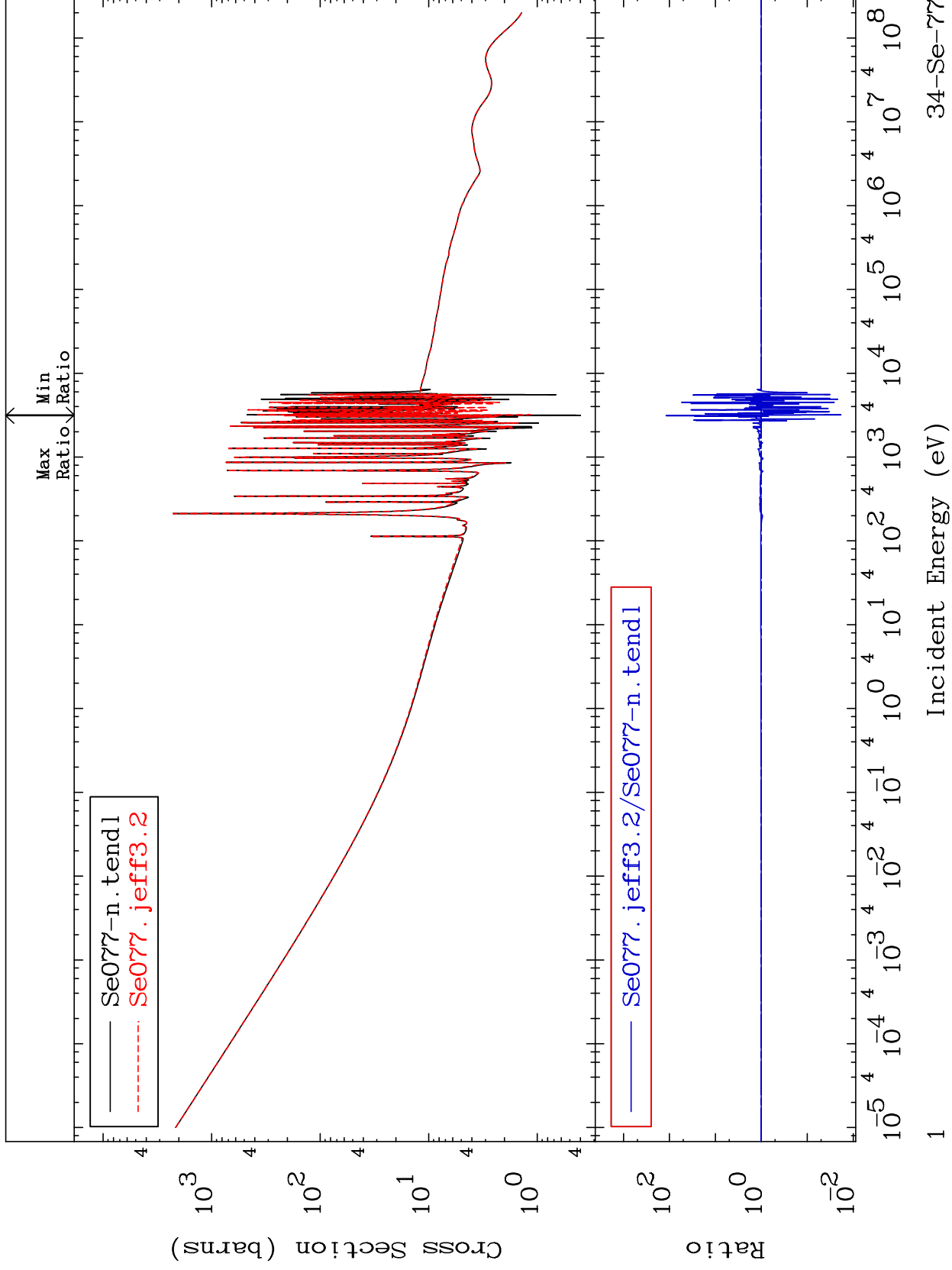


MAT 3434

Total
Cross Section

³⁴Se-77
-98.14 To 9999. %

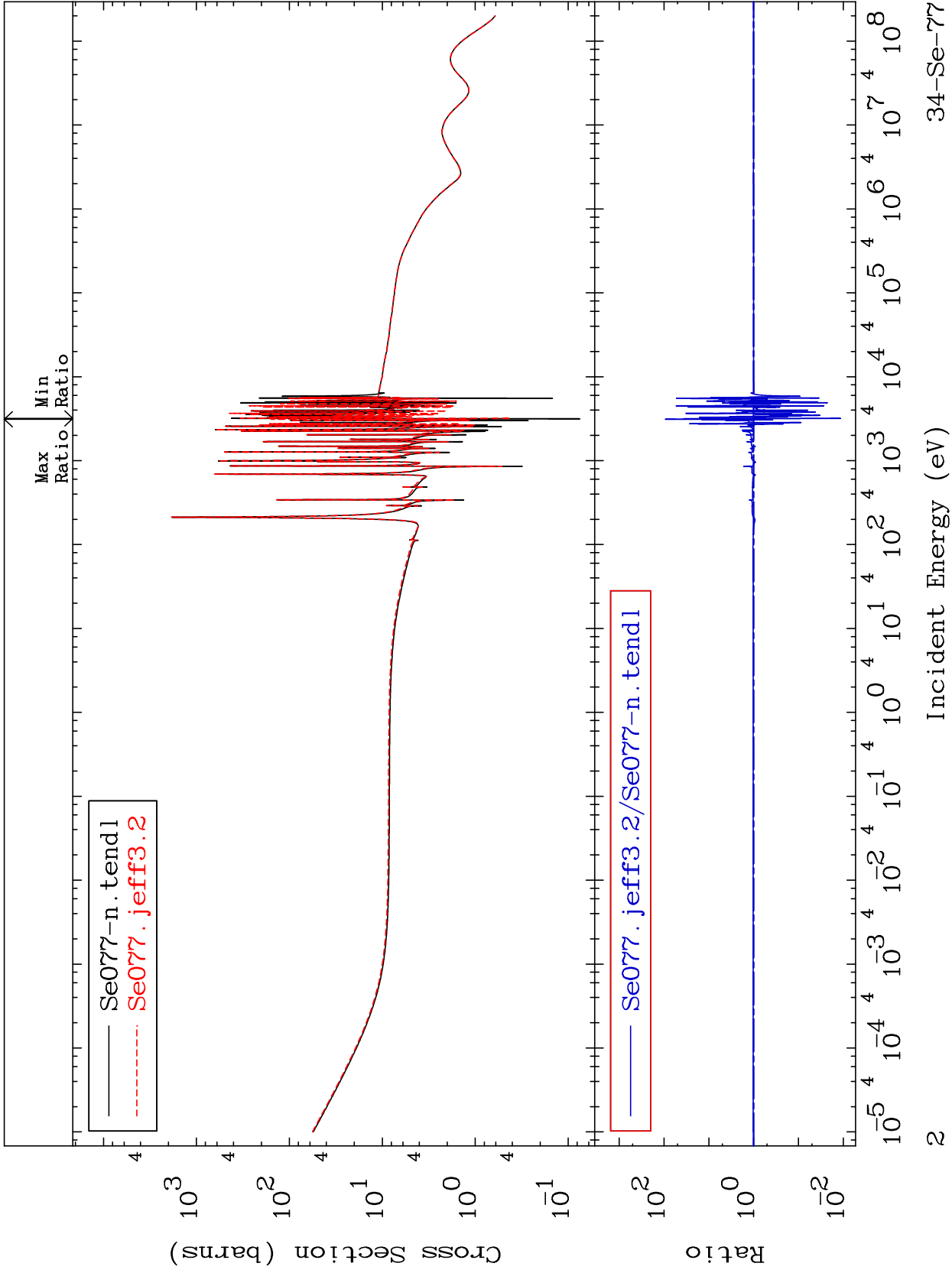


³⁴Se-77

MAT 3434

Elastic
Cross Section

34-Se-77
-98.86 To 9172. %



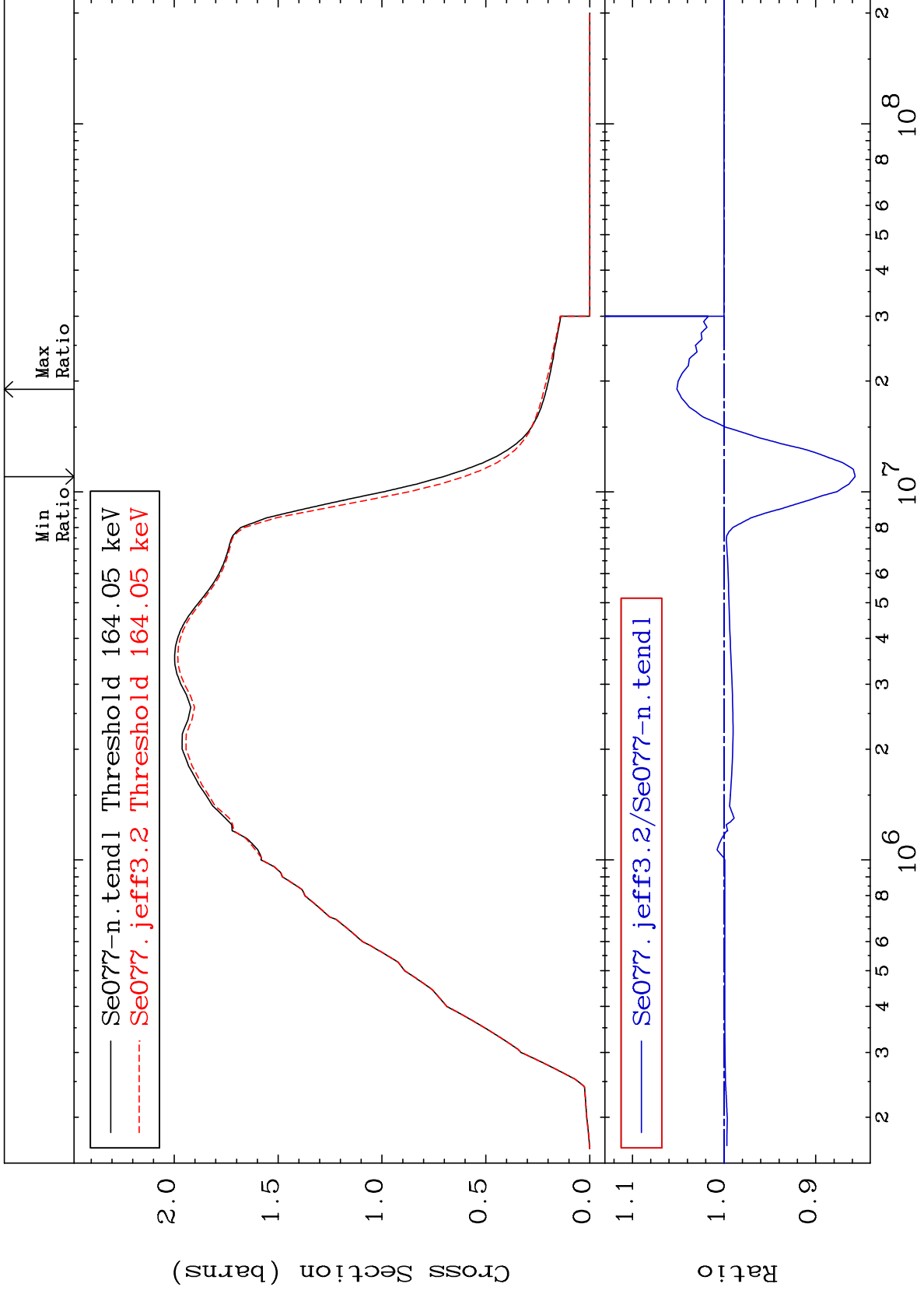
Incident Energy (eV)

34-Se-77

MAT 3434

Inelastic
Cross Section

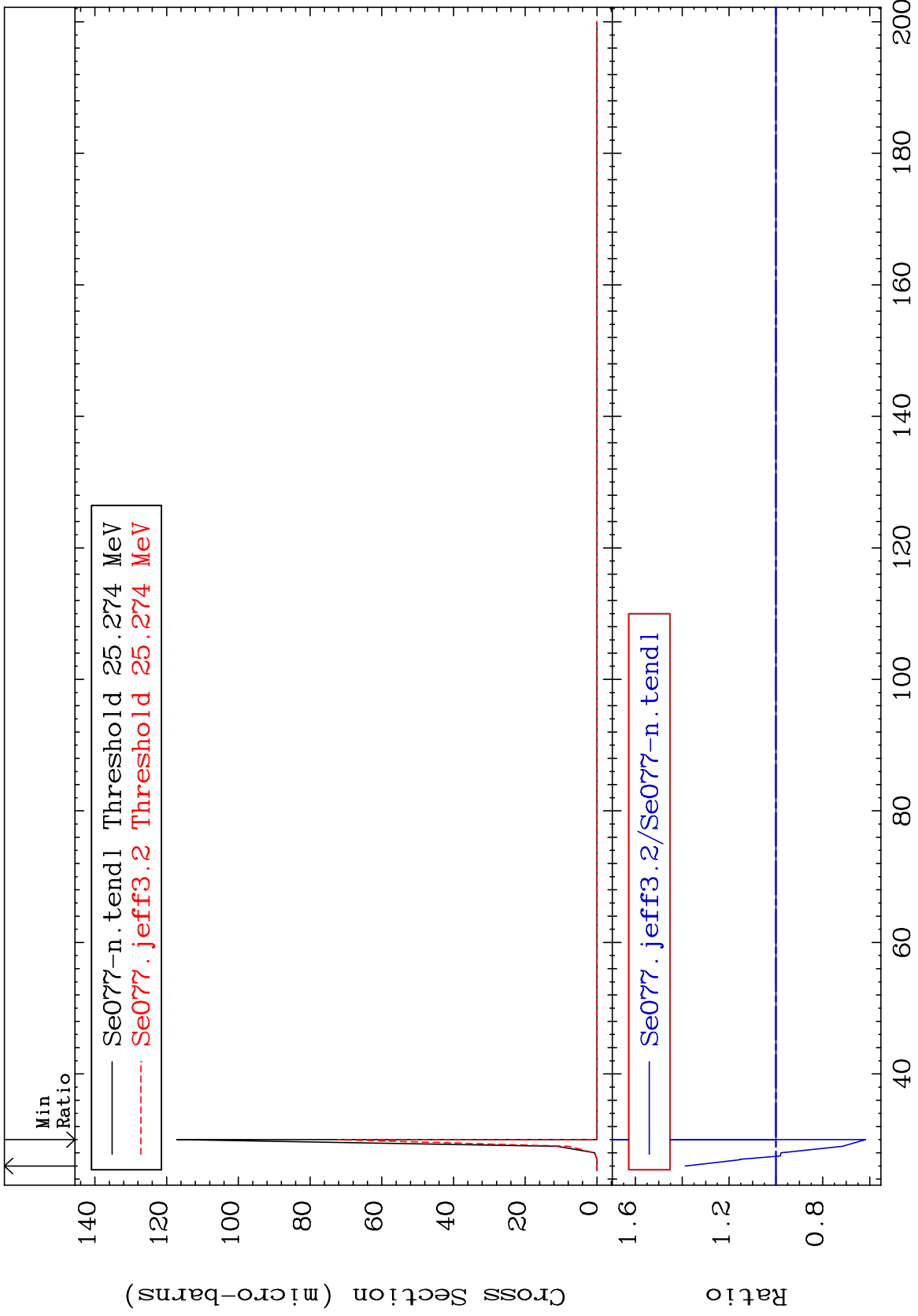
³⁴Se-77
-14.29 To 5.142 %



MAT 3434

(n,2n) d
Cross Section

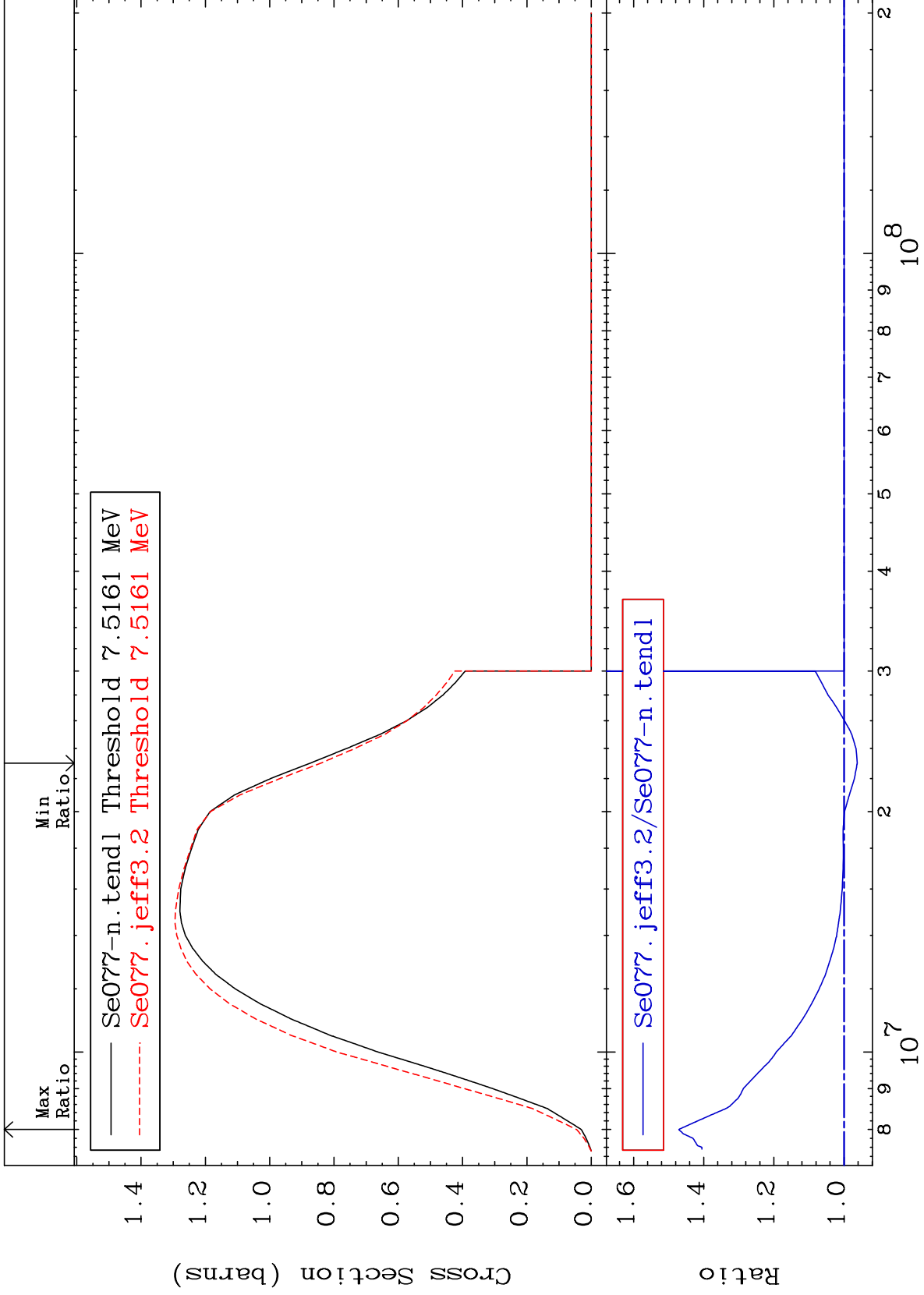
³⁴Se-77
-38.25 To 38.73 %



MAT 3434

(n,2n)
Cross Section

³⁴Se-77
-3.756 To 47.16 %



5

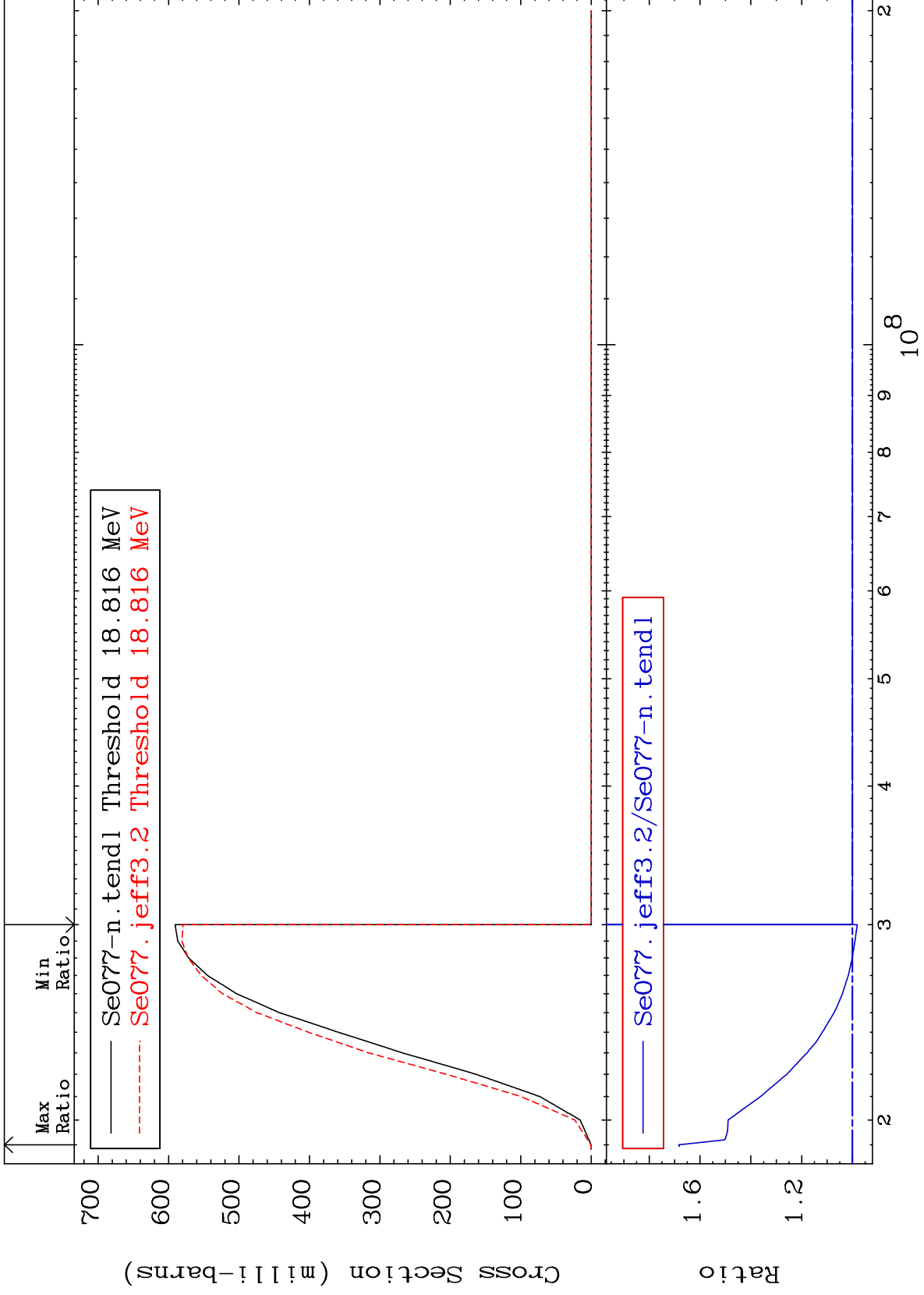
Incident Energy (eV)

³⁴Se-77

MAT 3434

(n,3n)
Cross Section

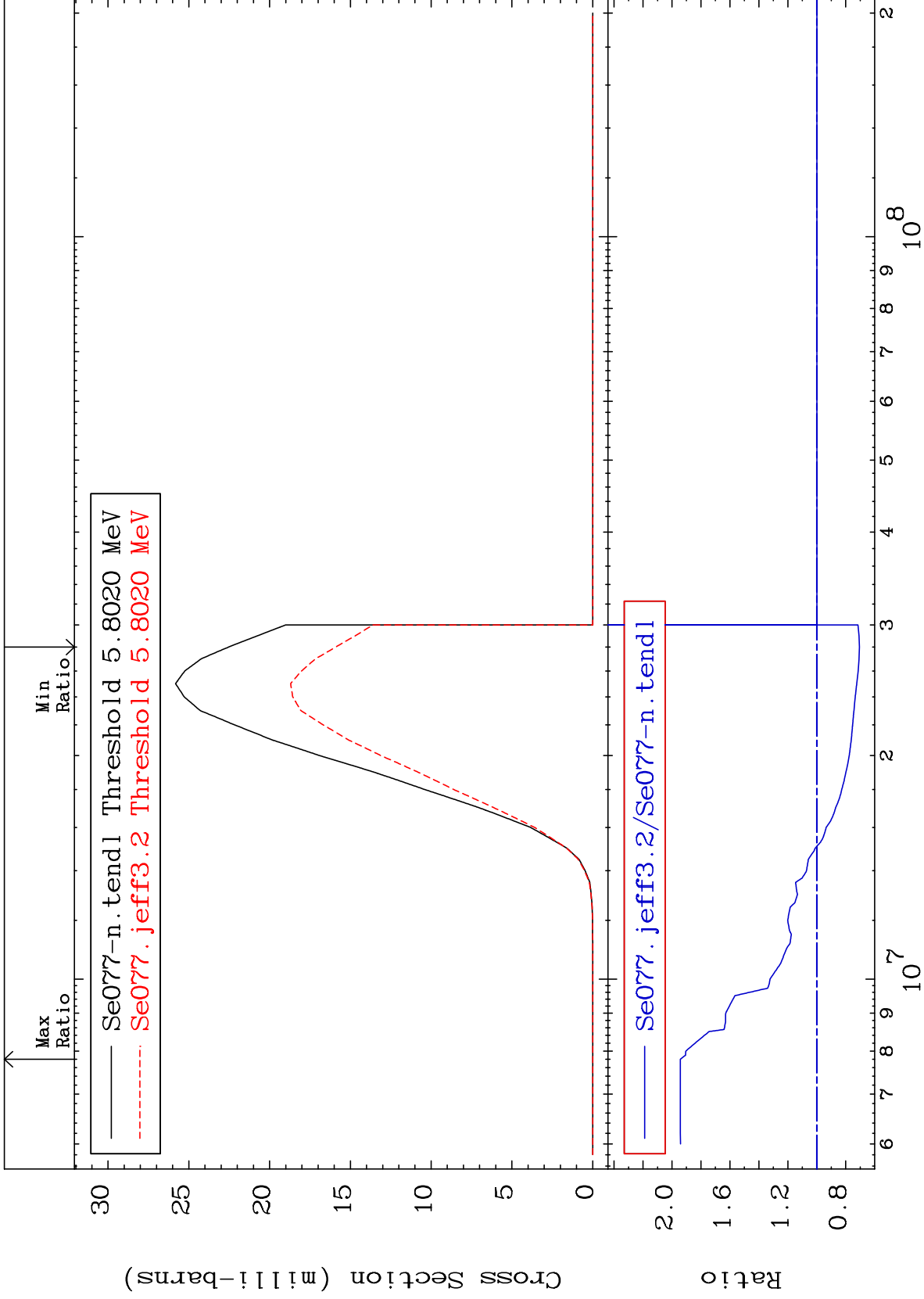
³⁴Se-77
-1.893 To 68.44 %



MAT 3434

(n, n') α
Cross Section

³⁴Se-77
-29.45 To 94.22 %



7

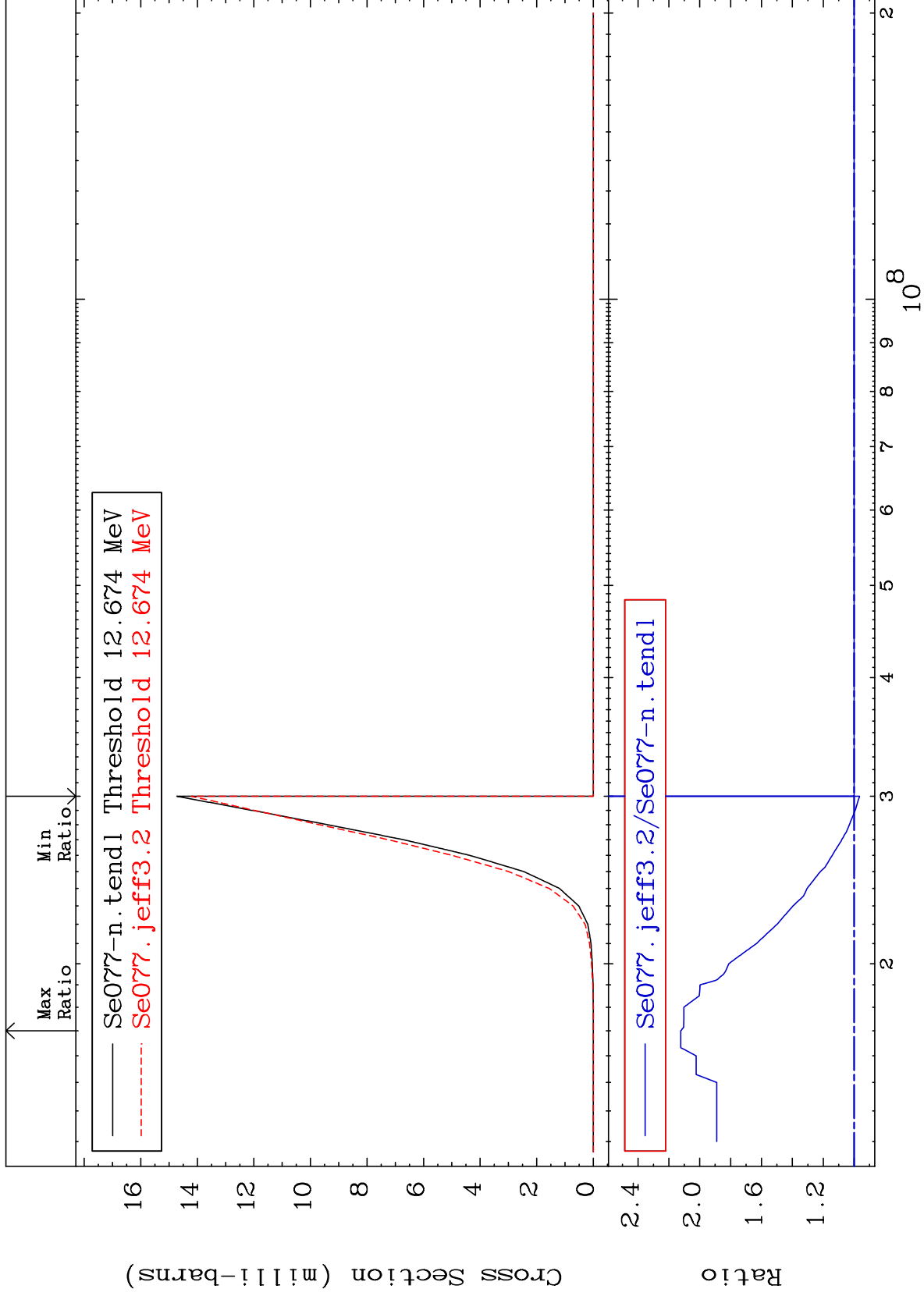
Incident Energy (eV)

³⁴Se-77

MAT 3434

(n,2n) α
Cross Section

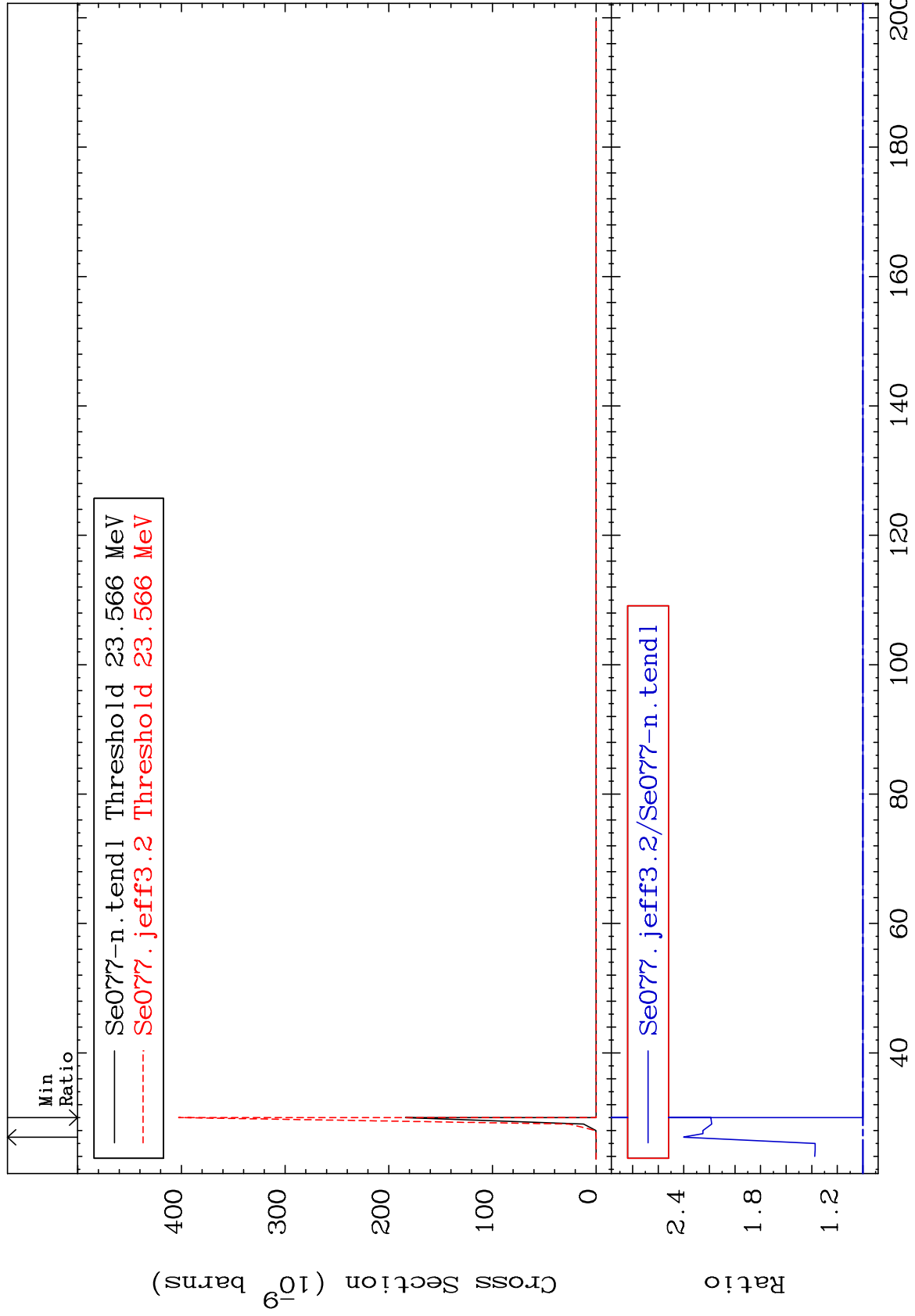
³⁴Se-77
-3.503 To 112.3 %



MAT 3434

(n,3n) α
Cross Section

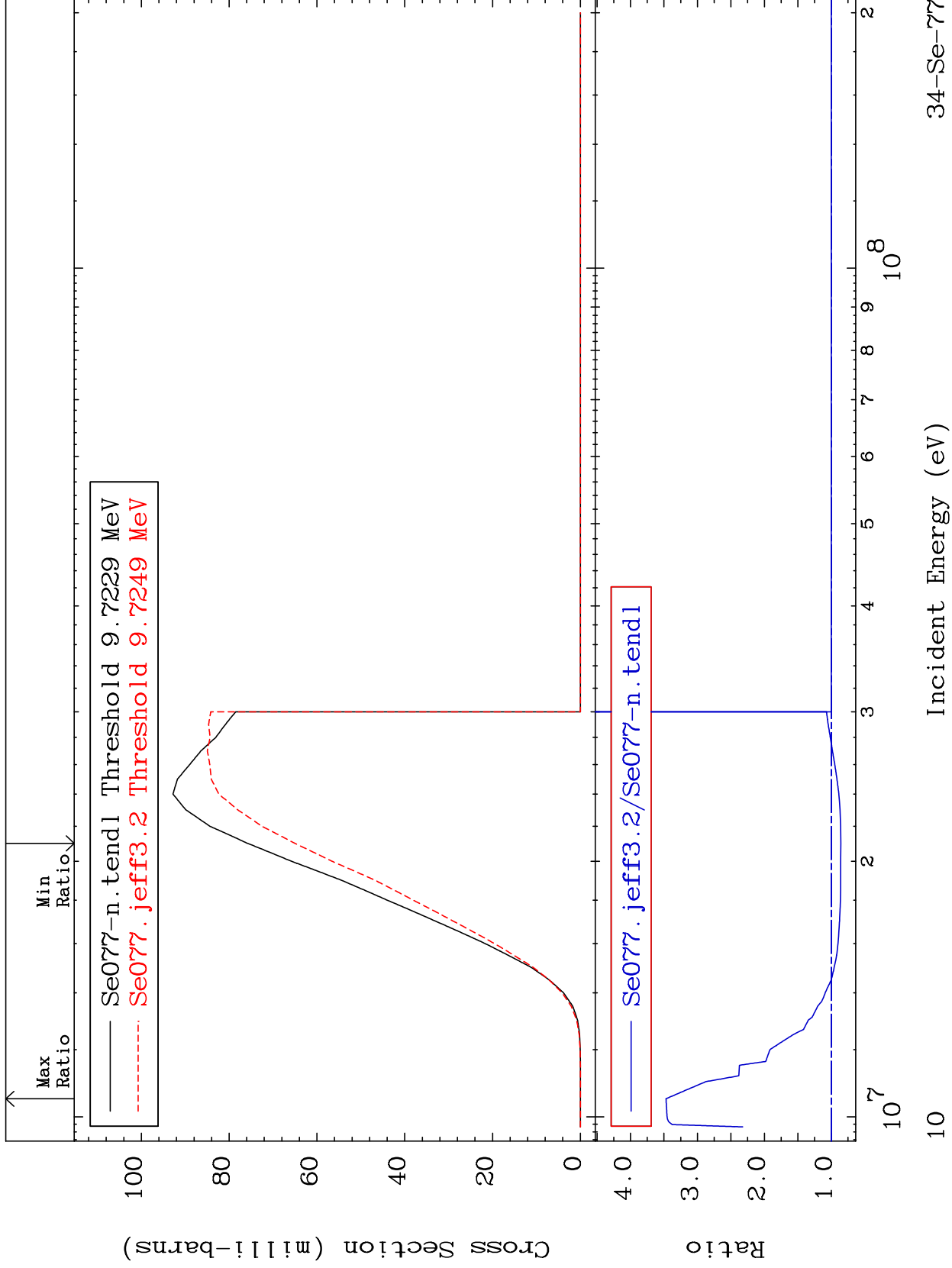
³⁴Se-77
To 140.0 %
0.000



MAT 3434

(n,n') p
Cross Section

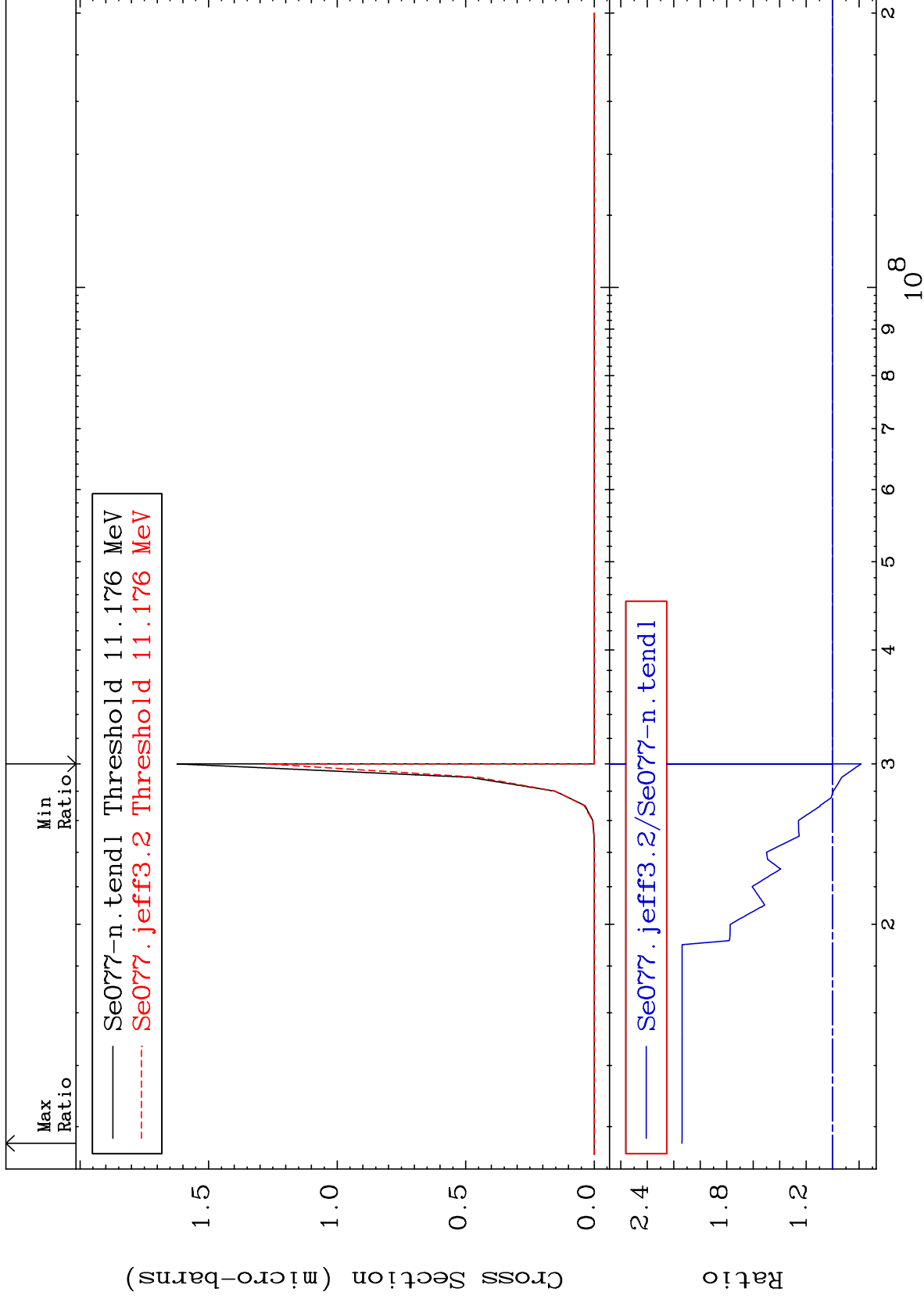
³⁴Se-77
-14.21 To 247.0 %



MAT 3434

(n,n') 2α
Cross Section

³⁴Se-77
-21.36 To 113.9 %



11

Incident Energy (eV)

