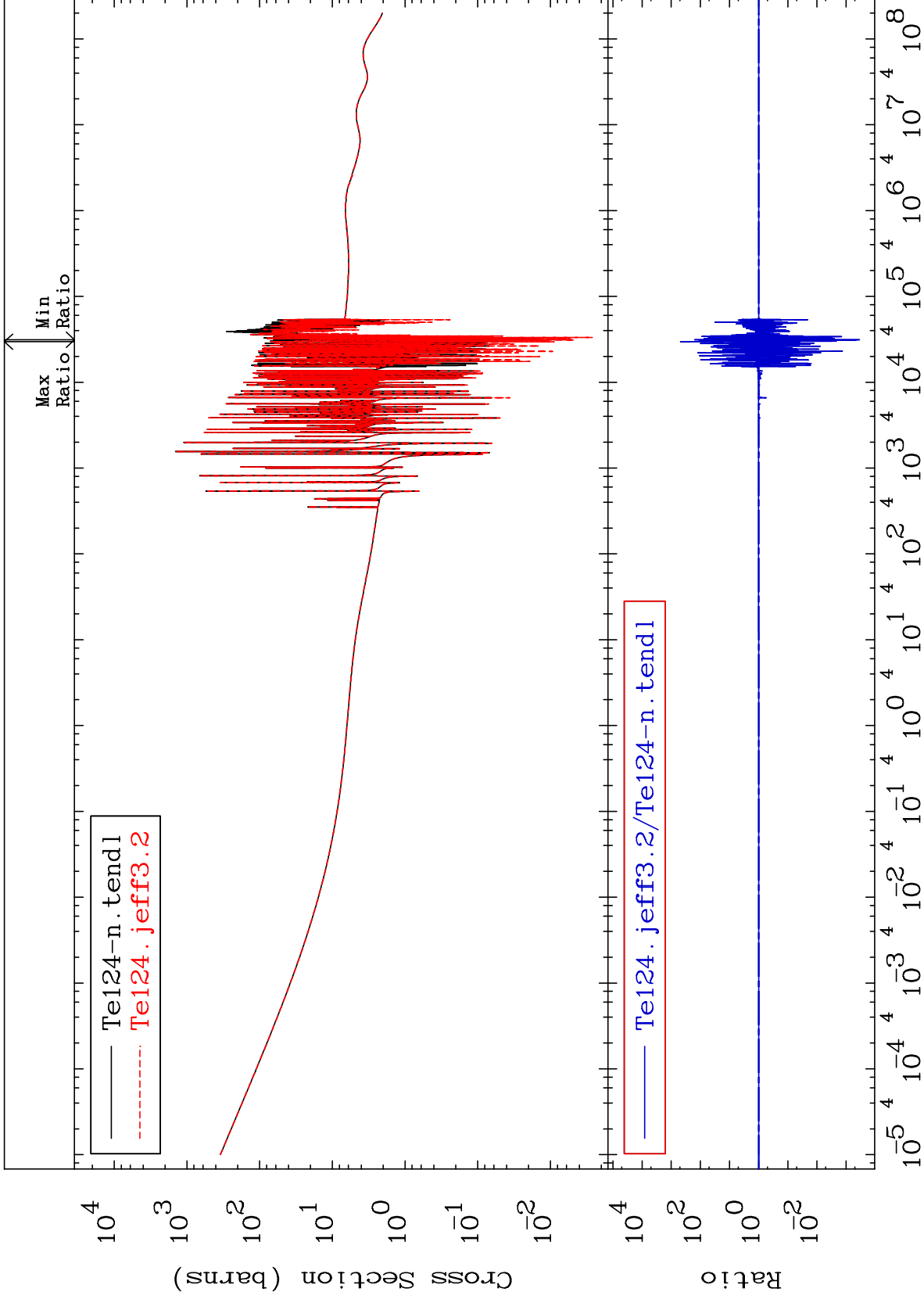


MAT 5237

Total
Cross Section

52-Te-124
-99.97 To 9999. %



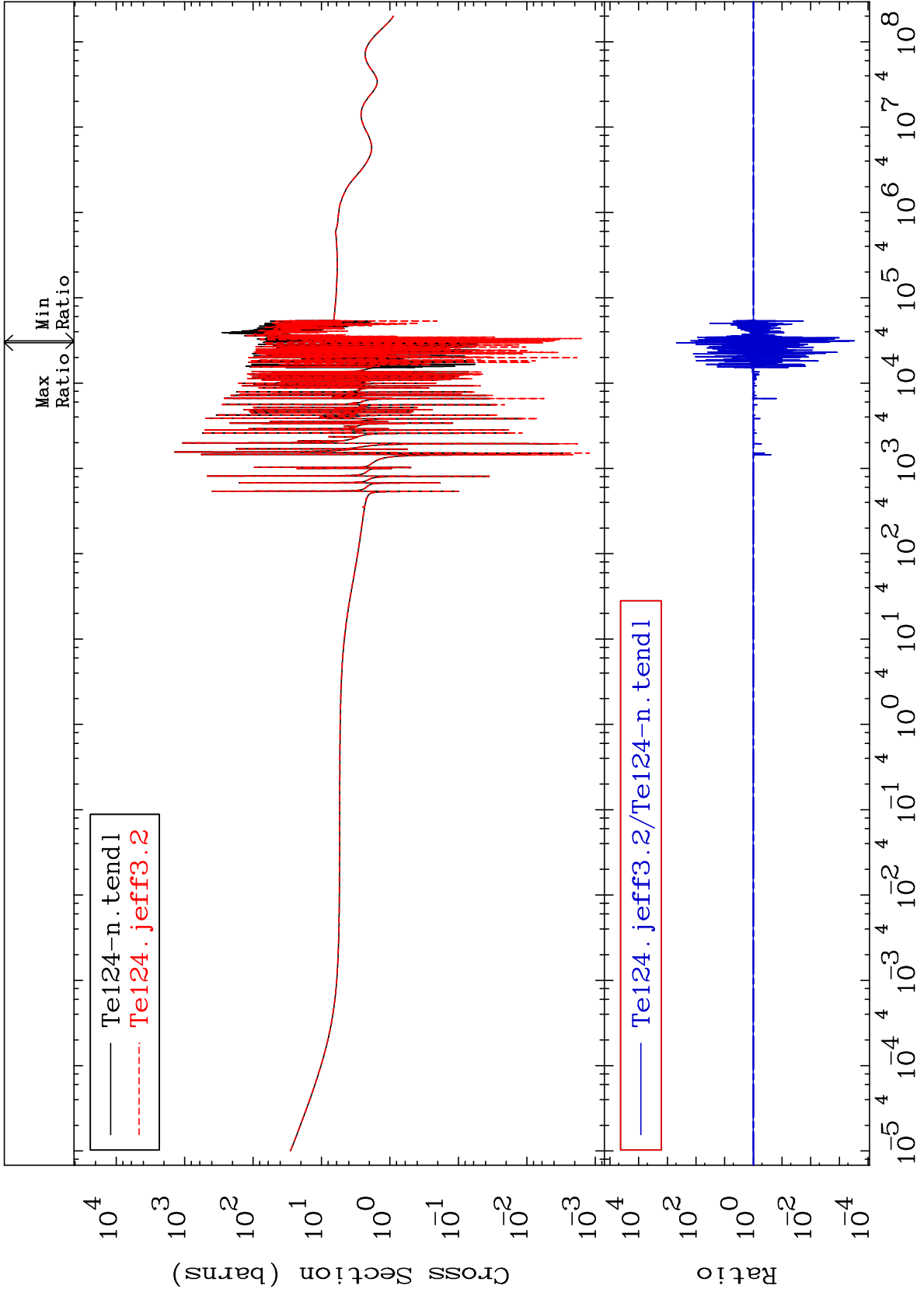
Incident Energy (eV)

52-Te-124

MAT 5237

Elastic
Cross Section

52-Te-124
-99.97 To 9999. %



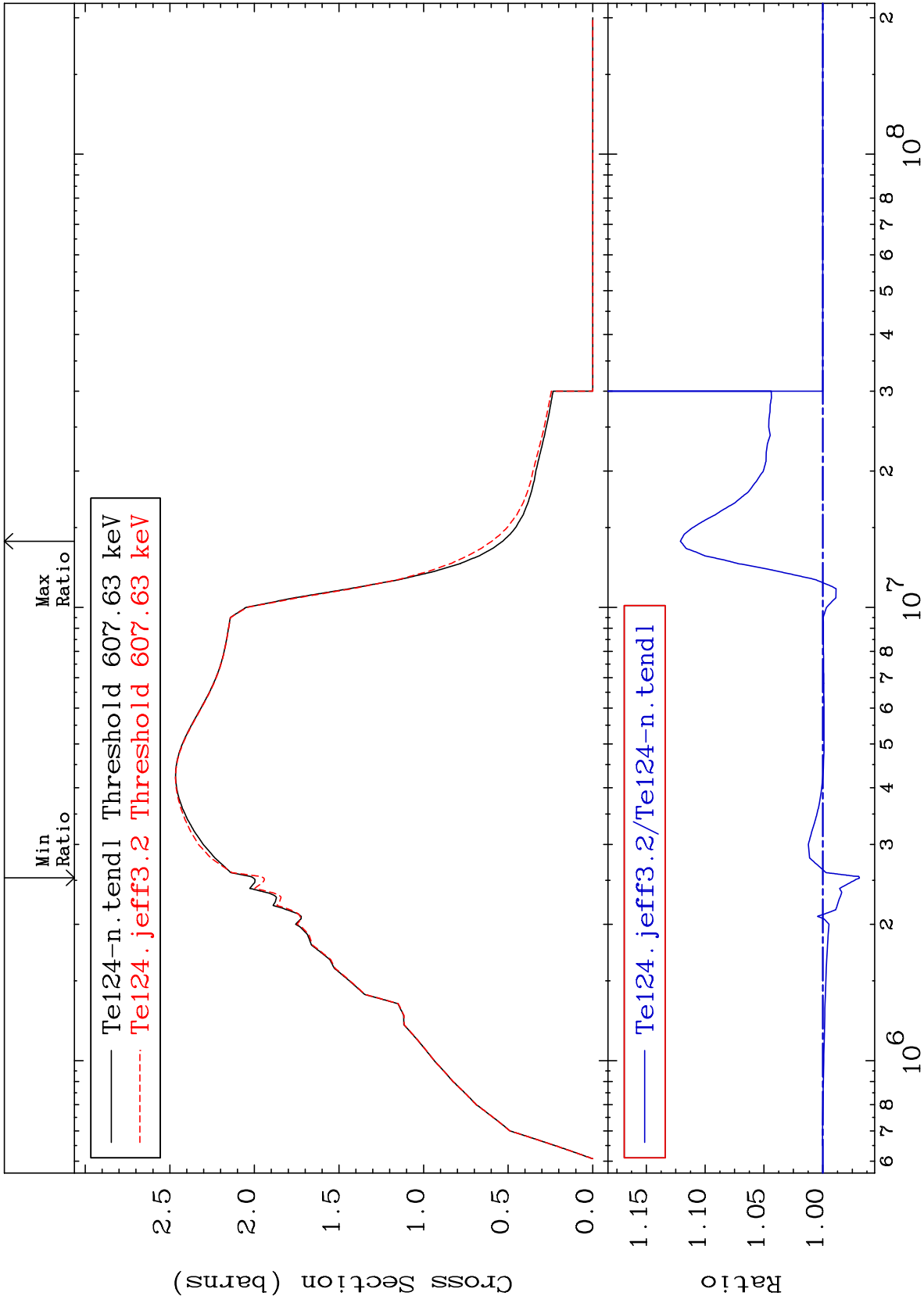
2

Incident Energy (eV)

52-Te-124

MAT 5237

Inelastic Cross Section
52-Te-124
-3.110 To 12.11 %



3

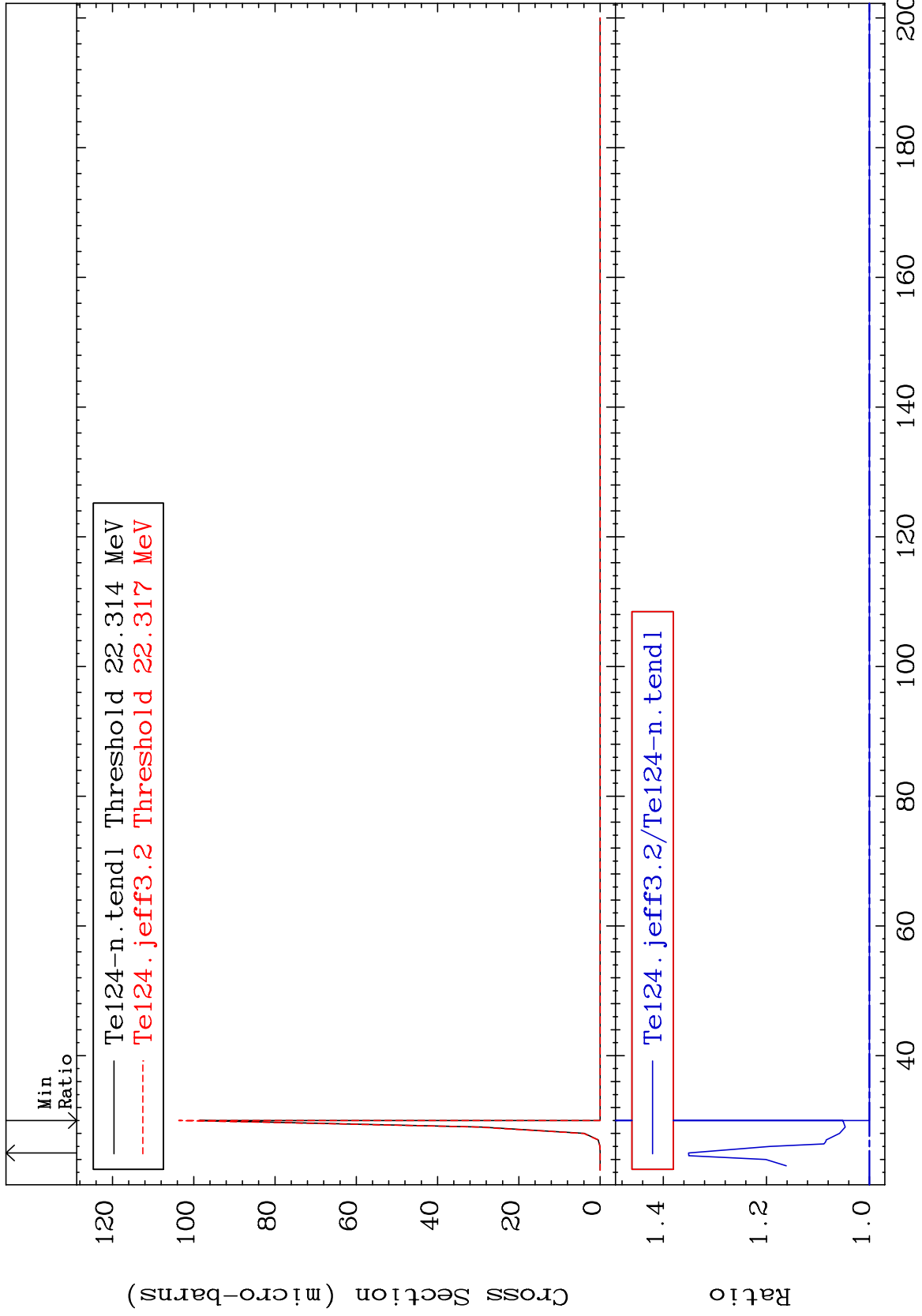
Incident Energy (eV)

52-Te-124

MAT 5237

(n,2n) d
Cross Section

52-Te-124
0.000 To 35.10 %



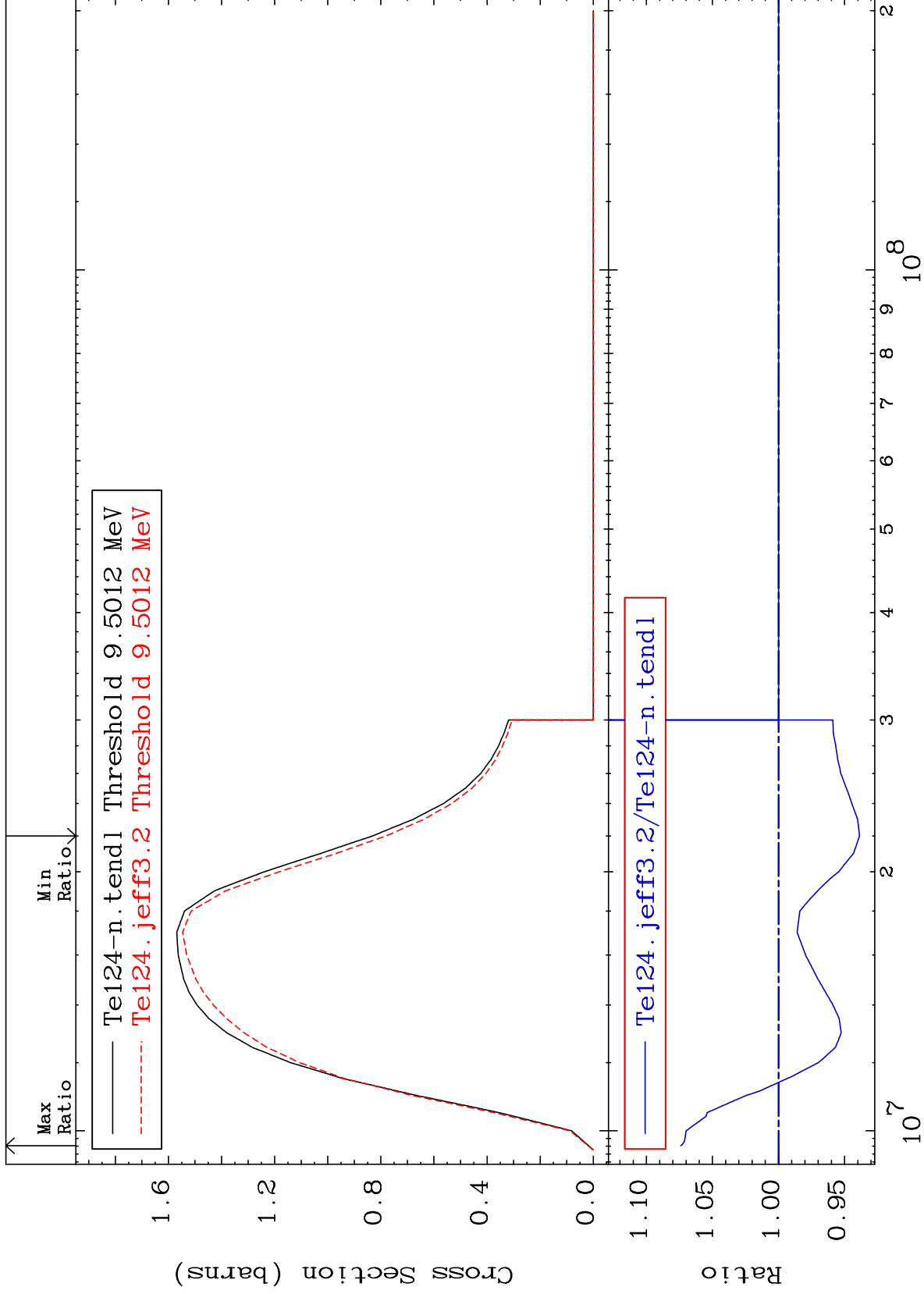
Incident Energy (MeV)

52-Te-124

MAT 5237

(n,2n)
Cross Section

52-Te-124
-6.129 To 7.398 %



52-Te-124

MAT 5237

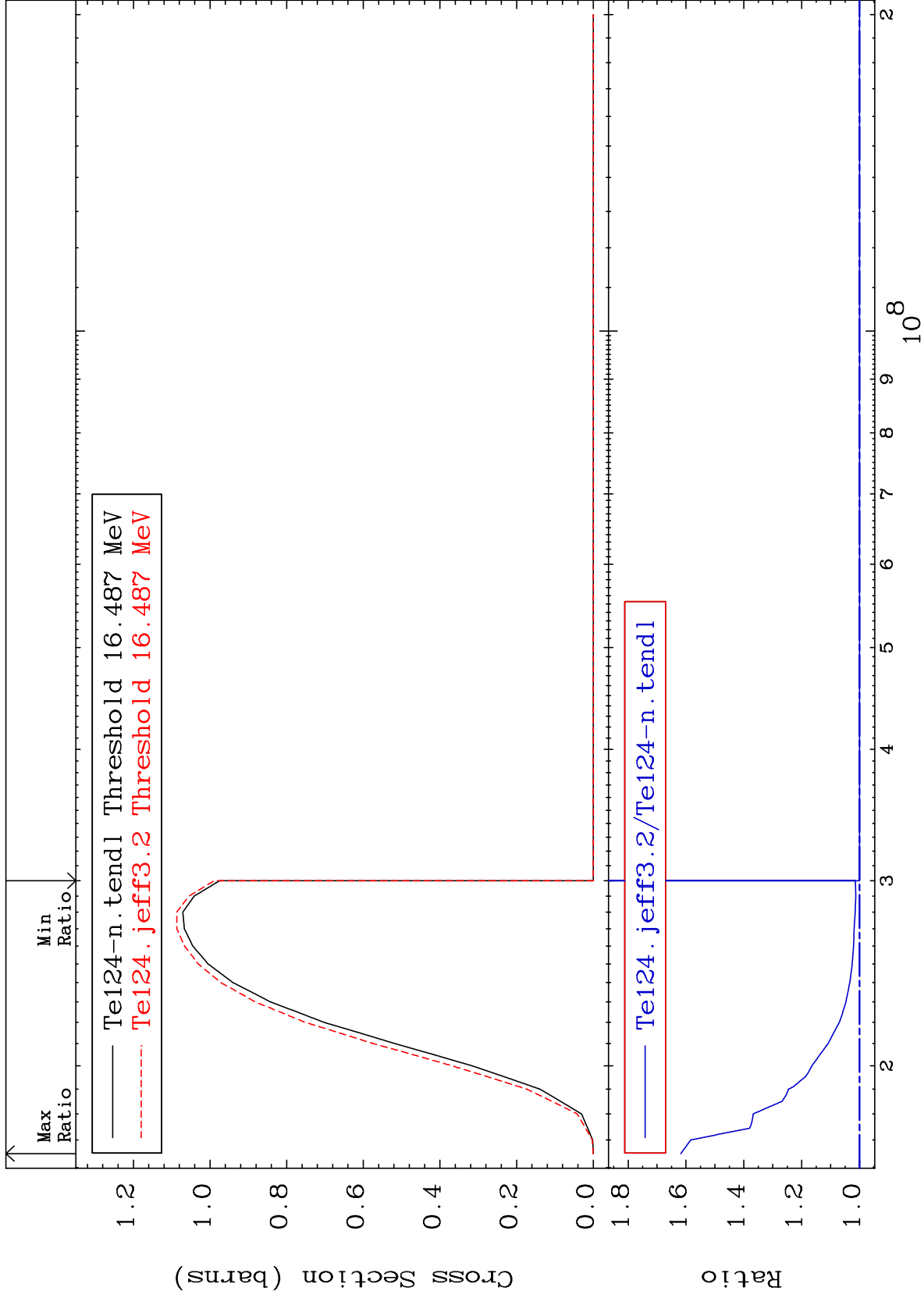
(n,3n)

52-Te-124

Cross Section

0.000

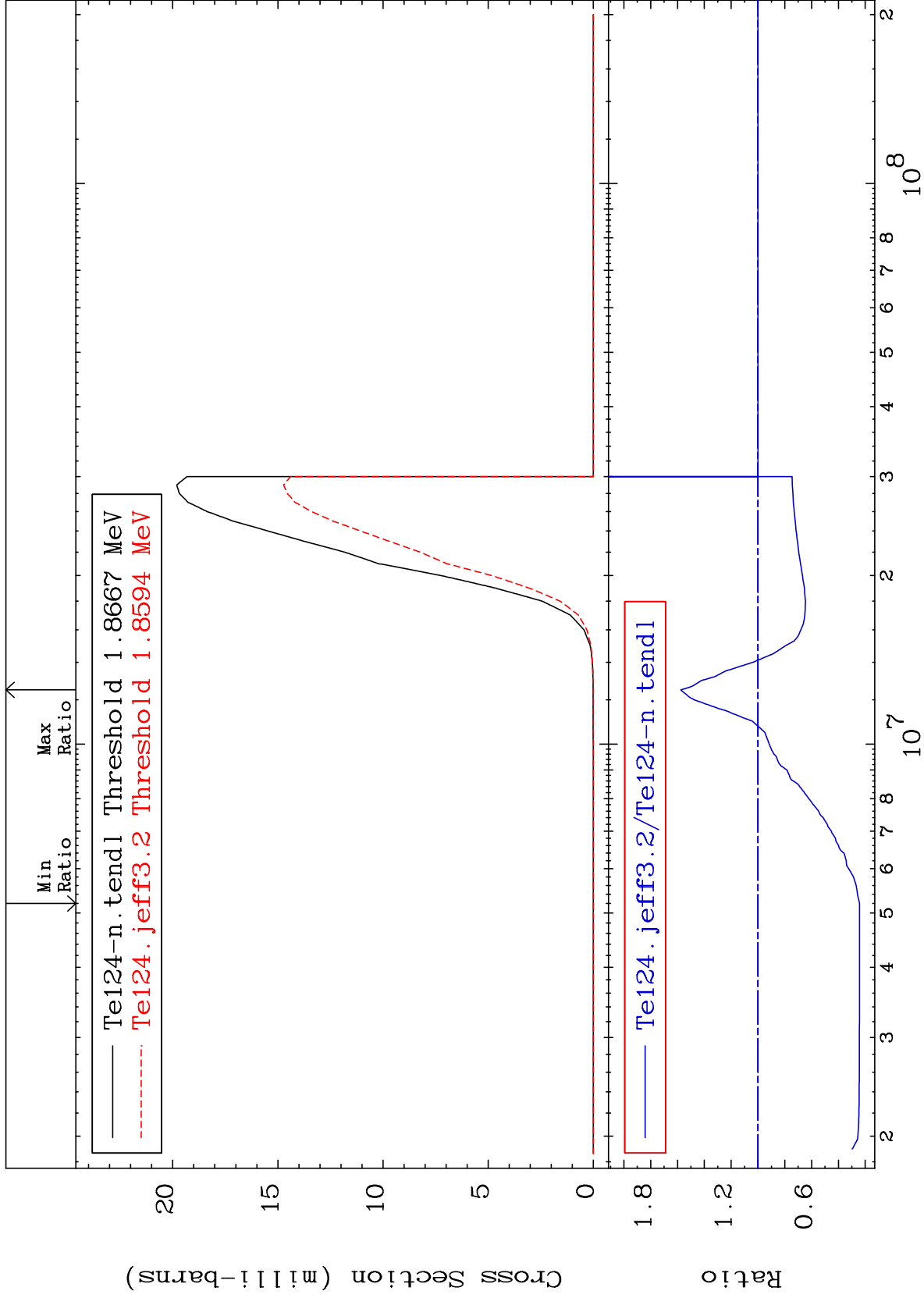
To 61.81 %



MAT 5237

52-Te-124

(n, n') α
Cross Section
-75.75 To 57.59 %



7

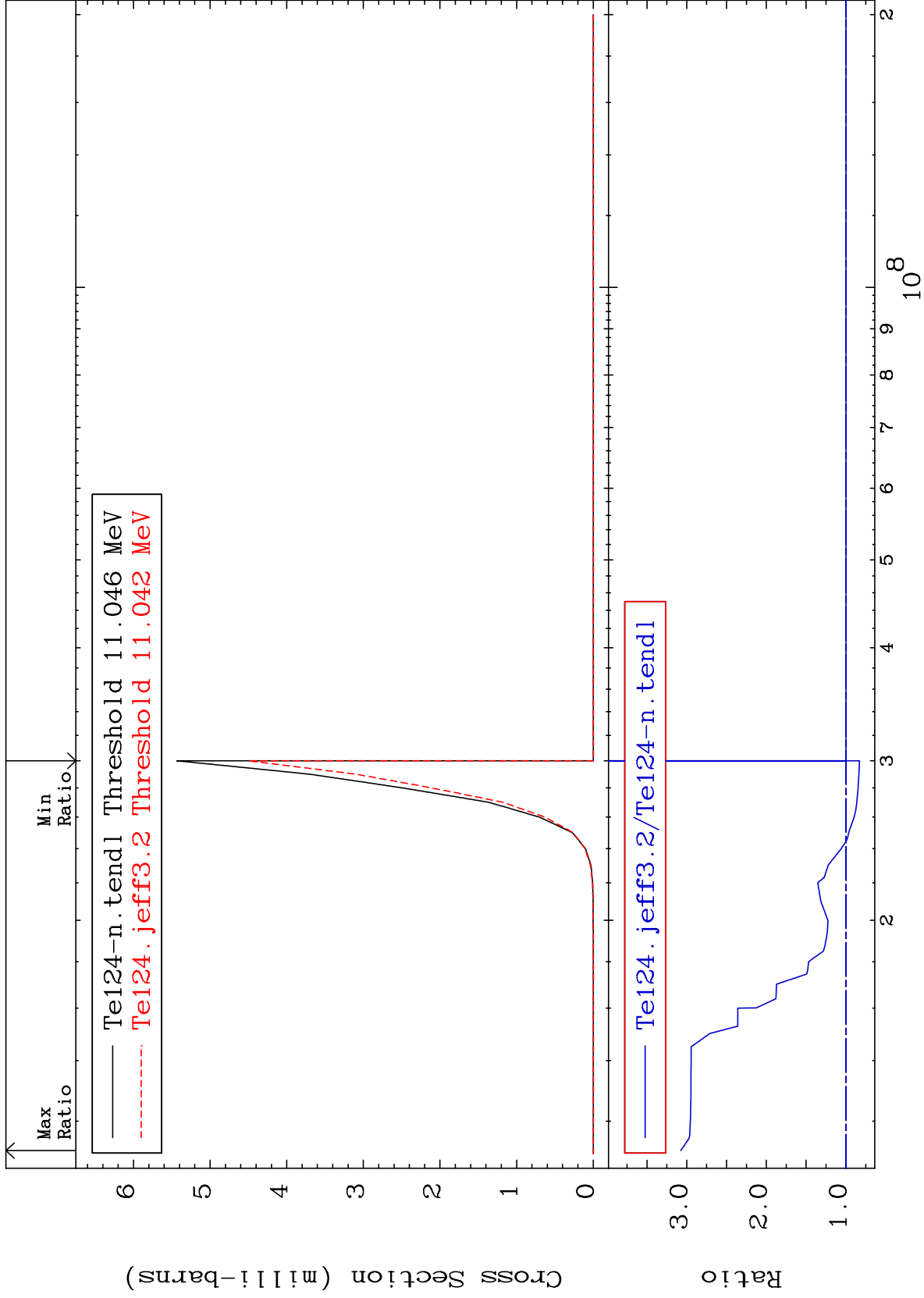
Incident Energy (eV)

