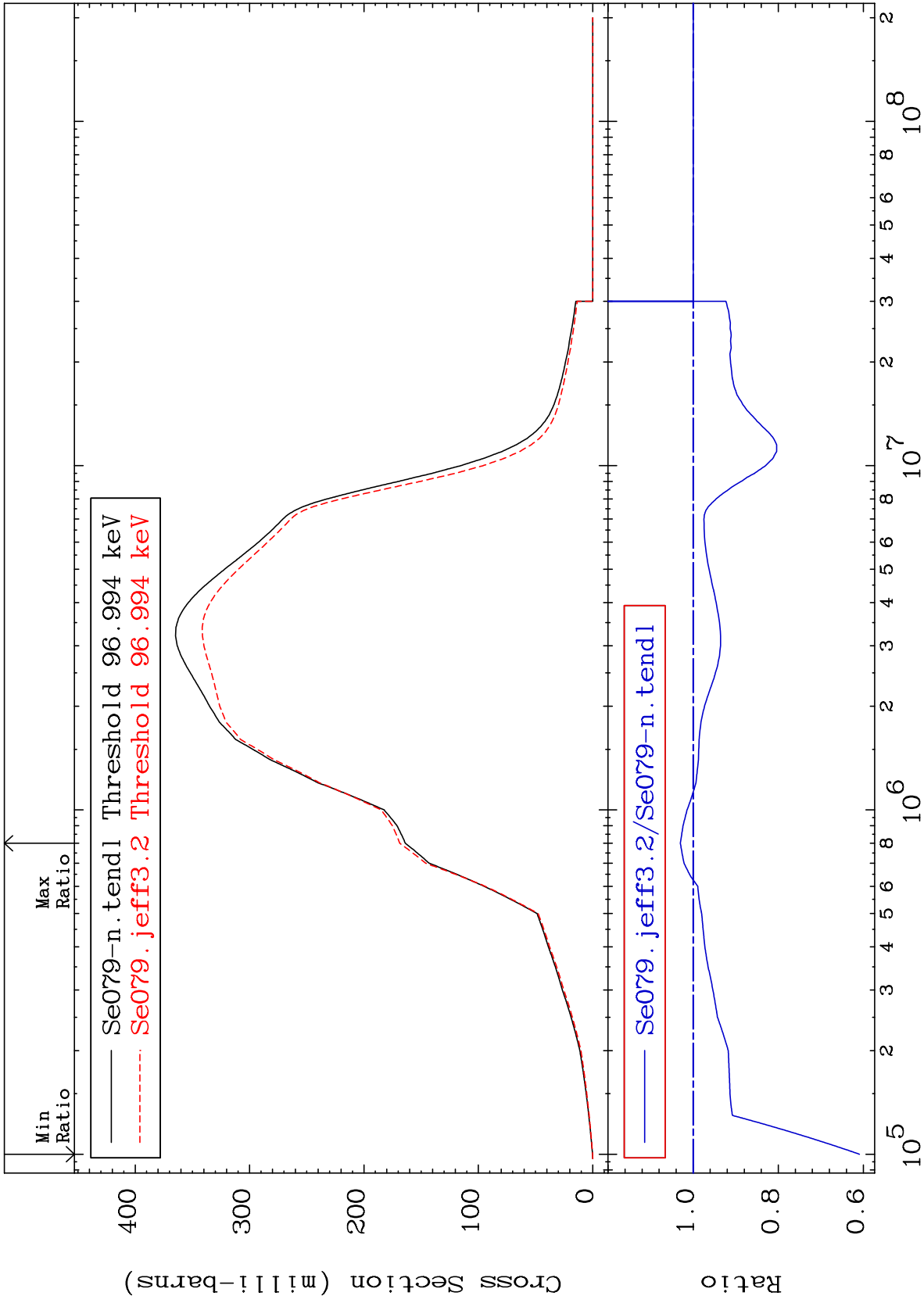
MAT 3440

Inelastic:34-Se-79m1

34-Se-79

Radionuclide Production Cross Section

-39.06 To 3.011 %

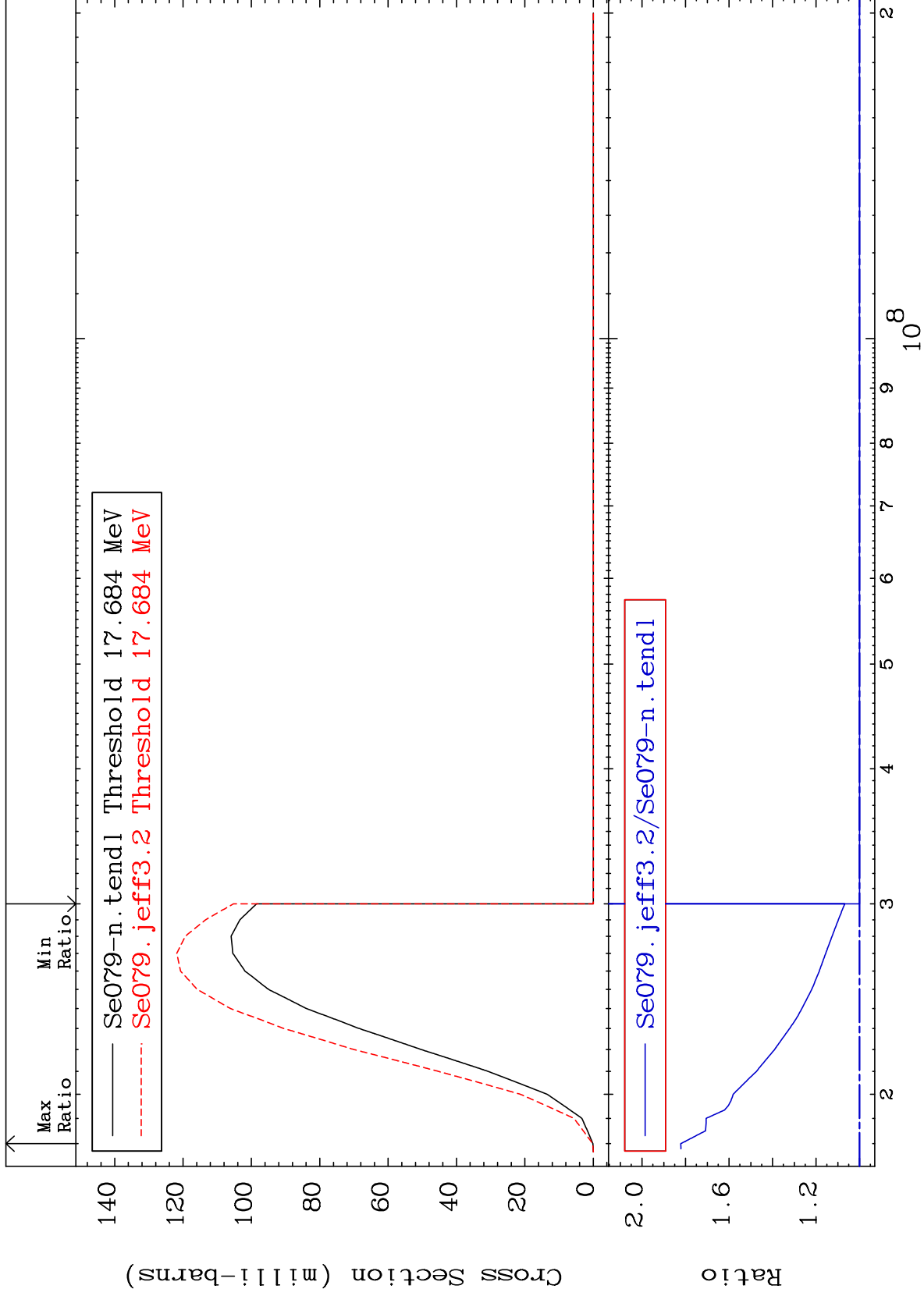


MAT 3440

(n,3n):34-Se-77g

34-Se-79

Radionuclide Production Cross Section 0.000 To 82.18 %



82

Incident Energy (eV)