³⁴Se-77

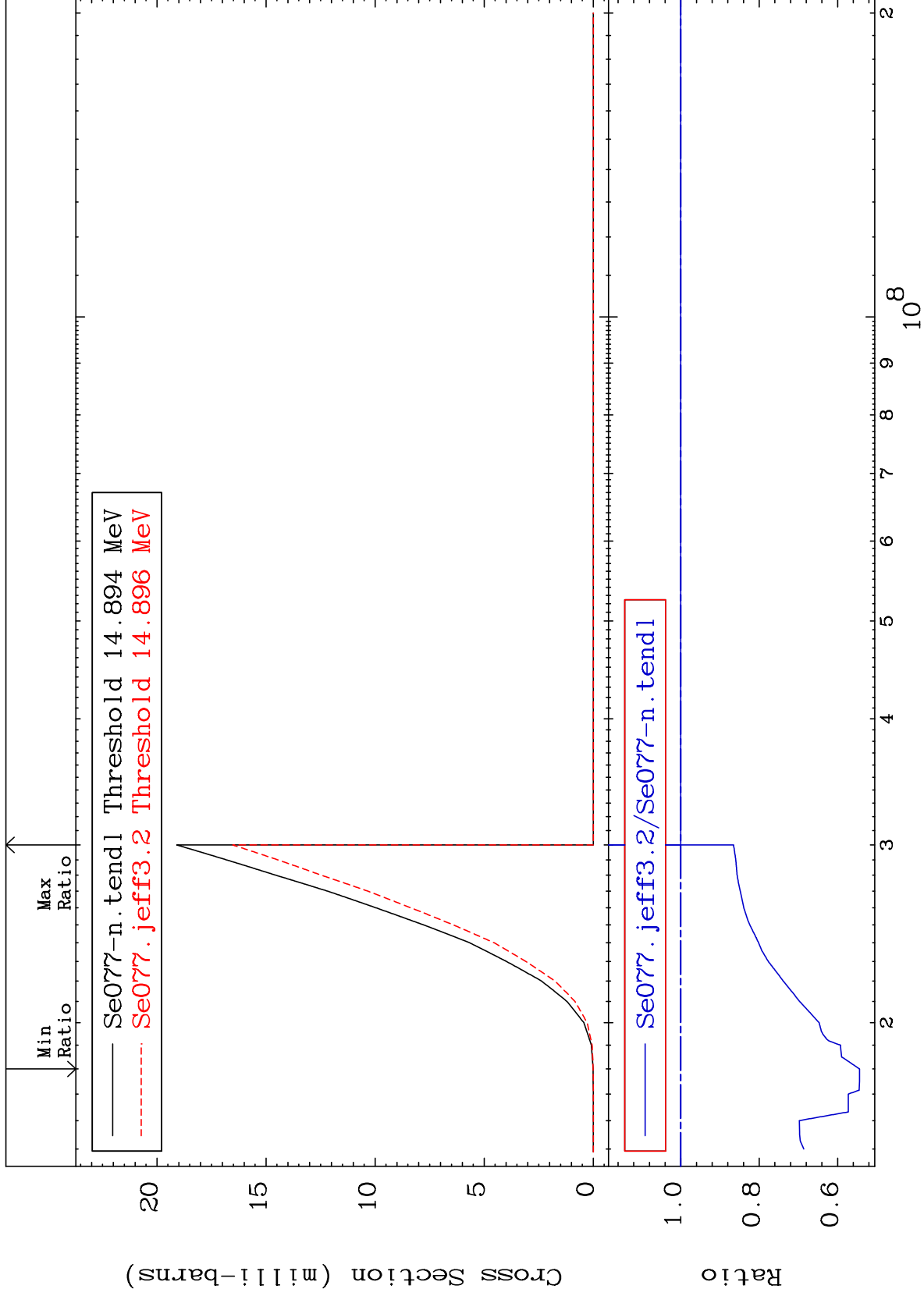
MAT 3434

(n,n') d

³⁴Se-77

Cross Section

-45.59 To 0.000 %



12

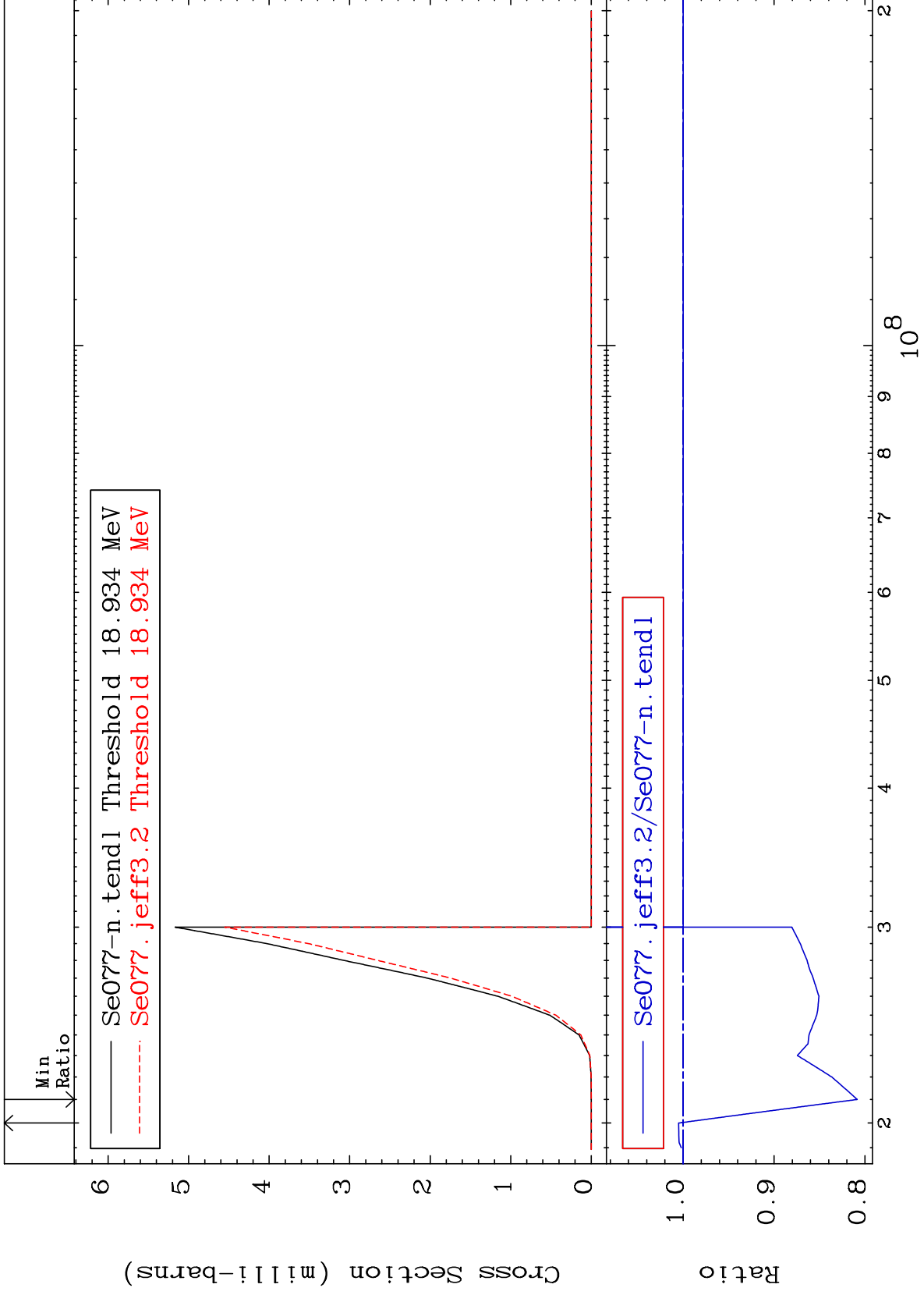
Incident Energy (eV)

³⁴Se-77

MAT 3434

(n,n') t
Cross Section

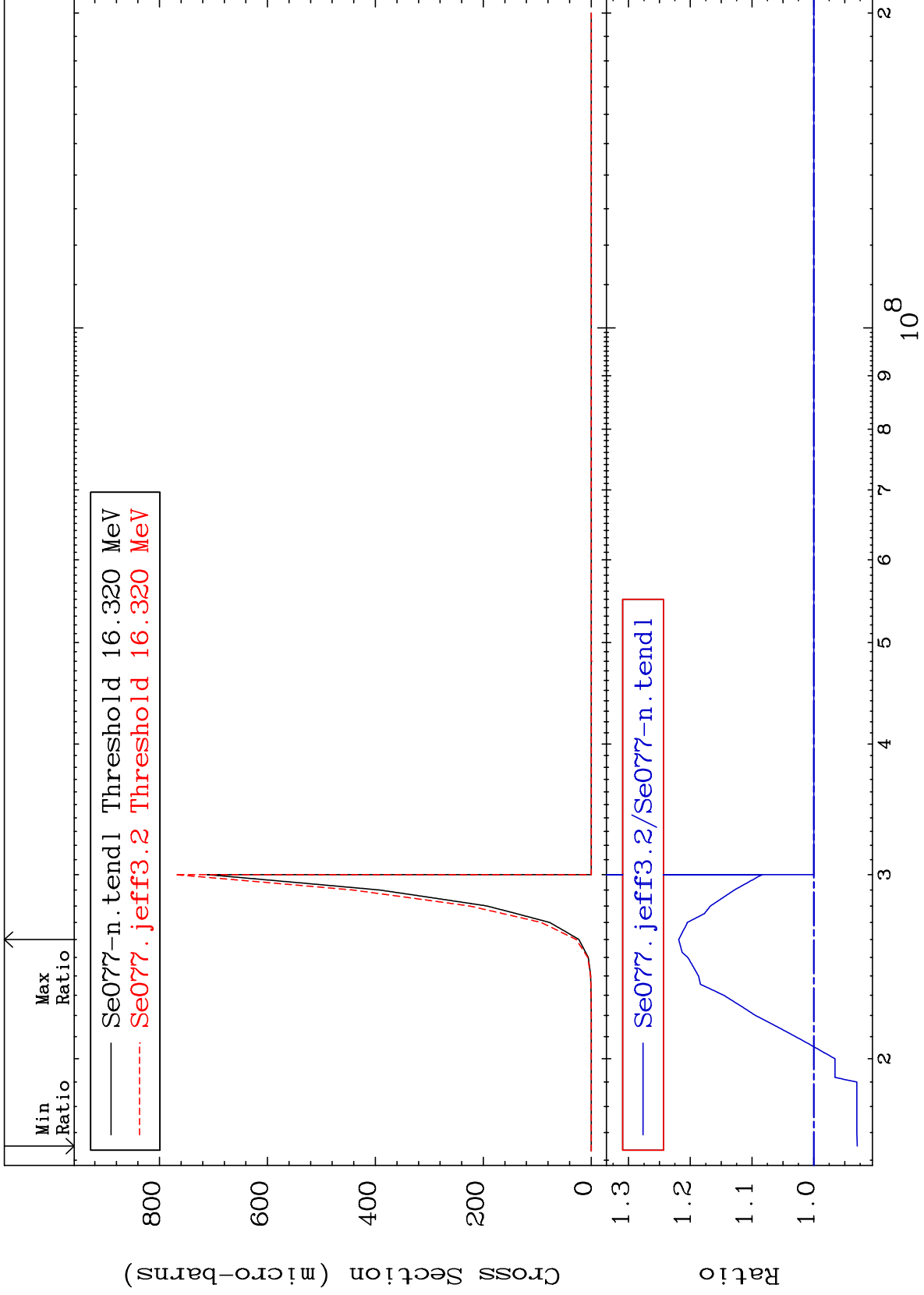
³⁴Se-77
-19.14 To 0.491 %



MAT 3434

(n, n') He-3
Cross Section

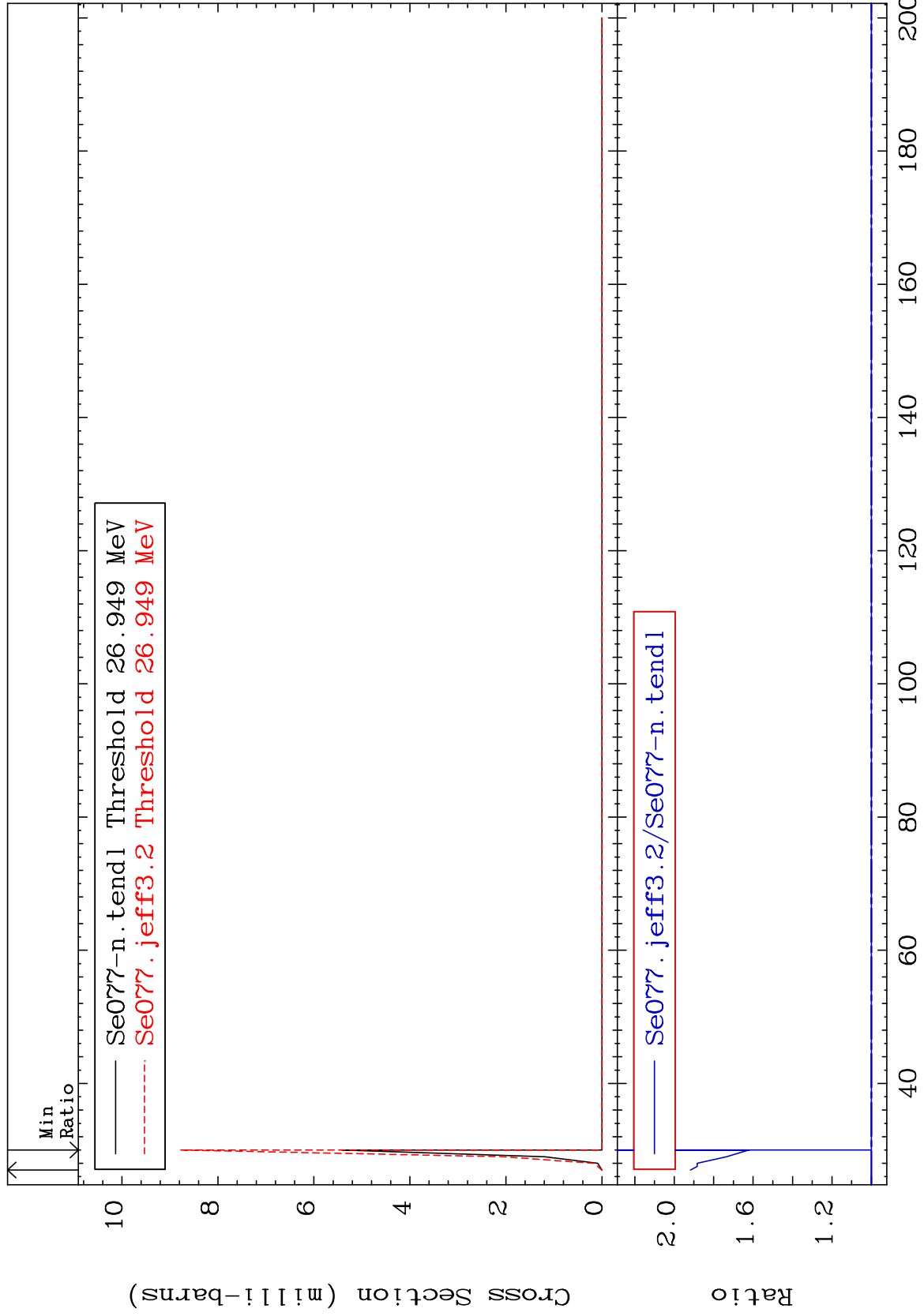
³⁴Se-77
-7.034 To 21.89 %



MAT 3434

(n,4n)
Cross Section

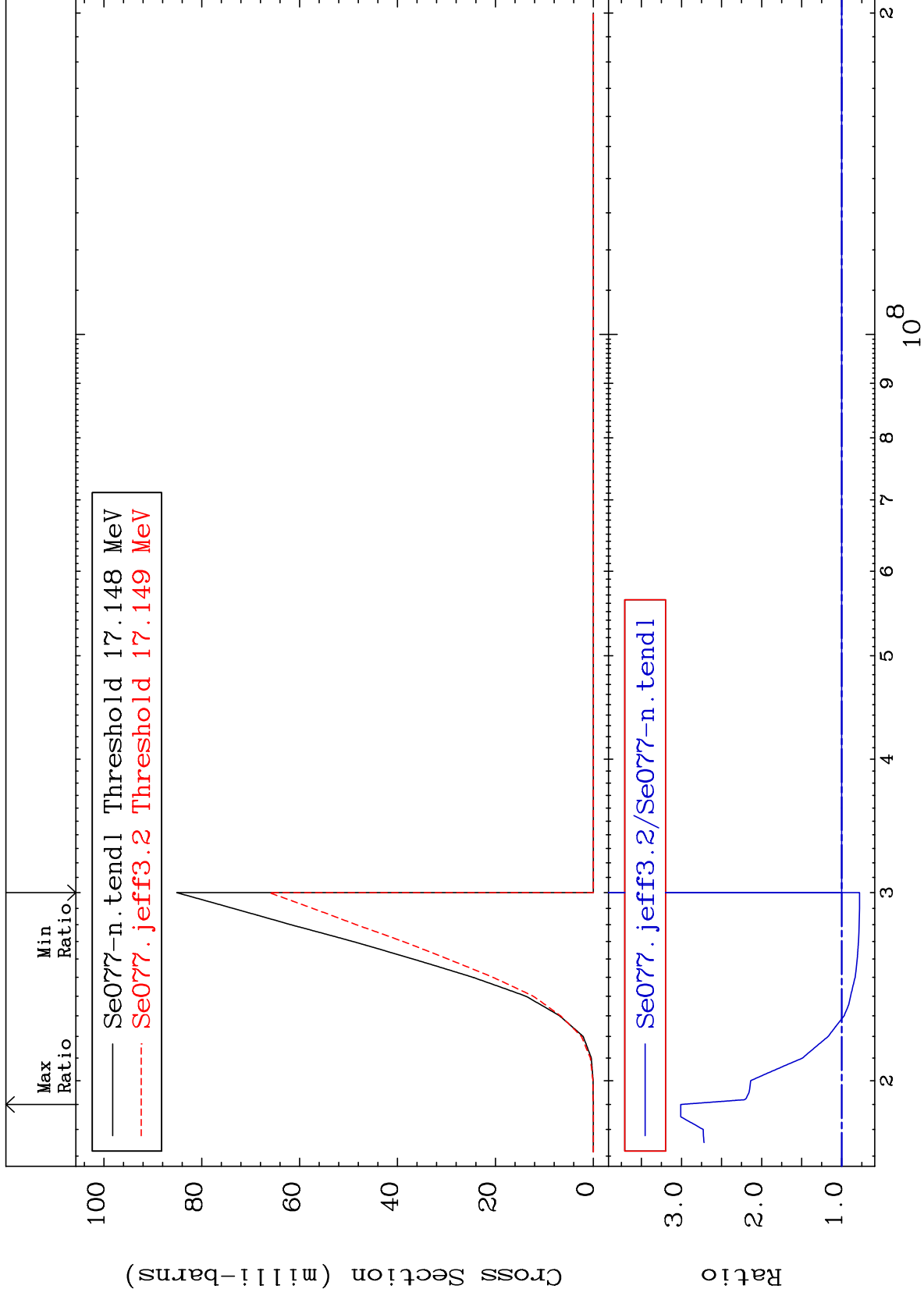
³⁴Se-77
To 91.73 %
0.000



MAT 3434

(n,2n) p
Cross Section

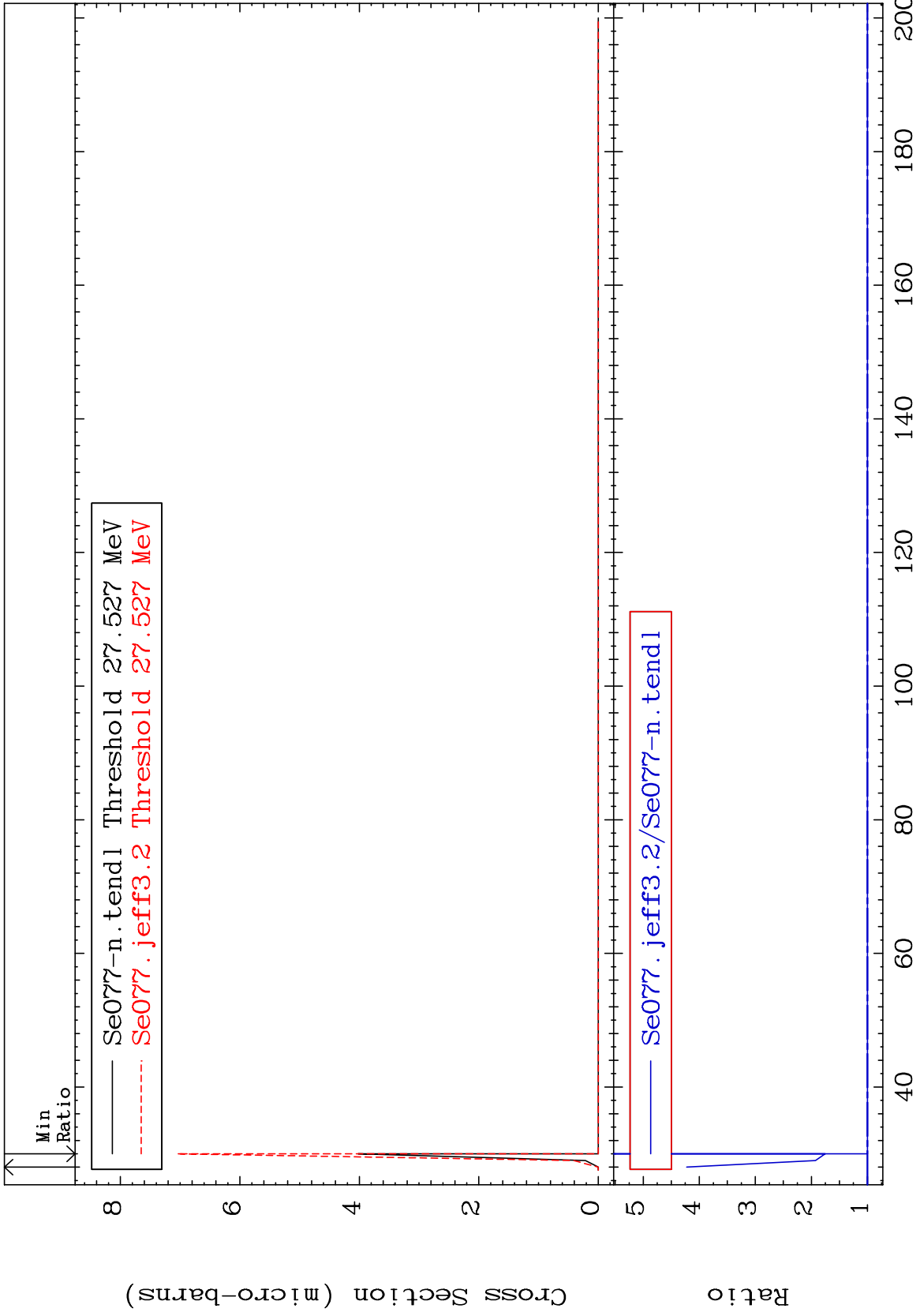
³⁴Se-77
-22.22 To 200.9 %

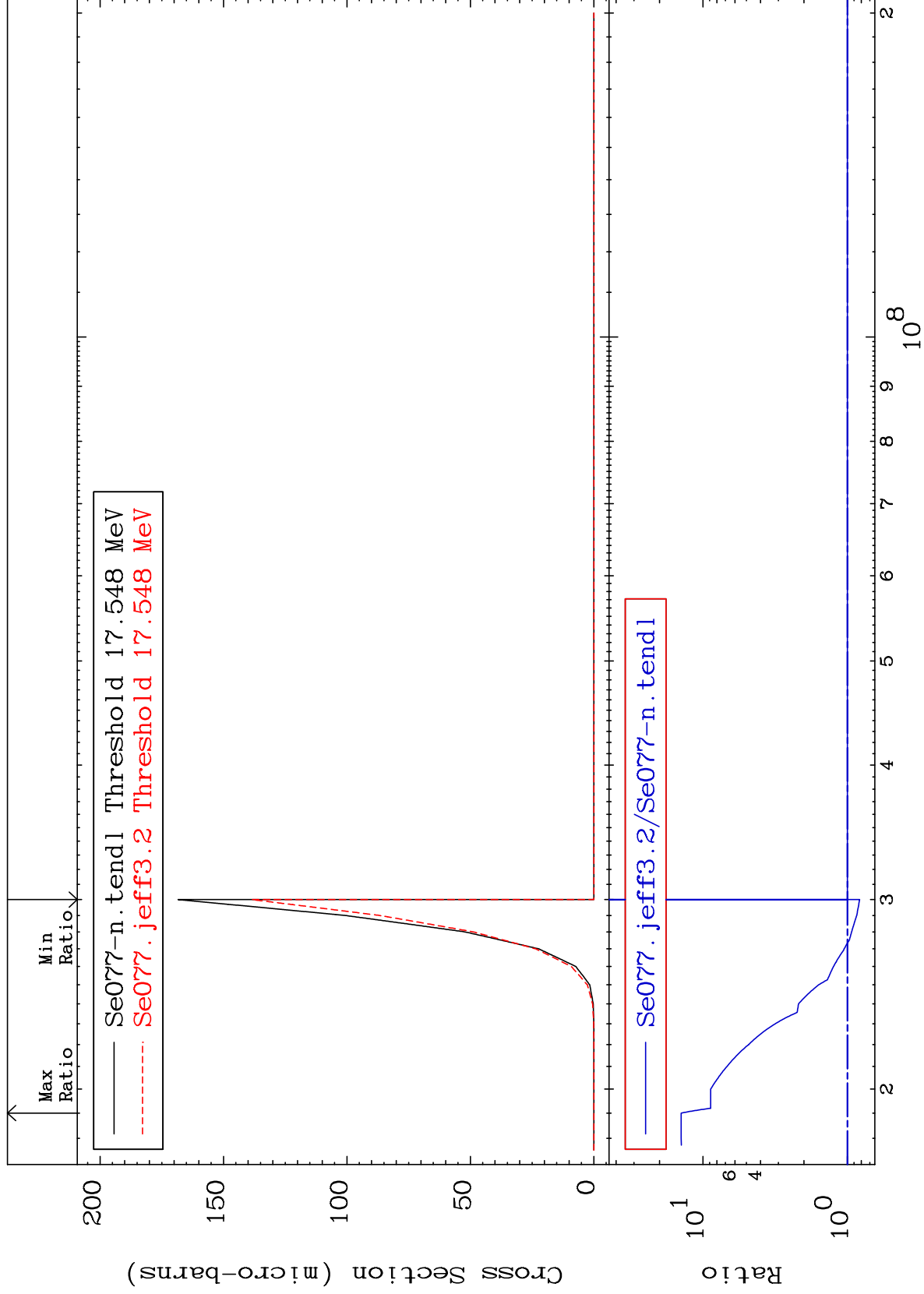


MAT 3434

(n,3n) p
Cross Section

³⁴Se-77
0.000 To 322.4 %

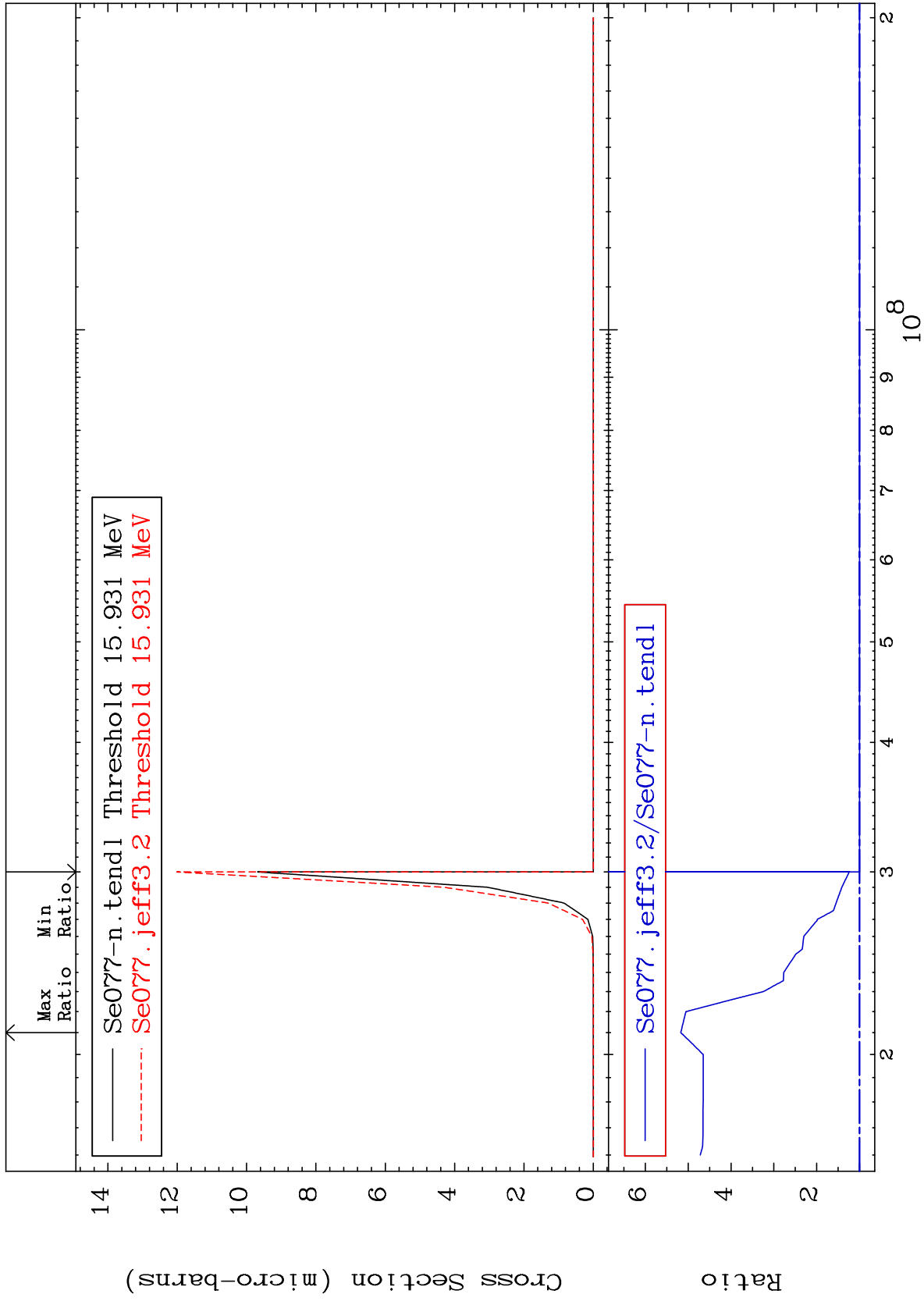




MAT 3434

(n,n') p α
Cross Section

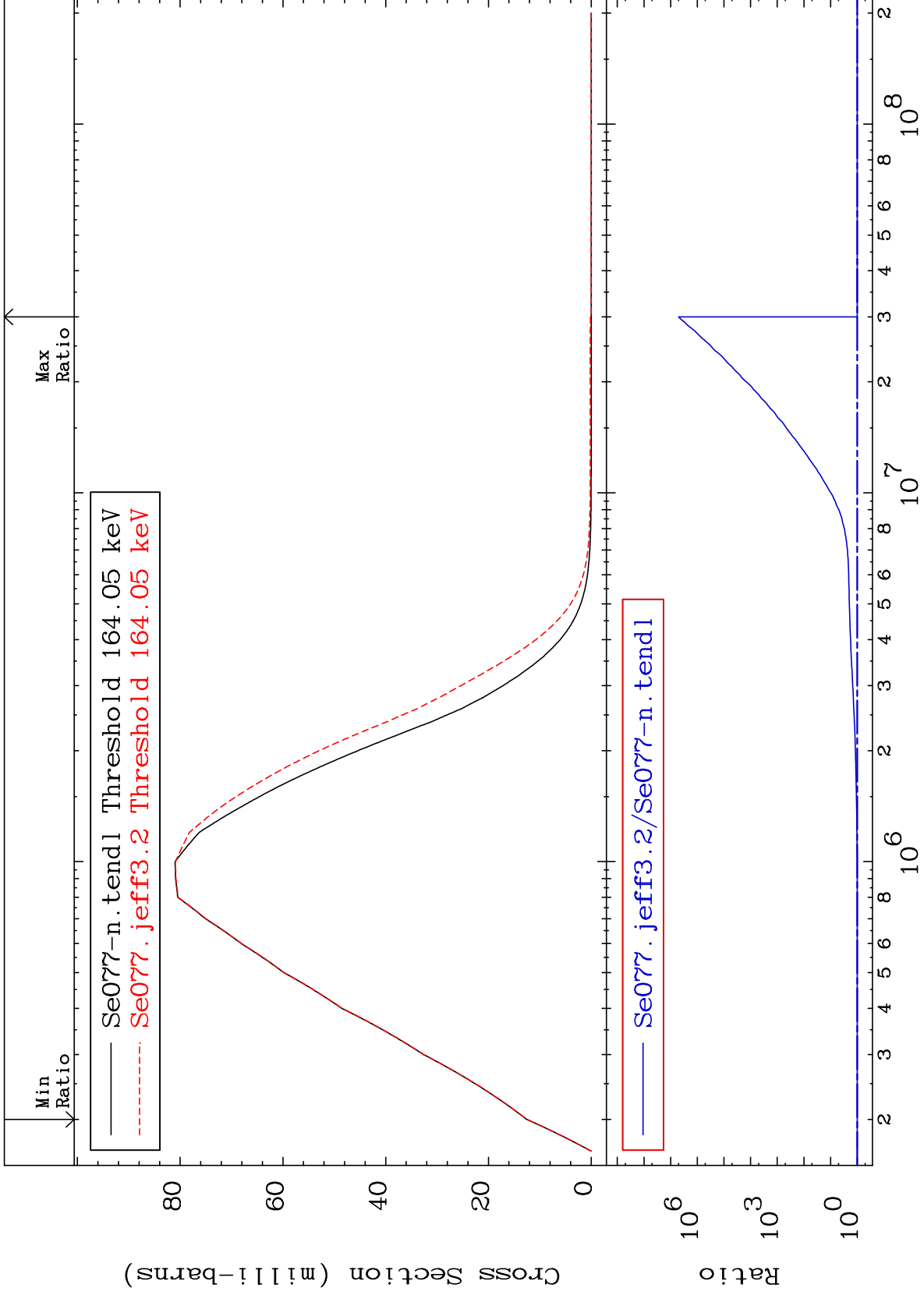
³⁴Se-77
To 417.4 %
0.000



MAT 3434

161.9 keV (n,n') Level
Cross Section

34-Se-77
-0.311 To 9999. %



20

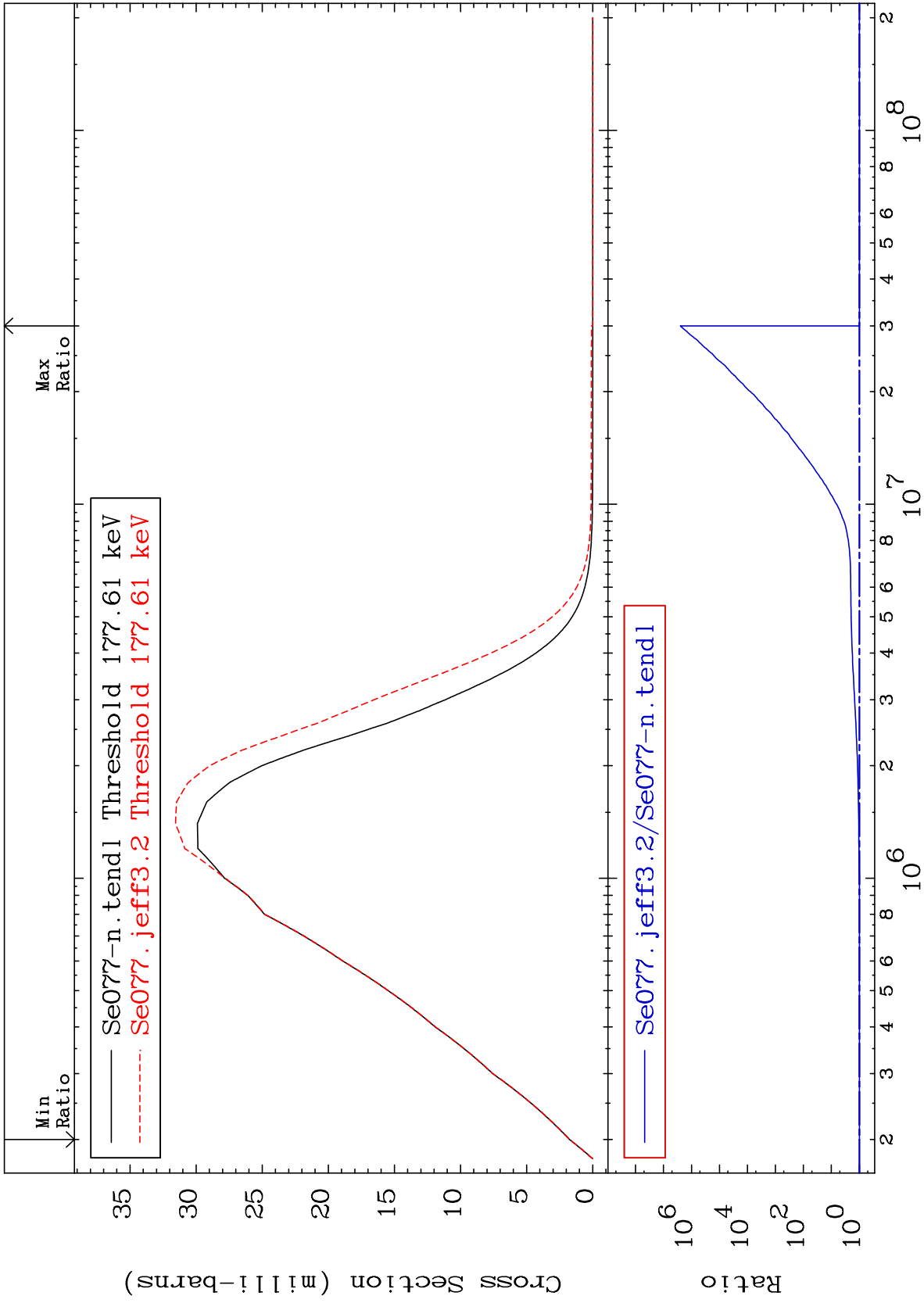
Incident Energy (eV)