52-Te-124

MAT 5237

(n,2n) α
Cross Section

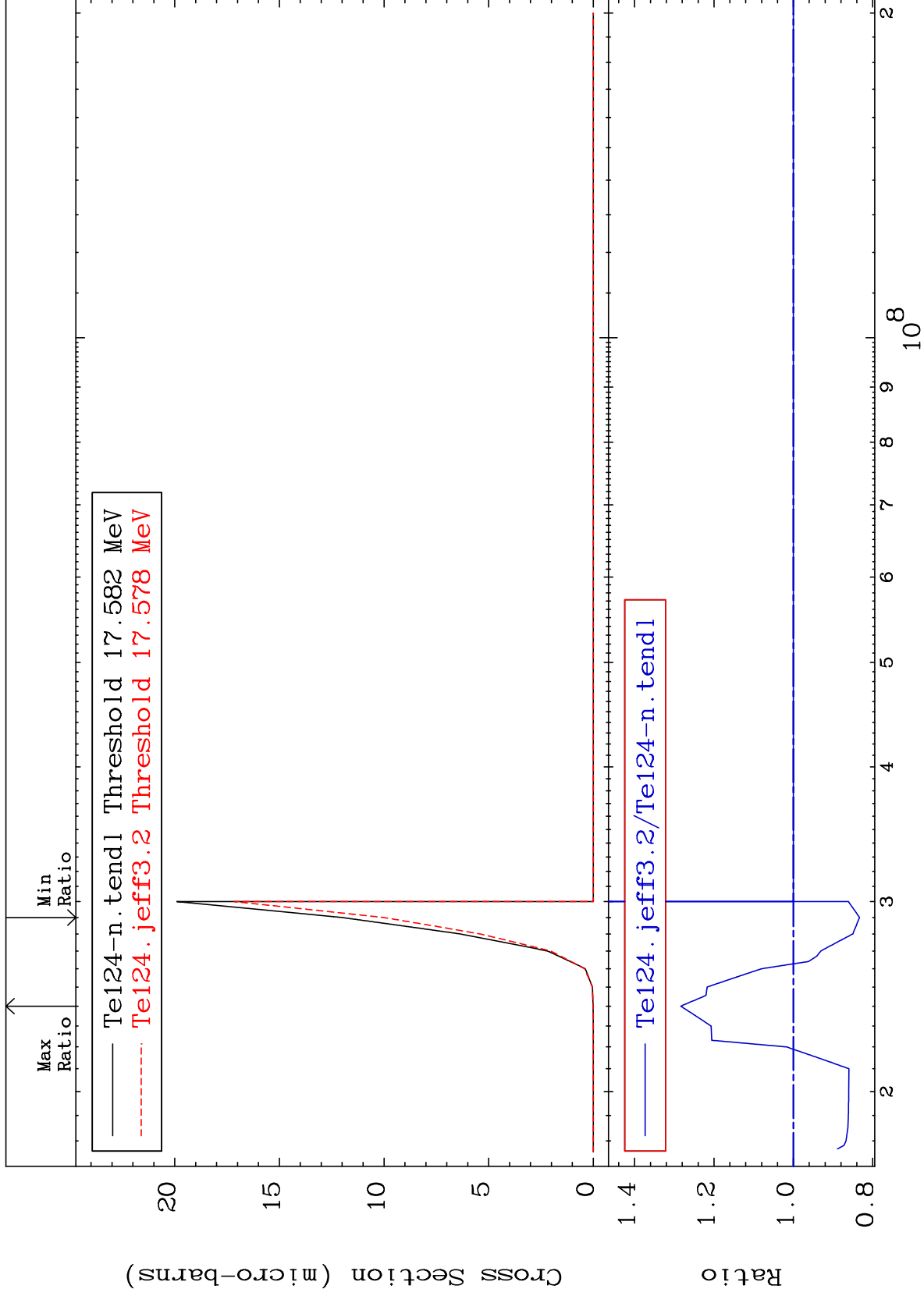
52-Te-124
-17.11 To 207.5 %



MAT 5237

(n,3n) α
Cross Section

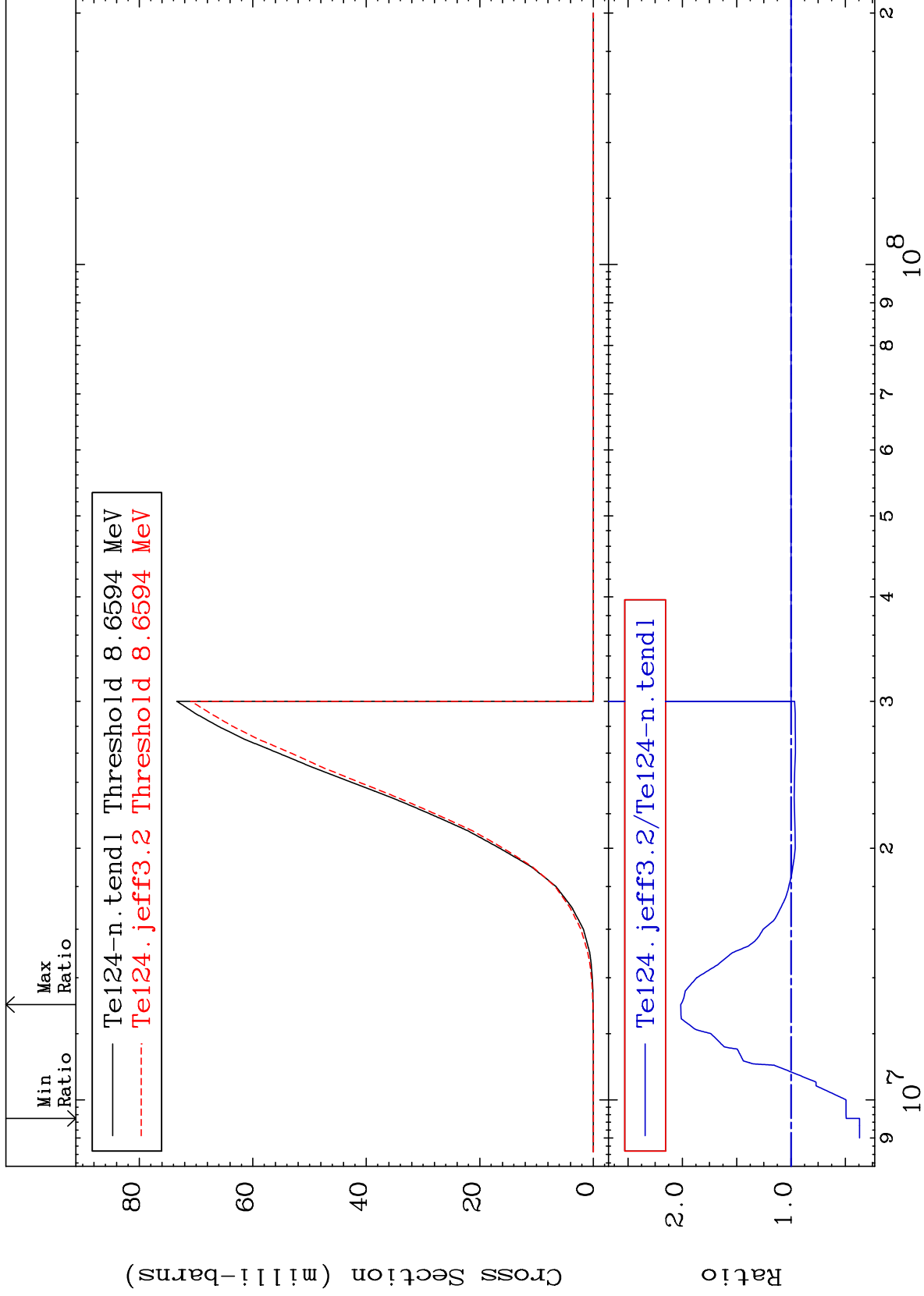
52-Te-124
-16.67 To 28.37 %



MAT 5237

(n, n') p
Cross Section

52-Te-124
-63.10 To 101.4 %



52-Te-124

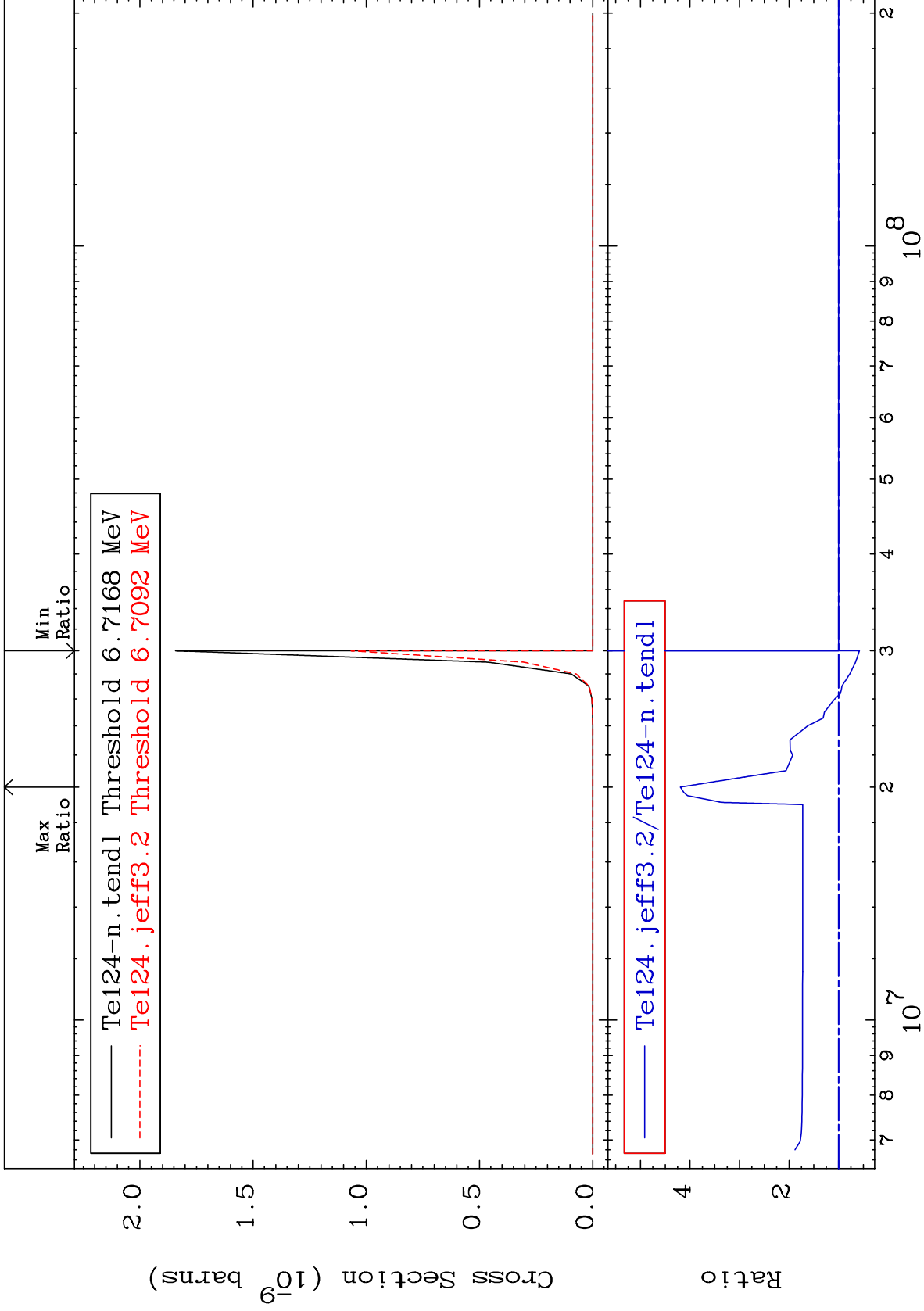
Incident Energy (eV)

10

MAT 5237

(n, n') 2α
Cross Section

52-Te-124
-42.09 To 319.5 %



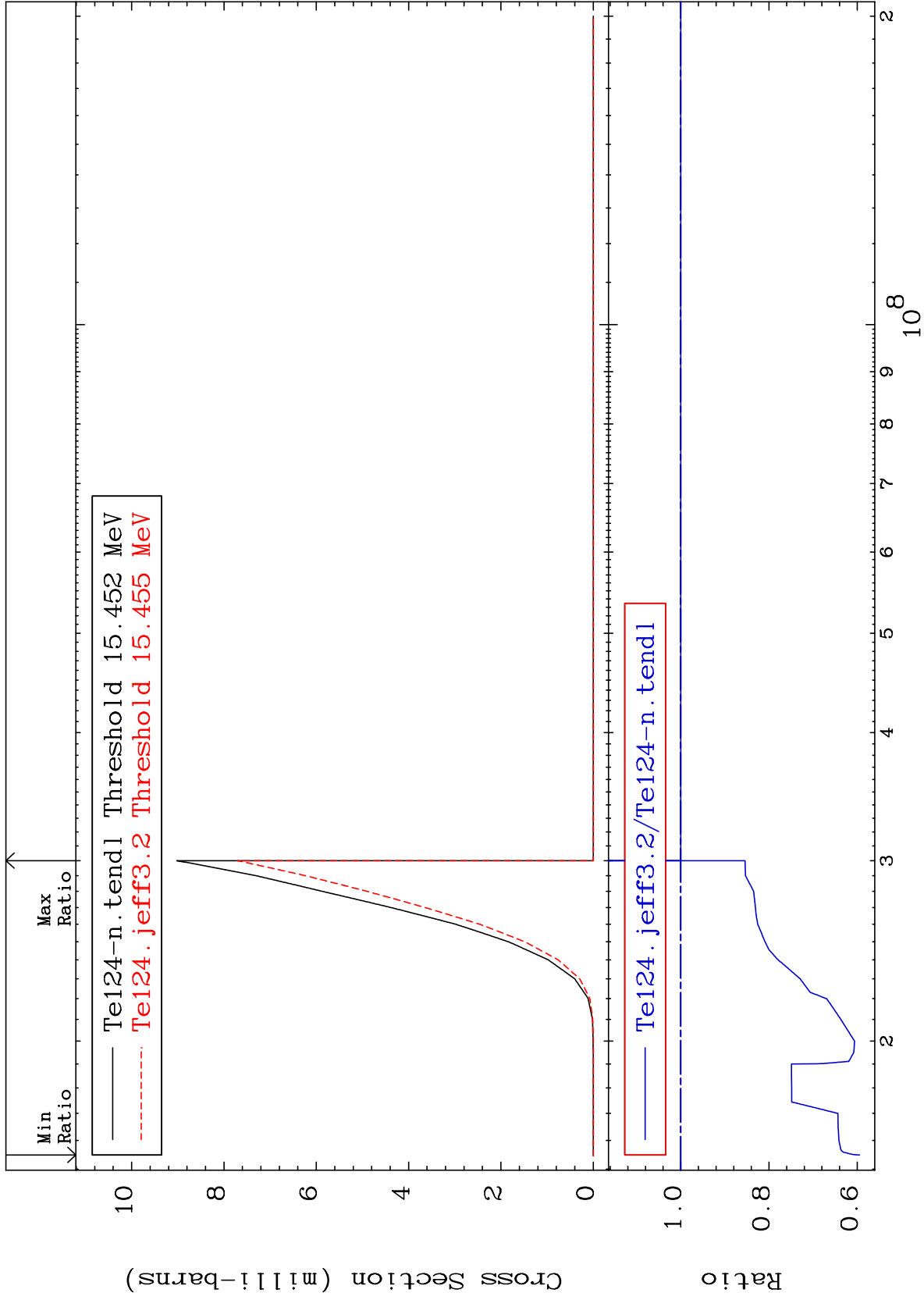
MAT 5237

(n, n') d

52-Te-124

Cross Section

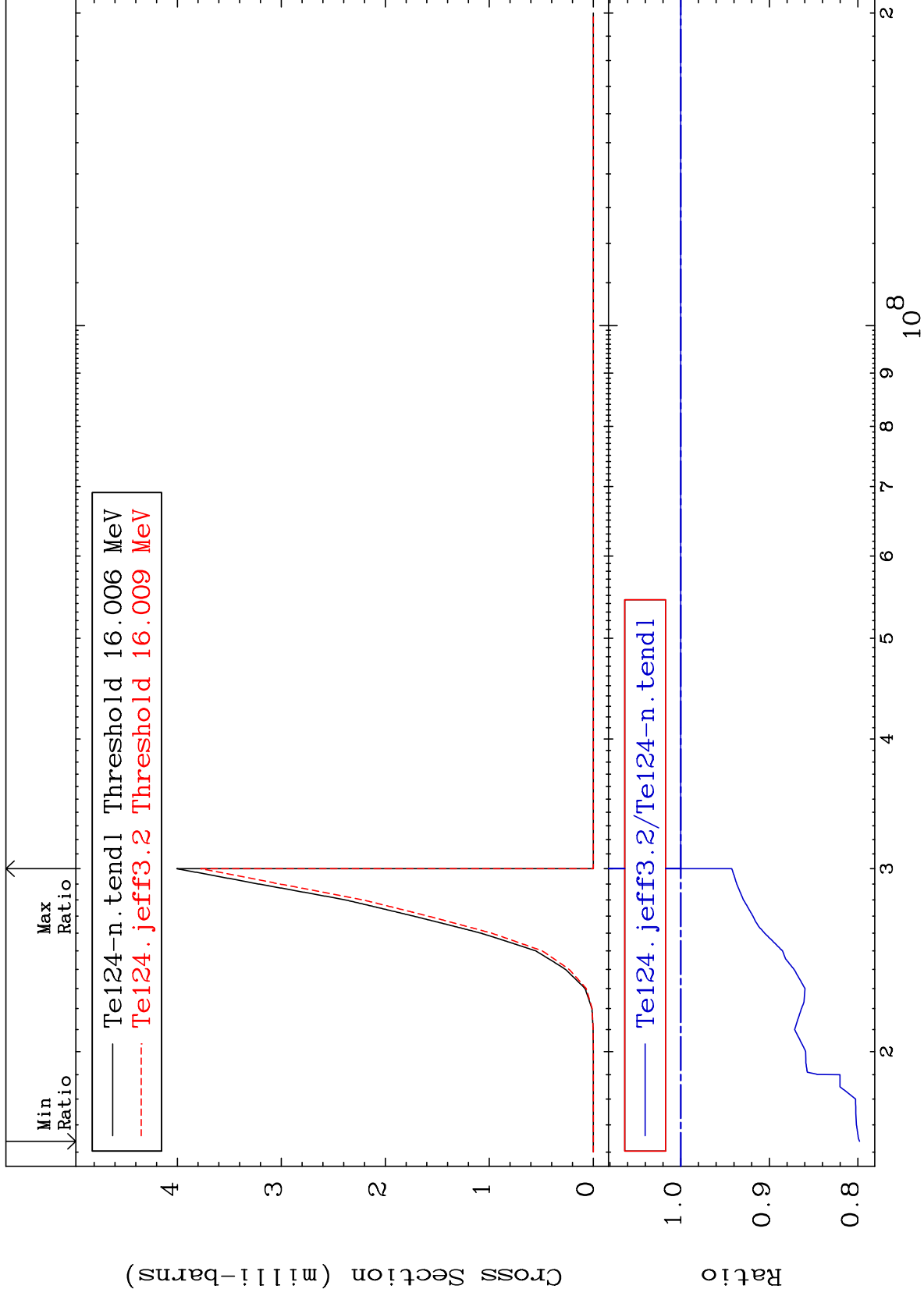
-40.52 To 0.000 %



12

Incident Energy (eV)

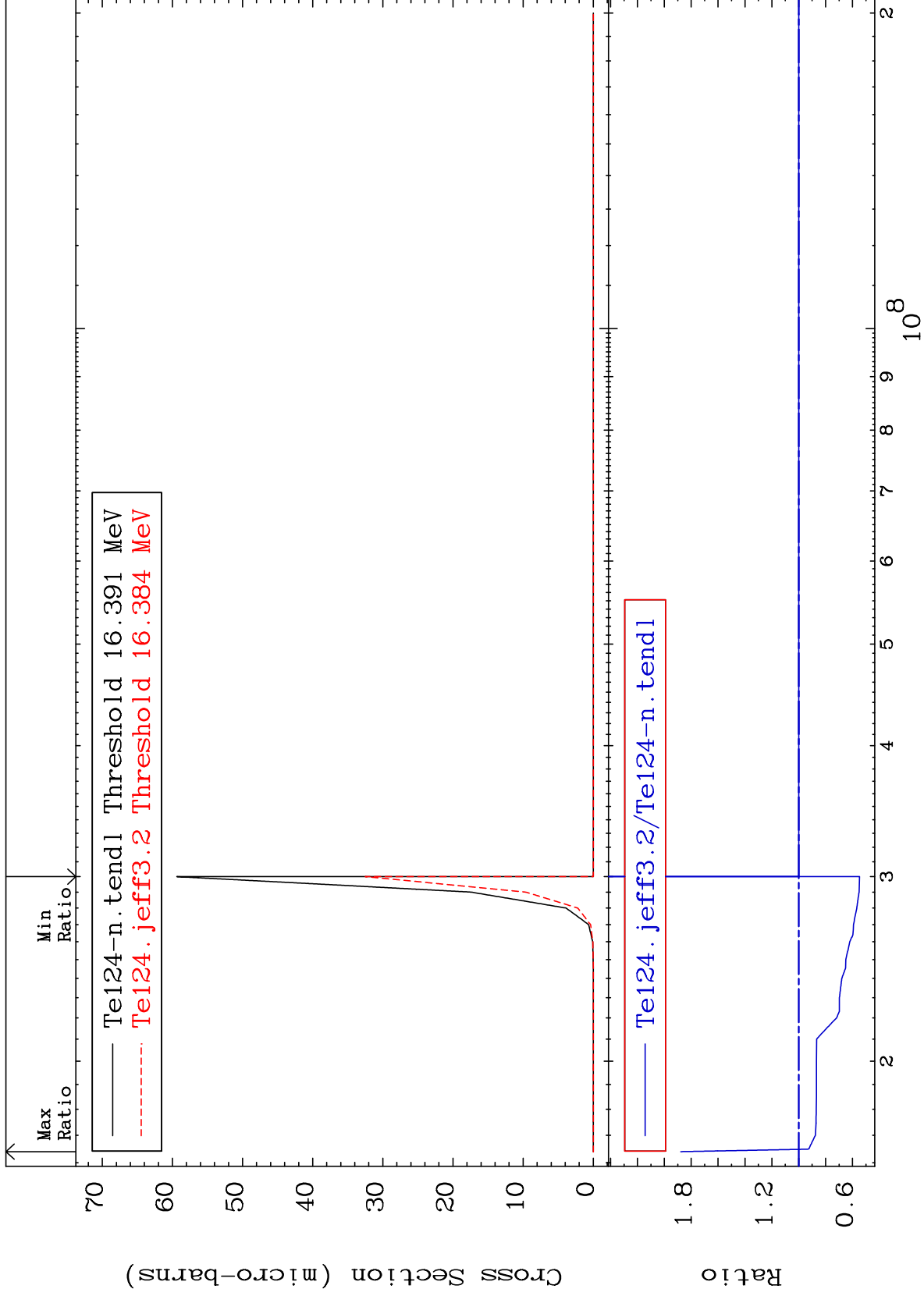
52-Te-124



MAT 5237

(n, n') He-3
Cross Section

52-Te-124
-45.26 To 87.77 %



14

Incident Energy (eV)

52-Te-124

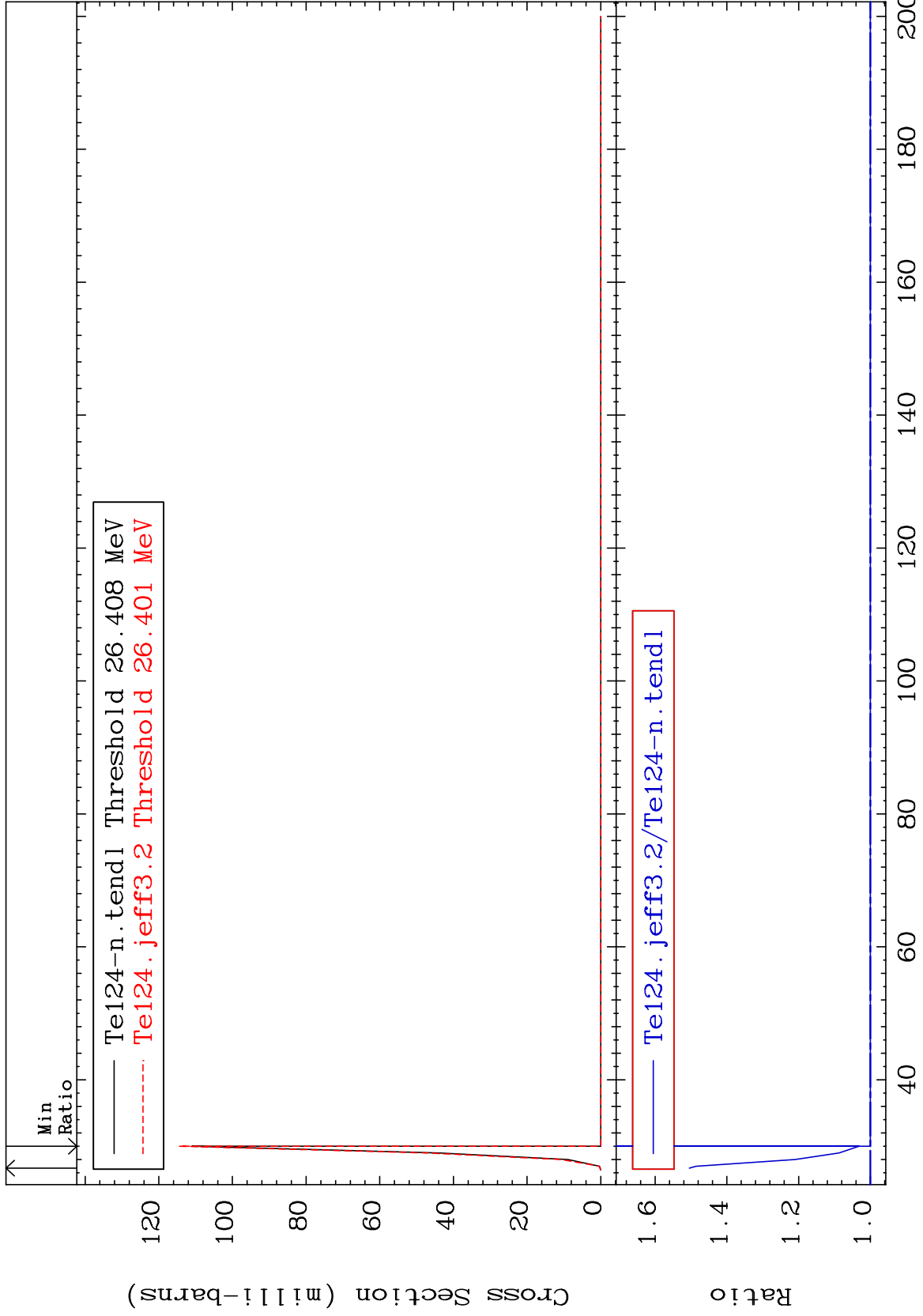
MAT 5237

(n,4n)

52-Te-124

Cross Section

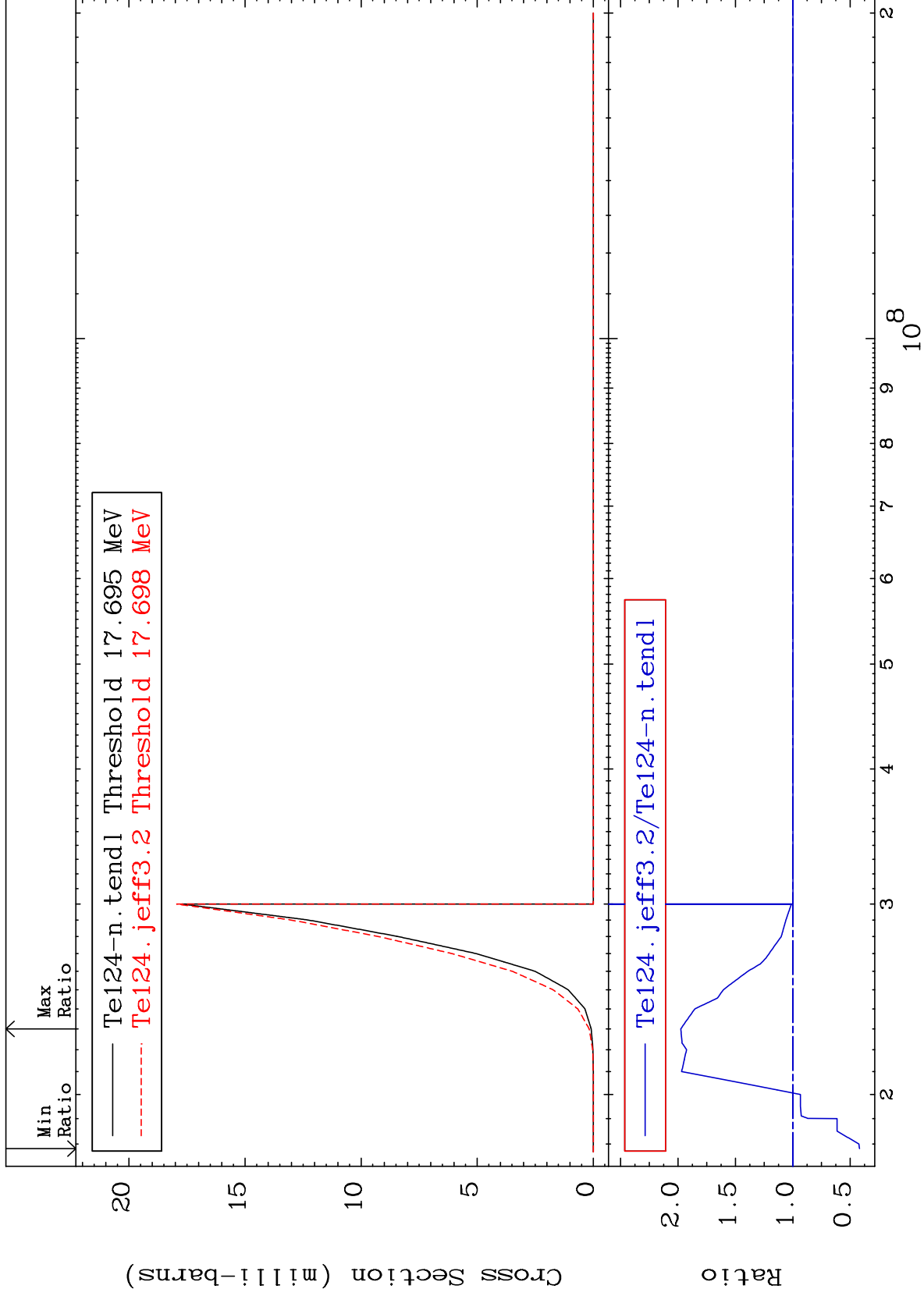
0.000 To 50.44 %



MAT 5237

(n,2n) p
Cross Section

52-Te-124
-58.09 To 97.57 %



16

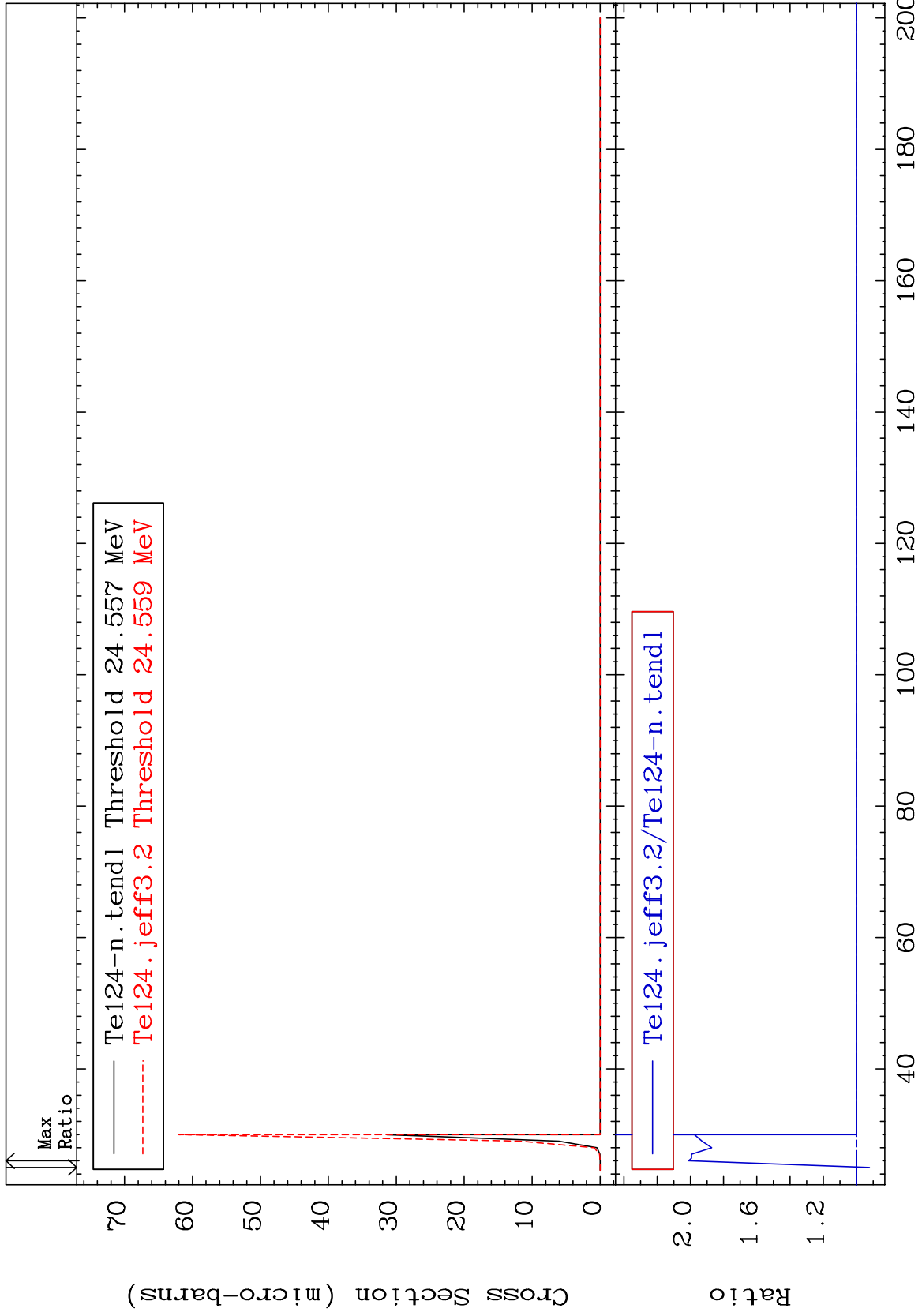
Incident Energy (eV)

