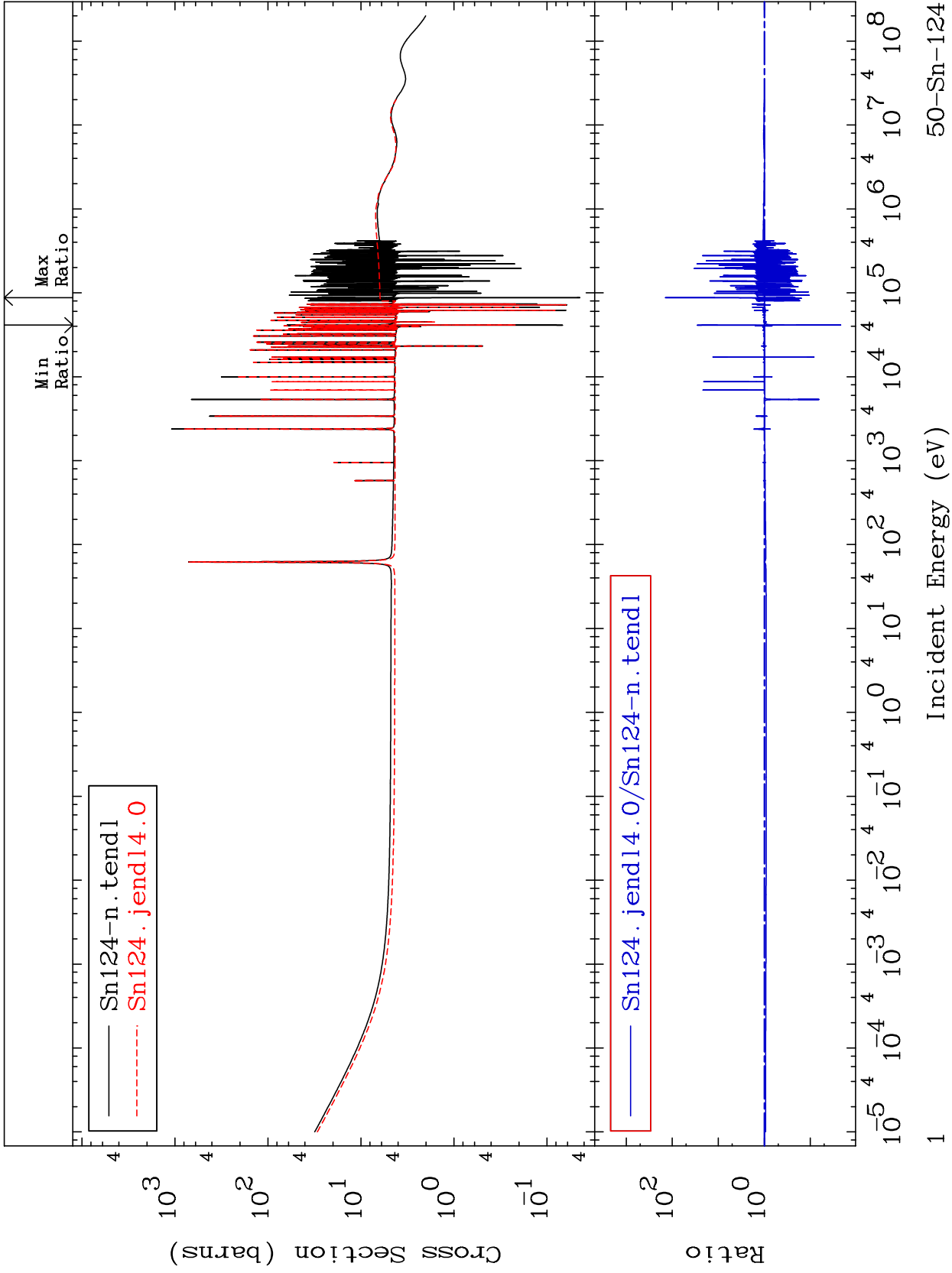


MAT 5061

Total
Cross Section

50-Sn-124
-97.81 To 9999. %



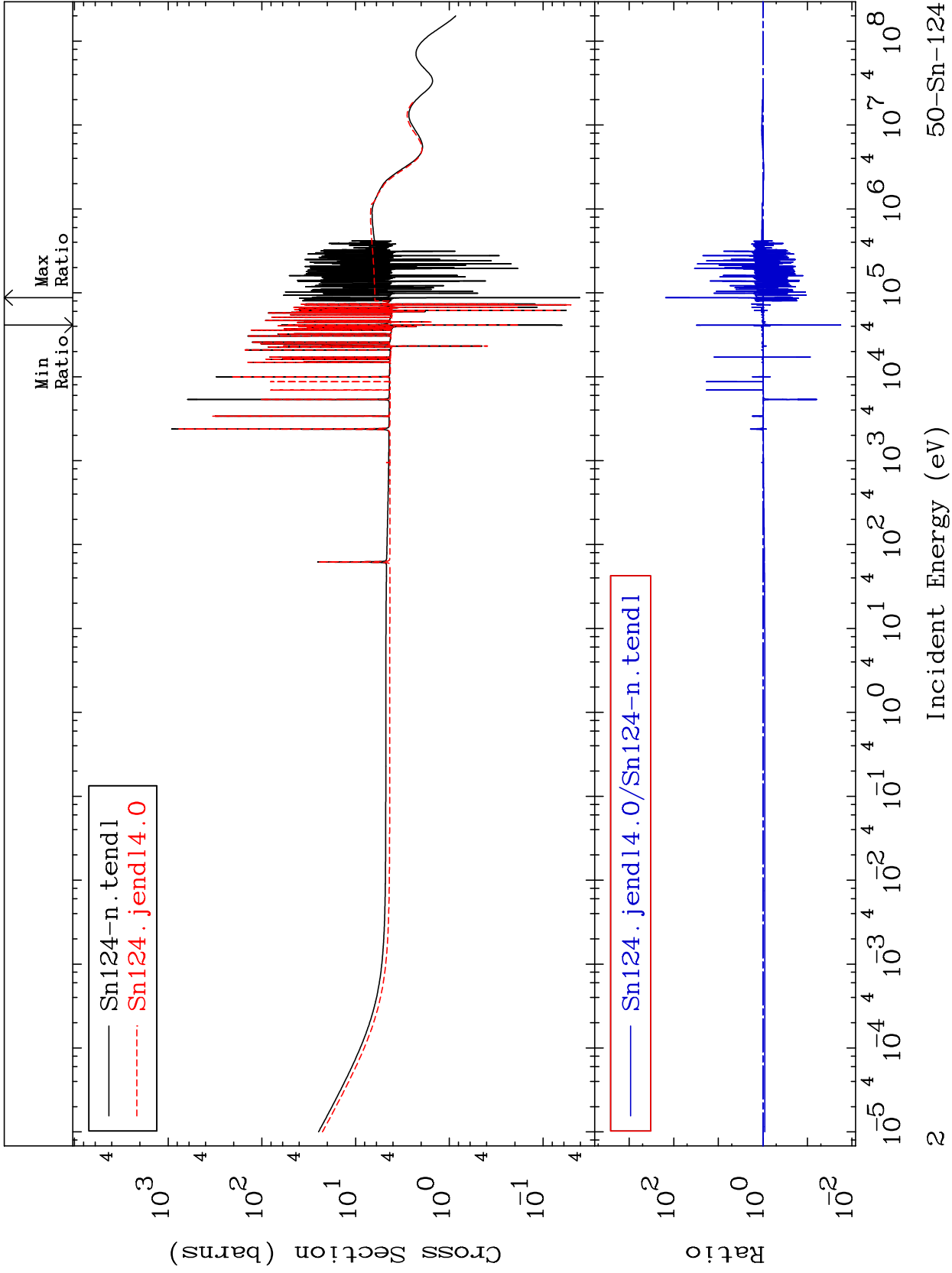
50-Sn-124

Incident Energy (eV)

MAT 5061

Elastic
Cross Section

50-Sn-124
-98.21 To 9999. %



50-Sn-124

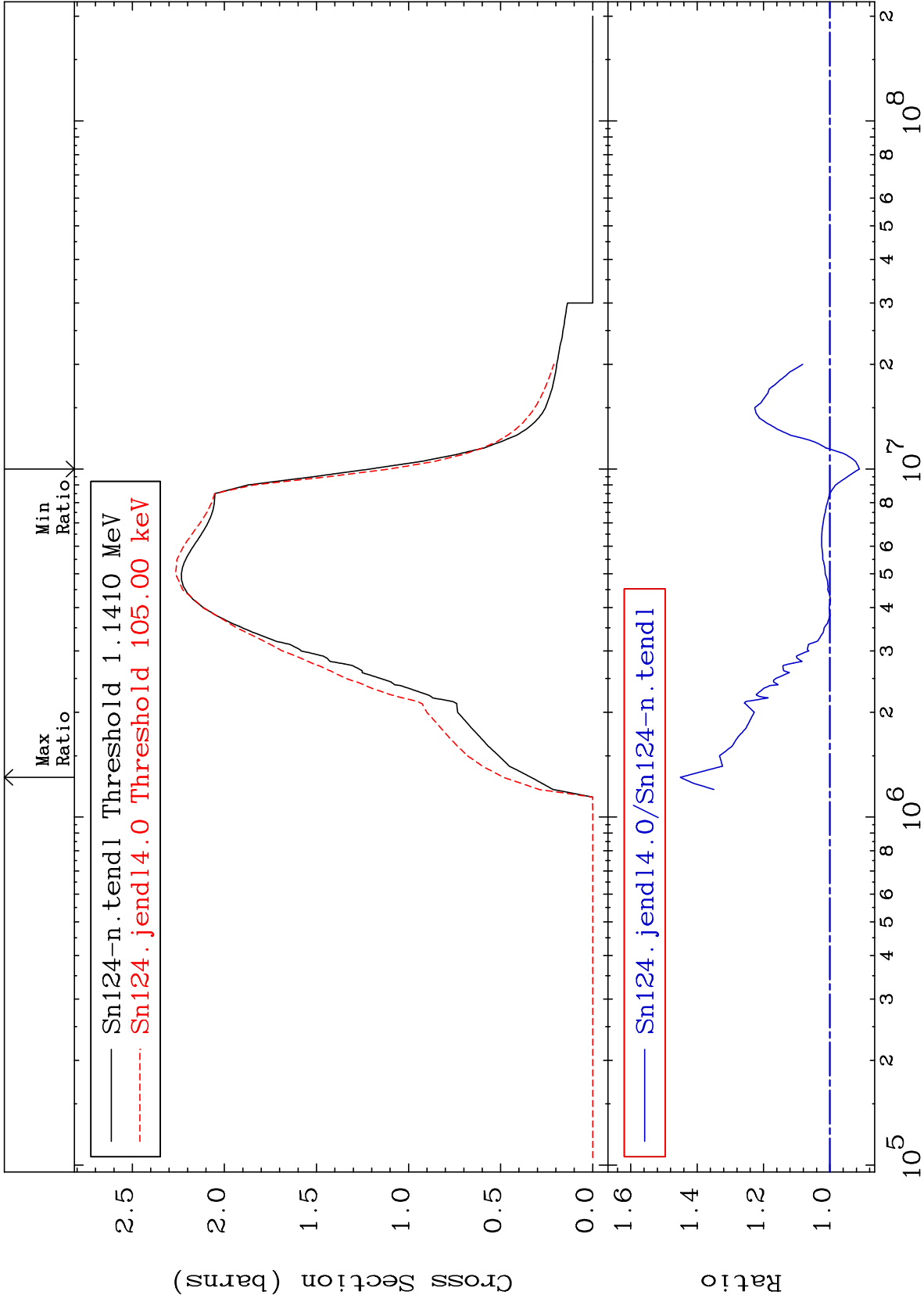
Incident Energy (eV)

2

MAT 5061

Inelastic
Cross Section

50-Sn-124
-8.910 To 45.05 %



50-Sn-124

Incident Energy (eV)

3

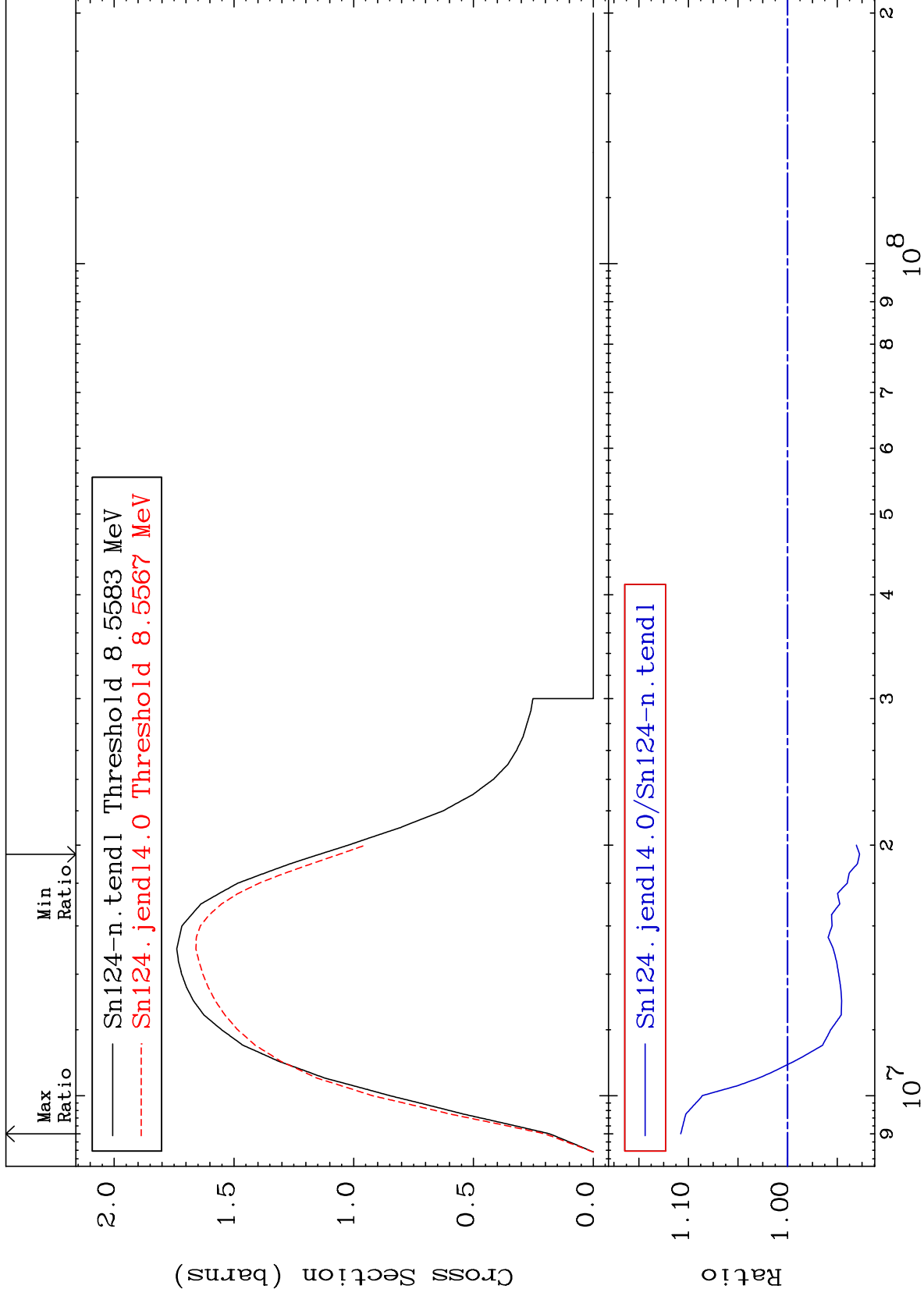
MAT 5061

(n,2n)

50-Sn-124

Cross Section

-7.252 To 10.77 %



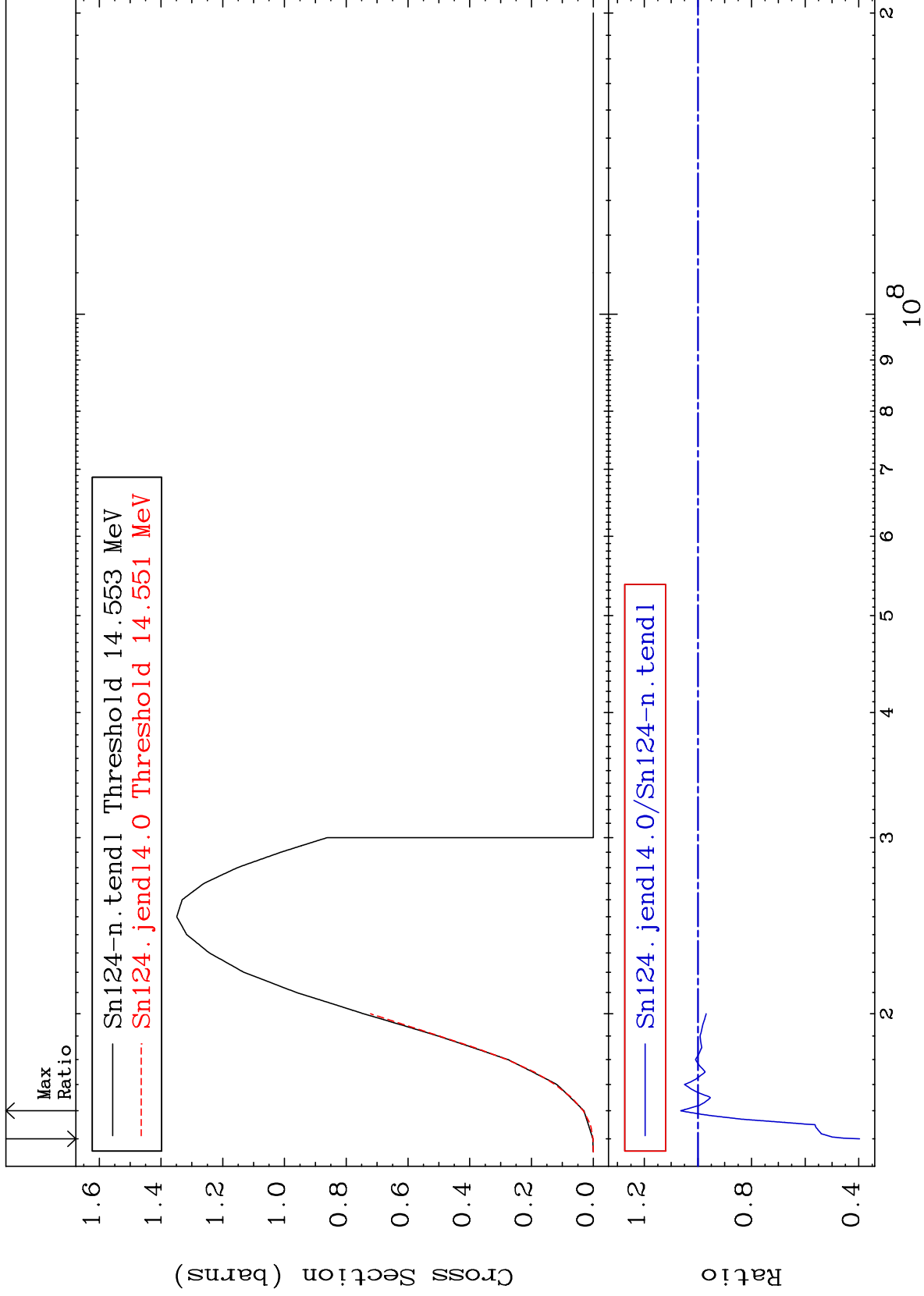
Incident Energy (eV)

50-Sn-124

MAT 5061

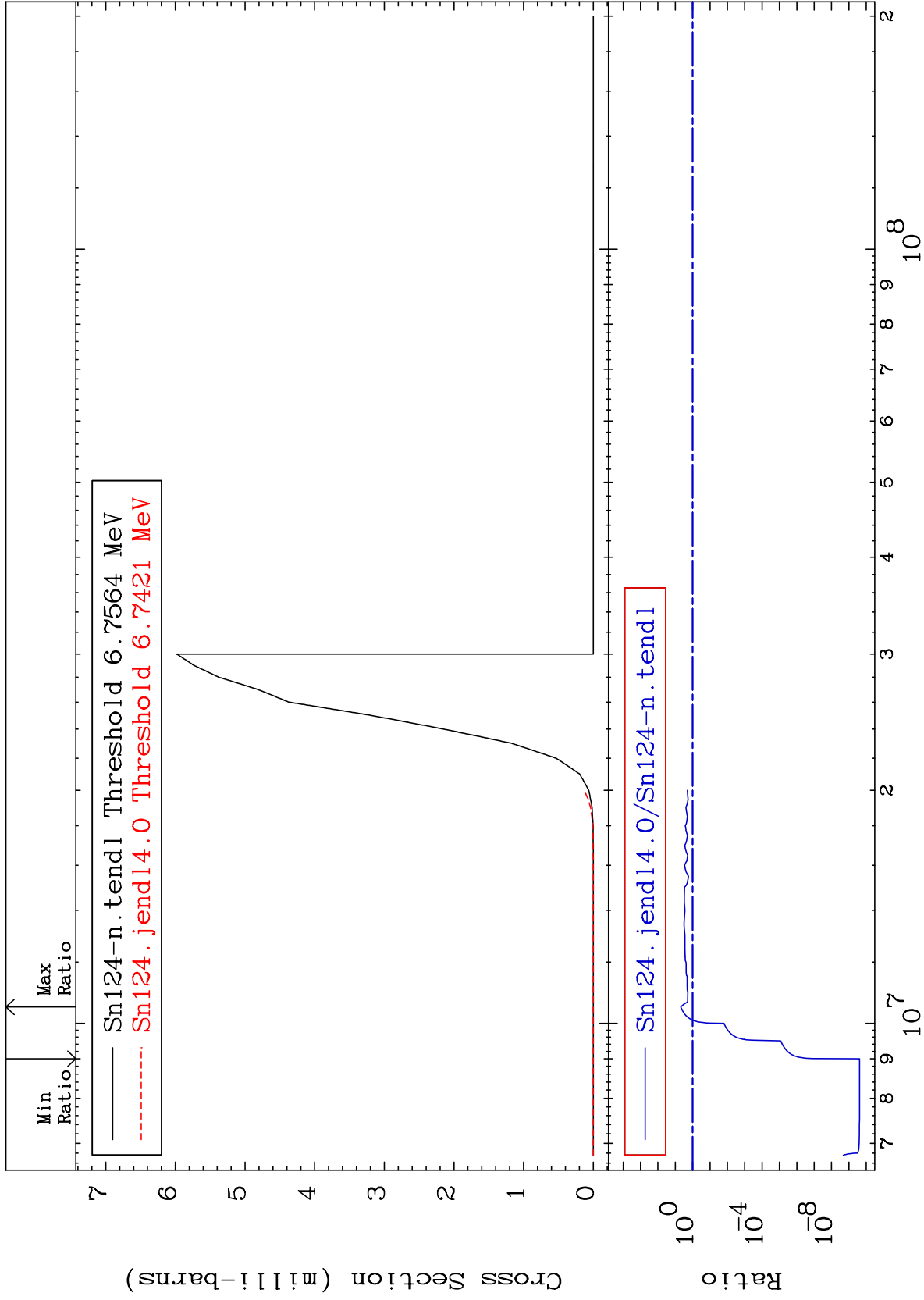
(n,3n)
Cross Section

50-Sn-124
-60.29 To 6.406 %



MAT 5061

(n, n') α
Cross Section
50-Sn-124
-100.0 To 382.8 %



6

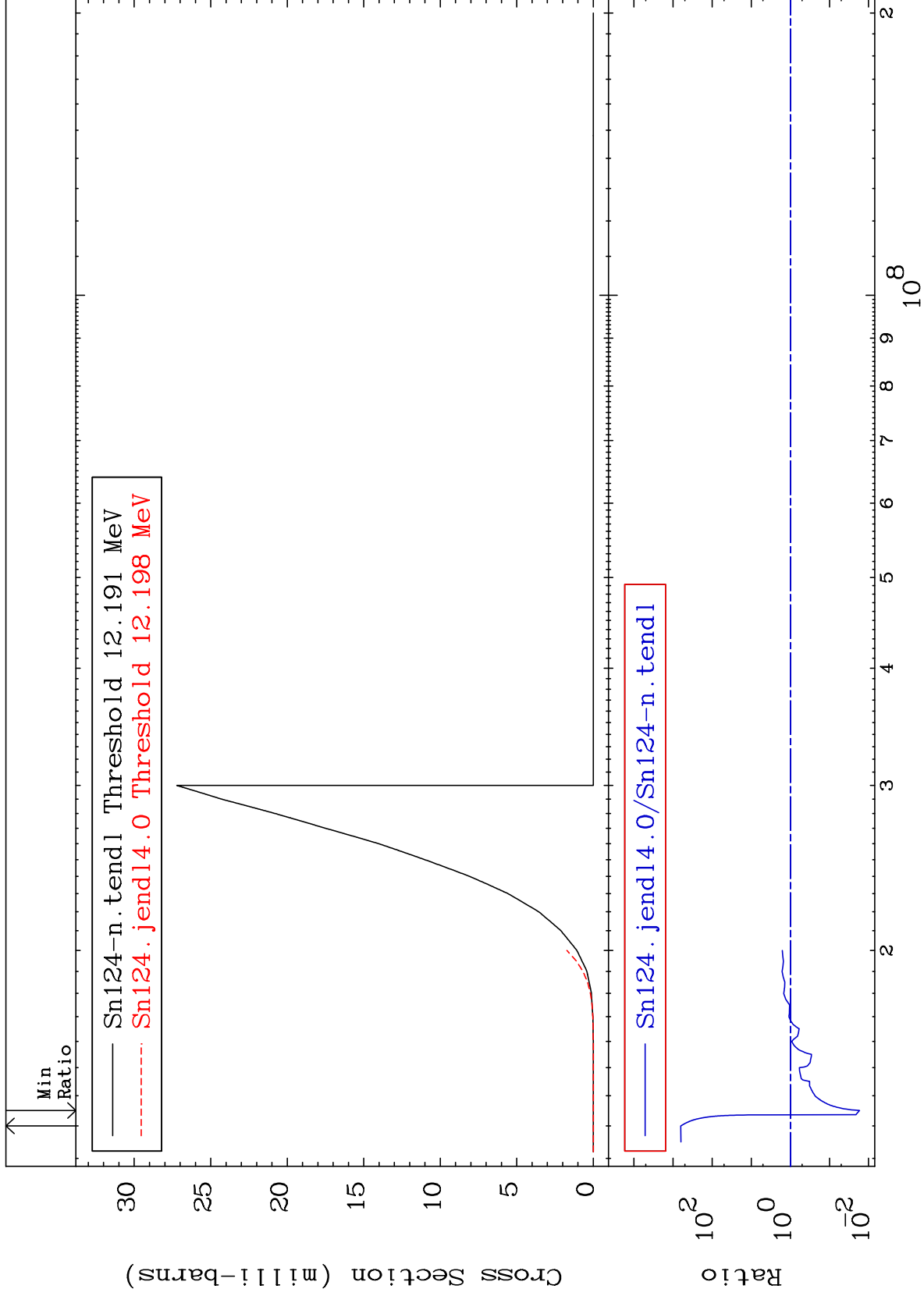
Incident Energy (eV)