34-Se-77

MAT 3434

175.3 keV (n,n') Level
Cross Section

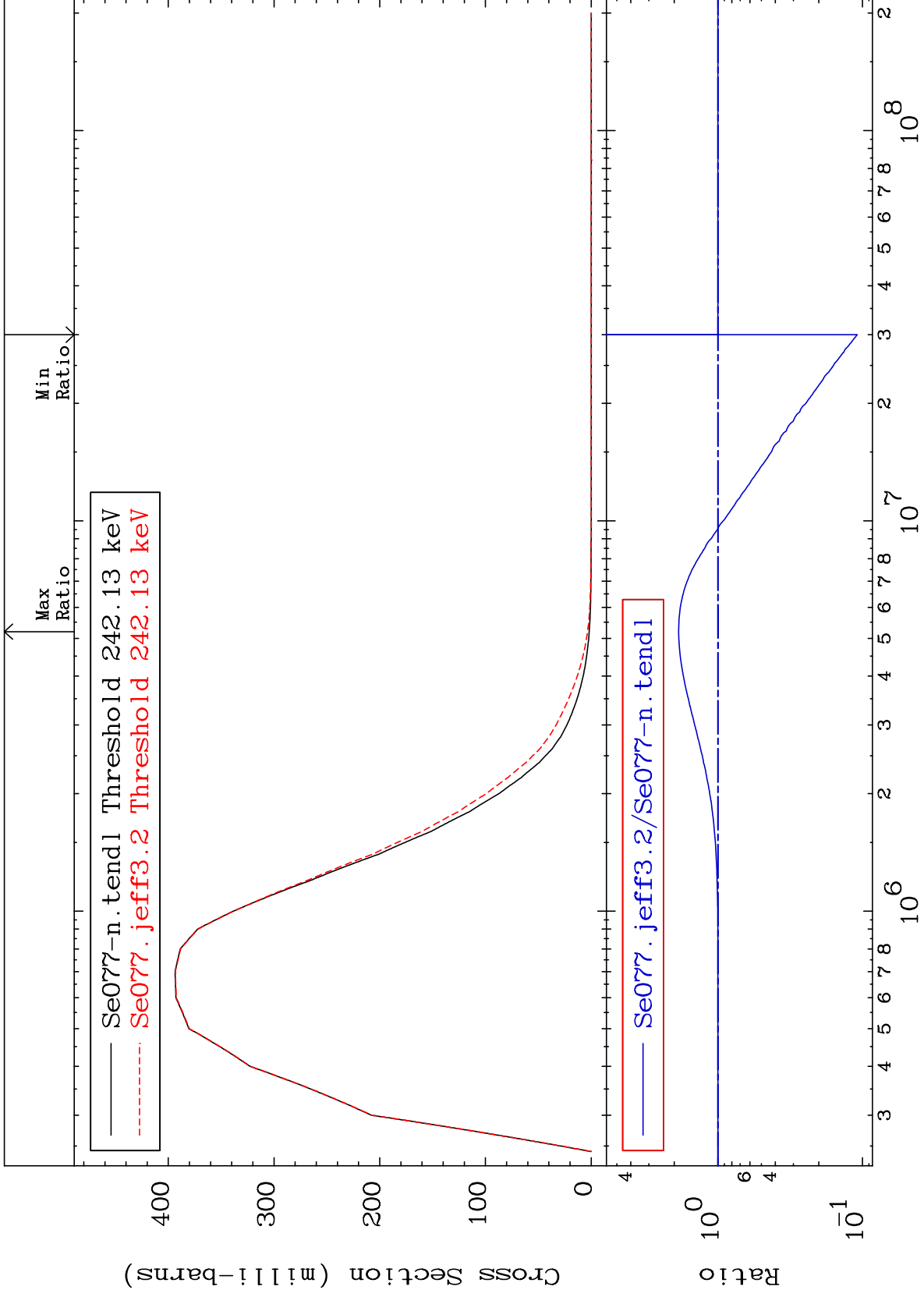
34-Se-77
-0.564 To 9999. %



MAT 3434

239.0 keV (n,n') Level
Cross Section

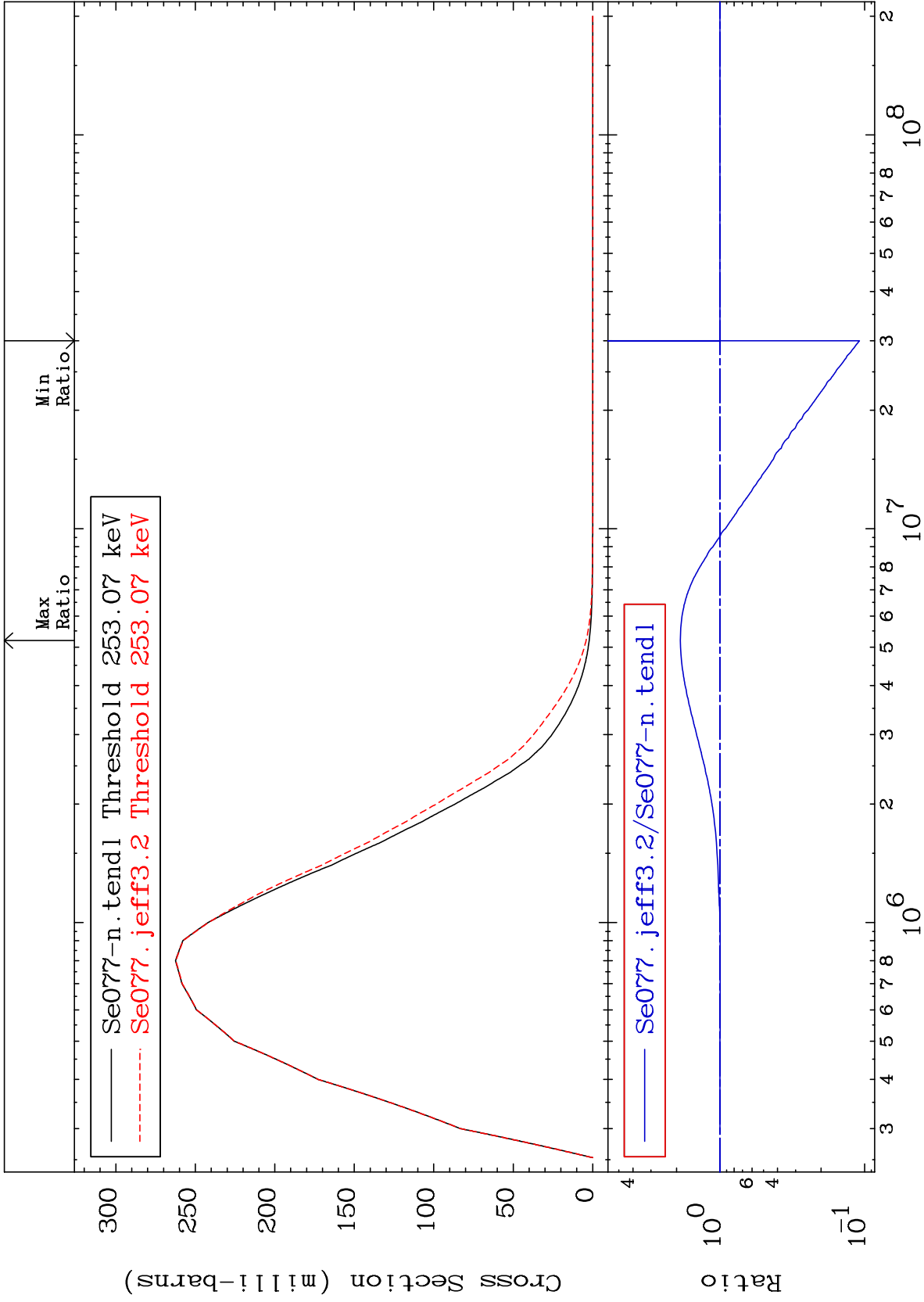
³⁴Se-77
-89.15 To 86.66 %



MAT 3434

249.8 keV (n,n') Level
Cross Section

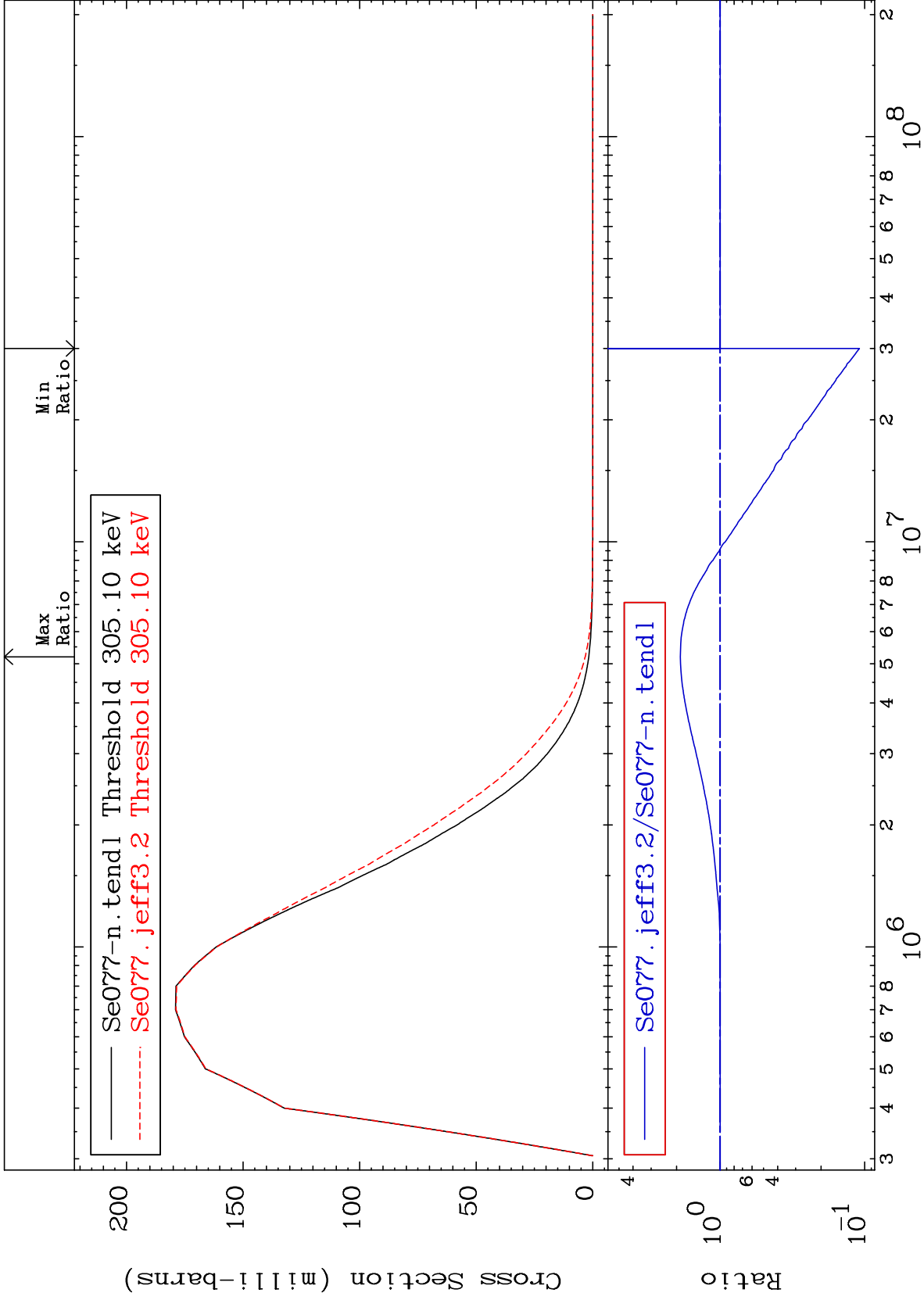
³⁴Se-77
-89.13 To 87.96 %



MAT 3434

301.2 keV (n,n') Level
Cross Section

³⁴Se-77
-89.13 To 88.13 %



24

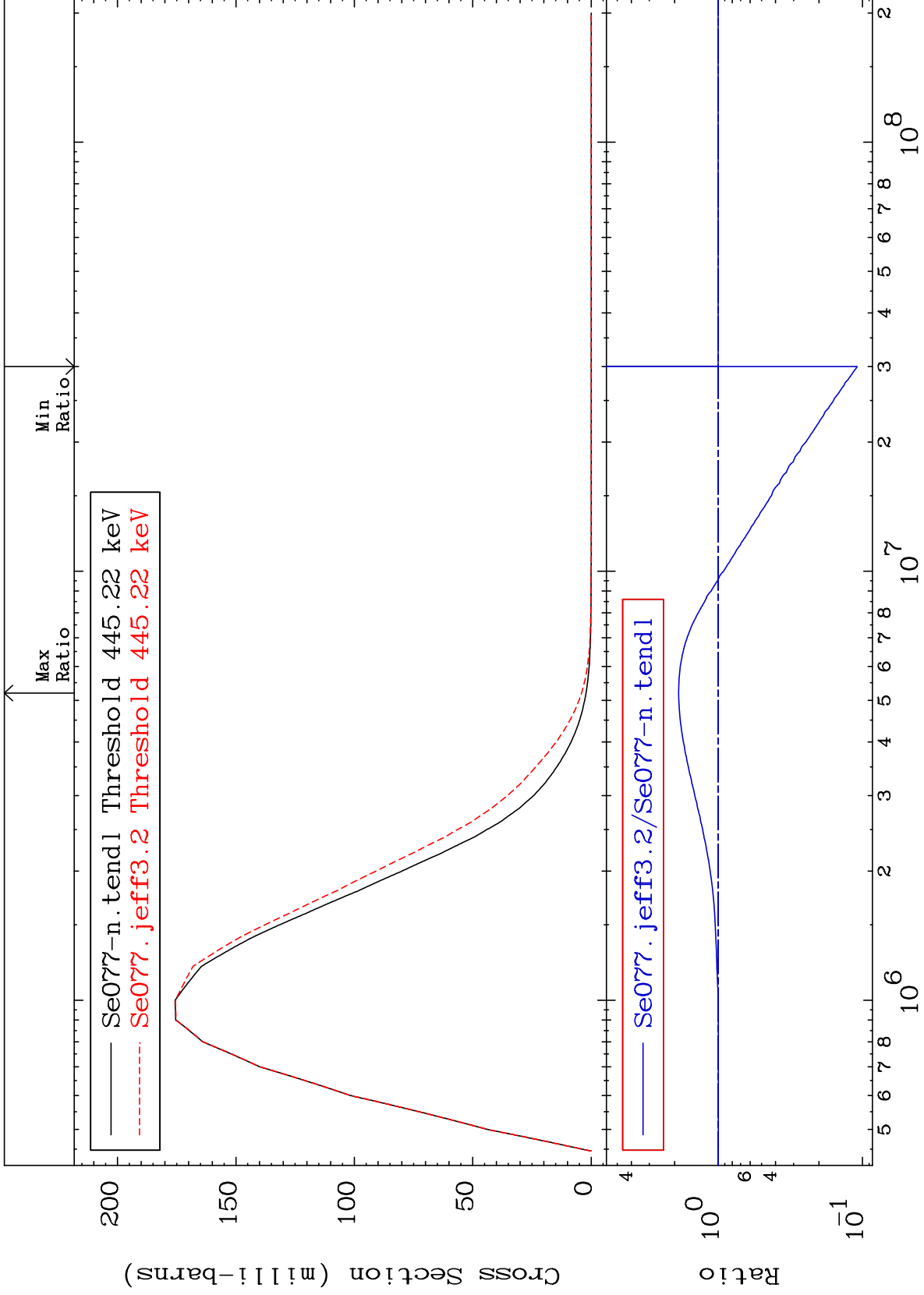
Incident Energy (eV)

³⁴Se-77

MAT 3434

439.5 keV (n,n') Level
Cross Section

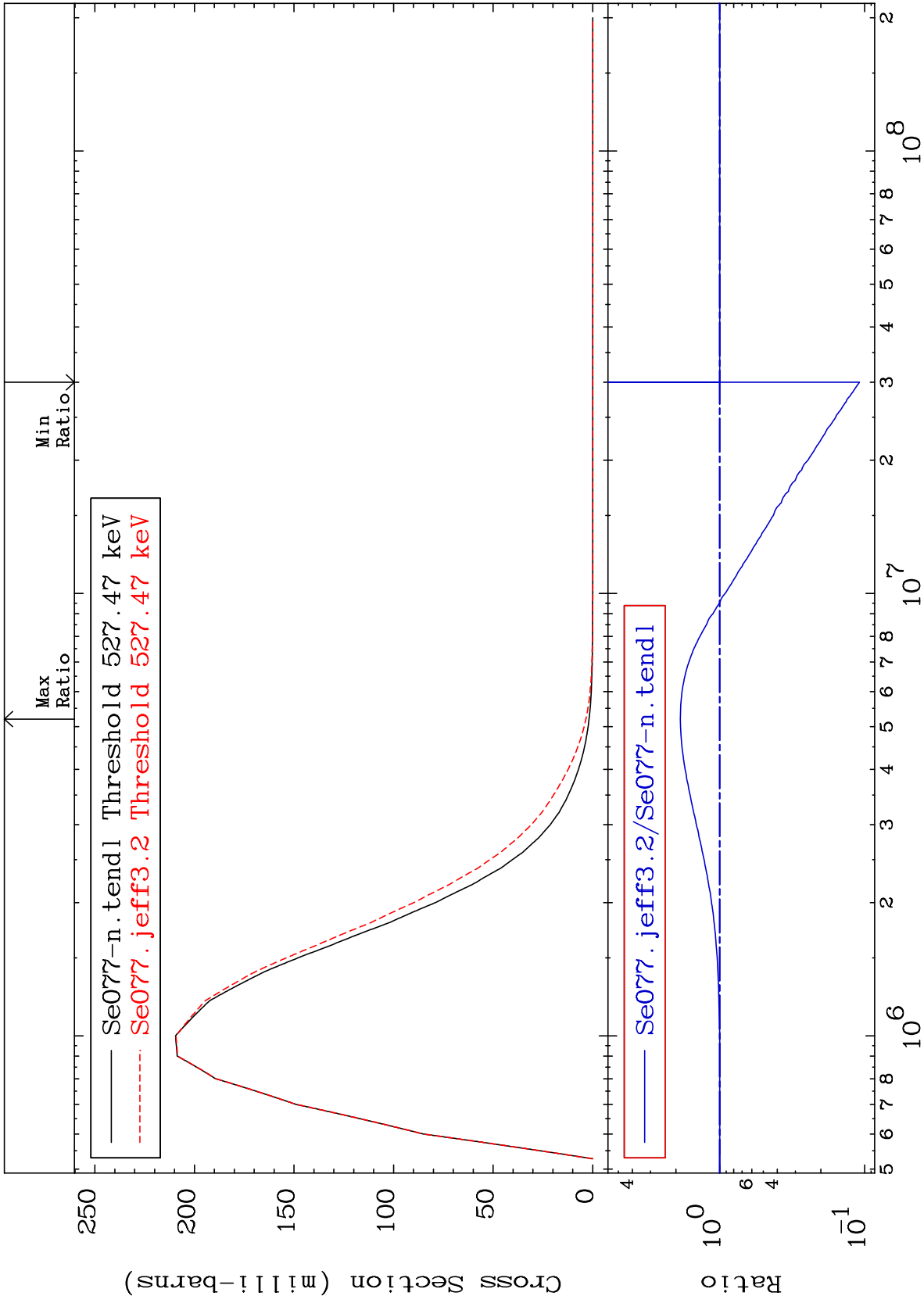
³⁴Se-77
-89.13 To 87.94 %



MAT 3434

520.6 keV (n,n') Level
Cross Section

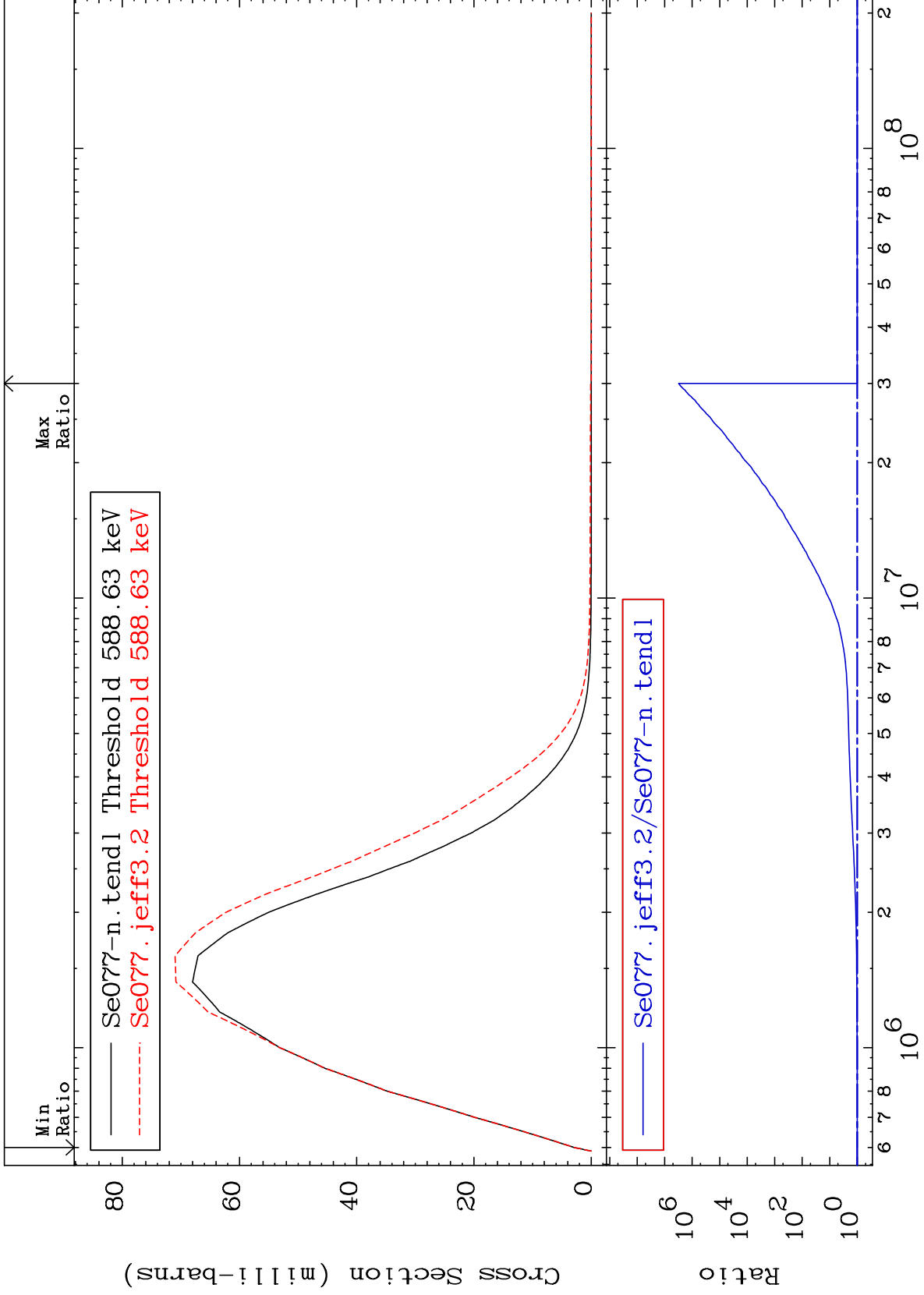
³⁴Se-77
-89.15 To 86.59 %



MAT 3434

581.0 keV (n,n') Level
Cross Section

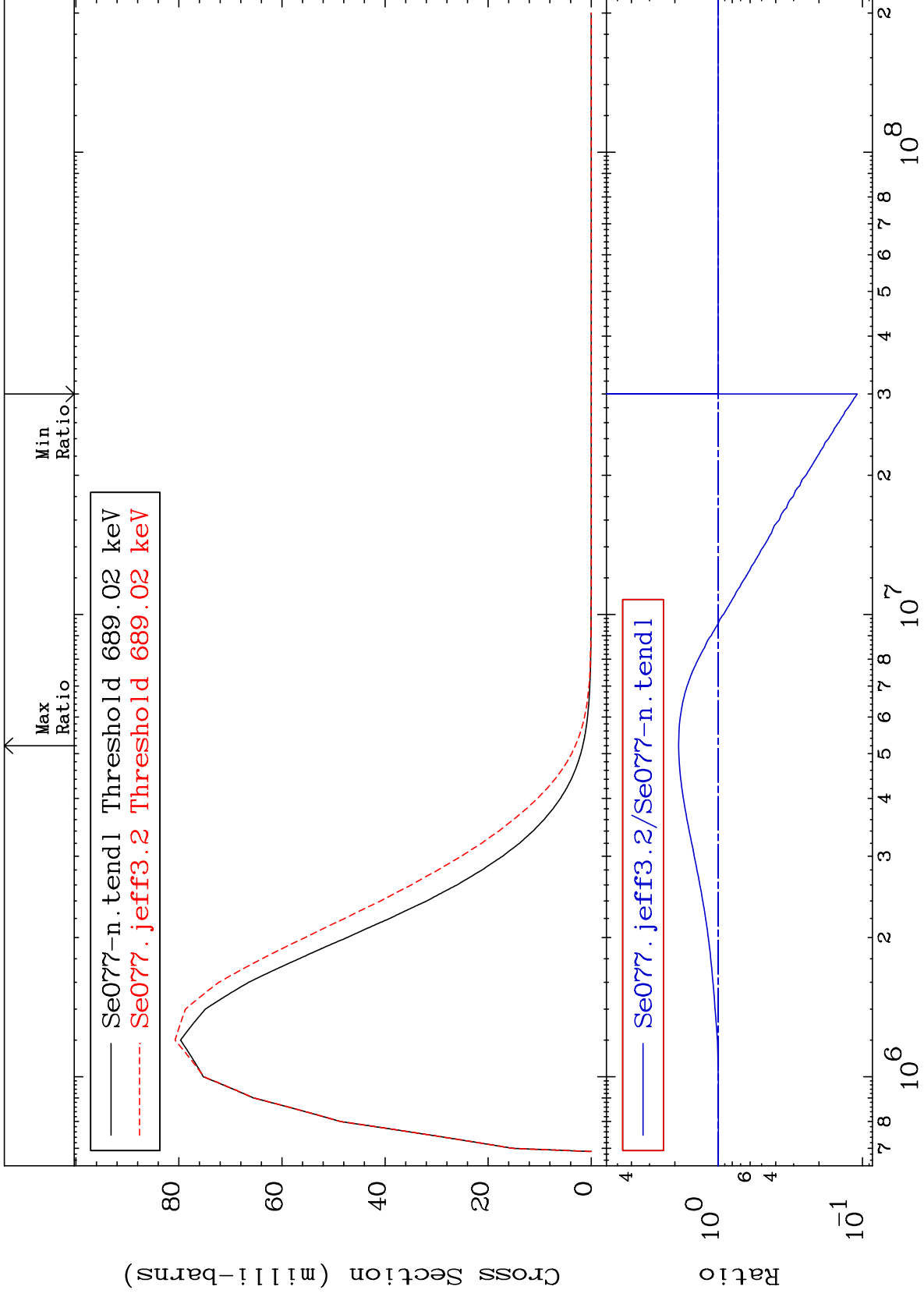
³⁴Se-77
-0.135 To 9999. %



MAT 3434

680.1 keV (n,n') Level
Cross Section

³⁴Se-77
-89.13 To 88.08 %



28

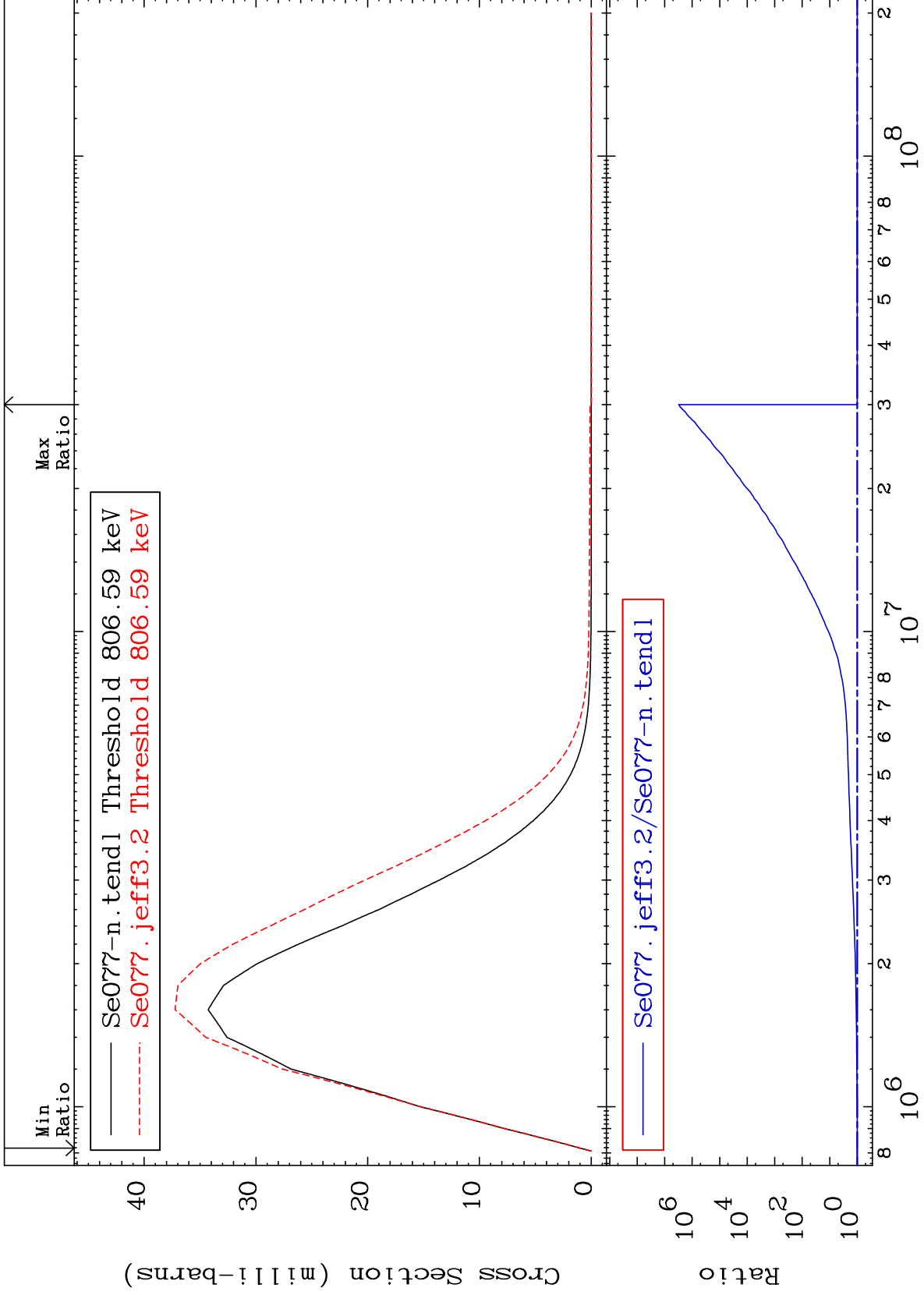
Incident Energy (eV)

³⁴Se-77

MAT 3434

796.2 keV (n,n') Level
Cross Section

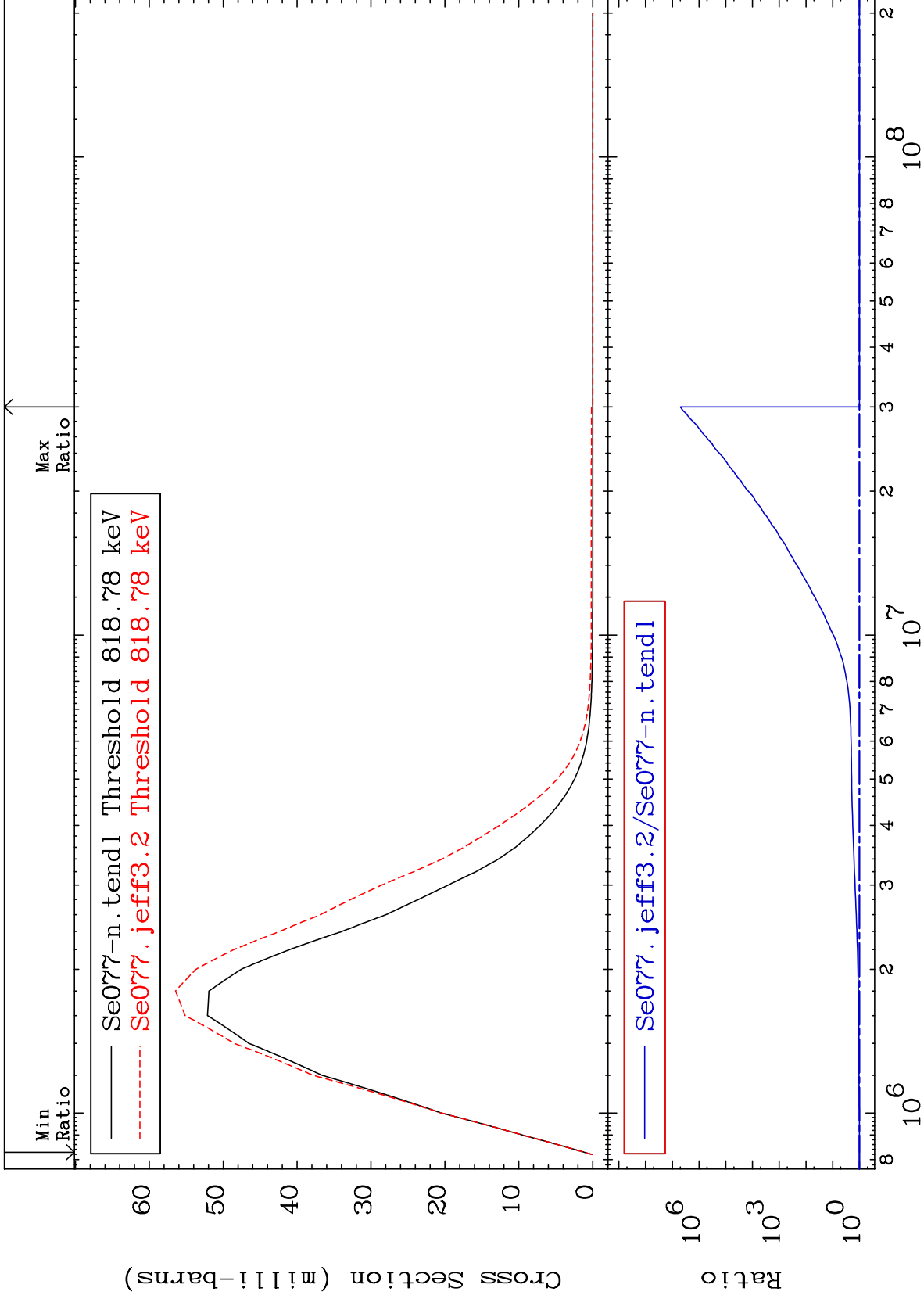
34-Se-77
-0.120 To 9999. %



MAT 3434

808.2 keV (n,n') Level
Cross Section

34-Se-77
-0.094 To 9999. %



30

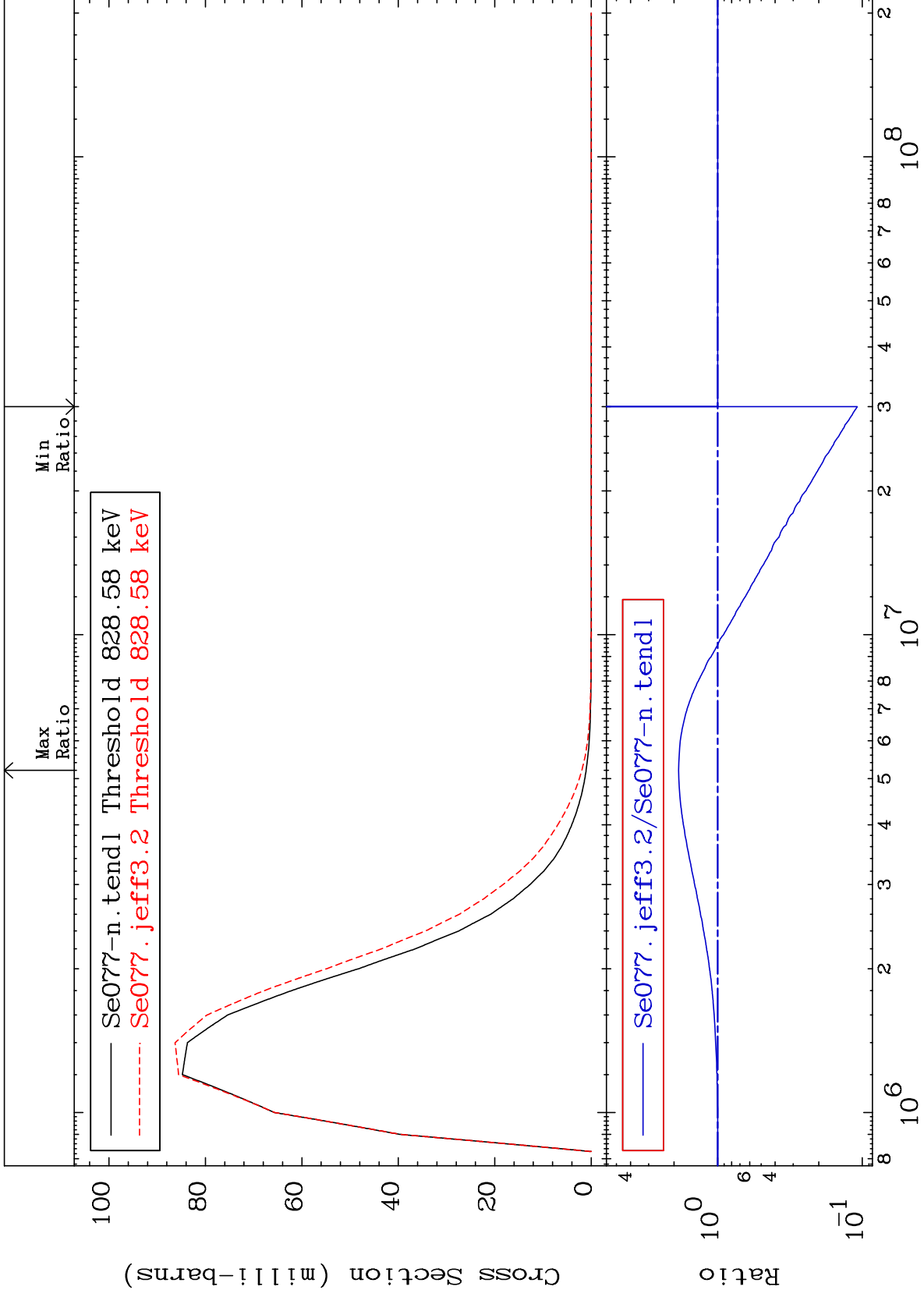
Incident Energy (eV)

34-Se-77

MAT 3434

817.9 keV (n,n') Level
Cross Section

³⁴Se-77
-89.16 To 85.89 %



31

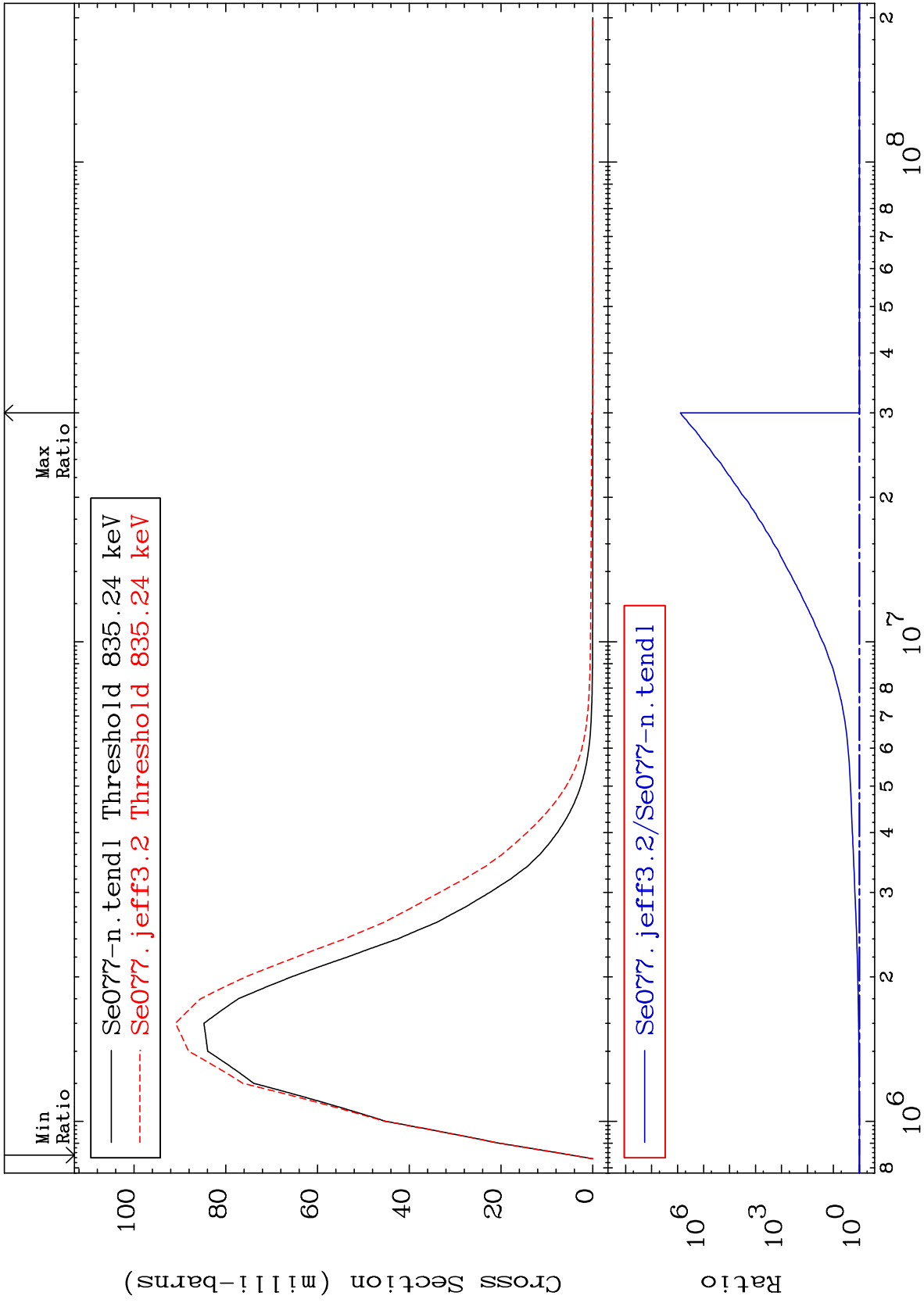
Incident Energy (eV)

³⁴Se-77

MAT 3434

824.4 keV (n,n') Level
Cross Section

34-Se-77
-0.098 To 9999. %



32

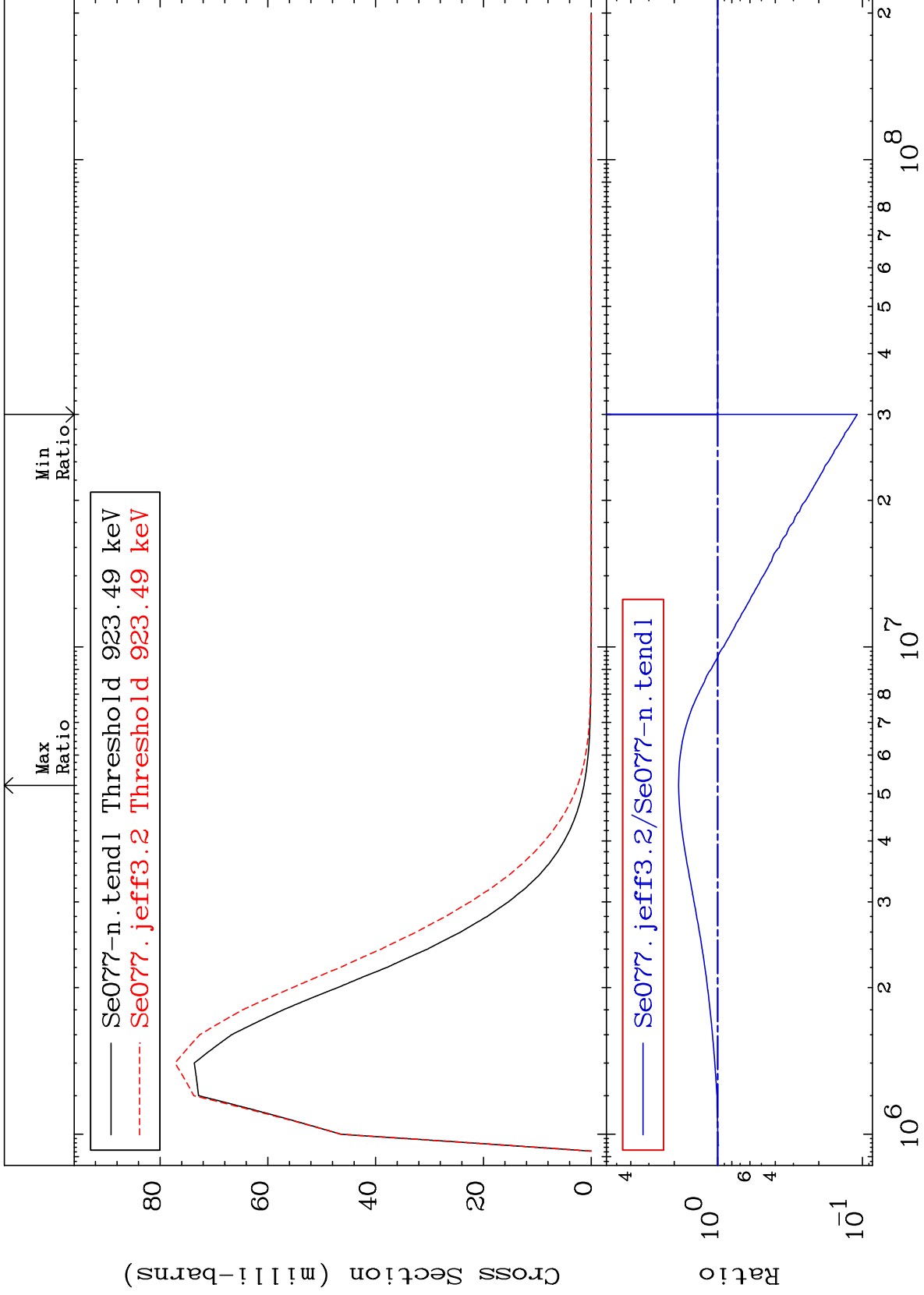
Incident Energy (eV)

34-Se-77

MAT 3434

911.5 keV (n,n') Level
Cross Section

³⁴Se-77
-89.15 To 86.46 %



33

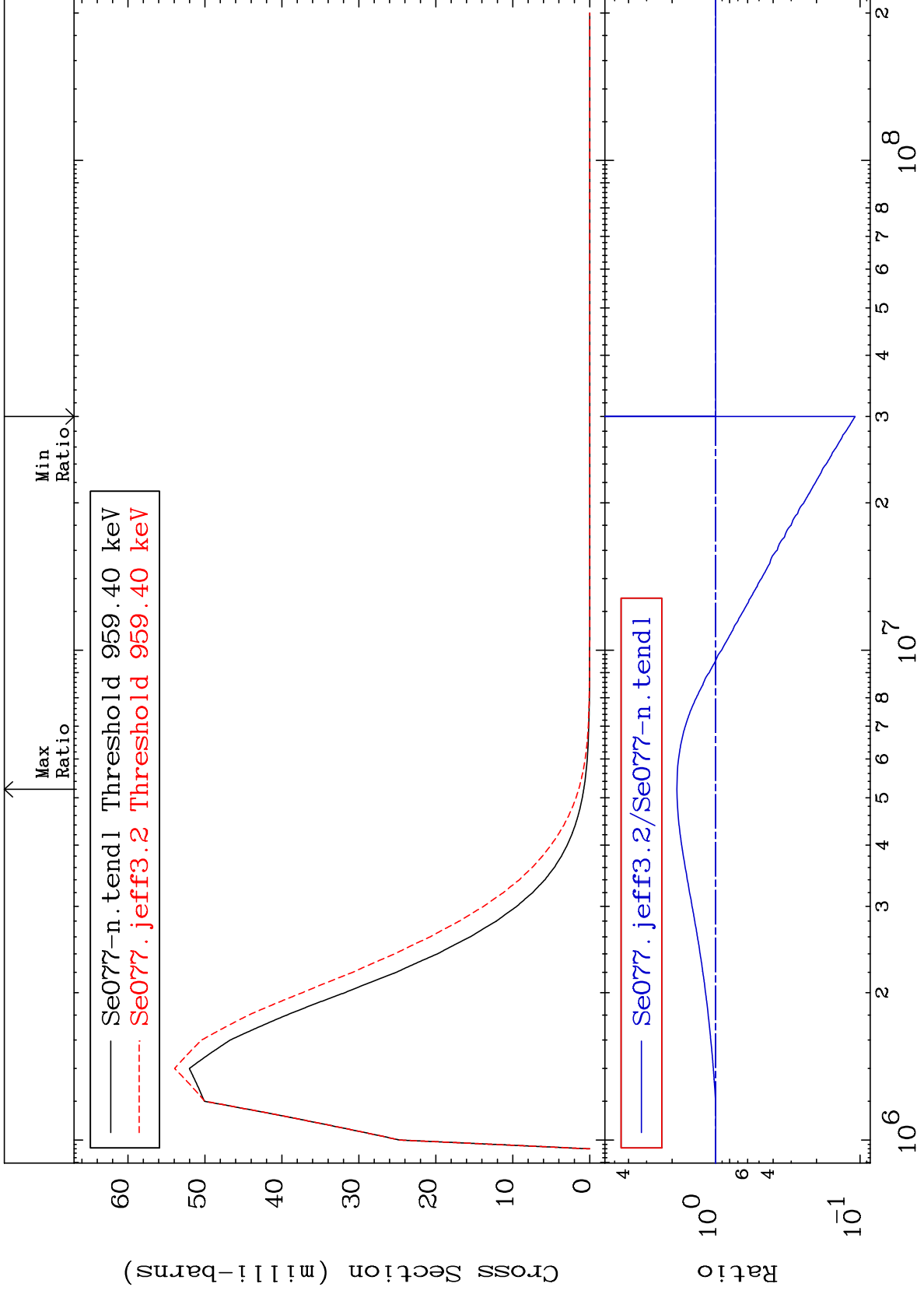
Incident Energy (eV)