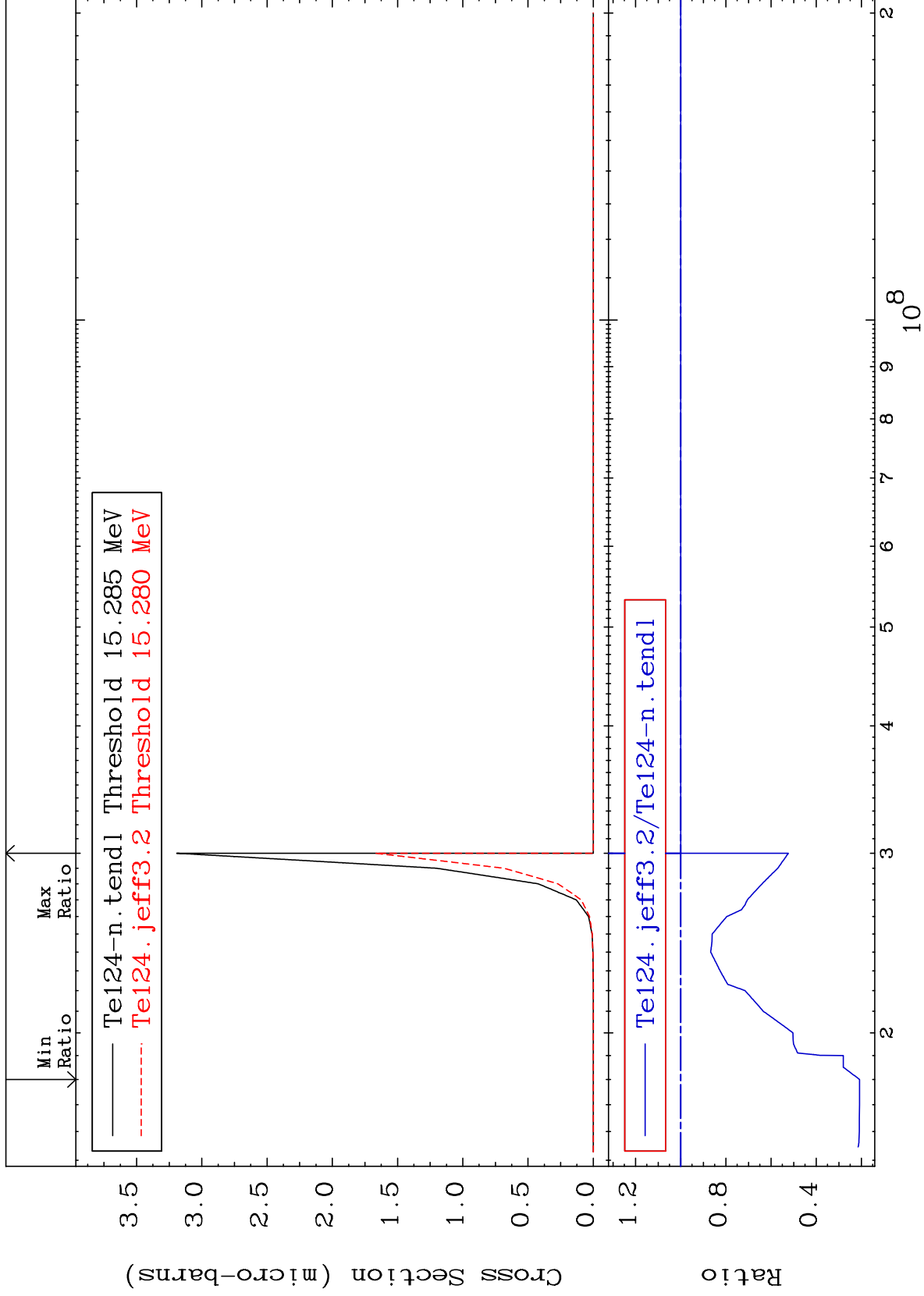
52-Te-124

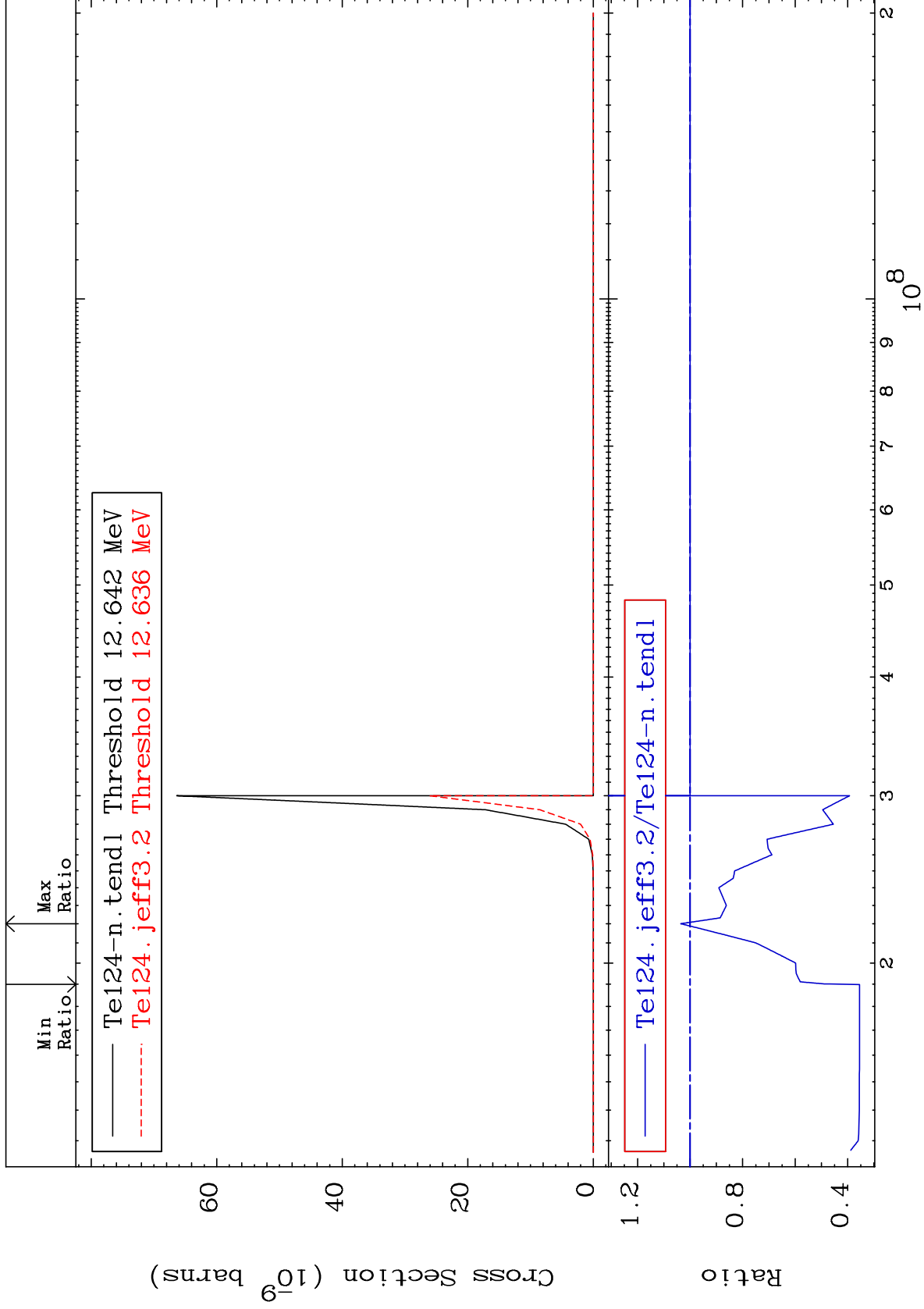
MAT 5237

(n,3n) p
Cross Section

52-Te-124
-7.718 To 101.1 %



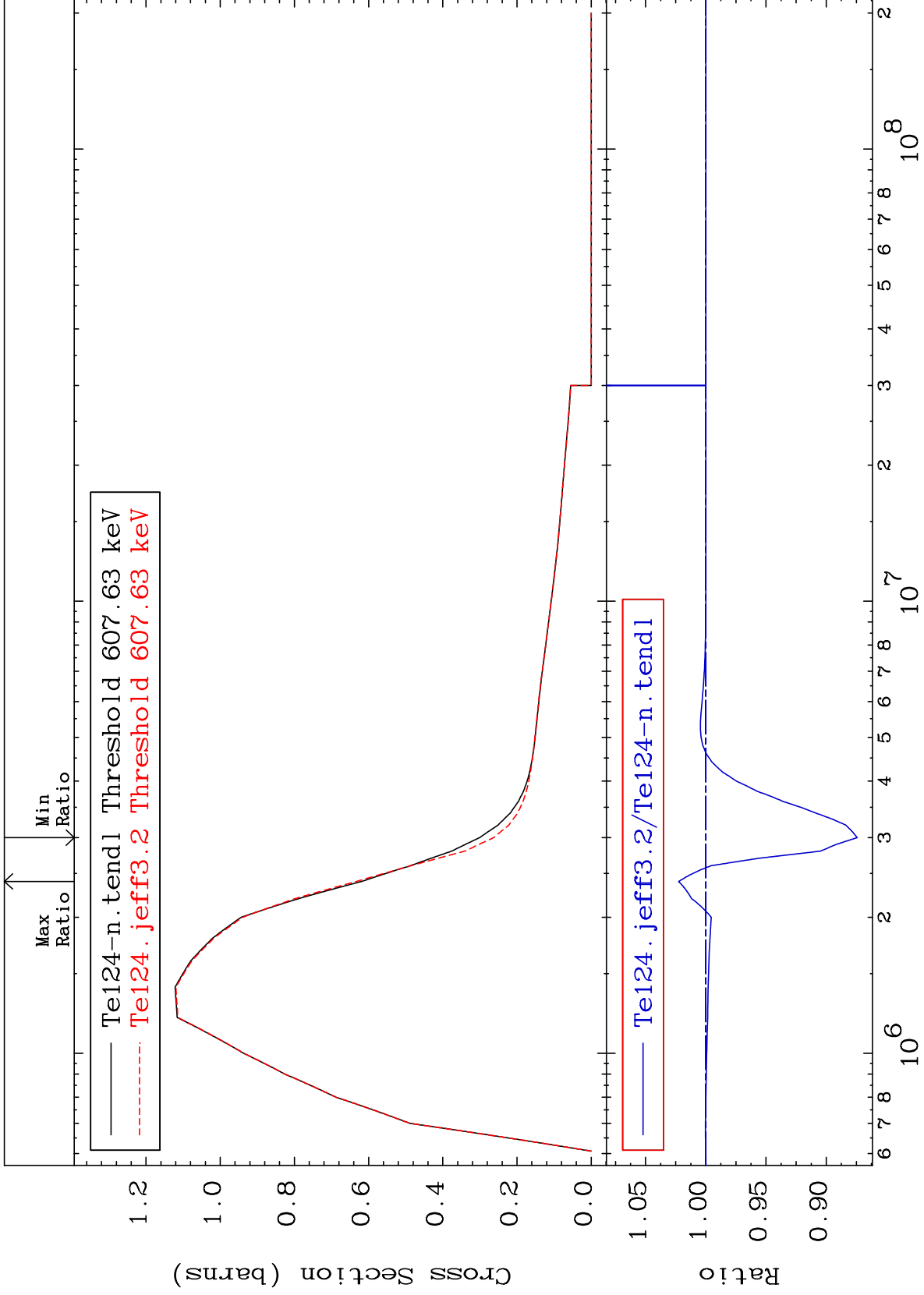




MAT 5237

602.7 keV (n,n') Level
Cross Section

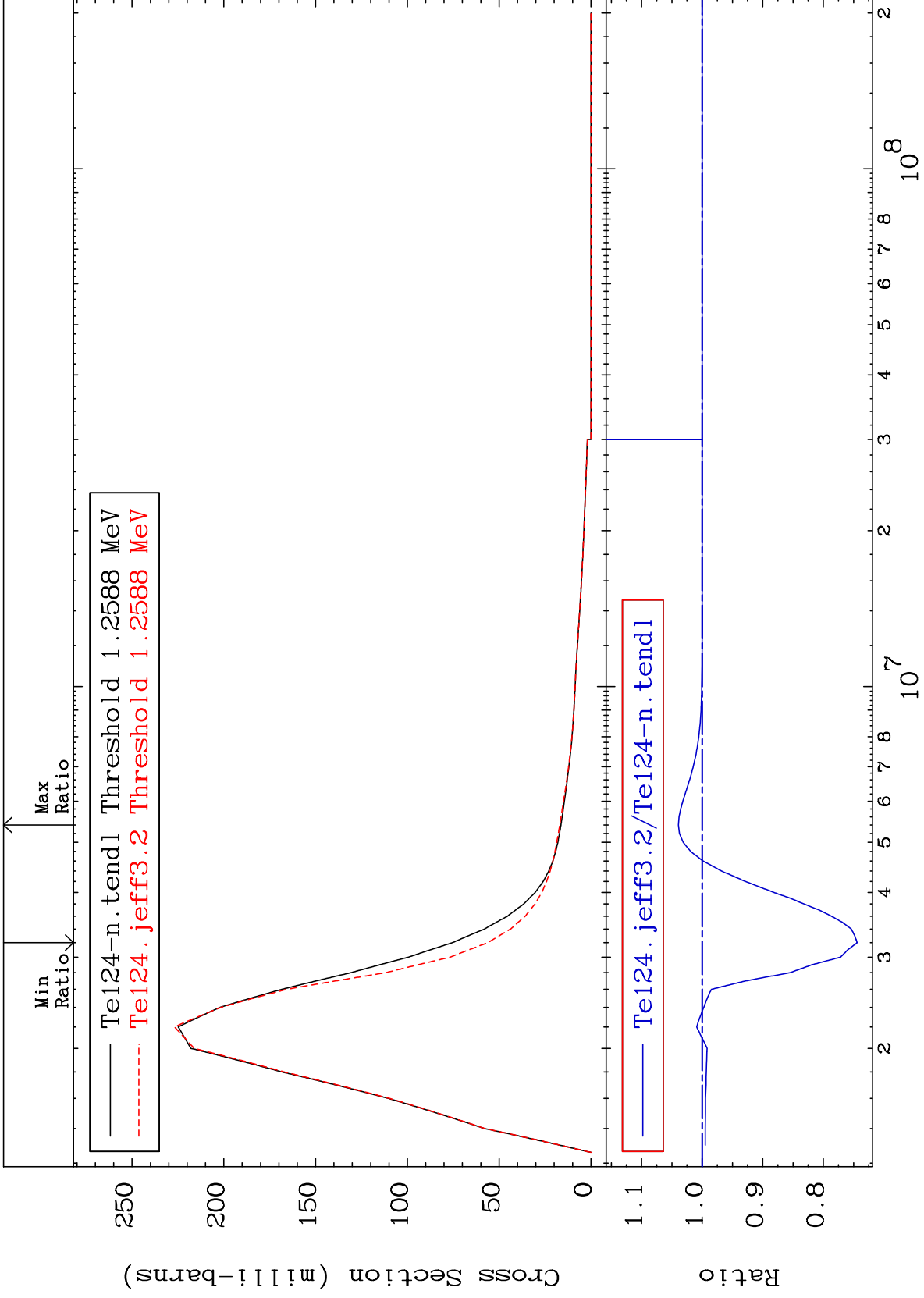
52-Te-124
-12.58 To 2.257 %



MAT 5237

1.249 MeV (n,n') Level
Cross Section

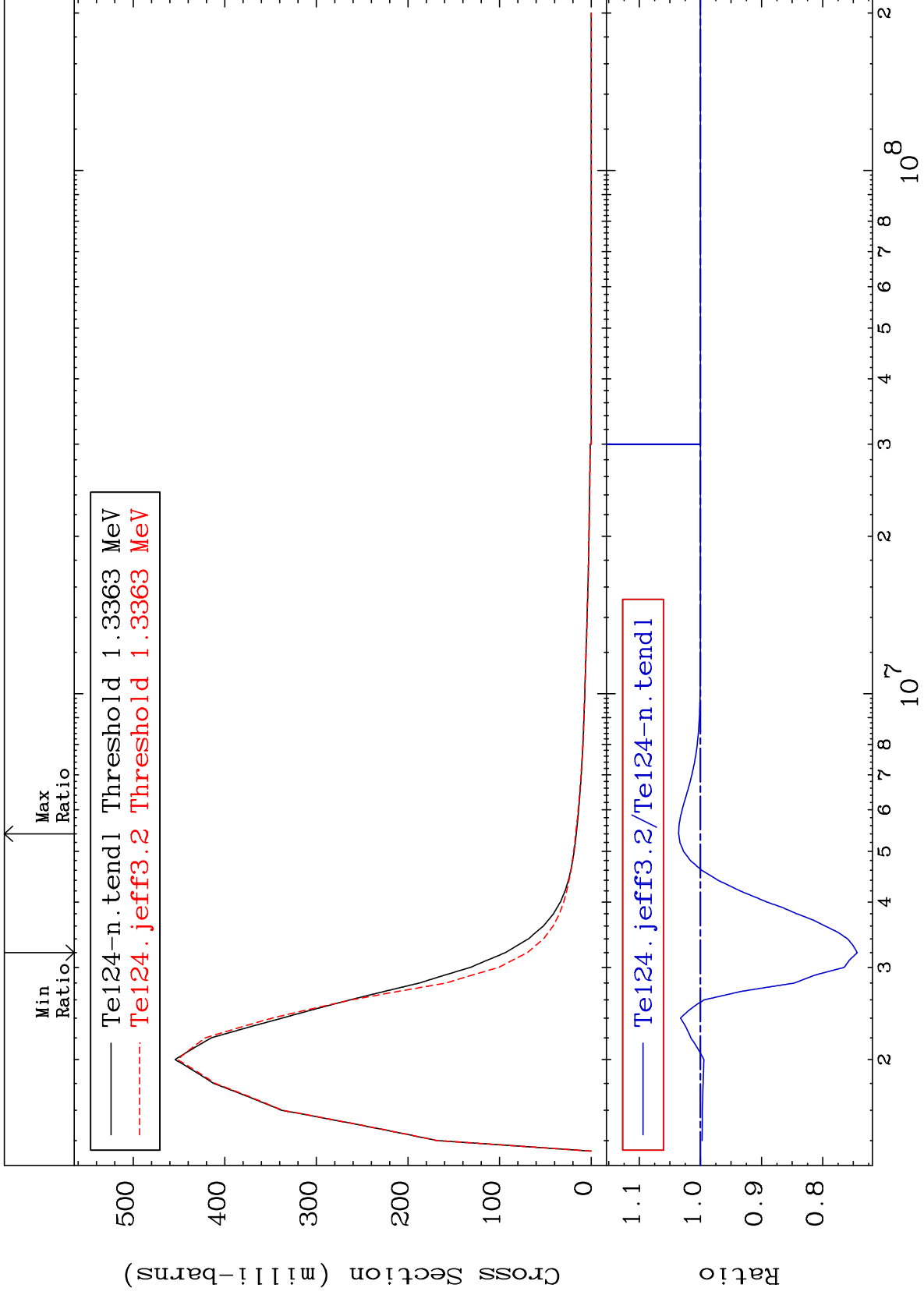
52-Te-124
-25.60 To 3.915 %



MAT 5237

1.326 MeV (n,n') Level
Cross Section

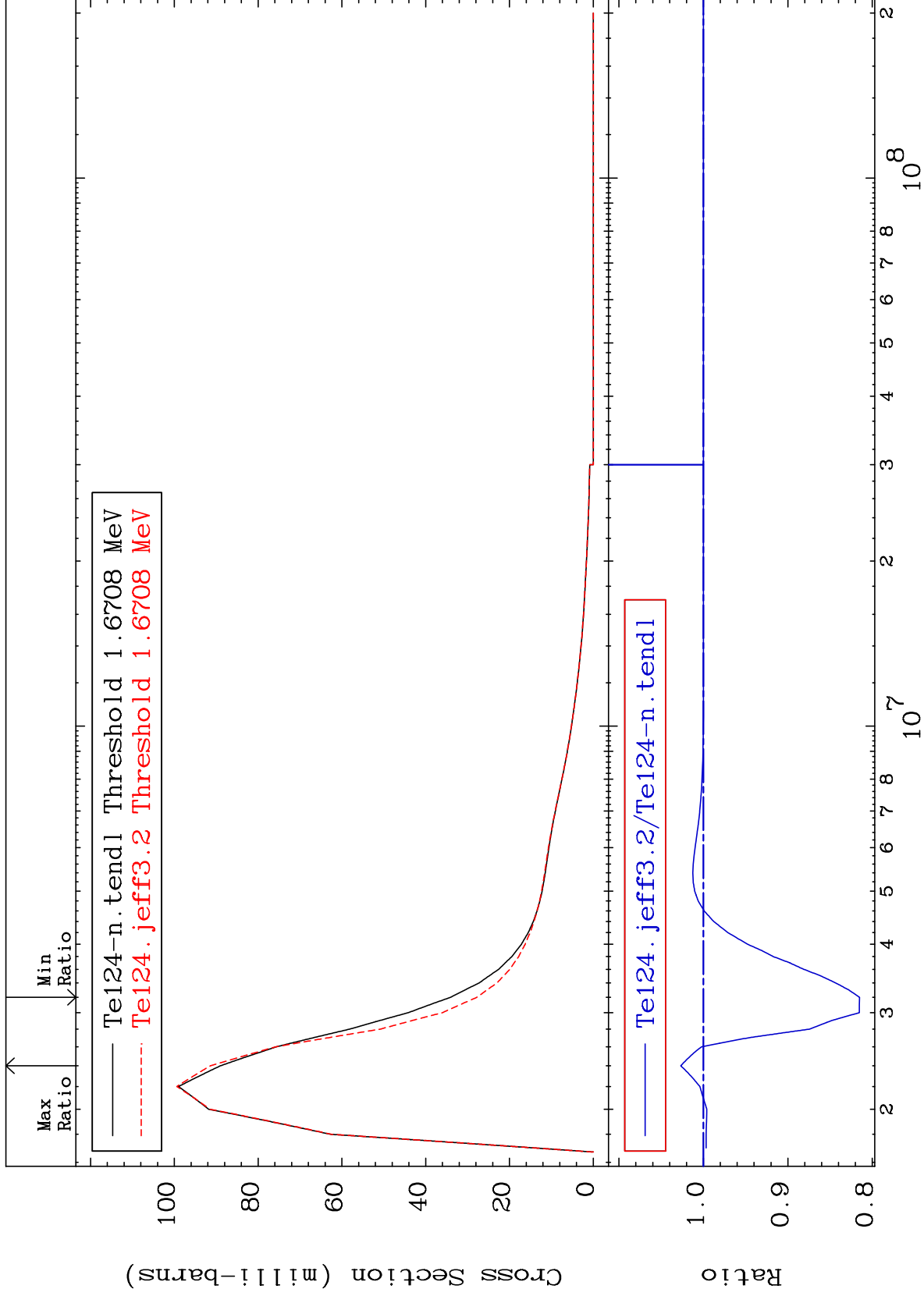
52-Te-124
-25.63 To 3.569 %



MAT 5237

1.657 MeV (n,n') Level
Cross Section

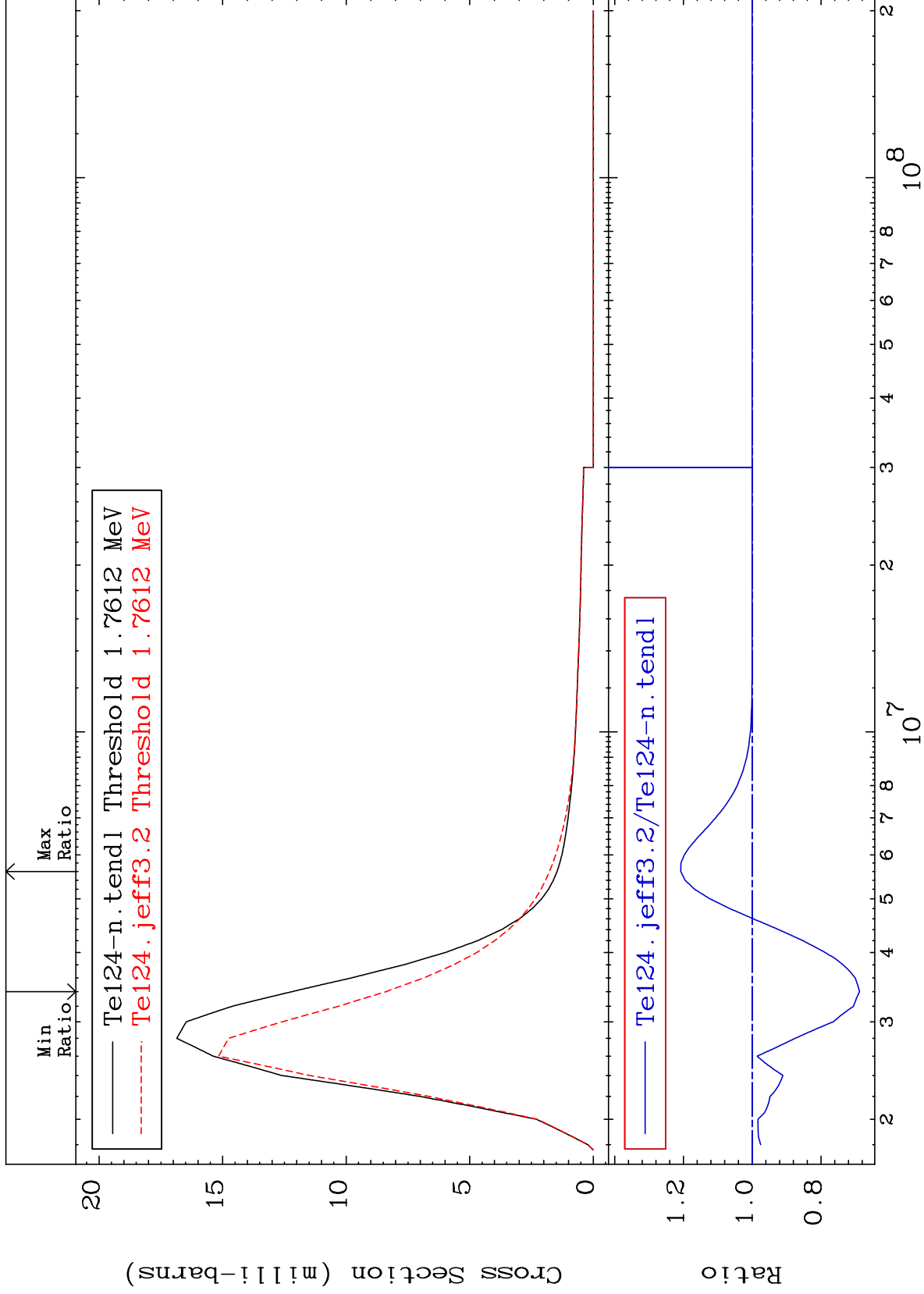
52-Te-124
-18.49 To 2.682 %



MAT 5237

1.747 MeV (n,n') Level
Cross Section

52-Te-124
-31.22 To 20.77 %



24

Incident Energy (eV)