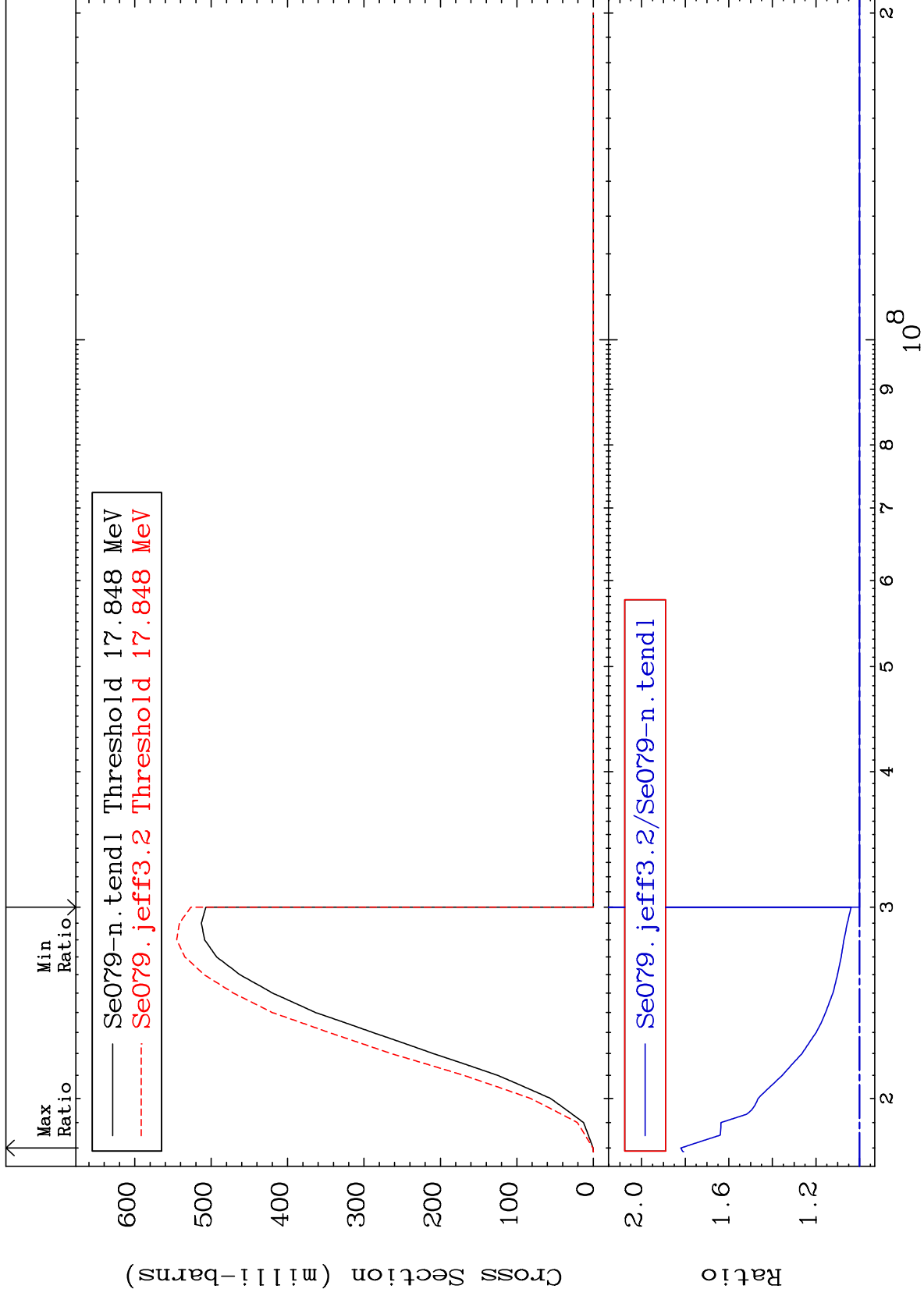
34-Se-79

MAT 3440

(n,3n):34-Se-77m1

34-Se-79

Radionuclide Production Cross Section 0.000 To 82.05 %

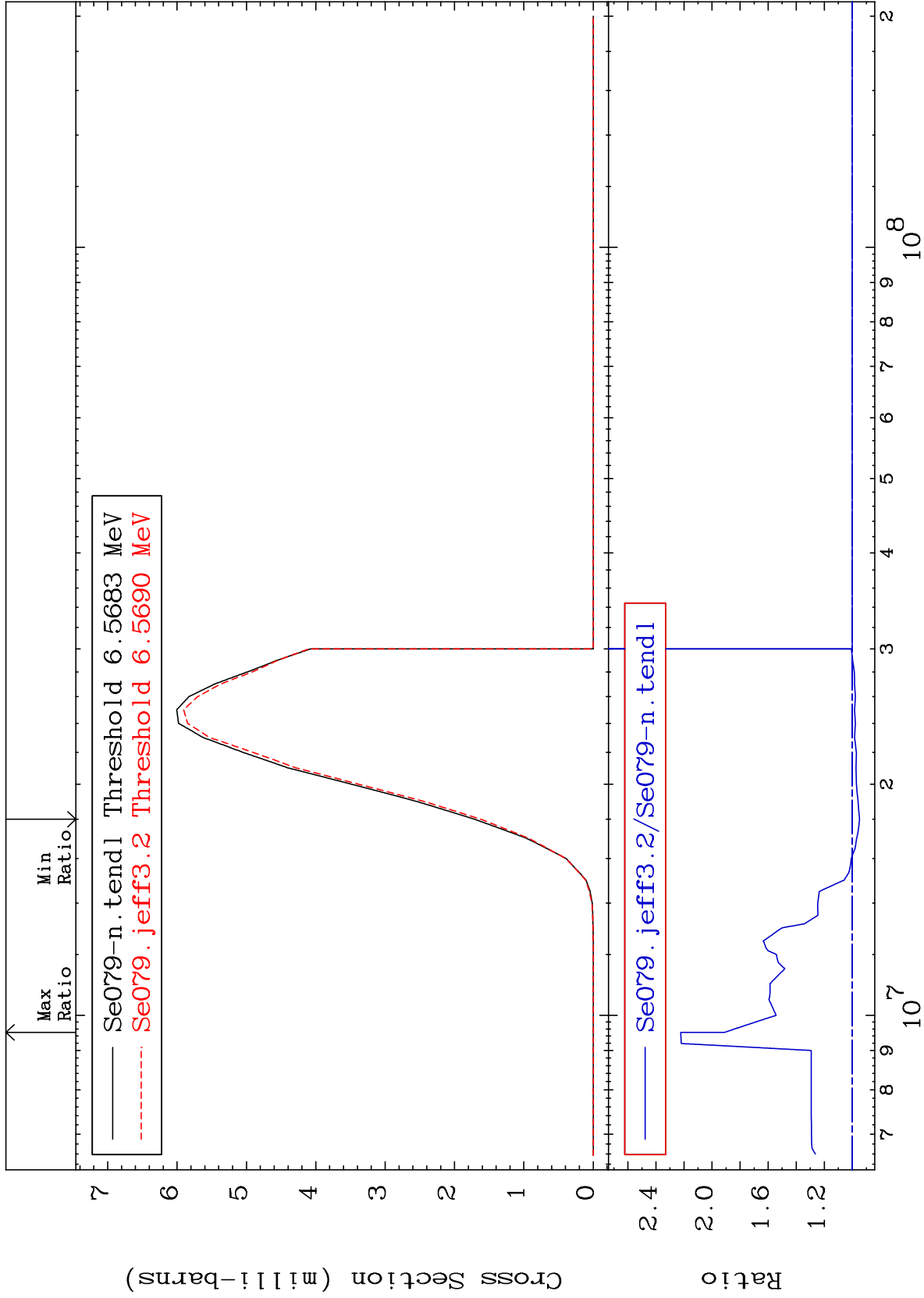


MAT 3440

³⁴Se-79

(n, n') α:32-Ge-75g

Radionuclide Production Cross Section -5.153 To 122.3 %



84

Incident Energy (eV)