50-Sn-124

MAT 5061

(n,n') p
Cross Section

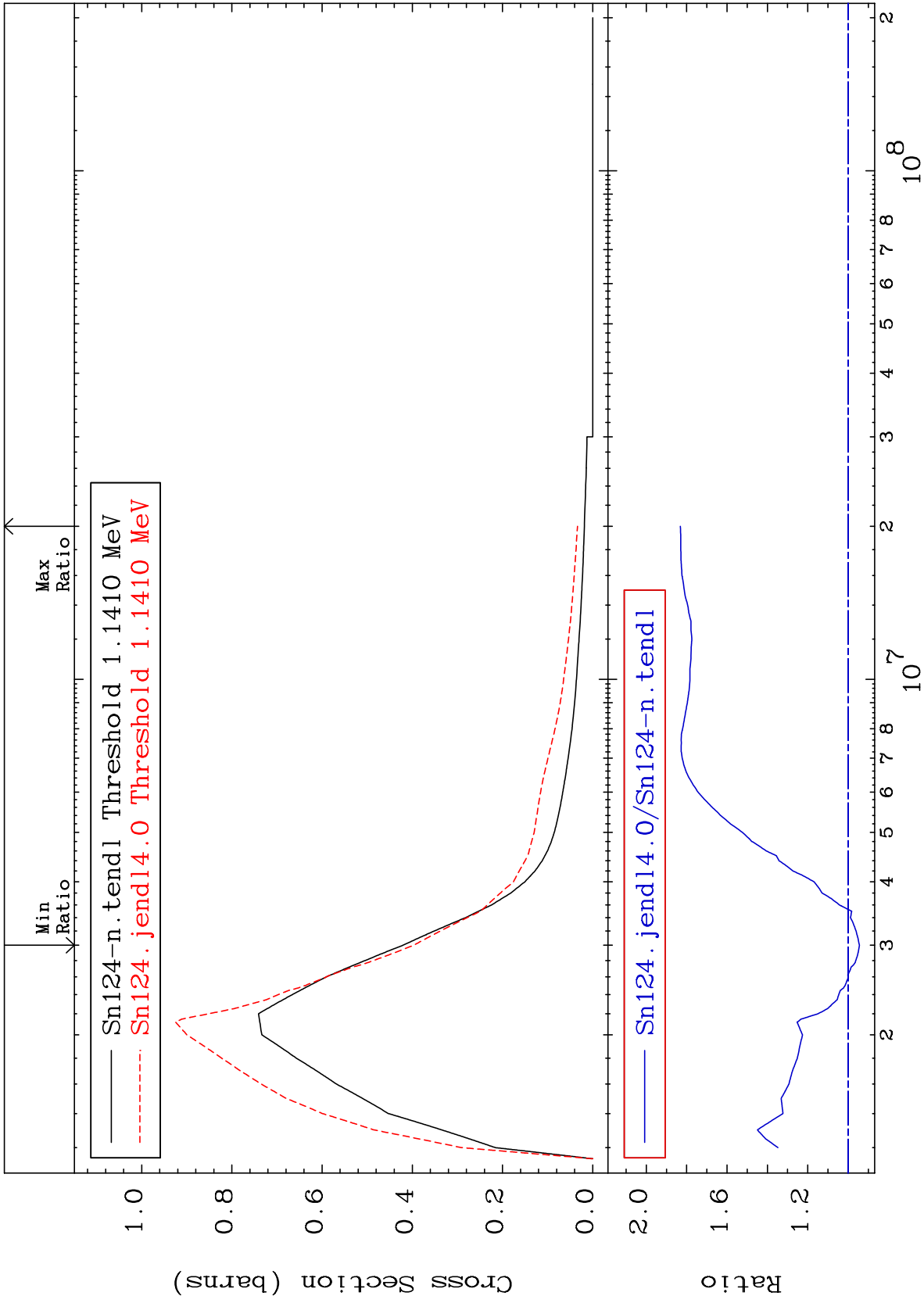
50-Sn-124
-98.30 To 9999. %



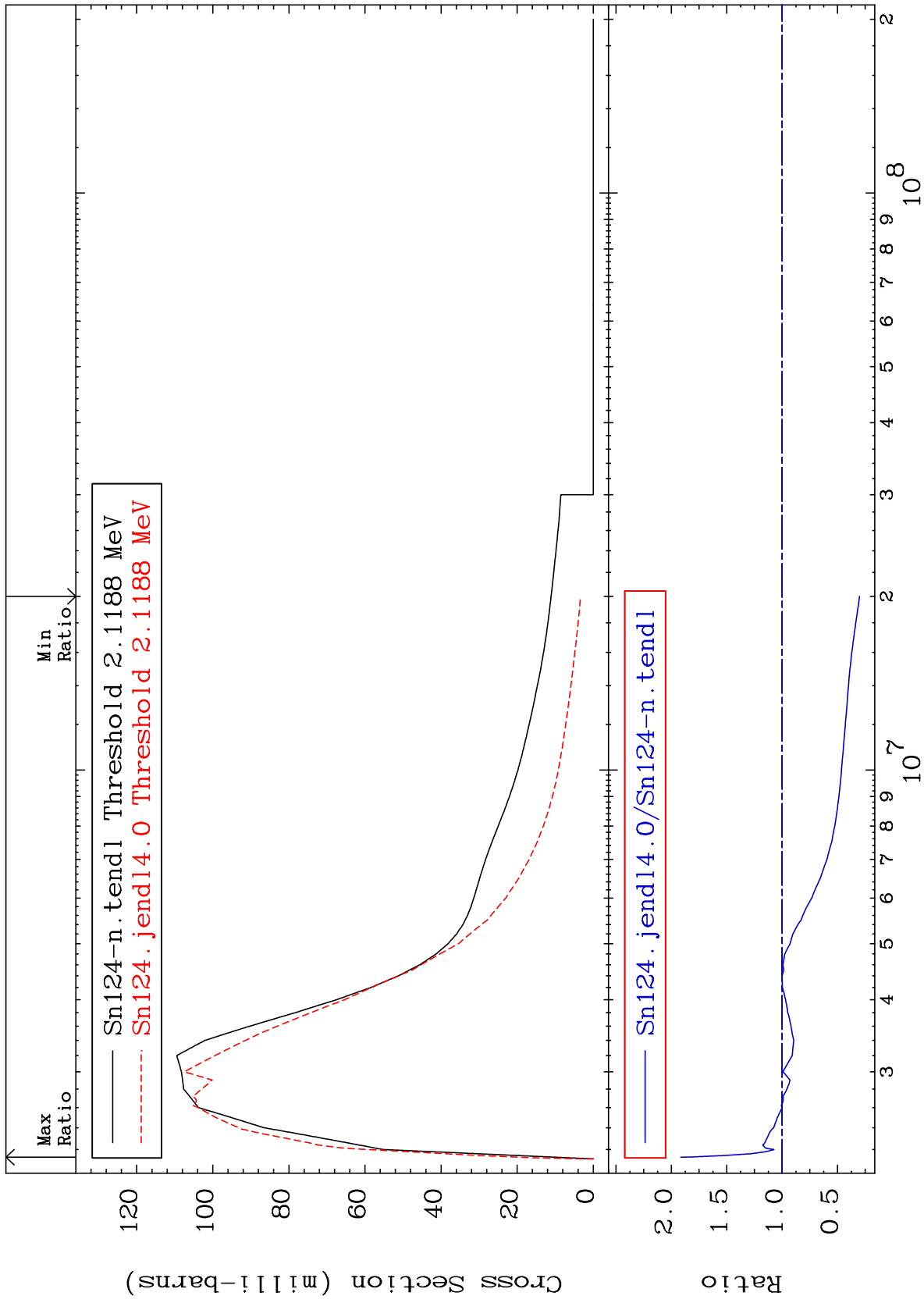
MAT 5061

1.132 MeV (n,n') Level
Cross Section

50-Sn-124
-5.593 To 83.11 %



MAT 5061 2.102 MeV (n,n') Level 50-Sn-124
 Cross Section -69.90 To 91.54 %

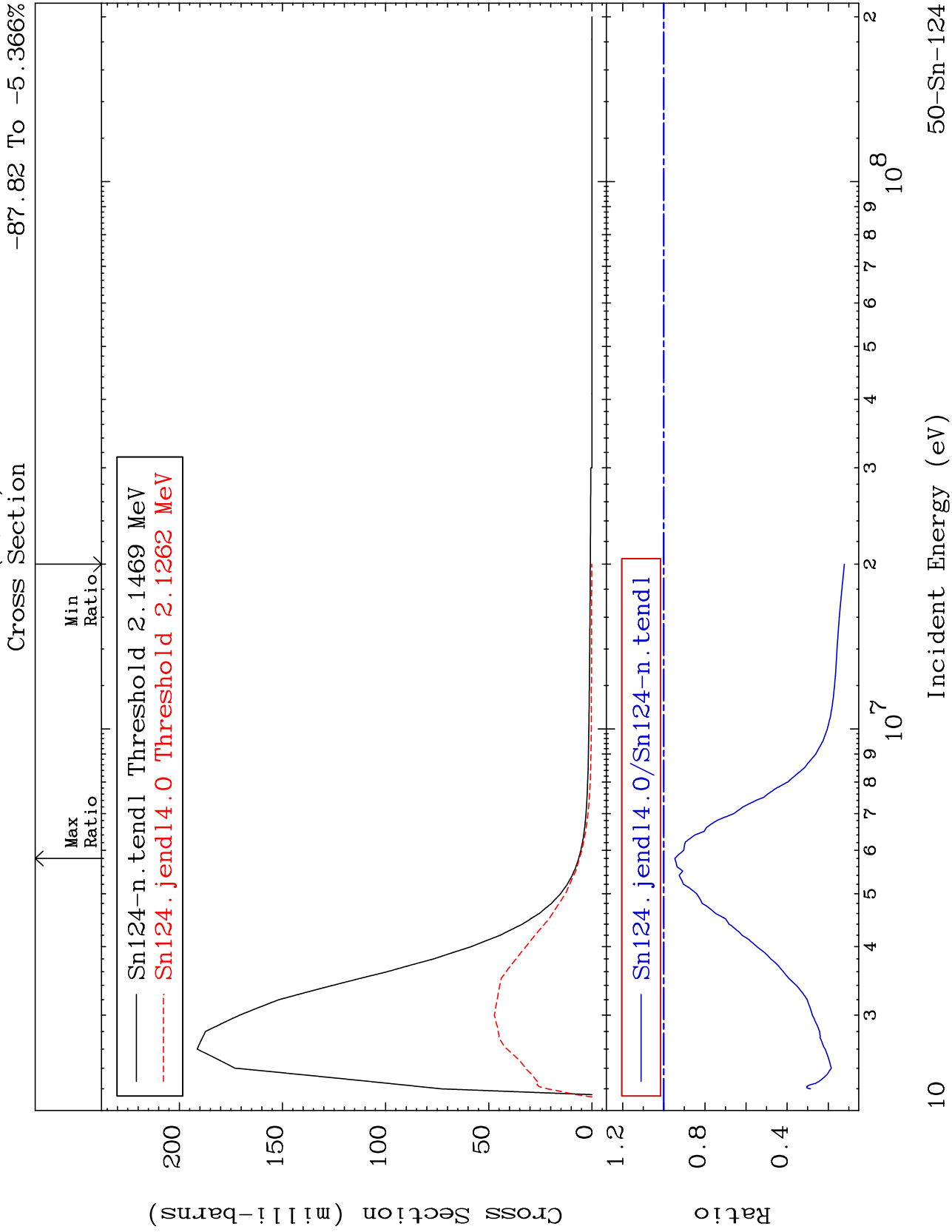


MAT 5061

2.130 MeV (n,n') Level

50-Sn-124

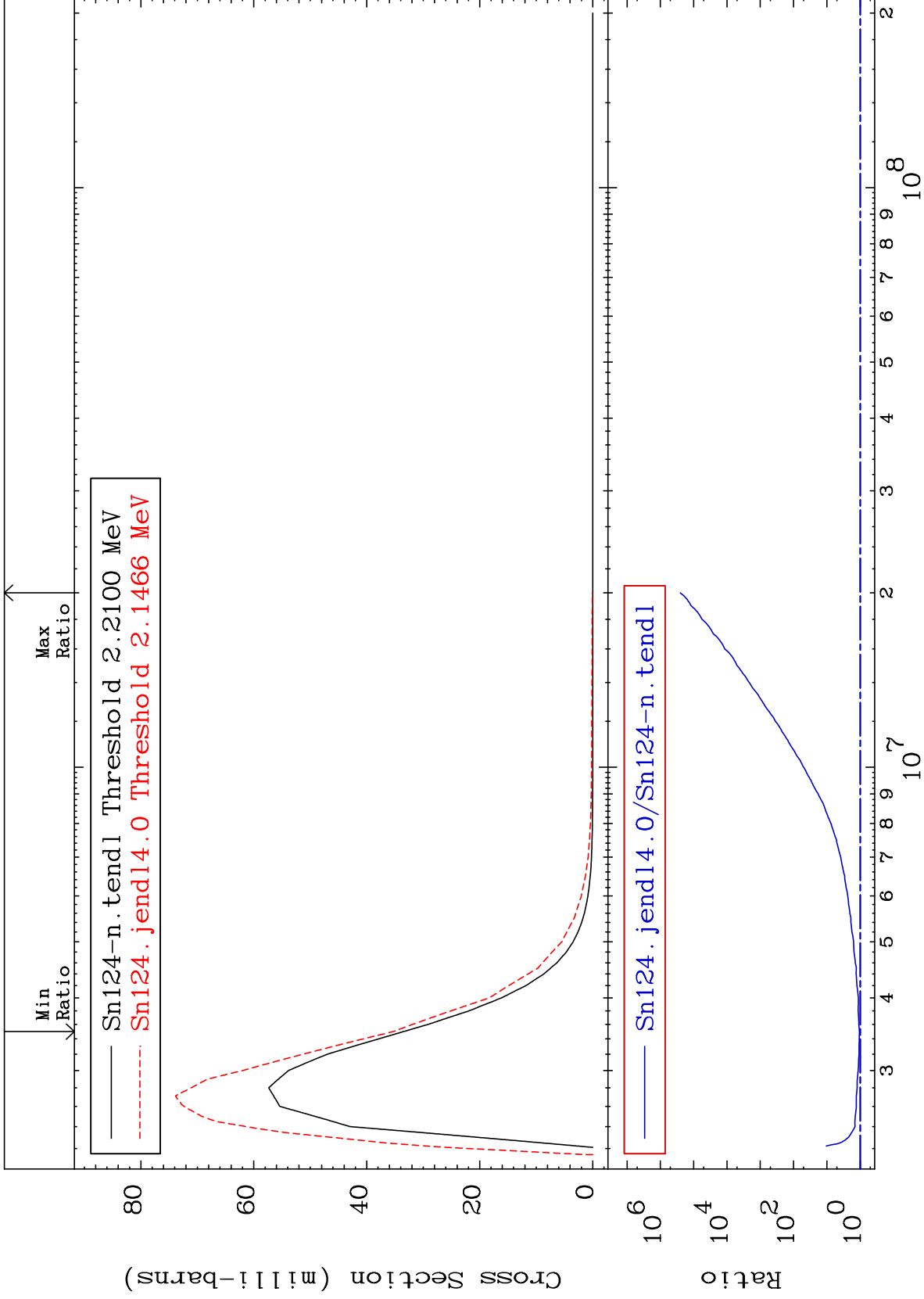
-87.82 To -5.366%



MAT 5061

2.192 MeV (n,n') Level
Cross Section

50-Sn-124
5.385 To 9999. %



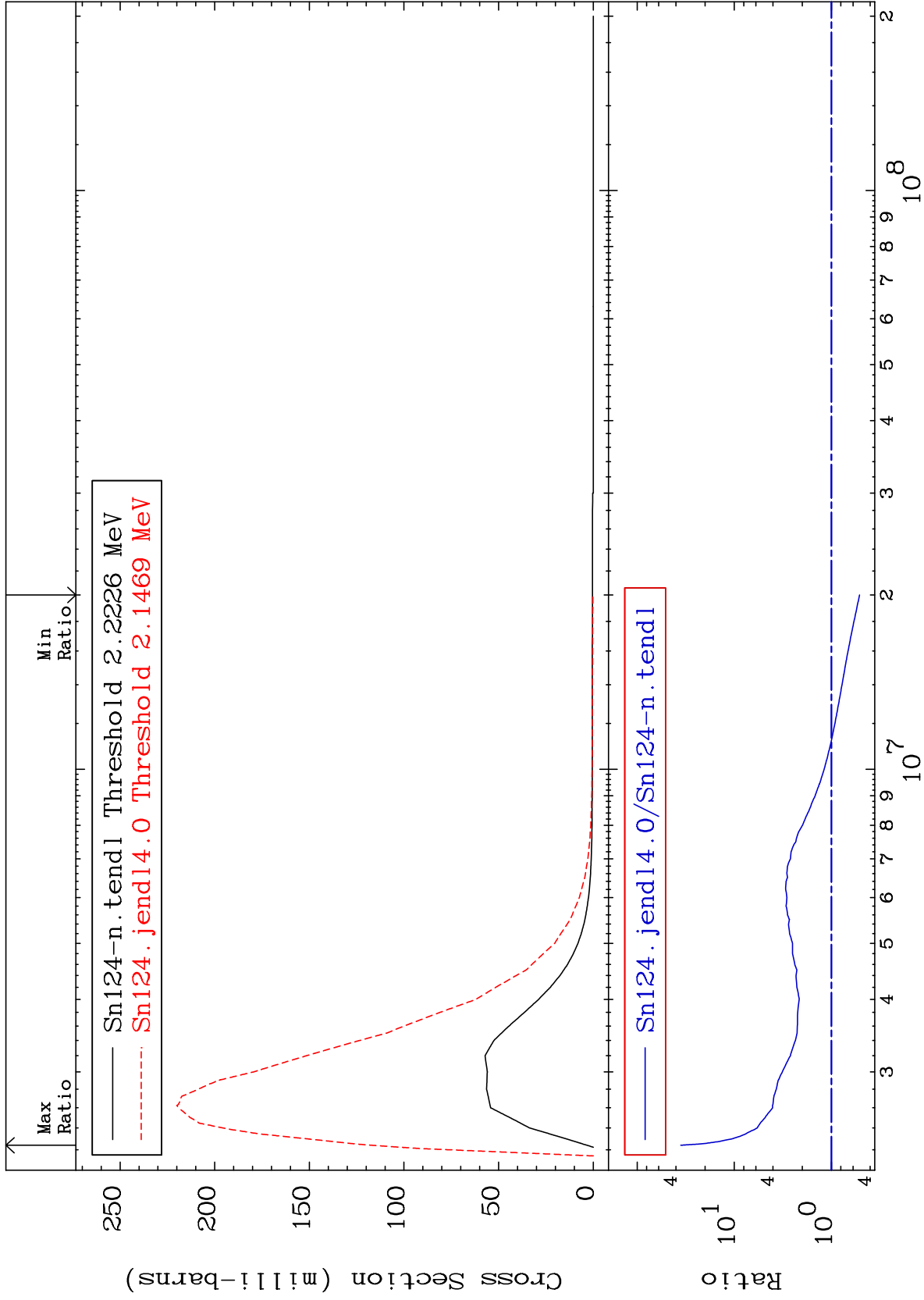
MAT 5061

2.205 MeV (n,n') Level

50-Sn-124

-48.64 To 3460. %

Cross Section

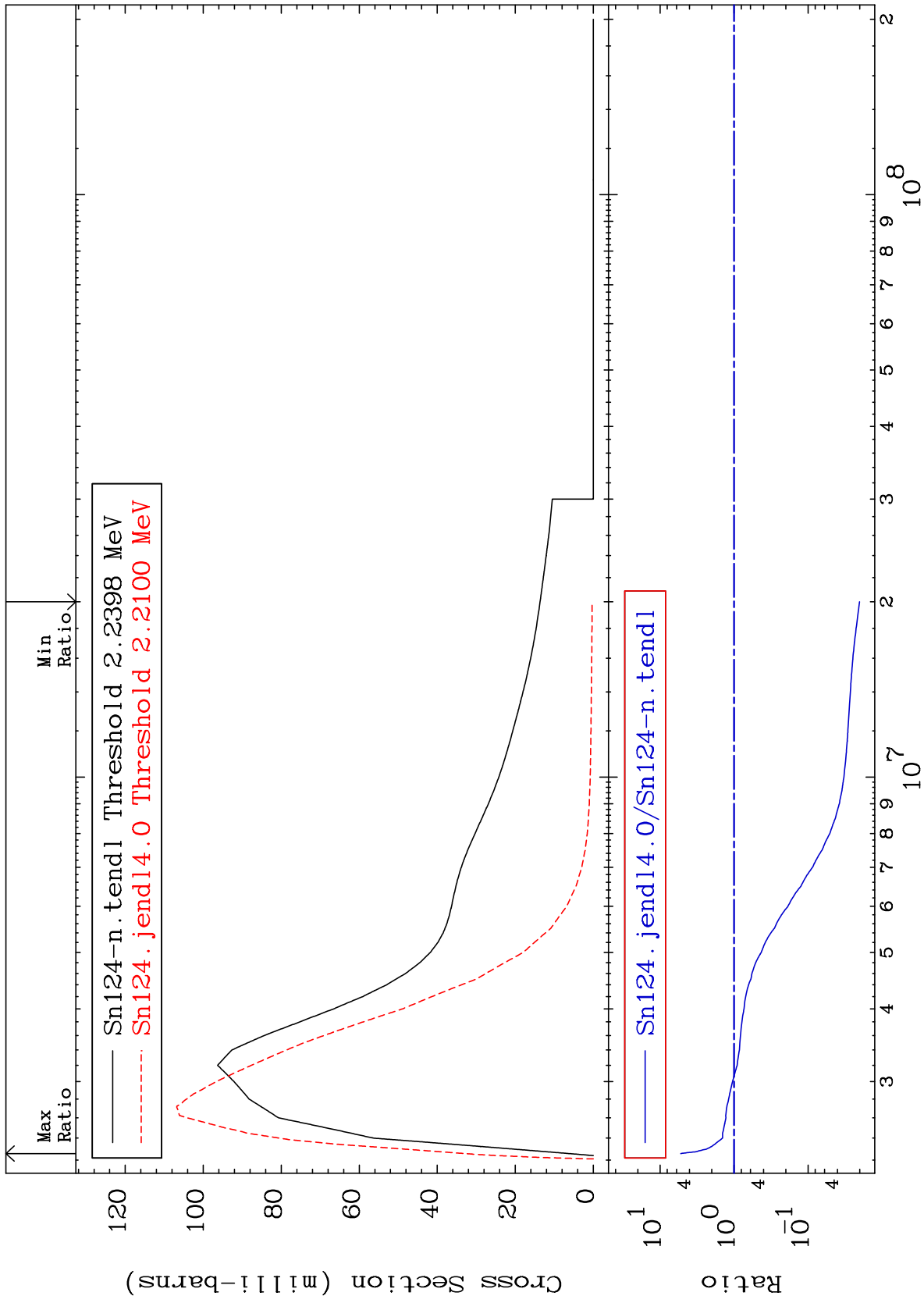


12

Incident Energy (eV)