52-Te-124

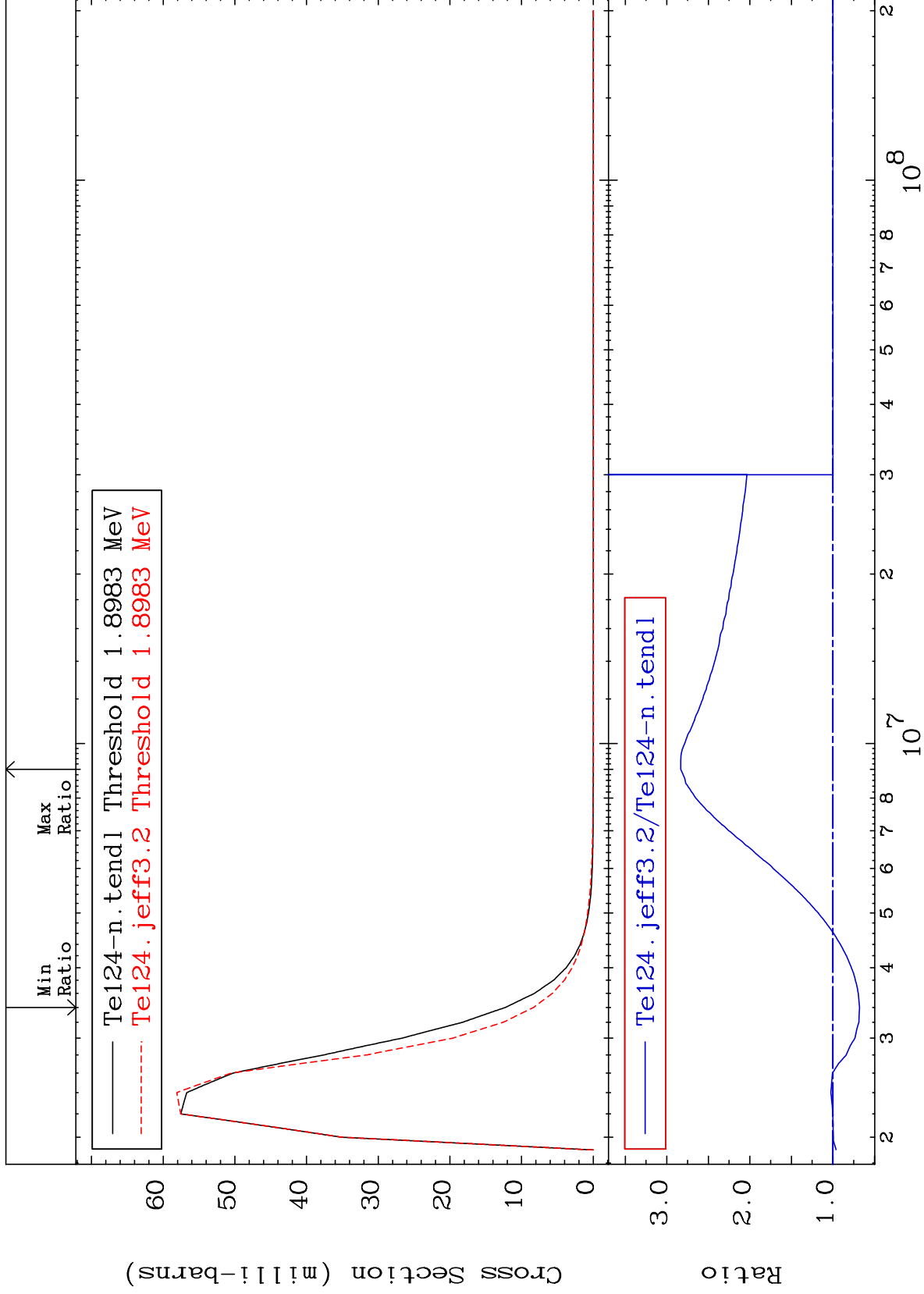
MAT 5237

1.883 MeV (n,n') Level

52-Te-124

-32.05 To 183.2 %

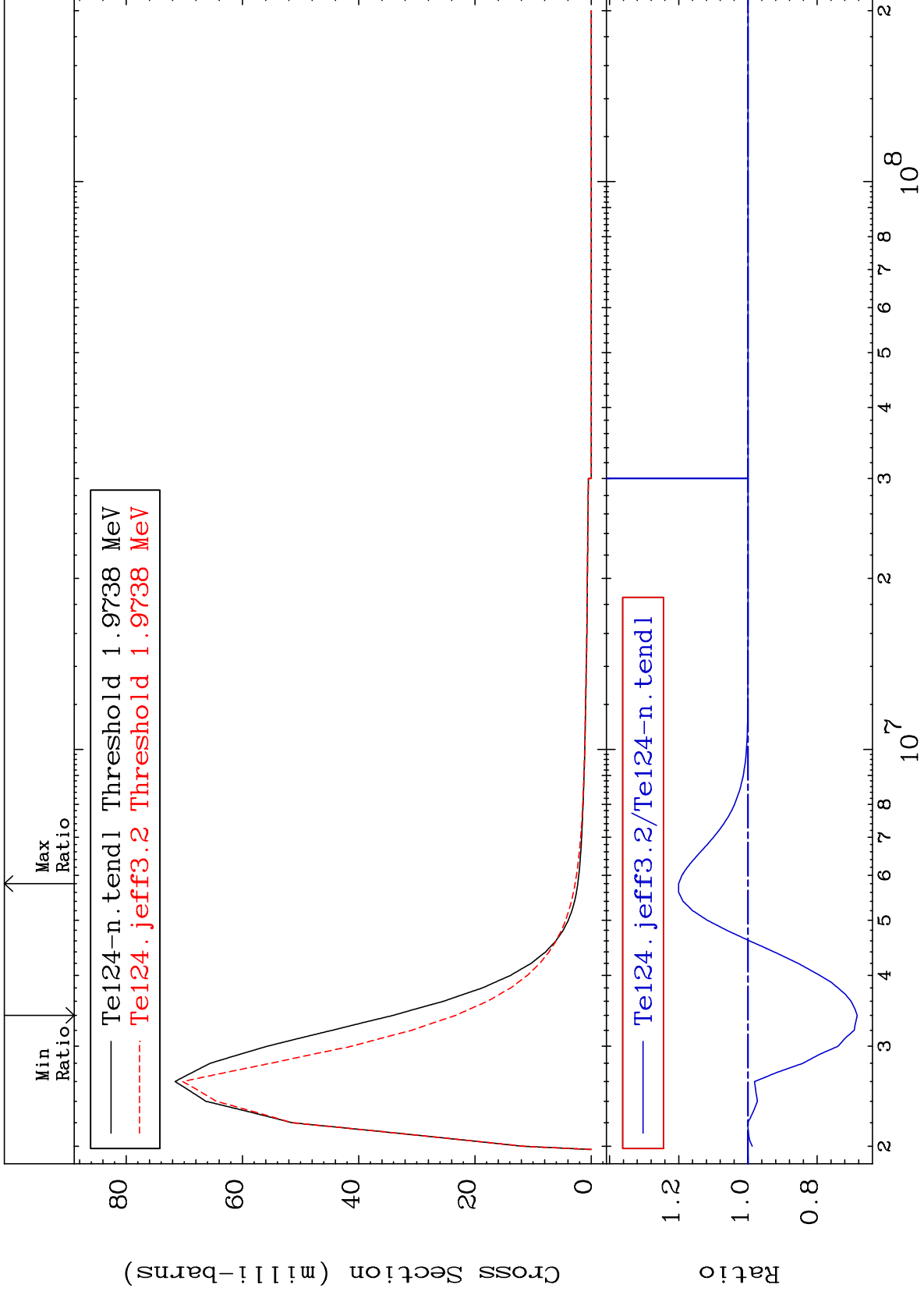
Cross Section



MAT 5237

1.958 MeV (n,n') Level
Cross Section

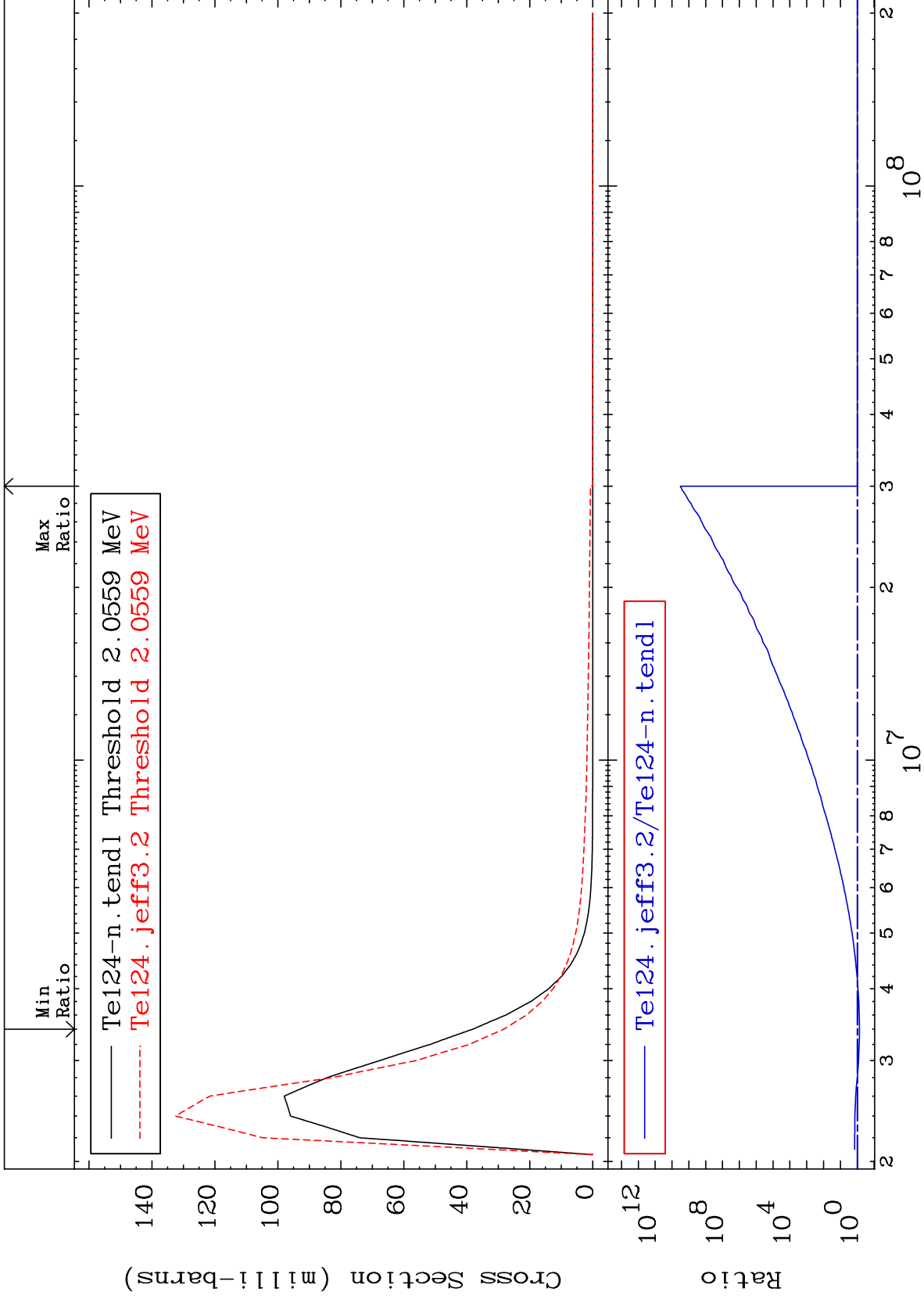
52-Te-124
-31.59 To 20.04 %



MAT 5237

2.039 MeV (n,n') Level
Cross Section

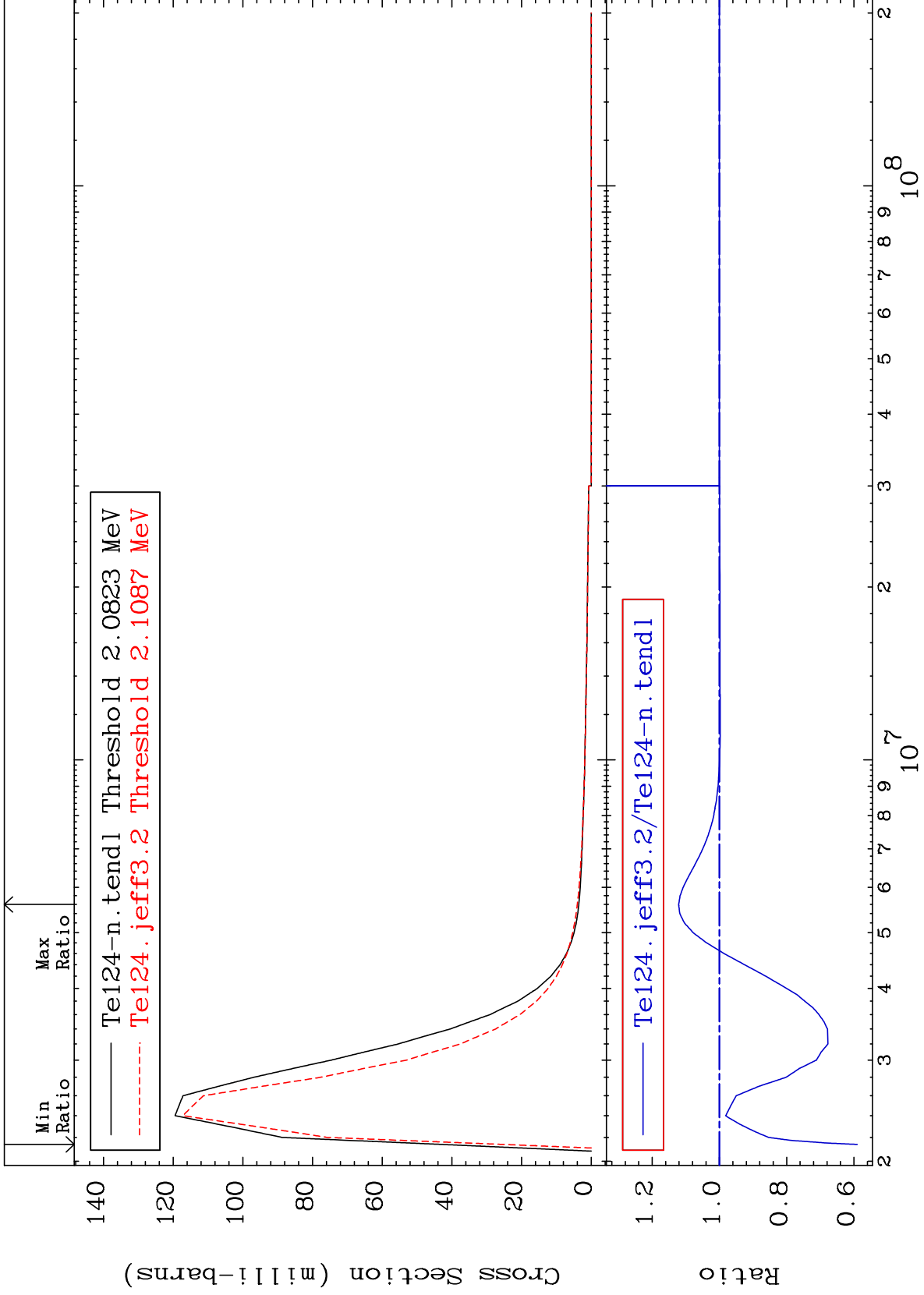
52-Te-124
-25.90 To 9999. %



MAT 5237

2.066 MeV (n,n') Level
Cross Section

52-Te-124
-41.00 To 12.13 %



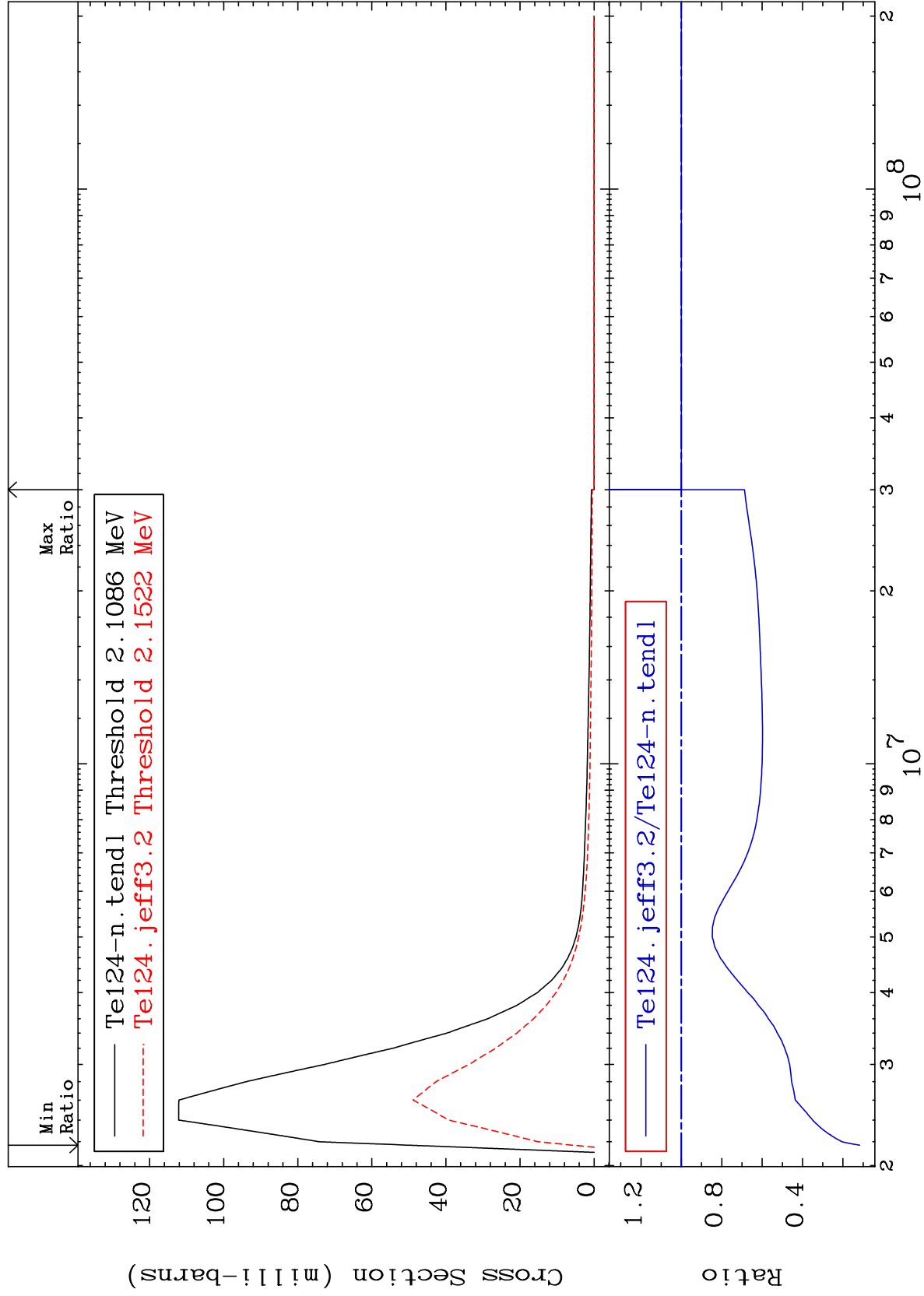
MAT 5237

2.092 MeV (n,n') Level

52-Te-124

-88.30 To 0.000 %

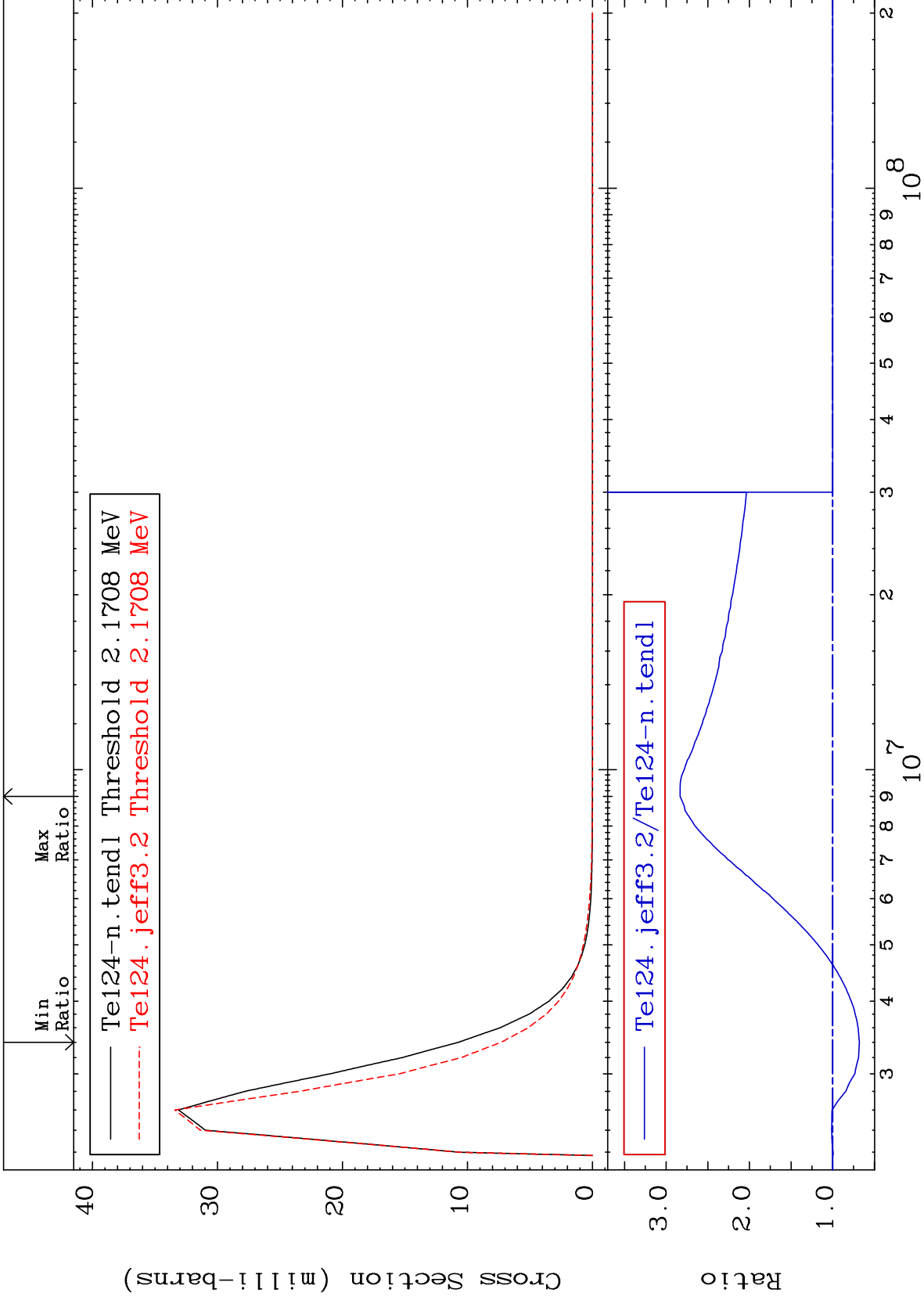
Cross Section



MAT 5237

2.153 MeV (n,n') Level
Cross Section

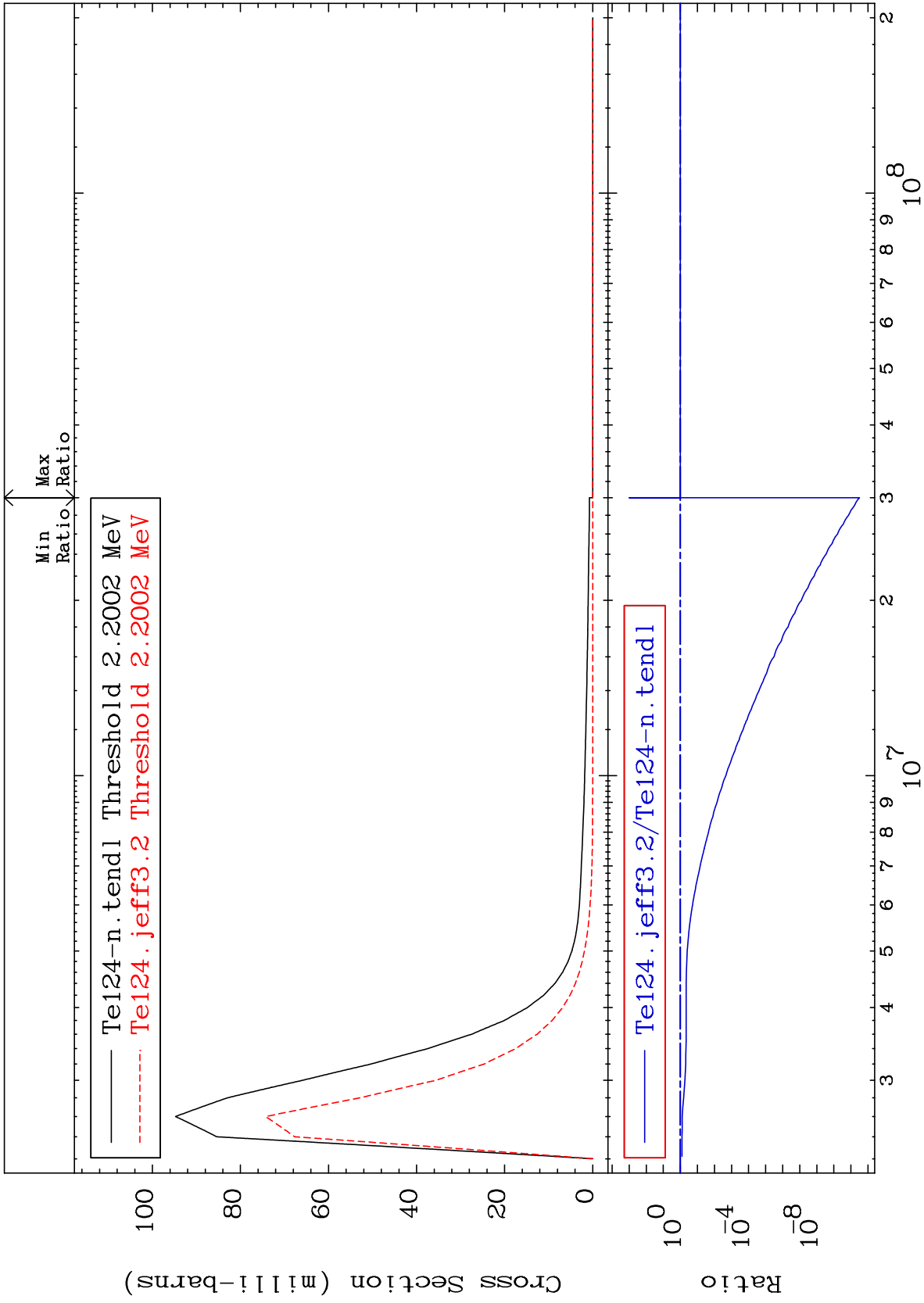
52-Te-124
-32.00 To 183.2 %



30

Incident Energy (eV)