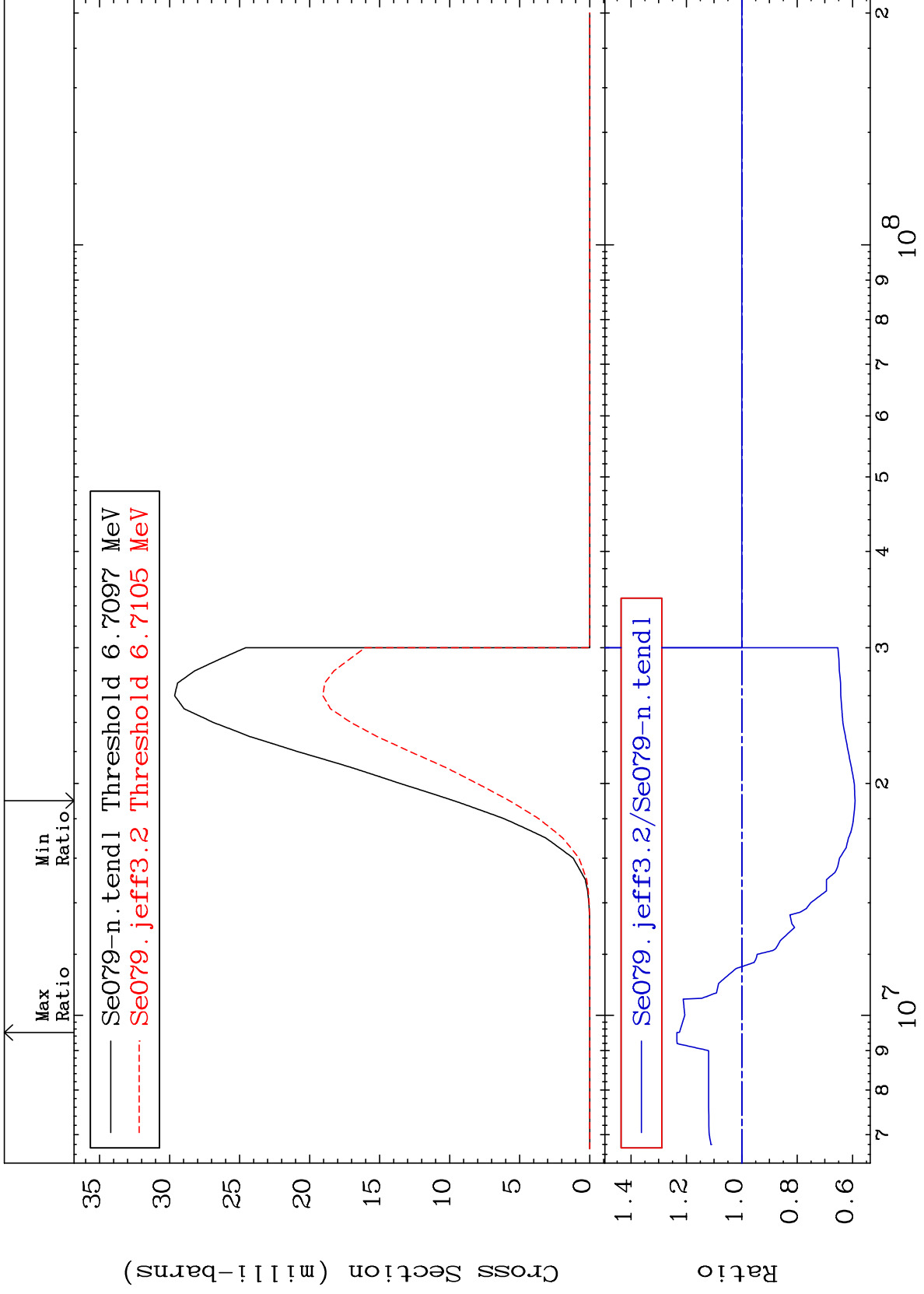
³⁴Se-79

MAT 3440

(n, n') α : 32-Ge-75m2

34-Se-79

Radionuclide Production Cross Section -40.92 To 23.42 %

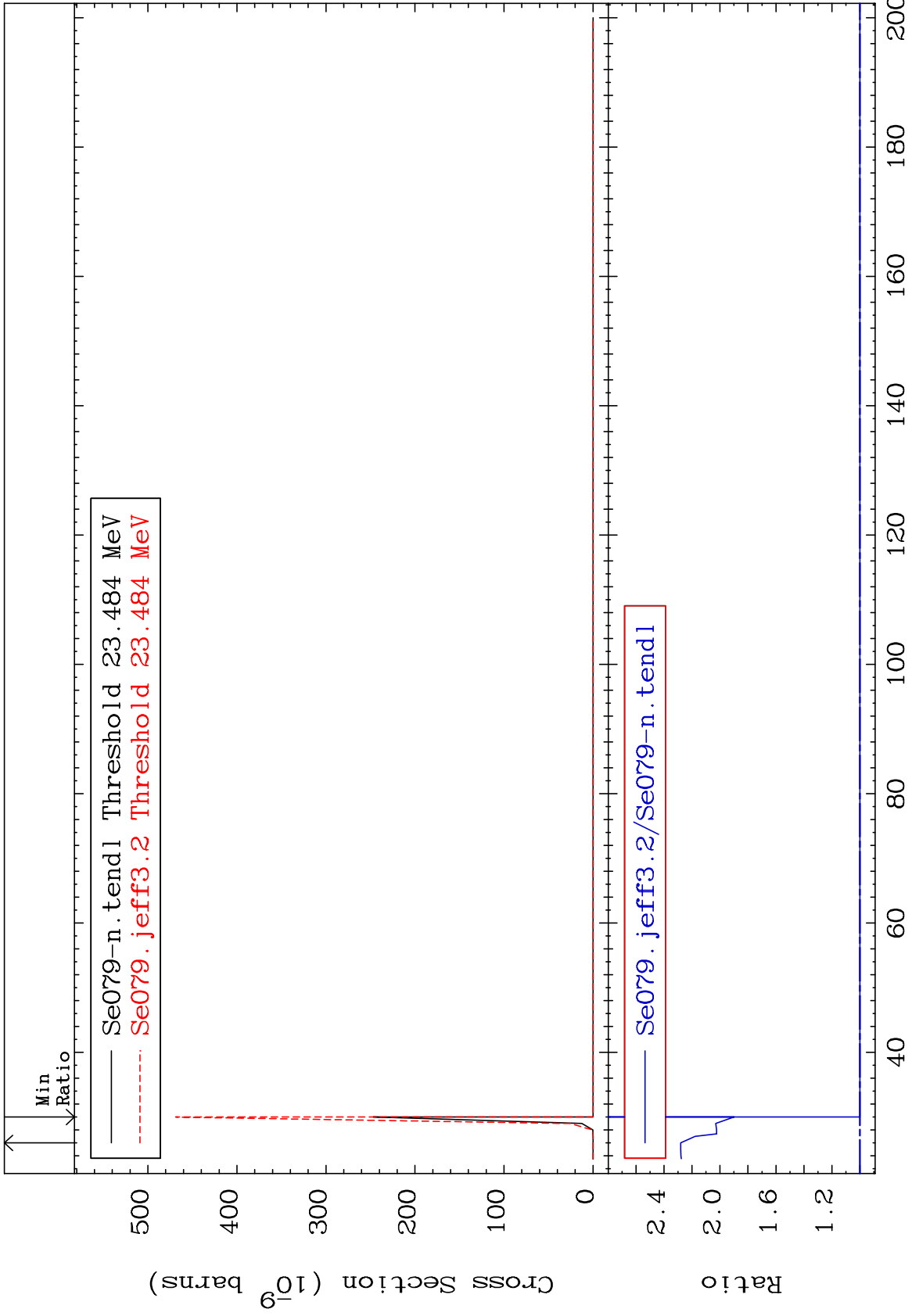


MAT 3440

(n, 3n) α :32-Ge-73g

³⁴Se-79

Radionuclide Production Cross Section 0.000 To 128.0 %