50-Sn-124

MAT 5061 2.222 MeV (n,n') Level 50-Sn-124
 Cross Section -97.98 To 425.2 %



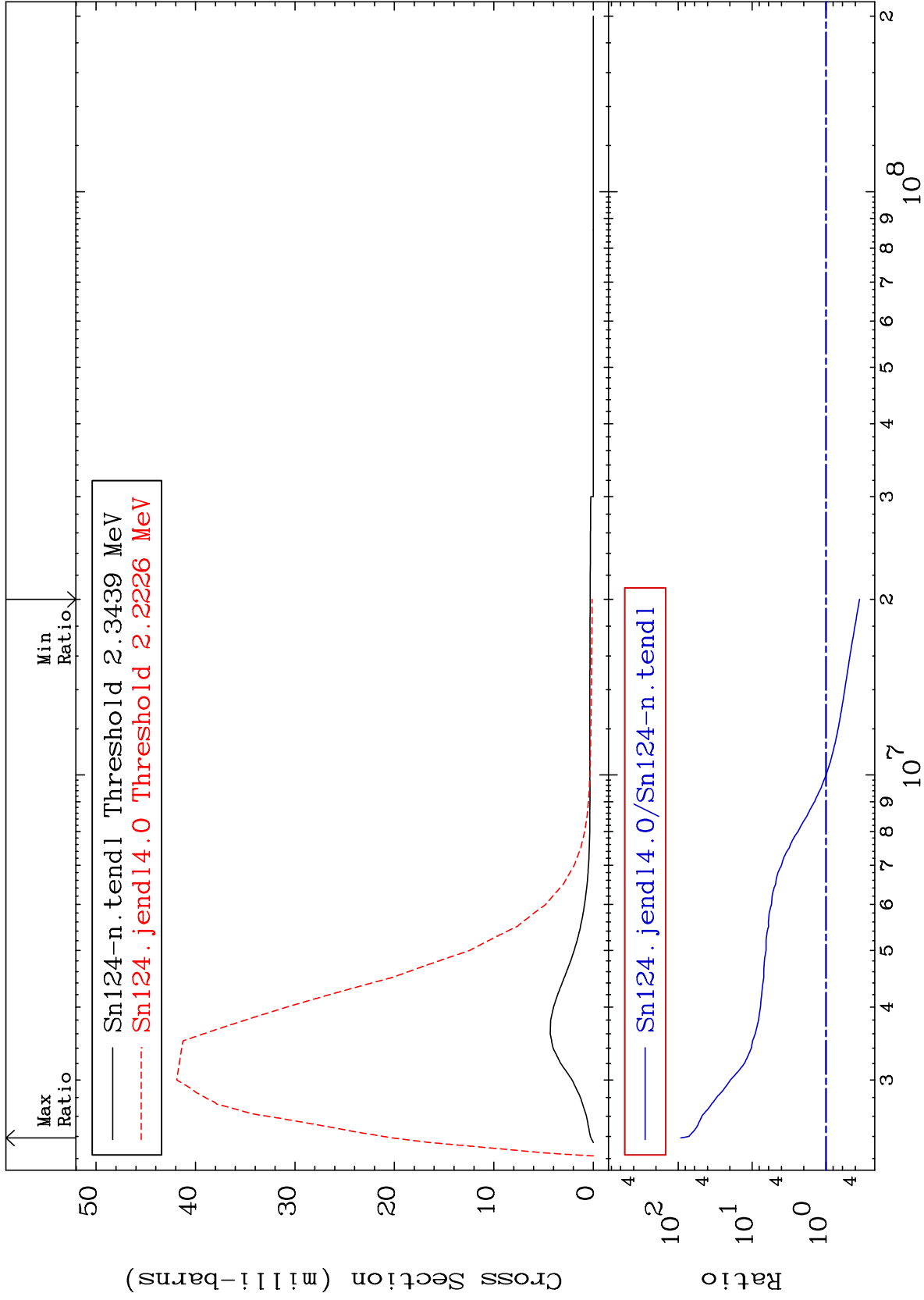
MAT 5061

2.325 MeV (n,n') Level

50-Sn-124

-64.80 To 9109. %

Cross Section



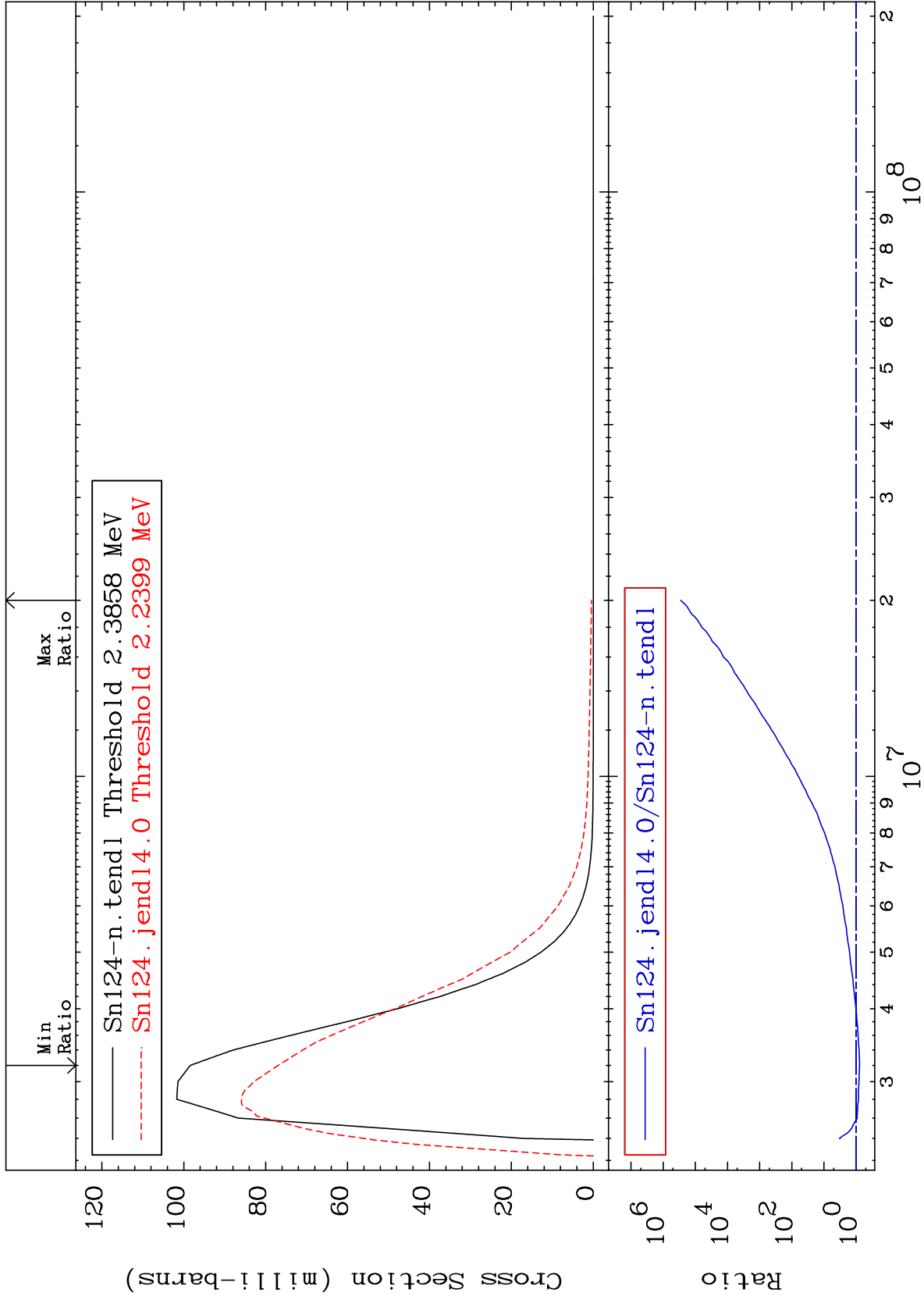
MAT 5061

2.367 MeV (n,n') Level

50-Sn-124

-21.84 To 9999. %

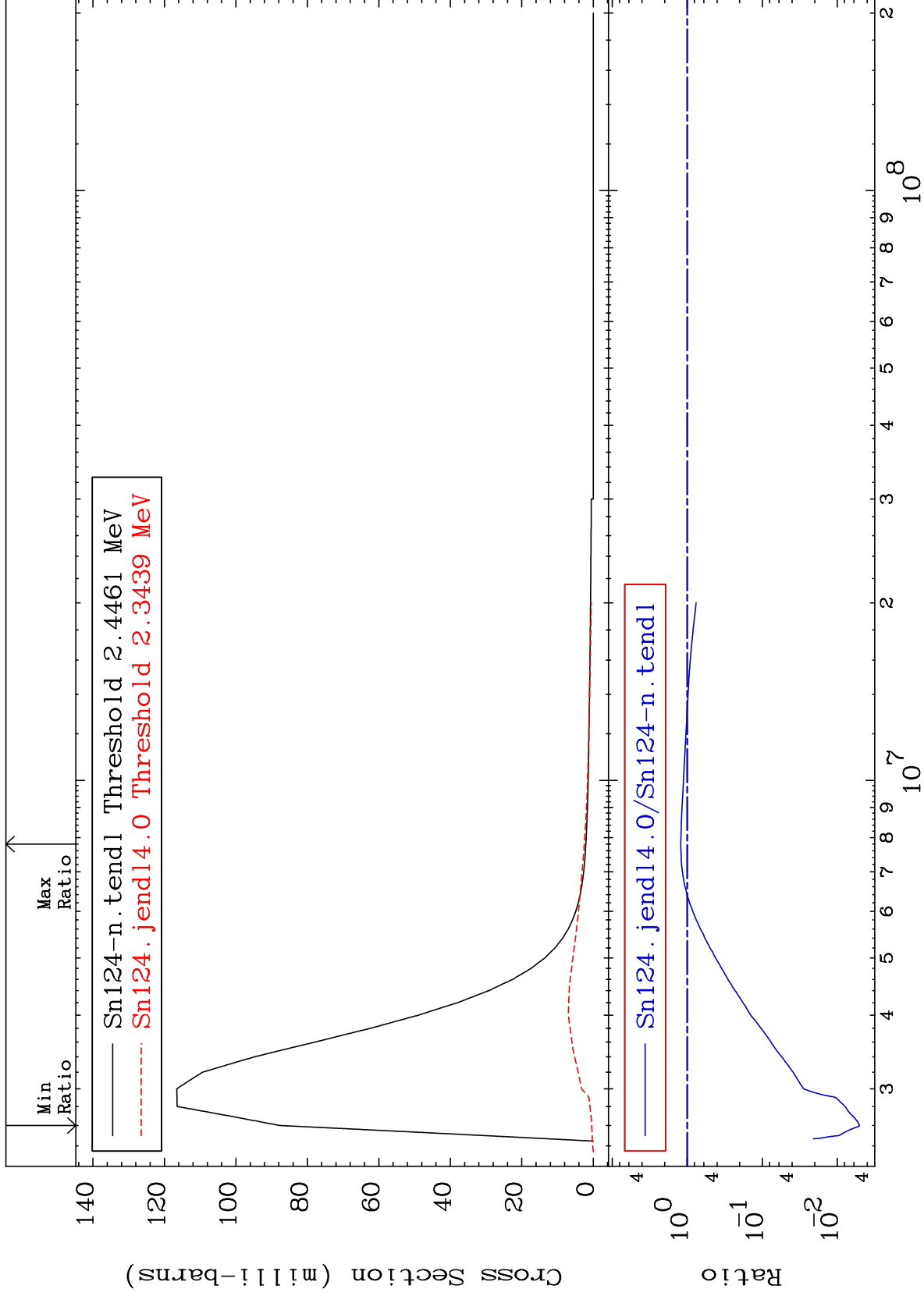
Cross Section



MAT 5061

2.426 MeV (n,n') Level
Cross Section

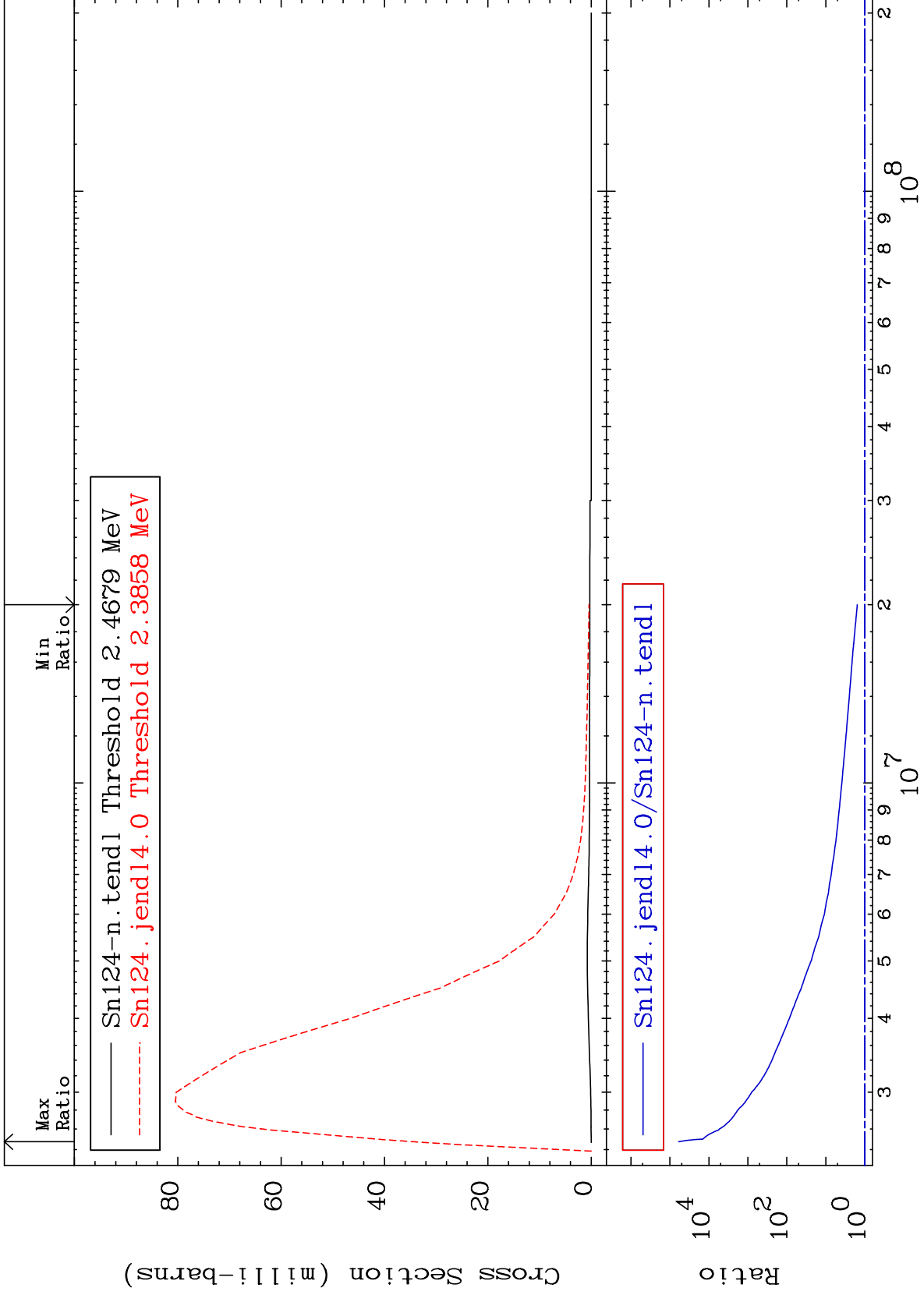
50-Sn-124
-99.49 To 22.02 %



MAT 5061

2.448 MeV (n,n') Level
Cross Section

50-Sn-124
55.59 To 9999. %



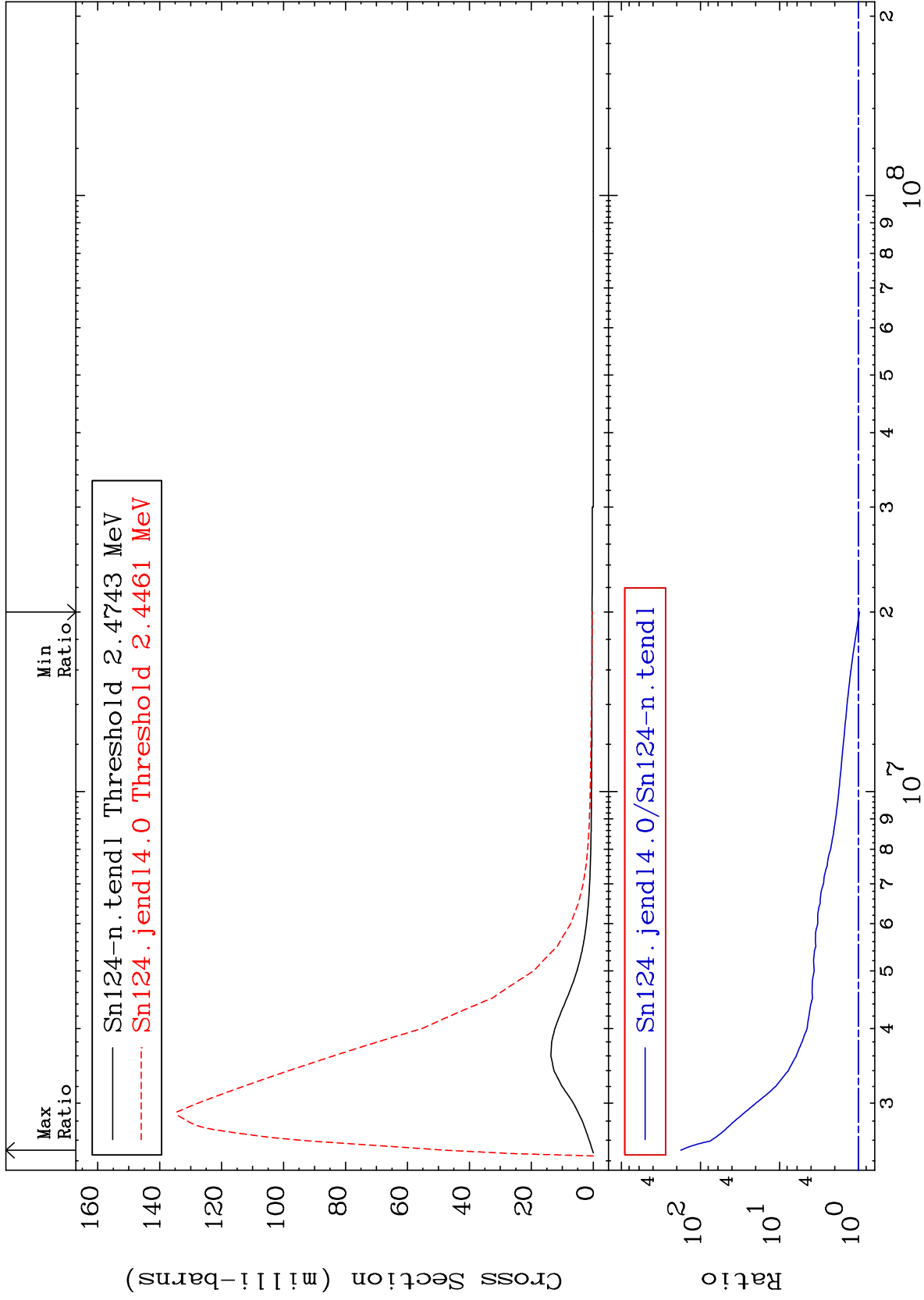
MAT 5061

2.454 MeV (n,n') Level

50-Sn-124

-2.897 To 9999. %

Cross Section



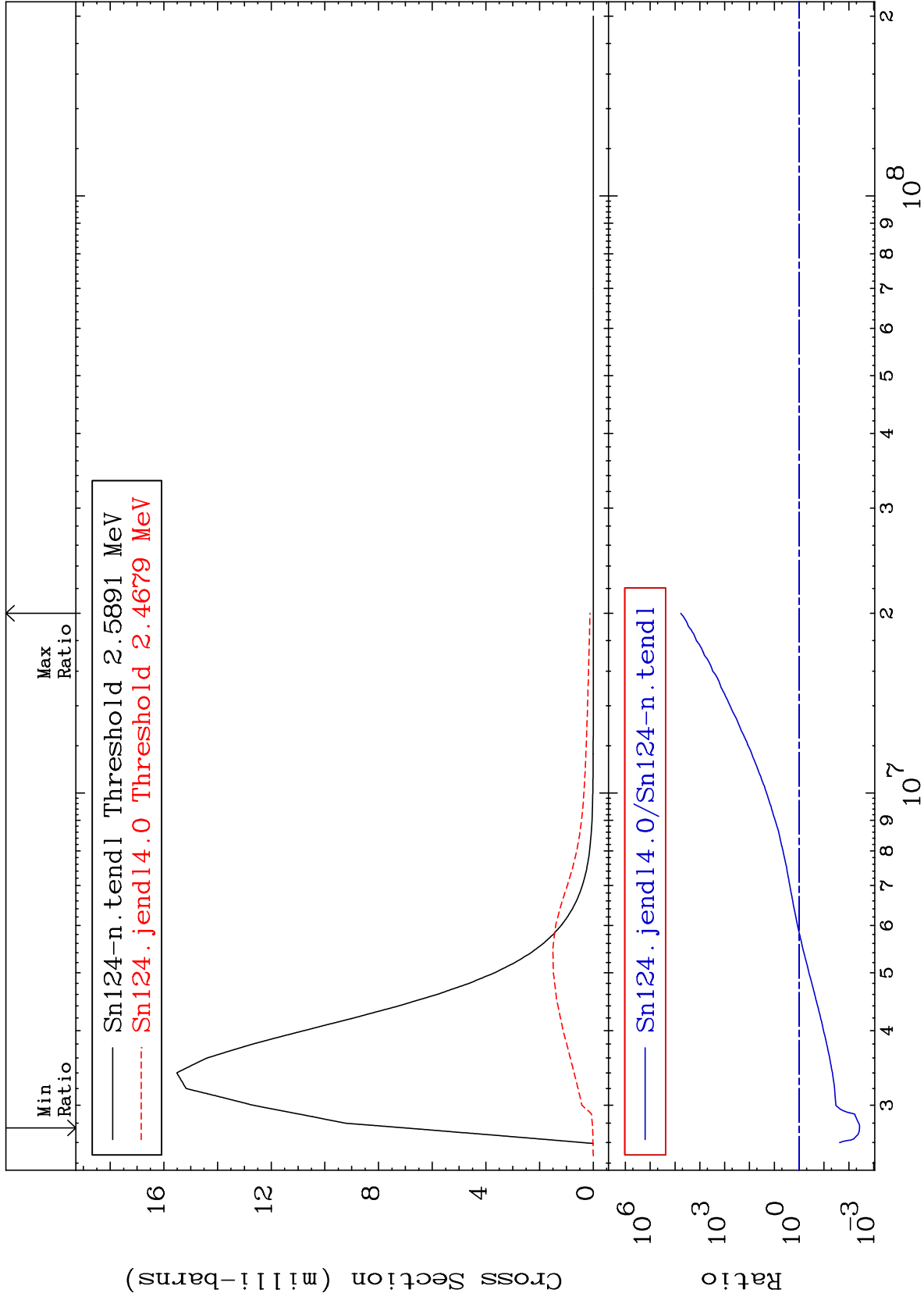
MAT 5061

2.568 MeV (n,n') Level

50-Sn-124

-99.63 To 9999. %

Cross Section

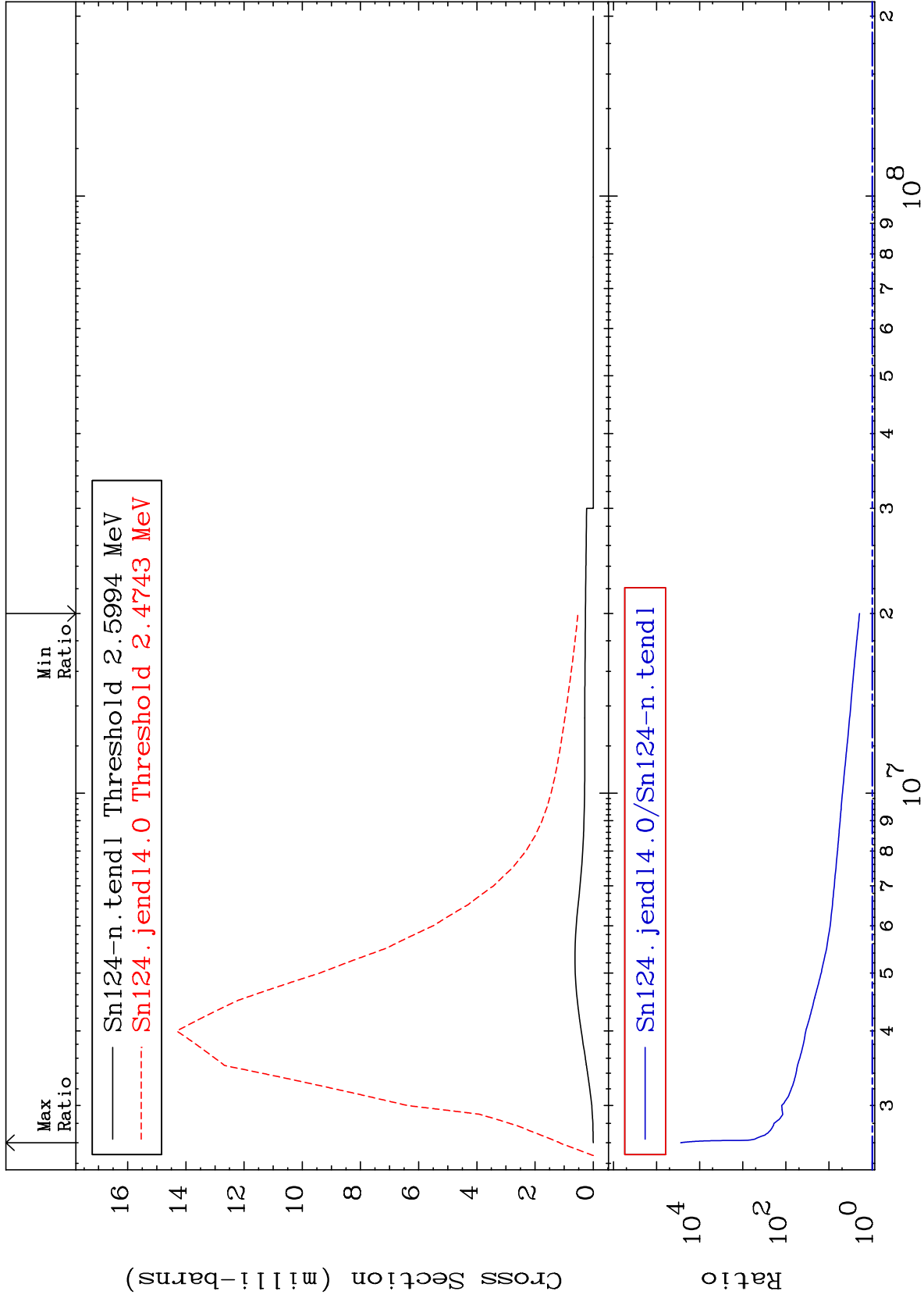


MAT 5061

2.578 MeV (n,n') Level

50-Sn-124

Cross Section
To 9999. %



20

Incident Energy (eV)