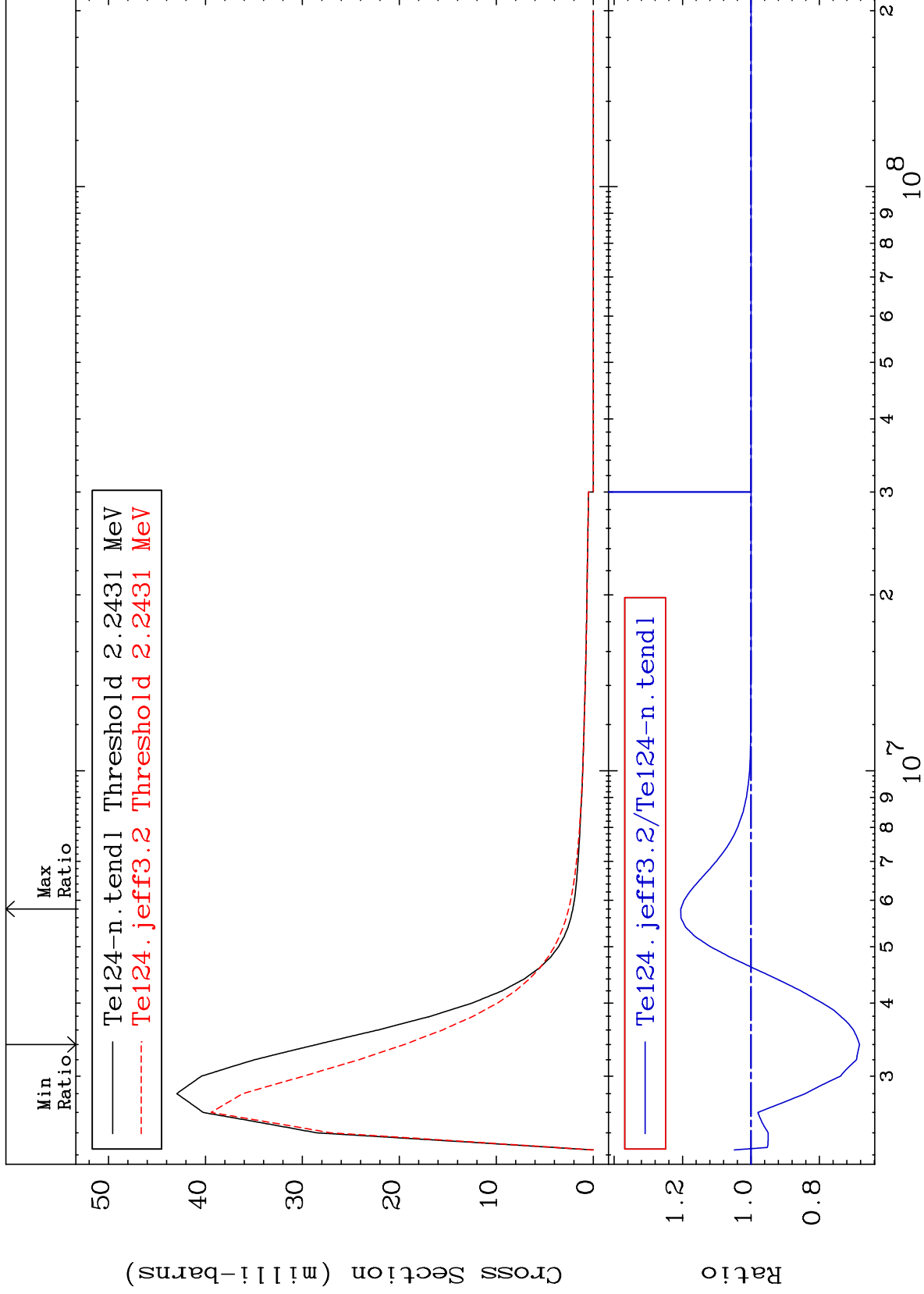
52-Te-124



MAT 5237

2.225 MeV (n,n') Level
Cross Section

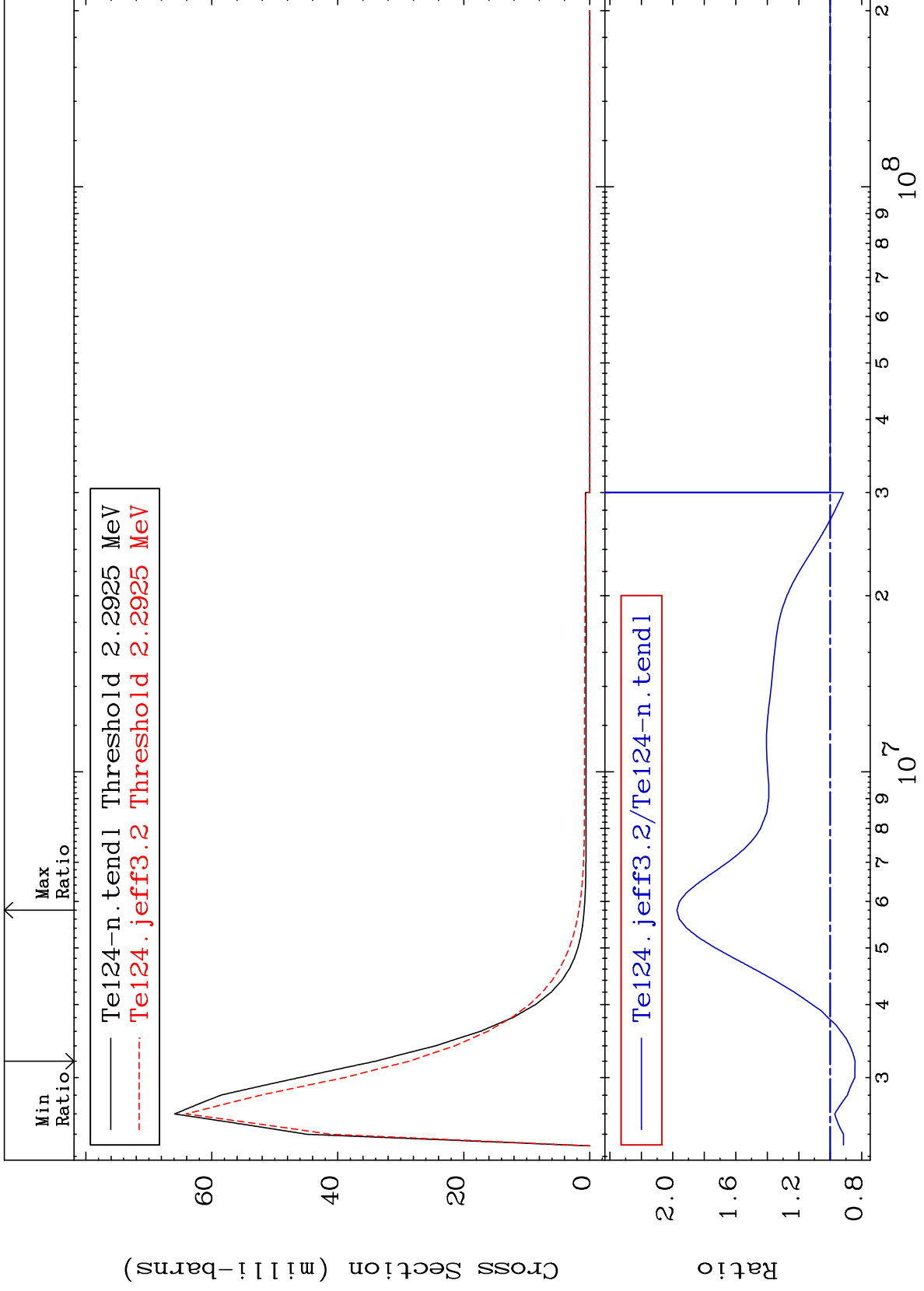
52-Te-124
-31.71 To 20.51 %



MAT 5237

2.274 MeV (n,n') Level
Cross Section

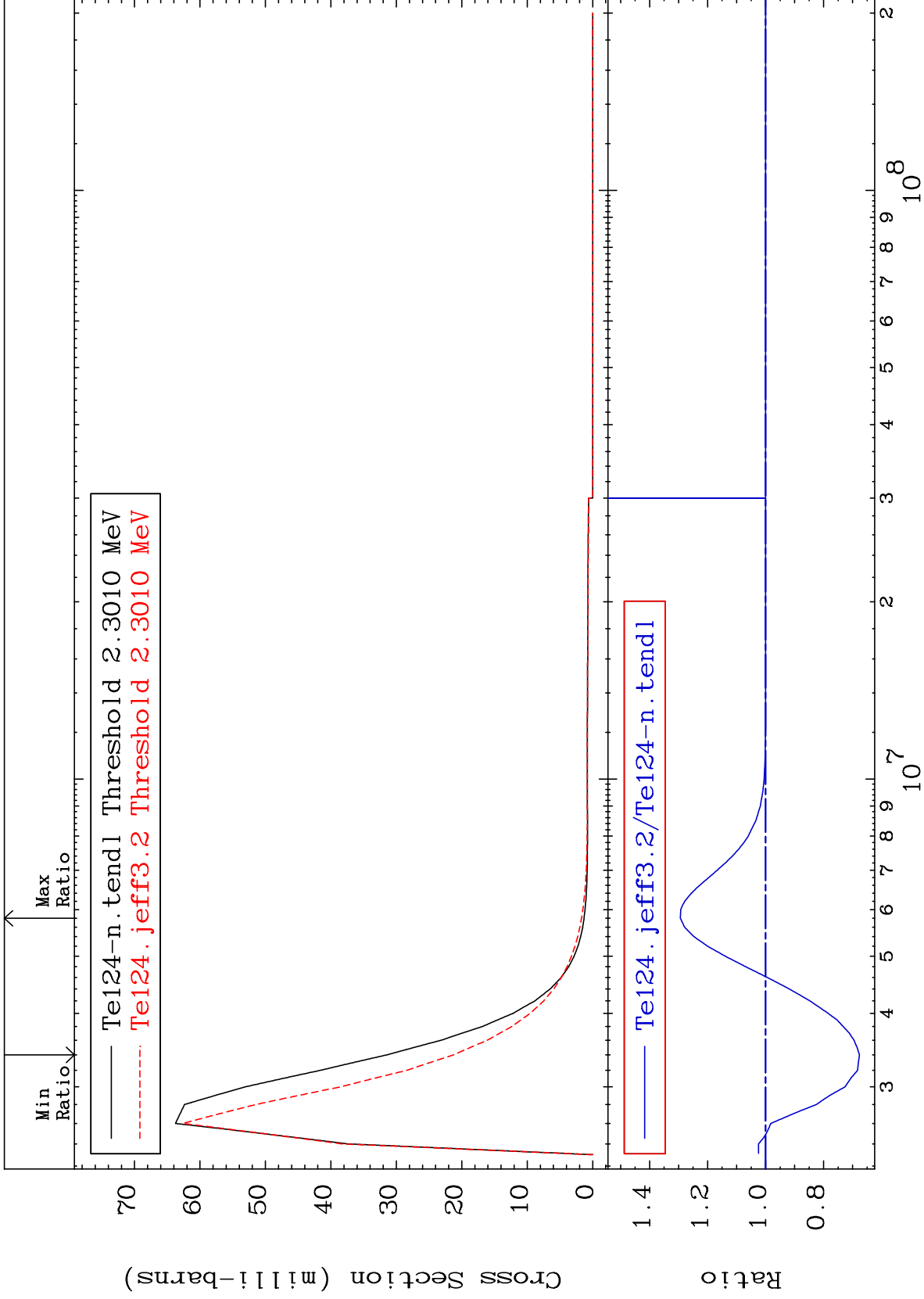
52-Te-124
-15.76 To 97.39 %



MAT 5237

2.282 MeV (n,n') Level
Cross Section

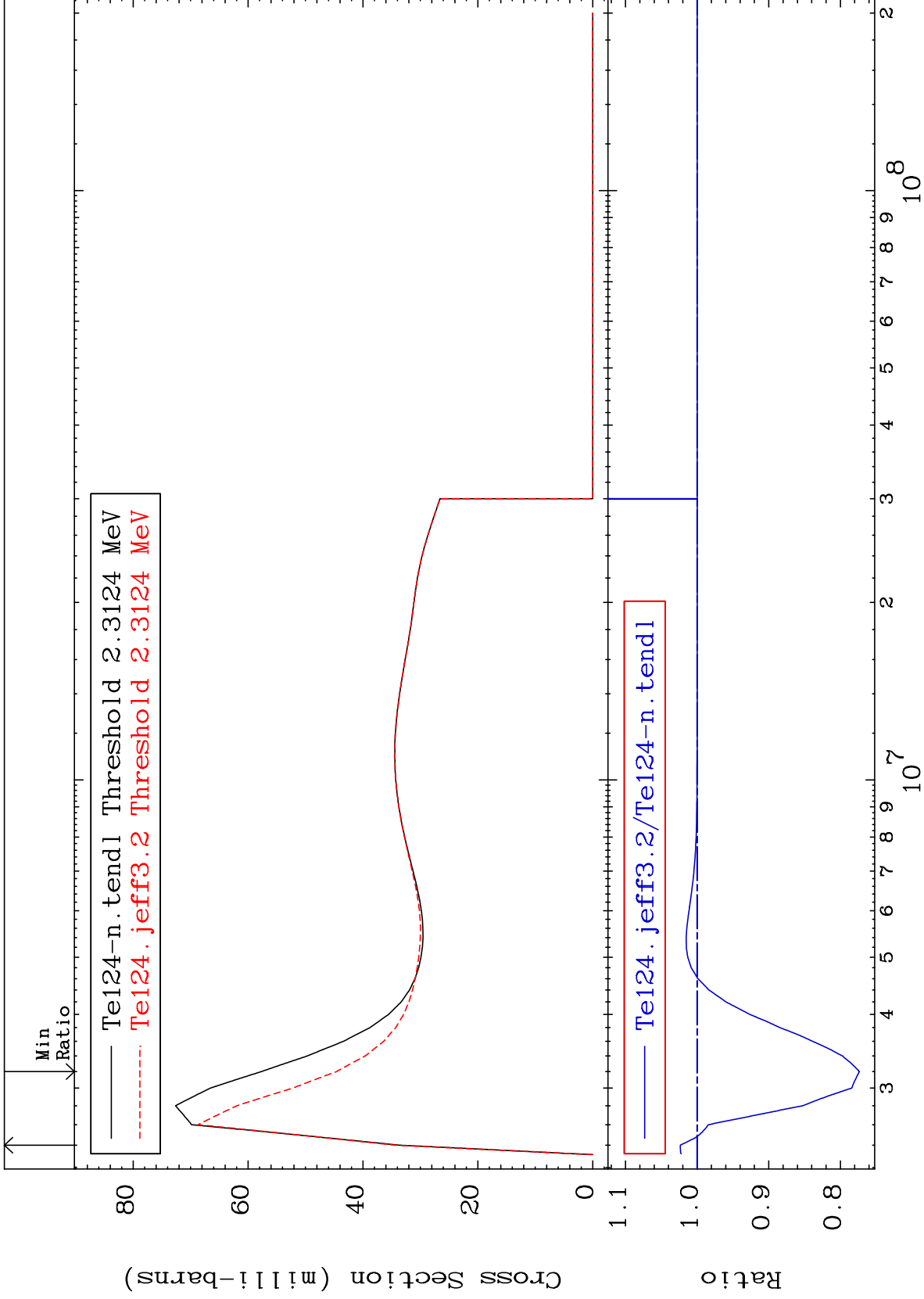
52-Te-124
-32.34 To 29.39 %



MAT 5237

2.294 MeV (n,n') Level
Cross Section

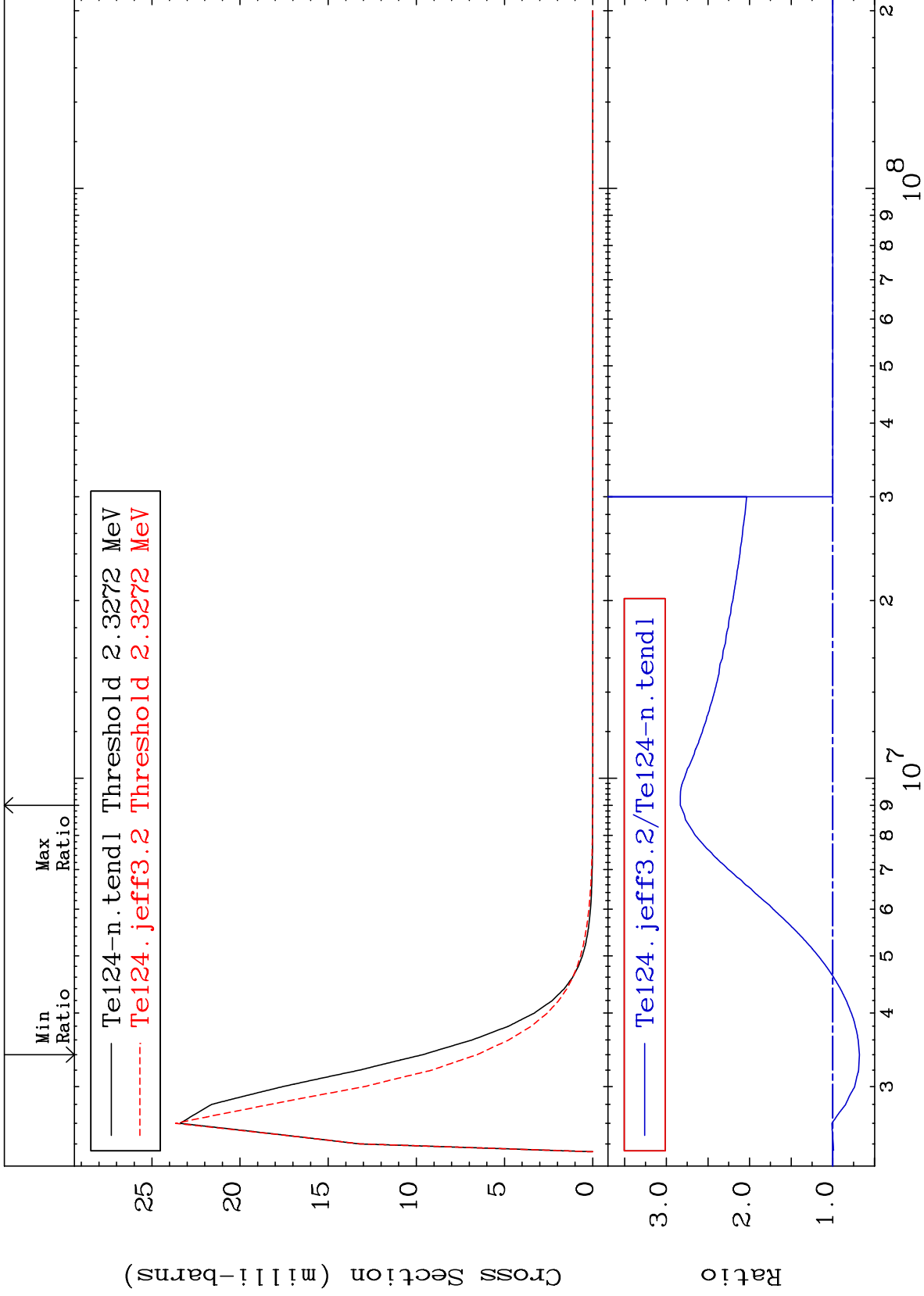
52-Te-124
-22.66 To 2.344 %



MAT 5237

2.308 MeV (n,n') Level
Cross Section

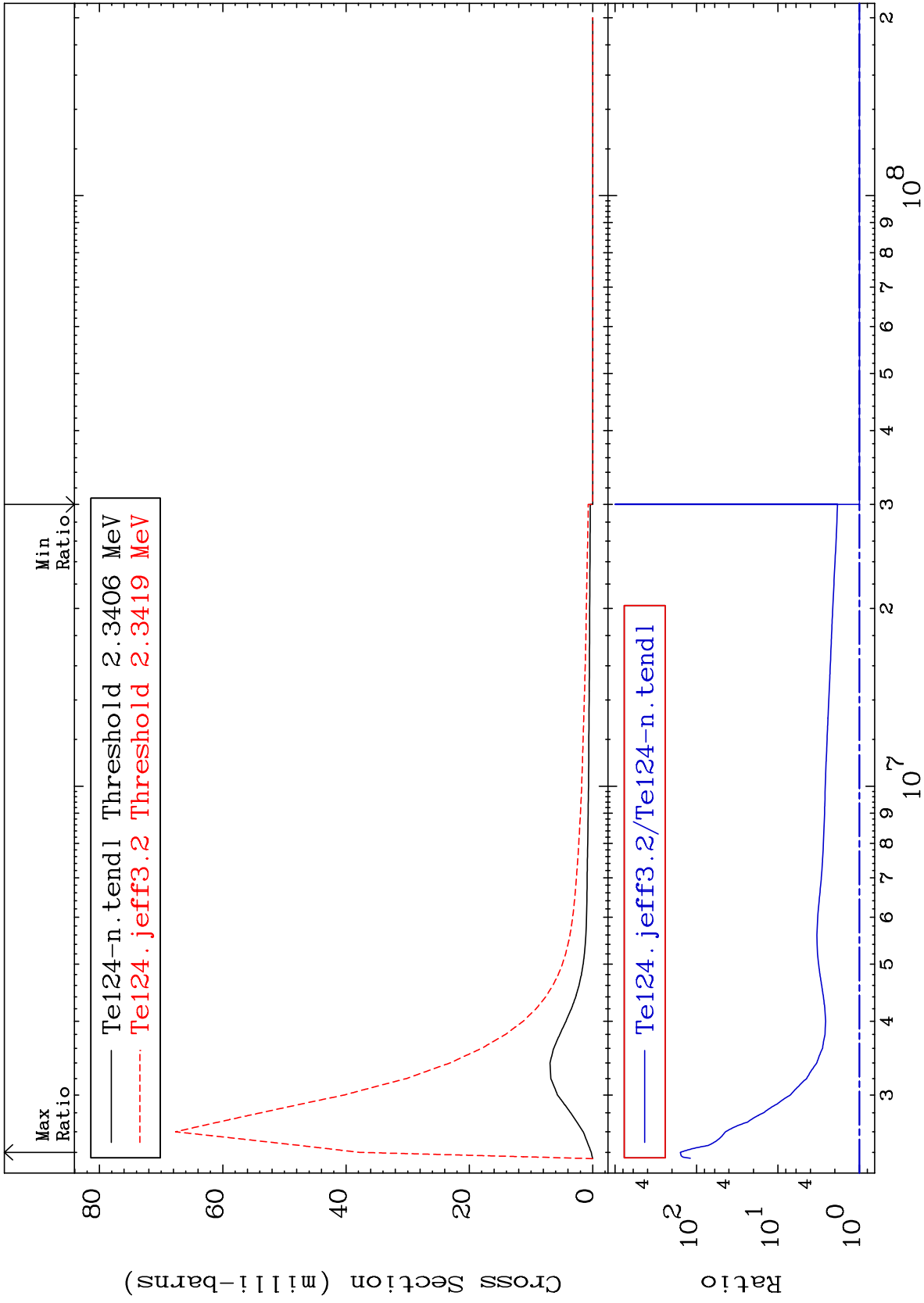
52-Te-124
-31.96 To 183.2 %



MAT 5237

2.322 MeV (n,n') Level
Cross Section

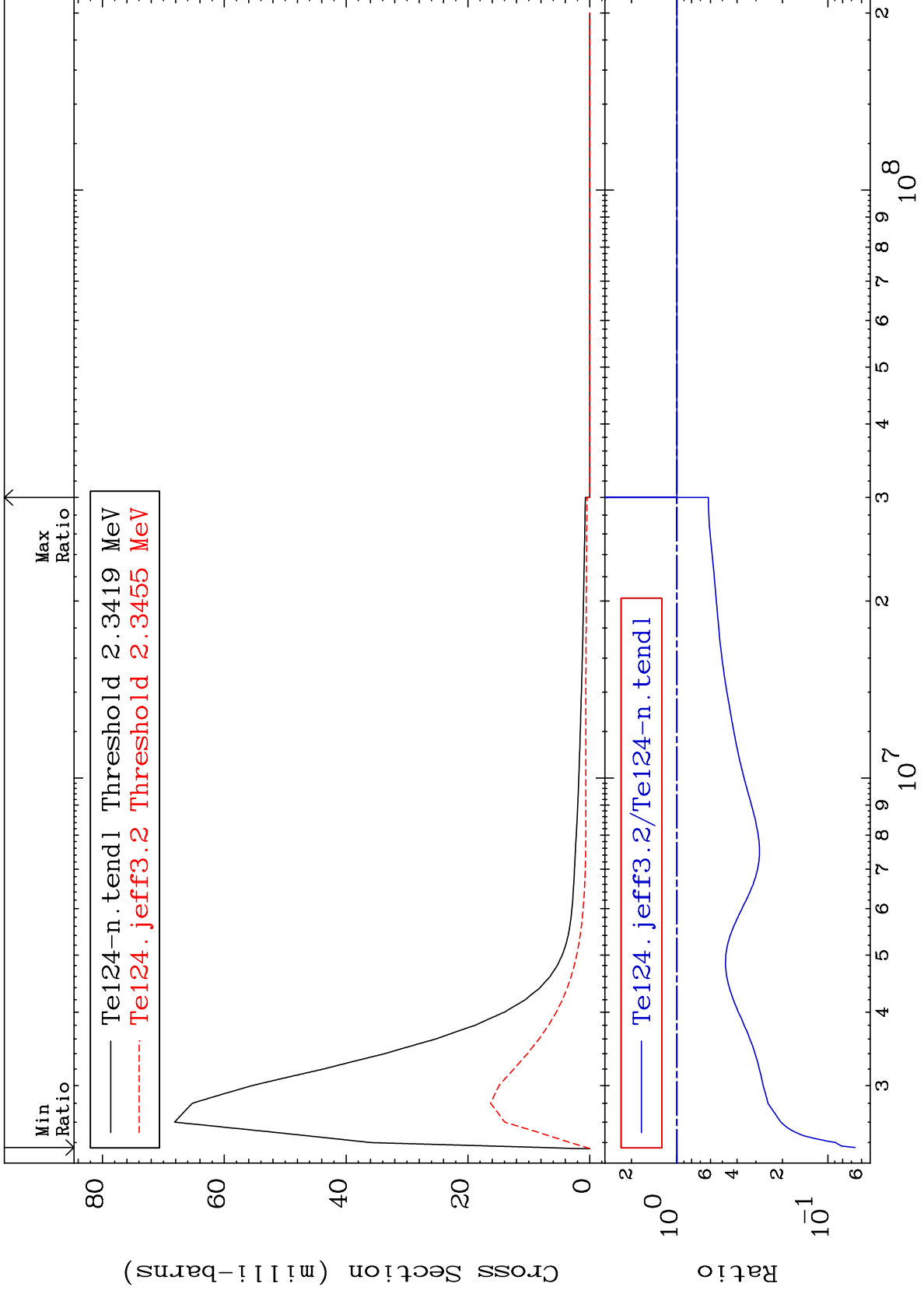
52-Te-124
0.000 To 9999. %



MAT 5237

2.323 MeV (n,n') Level
Cross Section

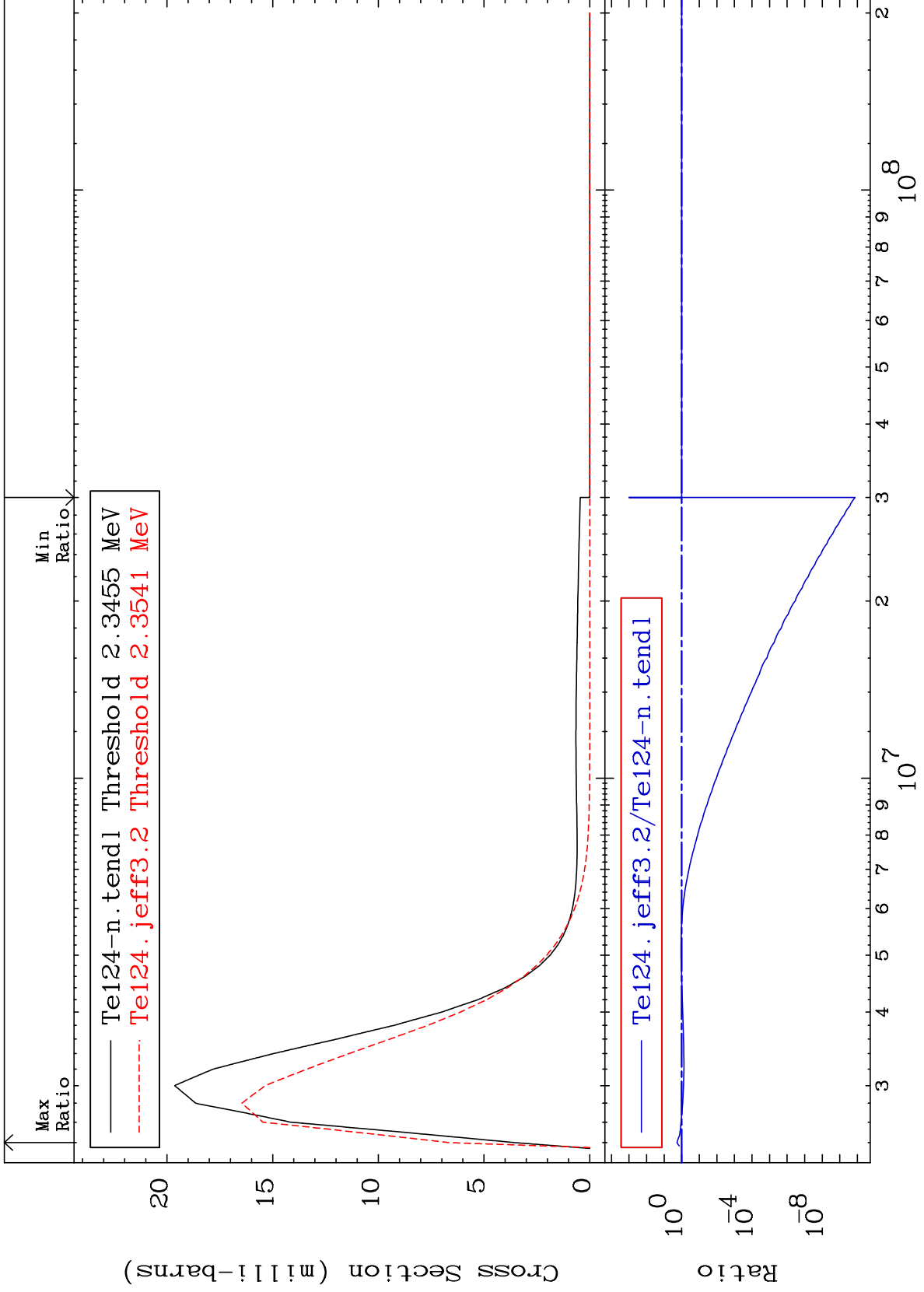
52-Te-124
-93.39 To 0.000 %



MAT 5237

2.327 MeV (n,n') Level
Cross Section

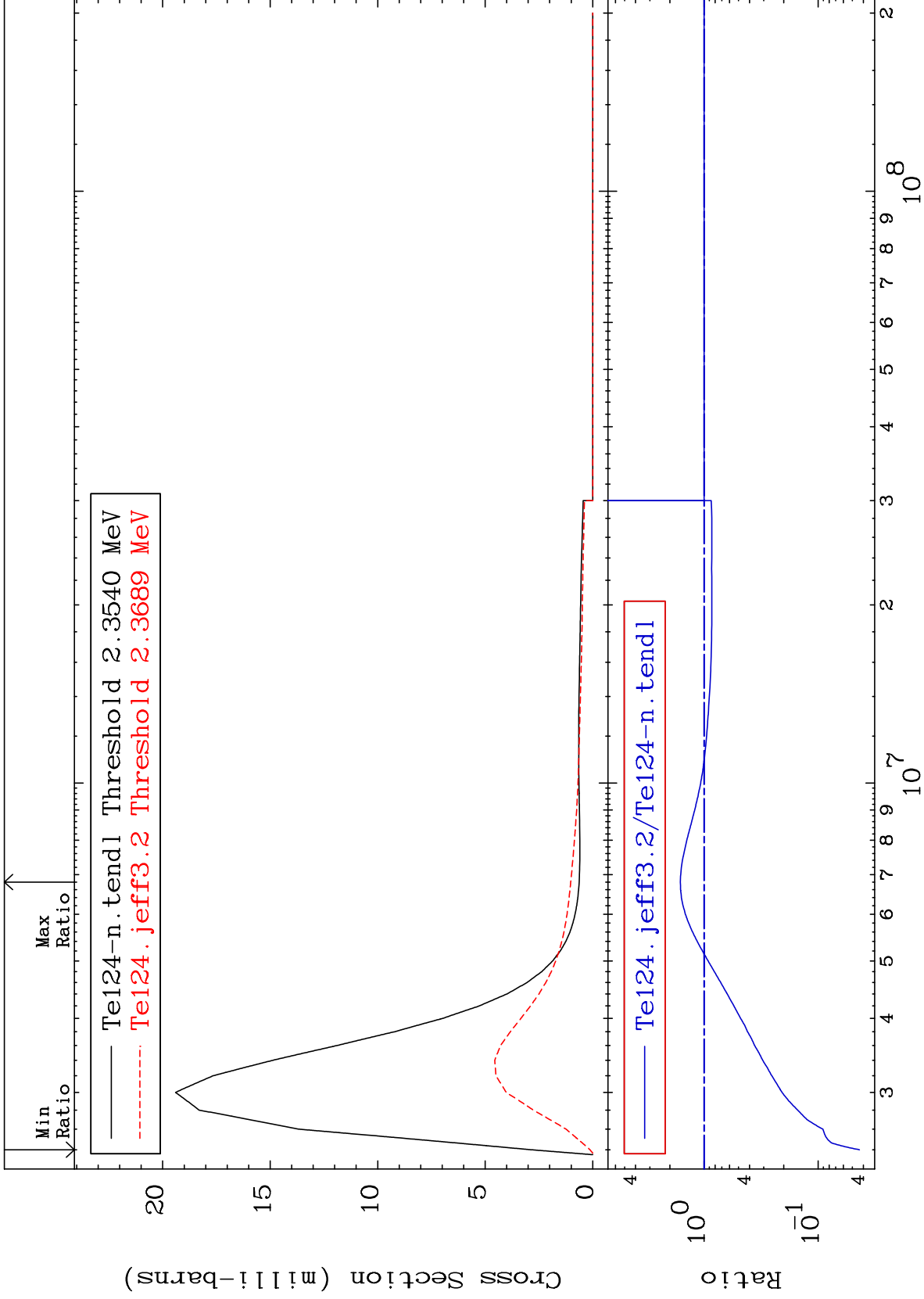
52-Te-124
-100.0 To 87.54 %



MAT 5237

2.335 MeV (n,n') Level
Cross Section

52-Te-124
-95.67 To 61.80 %



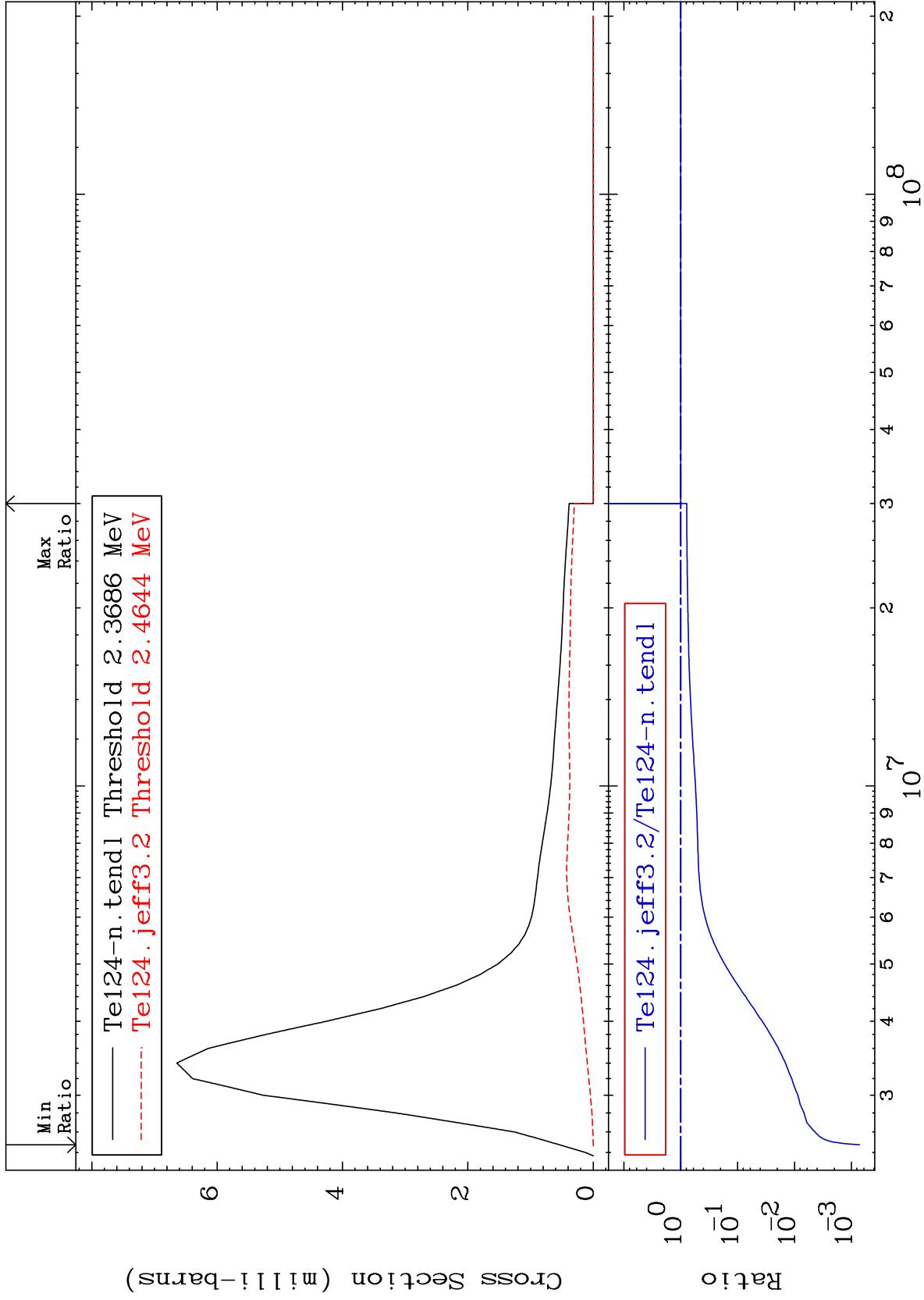
MAT 5237

2.349 MeV (n, n') Level

52-Te-124