³⁴Se-77

MAT 3434

947.0 keV (n,n') Level
Cross Section

³⁴Se-77
-89.18 To 85.14 %



34

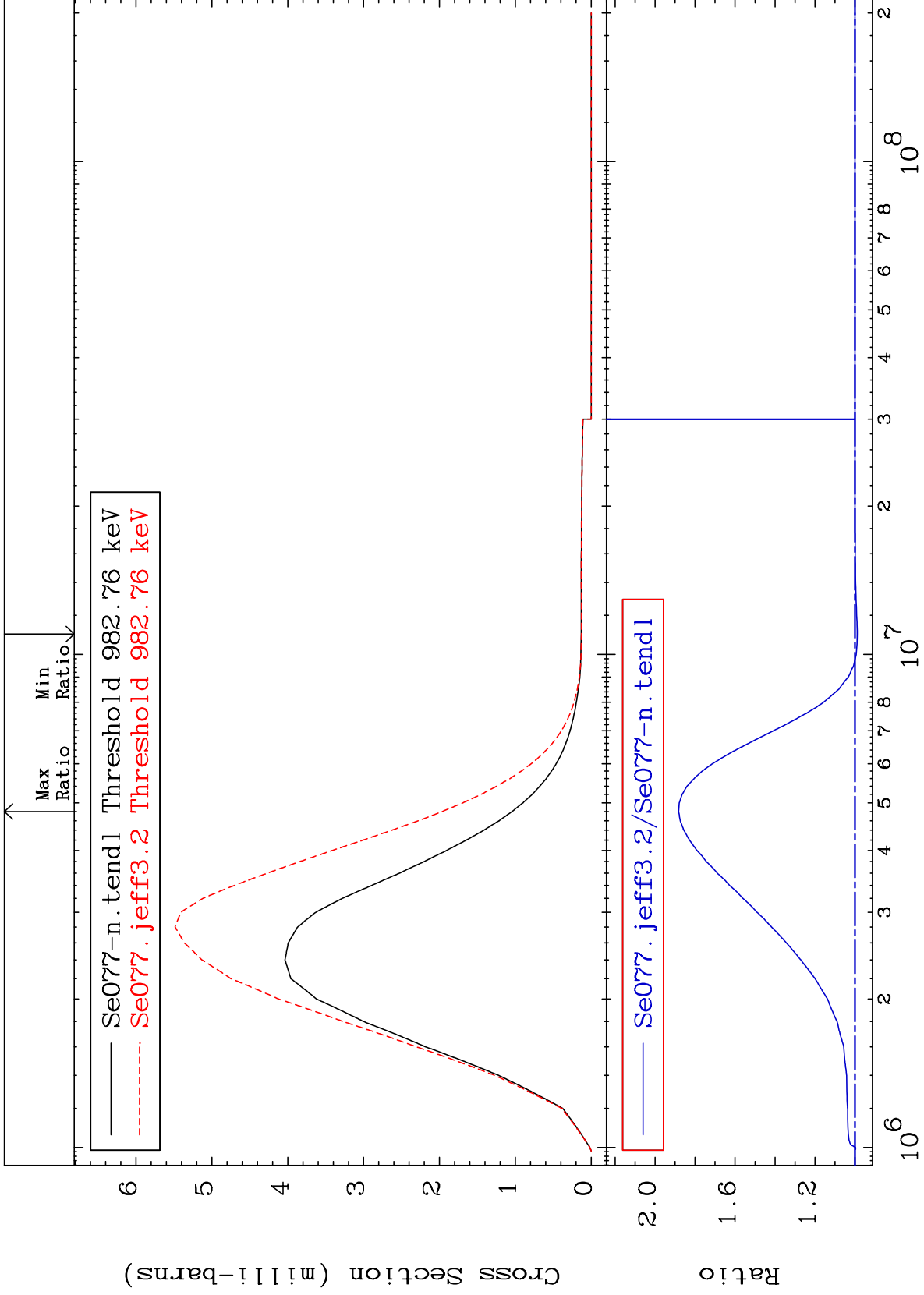
Incident Energy (eV)

³⁴Se-77

MAT 3434

970.0 keV (n,n') Level
Cross Section

³⁴Se-77
-1.131 To 88.21 %



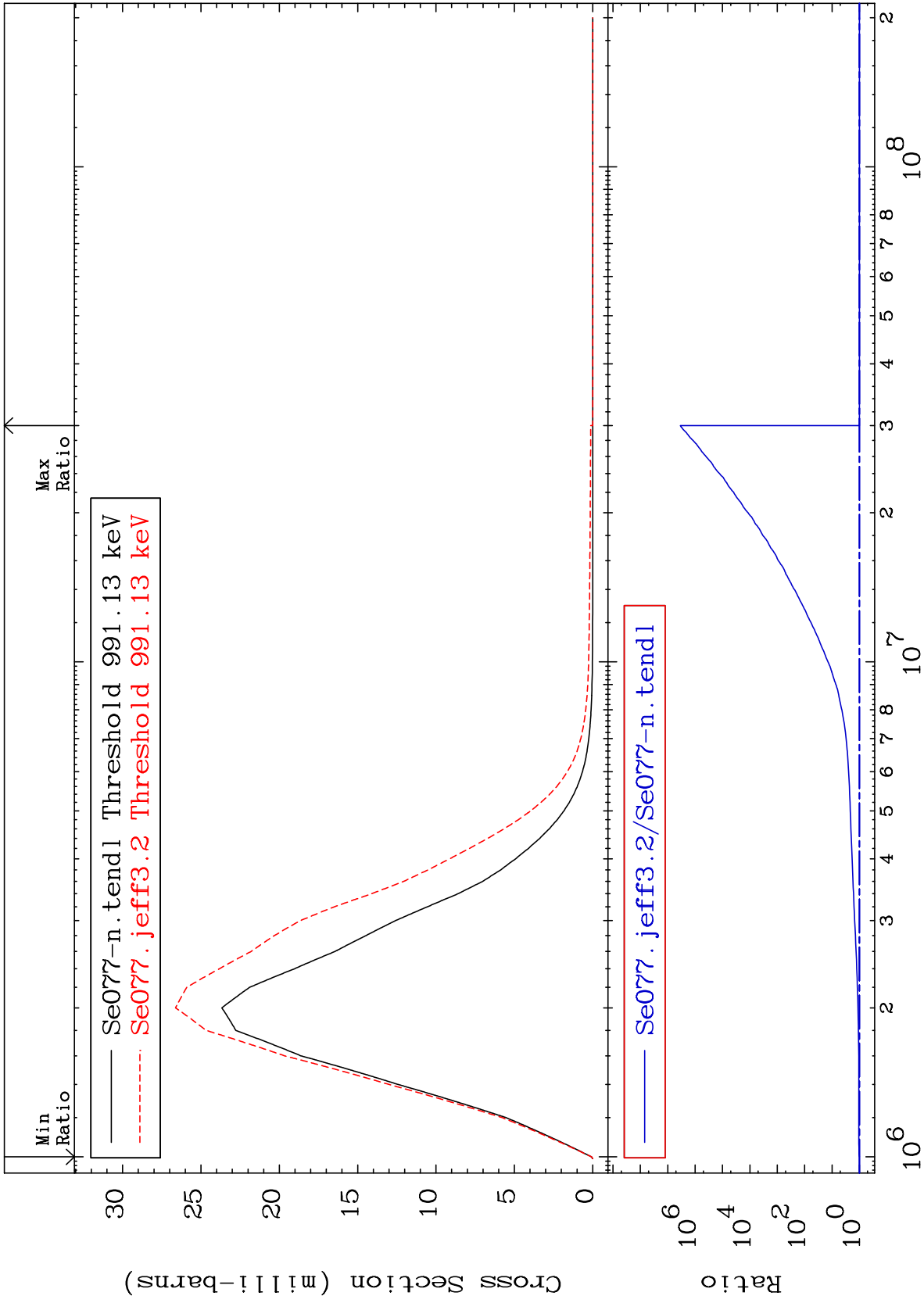
35

³⁴Se-77

MAT 3434

978.3 keV (n,n') Level
Cross Section

34-Se-77
-0.149 To 9999. %



36

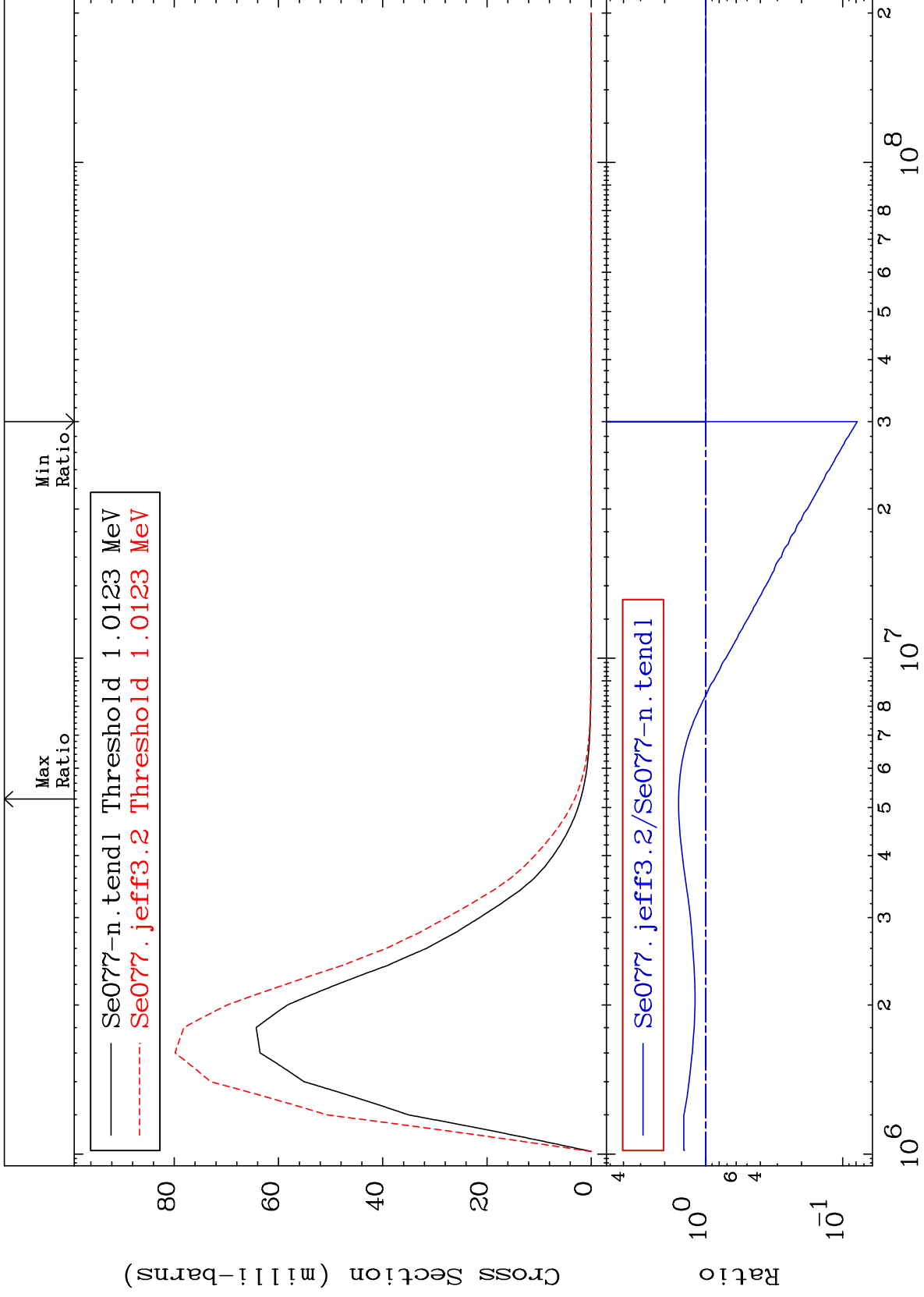
Incident Energy (eV)

34-Se-77

MAT 3434

999.2 keV (n,n') Level
Cross Section

³⁴Se-77
-92.18 To 57.95 %



37

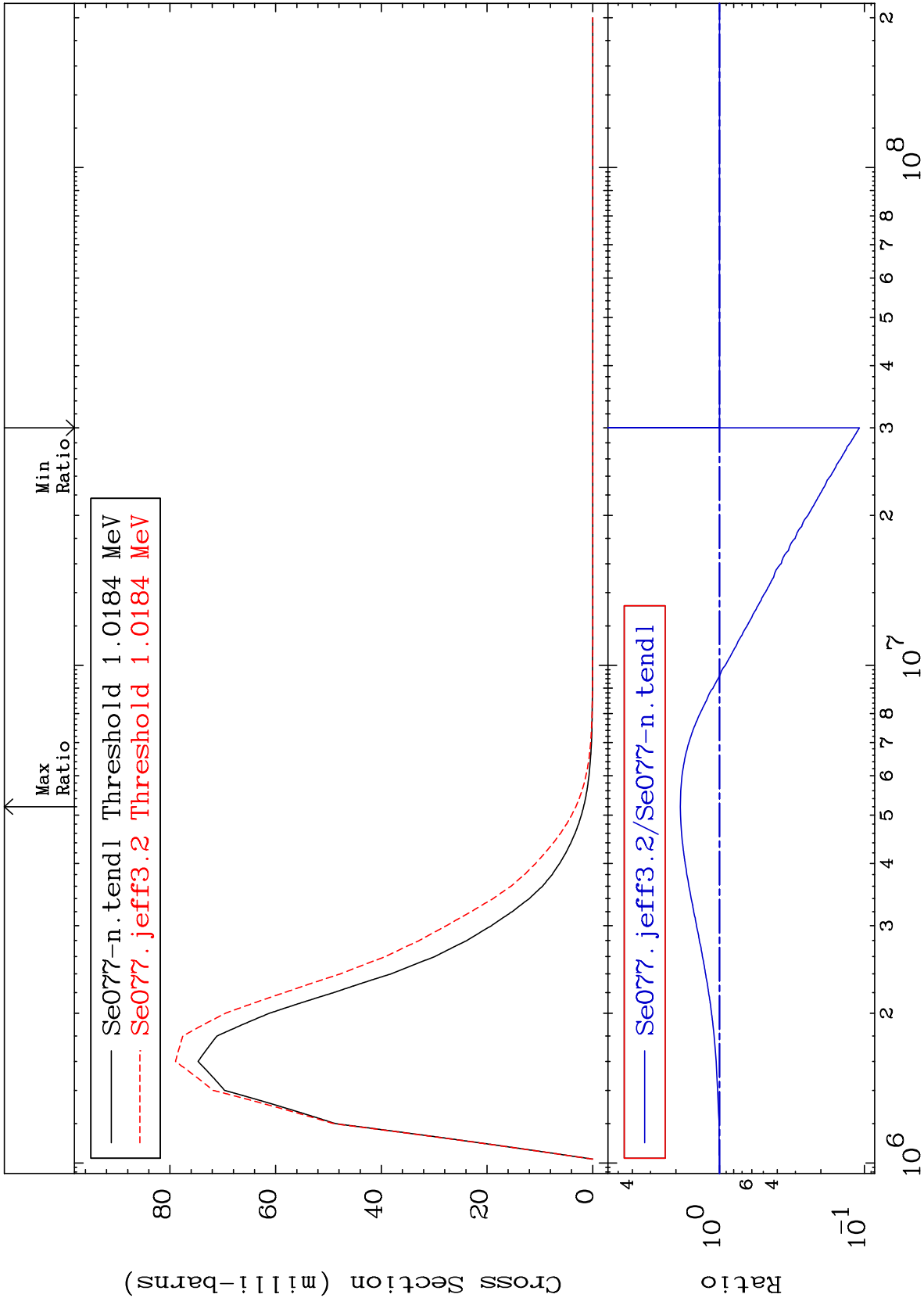
Incident Energy (eV)

³⁴Se-77

MAT 3434

1.005 MeV (n,n') Level
Cross Section

³⁴Se-77
-89.16 To 86.47 %



38

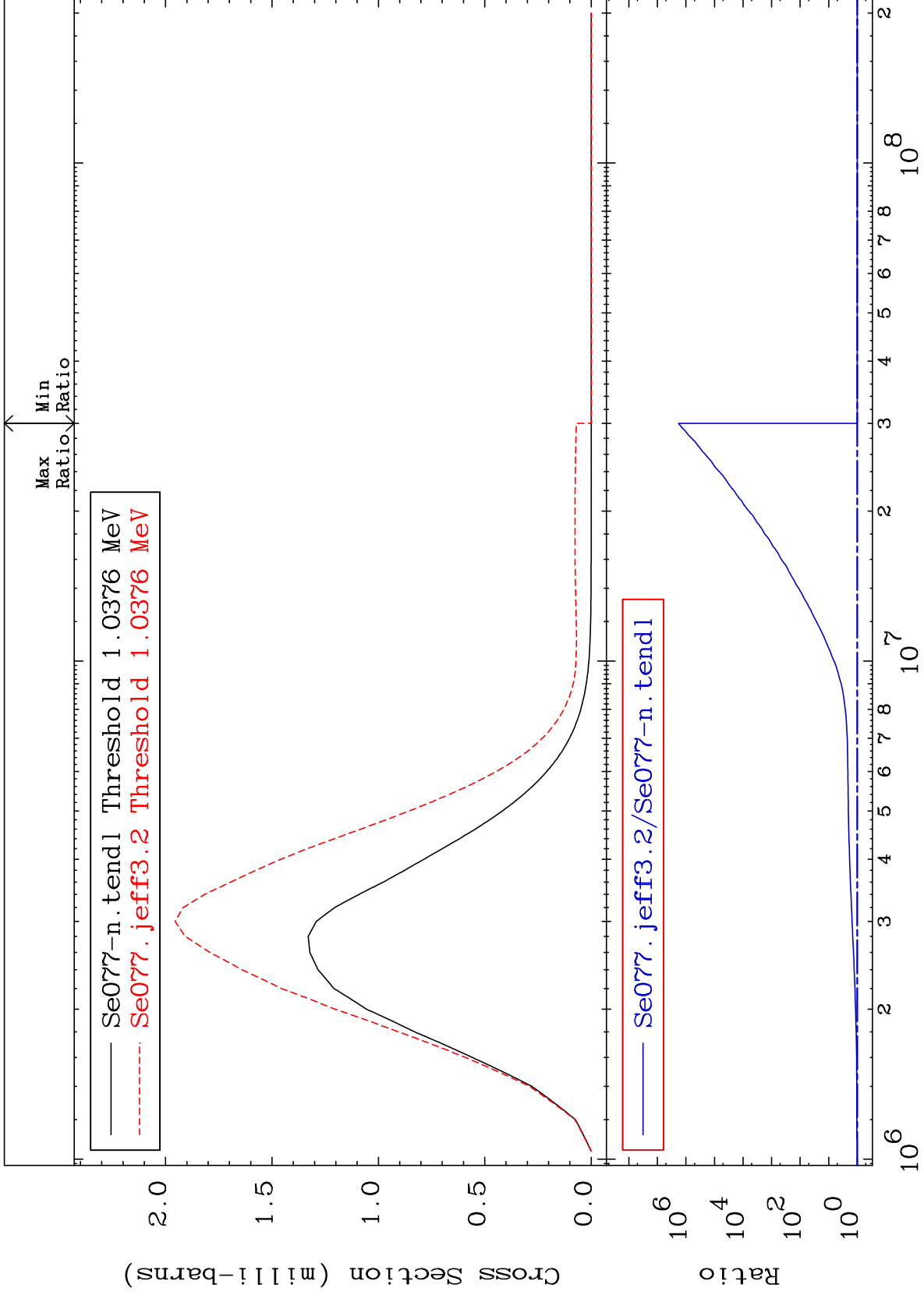
Incident Energy (eV)

³⁴Se-77

MAT 3434

1.024 MeV (n,n') Level
Cross Section

34-Se-77
0.000 To 9999. %



39

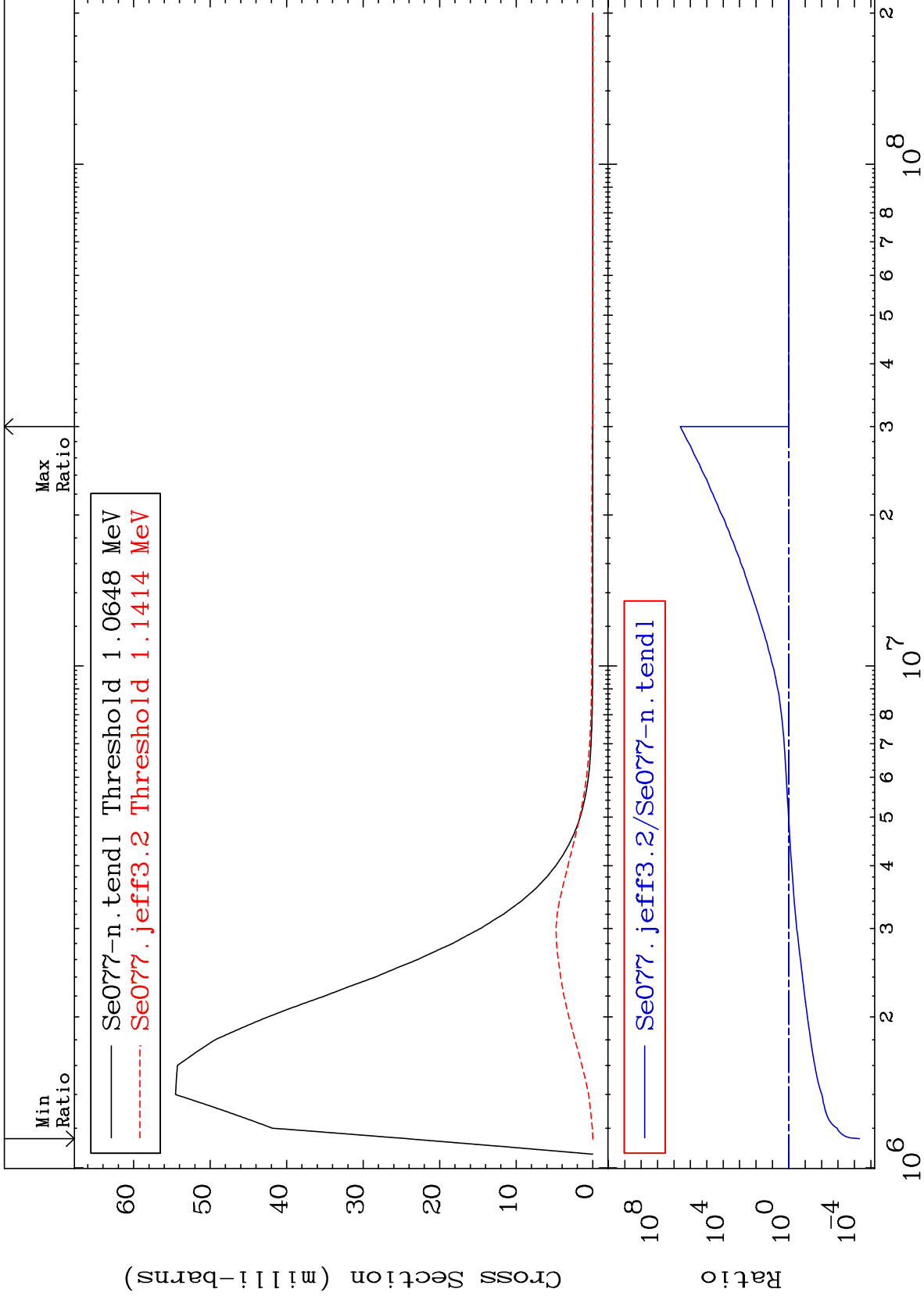
Incident Energy (eV)

34-Se-77

MAT 3434

1.051 MeV (n,n') Level
Cross Section

34-Se-77
-100.0 To 9999. %



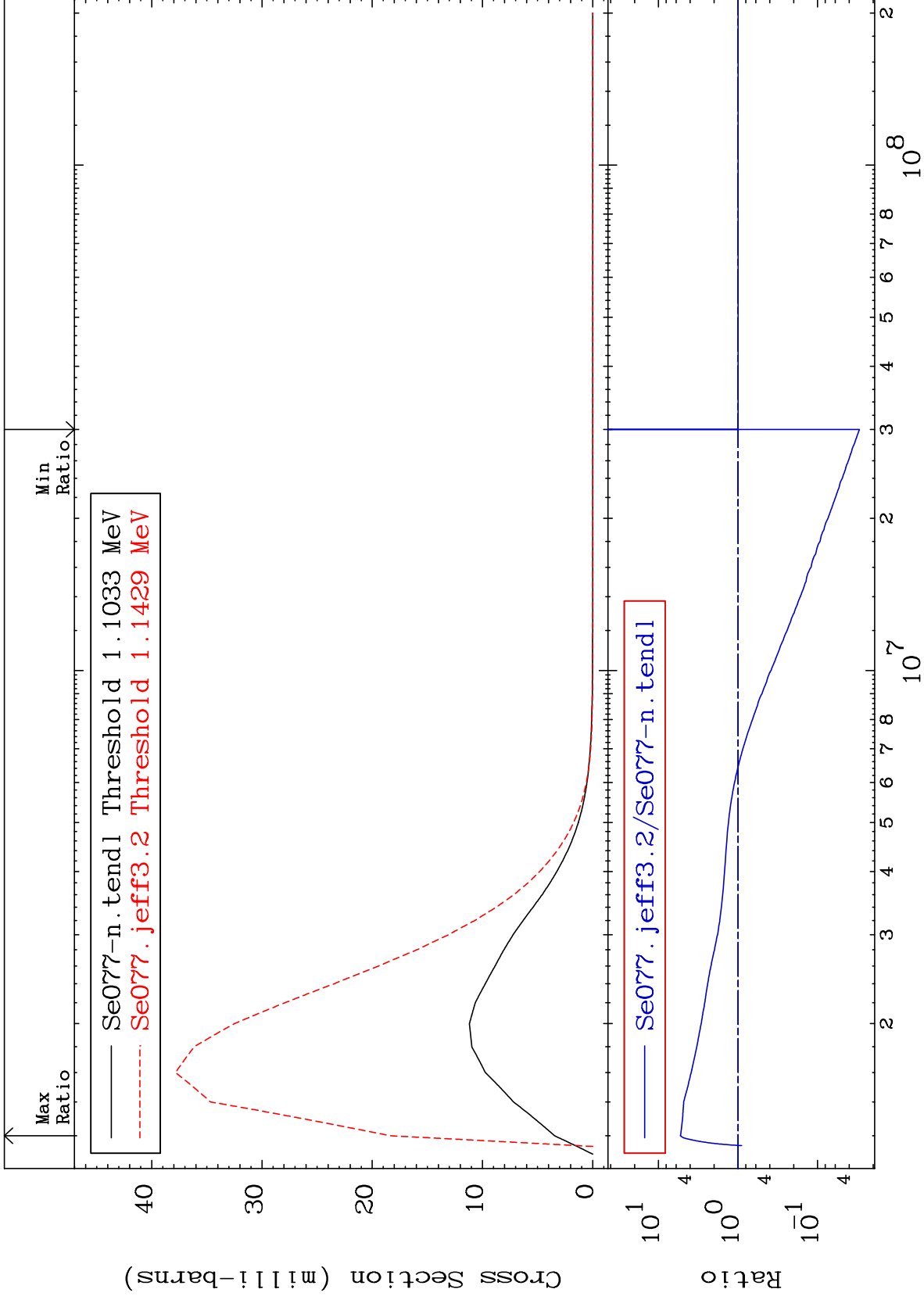
Incident Energy (eV)