50-Sn-124

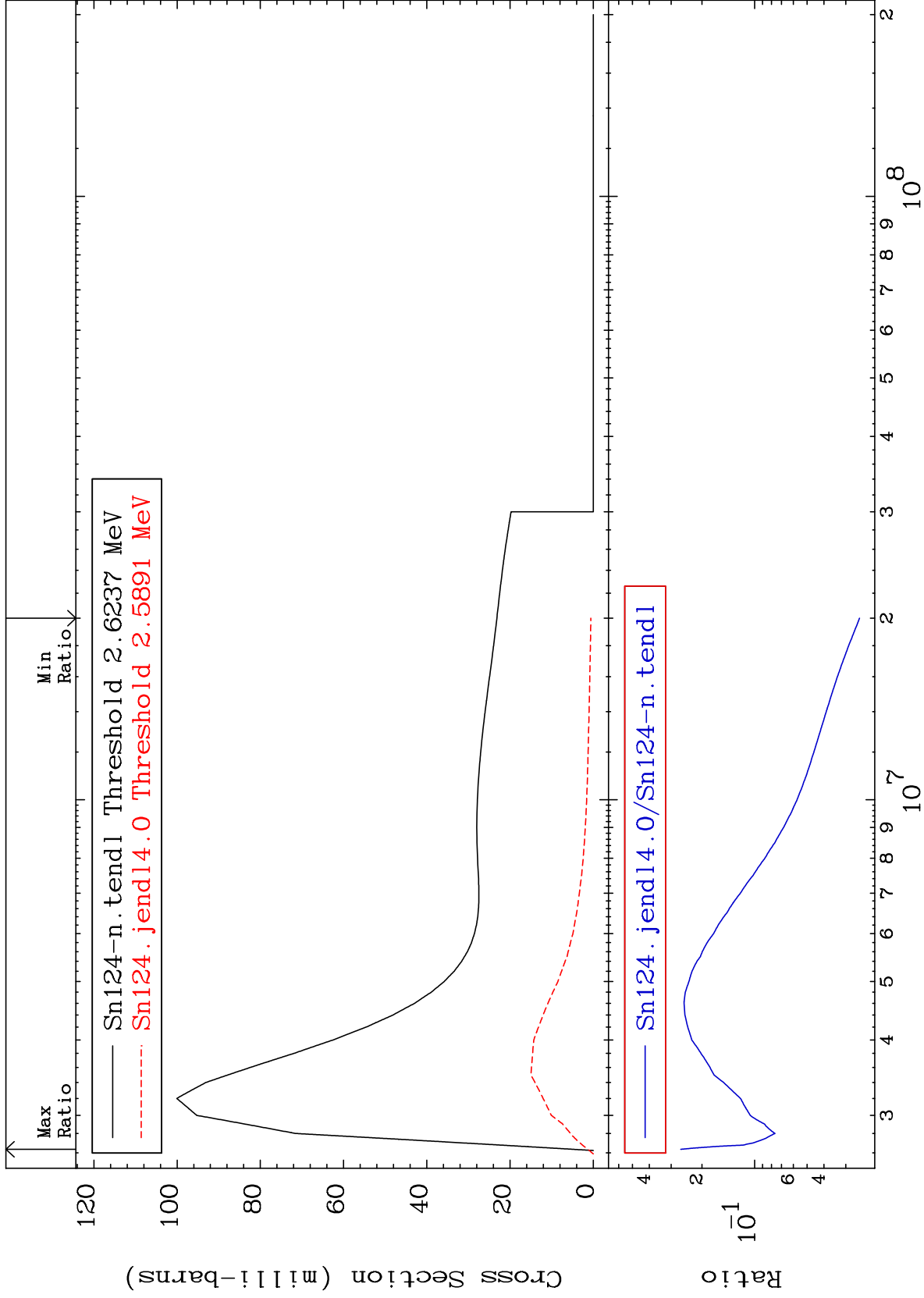
MAT 5061

2.602 MeV (n,n') Level

50-Sn-124

-97.50 To -73.56%

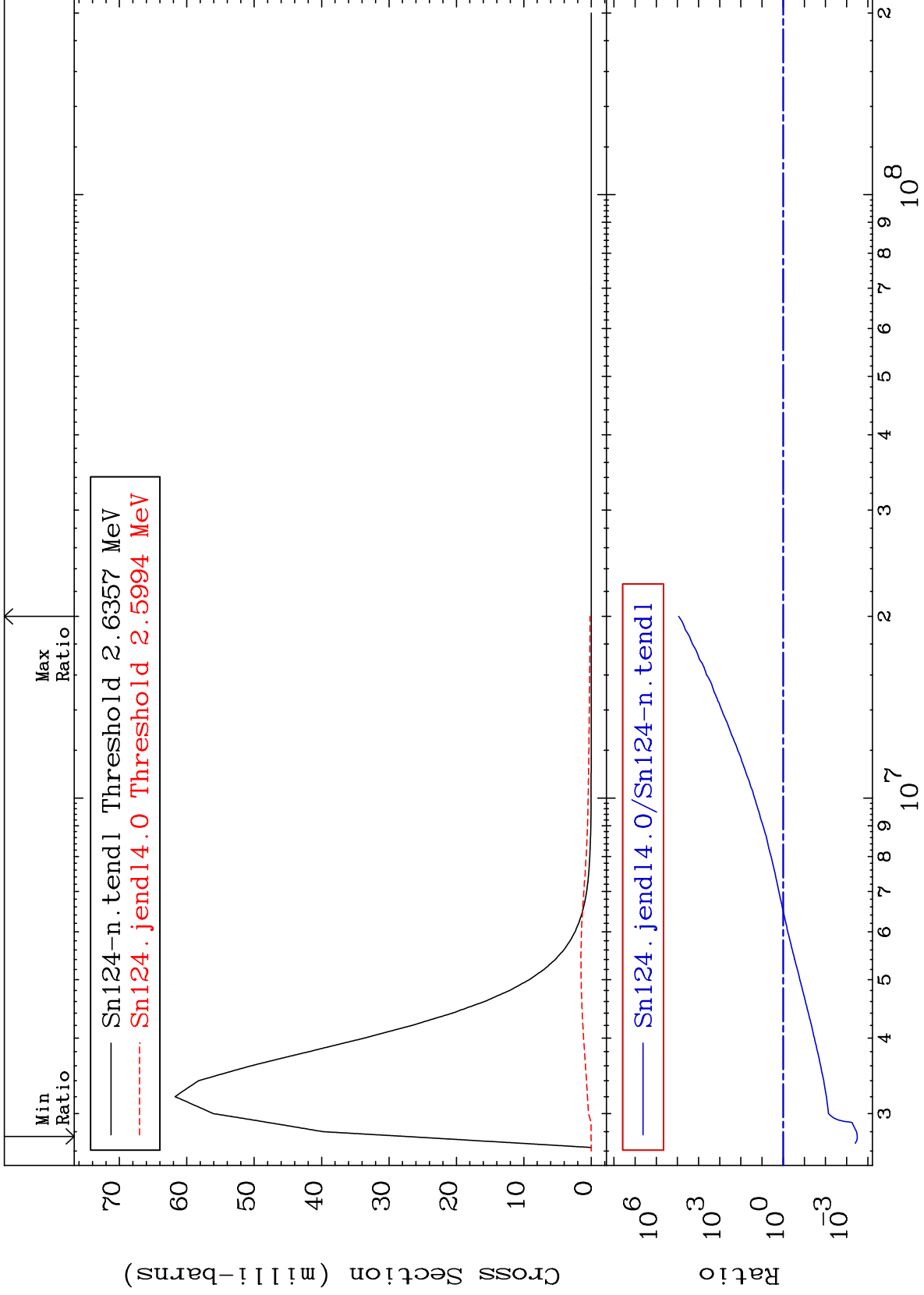
Cross Section



MAT 5061

2.614 MeV (n,n') Level
Cross Section

50-Sn-124
-99.97 To 9999. %

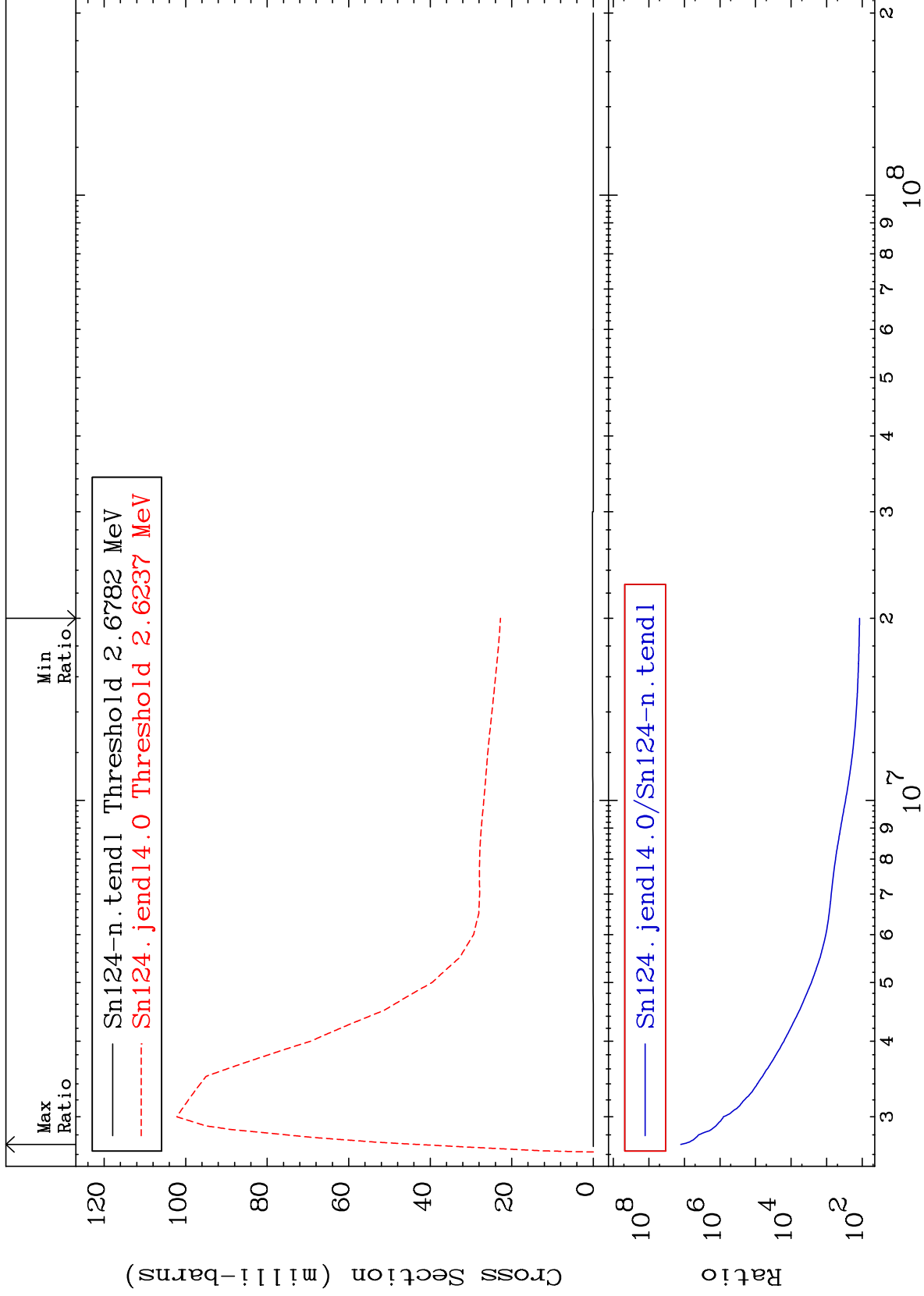


MAT 5061

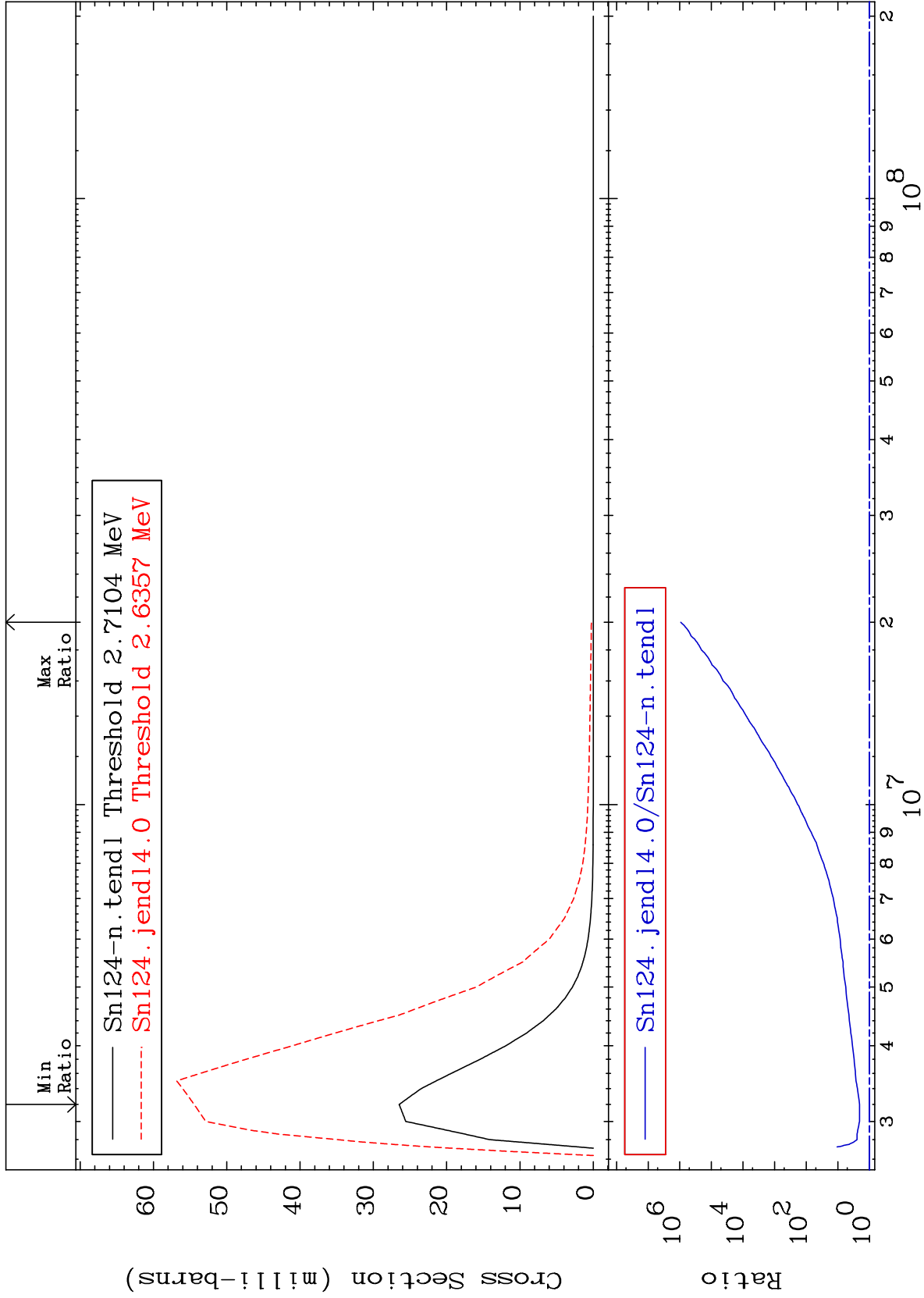
2.657 MeV (n,n') Level

50-Sn-124

Cross Section
To 9999. %



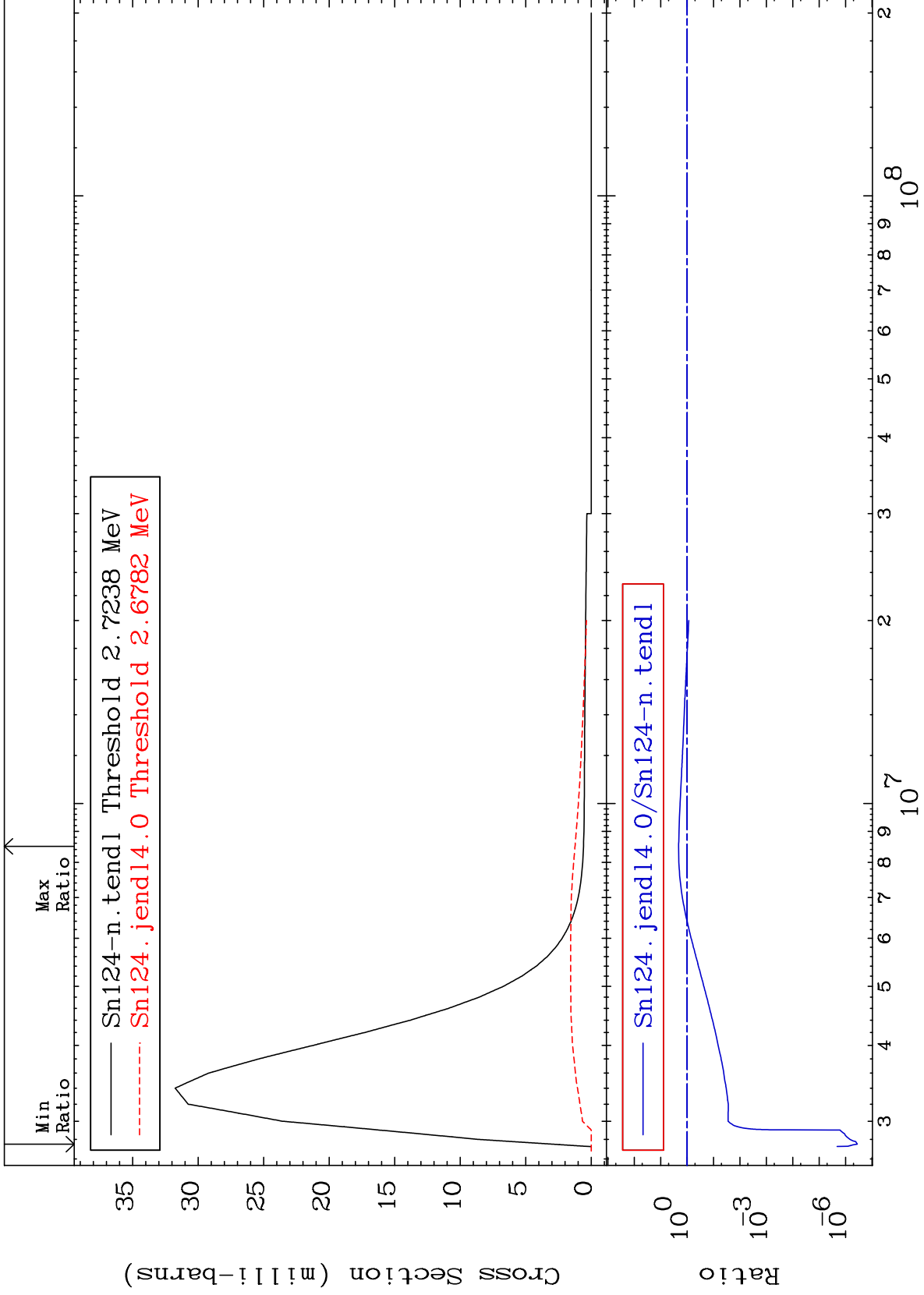
MAT 5061 2.689 MeV (n,n') Level 50-Sn-124
 Cross Section 105.6 To 9999. %