-99.93 To 0.000 %

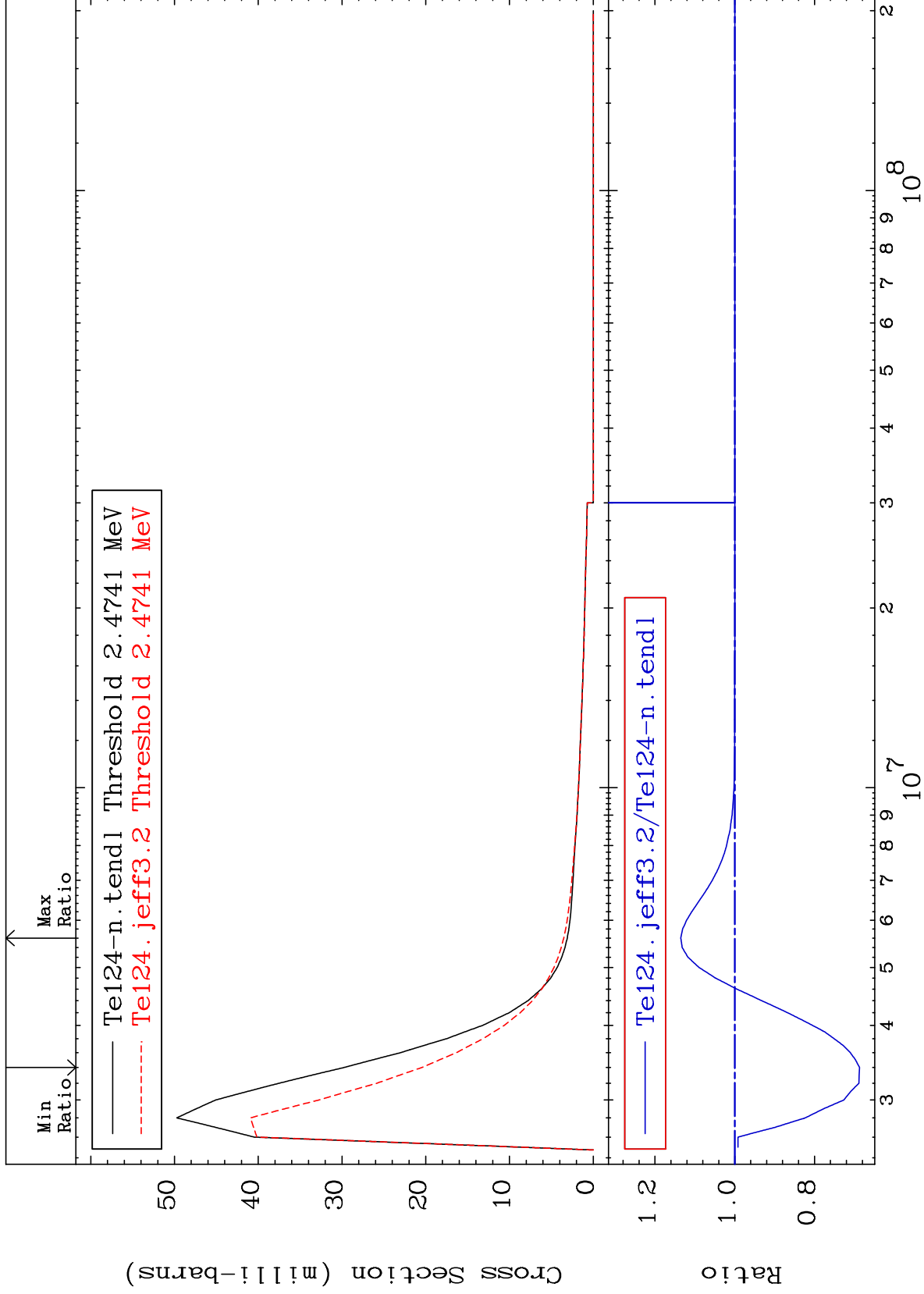
Cross Section



MAT 5237

2.454 MeV (n,n') Level
Cross Section

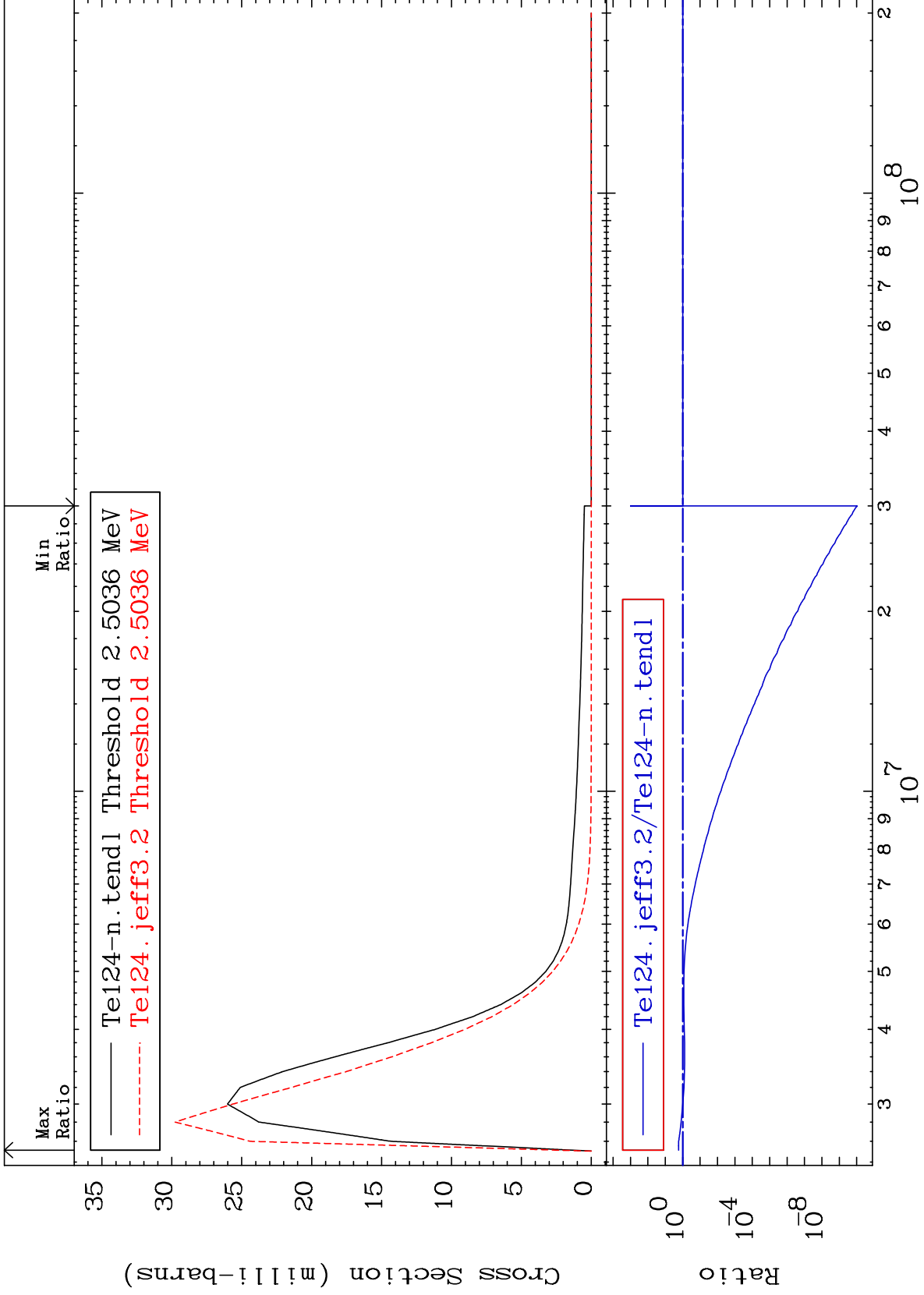
52-Te-124
-31.28 To 13.53 %



MAT 5237

2.483 MeV (n,n') Level
Cross Section

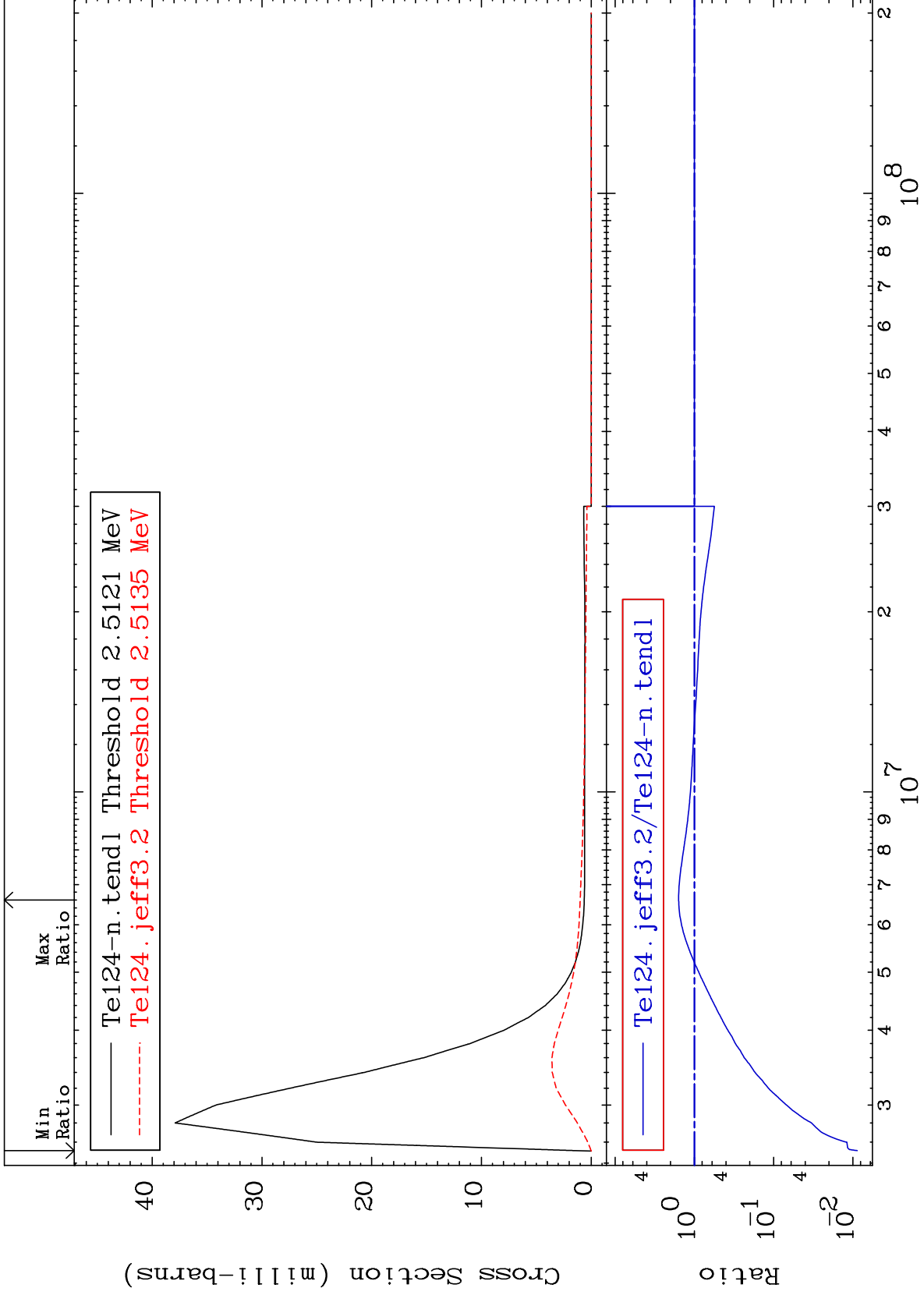
52-Te-124
-100.0 To 71.38 %



MAT 5237

2.492 MeV (n,n') Level
Cross Section

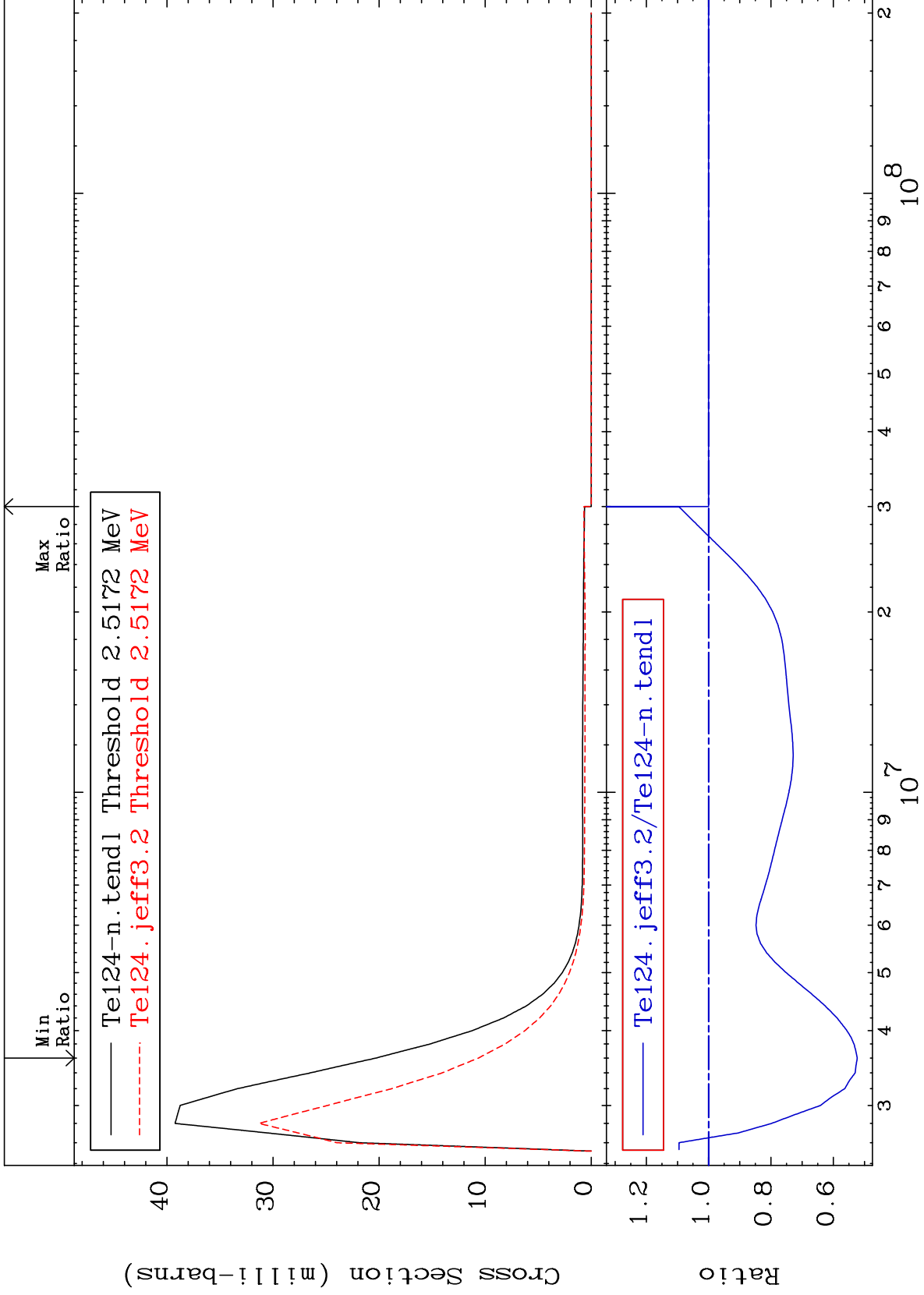
52-Te-124
-99.12 To 58.14 %



MAT 5237

2.497 MeV (n,n') Level
Cross Section

52-Te-124
-47.64 To 9.619 %



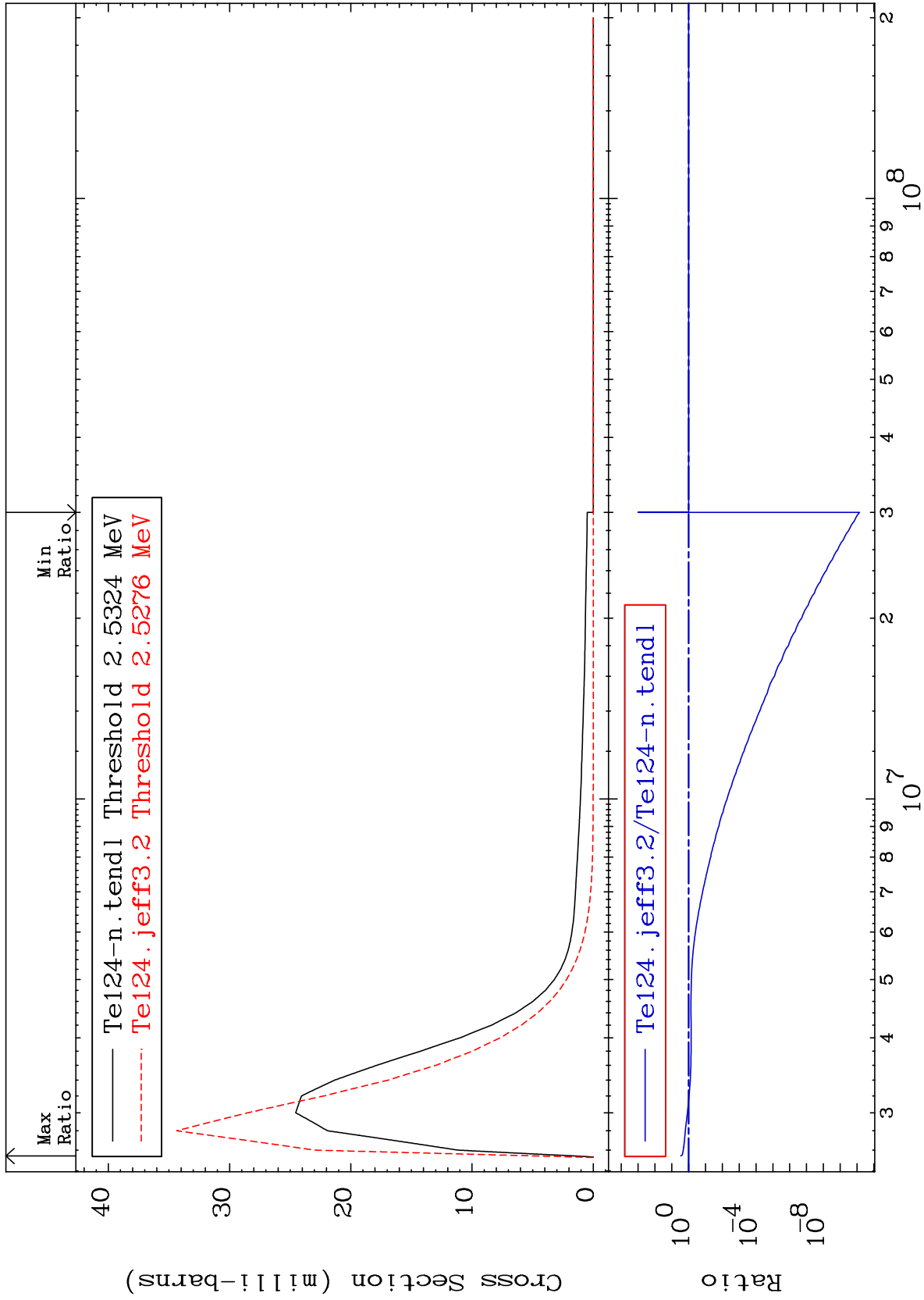
MAT 5237

2.512 MeV (n, n') Level

52-Te-124

-100.0 To 190.1 %

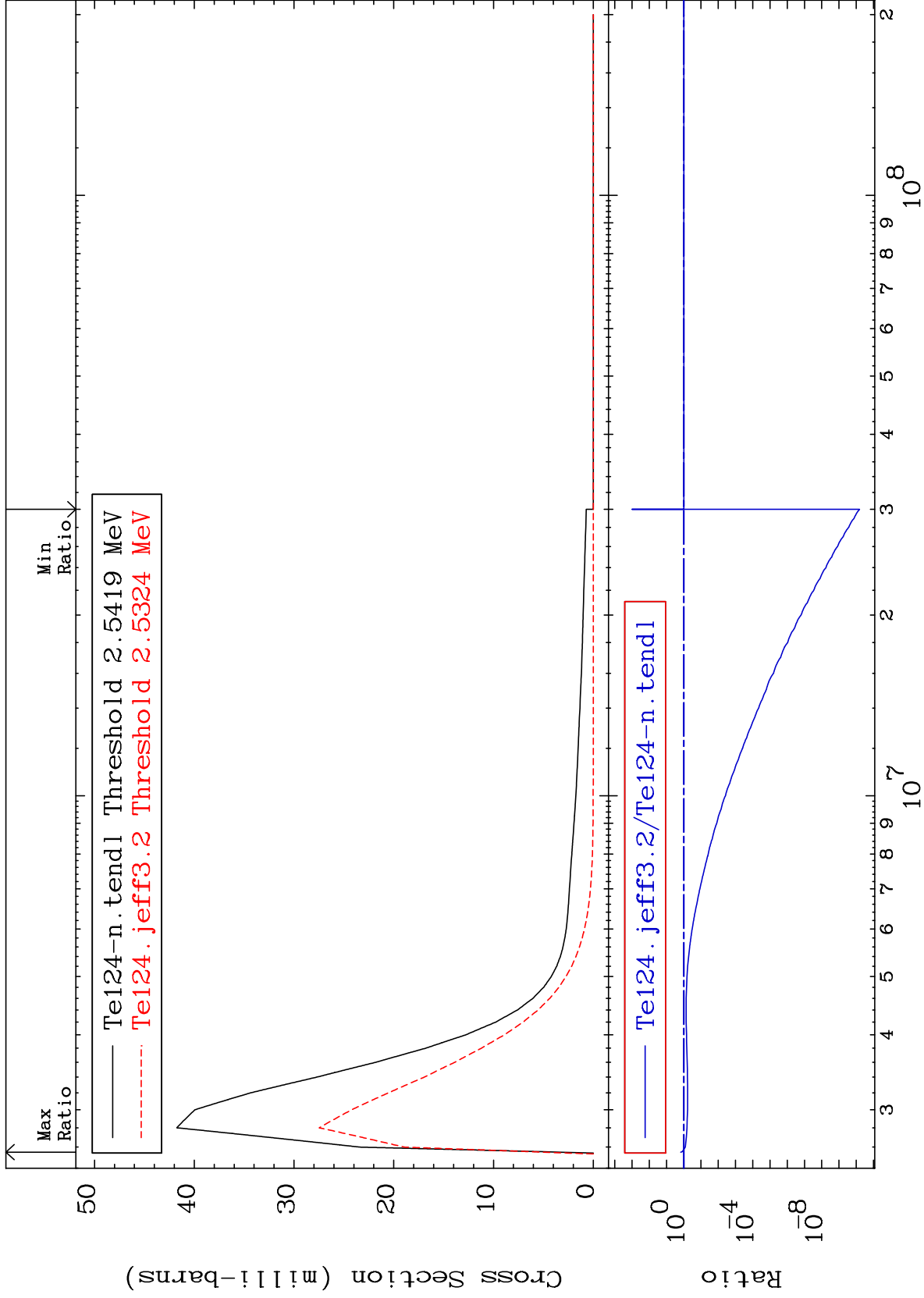
Cross Section



MAT 5237

2.521 MeV (n,n') Level
Cross Section

52-Te-124
-100.0 To 49.23 %



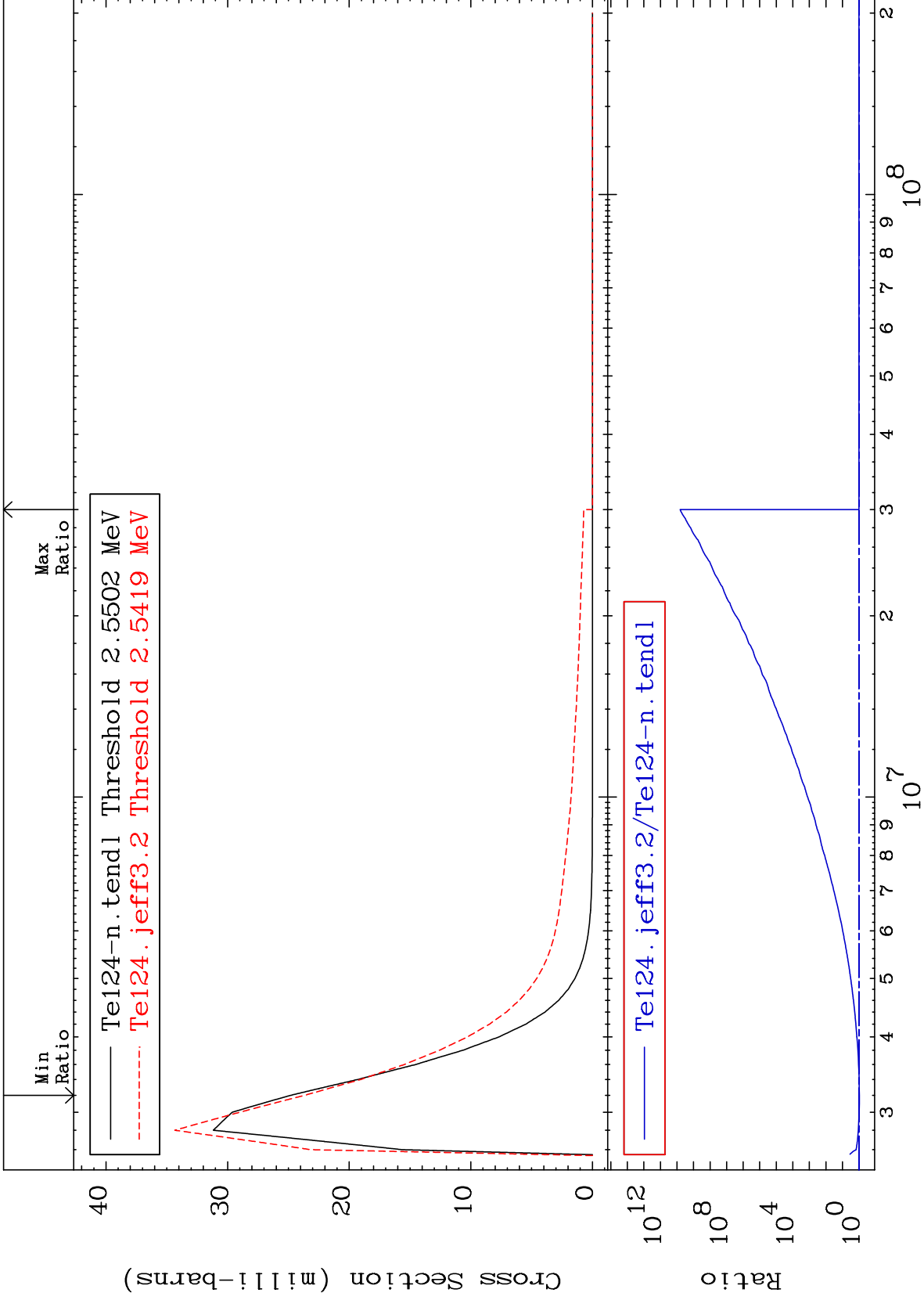
MAT 5237

2.530 MeV (n,n') Level

52-Te-124

-4.650 To 9999. %

Cross Section

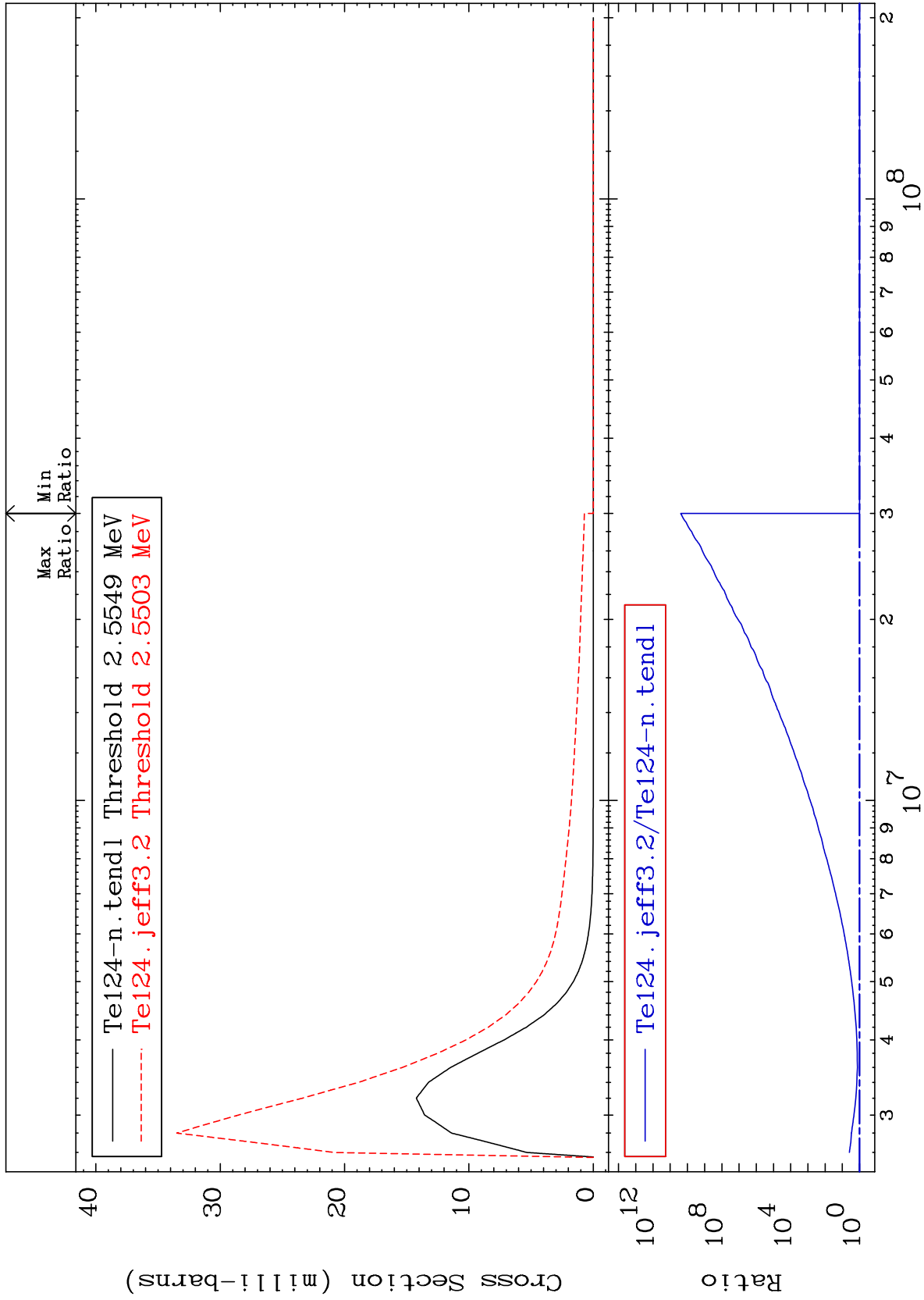


MAT 5237

2.534 MeV (n,n') Level

52-Te-124

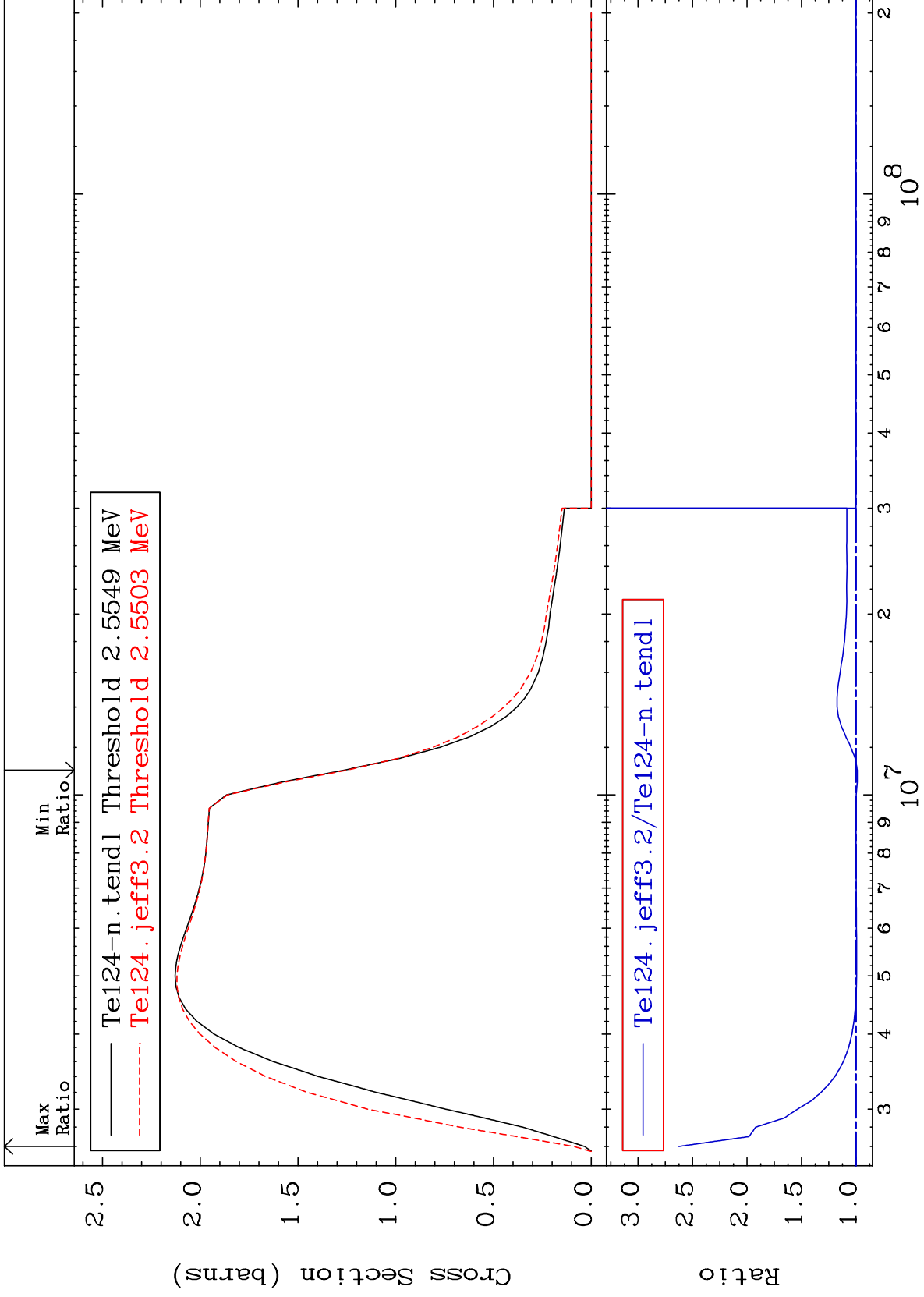
Cross Section
0.000 To 9999. %



MAT 5237

(n, n') Continuum
Cross Section

52-Te-124
-1.129 To 162.8 %



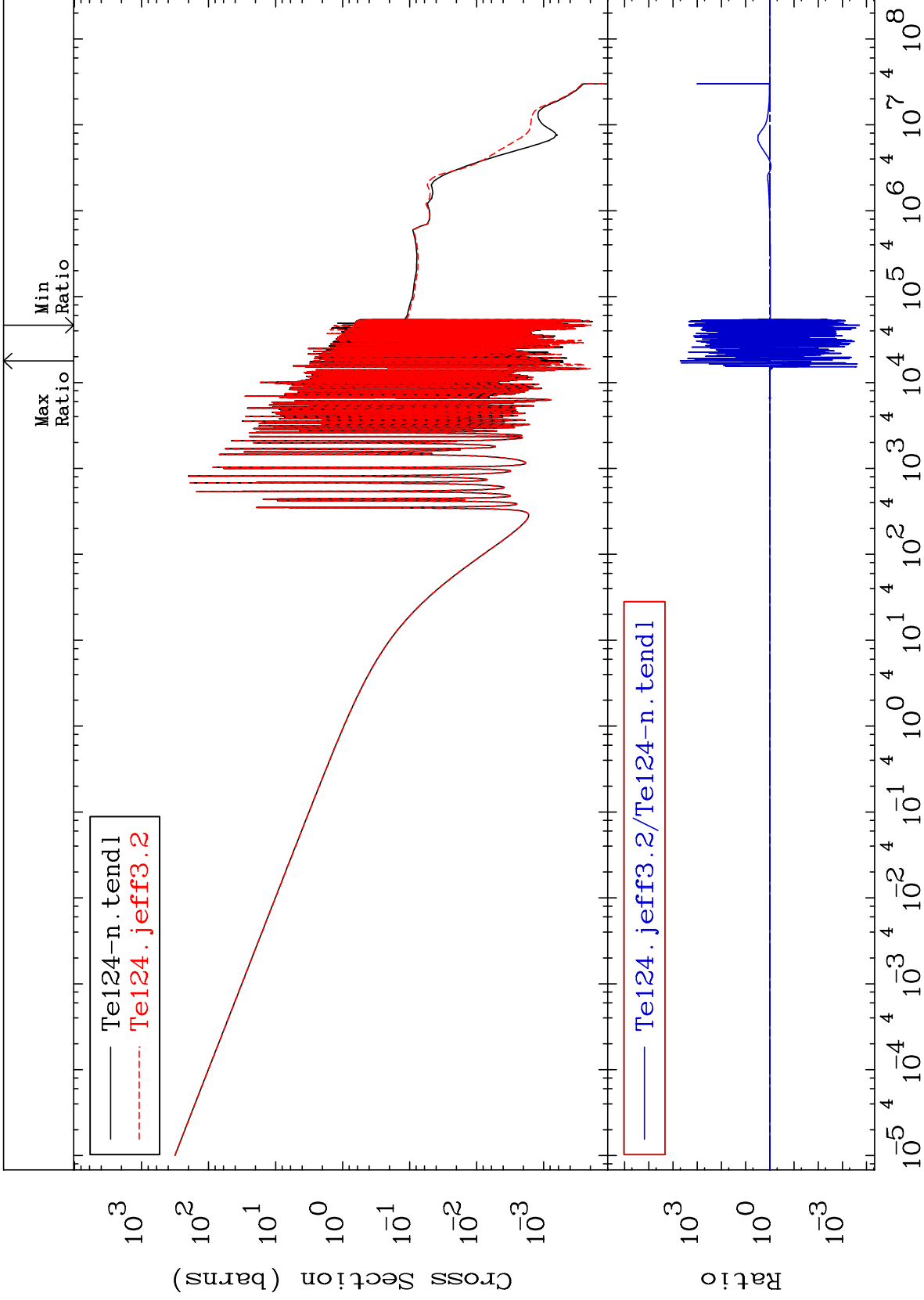
MAT 5237

(n, γ)