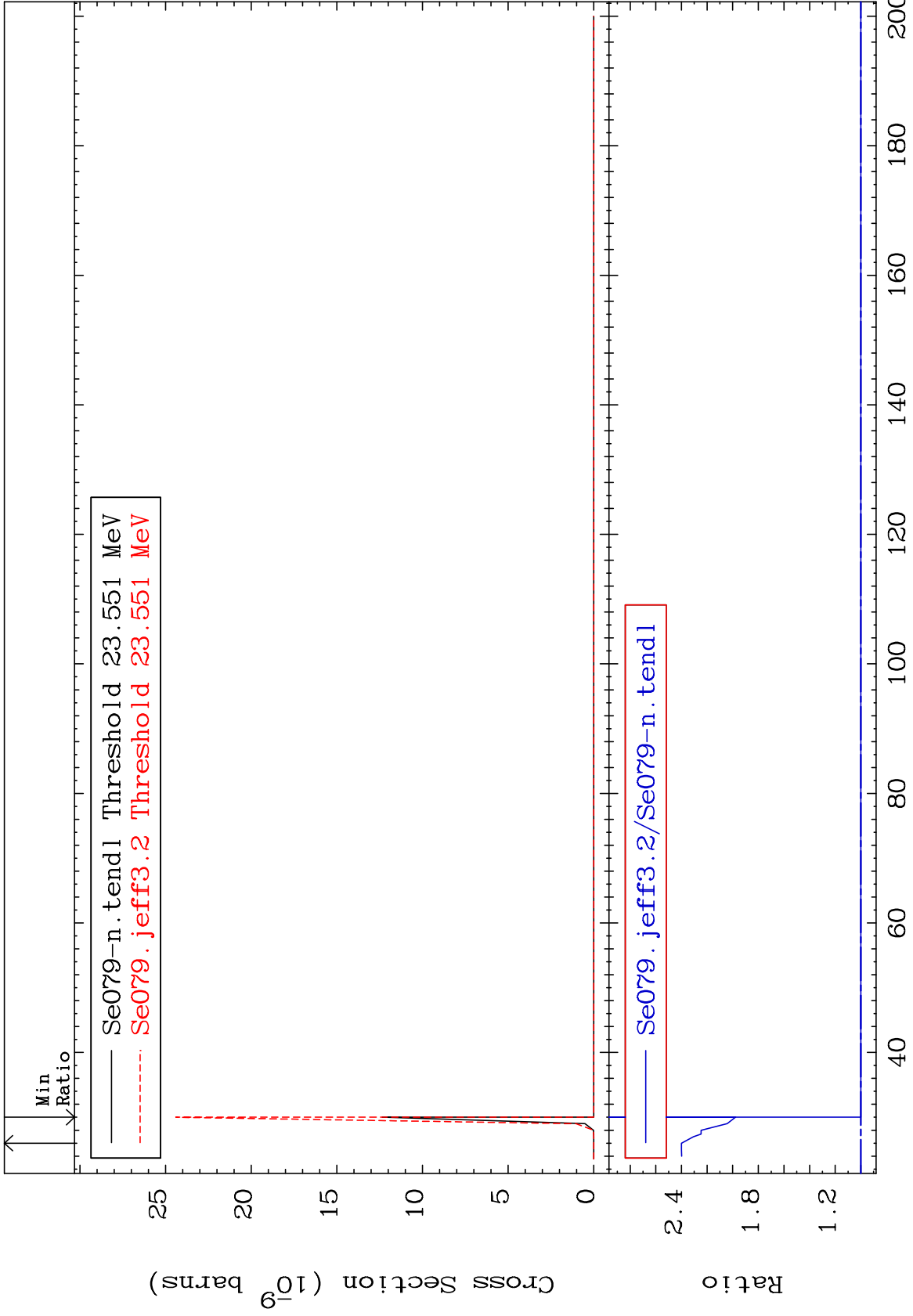


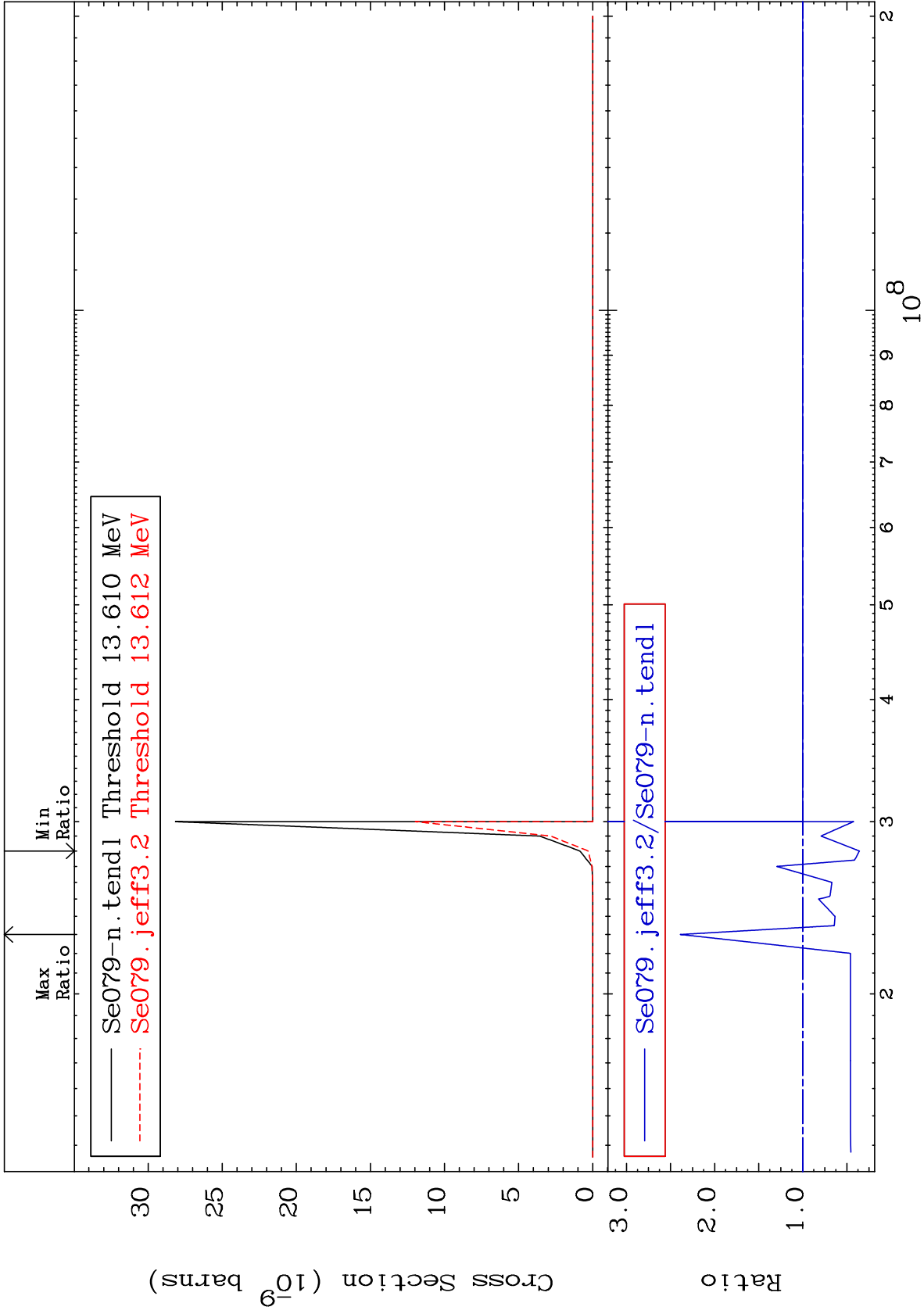
MAT 3440

(n,3n) α : 32-Ge-73m2

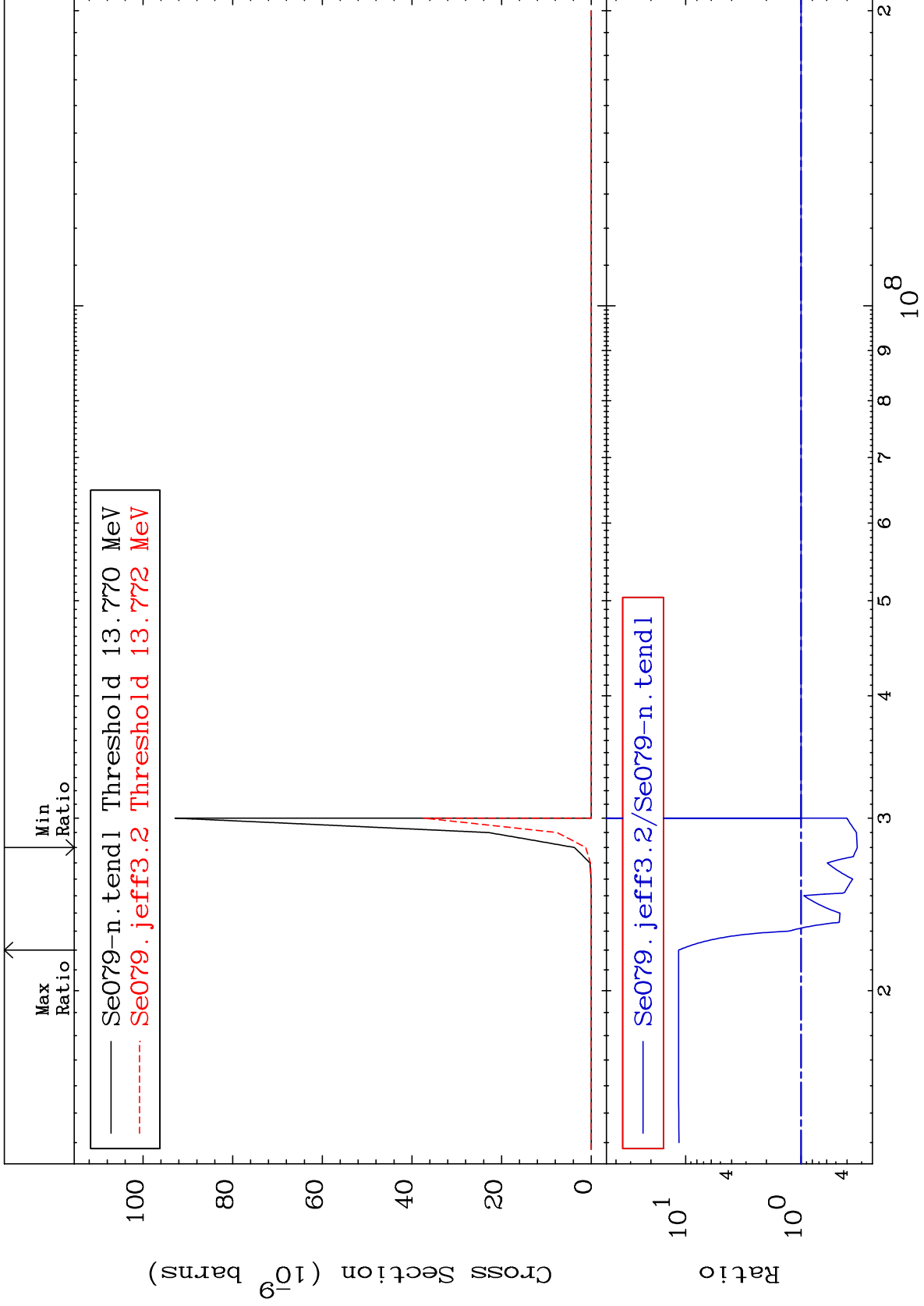
34-Se-79

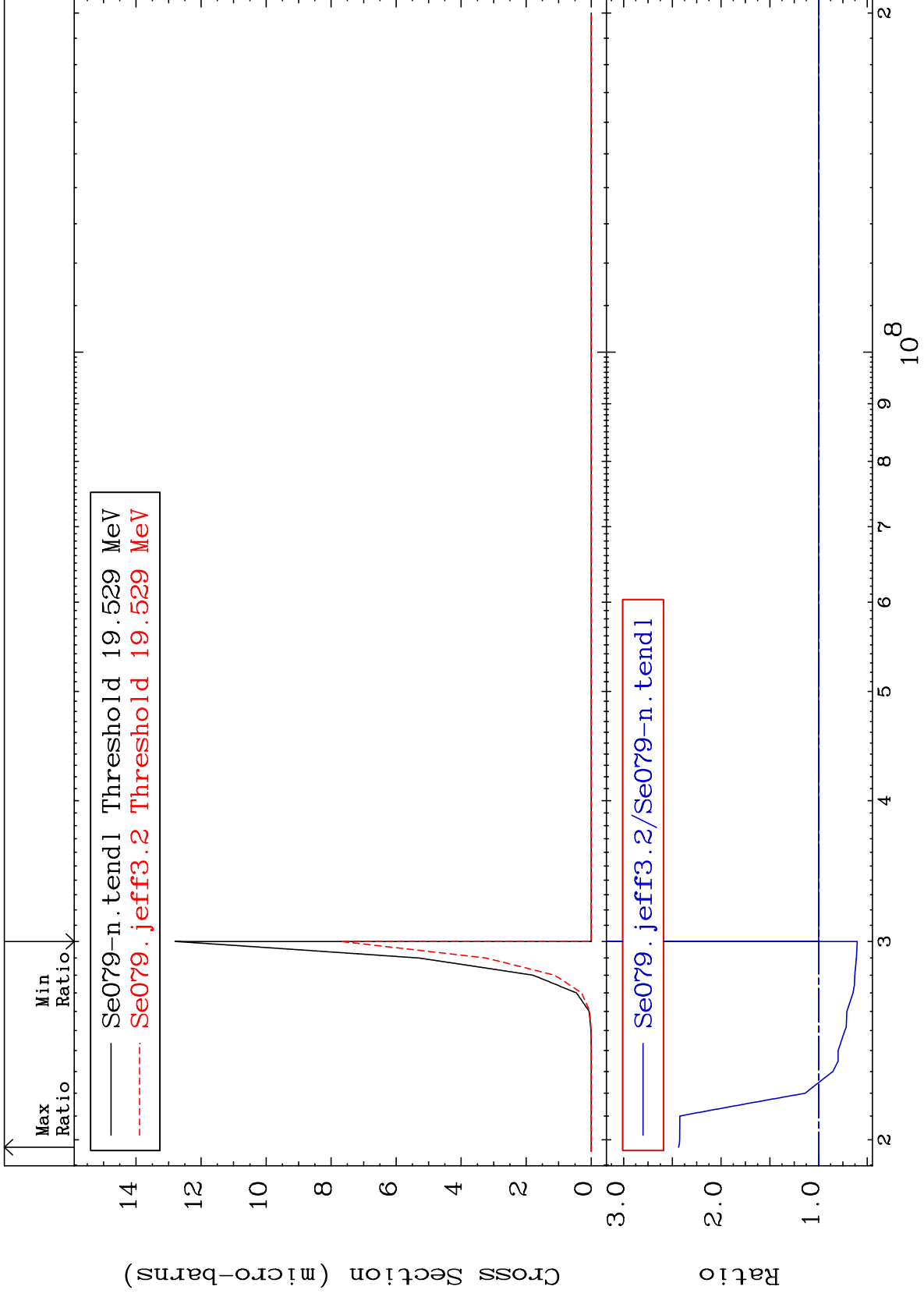
Radionuclide Production Cross Section 0.000 To 140.0 %