34-Se-77

MAT 3434

1.089 MeV (n,n') Level
Cross Section

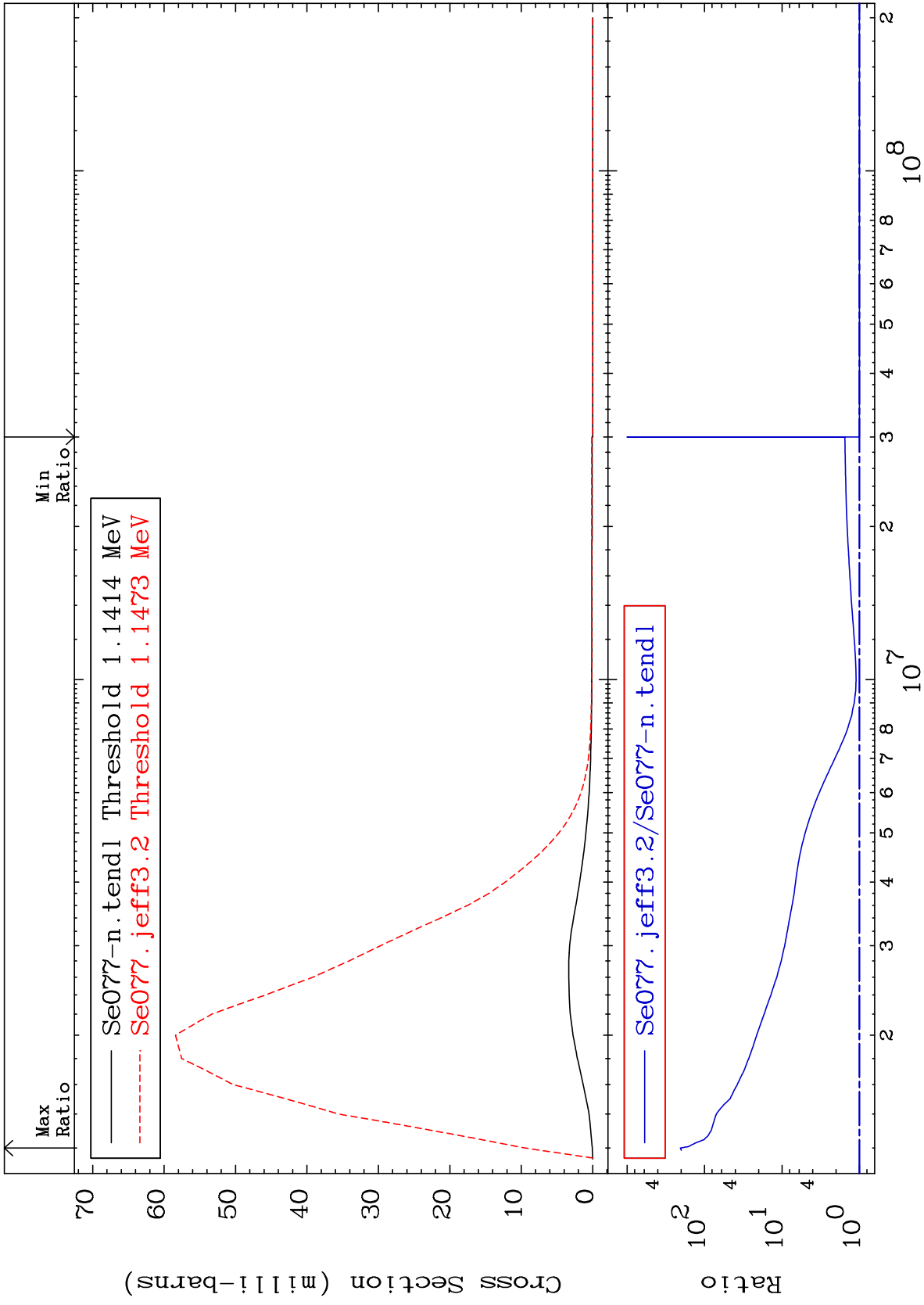
³⁴Se-77
-97.02 To 431.2 %



MAT 3434

1.127 MeV (n,n') Level
Cross Section

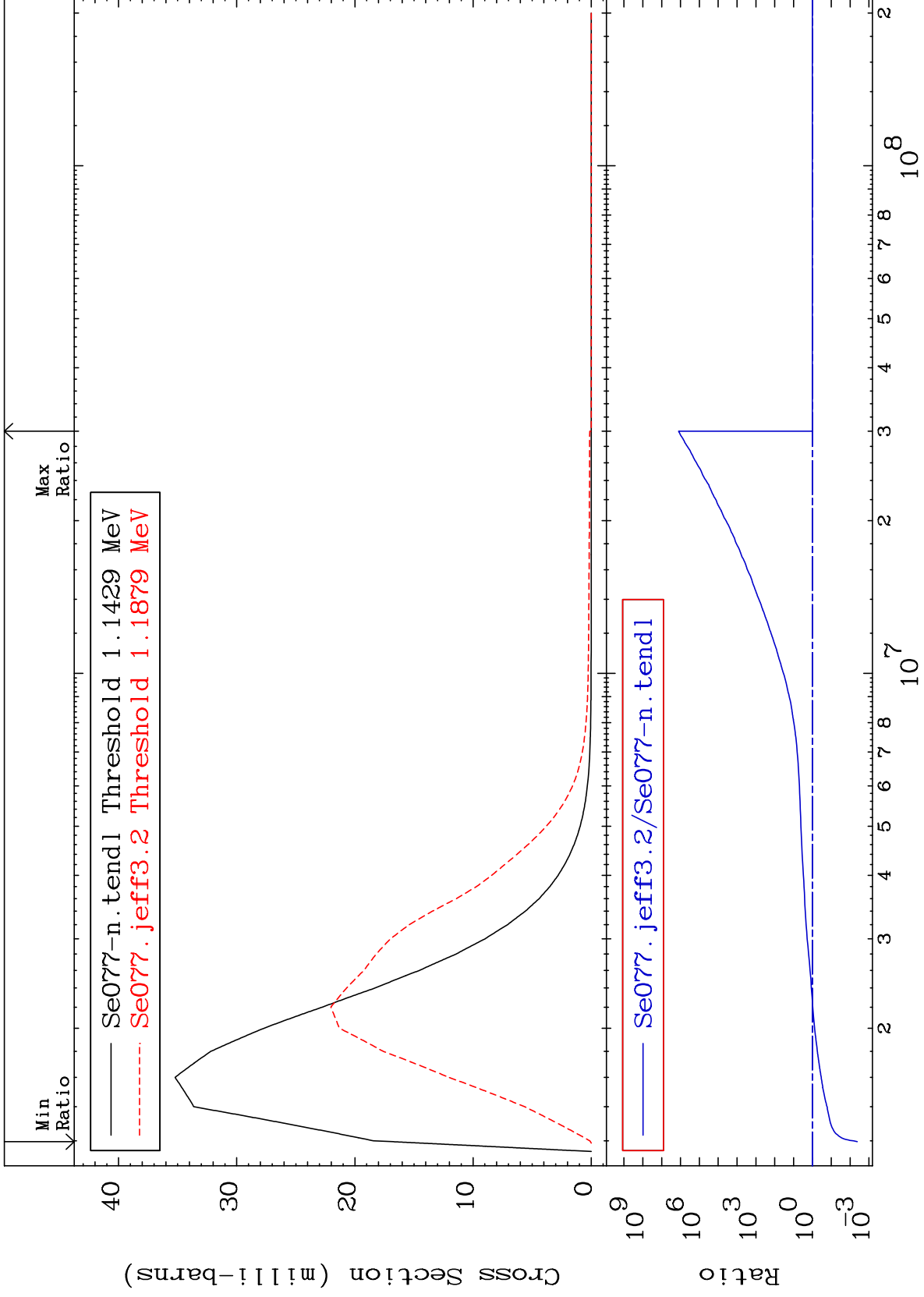
34-Se-77
0.000 To 9999. %



MAT 3434

1.128 MeV (n,n') Level
Cross Section

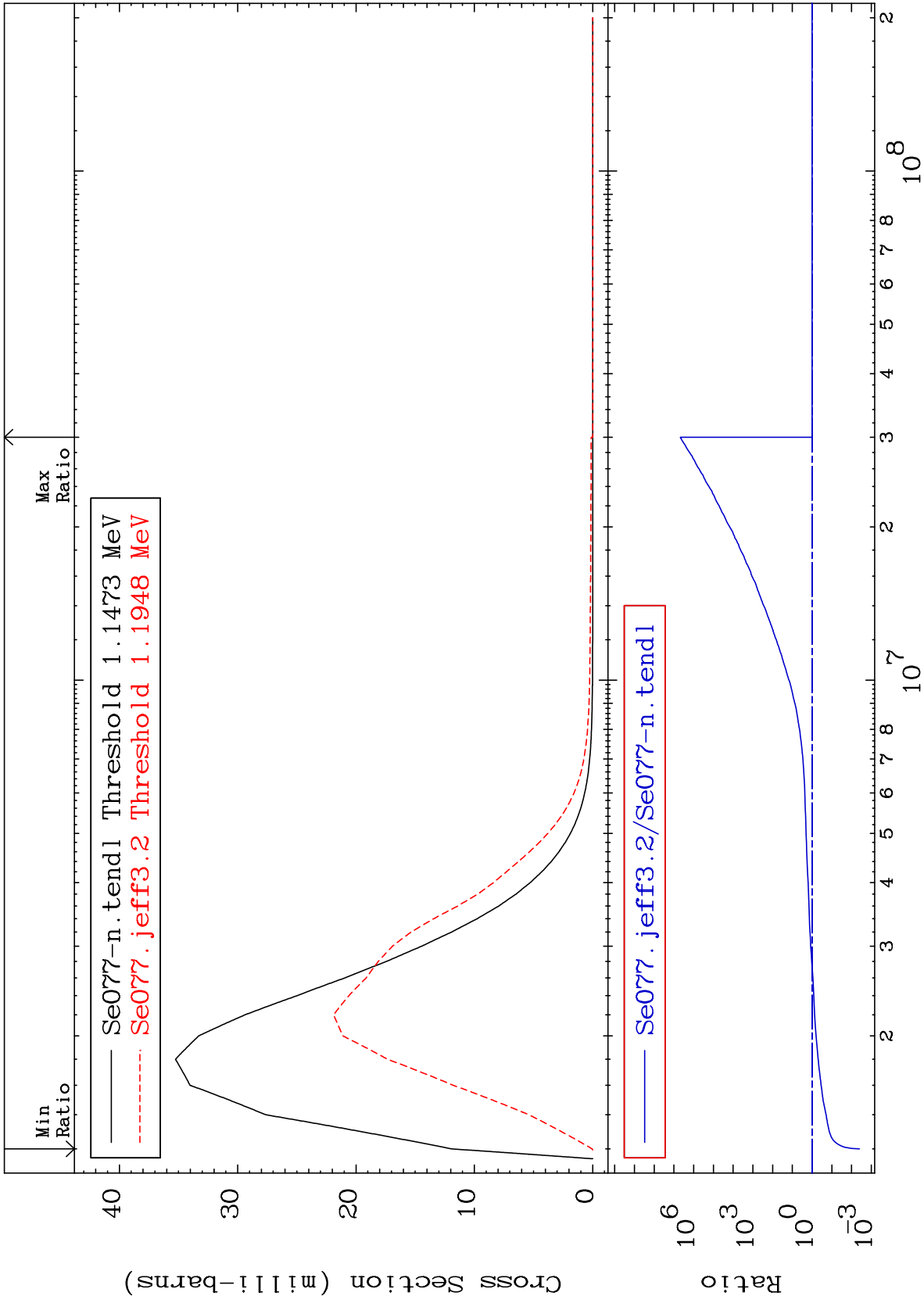
³⁴Se-77
-99.58 To 9999. %



MAT 3434

1.132 MeV (n,n') Level
Cross Section

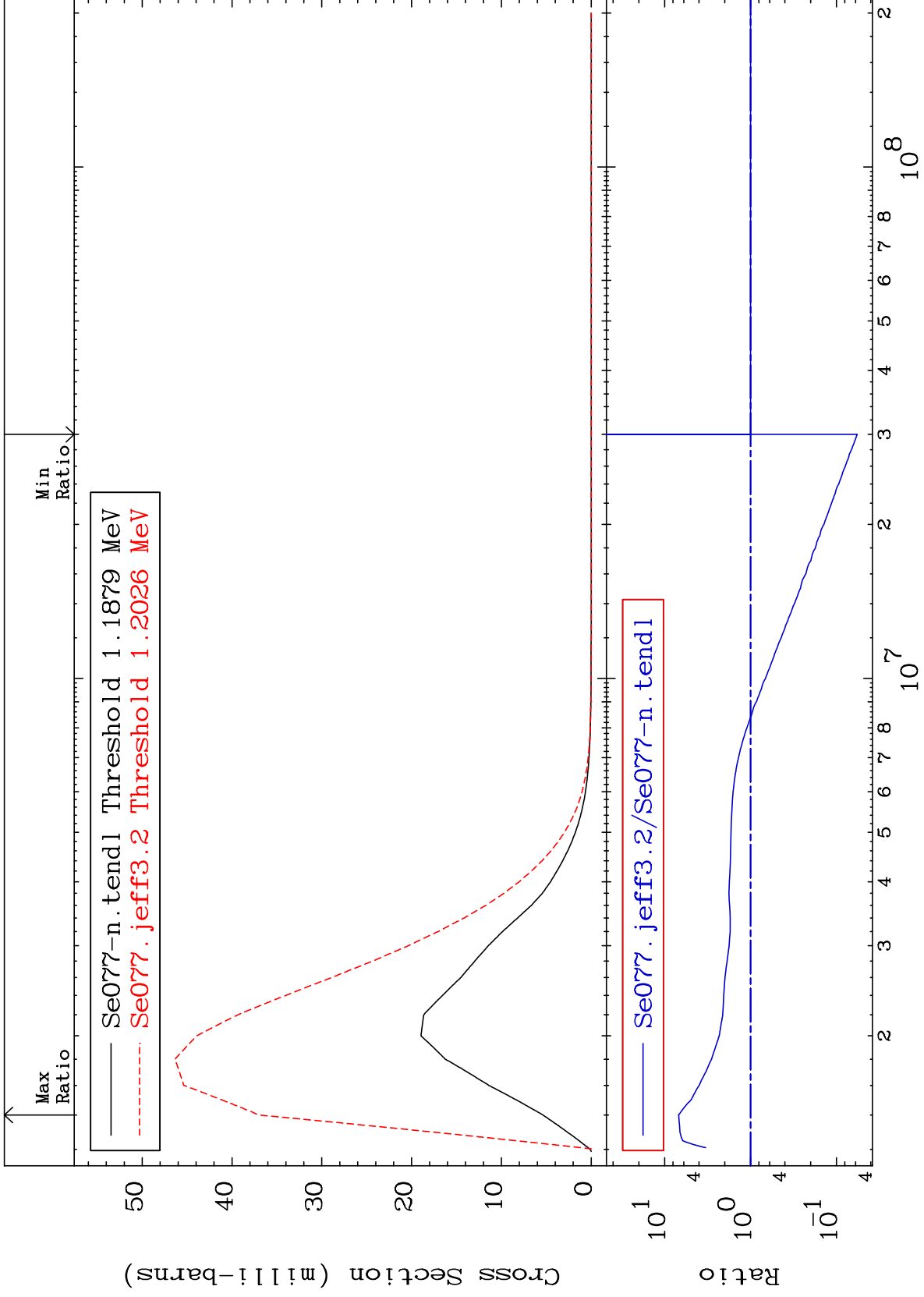
³⁴Se-77
-99.60 To 9999. %



MAT 3434

1.172 MeV (n,n') Level
Cross Section

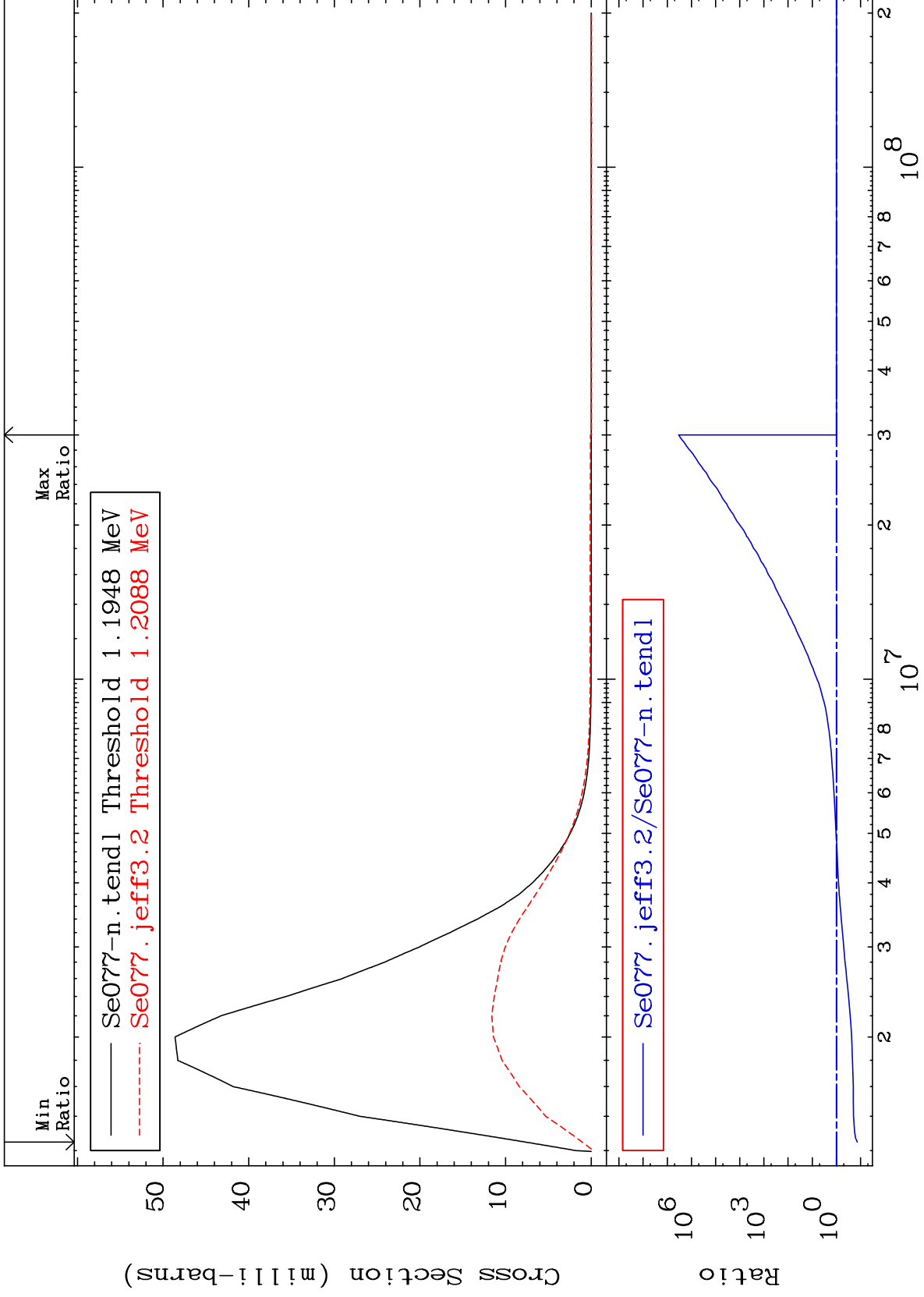
³⁴Se-77
-94.27 To 588.2 %



MAT 3434

1.179 MeV (n,n') Level
Cross Section

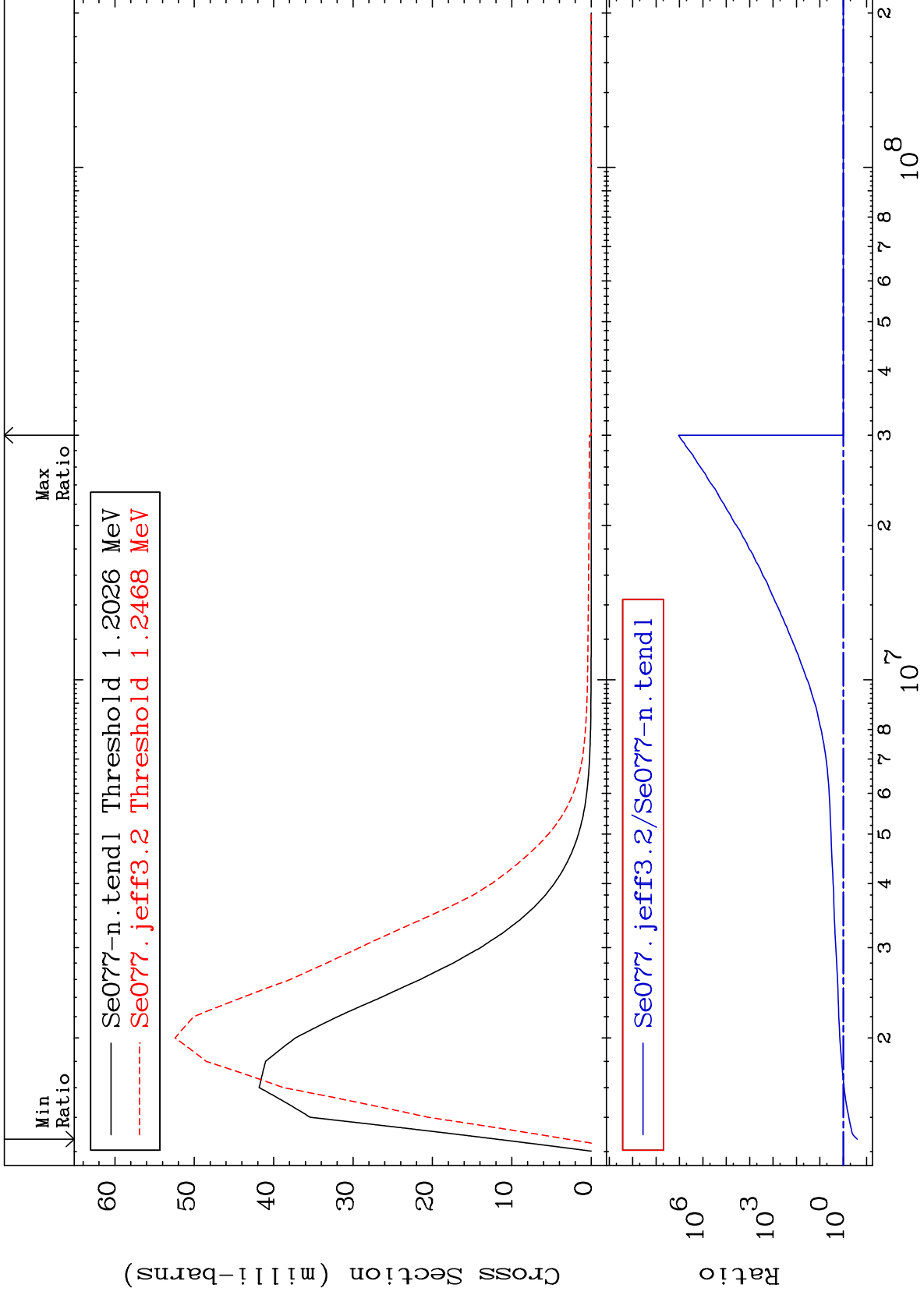
34-Se-77
-86.26 To 9999. %



MAT 3434

1.187 MeV (n,n') Level
Cross Section

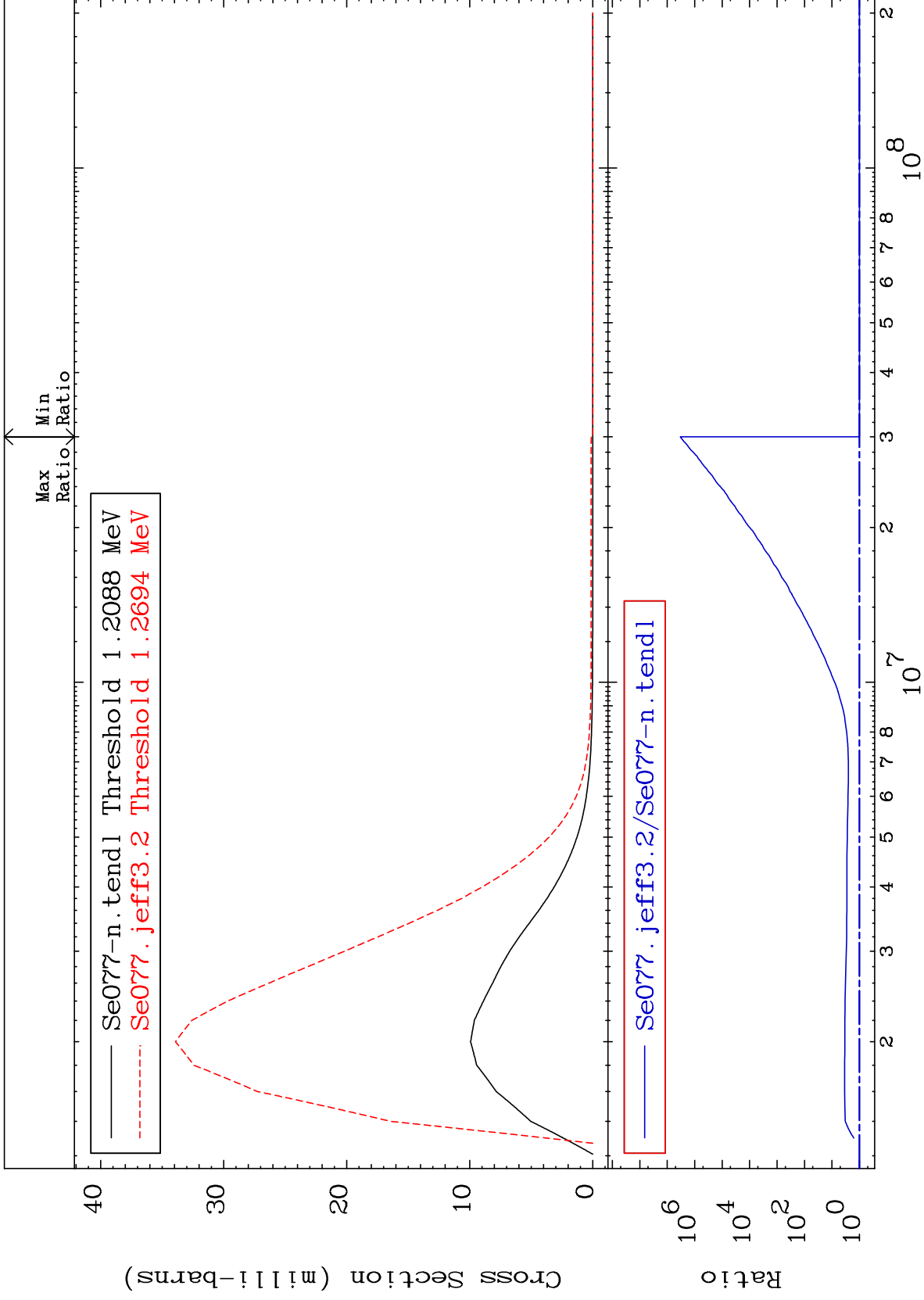
34-Se-77
-74.71 To 9999. %



MAT 3434

1.193 MeV (n,n') Level
Cross Section

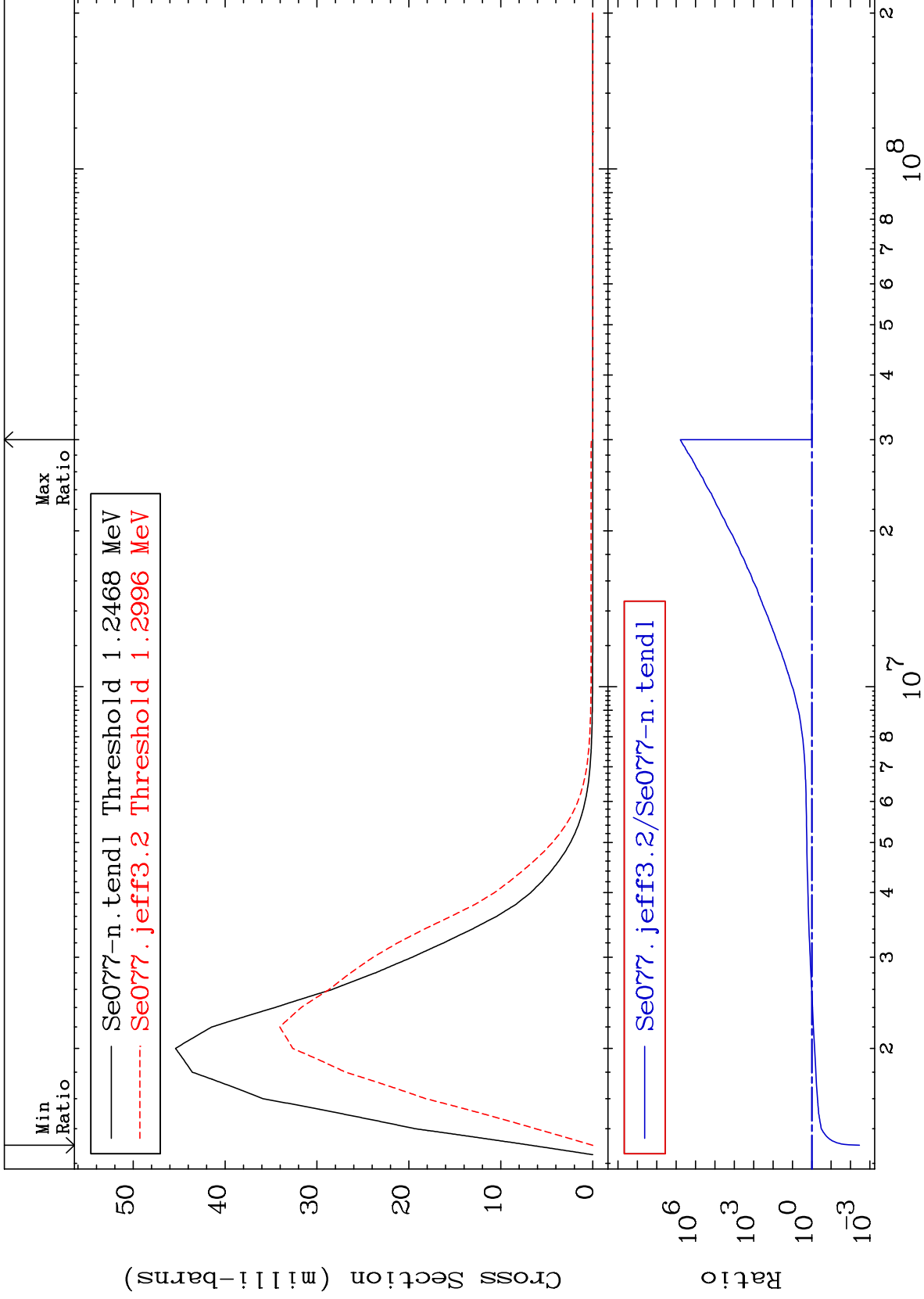
34-Se-77
0.000 To 9999. %



MAT 3434

1.231 MeV (n,n') Level
Cross Section

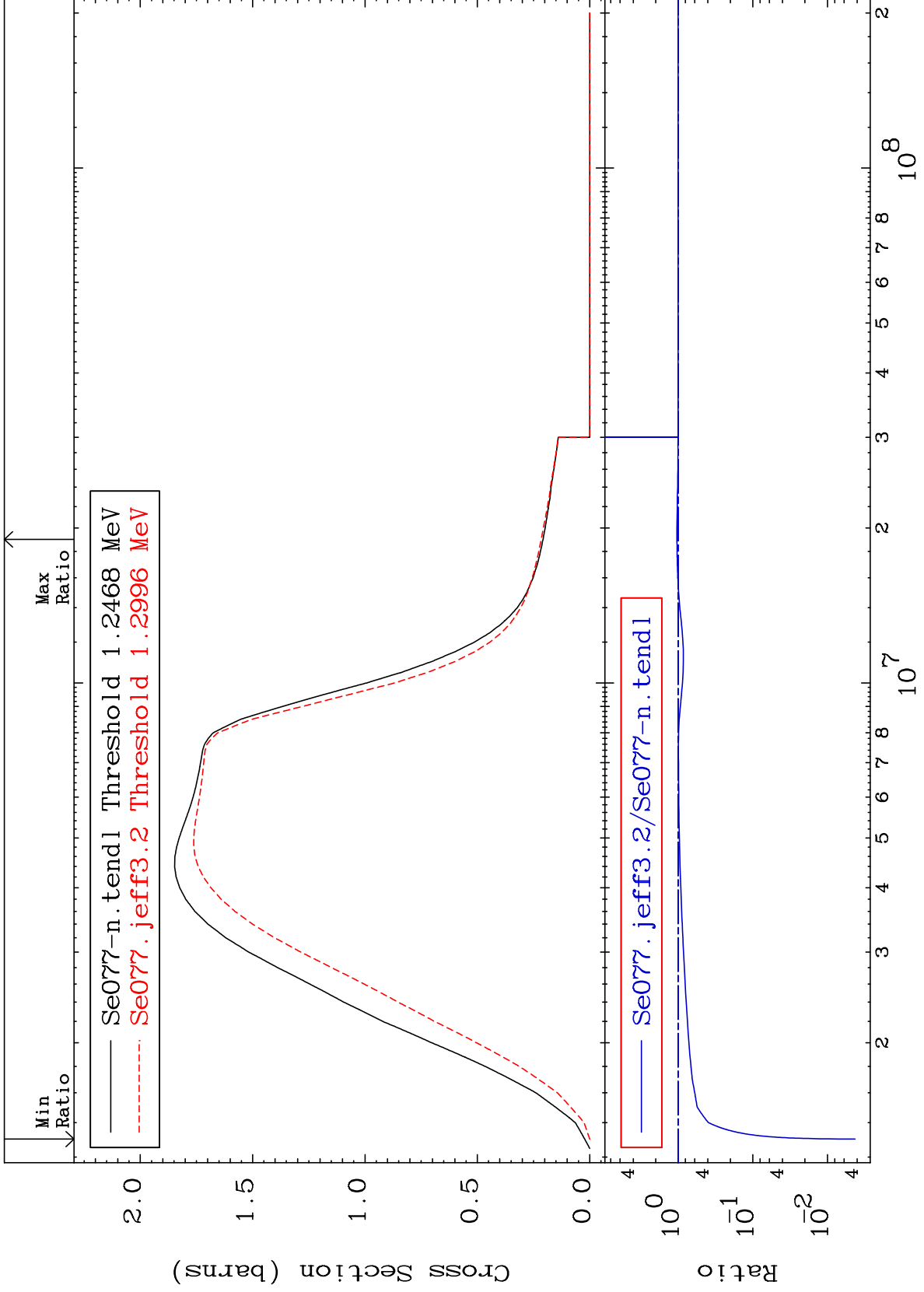
34-Se-77
-99.65 To 9999. %



MAT 3434

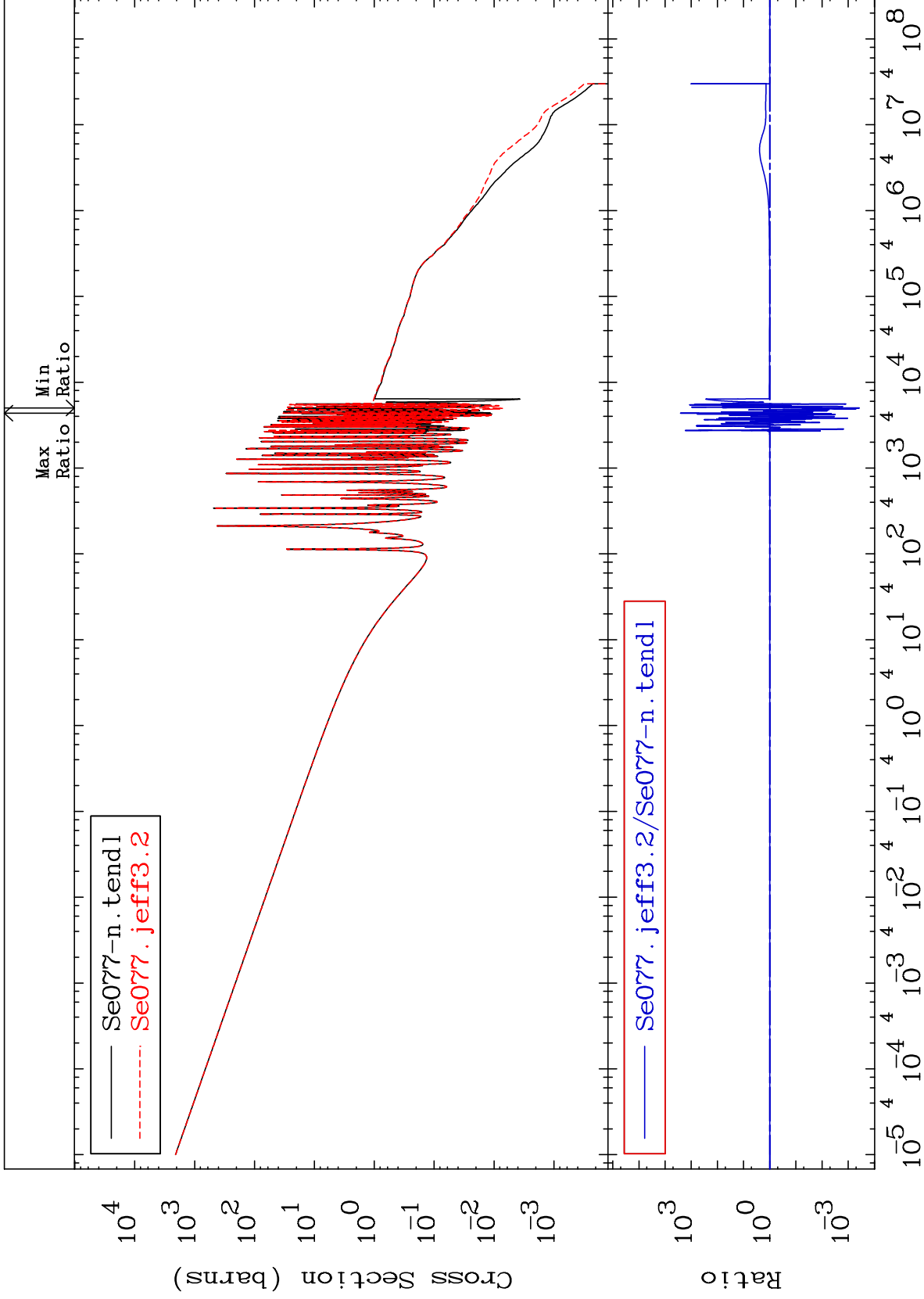
(n, n') Continuum
Cross Section

³⁴Se-77
-99.57 To 3.990 %



Cross Section

-99.96 To 9999. %



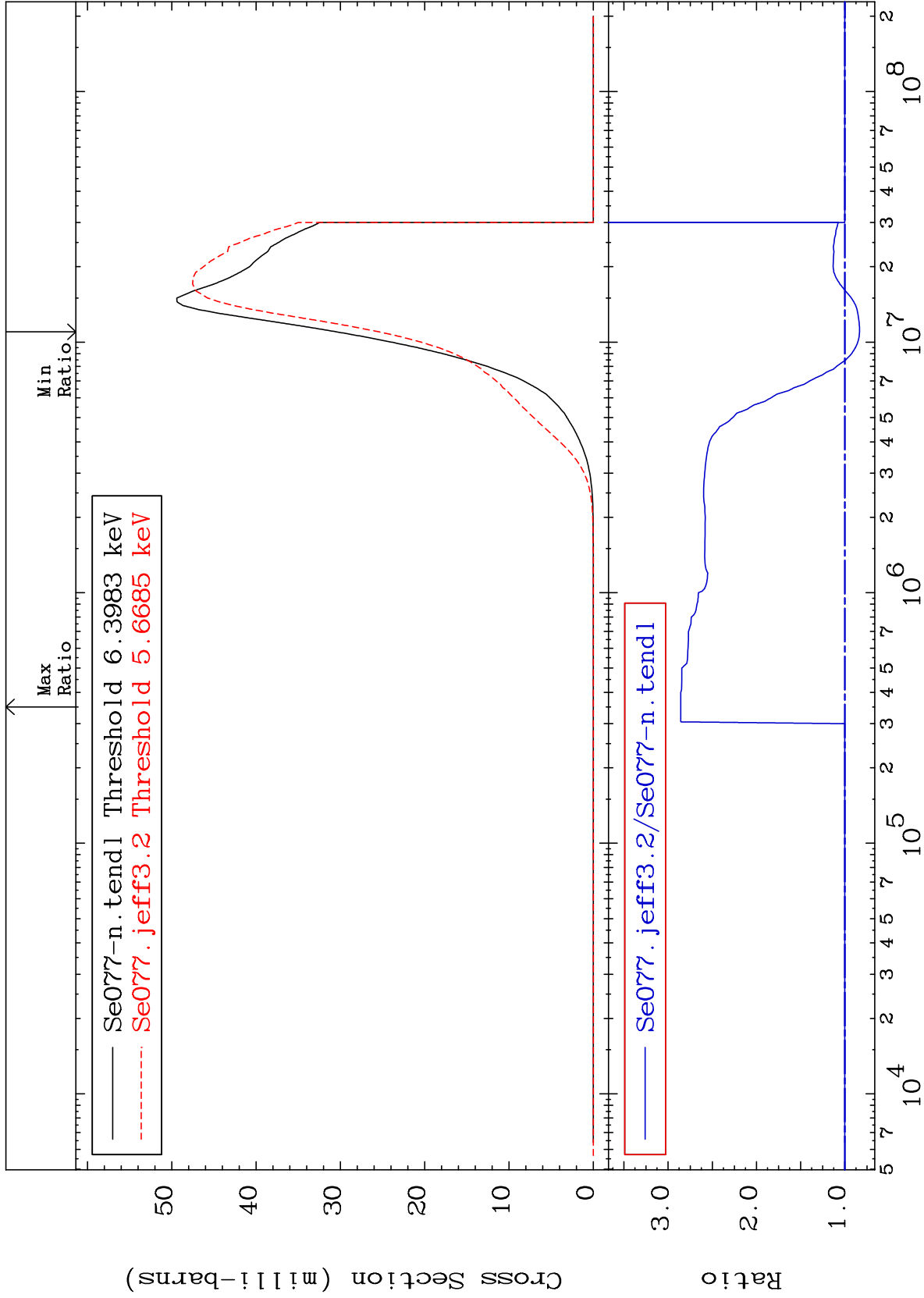
MAT 3434

(n,p)

³⁴Se-77

Cross Section

-16.61 To 185.7 %



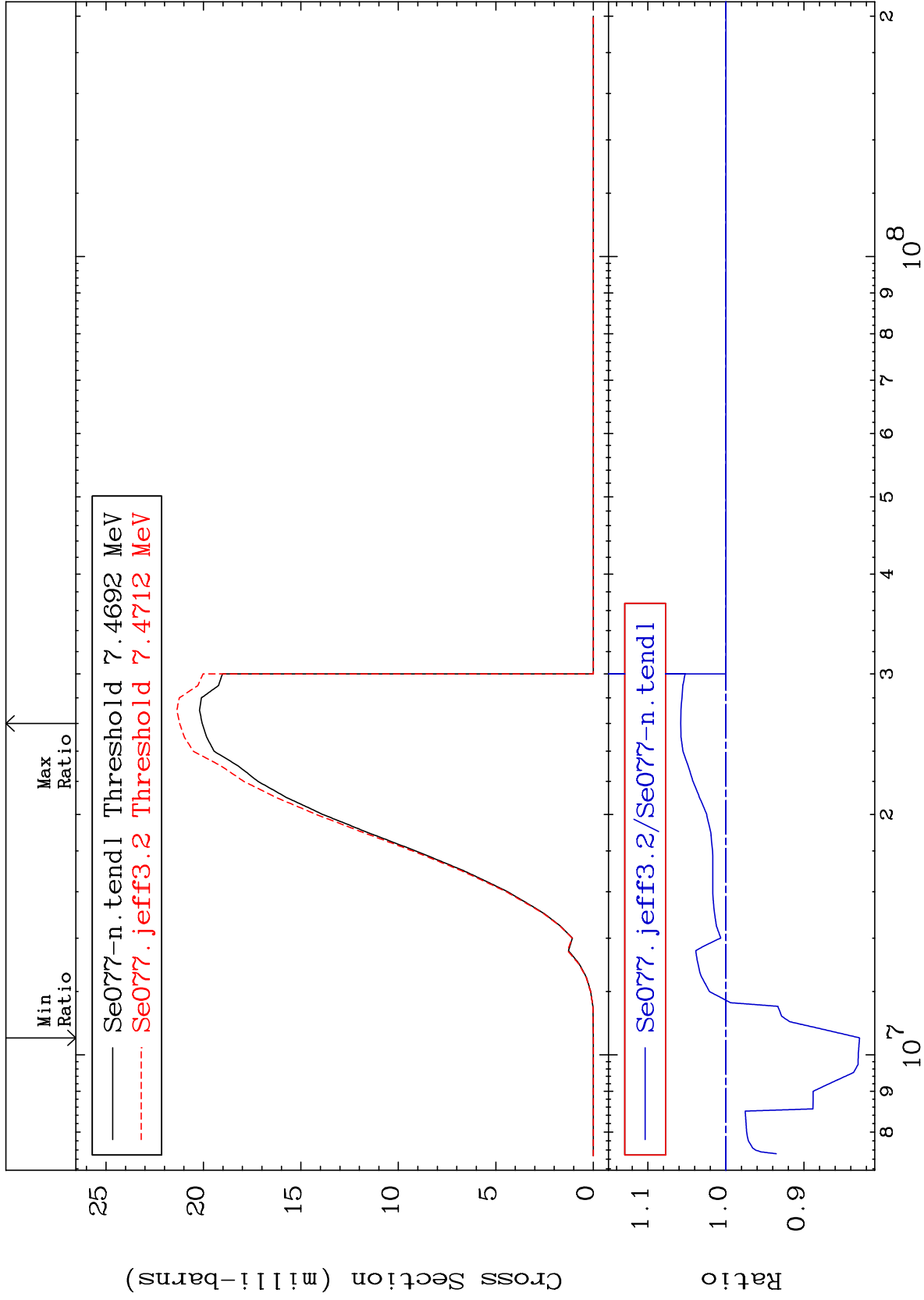
MAT 3434

(n, d)

³⁴Se-77

Cross Section

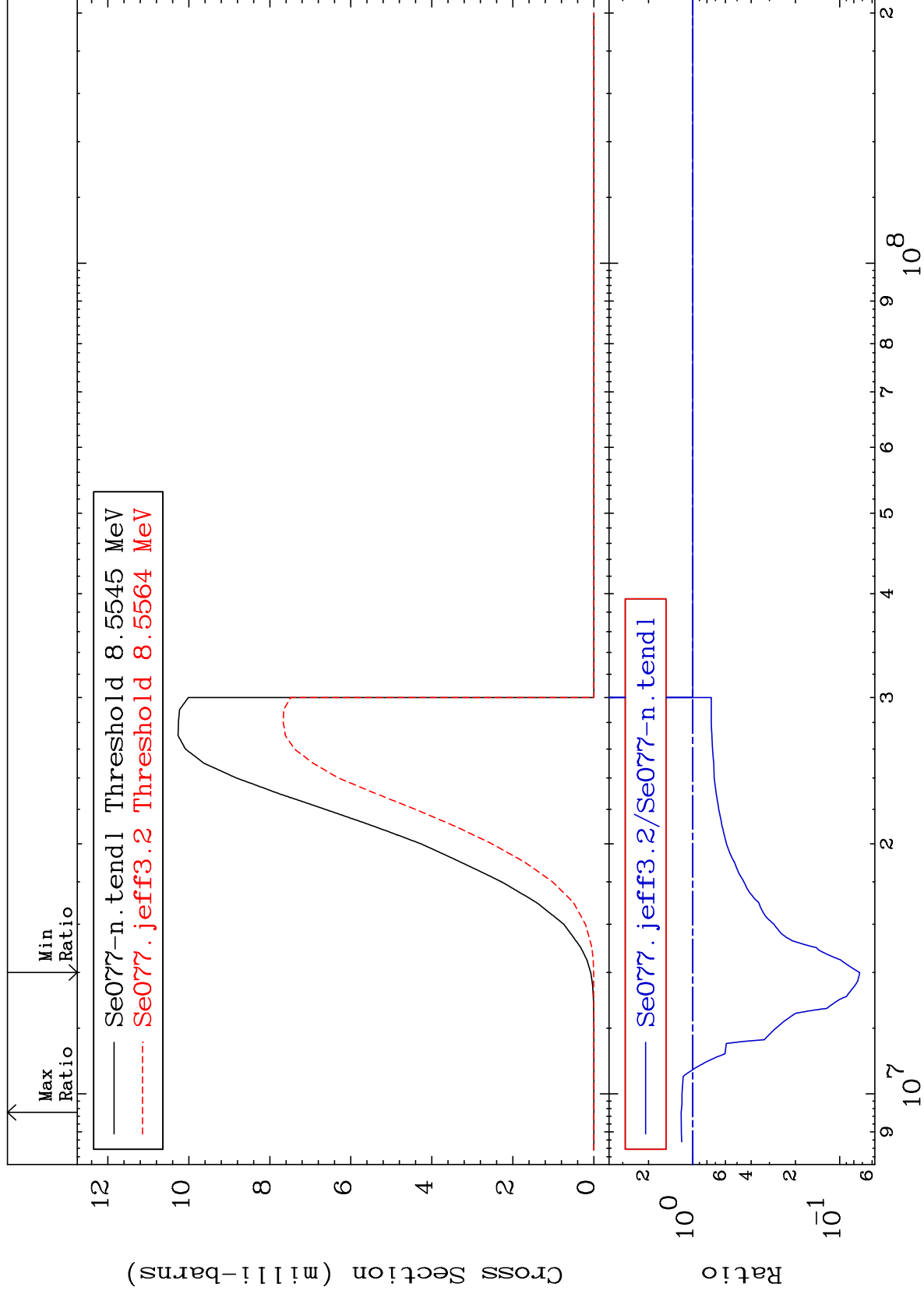
-17.13 To 5.784 %



MAT 3434

(n, t)
Cross Section

³⁴Se-77
-92.69 To 19.86 %



54

Incident Energy (eV)

³⁴Se-77

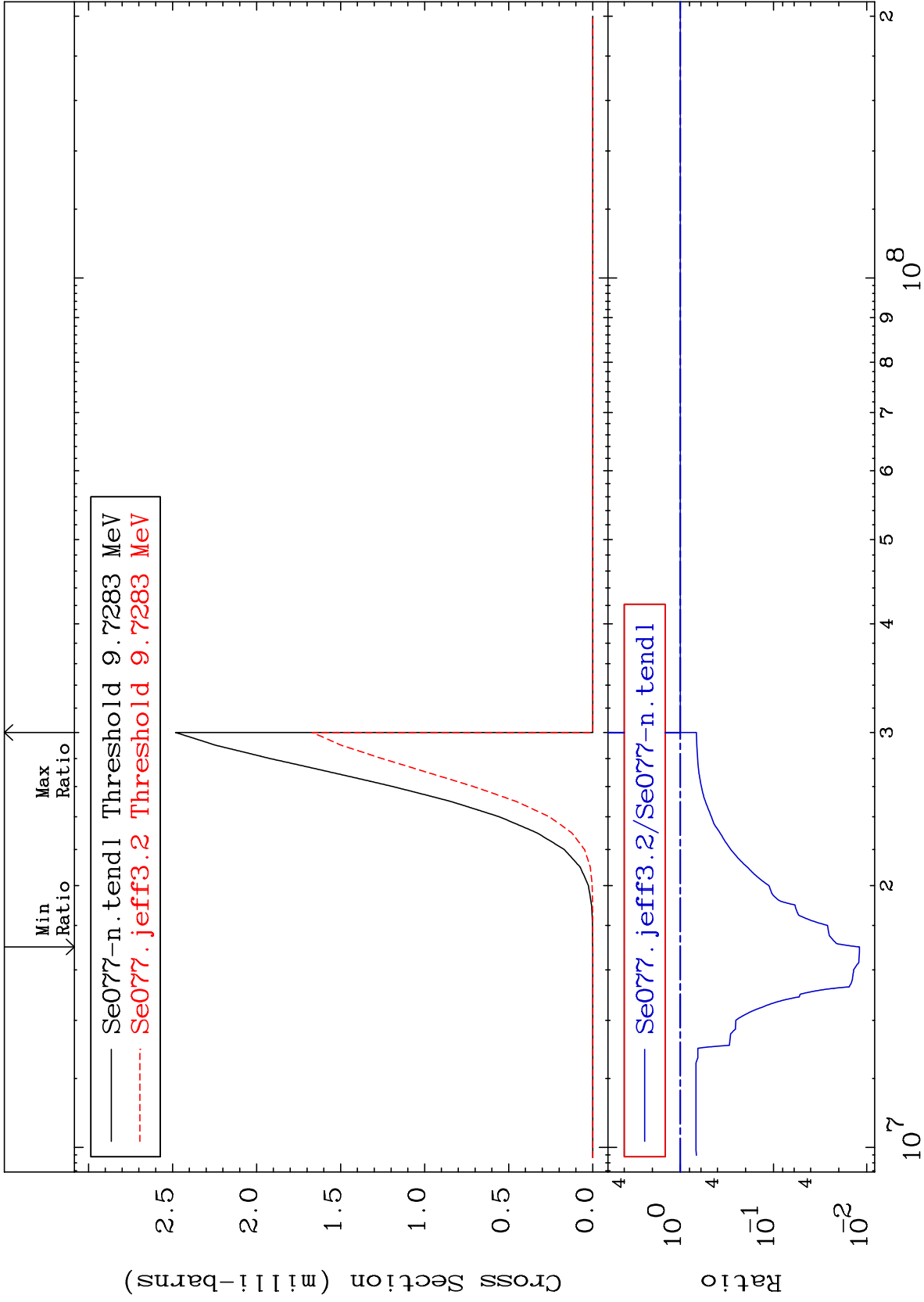
MAT 3434

(n, He-3)

³⁴Se-77

Cross Section

-98.80 To 0.000 %



55

Incident Energy (eV)

³⁴Se-77

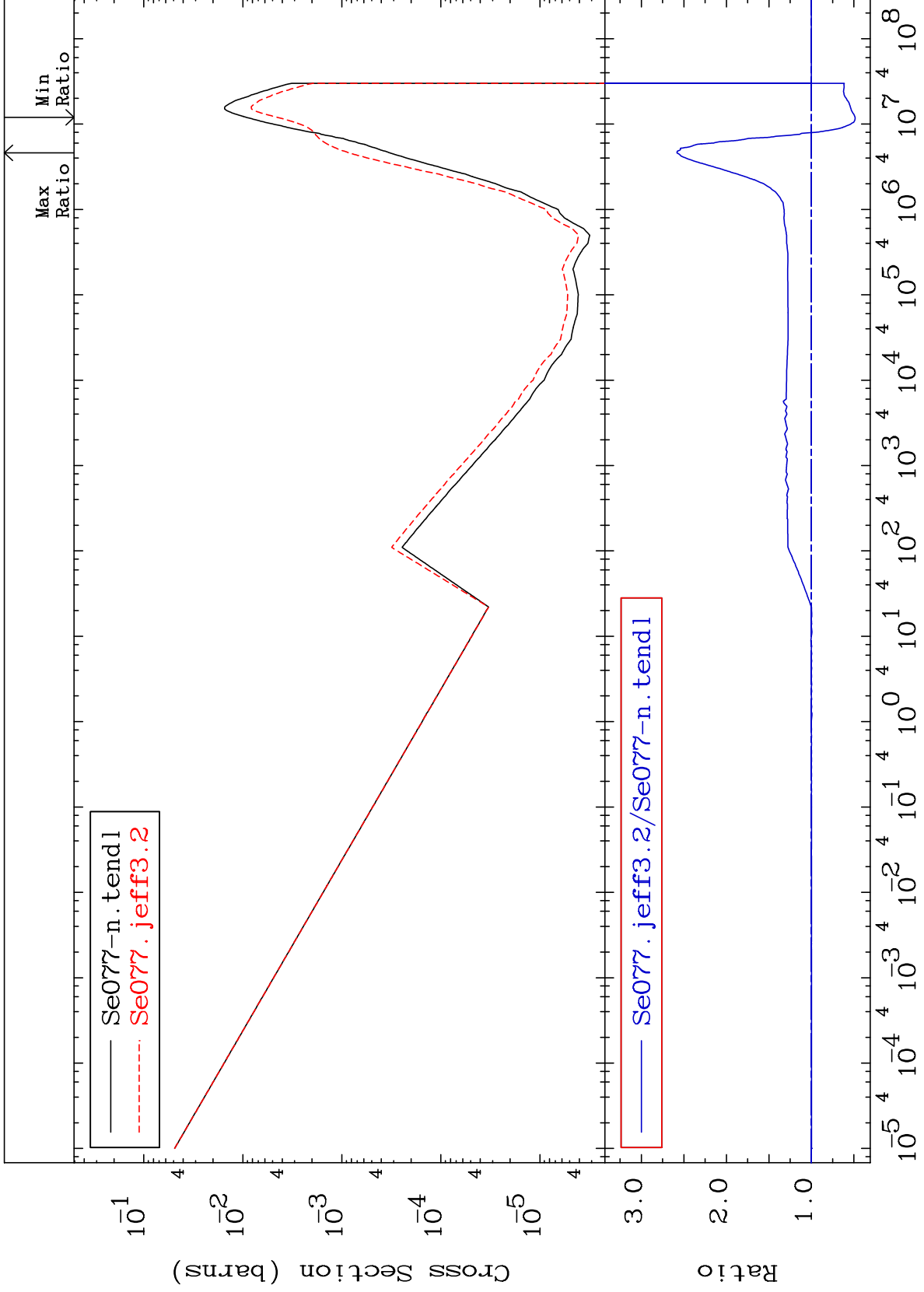
MAT 3434

(n, α)