52-Te-124

Cross Section

-99.98 To 9999. %



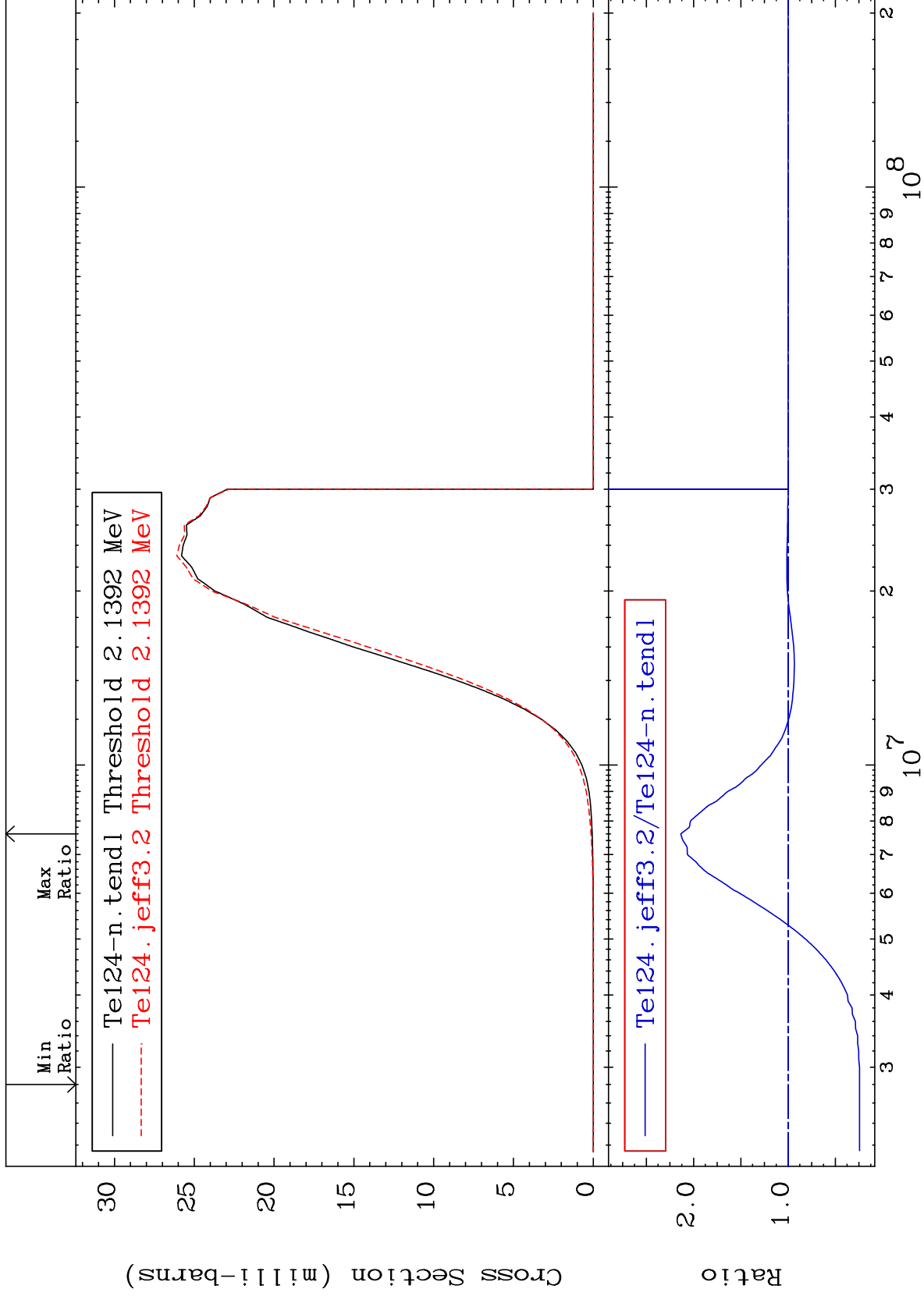
MAT 5237

(n,p)

52-Te-124

Cross Section

-75.64 To 113.5 %



52

Incident Energy (eV)

52-Te-124

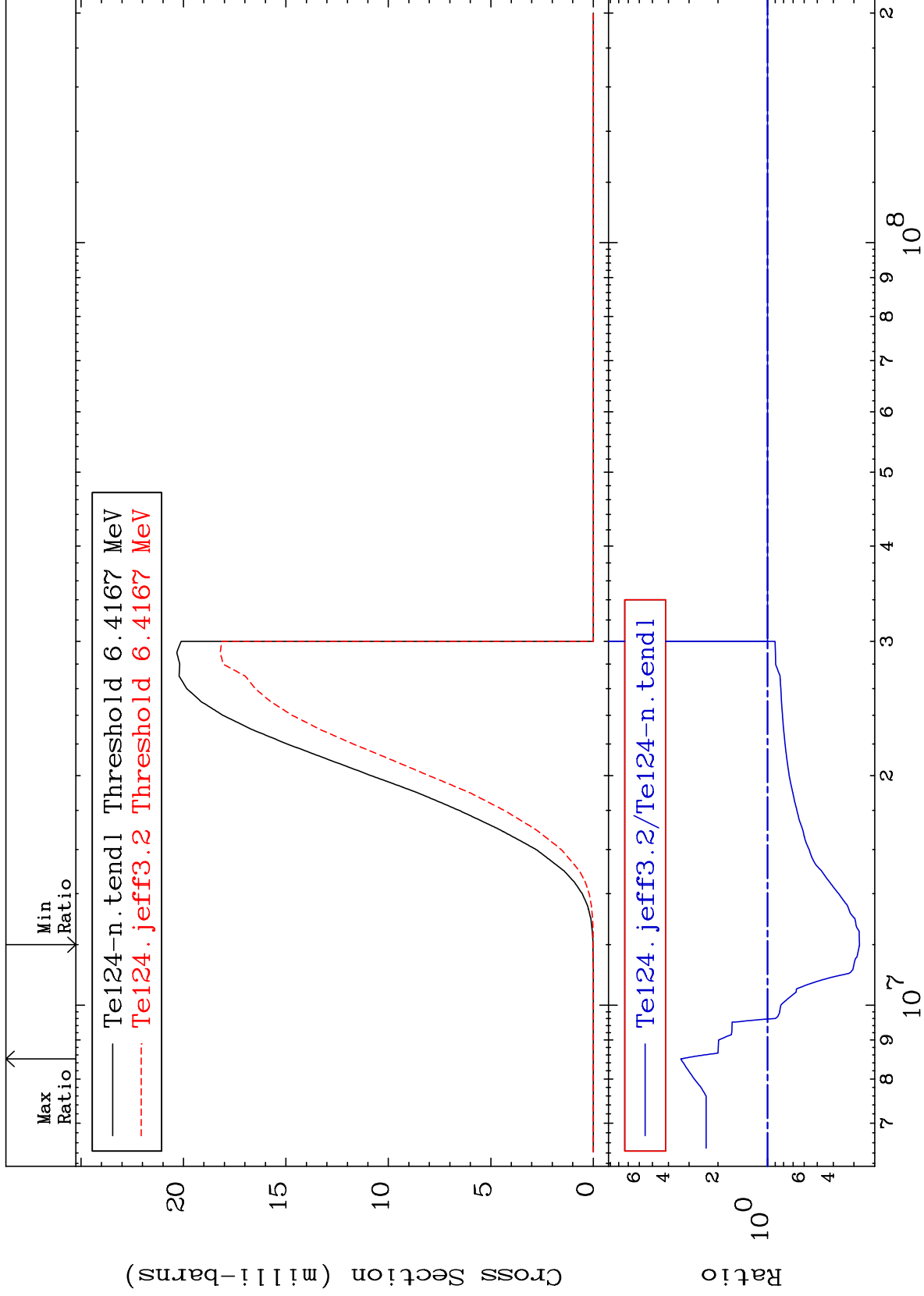
MAT 5237

(n, d)

52-Te-124

Cross Section

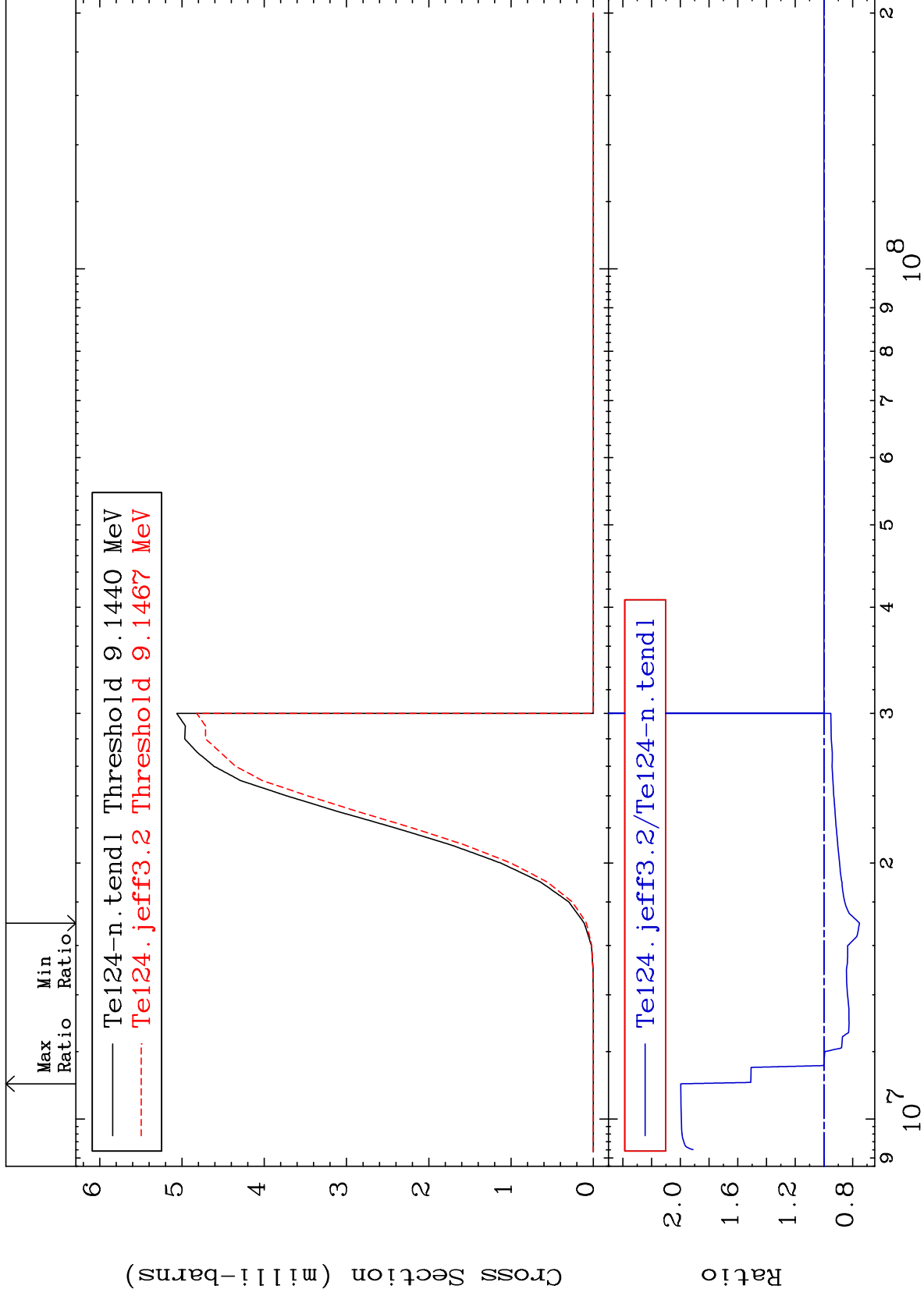
-72.30 To 236.3 %



MAT 5237

(n, t)
Cross Section

52-Te-124
-24.81 To 99.71 %



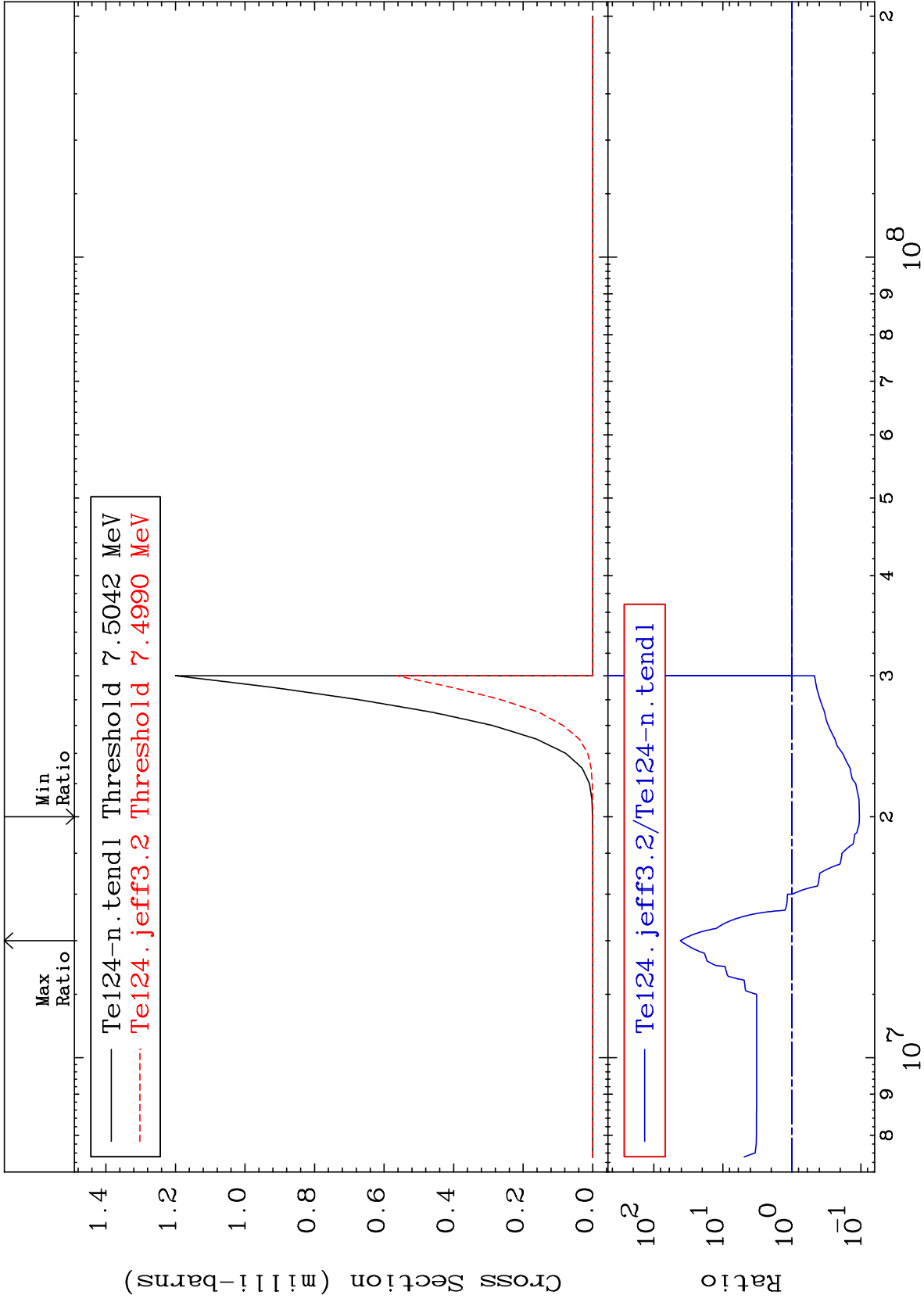
MAT 5237

(n, He-3)

52-Te-124

Cross Section

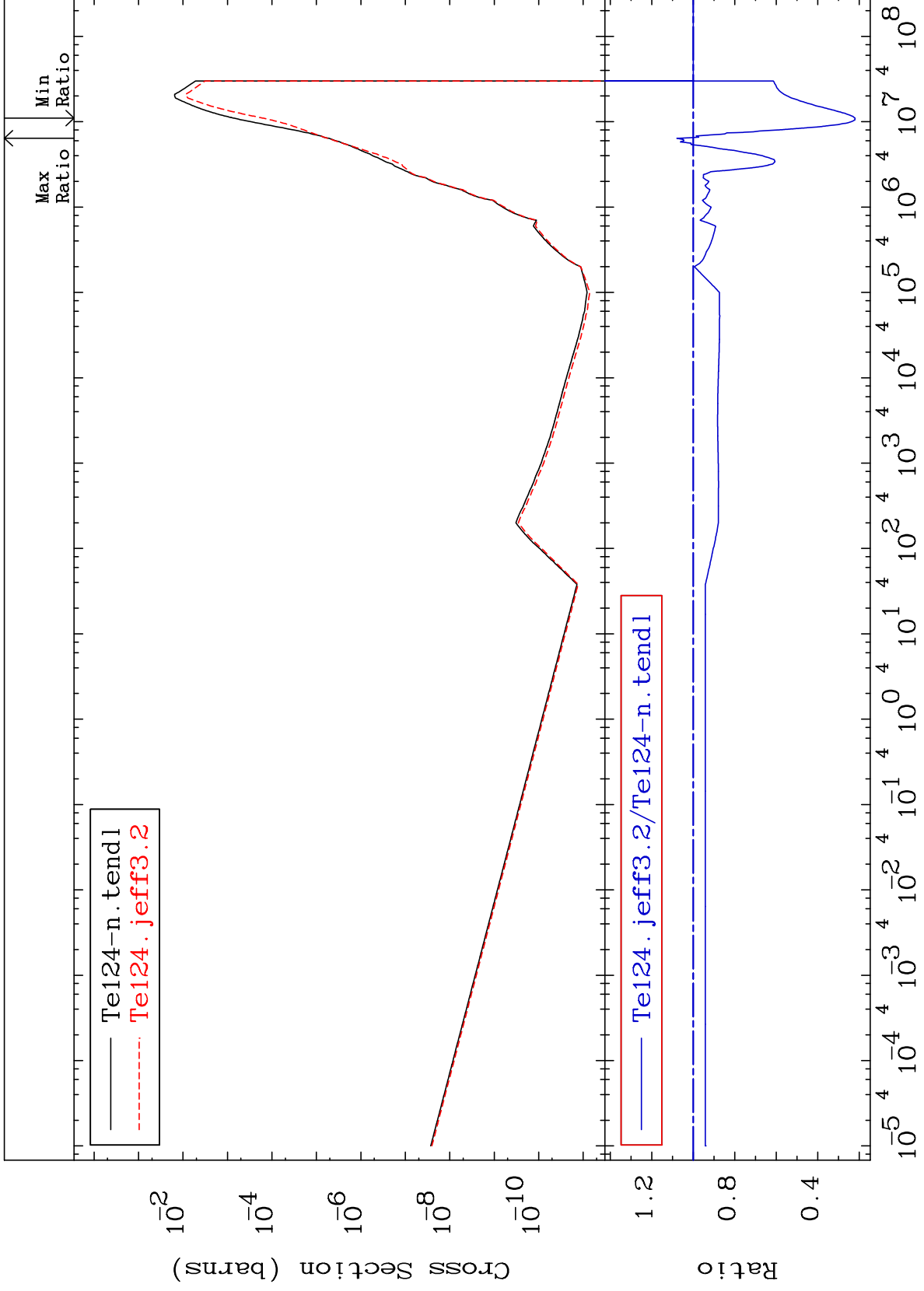
-89.49 To 4038. %



MAT 5237

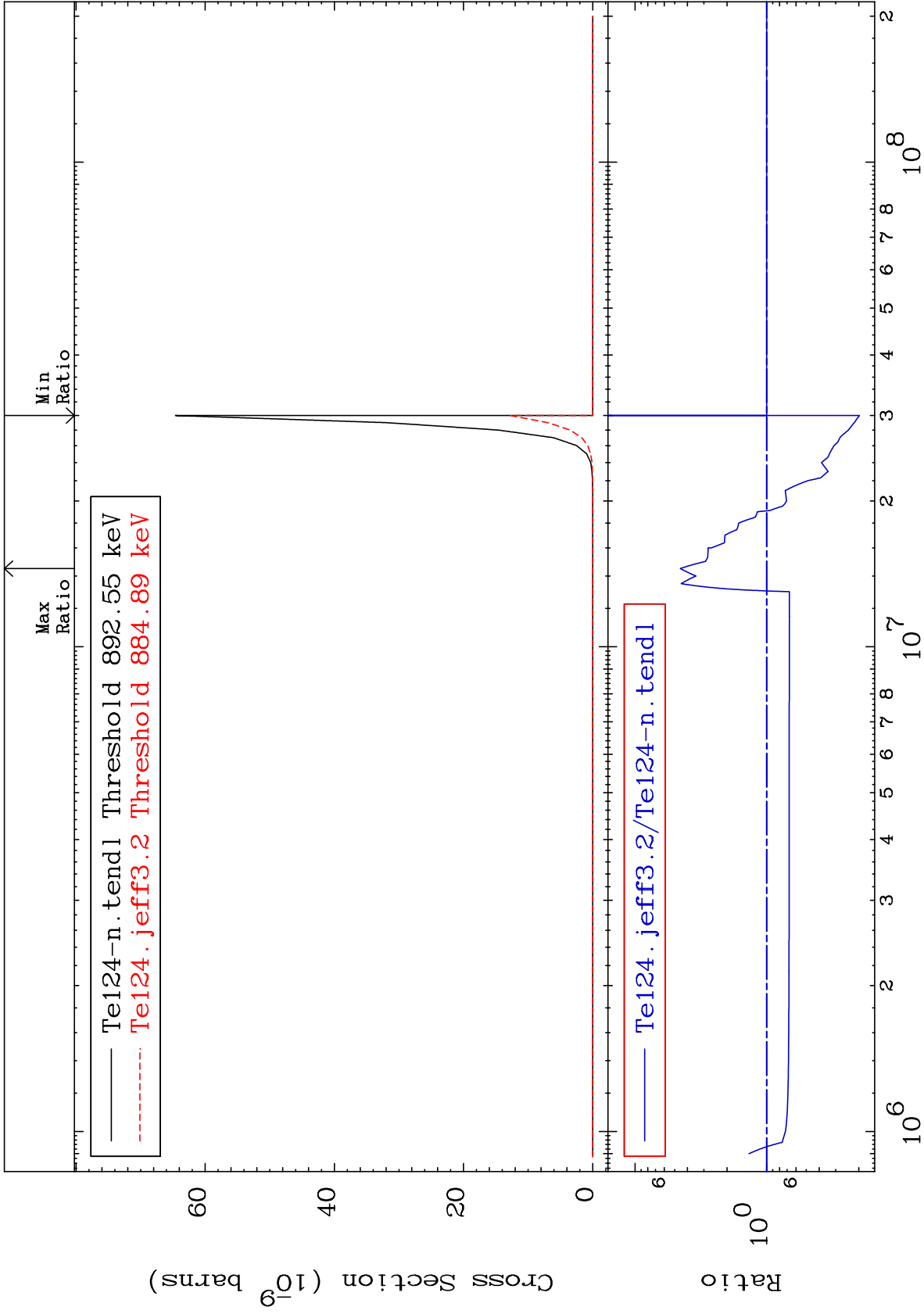
(n, α)
Cross Section

52-Te-124
-77.96 To 7.873 %



Cross Section

-80.24 To 352.9 %



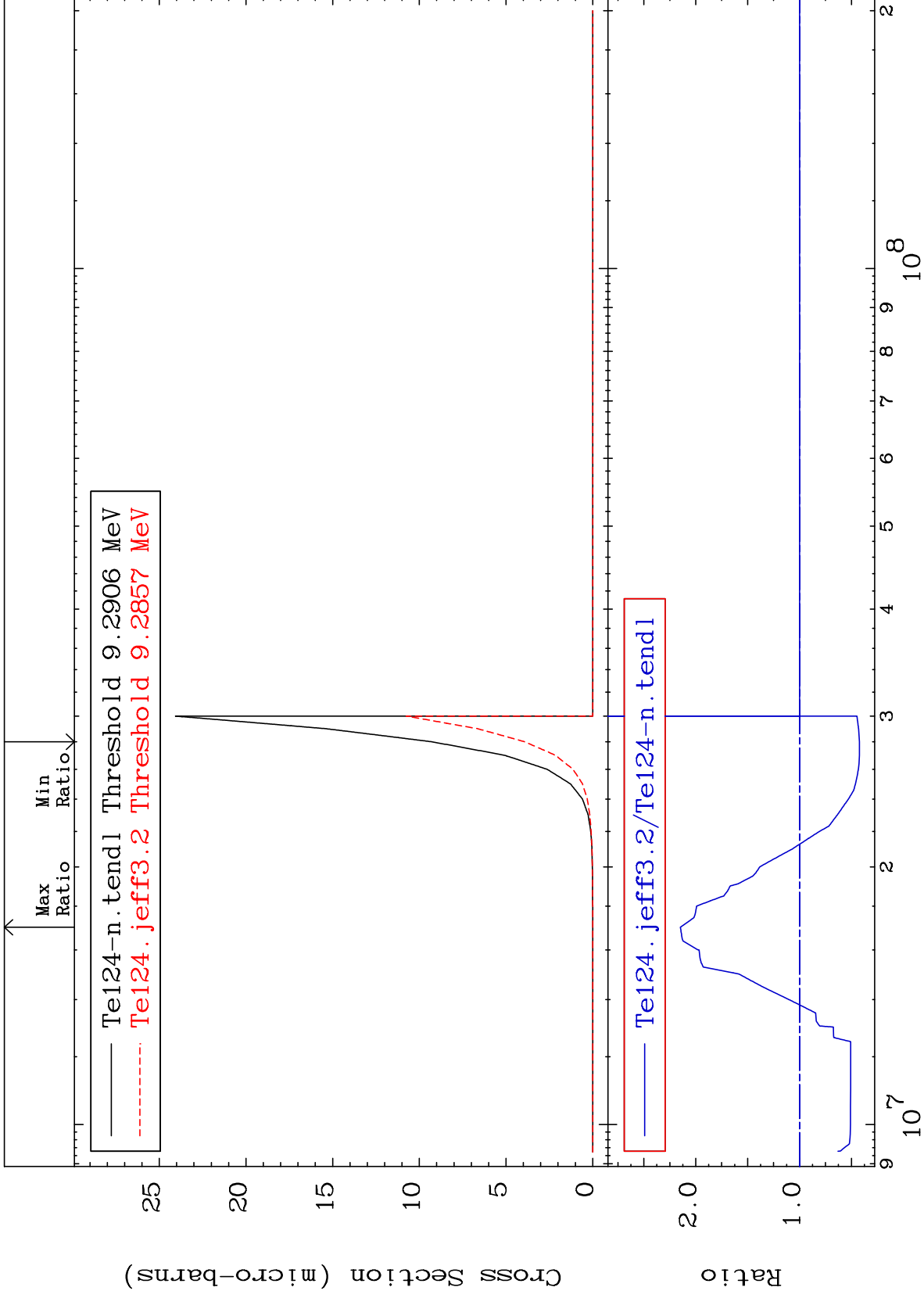
MAT 5237

(n,2p)