MAT 5061

2.702 MeV (n,n') Level
Cross Section

50-Sn-124
-100.0 To 110.0 %

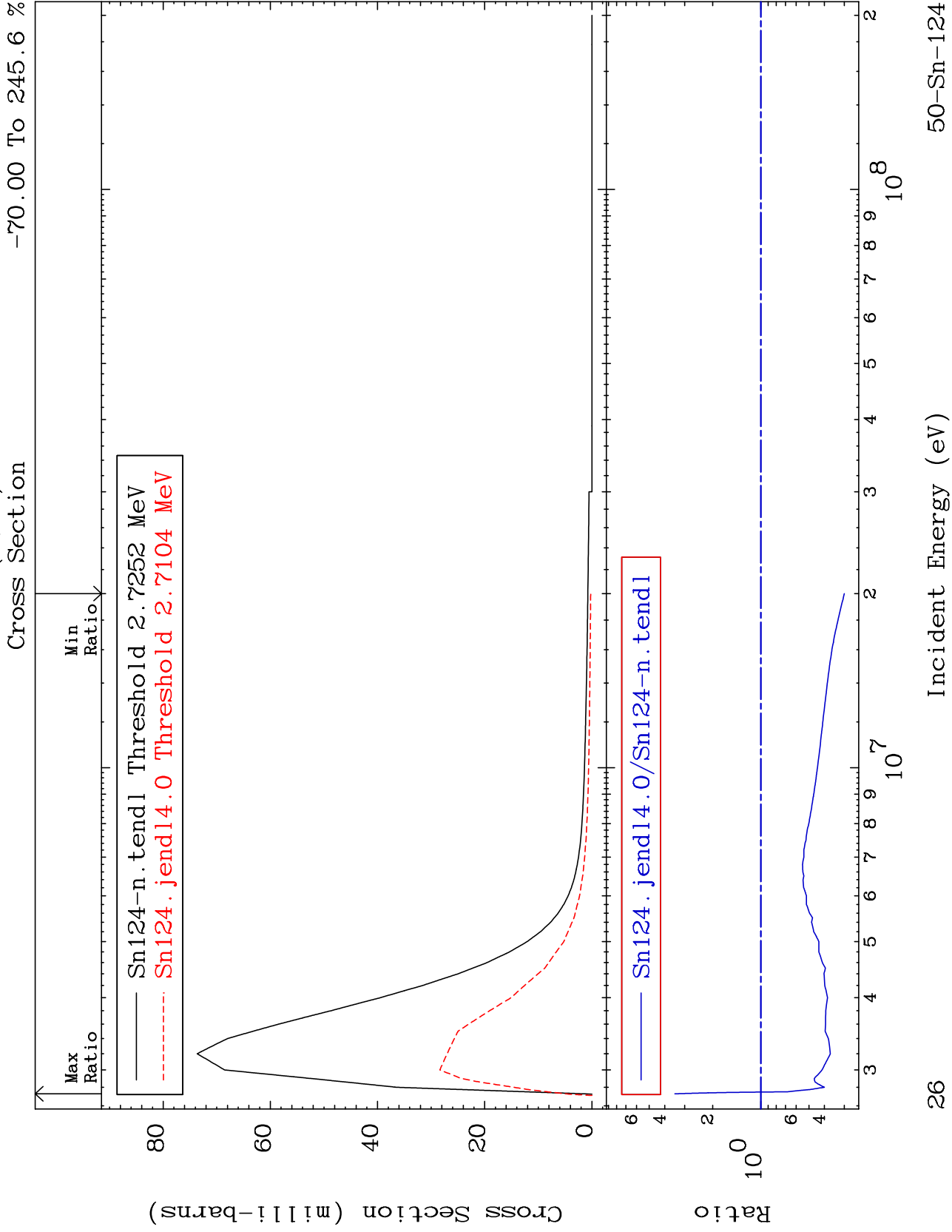


MAT 5061

2.703 MeV (n,n') Level

50-Sn-124

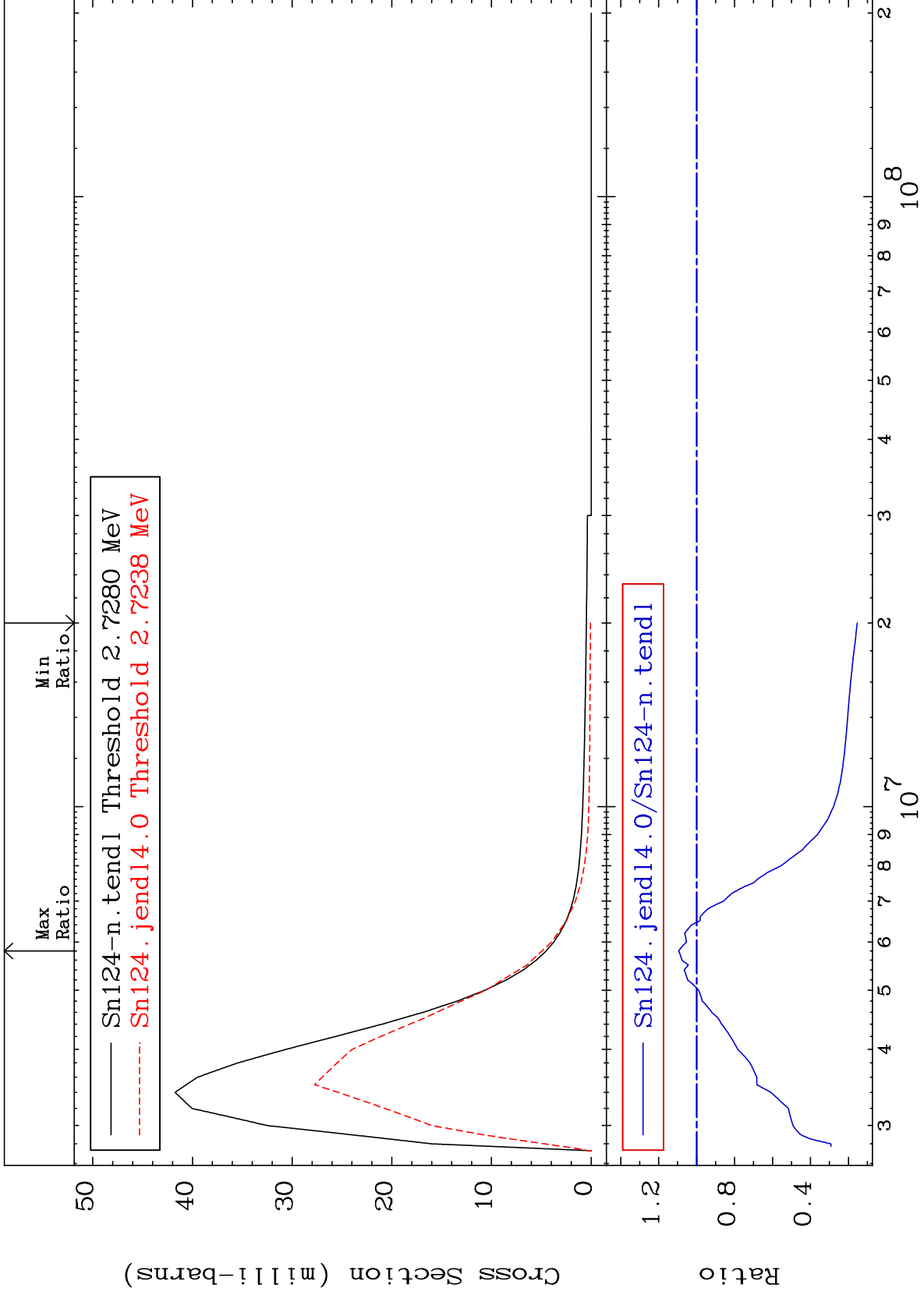
-70.00 To 245.6 %



MAT 5061

2.706 MeV (n,n') Level
Cross Section

50-Sn-124
-84.65 To 9.468 %



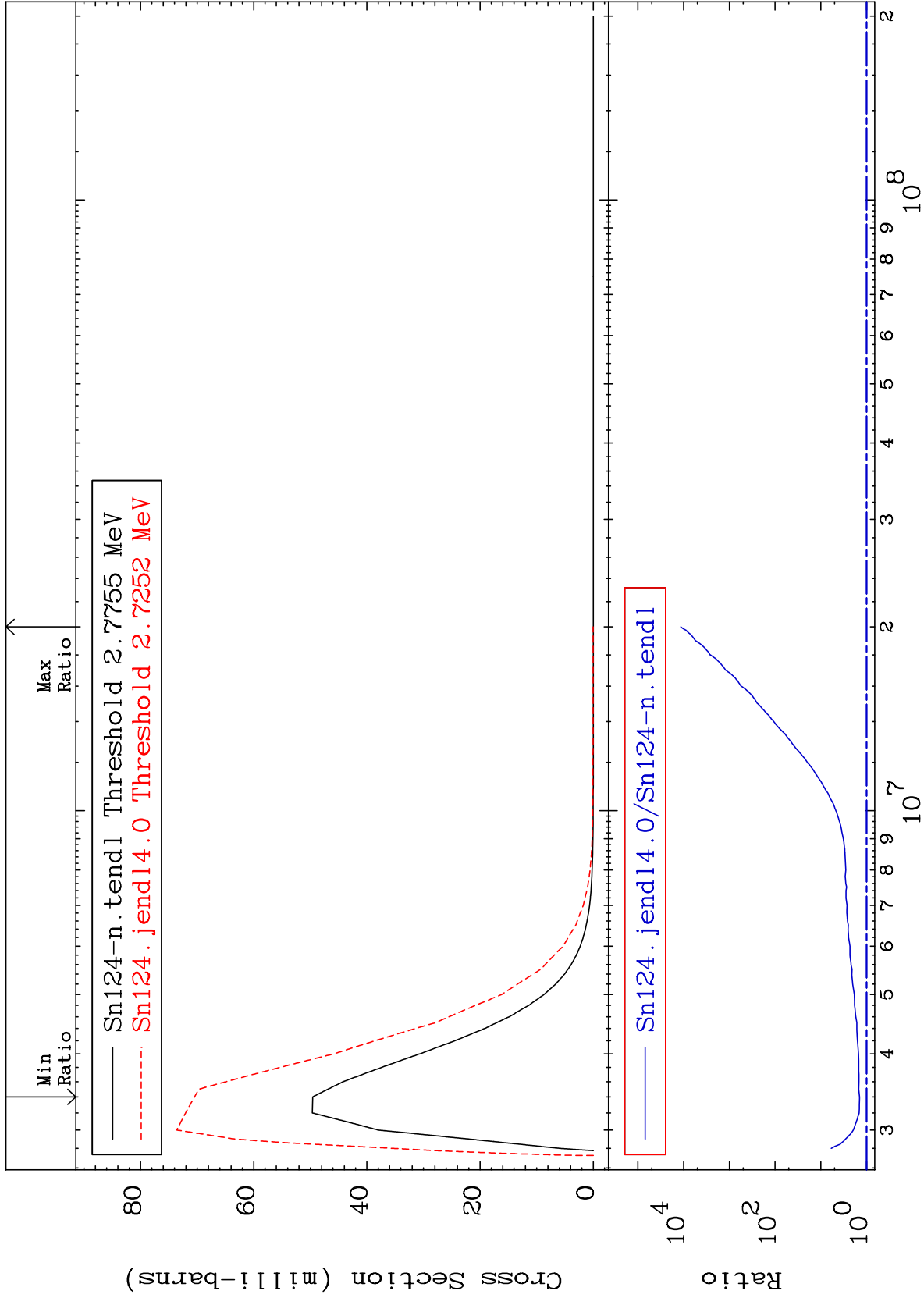
MAT 5061

2.753 MeV (n,n') Level

50-Sn-124

42.15 To 9999. %

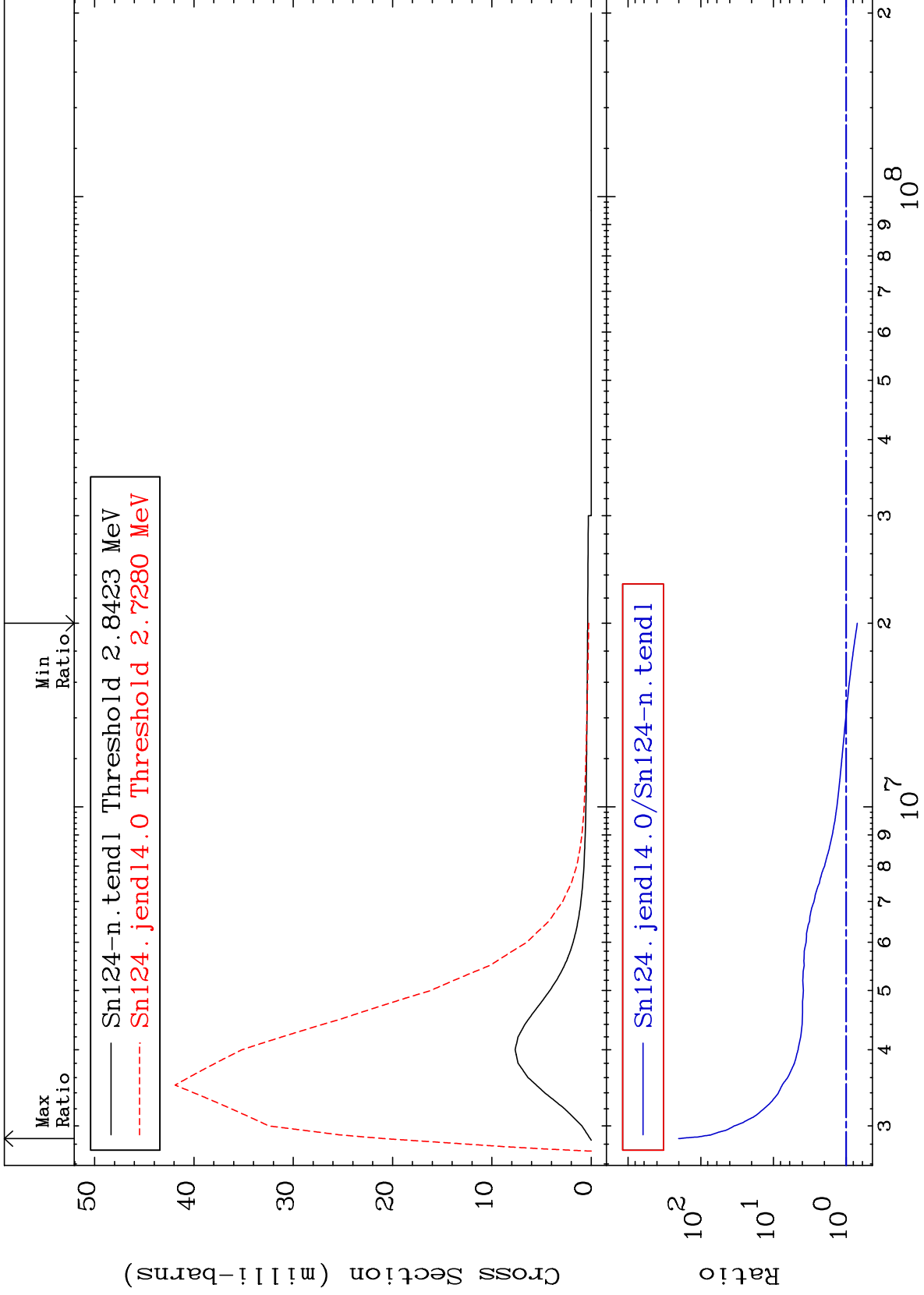
Cross Section



MAT 5061

2.819 MeV (n,n') Level
Cross Section

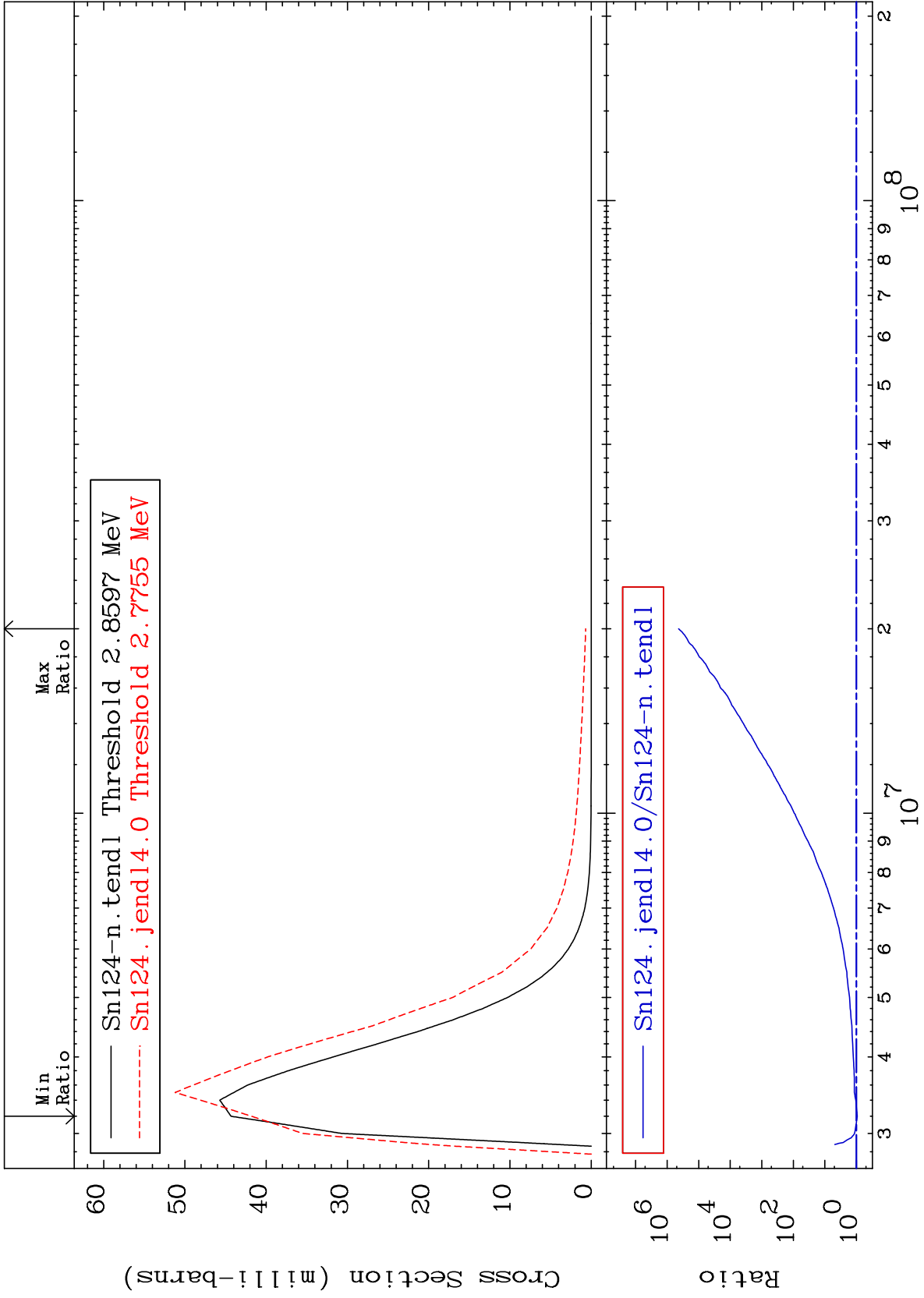
50-Sn-124
-29.45 To 9999. %



MAT 5061

2.837 MeV (n,n') Level
Cross Section

50-Sn-124
-5.695 To 9999. %

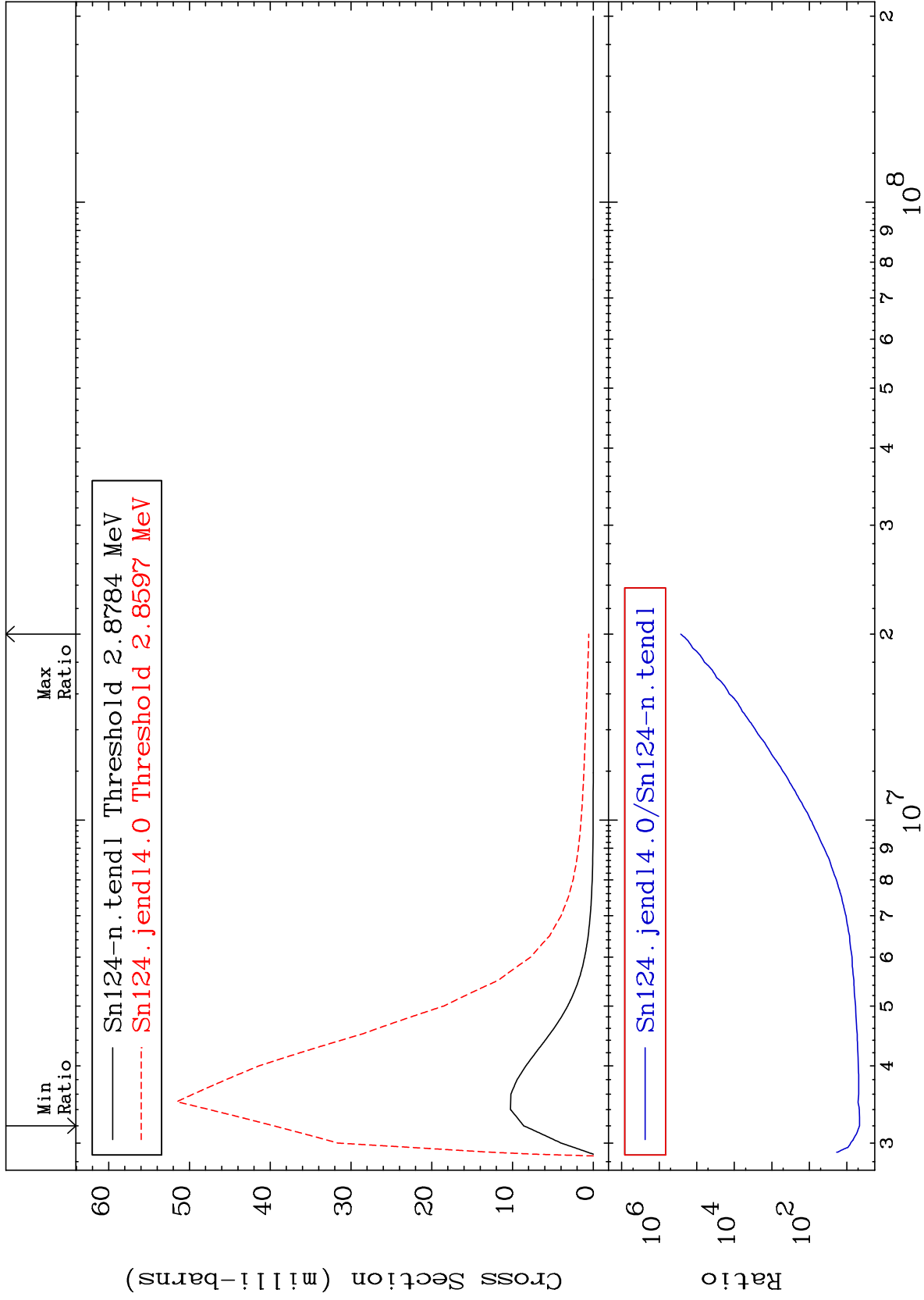


30

Incident Energy (eV)

50-Sn-124

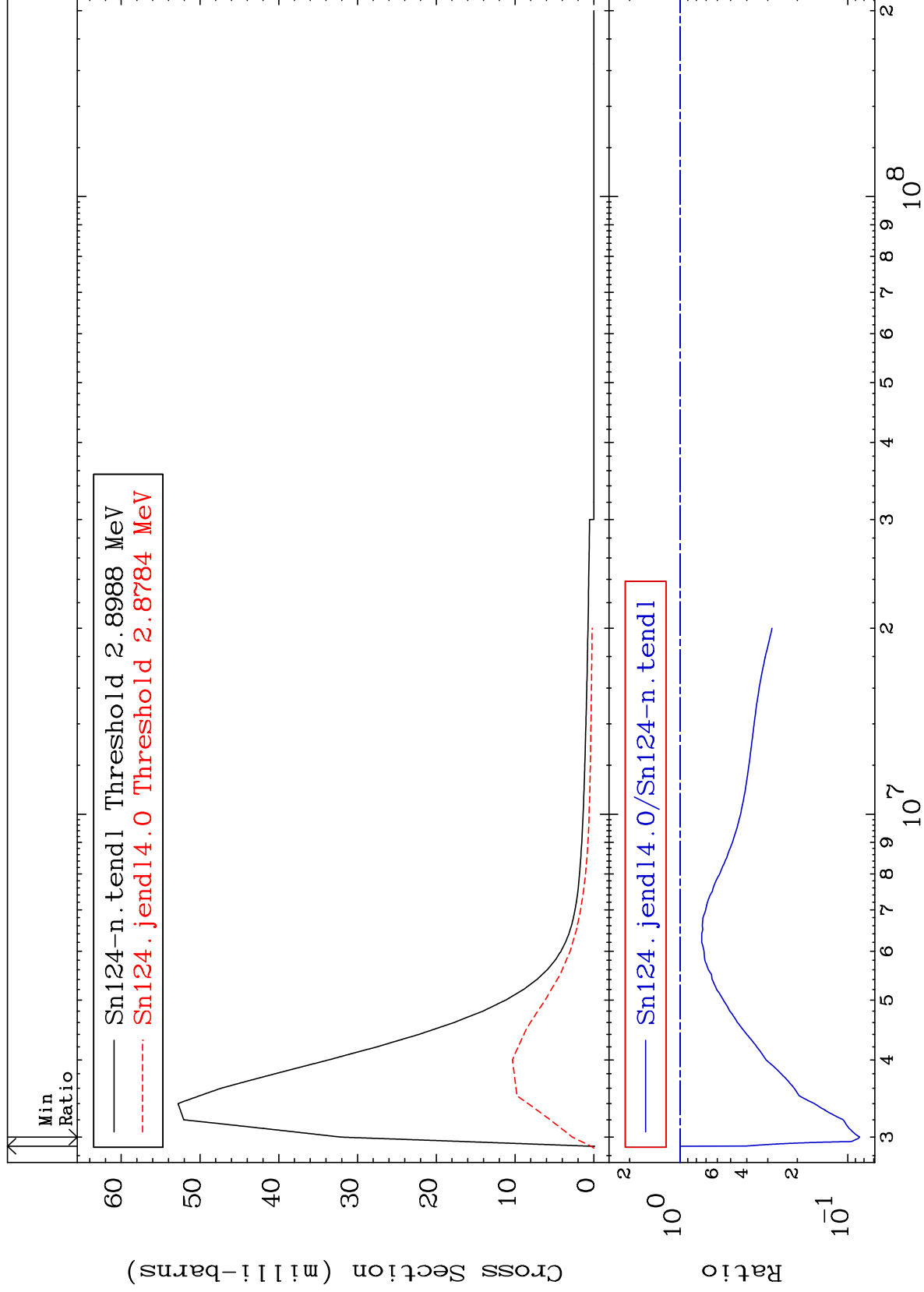
MAT 5061 2.855 MeV (n,n') Level 50-Sn-124
 Cross Section To 9999. %



MAT 5061

2.875 MeV (n,n') Level
Cross Section

50-Sn-124
-91.50 To -1.439%



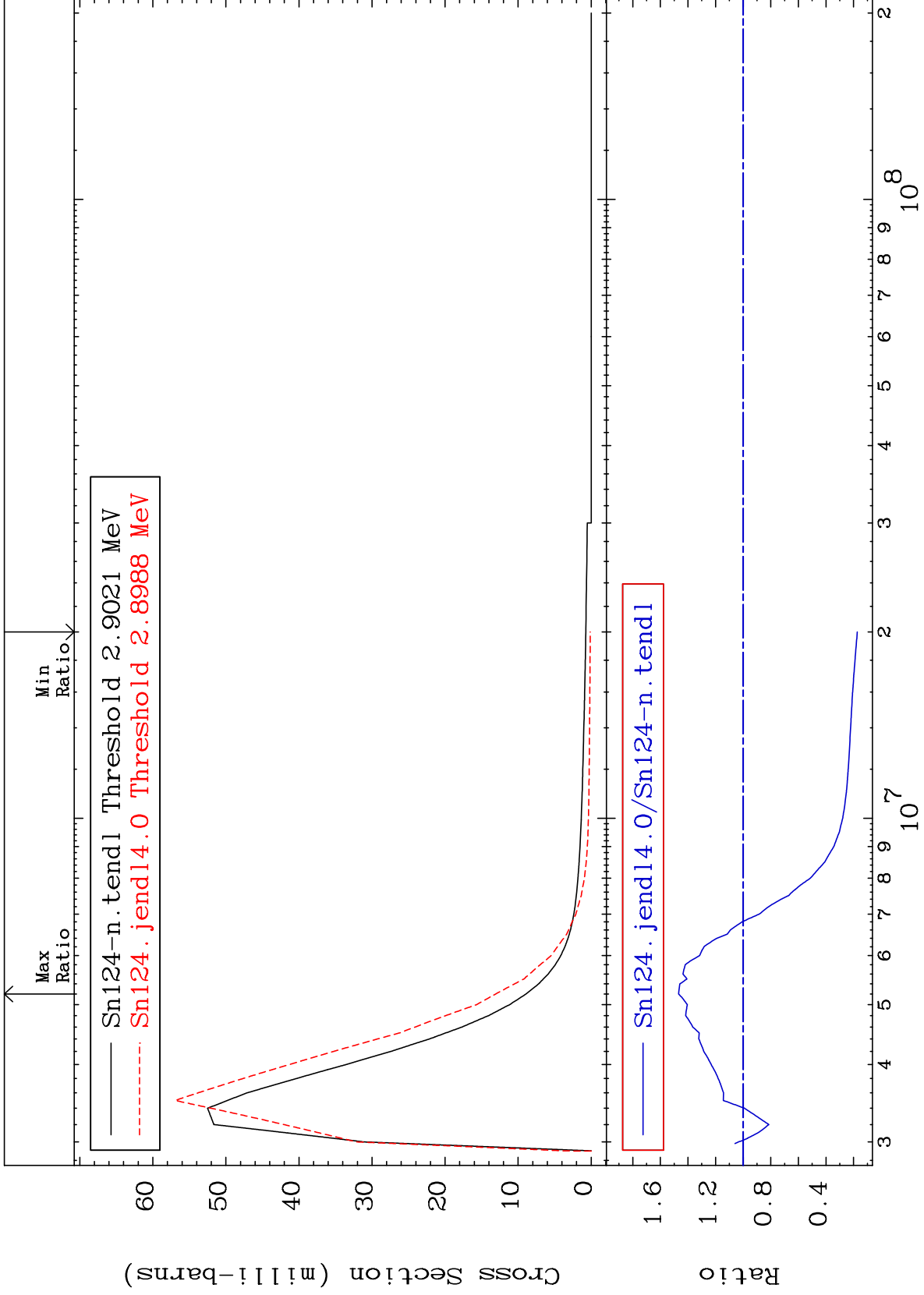
32

50-Sn-124

MAT 5061

2.879 MeV (n,n') Level
Cross Section

50-Sn-124
-82.65 To 46.76 %



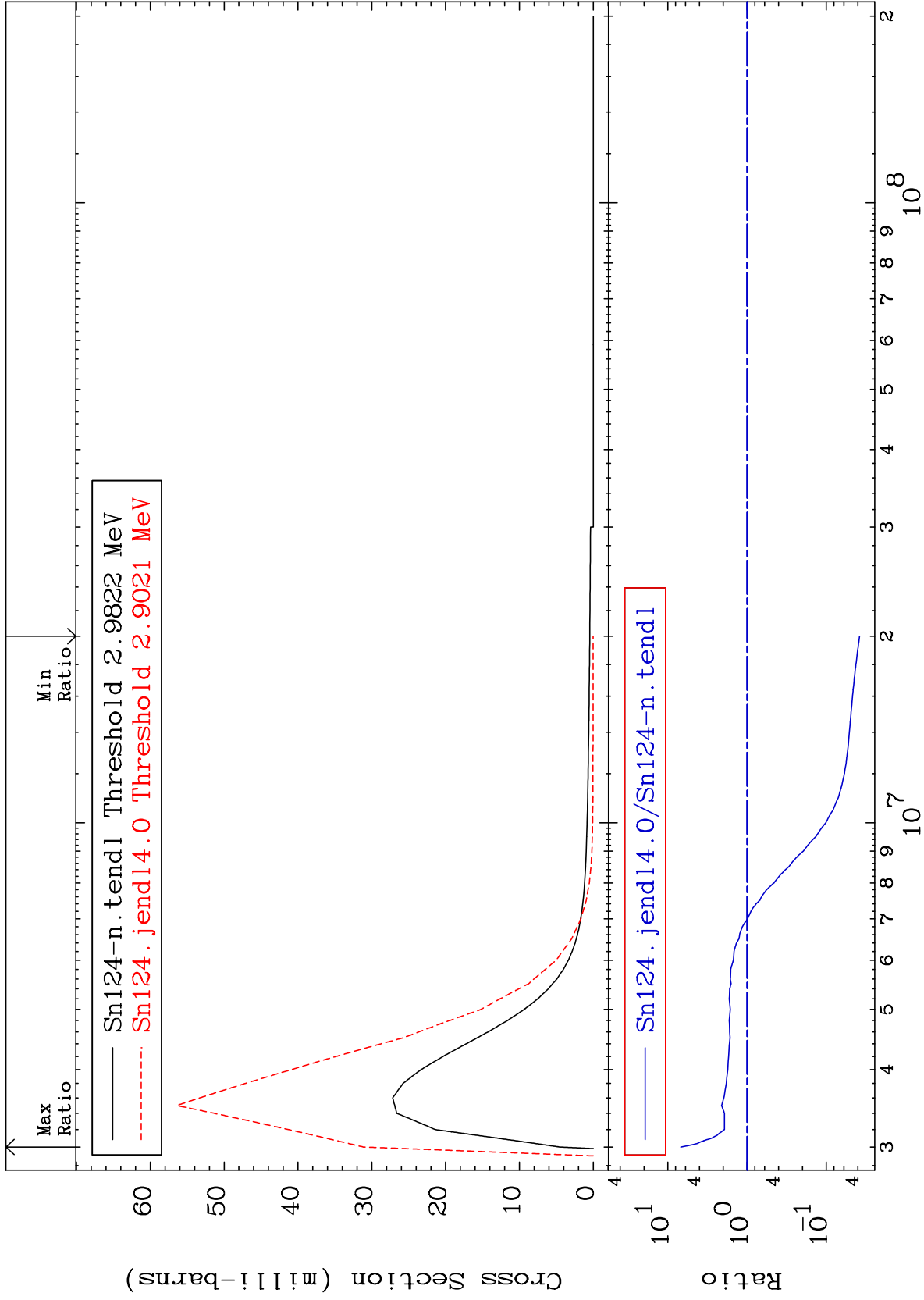
MAT 5061

2.958 MeV (n,n') Level

50-Sn-124

-96.19 To 586.9 %

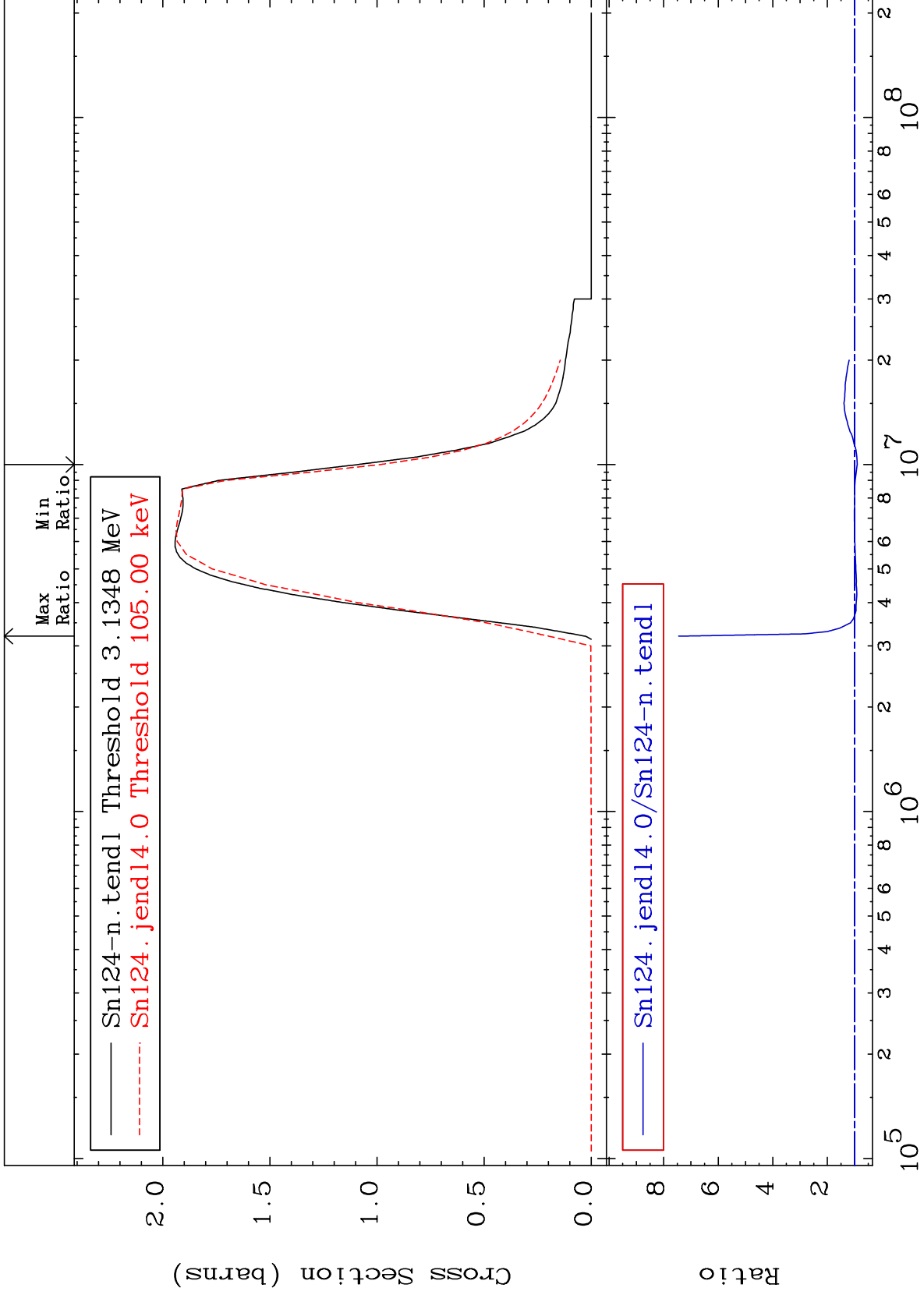
Cross Section



MAT 5061

(n, n') Continuum
Cross Section

50-Sn-124
-9.690 To 645.1 %



35

Incident Energy (eV)

50-Sn-124

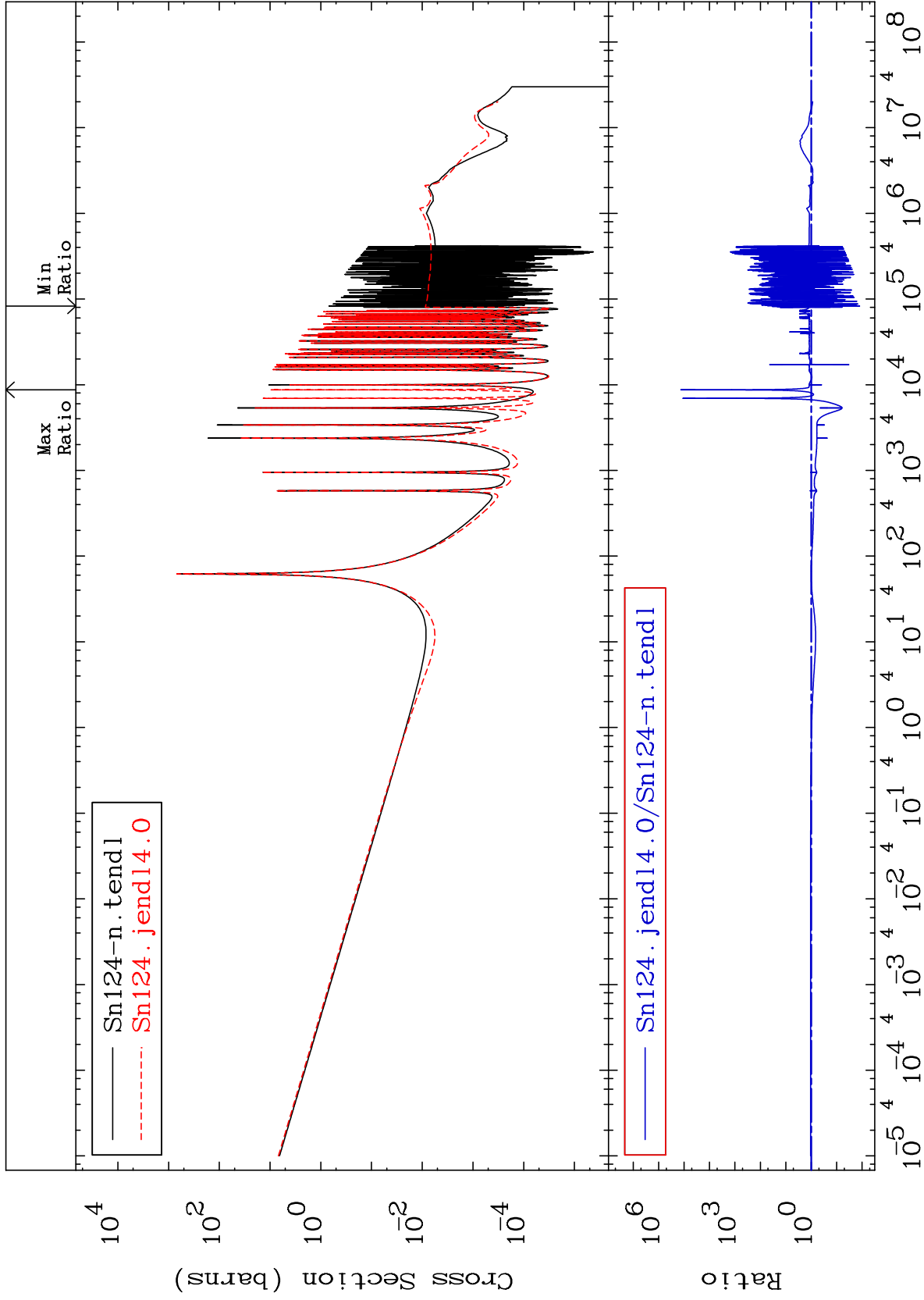
MAT 5061

(n, γ)