Cross Section

³⁴Se-77

-51.39 To 158.2 %



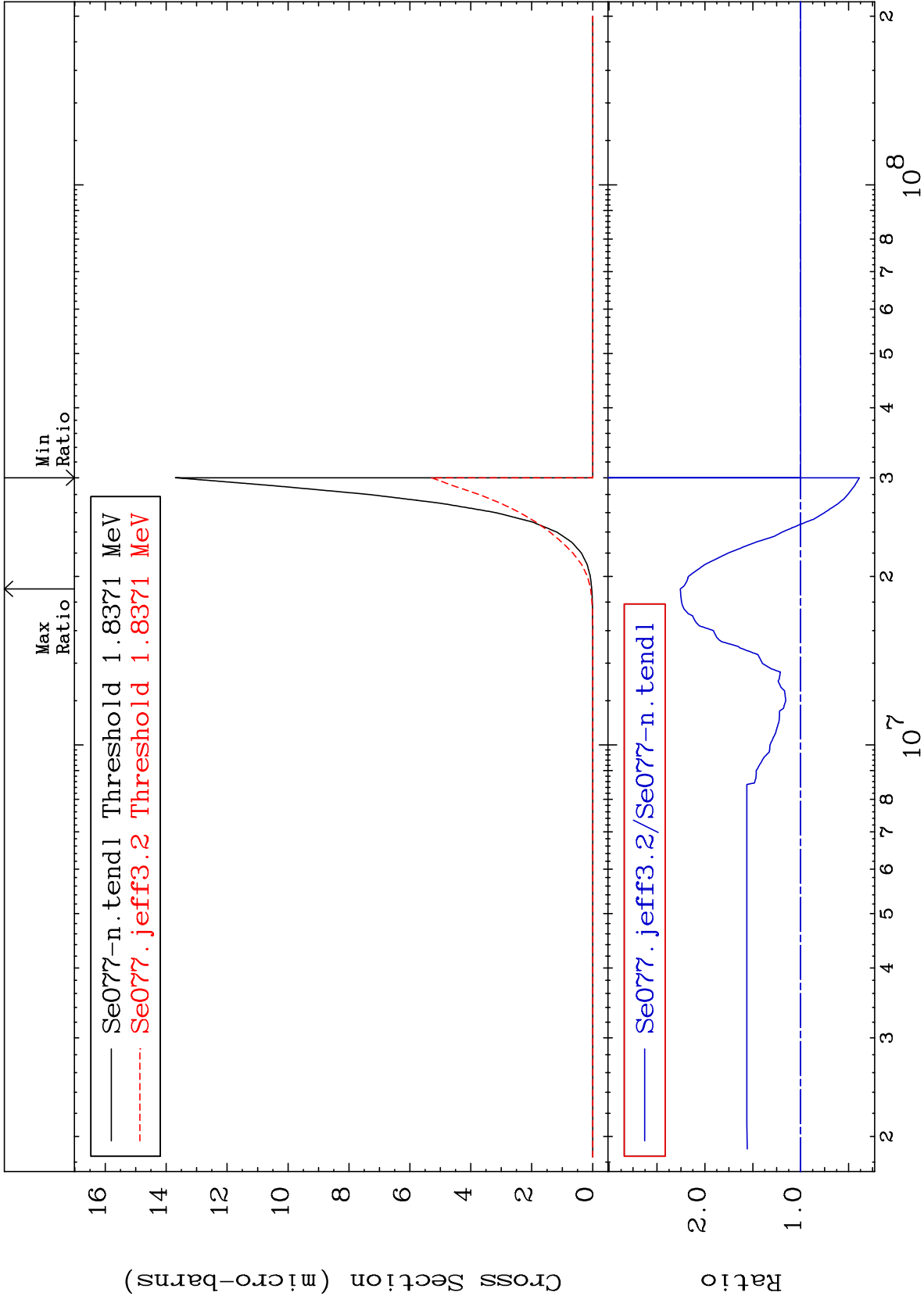
MAT 3434

(n,2α)

³⁴Se-77

Cross Section

-61.32 To 125.6 %



57

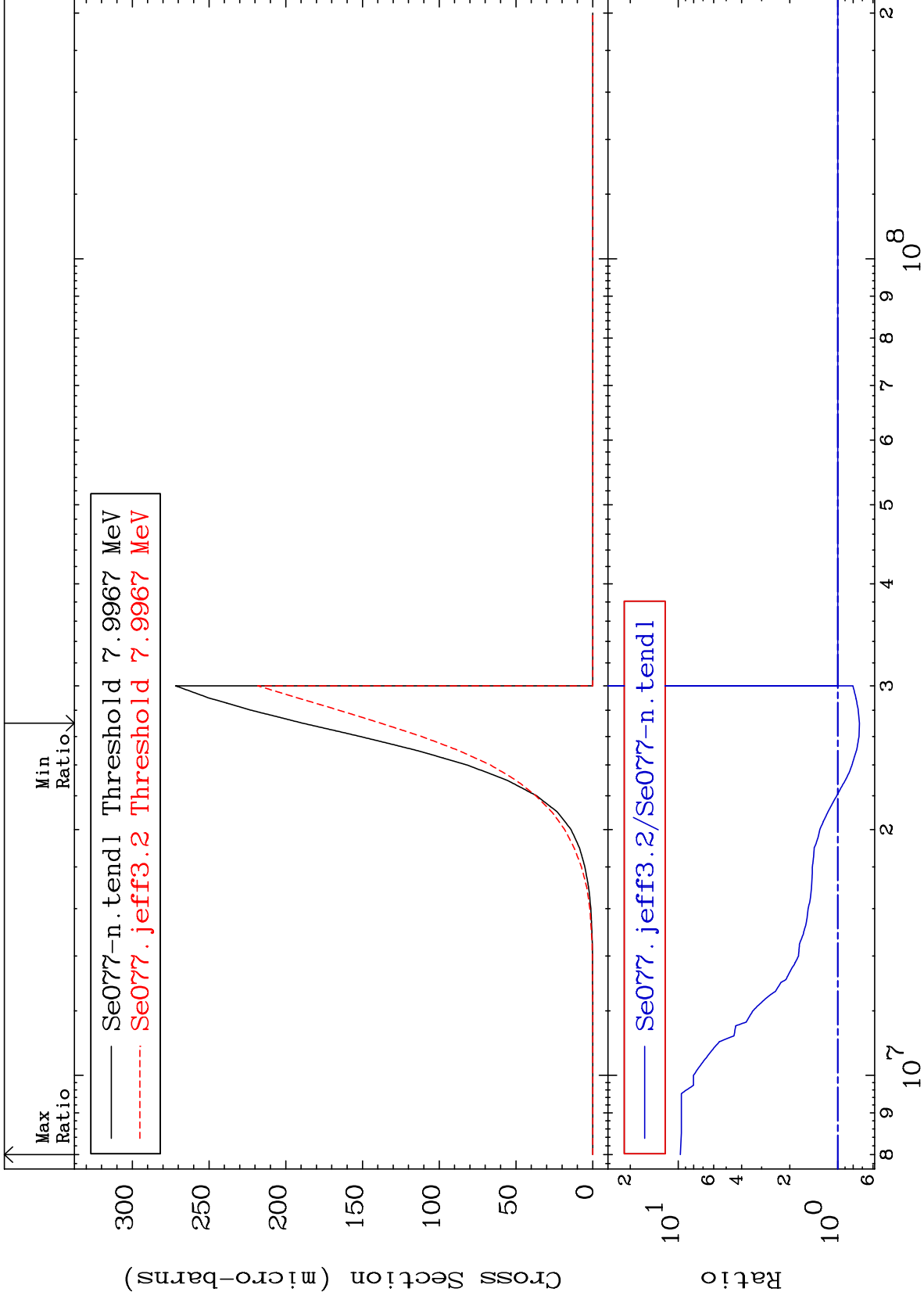
Incident Energy (eV)

³⁴Se-77

MAT 3434

(n,2p)
Cross Section

³⁴Se-77
-26.93 To 870.0 %



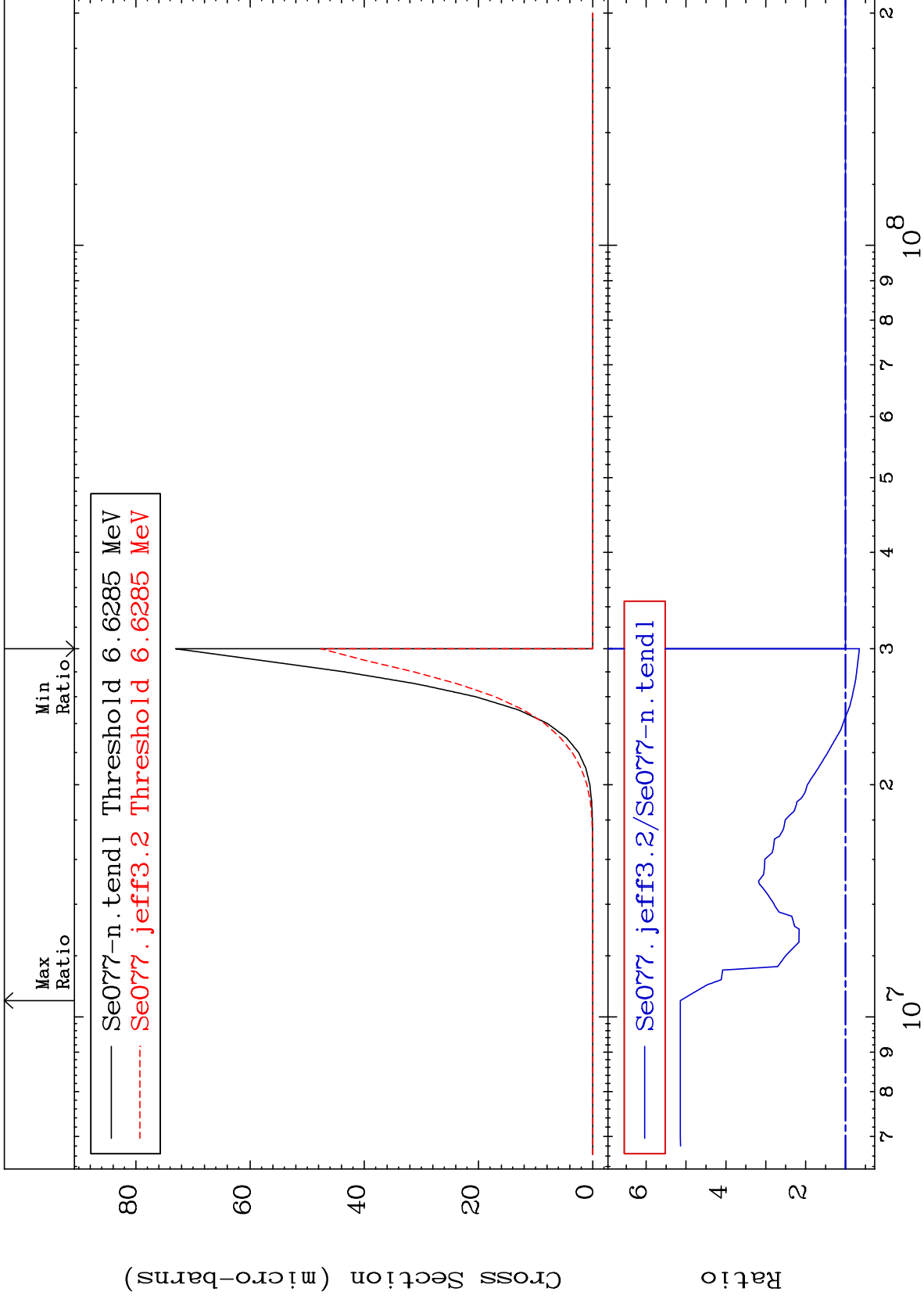
MAT 3434

(n,p) α

³⁴Se-77

Cross Section

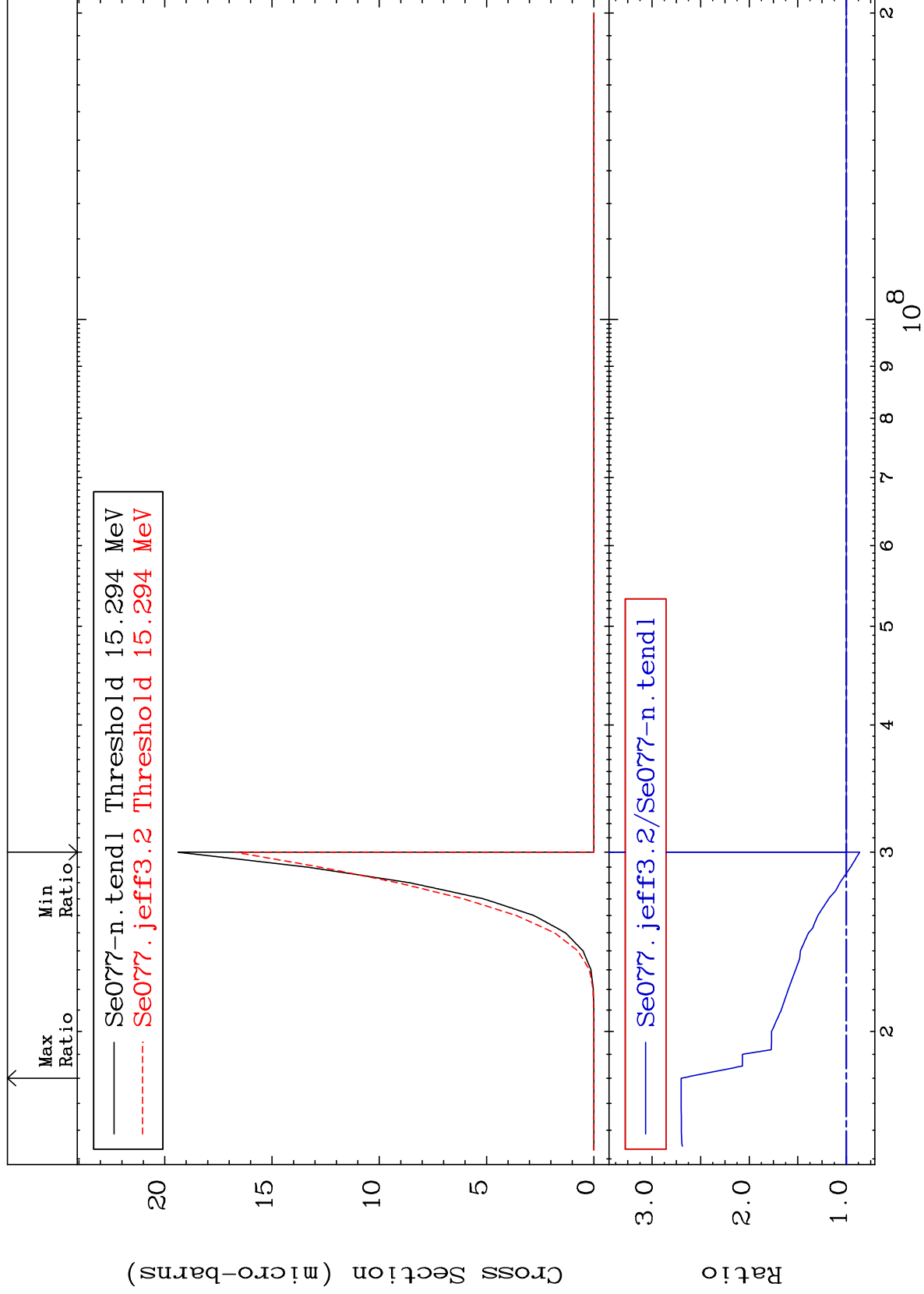
-34.87 To 414.2 %



MAT 3434

(n,p) d
Cross Section

³⁴Se-77
-13.71 To 170.0 %



60

Incident Energy (eV)

³⁴Se-77

MAT 3434

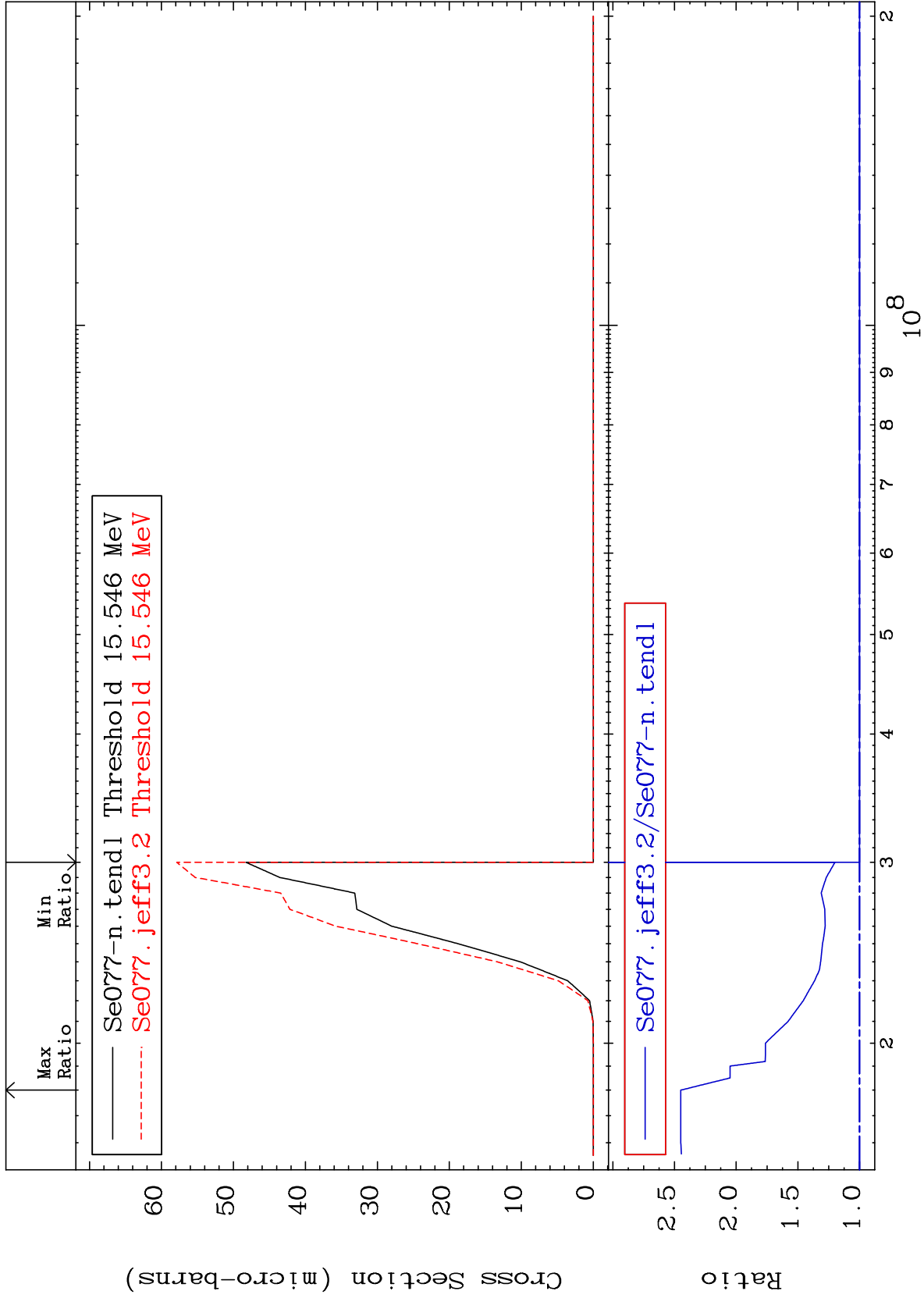
(n,p) t

³⁴Se-77

Cross Section

0.000

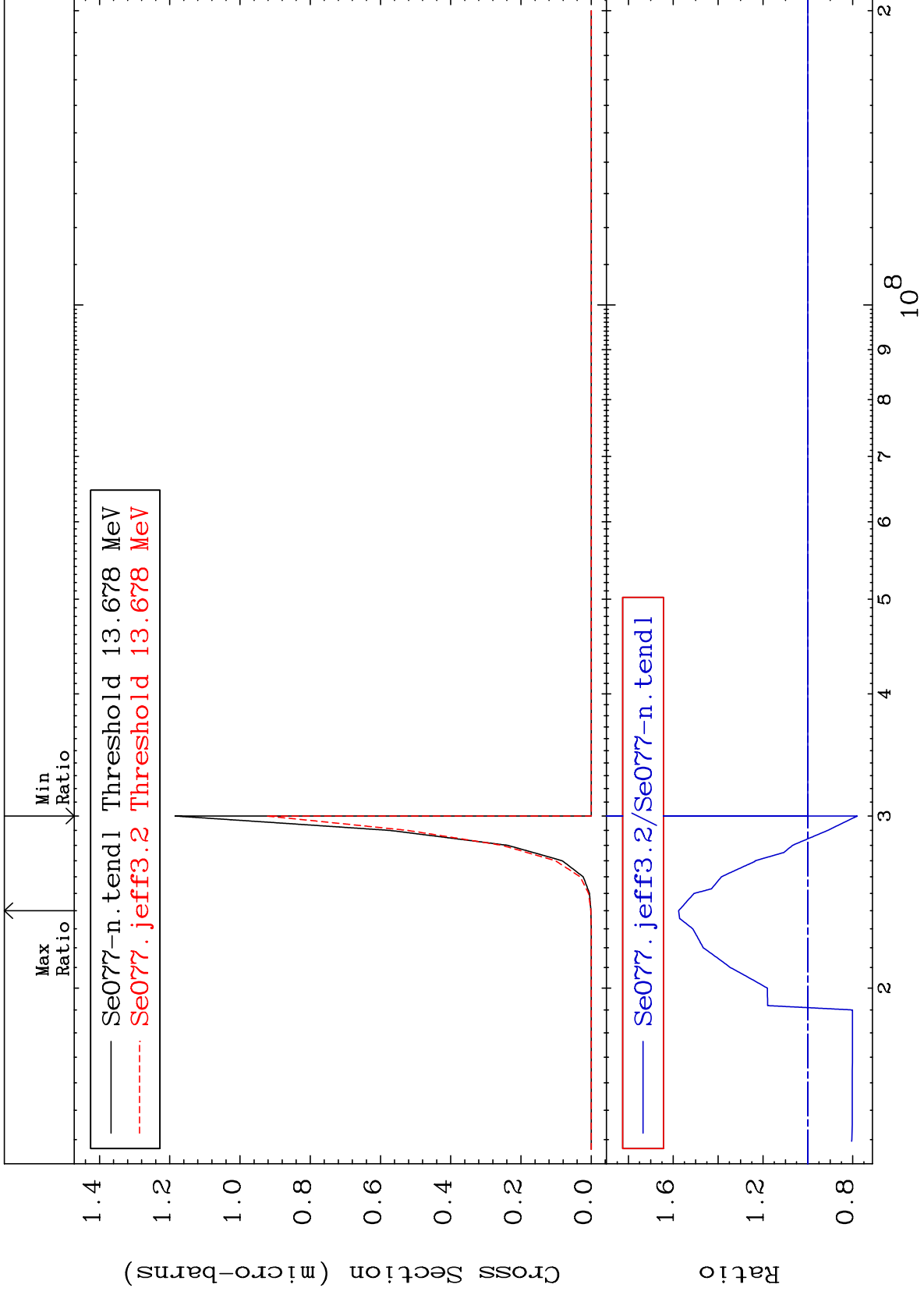
To 144.9 %



MAT 3434

(n, d) α
Cross Section

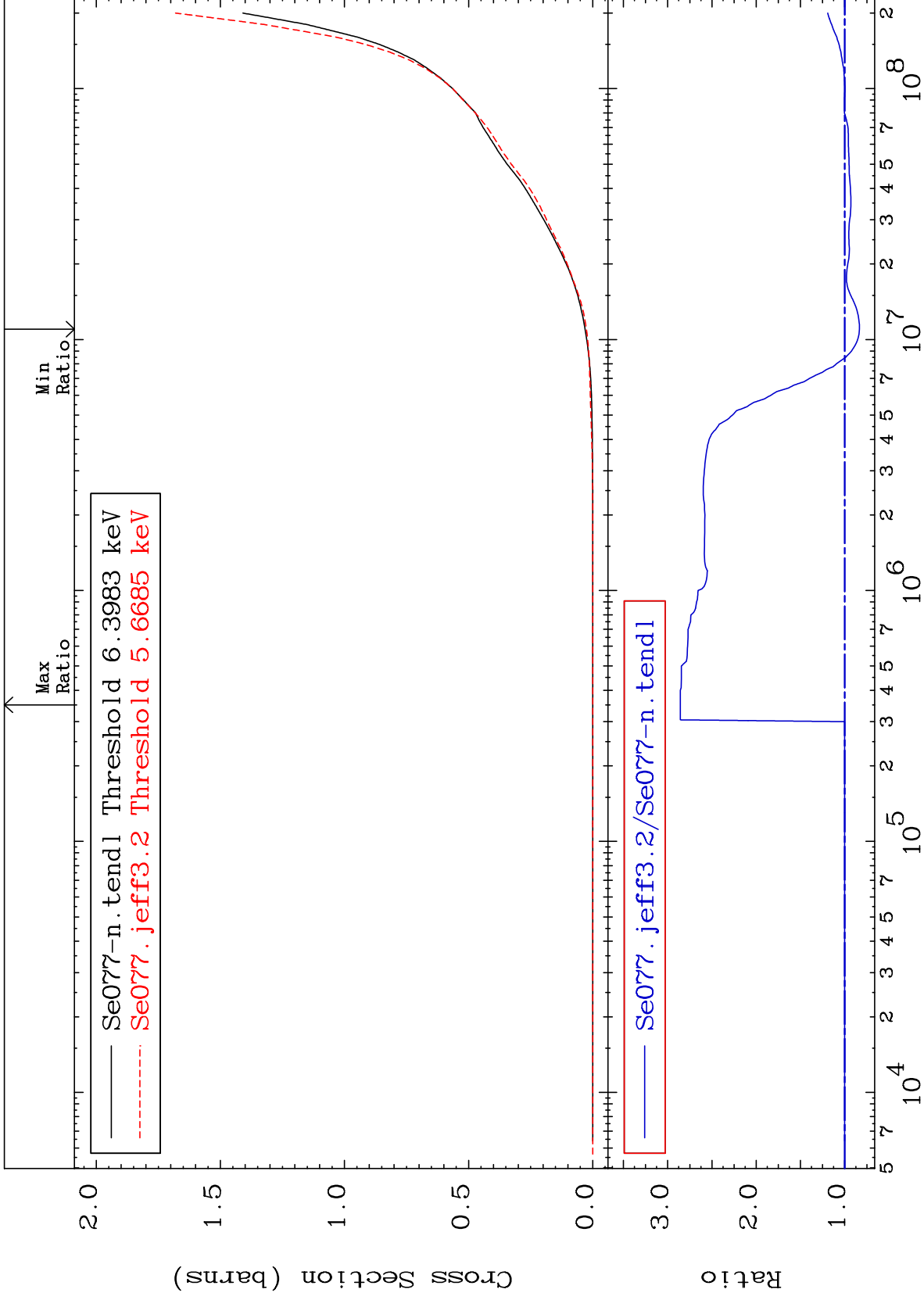
³⁴Se-77
-22.03 To 57.59 %



MAT 3434

Hydrogen Production
Cross Section

³⁴Se-77
-16.61 To 185.7 %



63

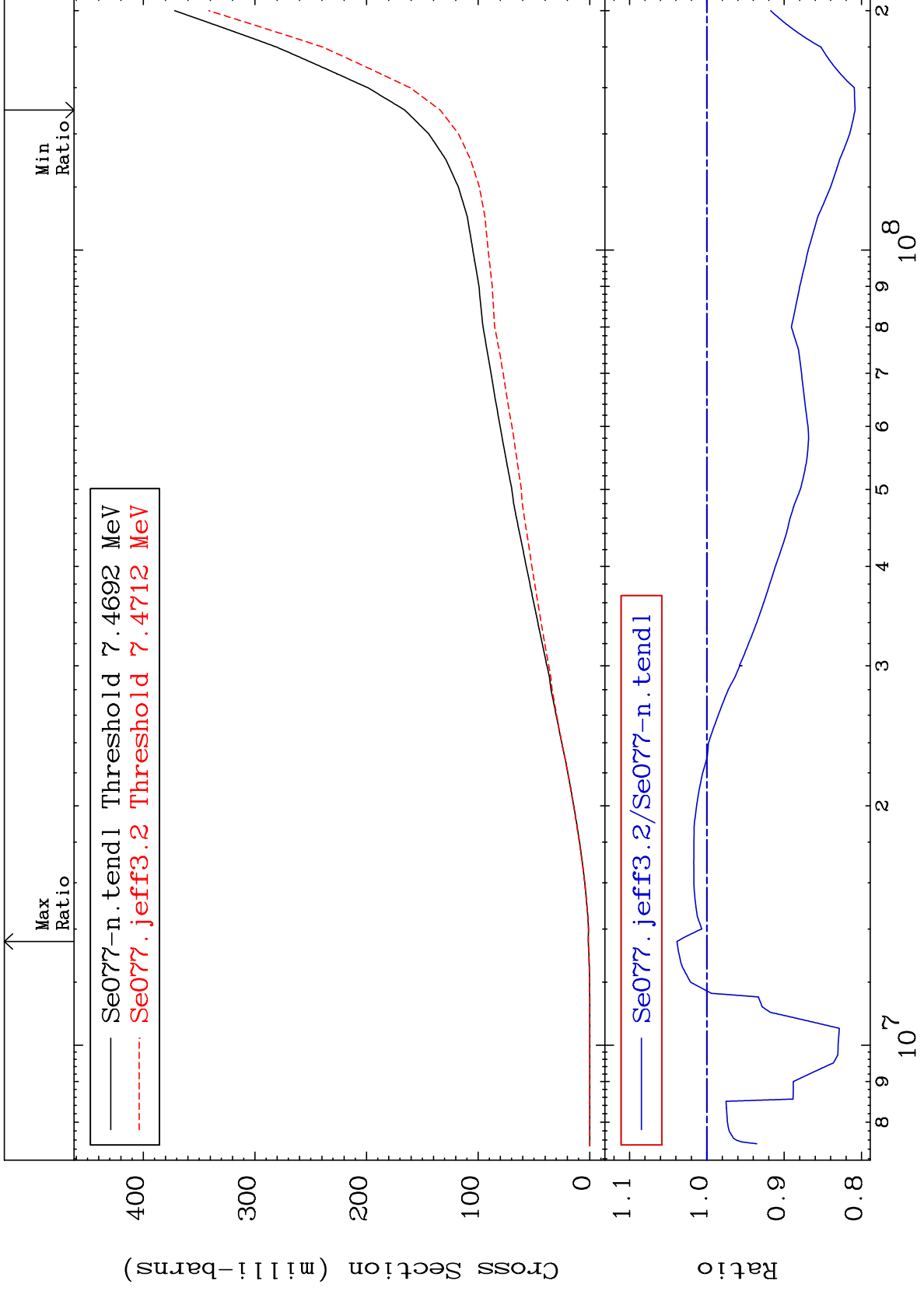
Incident Energy (eV)

³⁴Se-77

MAT 3434

Deuterium Production
Cross Section

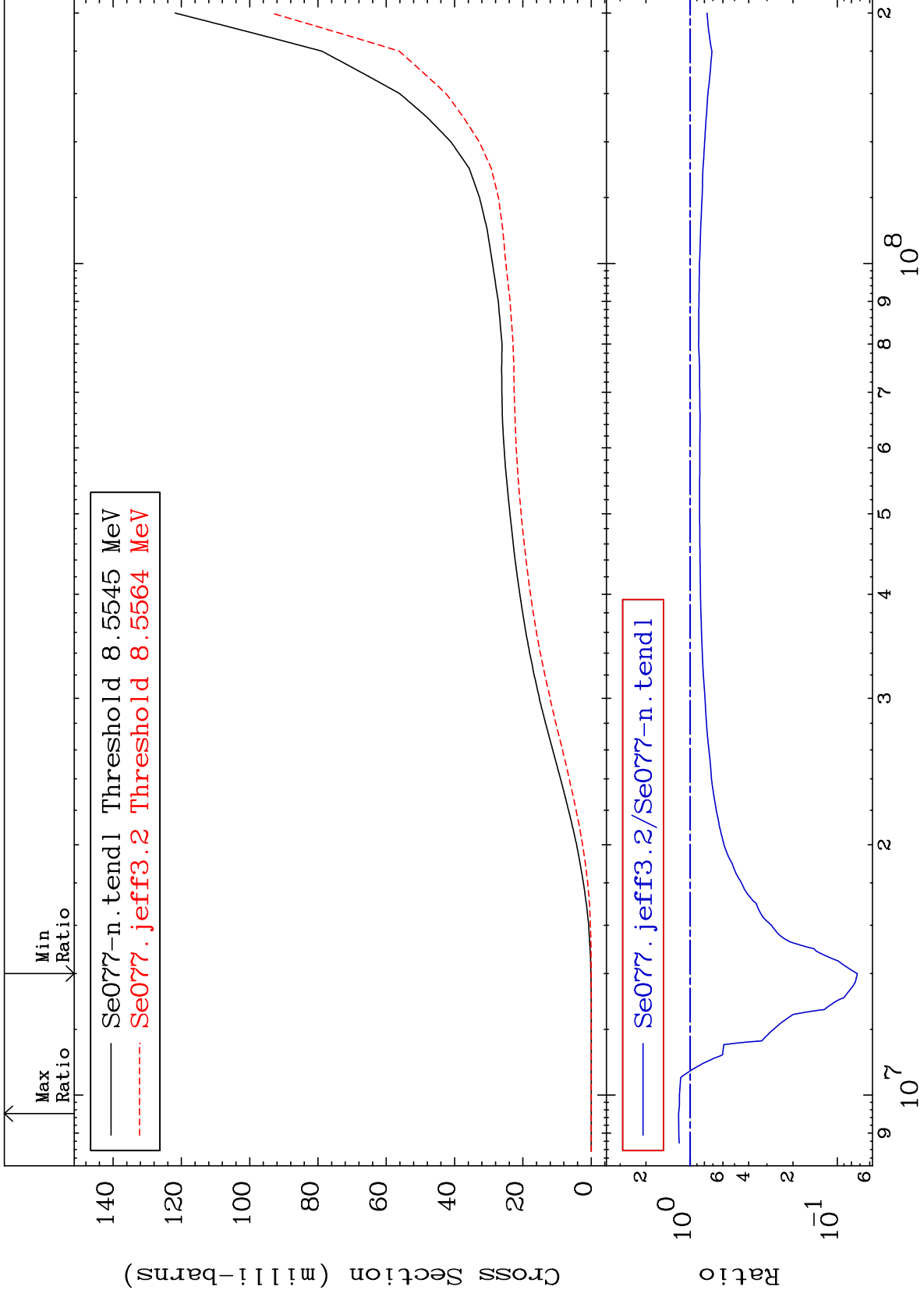
³⁴Se-77
-19.16 To 3.869 %



MAT 3434

Tritium Production
Cross Section

$^{34}\text{Se-77}$
-92.69 To 19.86 %



65

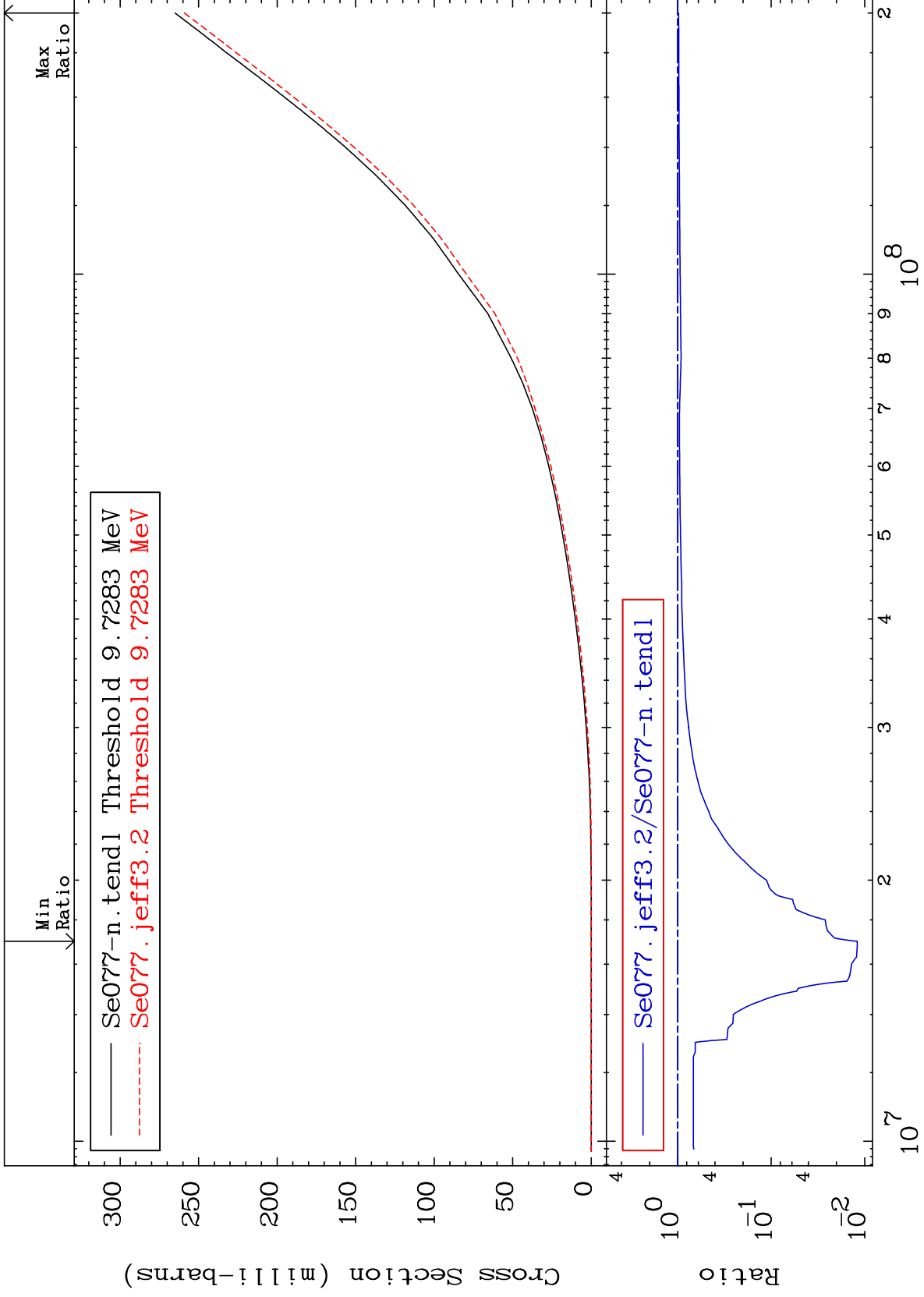
Incident Energy (eV)

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

MAT 3434

He-3 Production
Cross Section

³⁴Se-77
-98.80 To -2.250%



66

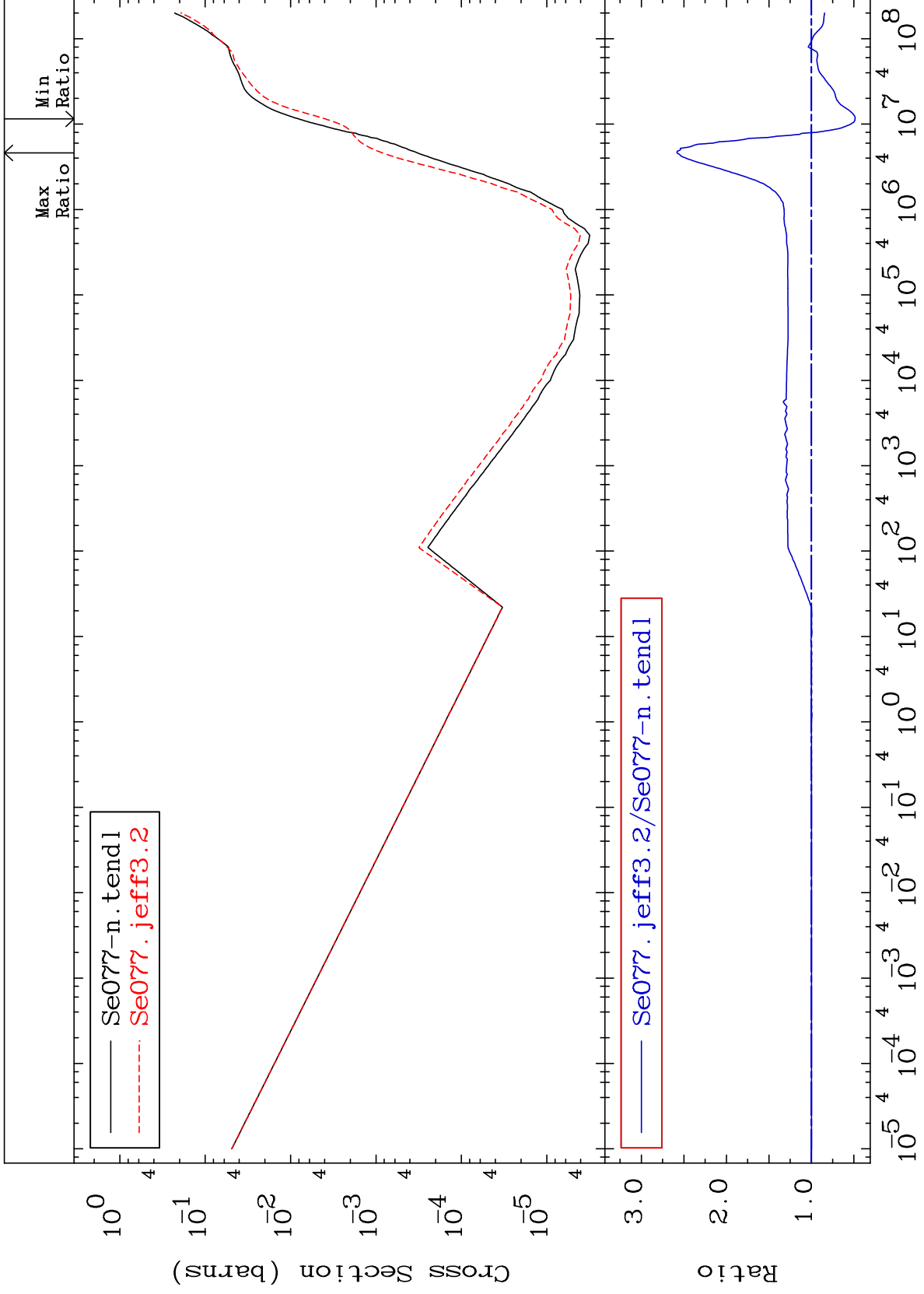
Incident Energy (eV)