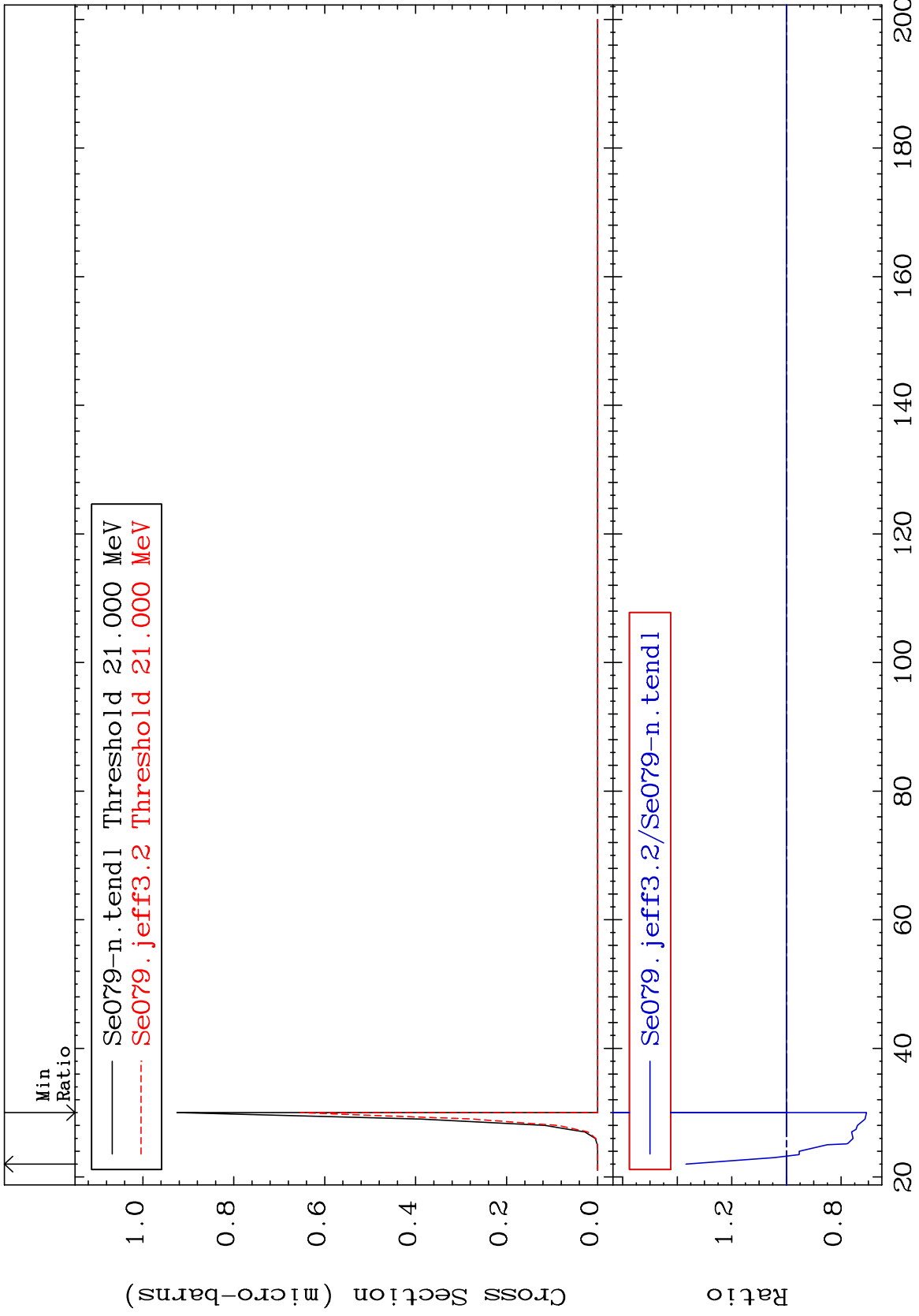


Radionuclide Production Cross Section -67.32 To 1049. %



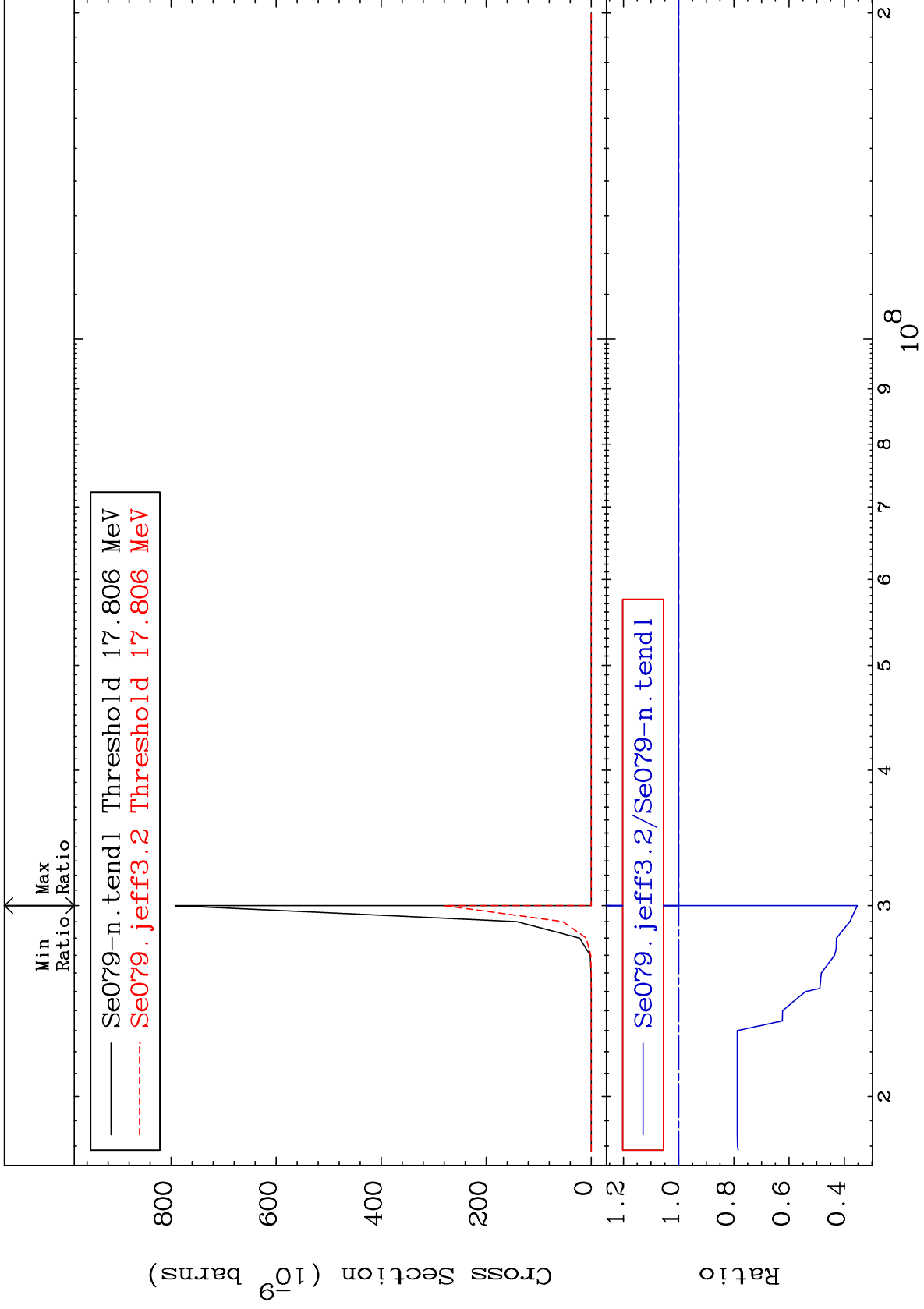


Radionuclide Production Cross Section -29.34 To 36.79 %