50-Sn-124

Cross Section

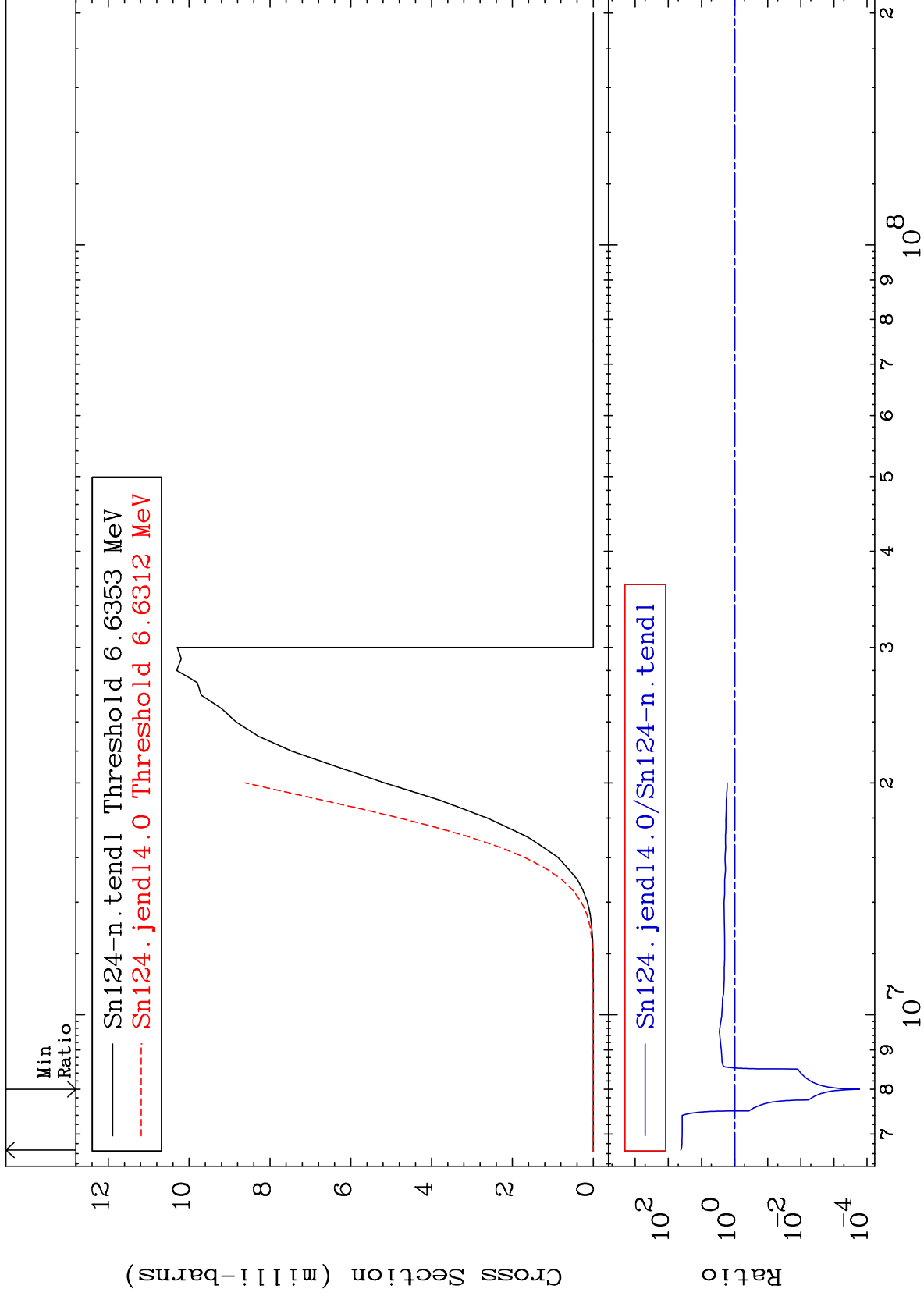
-98.75 To 9999. %



MAT 5061

(n,p)
Cross Section

50-Sn-124
-99.98 To 4107. %



37

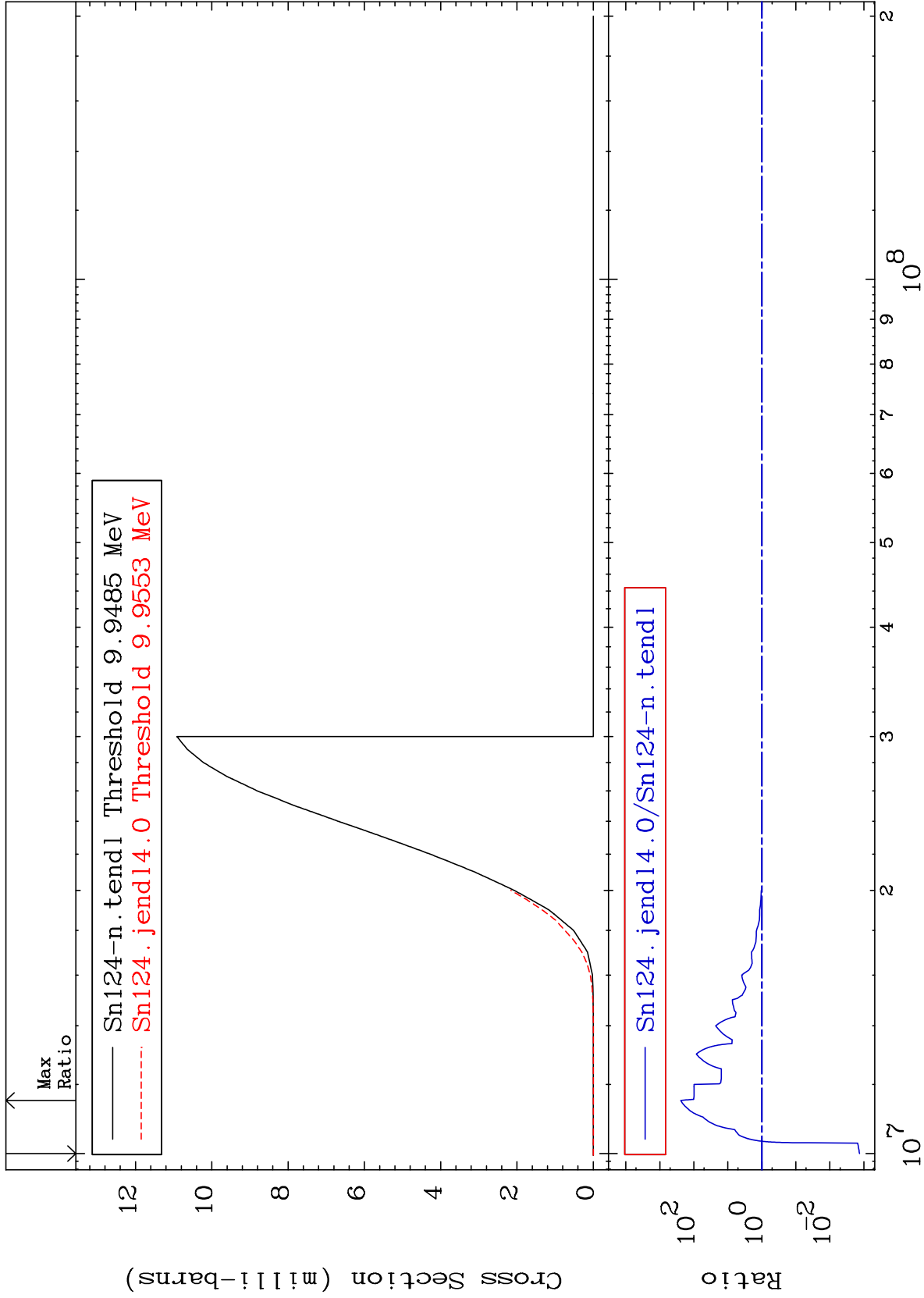
Incident Energy (eV)

50-Sn-124

MAT 5061

(n, d)
Cross Section

50-Sn-124
-99.87 To 9999. %



38

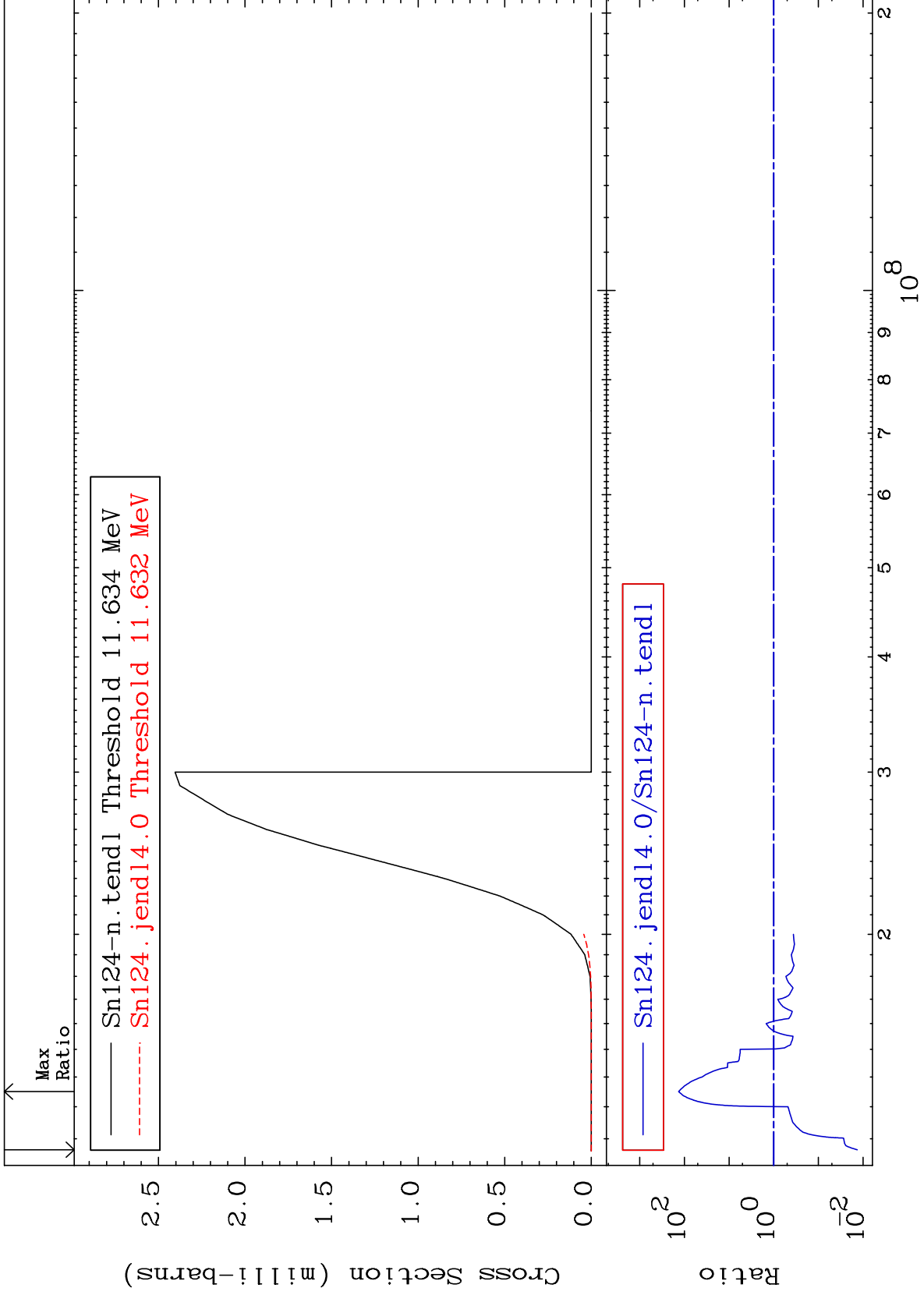
Incident Energy (eV)

50-Sn-124

MAT 5061

(n, t)
Cross Section

50-Sn-124
-98.65 To 9999. %



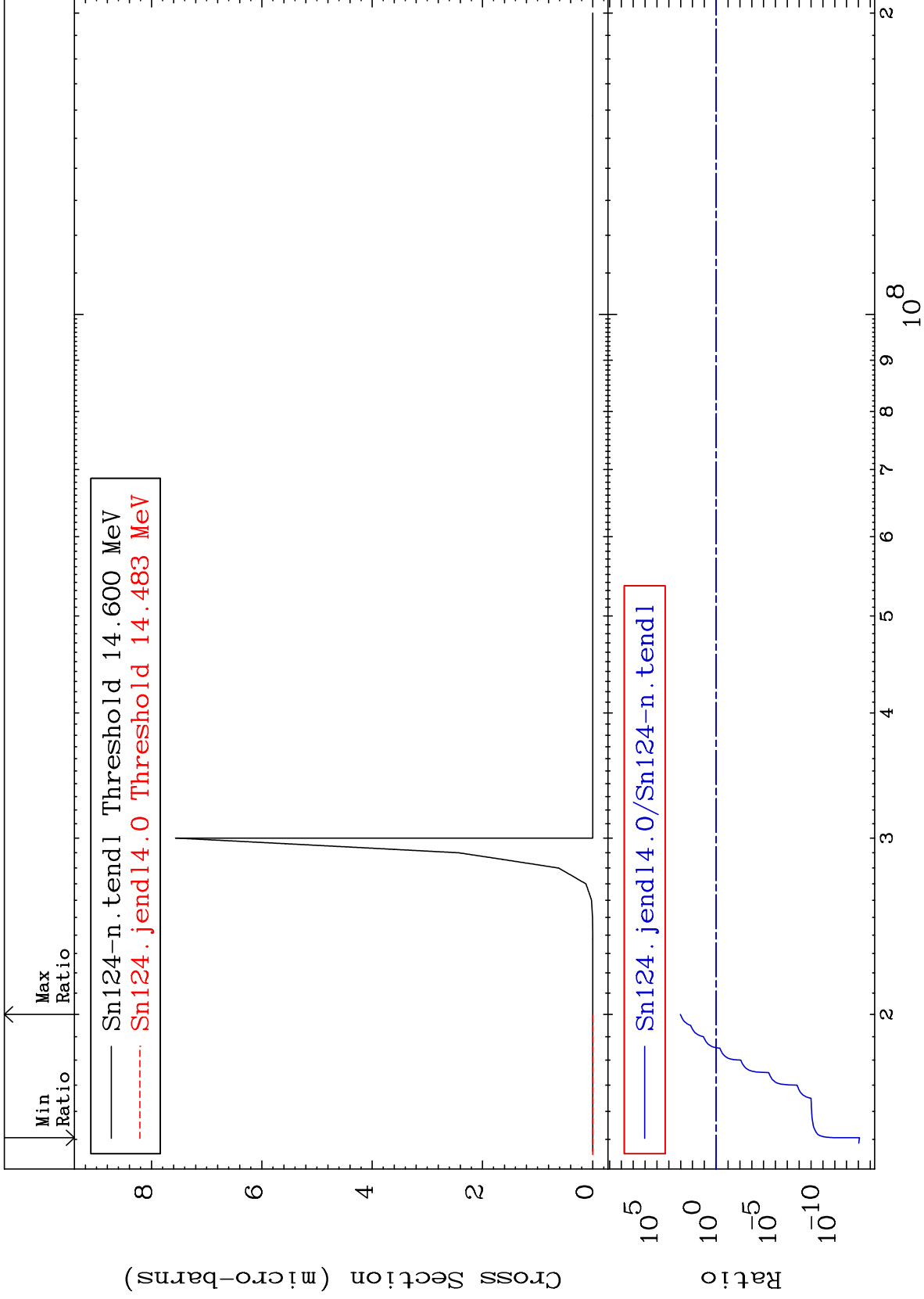
MAT 5061

(n, He-3)

50-Sn-124

Cross Section

-100.0 To 9999. %



40

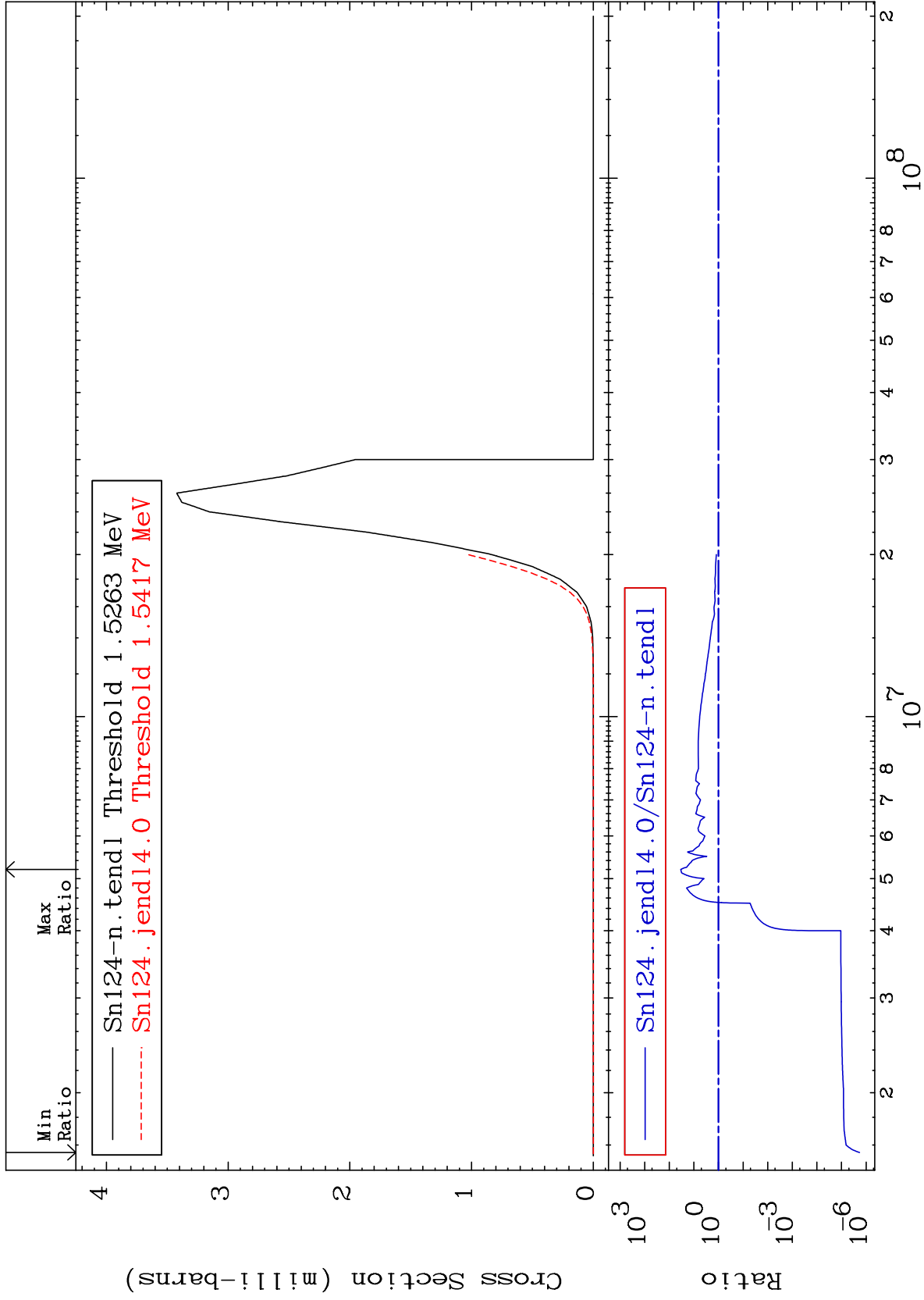
Incident Energy (eV)

50-Sn-124

MAT 5061

50-Sn-124

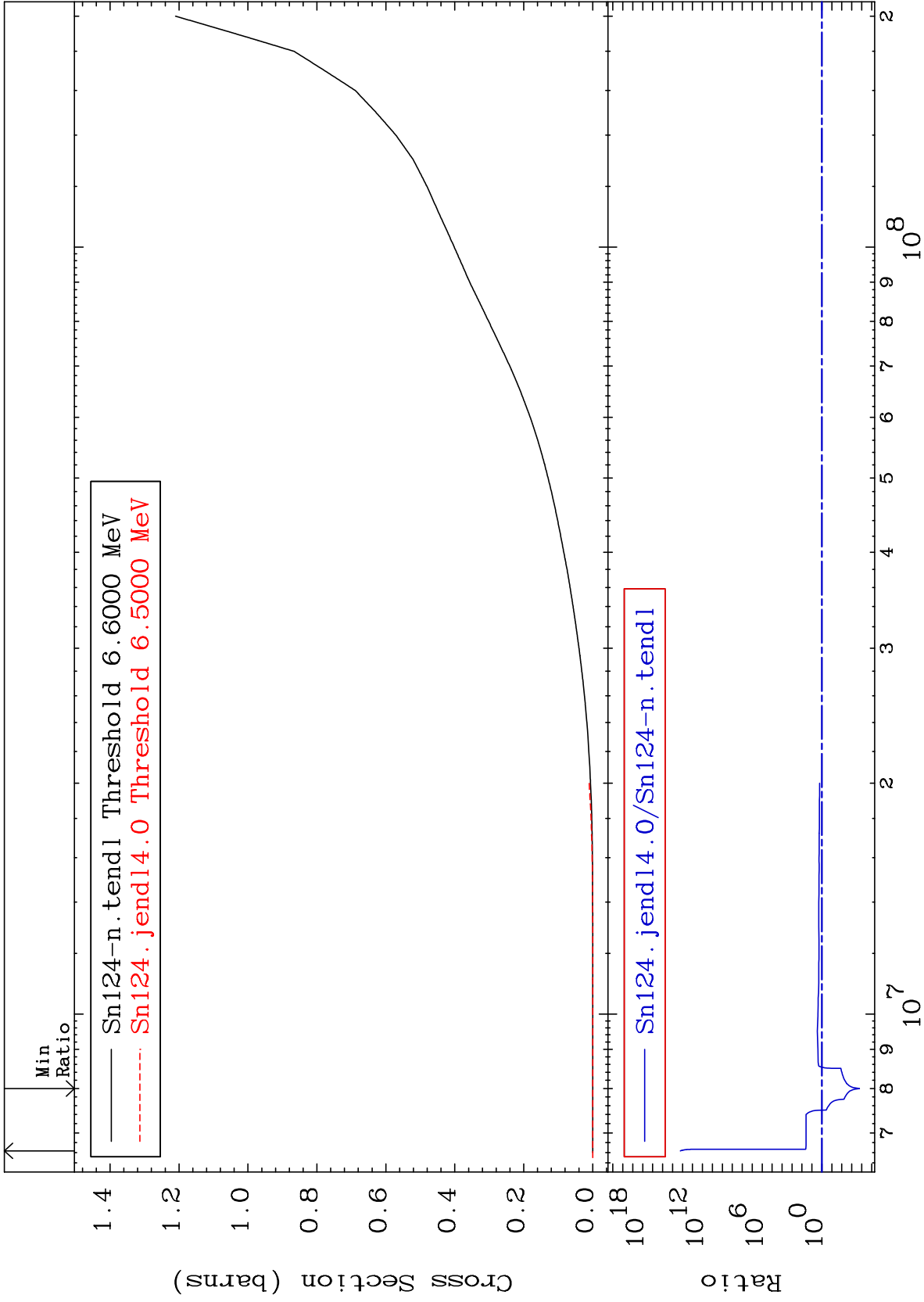
(n, α)
Cross Section
-100.0 To 3309. %



MAT 5061

Hydrogen Production
Cross Section

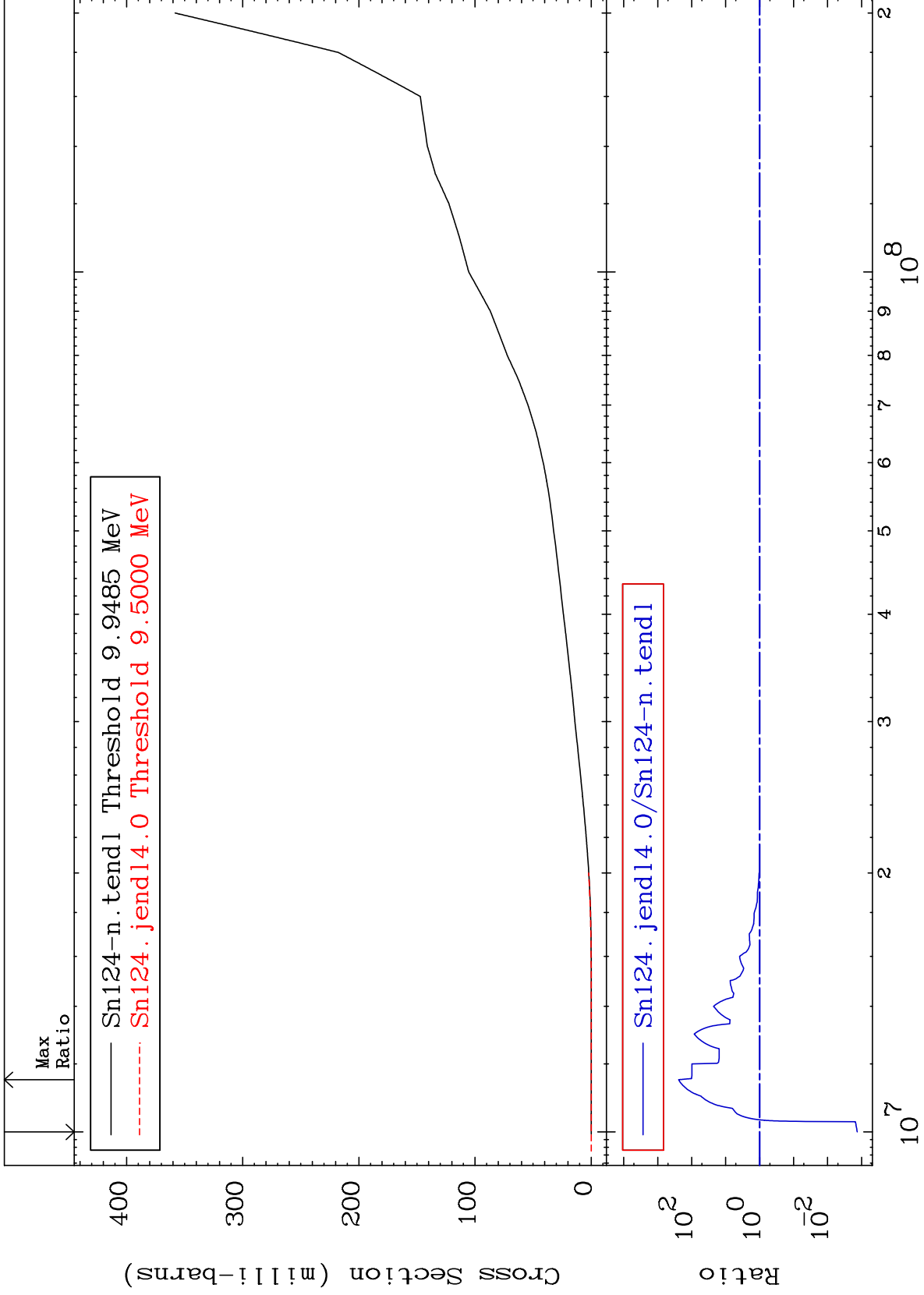
50-Sn-124
-99.98 To 9999. %



MAT 5061

Deuterium Production
Cross Section

50-Sn-124
-99.87 To 9999. %



43

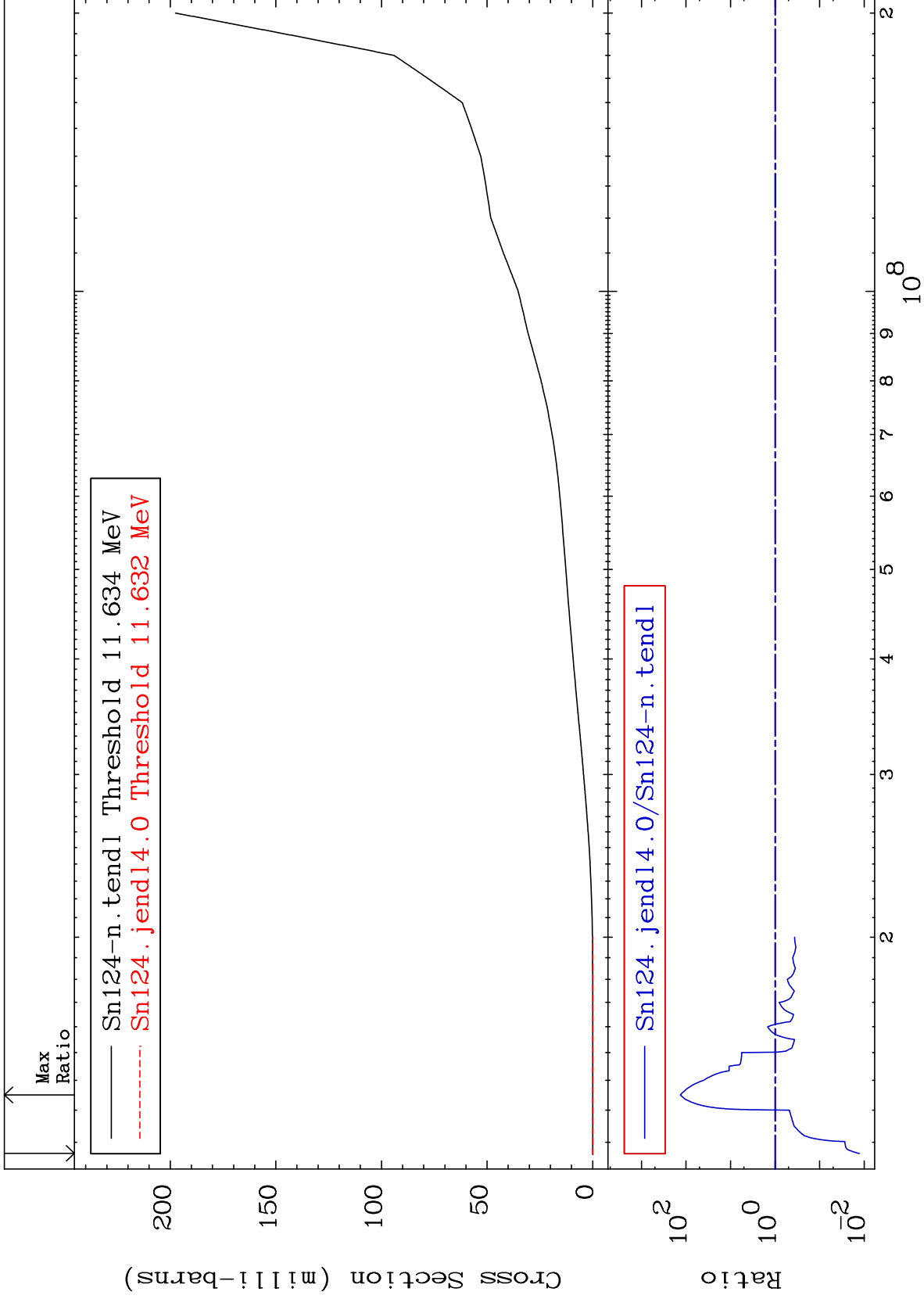
Incident Energy (eV)