³⁴Se-77

MAT 3434

He-4 Production
Cross Section

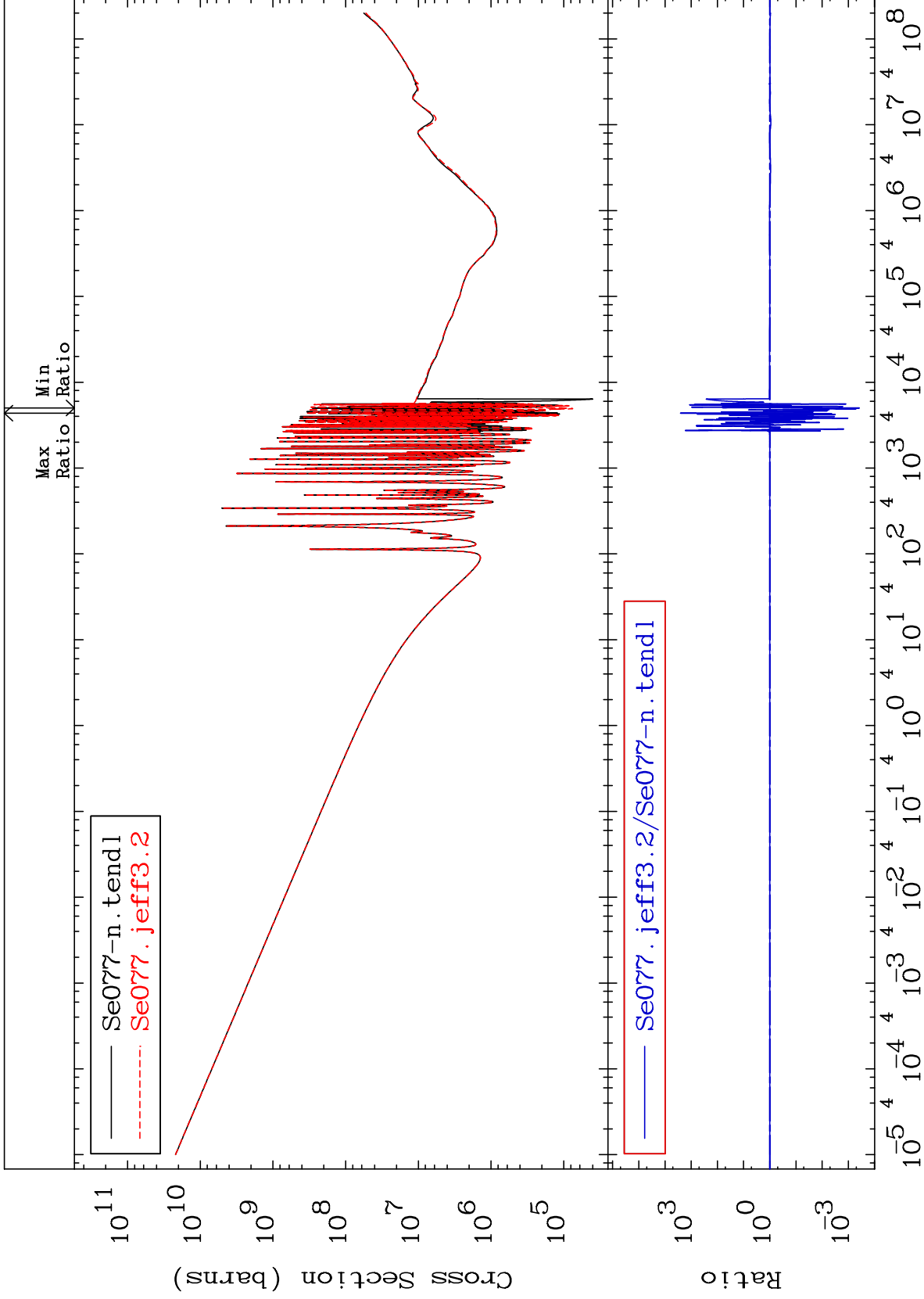
34-Se-77
-51.36 To 158.2 %



67

Incident Energy (eV)

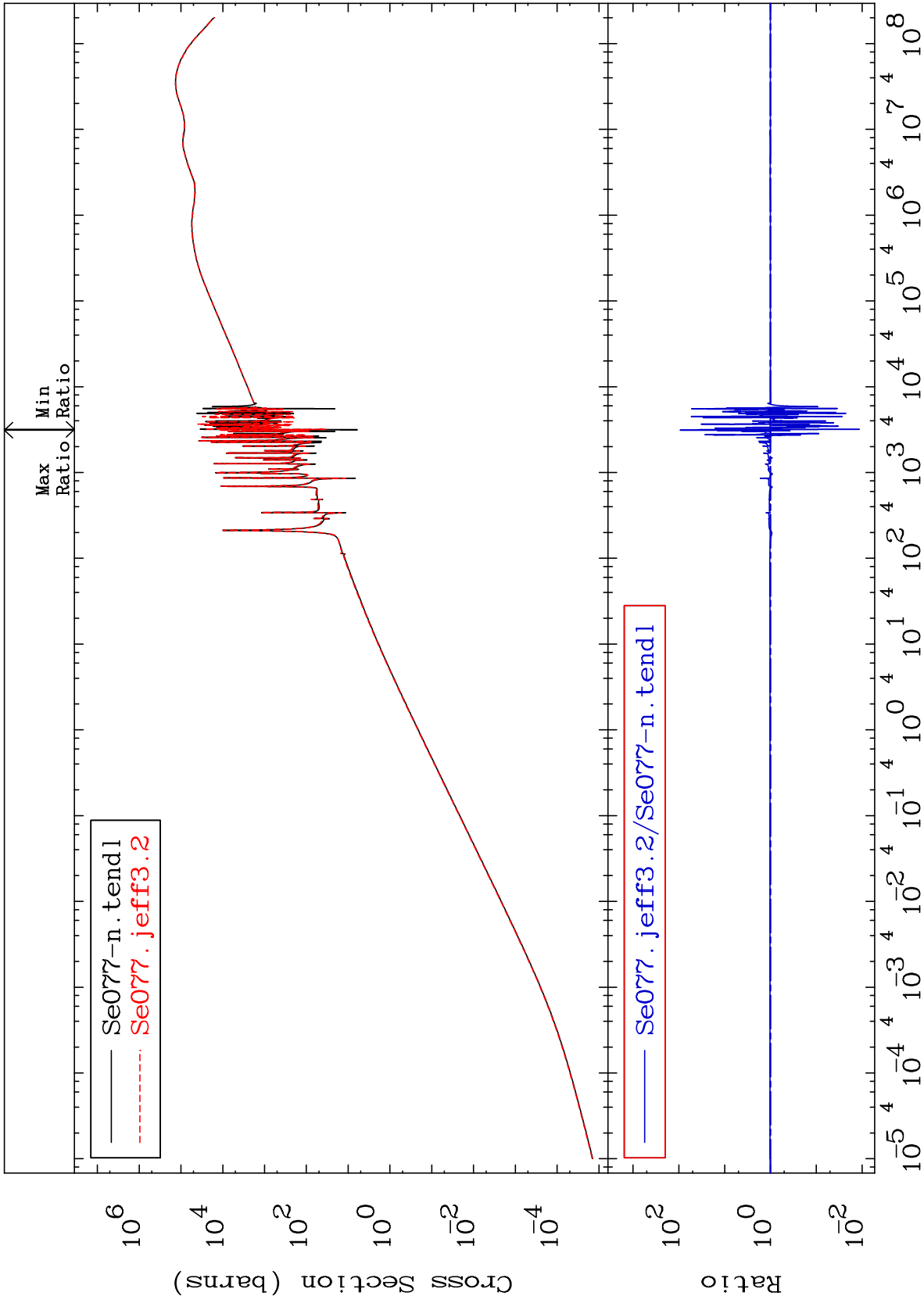
34-Se-77



MAT 3434

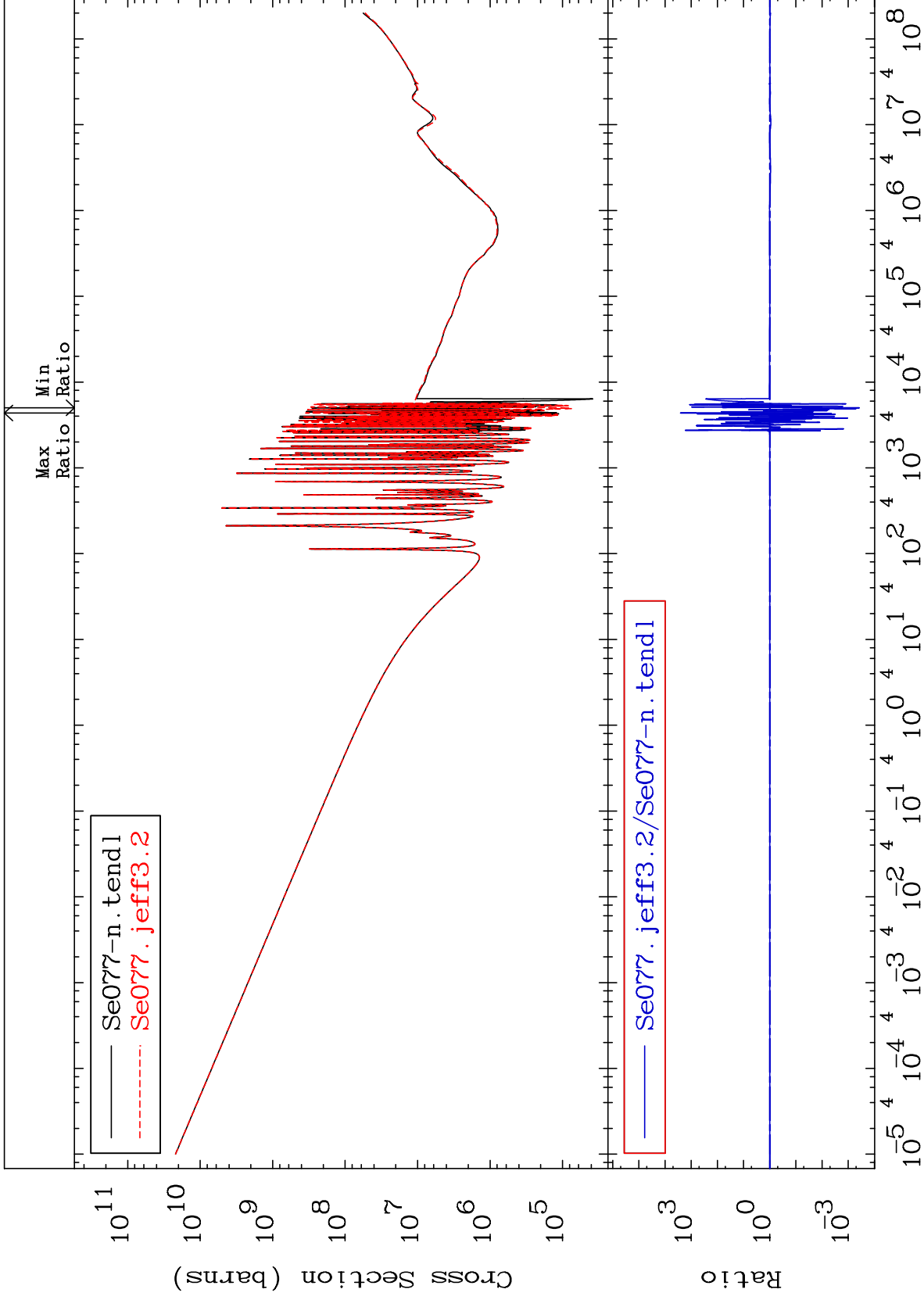
Kerma elastic
Cross Section

³⁴Se-77
-98.86 To 9172. %



— Se077-n.tendl
- - - Se077.jeff3.2

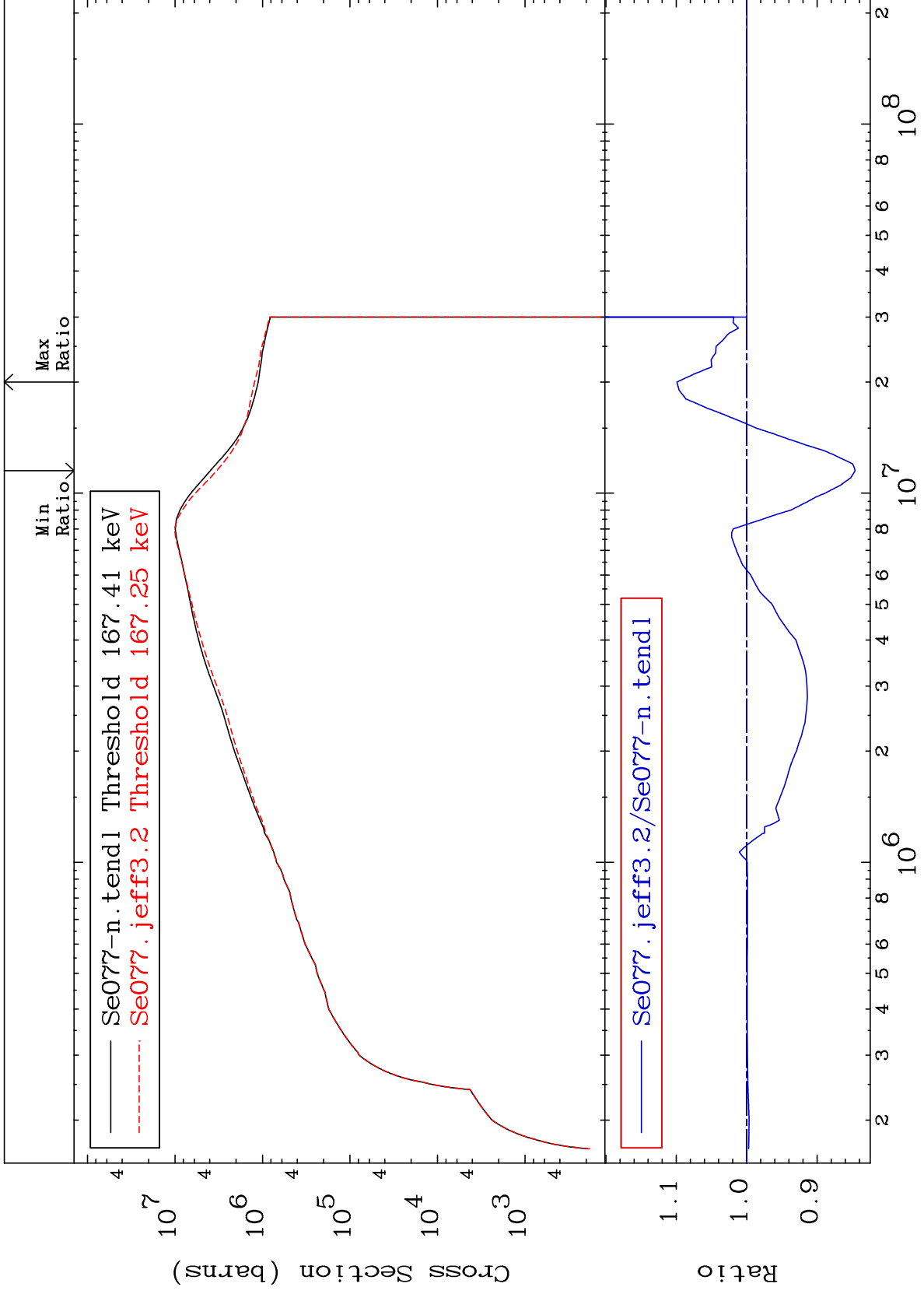
— Se077.jeff3.2/Se077-n.tendl



MAT 3434

Kerma inelastic (mt51-91)
Cross Section

34-Se-77
-15.40 To 9.911 %



71

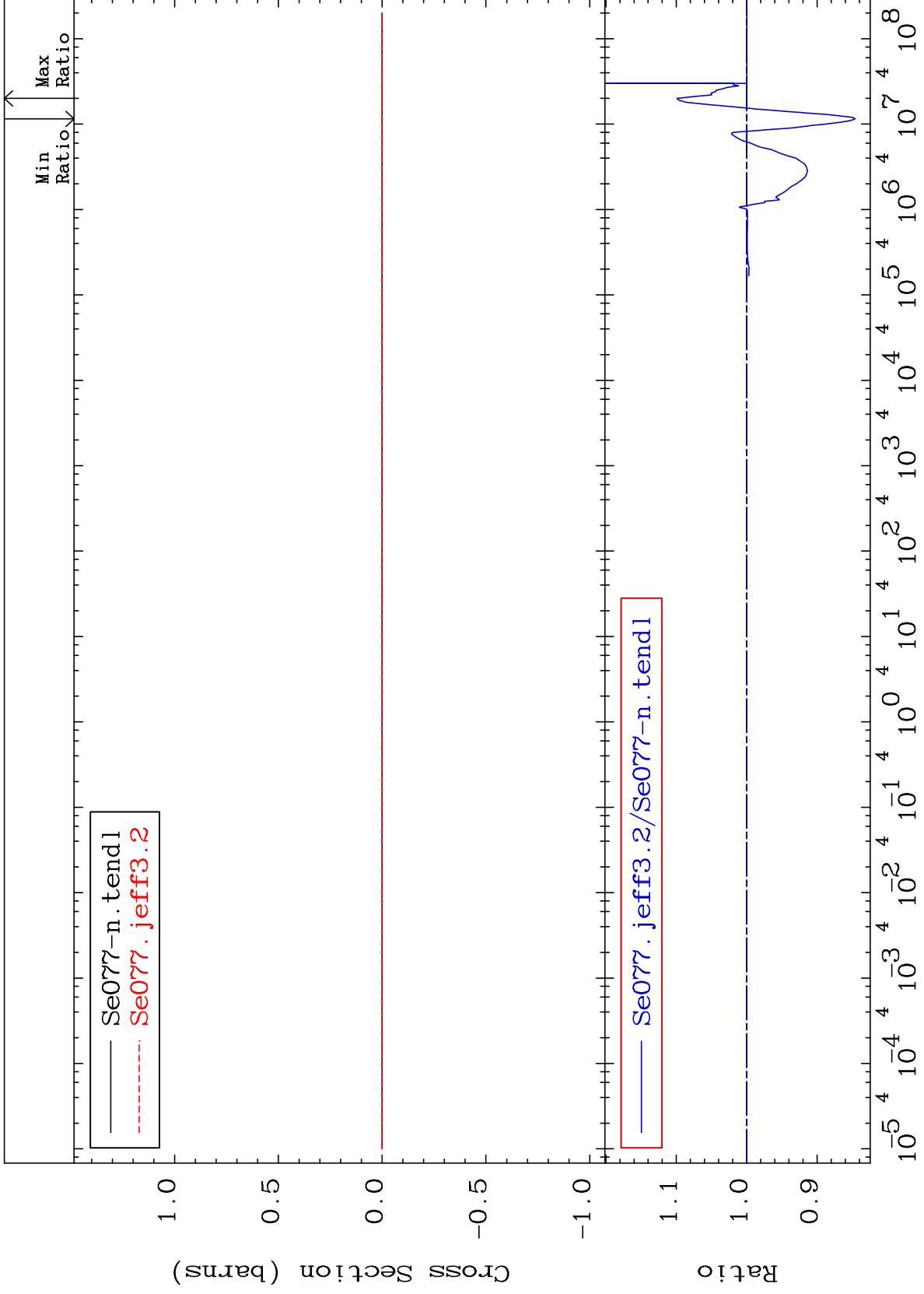
Incident Energy (eV)

34-Se-77

MAT 3434

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

34-Se-77
-15.40 To 9.911 %



72

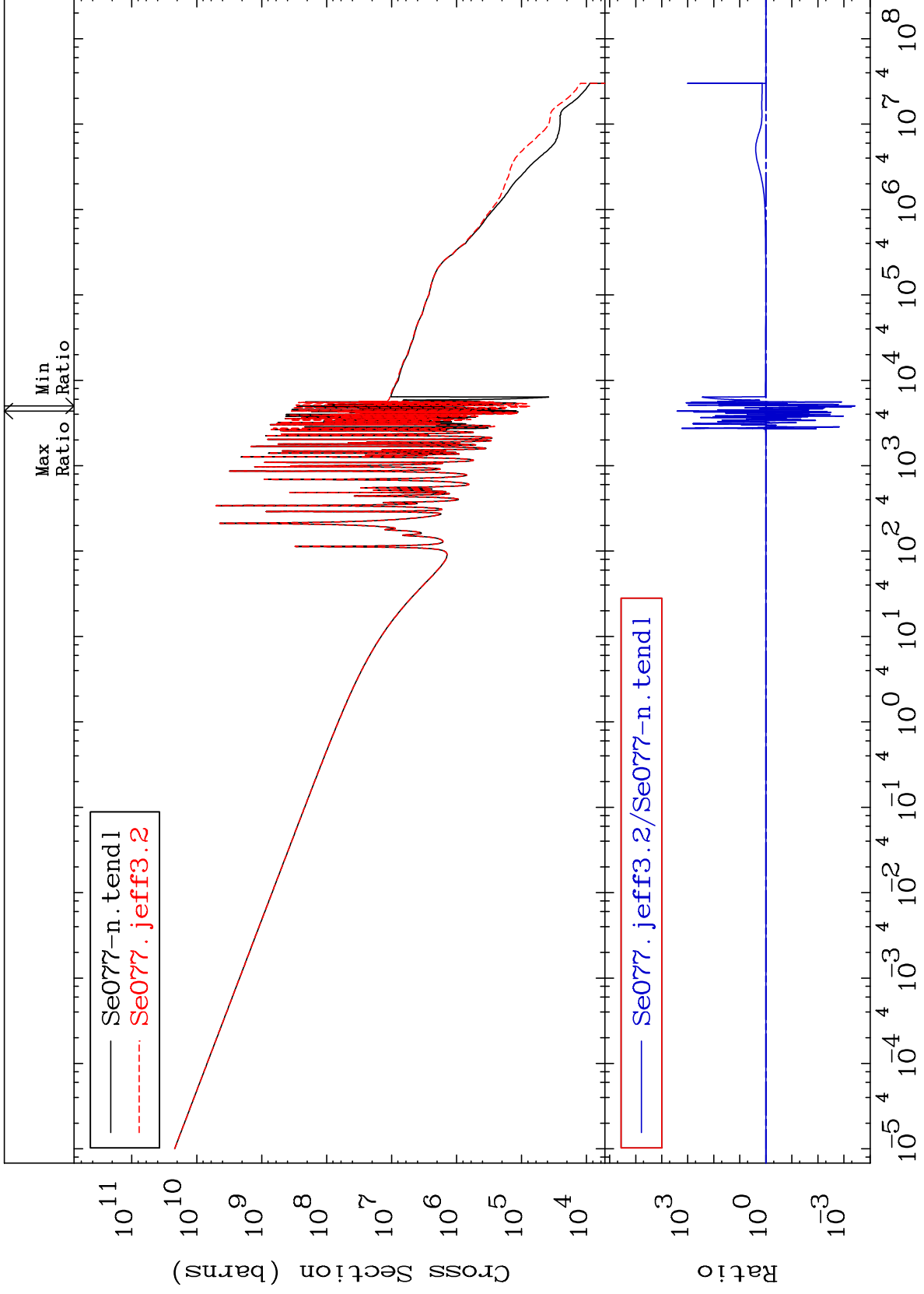
Incident Energy (eV)

34-Se-77

MAT 3434

Kerma capture (mt102)
Cross Section

³⁴Se-77
-99.96 To 9999. %



73

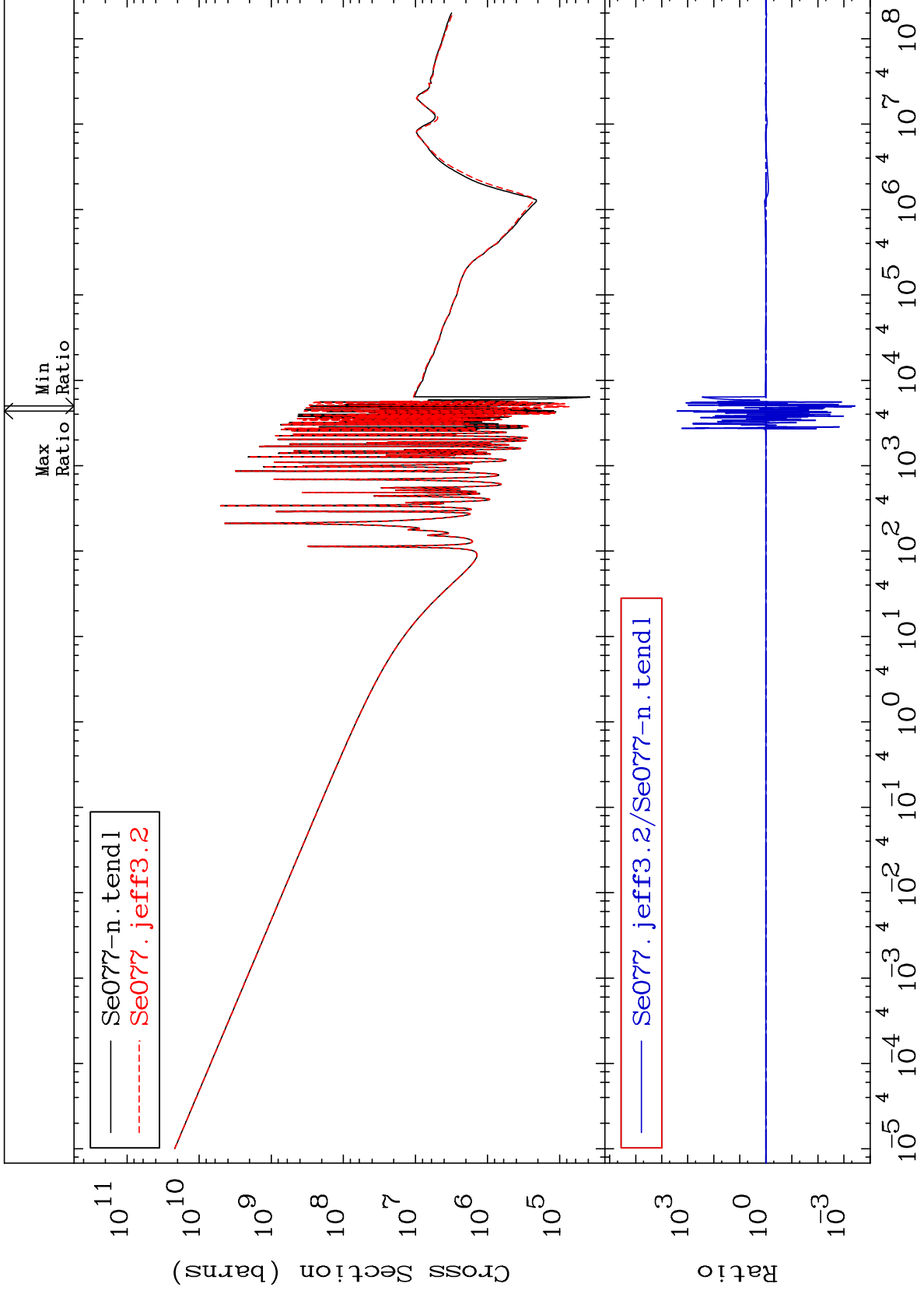
Incident Energy (eV)

³⁴Se-77

MAT 3434

Total photon (eV-barns)
Cross Section

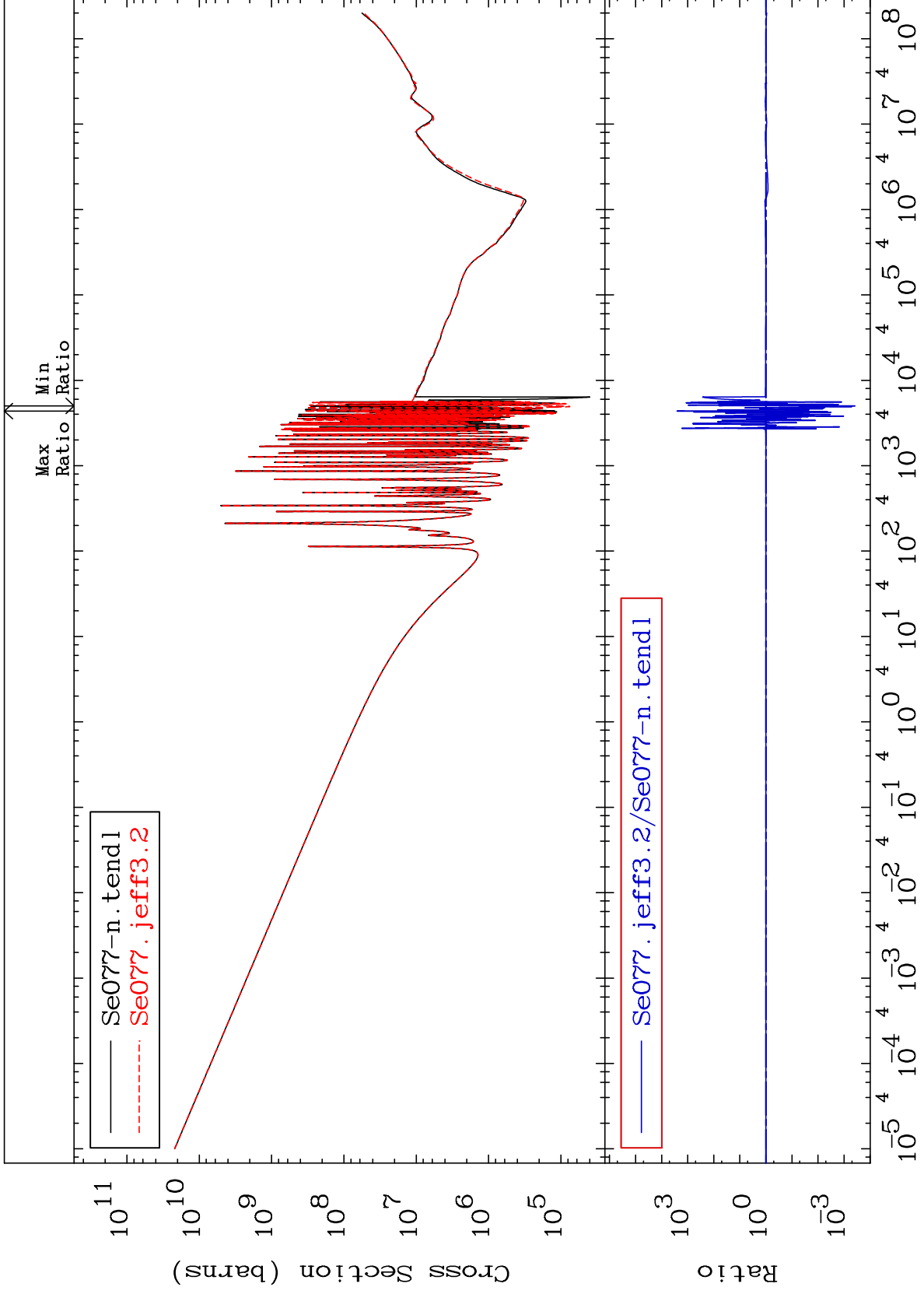
³⁴Se-77
-99.96 To 9999. %

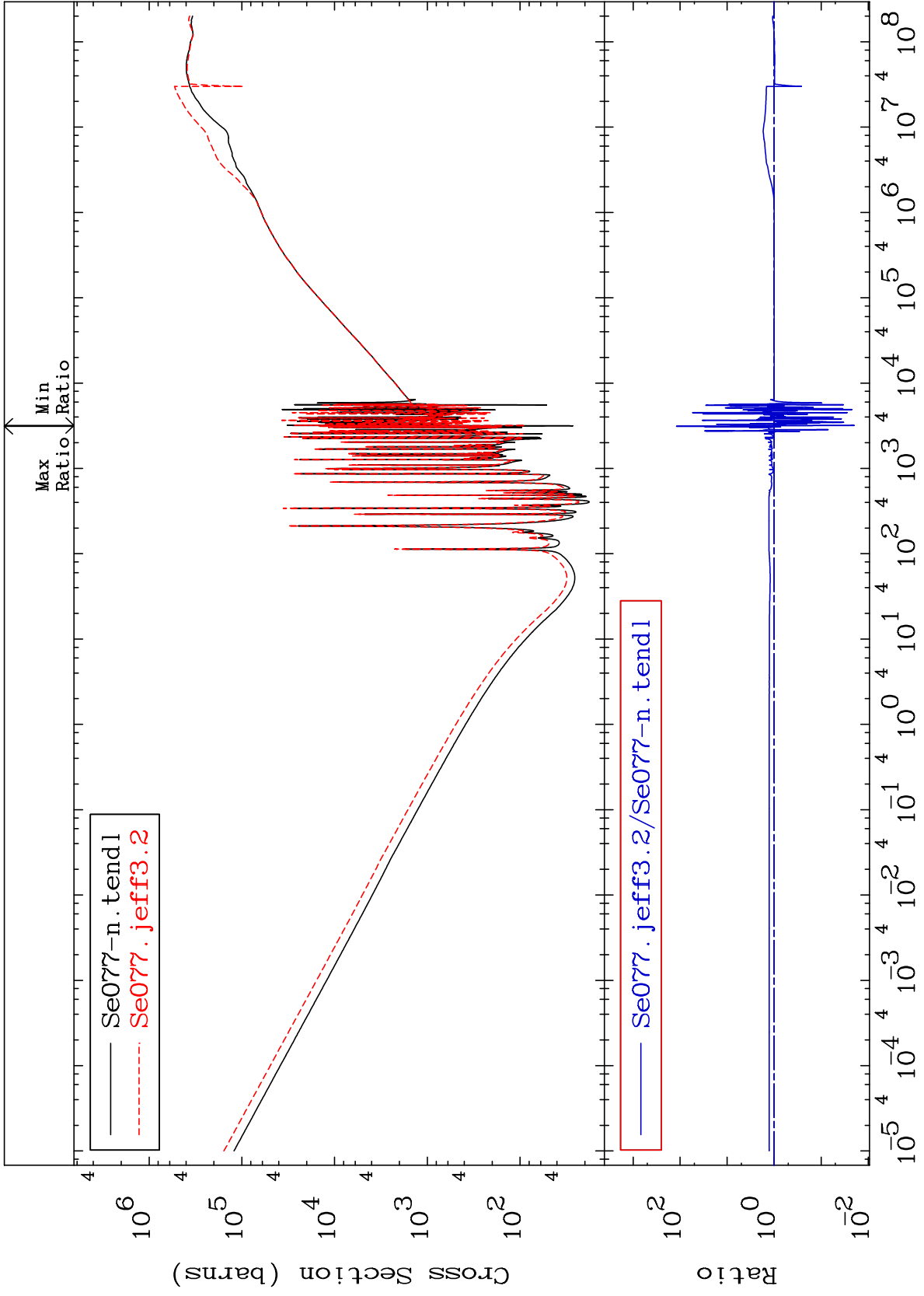


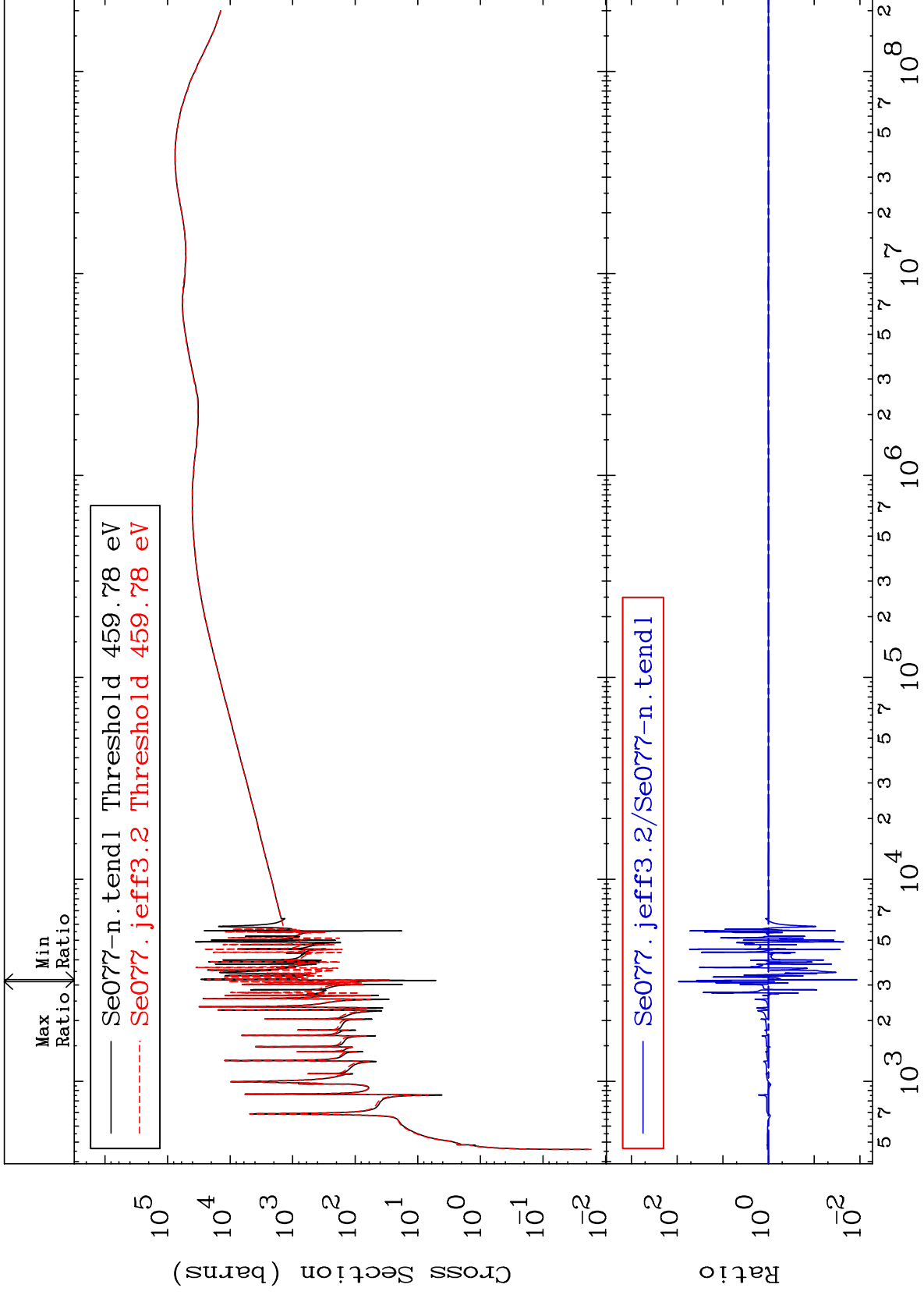
74

Incident Energy (eV)