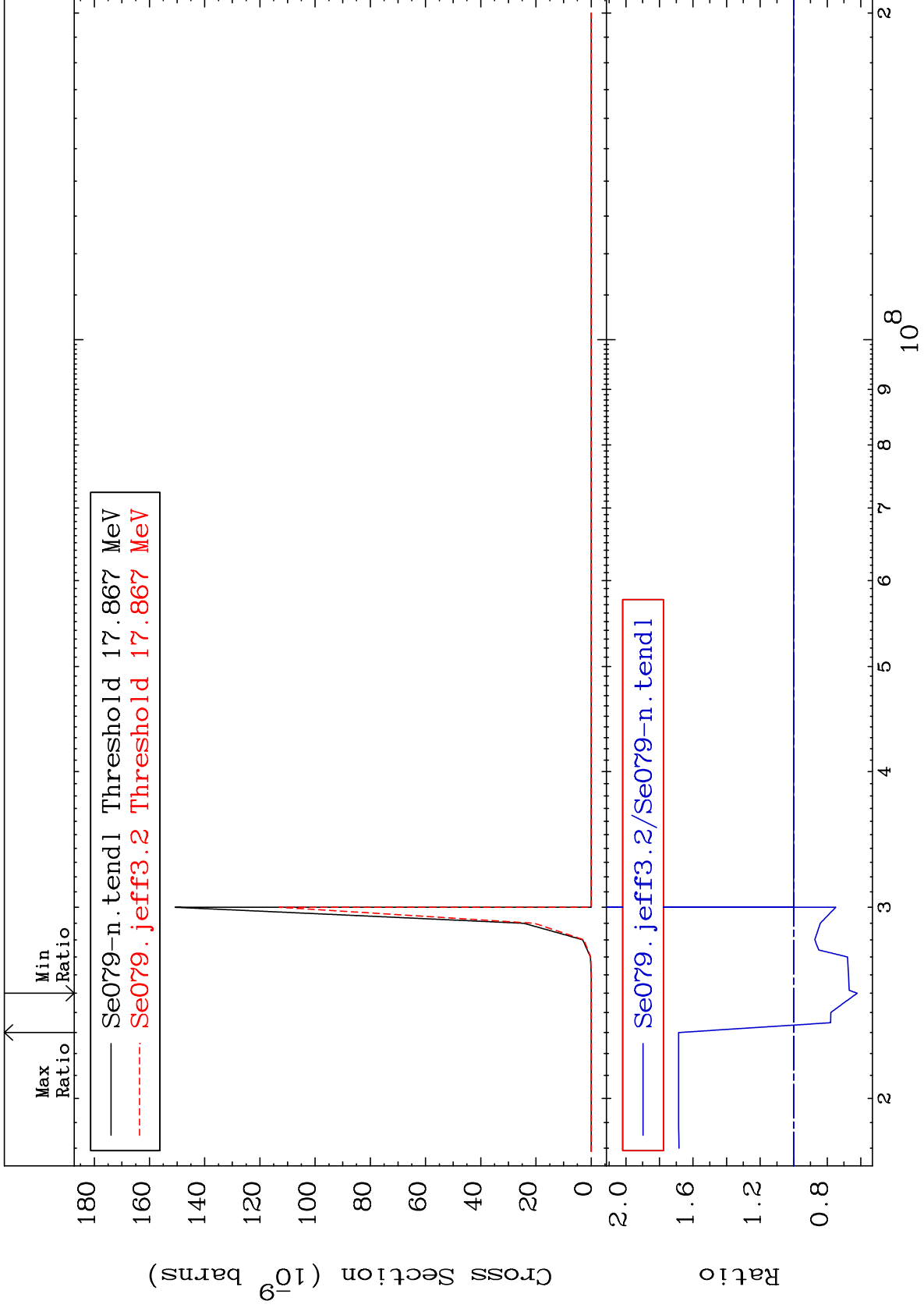


MAT 3440

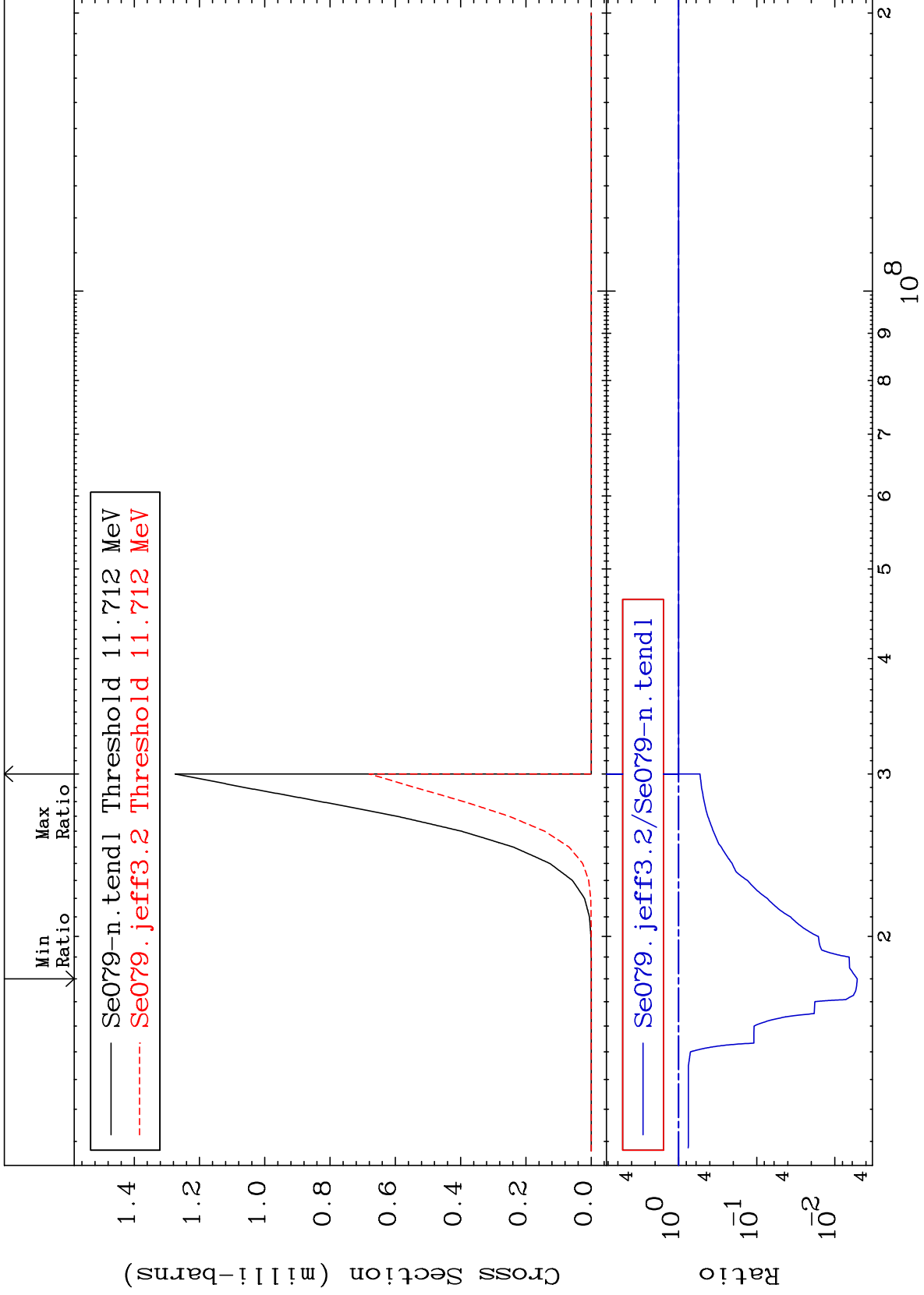
(n,n') p α:31-Ga-74g 34-Se-79
Radionuclide Production Cross Section -64.66 To 0.000 %