50-Sn-124

MAT 5061

Tritium Production
Cross Section

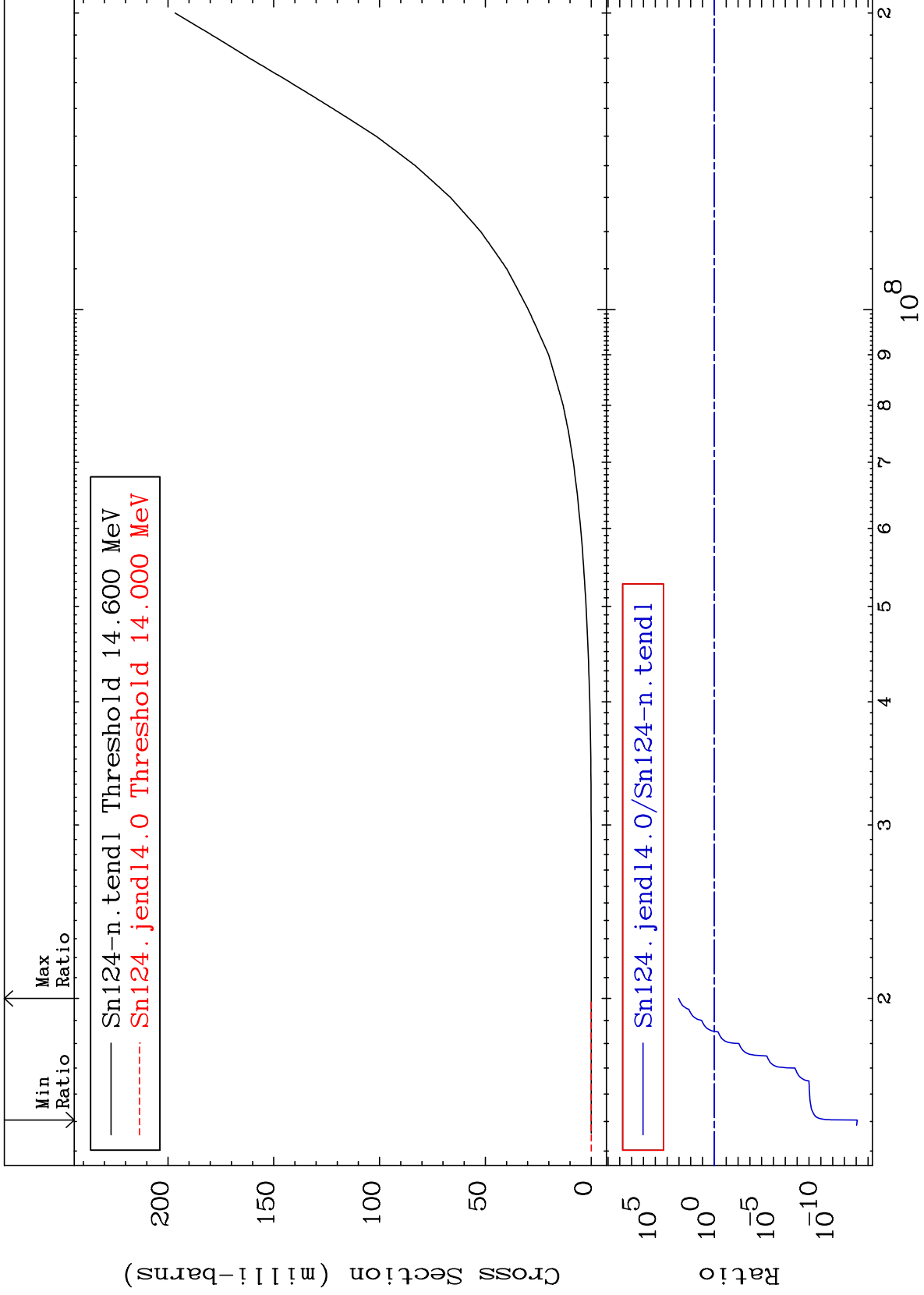
50-Sn-124
-98.72 To 9999. %



MAT 5061

He-3 Production
Cross Section

50-Sn-124
-100.0 To 9999. %



45

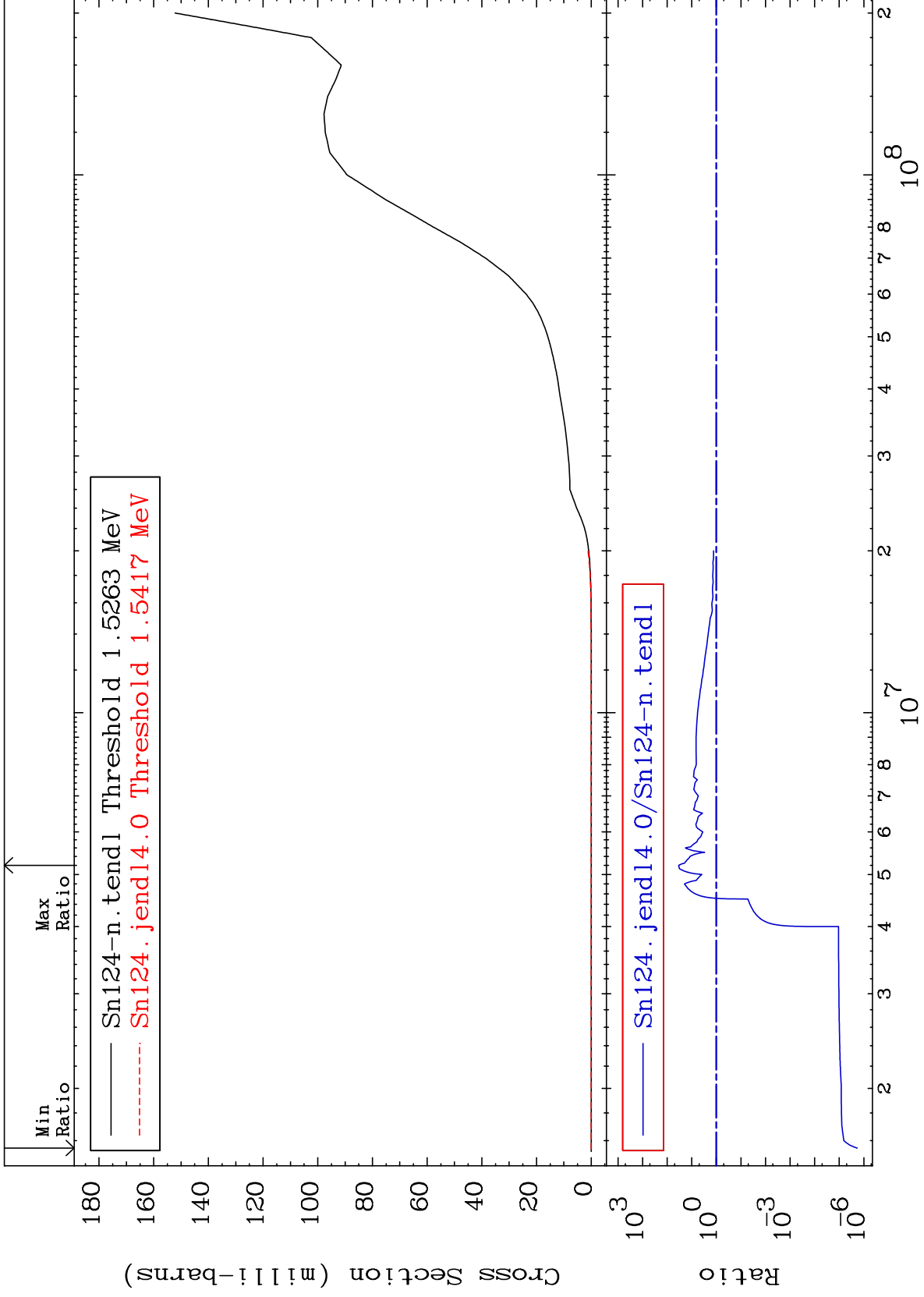
Incident Energy (eV)

50-Sn-124

MAT 5061

He-4 Production
Cross Section

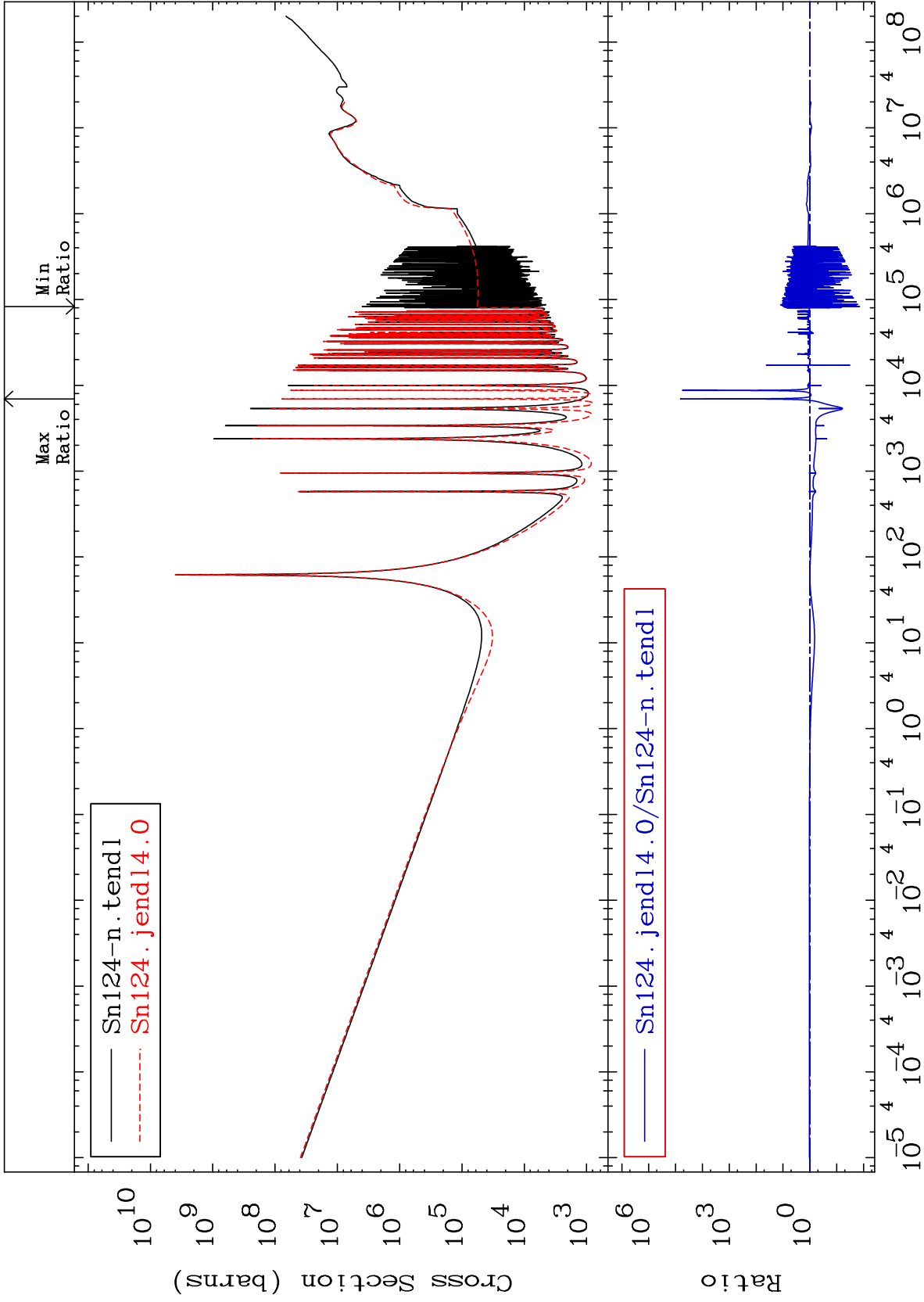
50-Sn-124
-100.0 To 3309. %



MAT 5061

Kerma total (eV-barns)
Cross Section

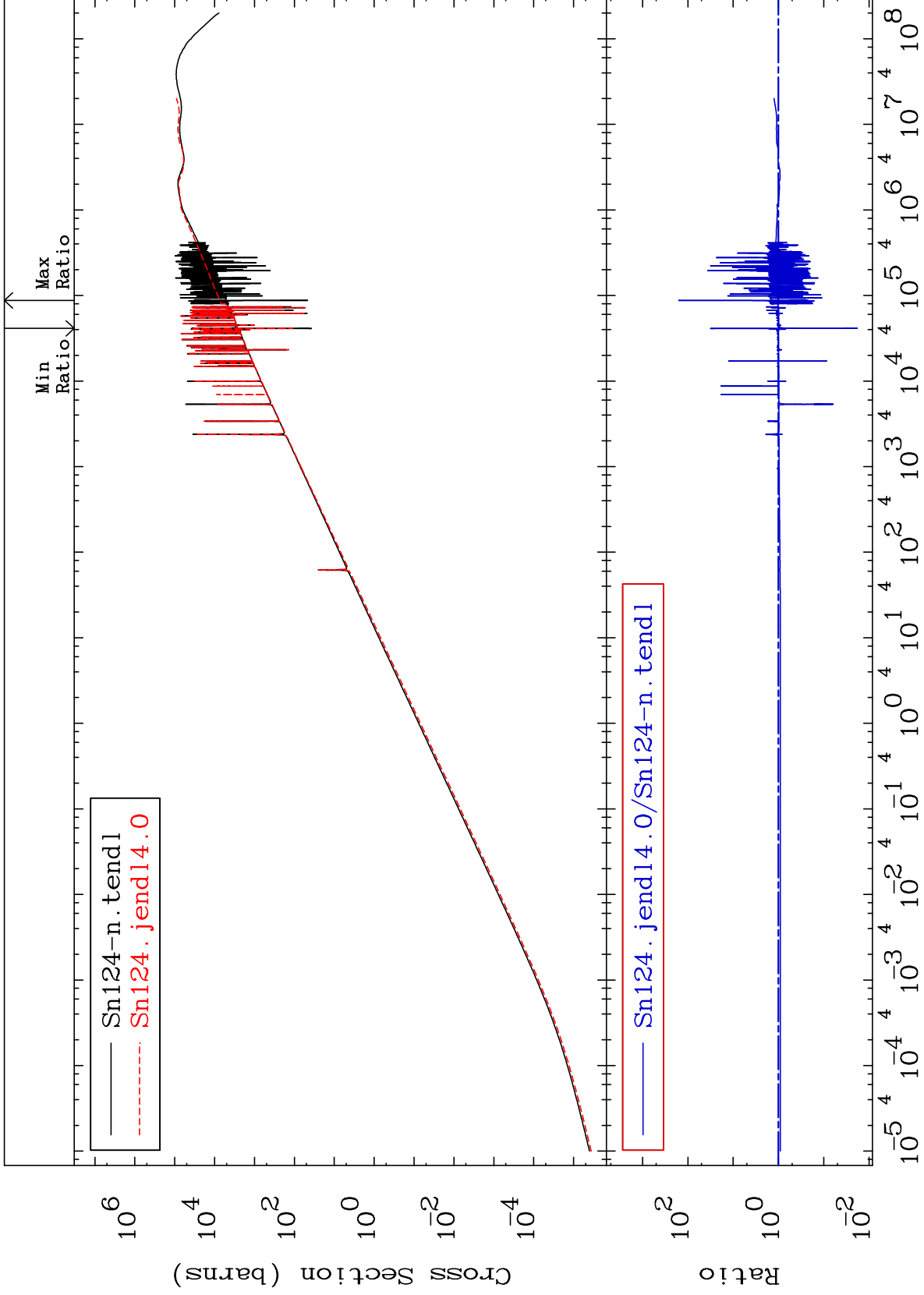
50-Sn-124
-98.57 To 9999. %

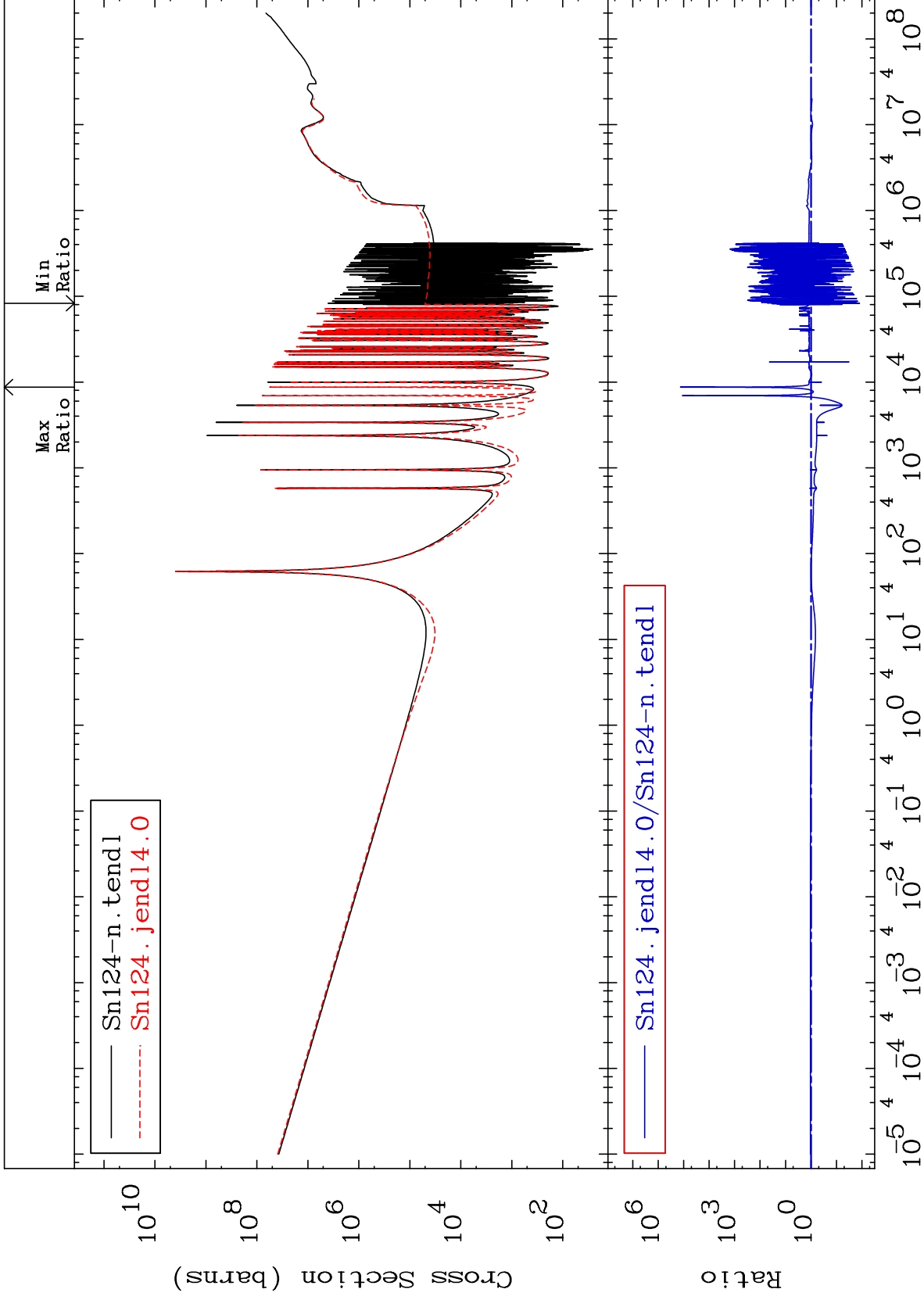


MAT 5061

Kerma elastic
Cross Section

50-Sn-124
-98.17 To 9999. %

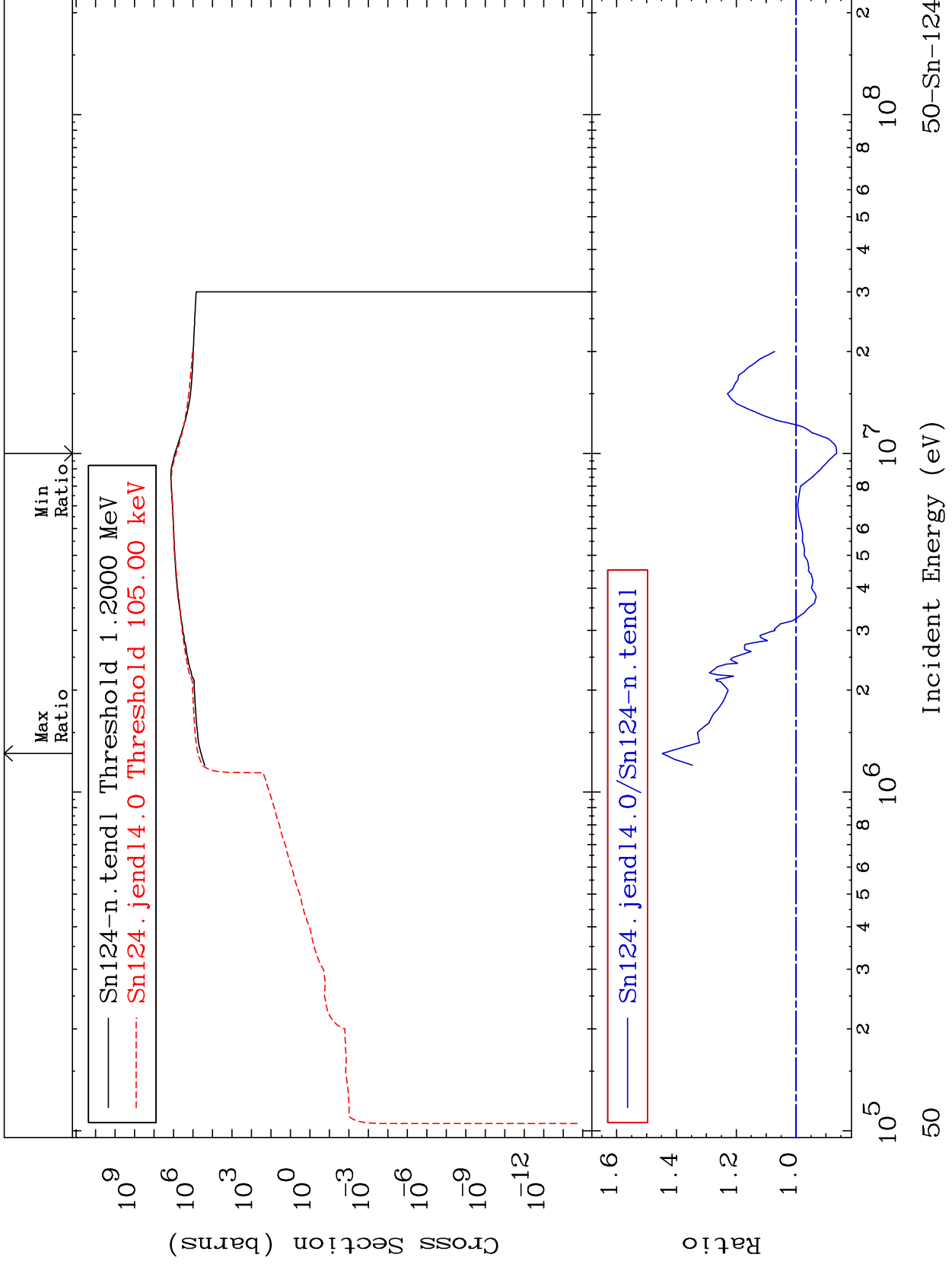




MAT 5061

Kerma inelastic (mt51-91)
Cross Section

50-Sn-124
-13.57 To 44.73 %



50

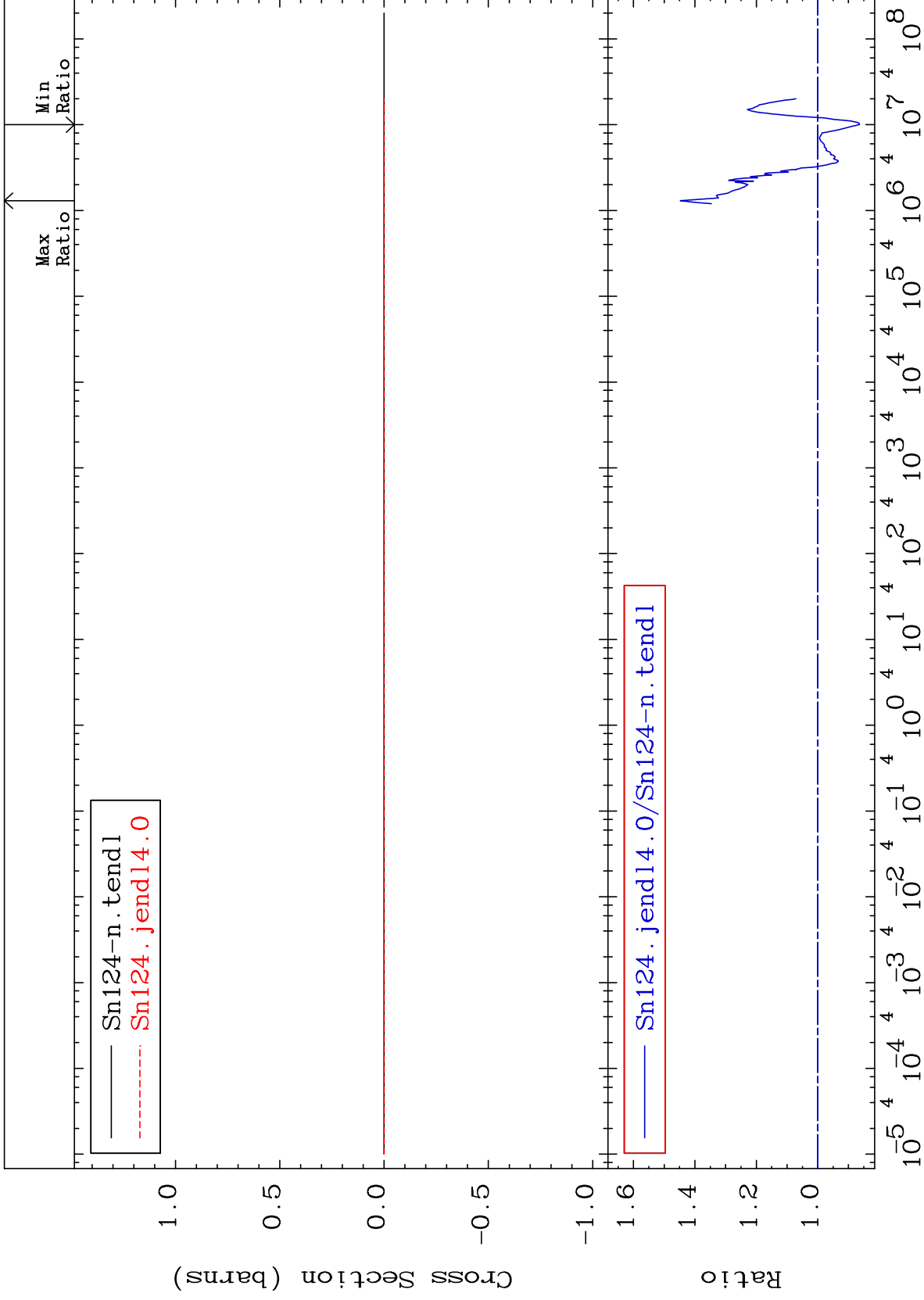
Incident Energy (eV)