³⁴Se-77



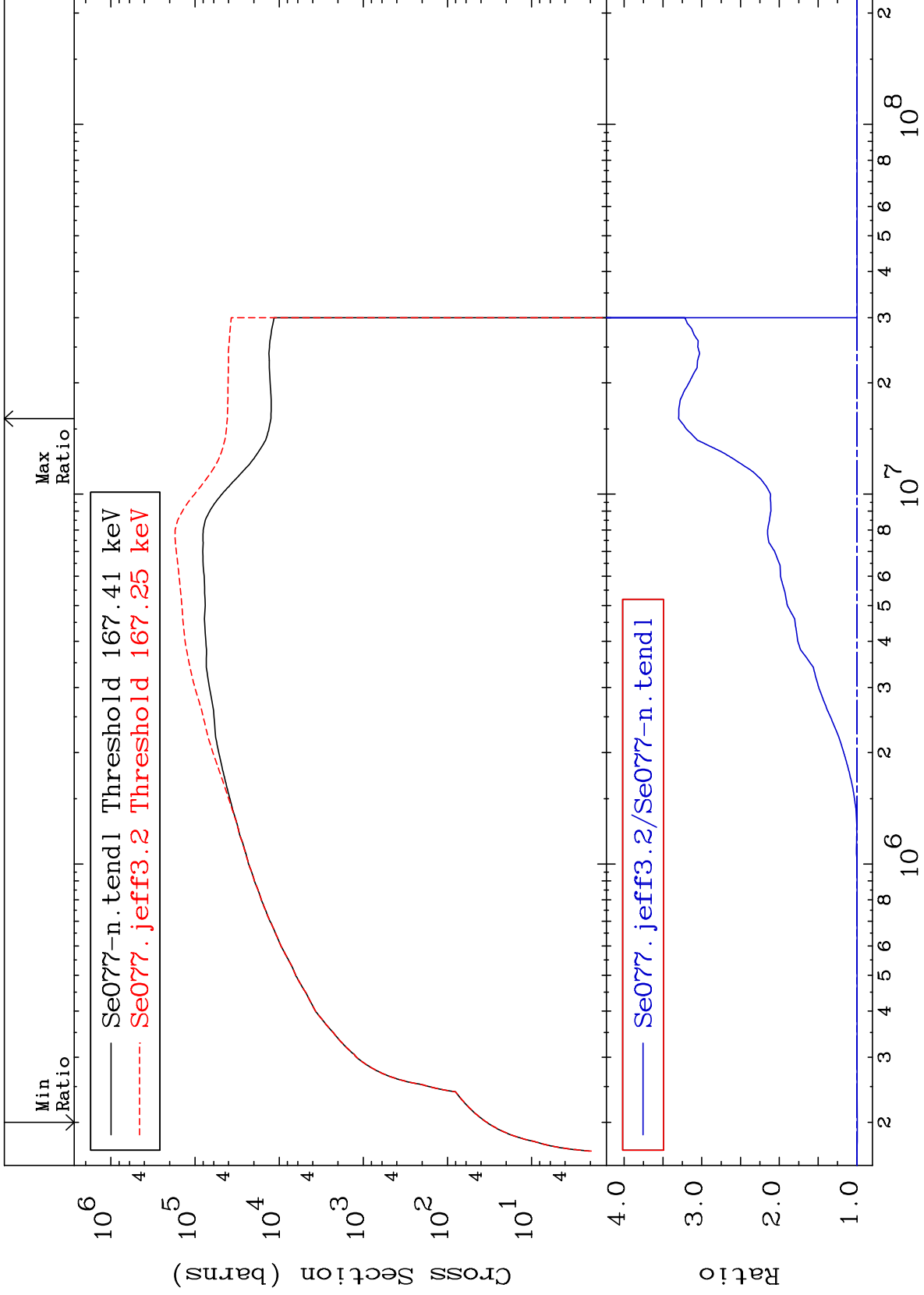


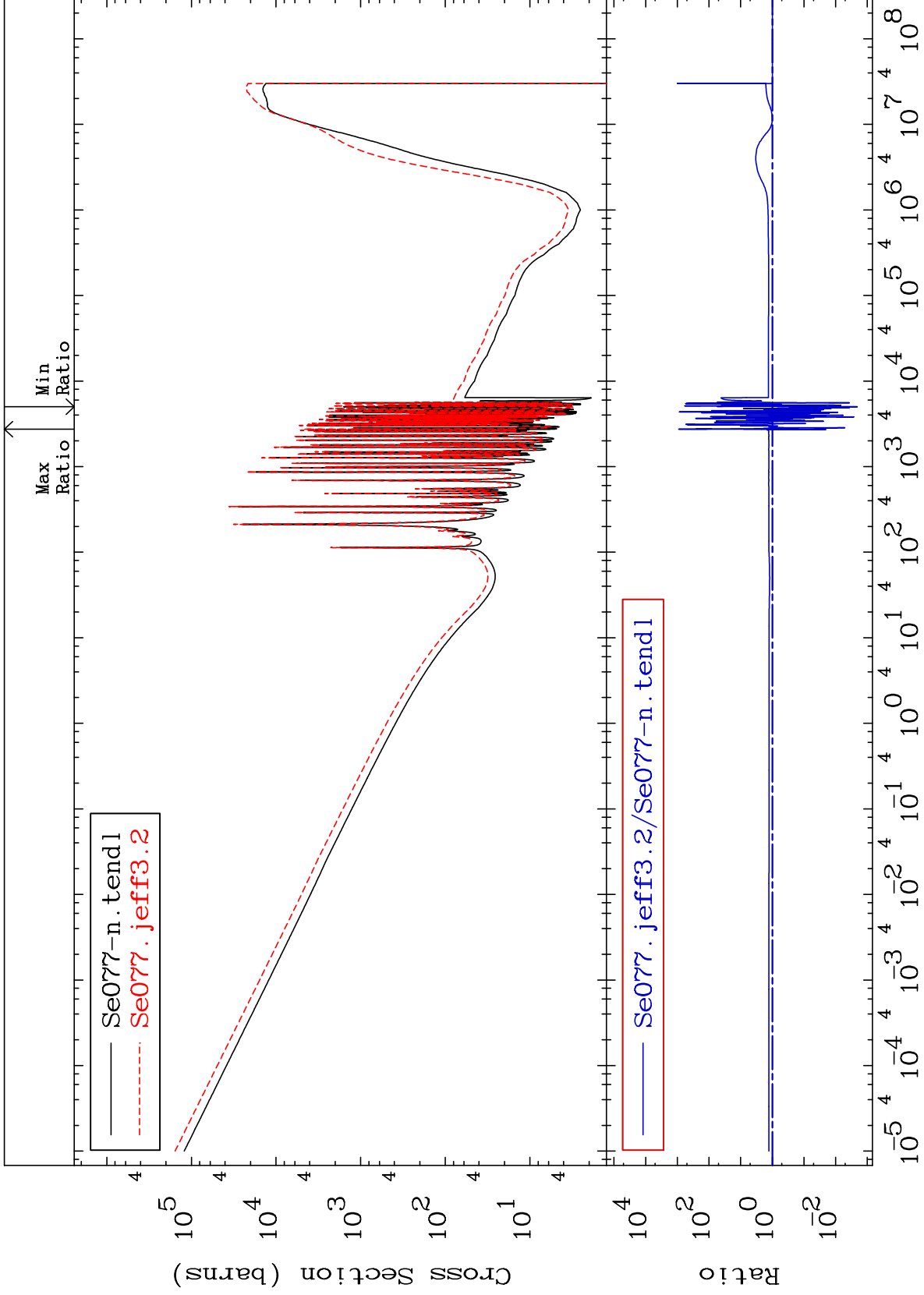


MAT 3434

Dpa inelastic (mt51-91)
Cross Section

34-Se-77
-0.340 To 229.7 %

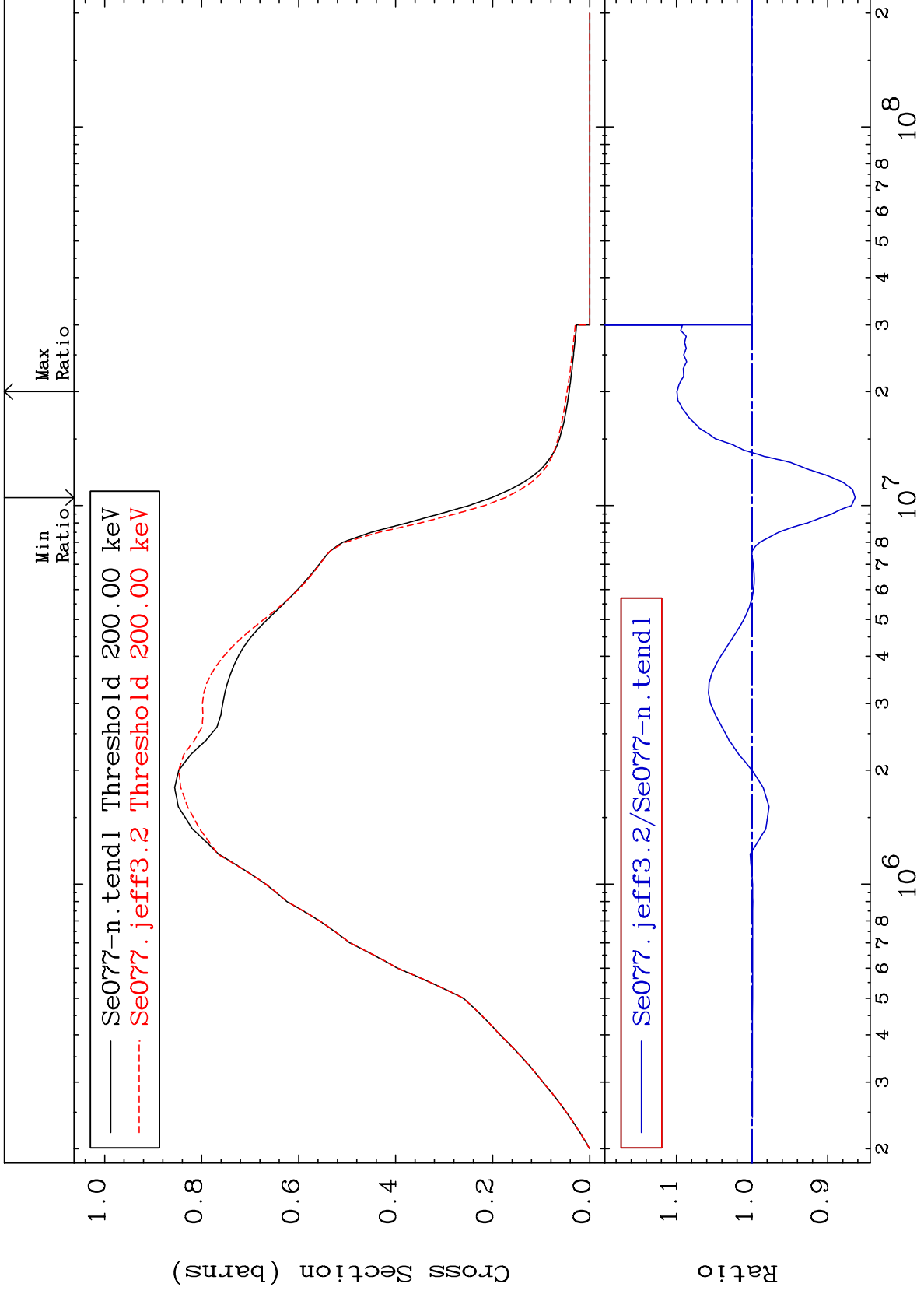




MAT 3434

Inelastic:34-Se-77g
Radionuclide Production Cross Section -13.63 To 9.942 %

34-Se-77



80

34-Se-77

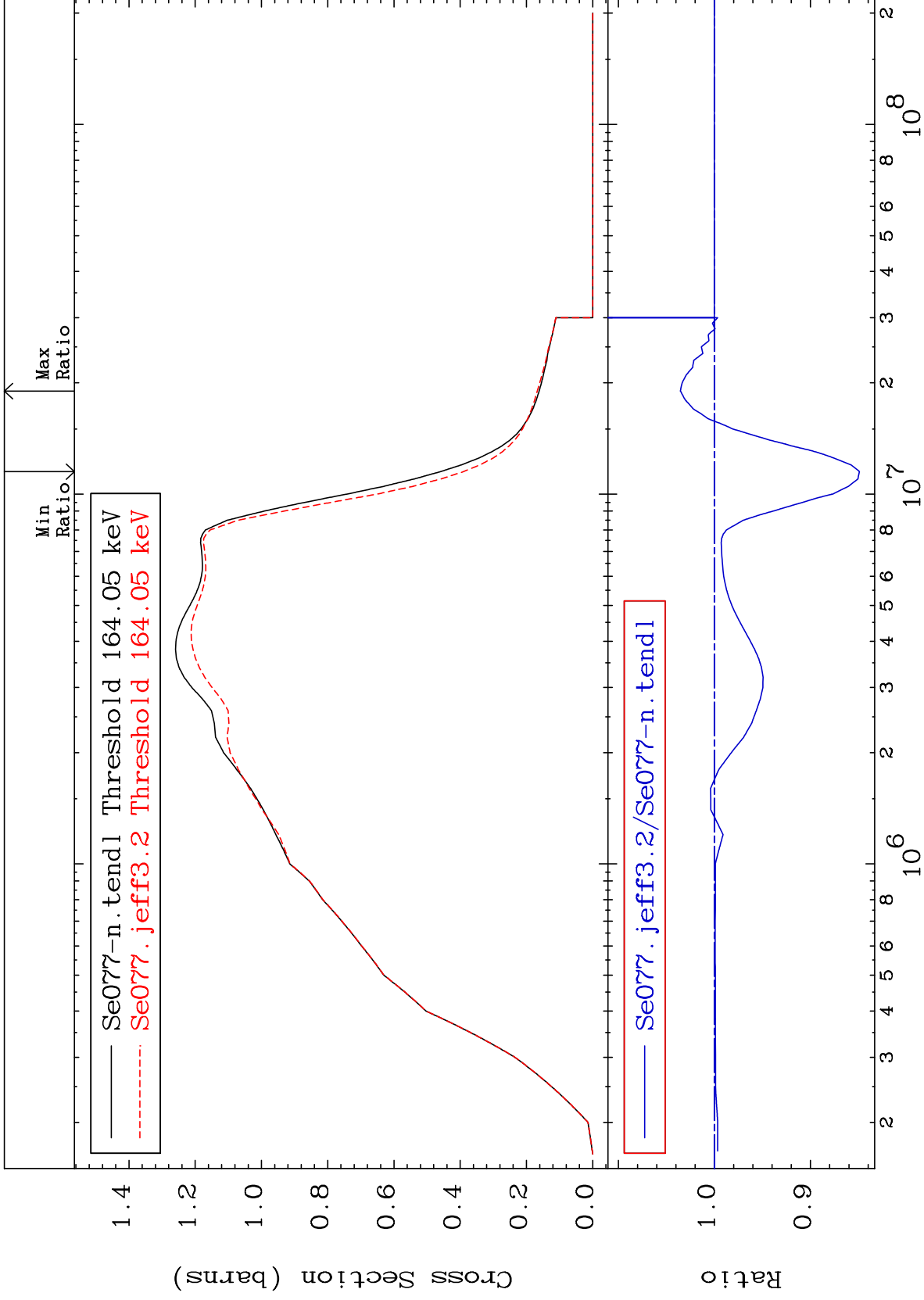
34-Se-77

MAT 3434

Inelastic:34-Se-77m1

34-Se-77

Radionuclide Production Cross Section -15.10 To 3.540 %



81

Incident Energy (eV)

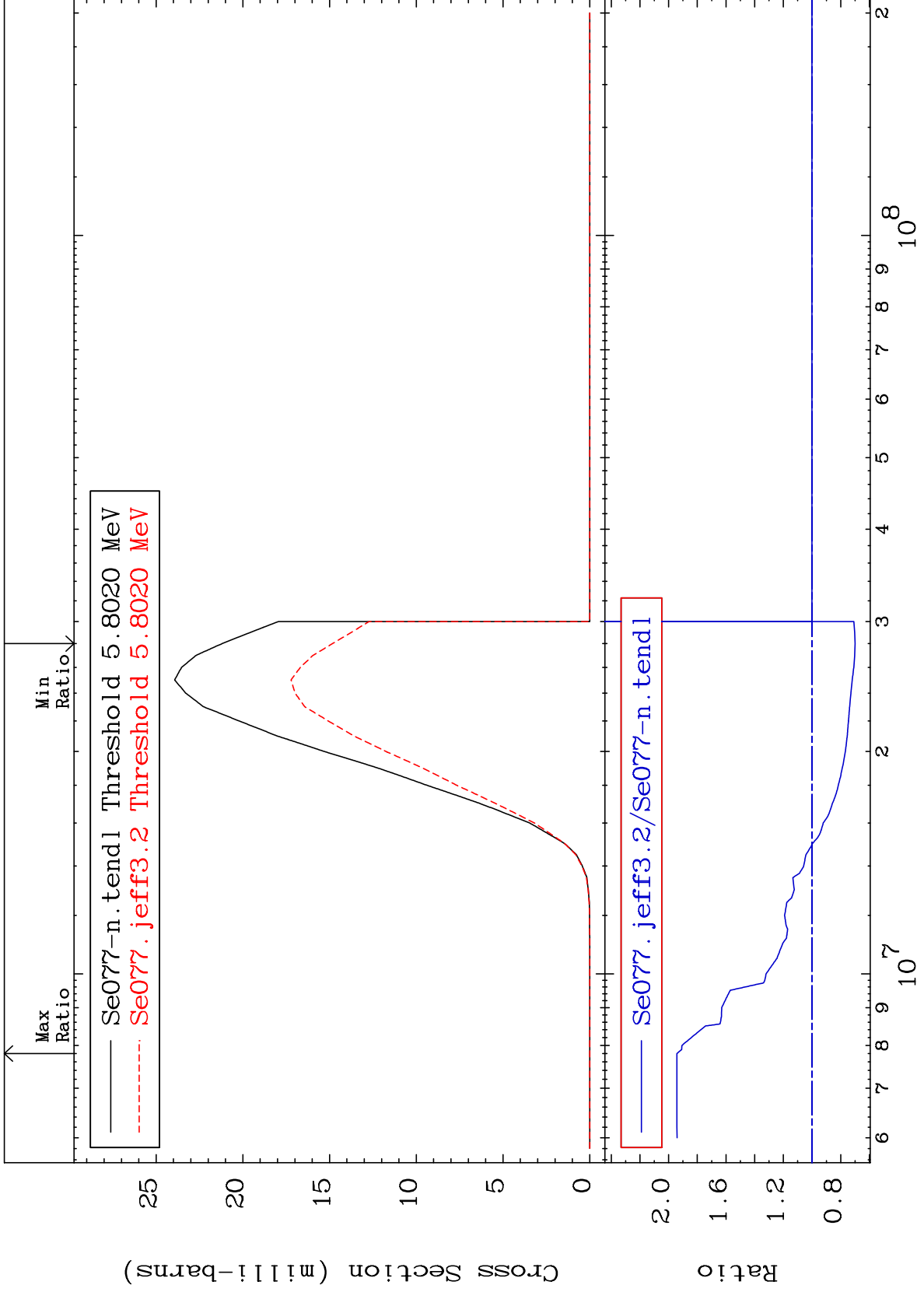
34-Se-77

MAT 3434

(n, n') α :32-Ge-73g

34-Se-77

Radionuclide Production Cross Section -30.03 To 94.22 %

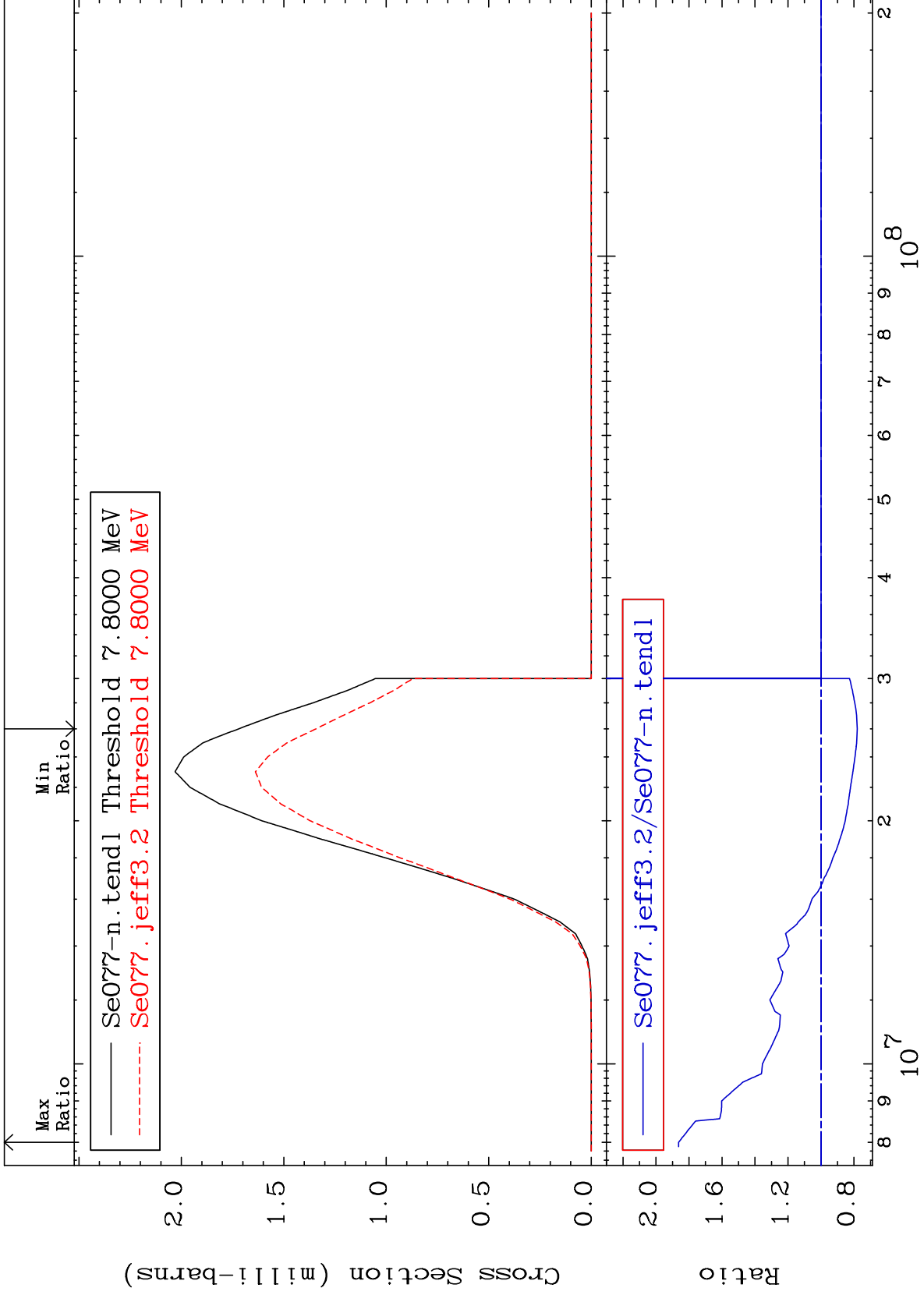


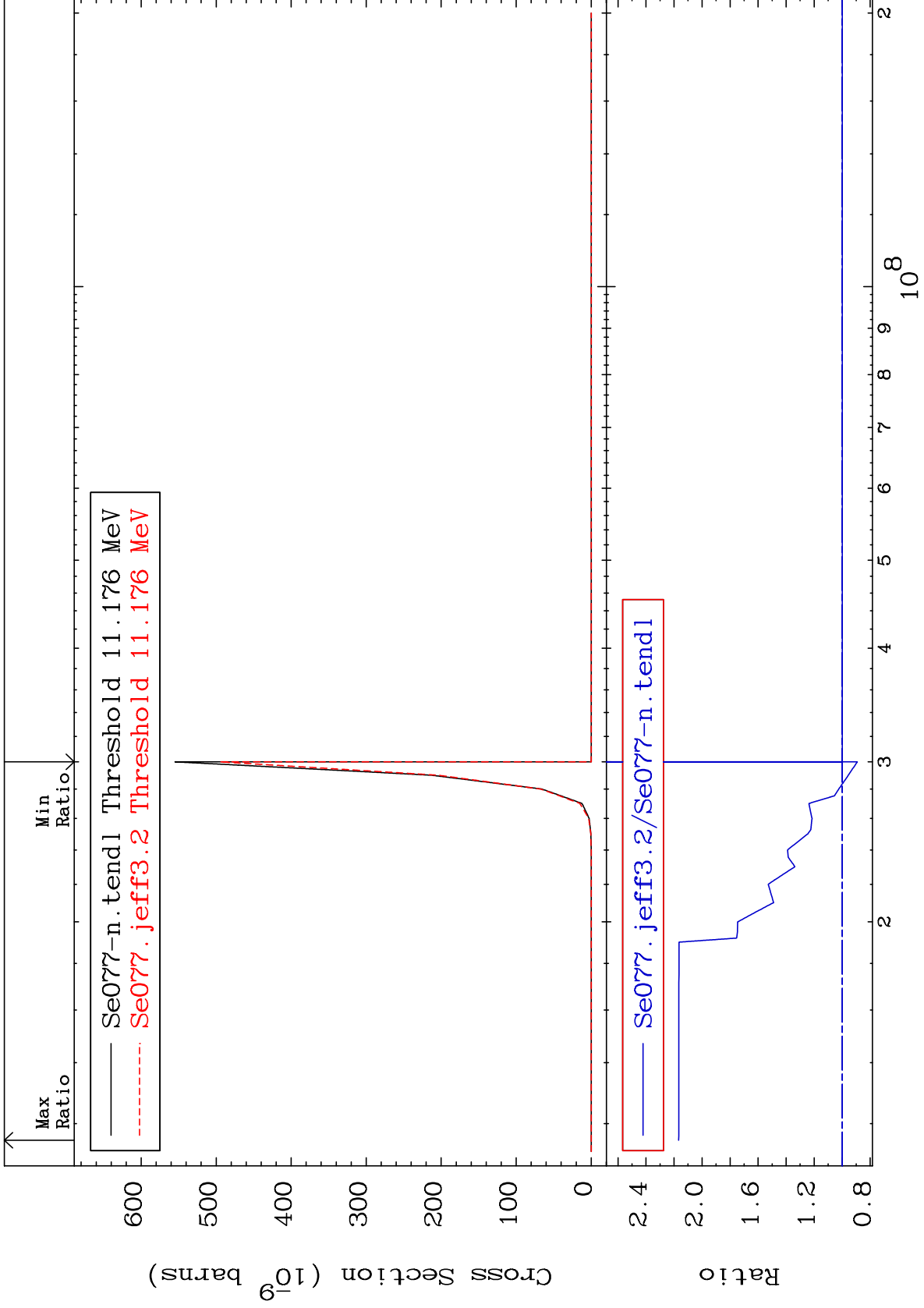
MAT 3434

(n, n') α : 32-Ge-73m2

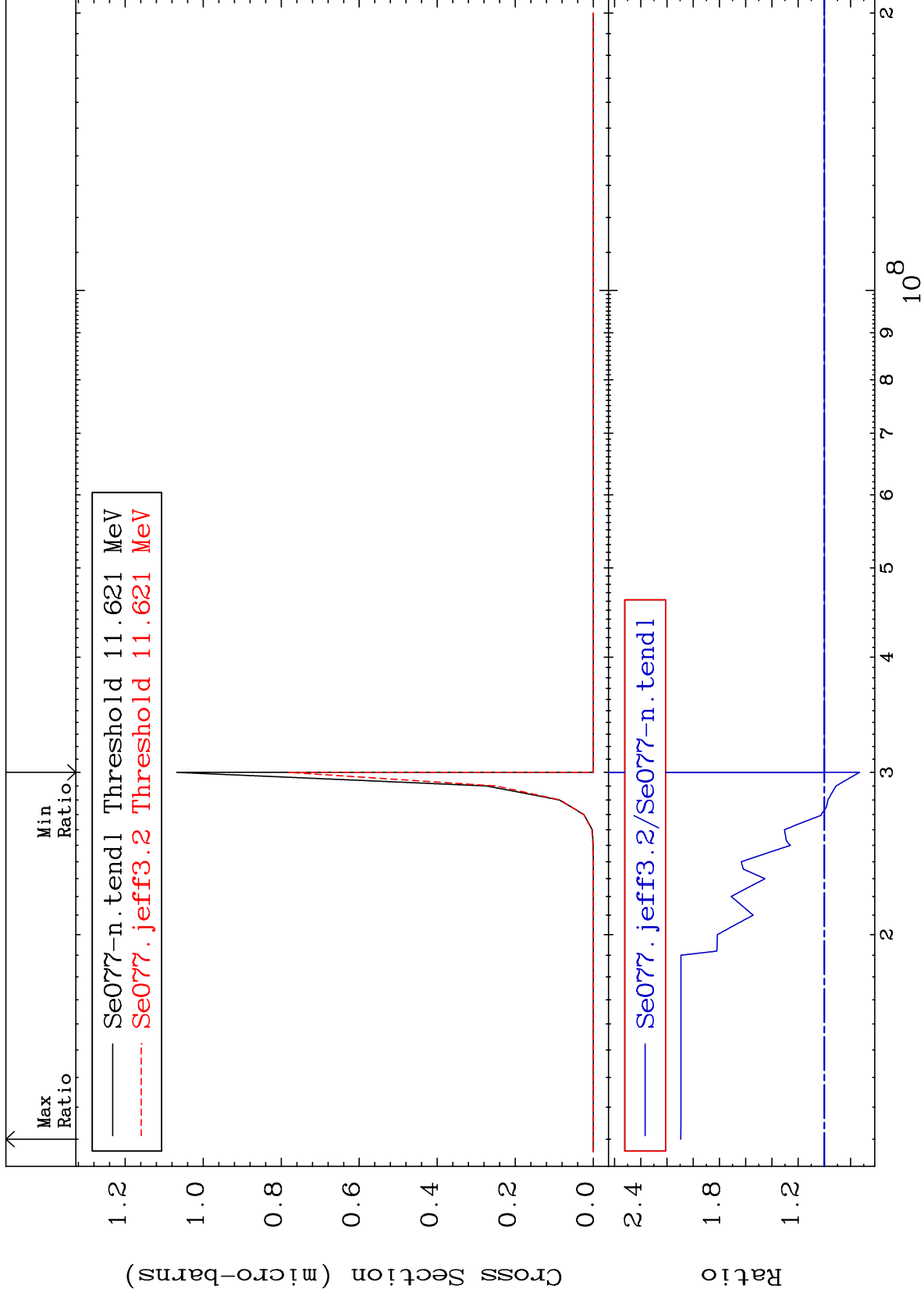
34-Se-77

Radionuclide Production Cross Section -21.97 To 86.29 %

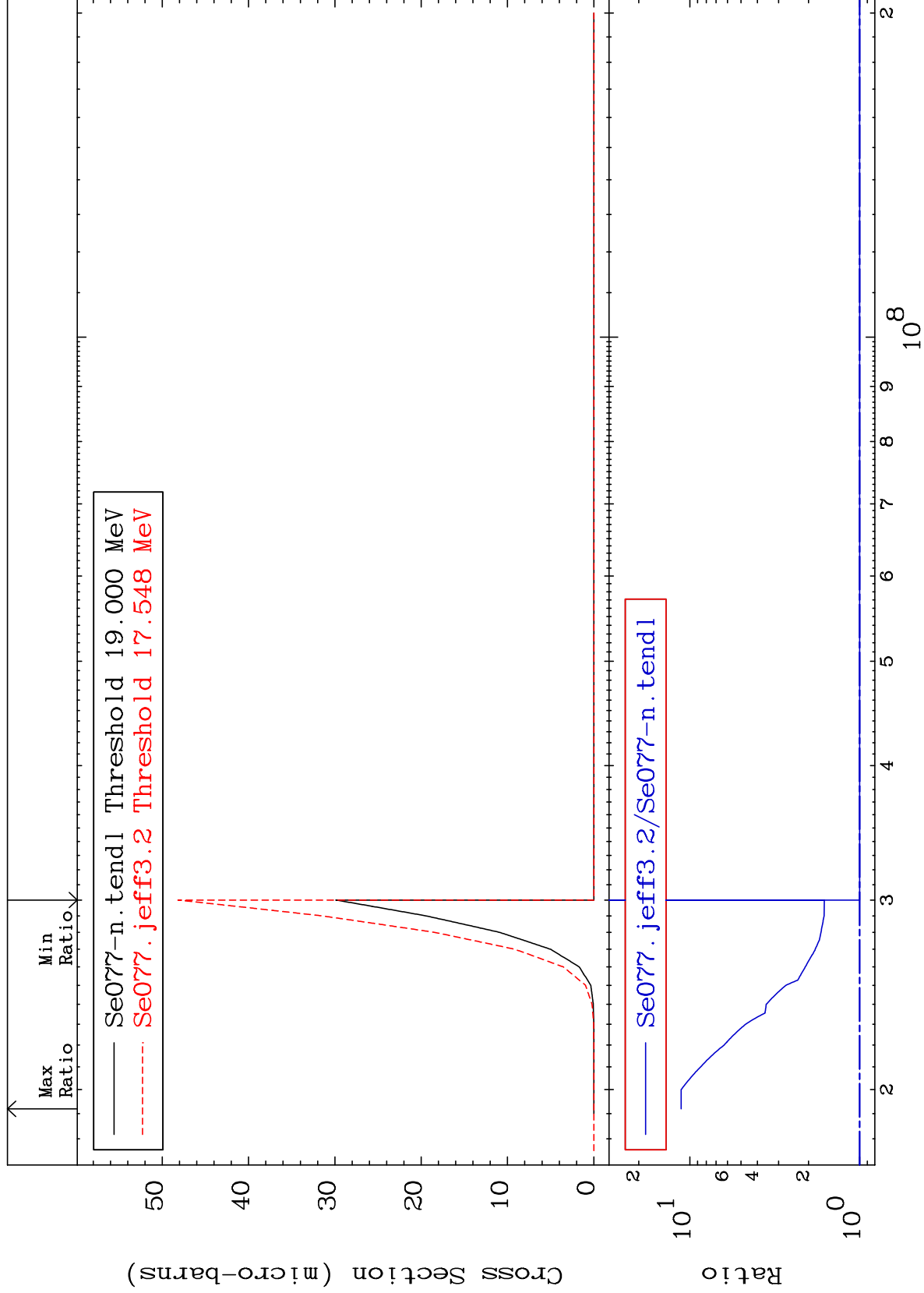




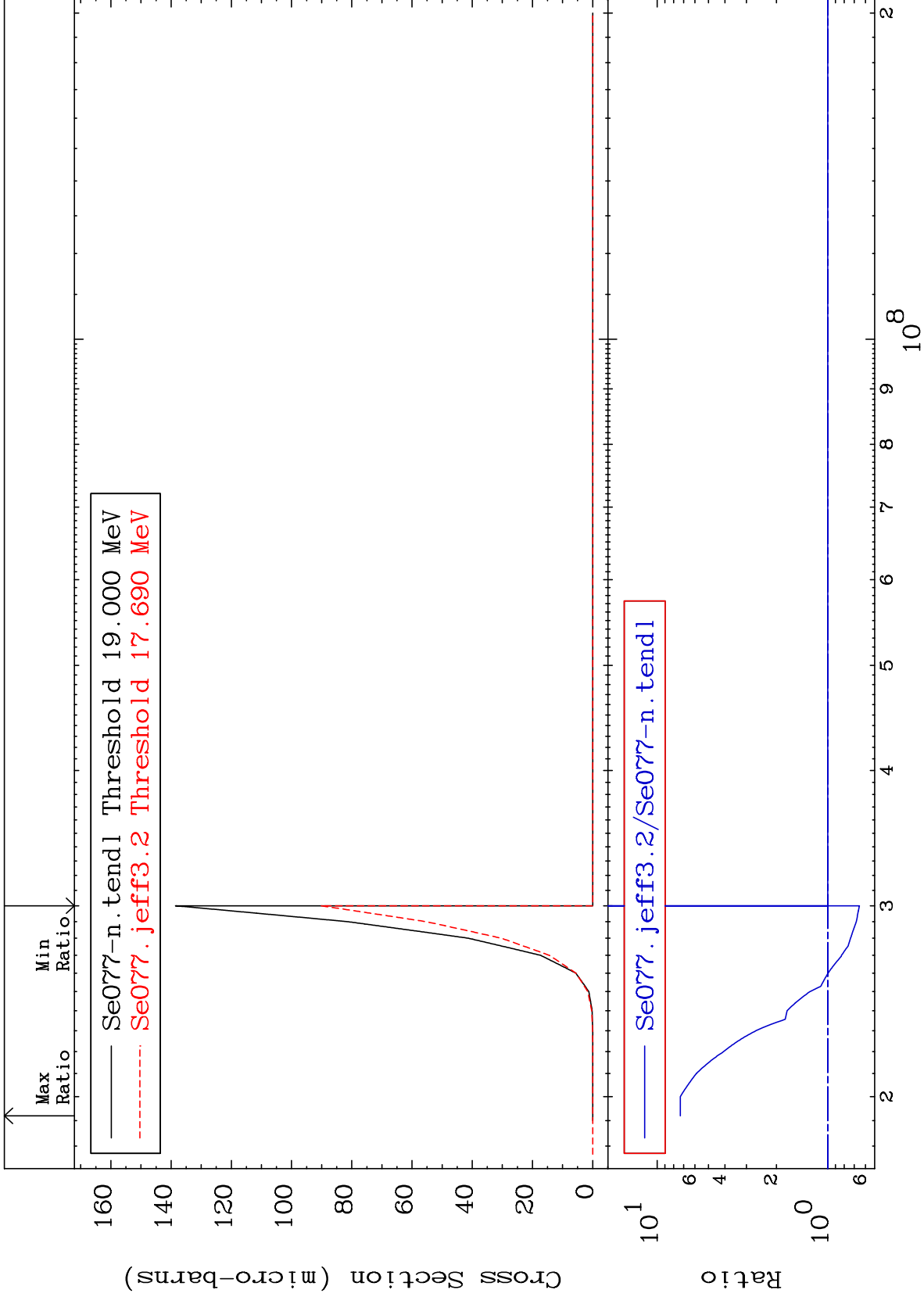
Radionuclide Production Cross Section -26.88 To 109.5 %



Radionuclide Production Cross Section 0.000 To 1024. %



Radionuclide Production Cross Section -34.83 To 630.9 %

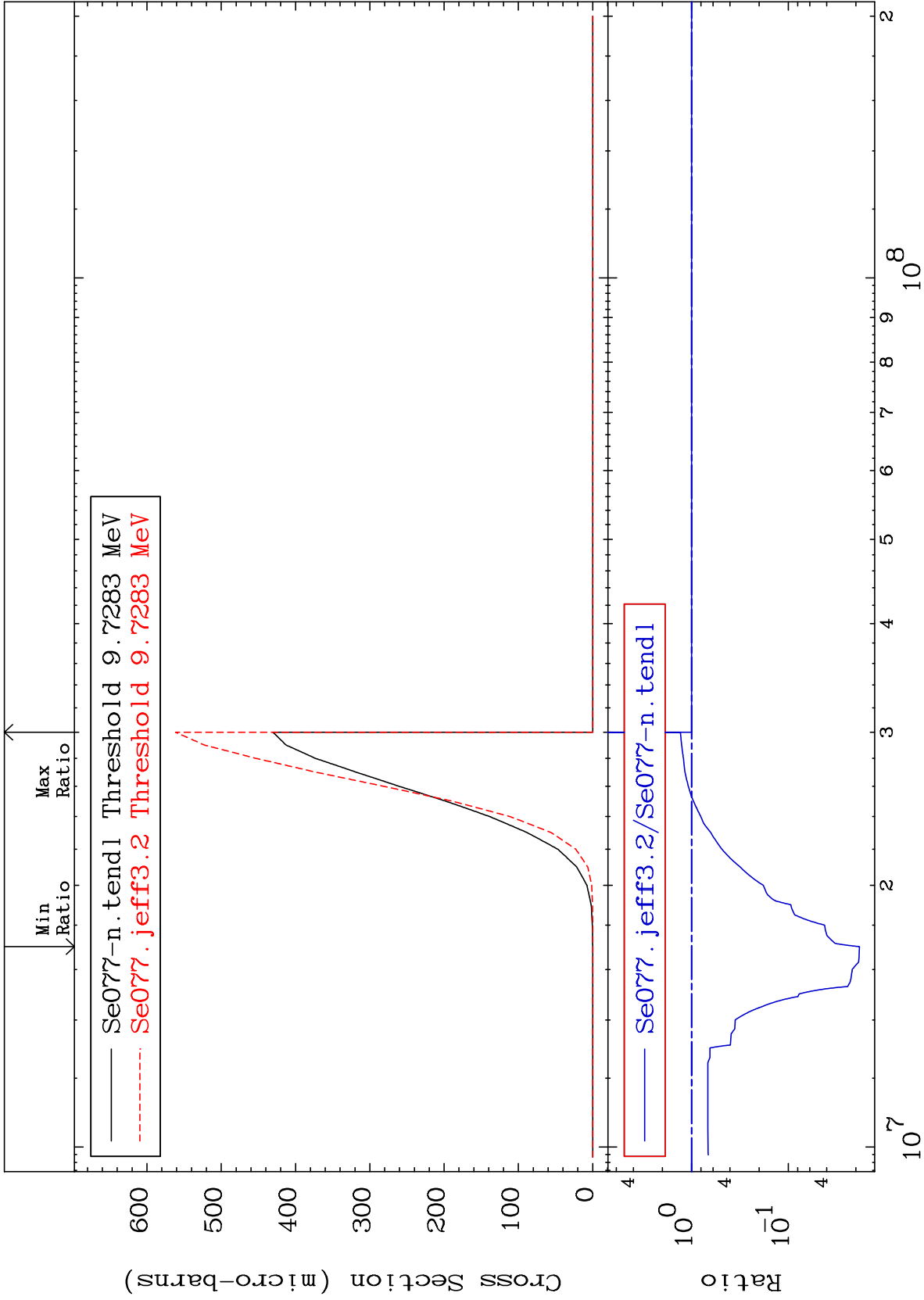


MAT 3434

³⁴Se-77

(n, He-3) : ³²Ge-75g

Radionuclide Production Cross Section -98.16 To 30.48 %

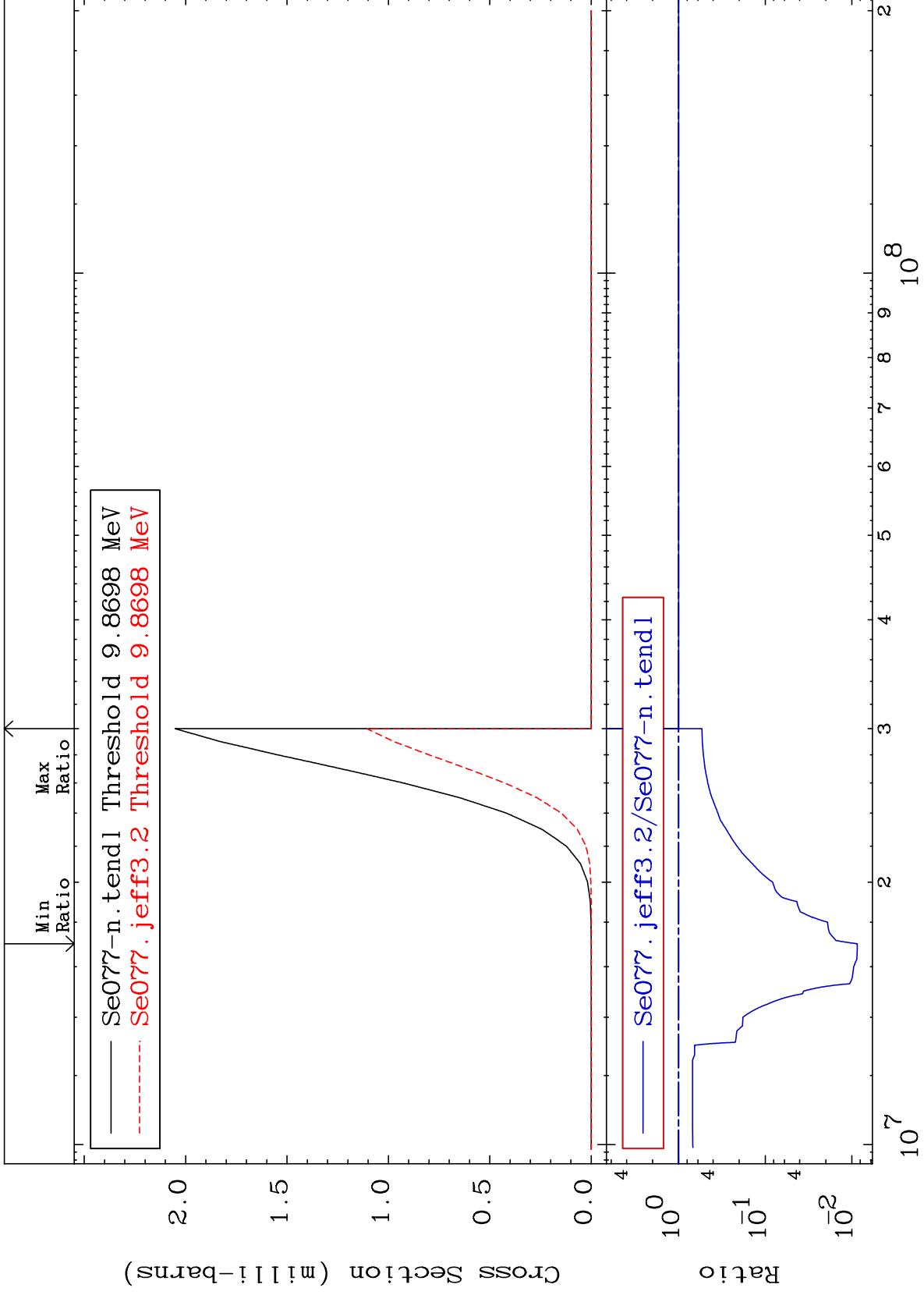


88

Incident Energy (eV)

³⁴Se-77

Radionuclide Production Cross Section -99.13 To 0.000 %

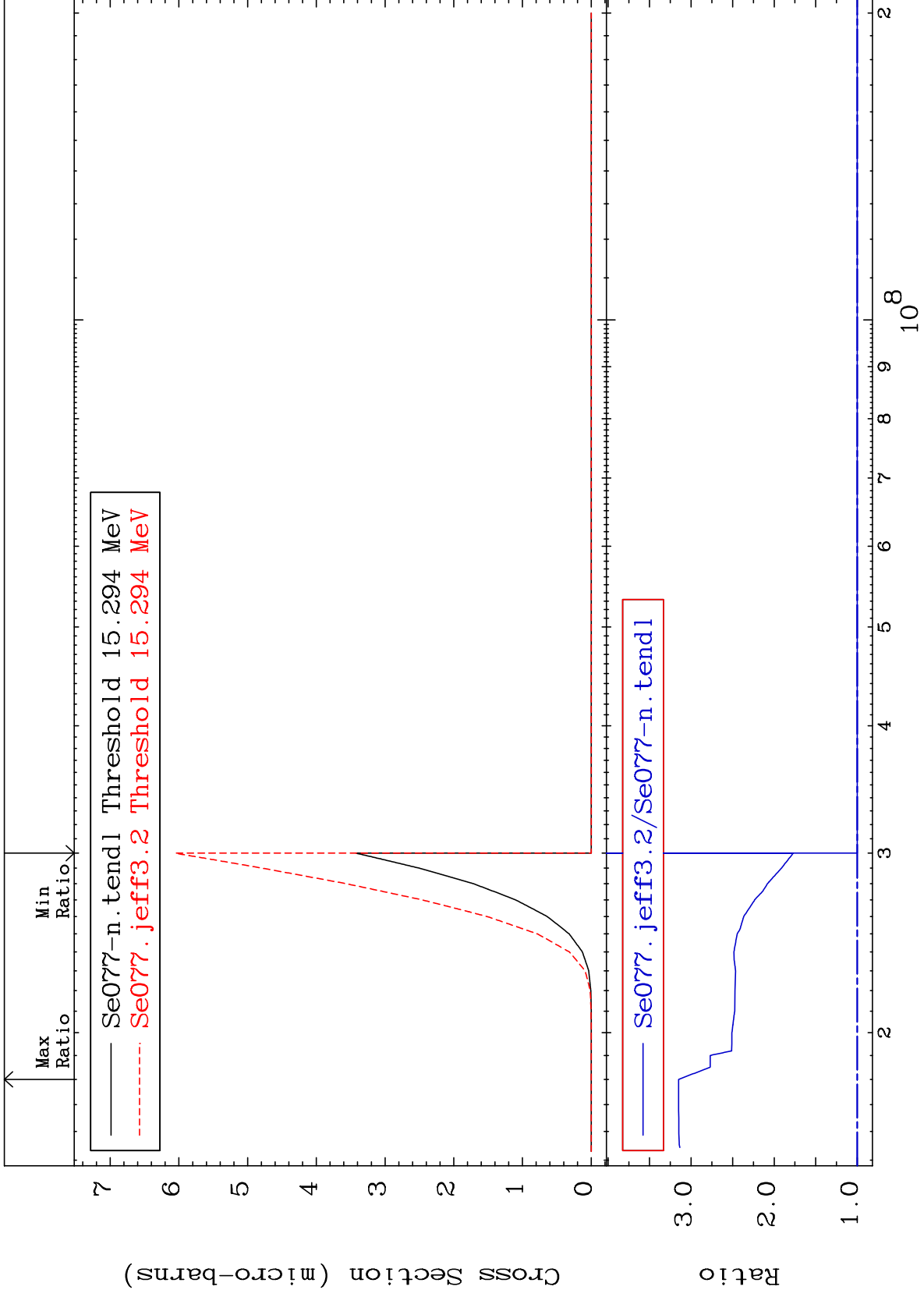


MAT 3434

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

34-^{Se}-77

Radionuclide Production Cross Section 0.000 To 215.0 %



MAT 3434

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

34-Se-77

Radionuclide Production Cross Section -33.16 To 136.1 %