Radionuclide Production Cross Section -37.89 To 68.57 %



Radionuclide Production Cross Section -99.48 To 0.000 %

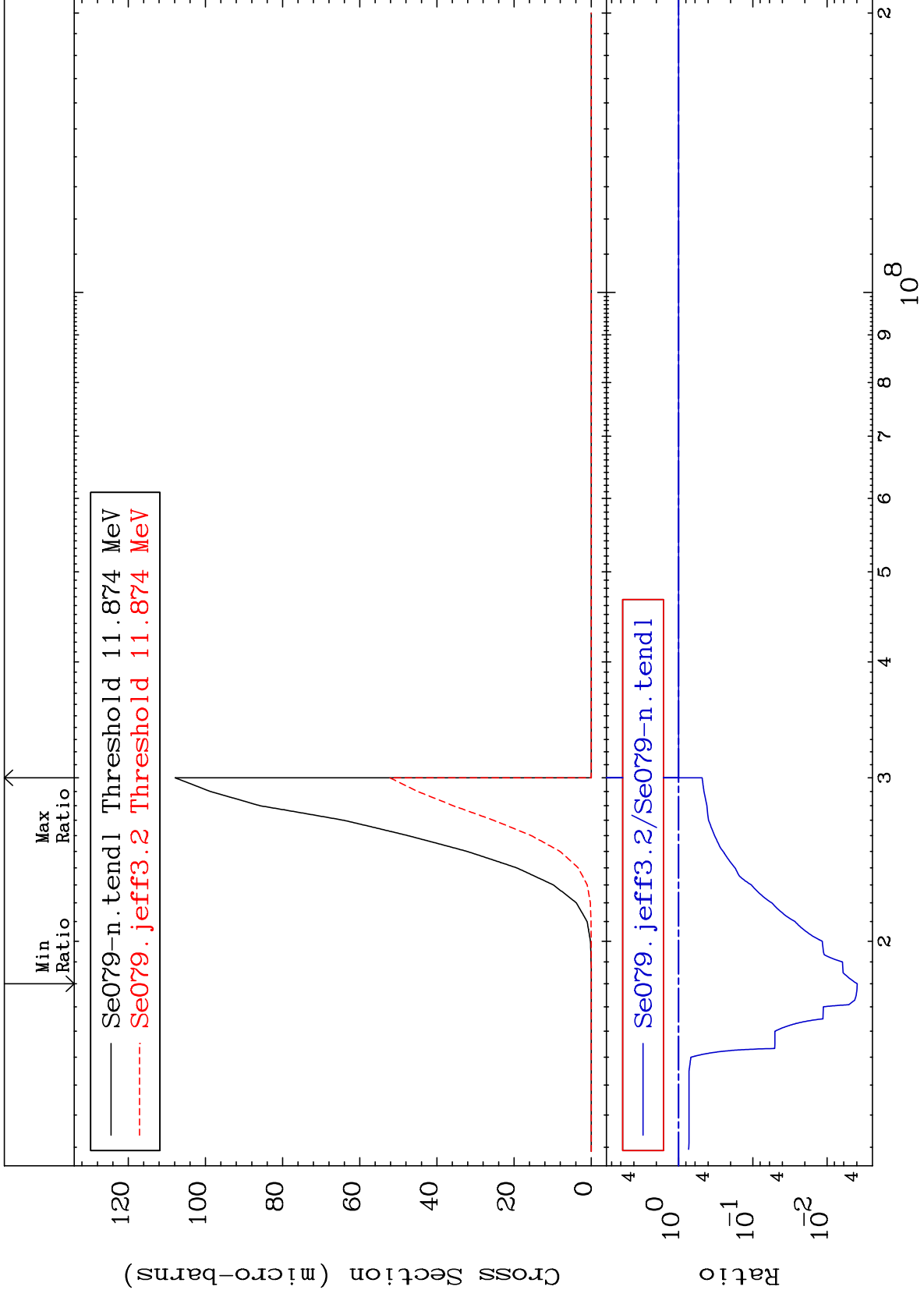


MAT 3440

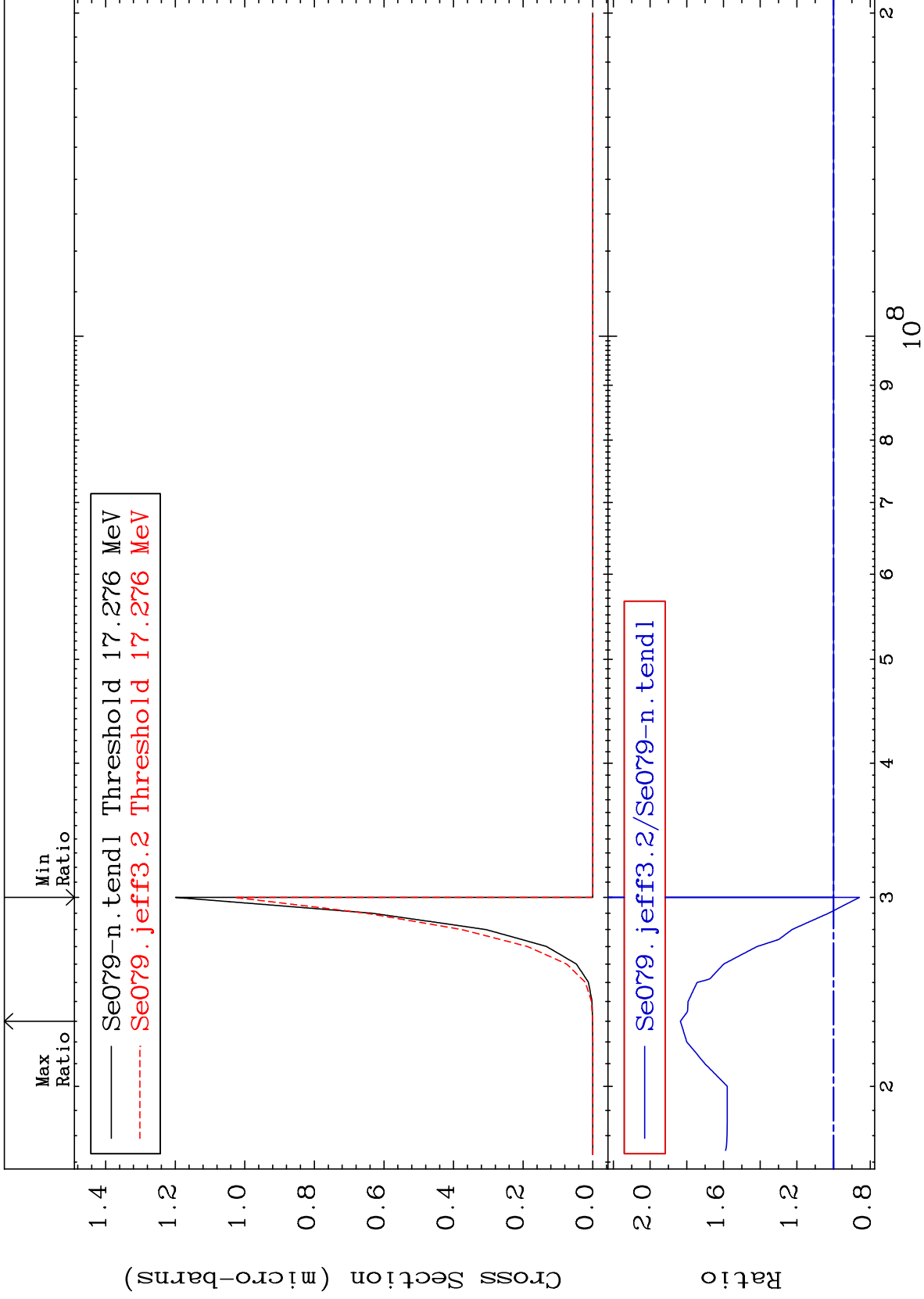
(n,He-3) : 32-Ge-77m1

34-Se-79

Radionuclide Production Cross Section -99.61 To 0.000 %



Radionuclide Production Cross Section -14.14 To 83.52 %

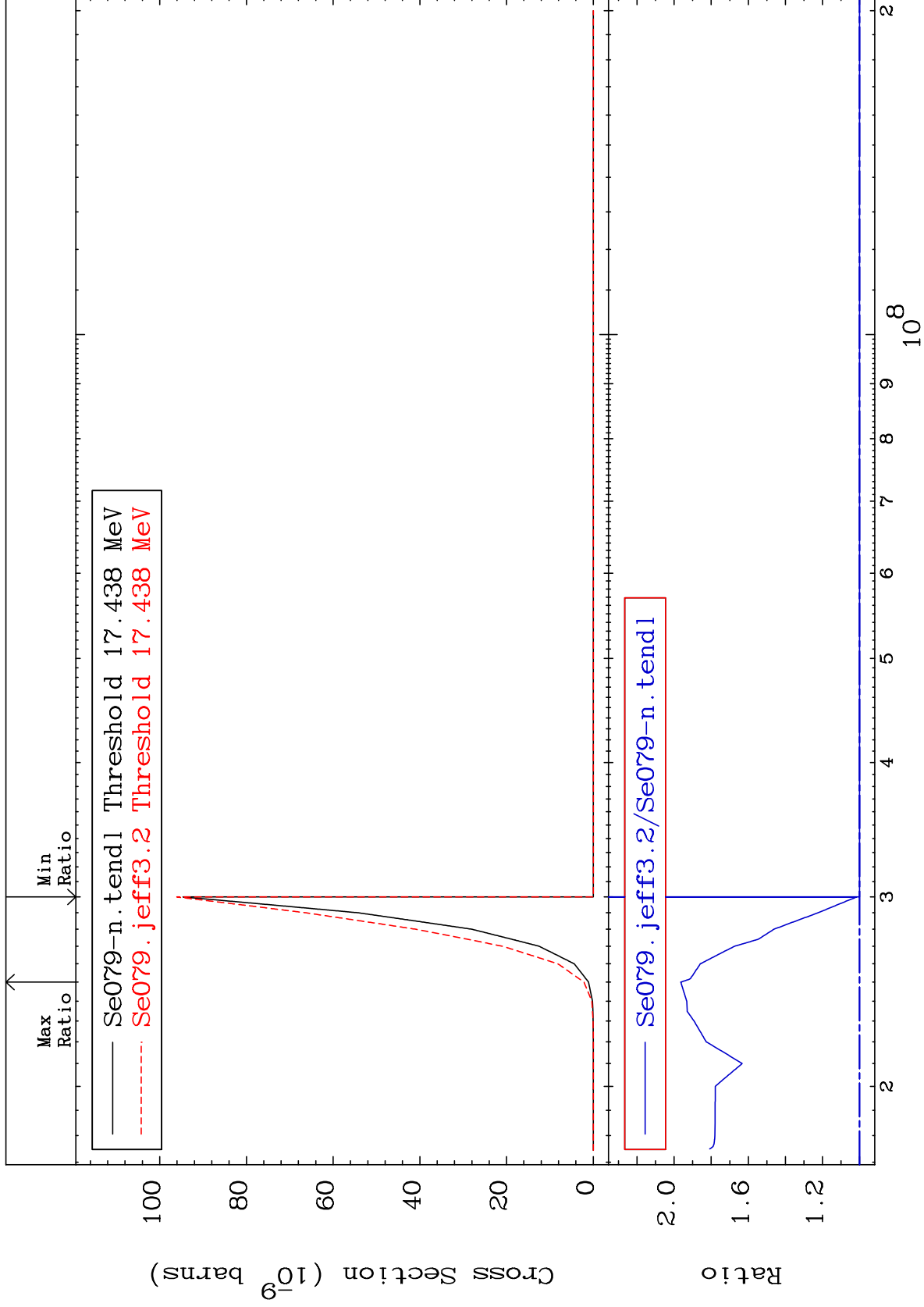