50-Sn-124

MAT 5061

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

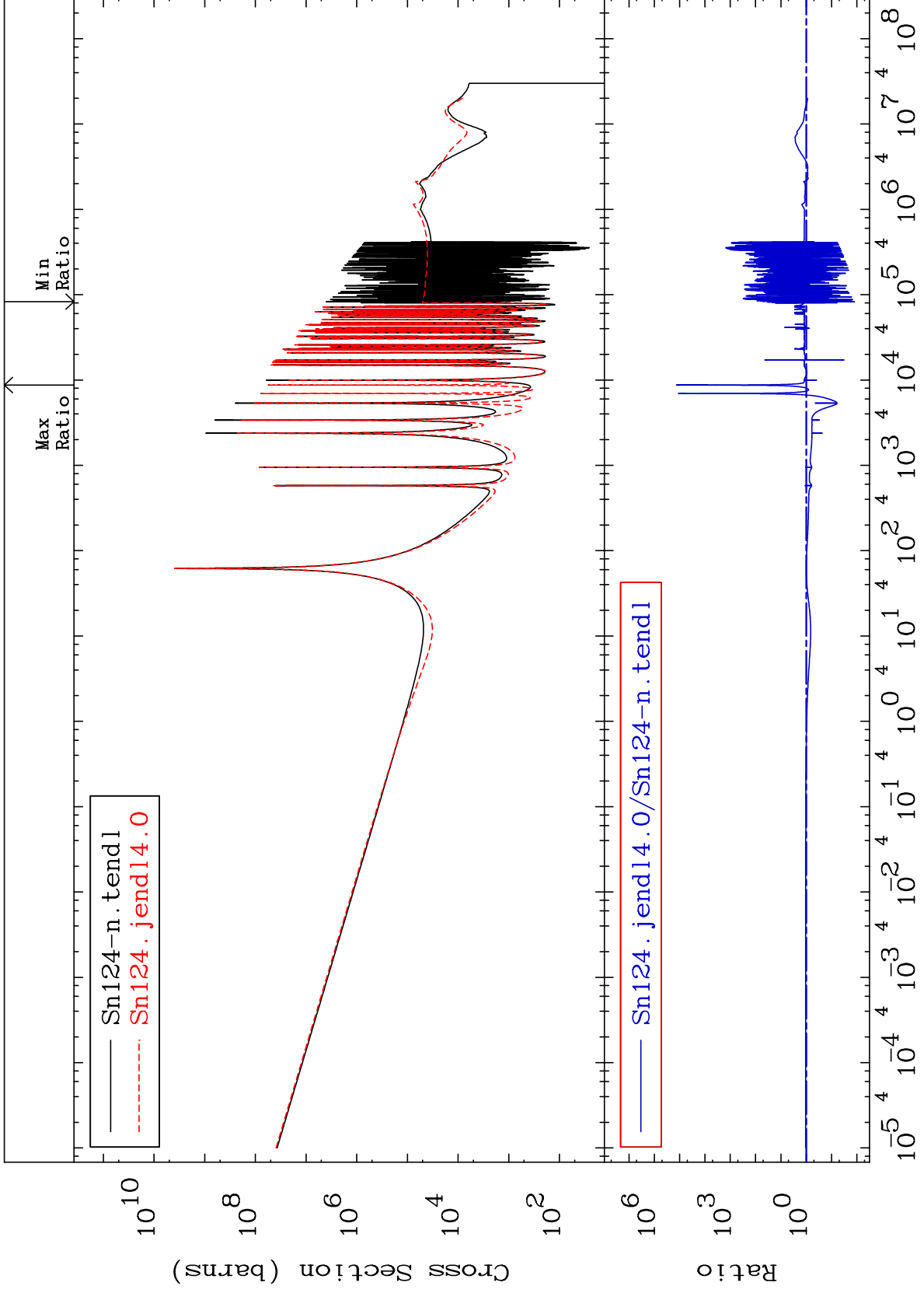
50-Sn-124
-13.57 To 44.73 %



MAT 5061

Kerma capture (mt102)
Cross Section

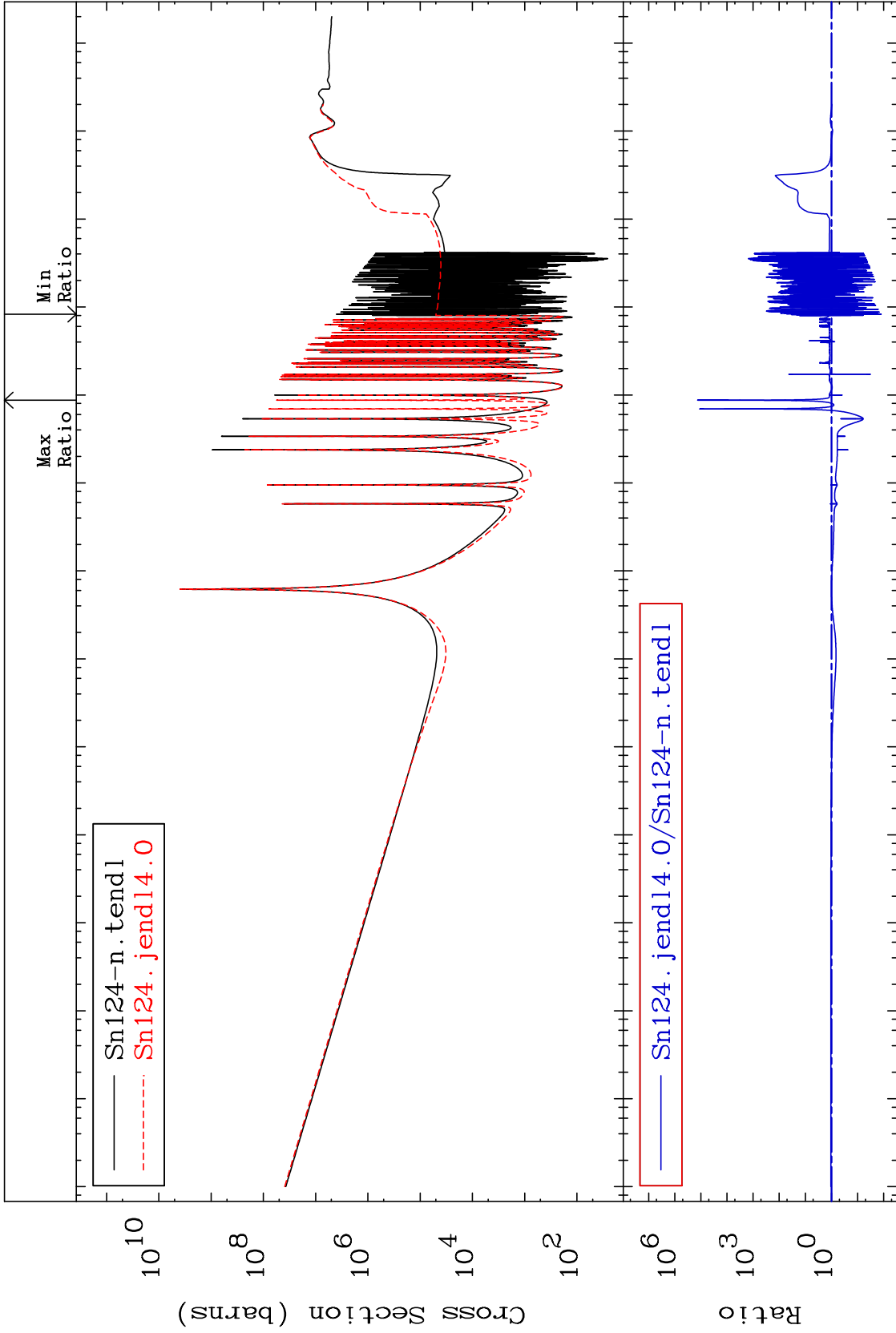
50-Sn-124
-98.74 To 9999. %



MAT 5061

Total photon (eV-barns)
Cross Section

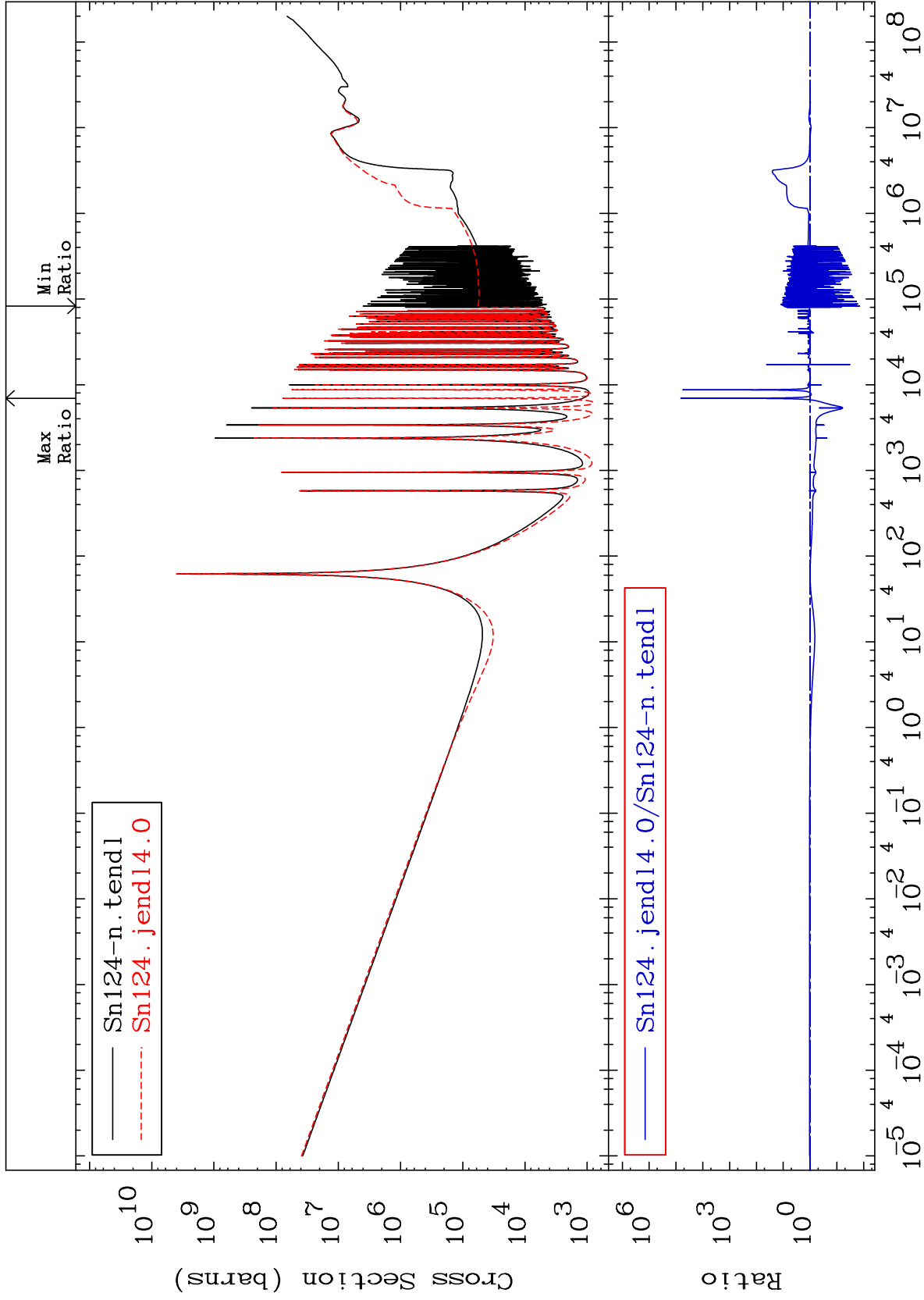
50-Sn-124
-98.74 To 9999. %



MAT 5061

Total kinematic kerma (high limit)
Cross Section

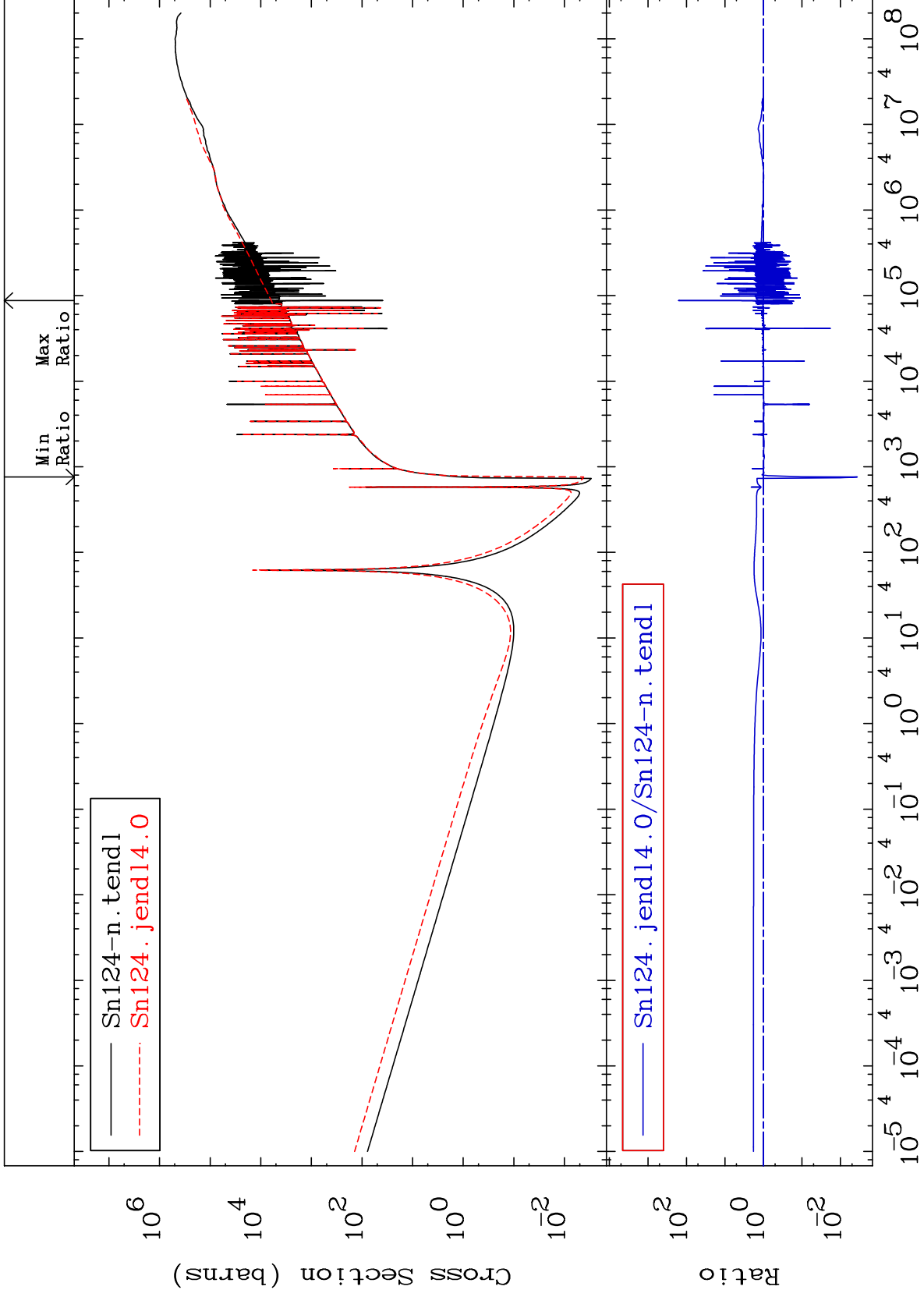
50-Sn-124
-98.57 To 9999. %



MAT 5061

Dpa total (eV-barns)
Cross Section

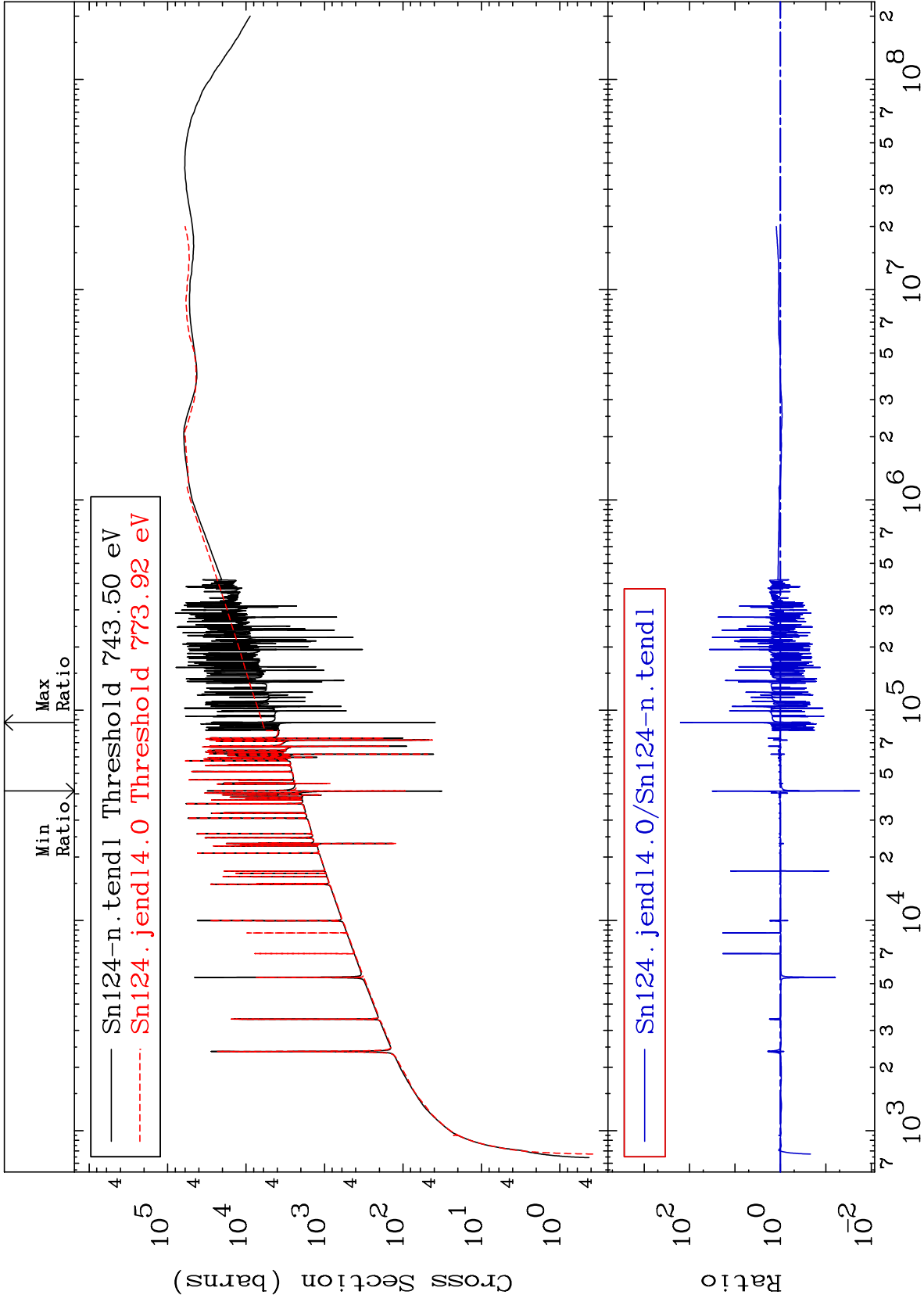
50-Sn-124
-99.63 To 9999. %



MAT 5061

Dpa elastic (mt2)
Cross Section

50-Sn-124
-98.17 To 9999. %



56

Incident Energy (eV)

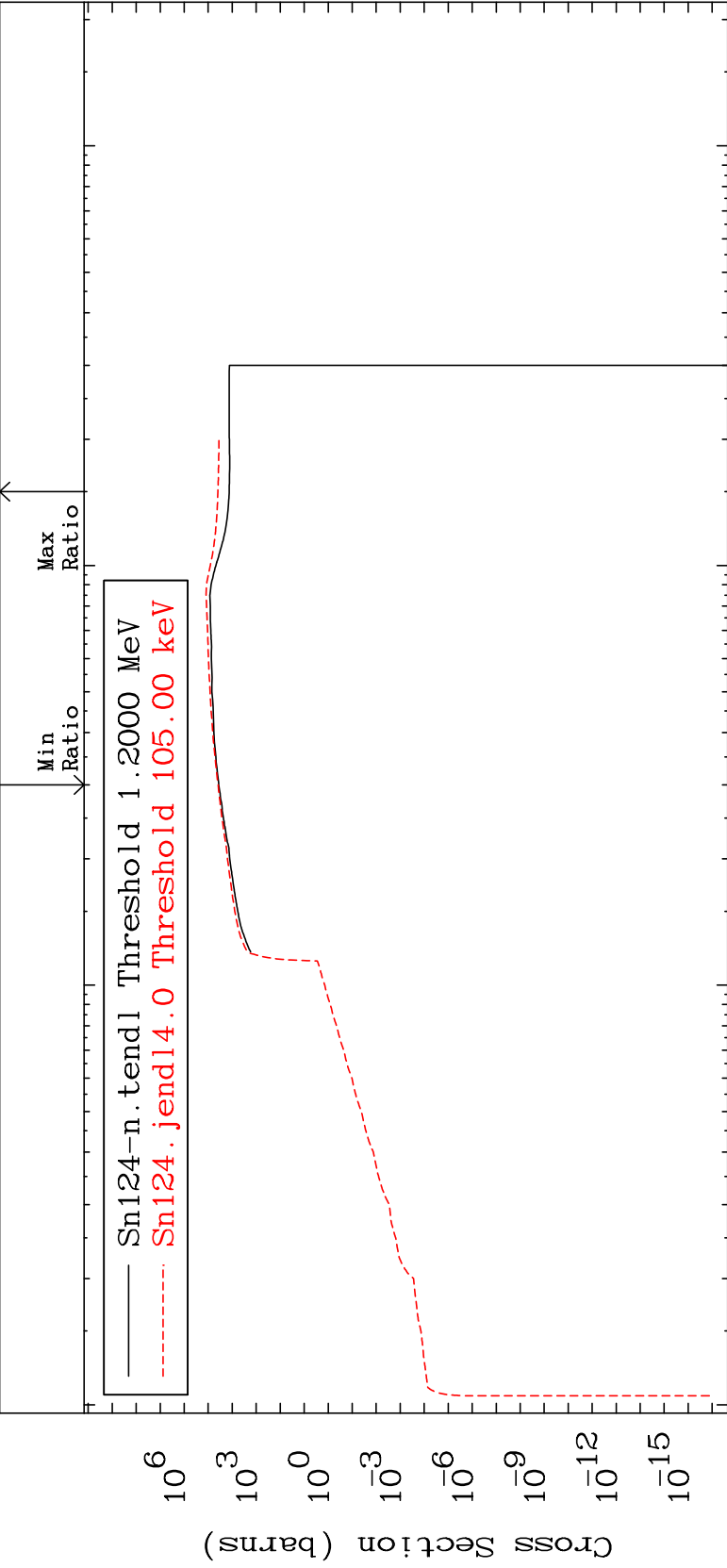
50-Sn-124

MAT 5061

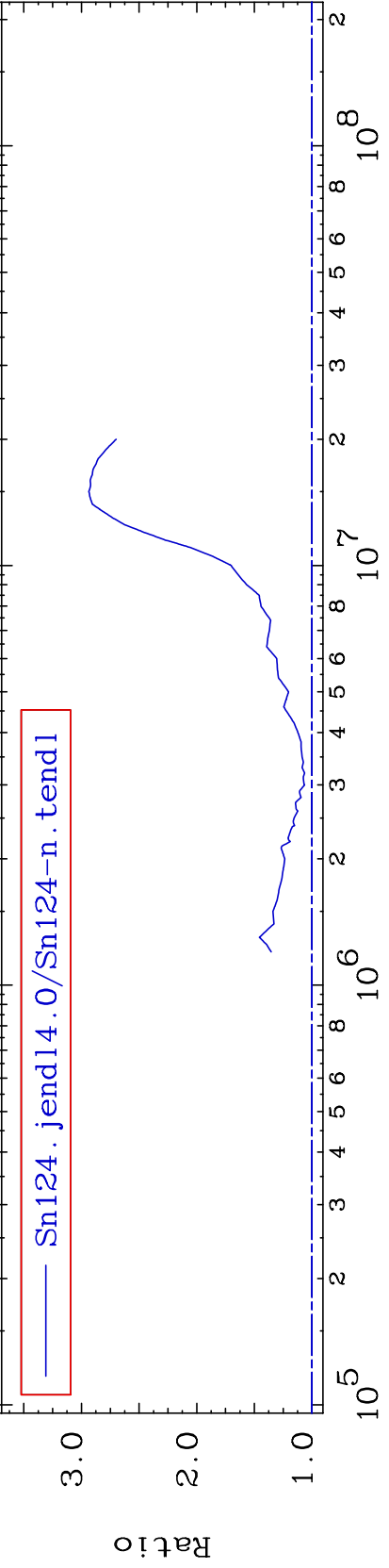
Dpa inelastic (mt51-91)
Cross Section

50-Sn-124
6.400 To 193.6 %

— Sn124-n.tendl Threshold 1.2000 MeV
- - - Sn124.jendl4.0 Threshold 105.00 keV



— Sn124.jendl4.0/Sn124-n.tendl



57

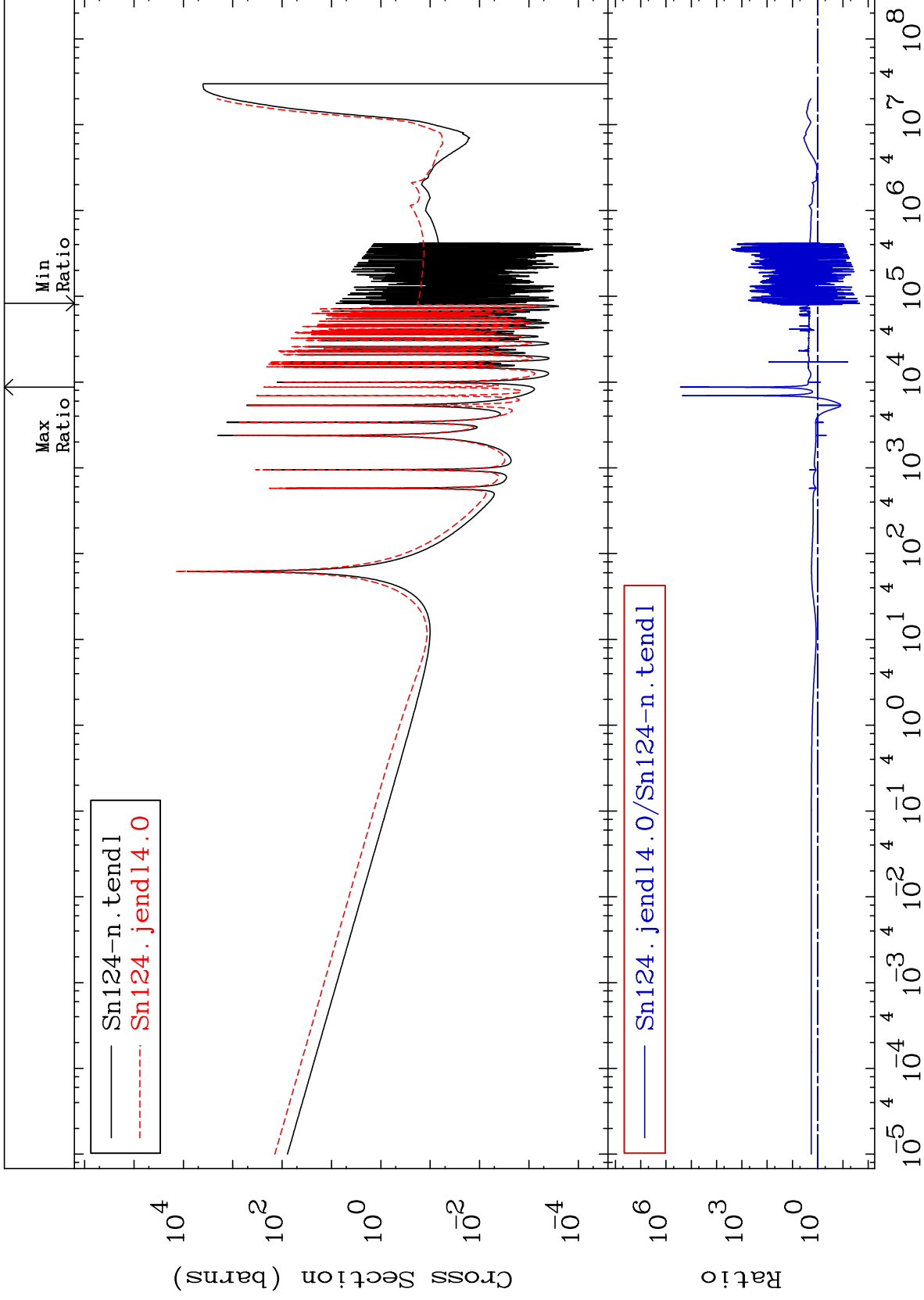
Incident Energy (eV)

50-Sn-124

MAT 5061

Dpa disappearance (mt102 -120)
Cross Section

50-Sn-124
-97.76 To 9999. %



58

50-Sn-124