MAT 3440

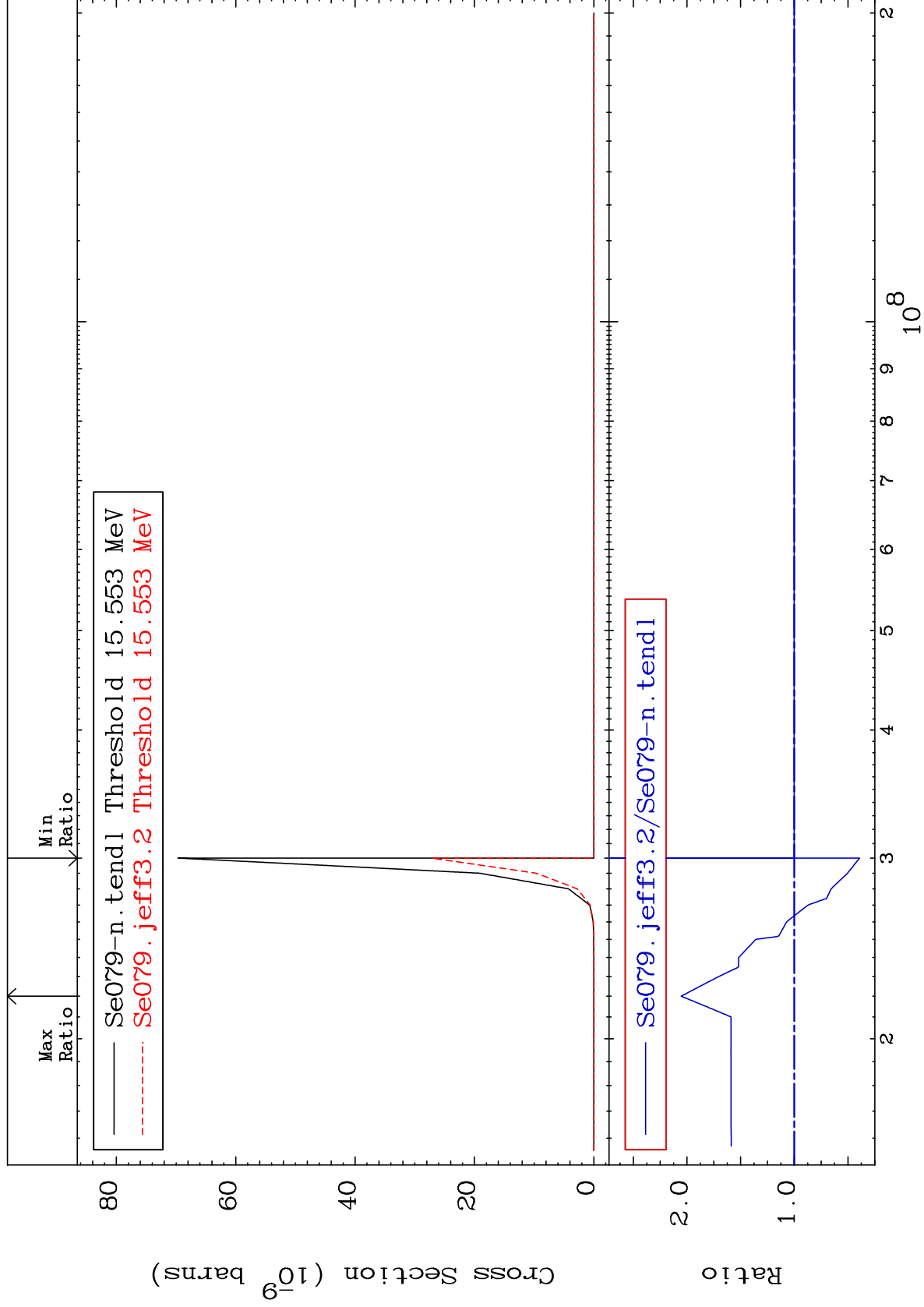
(n, p) d:32-Ge-77m1

34-^{Se}-79

Radionuclide Production Cross Section 0.000 To 96.42 %



Radionuclide Production Cross Section -60.94 To 105.5 %

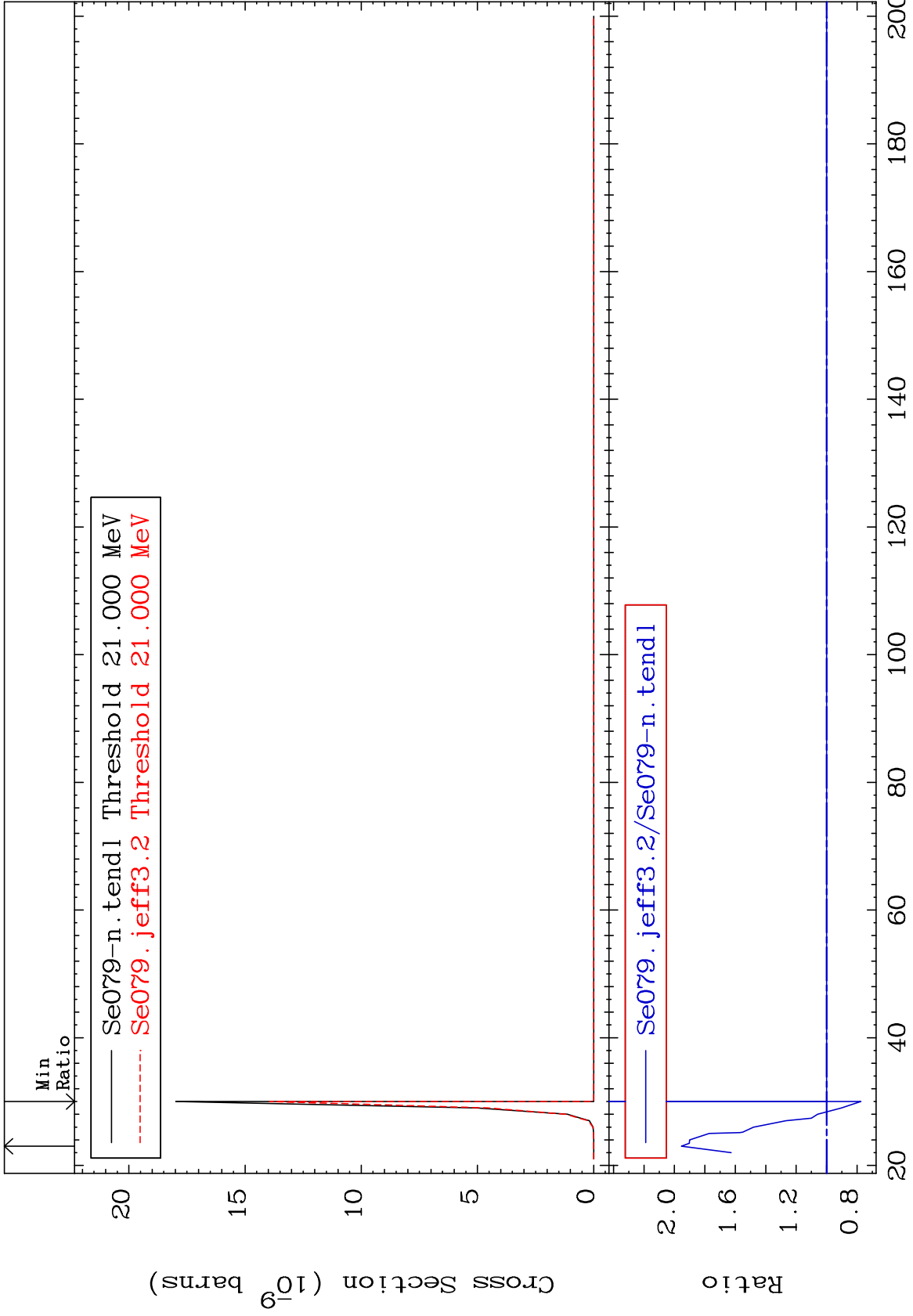


MAT 3440

(n, d) α :31-Ga-74m2

34-Se-79

Radionuclide Production Cross Section -22.47 To 95.36 %



99

Incident Energy (MeV)

34-Se-79