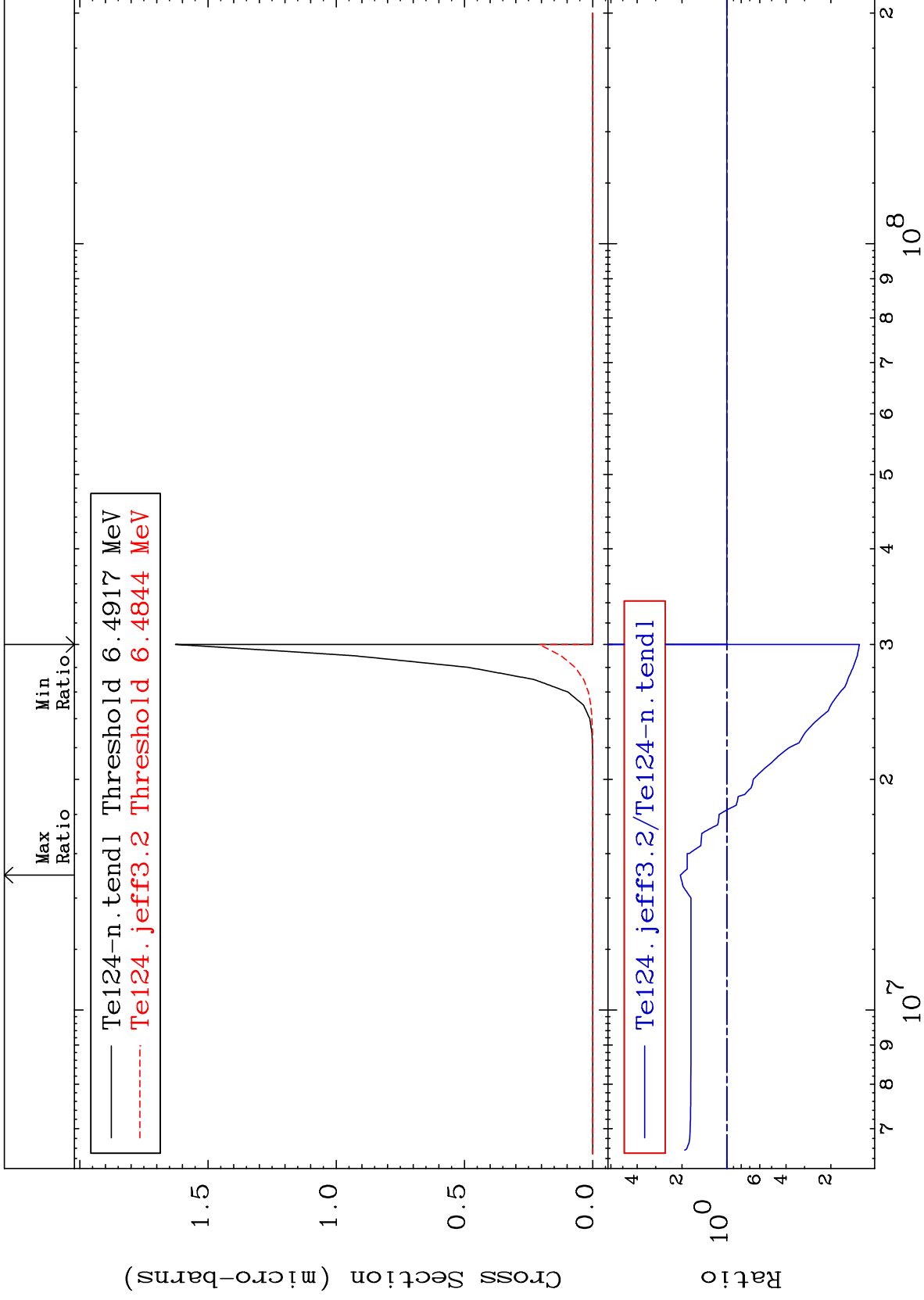
52-Te-124

Cross Section

-57.71 To 114.8 %



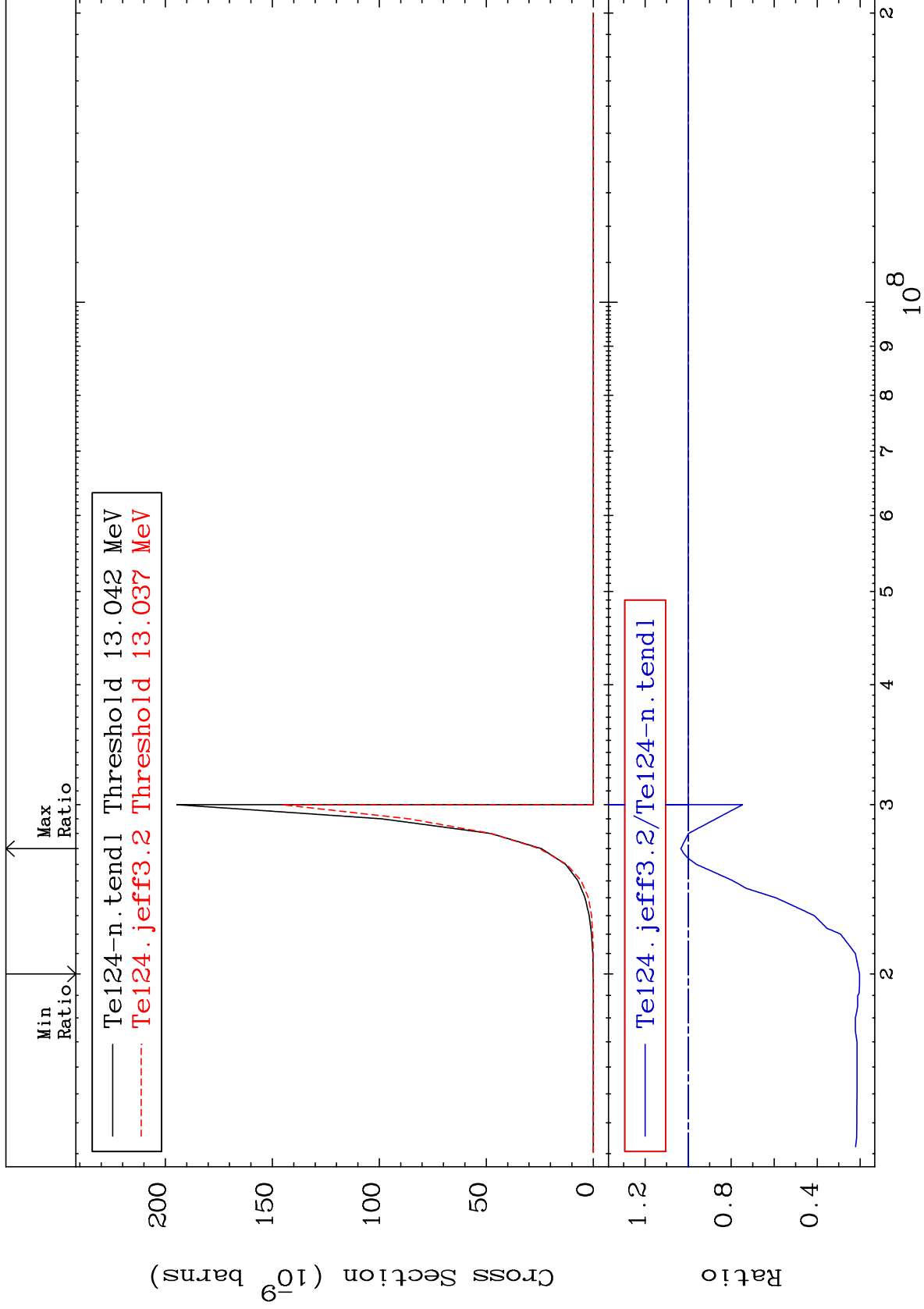
Cross Section



MAT 5237

(n, p) d
Cross Section

52-Te-124
-79.66 To 3.443 %



60

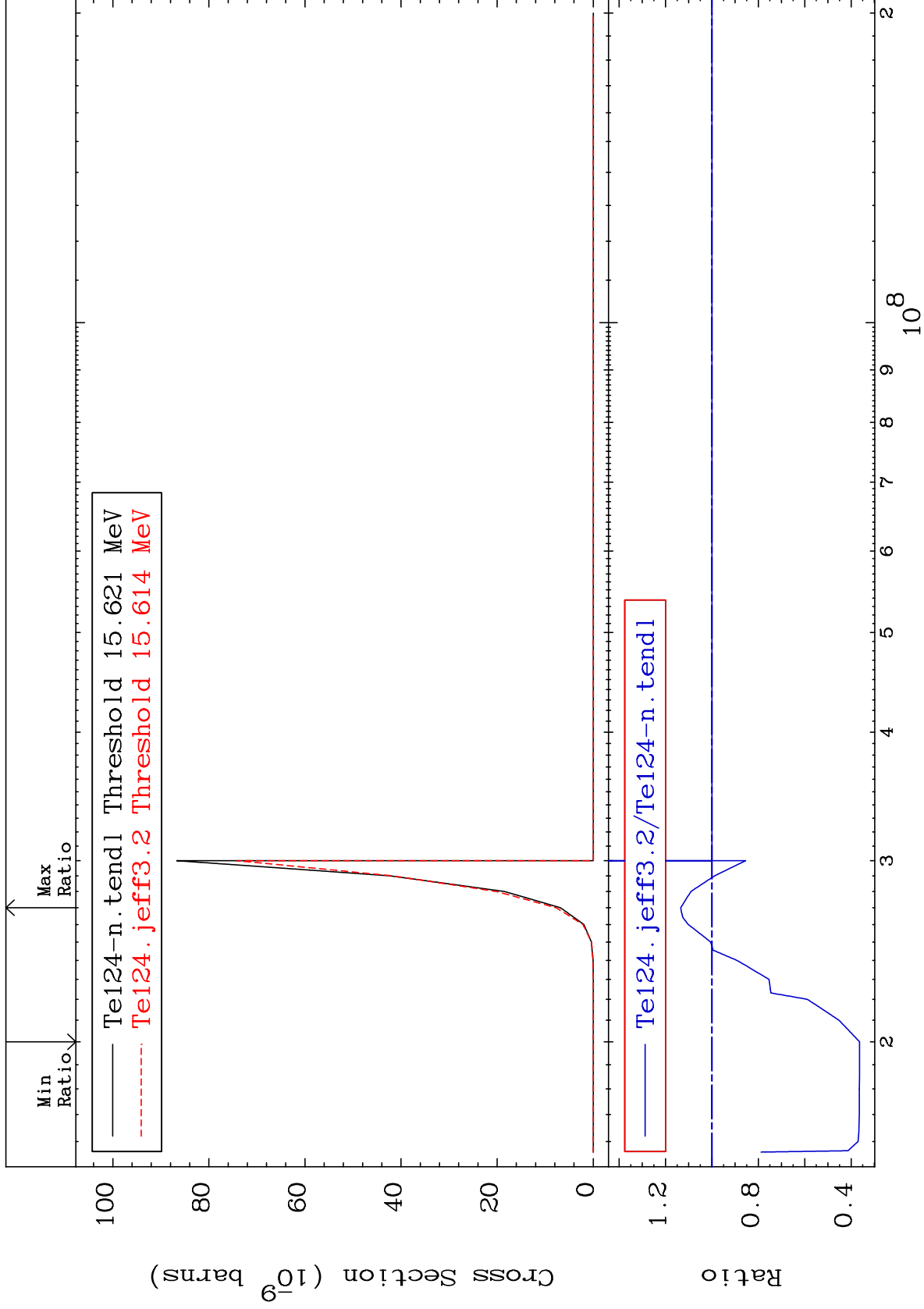
Incident Energy (eV)

52-Te-124

MAT 5237

(n,p) t
Cross Section

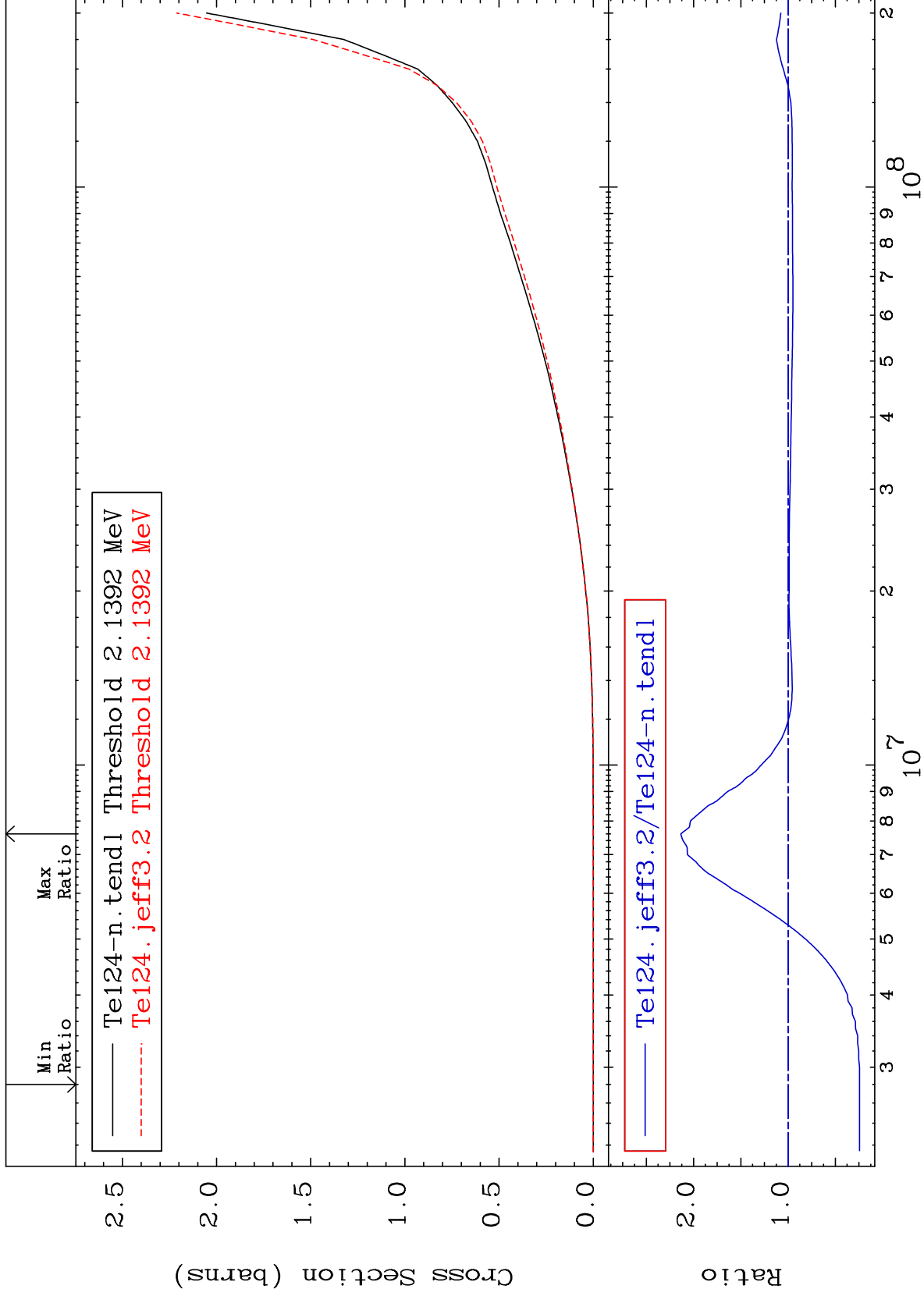
52-Te-124
-63.63 To 13.42 %



61

Incident Energy (eV)

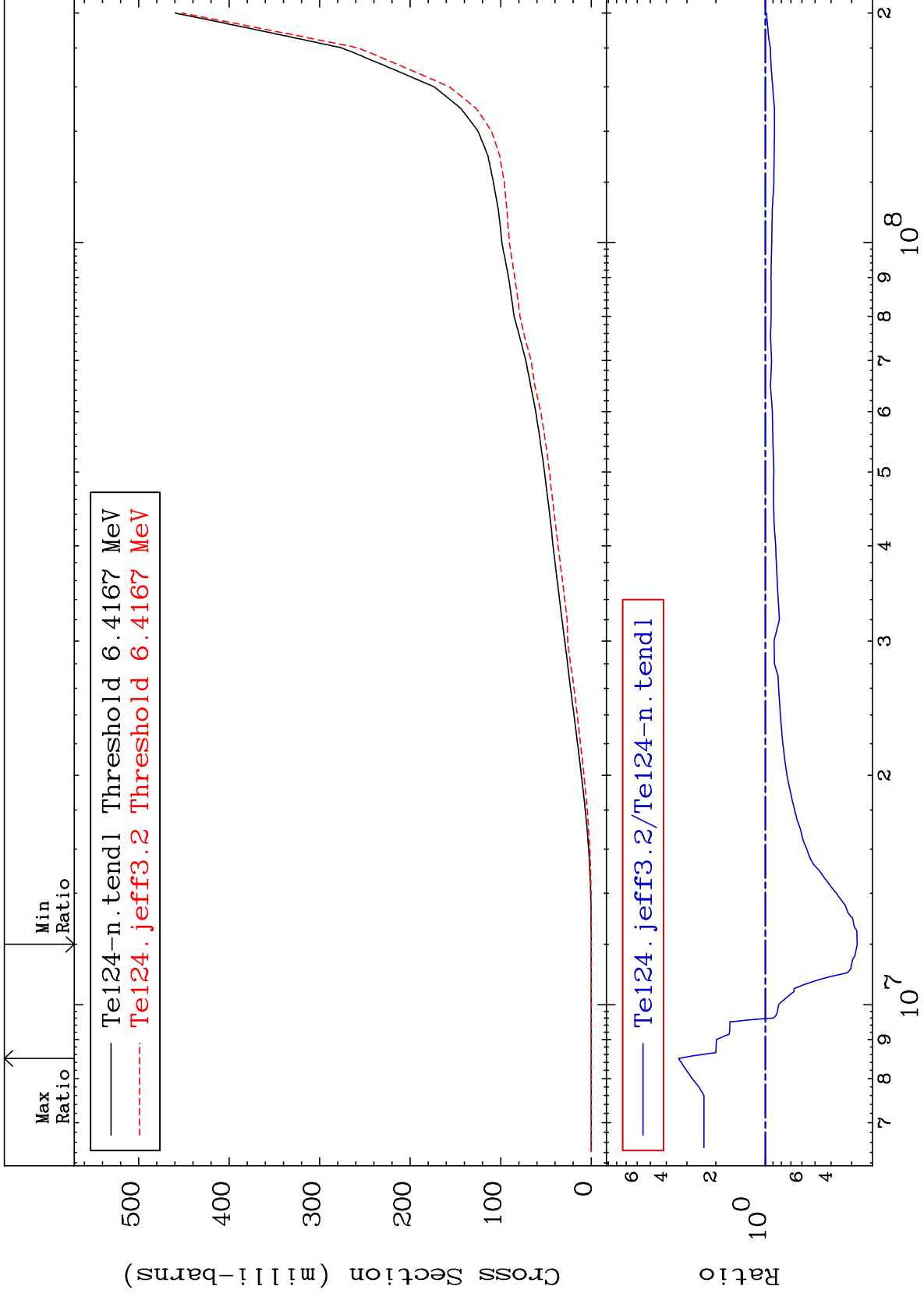
52-Te-124



MAT 5237

Deuterium Production
Cross Section

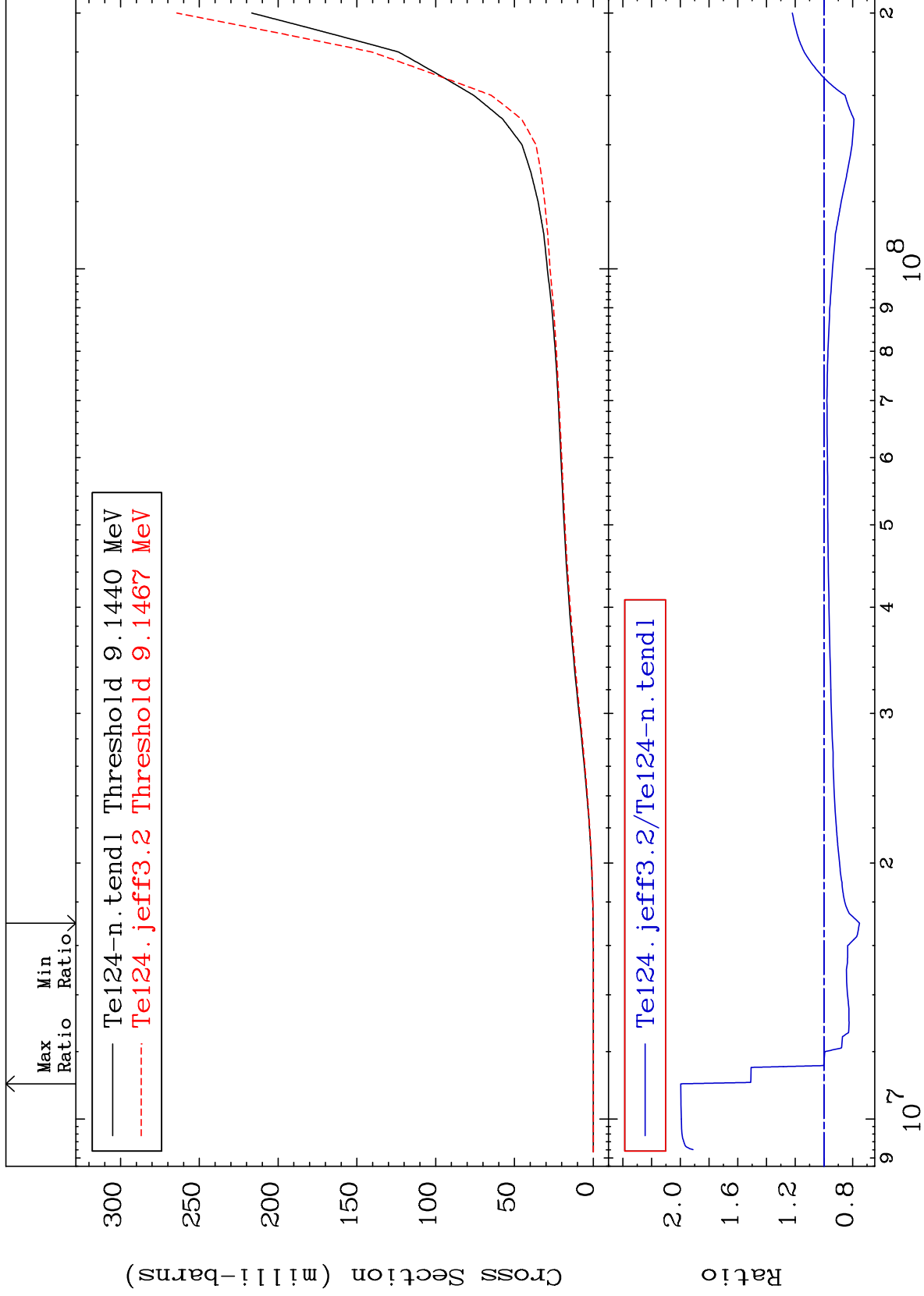
52-Te-124
-72.30 To 236.3 %



MAT 5237

Tritium Production
Cross Section

52-Te-124
-24.81 To 99.71 %



64

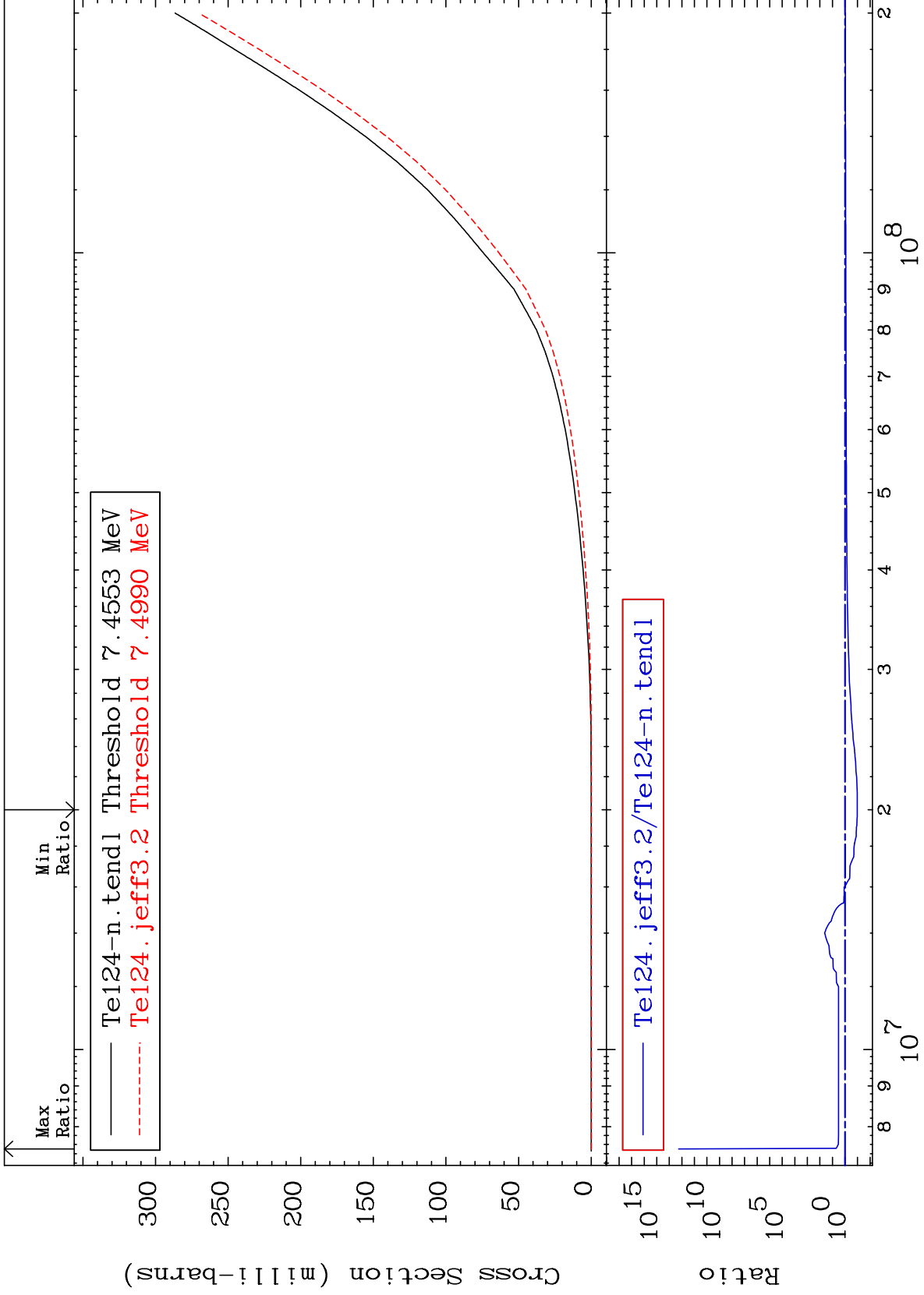
Incident Energy (eV)

52-Te-124

MAT 5237

He-3 Production
Cross Section

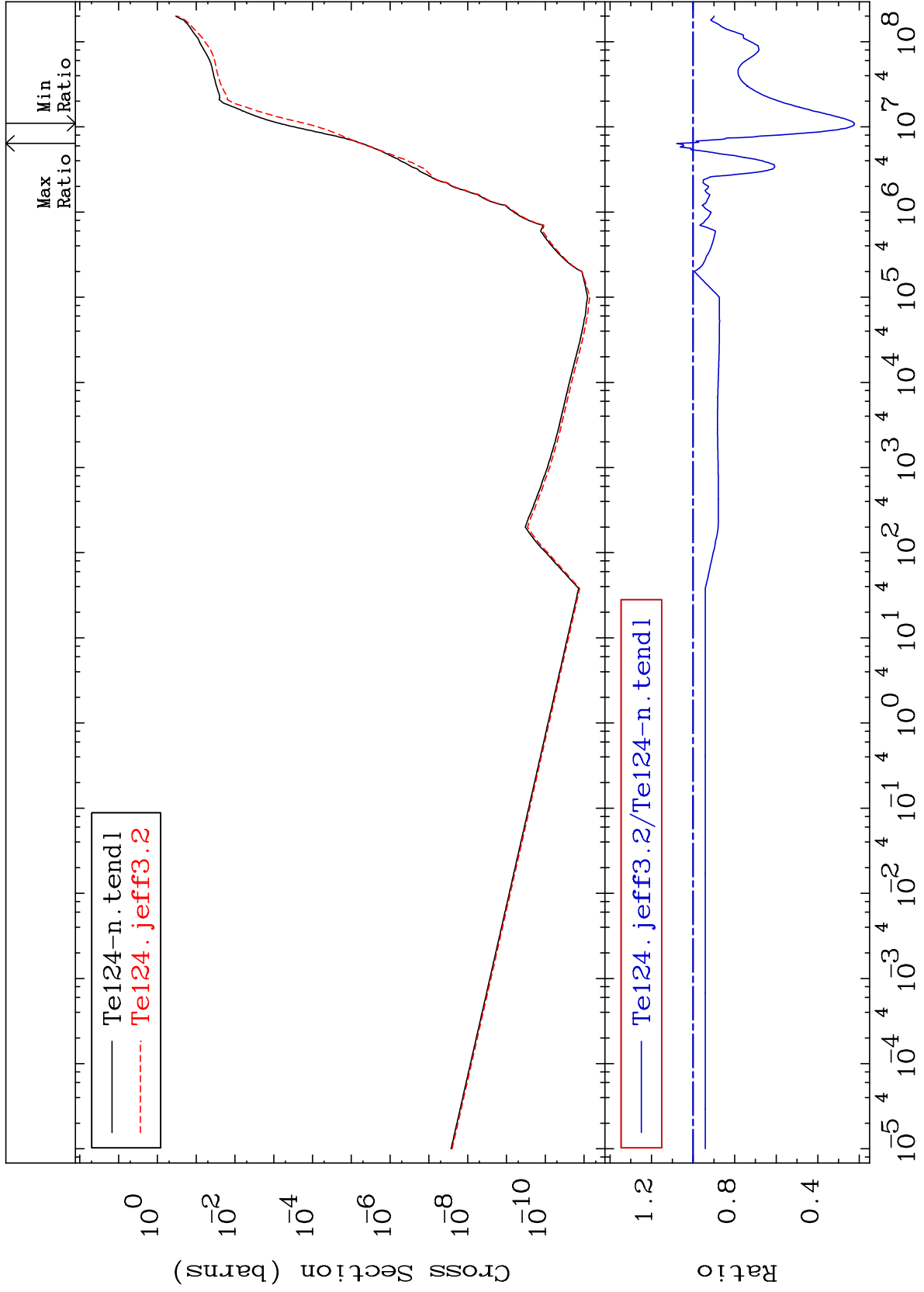
52-Te-124
-89.49 To 9999. %

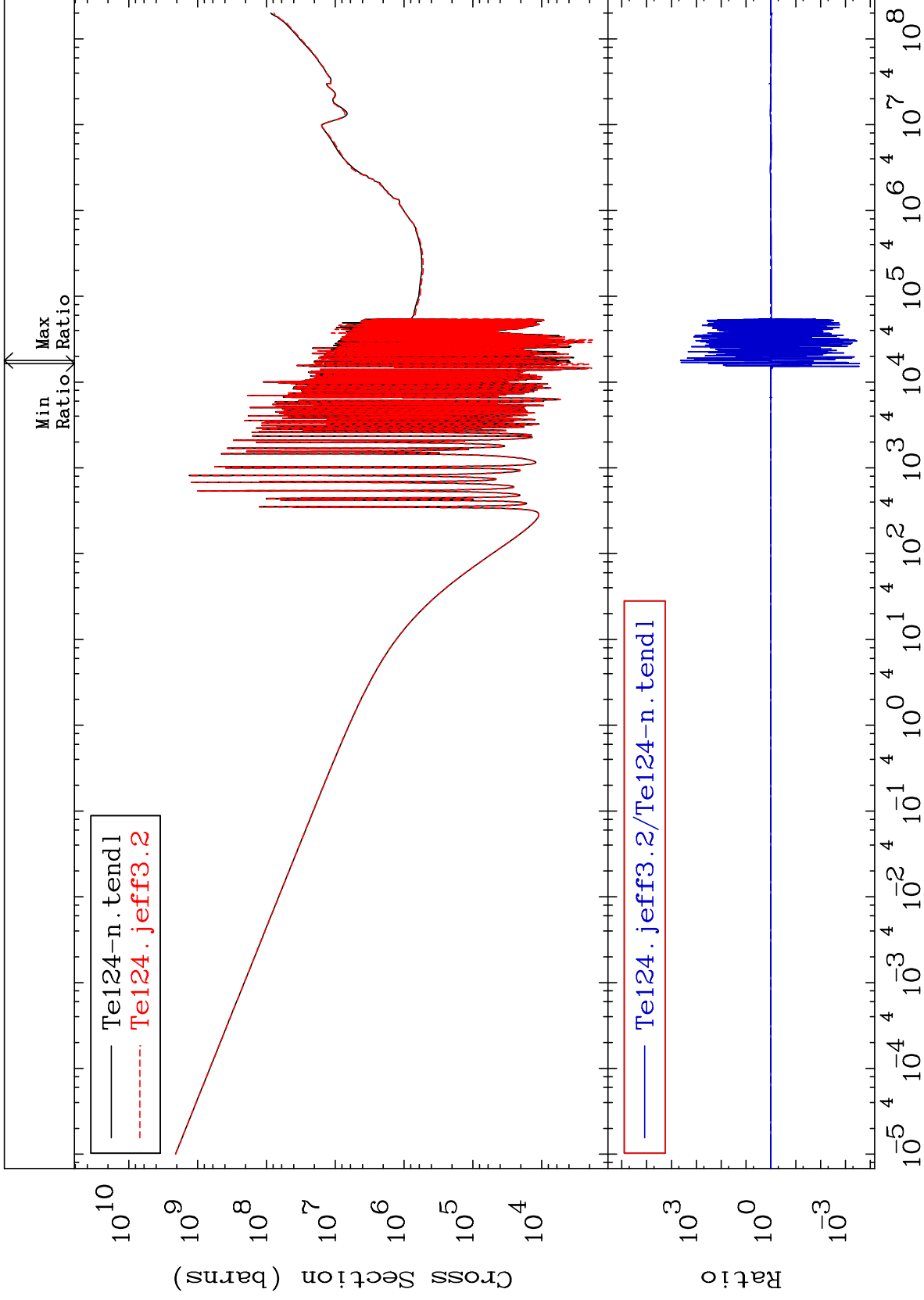


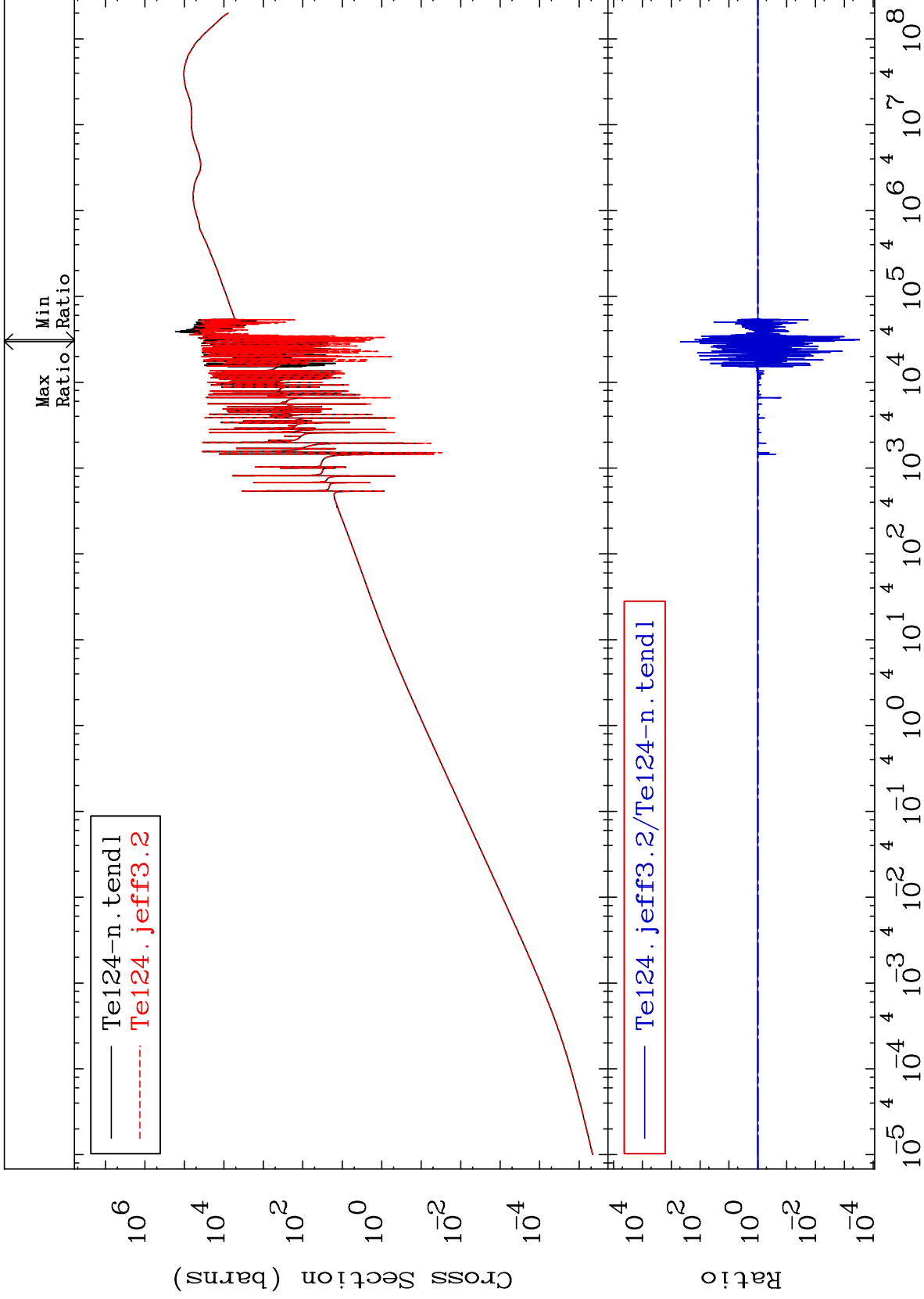
65

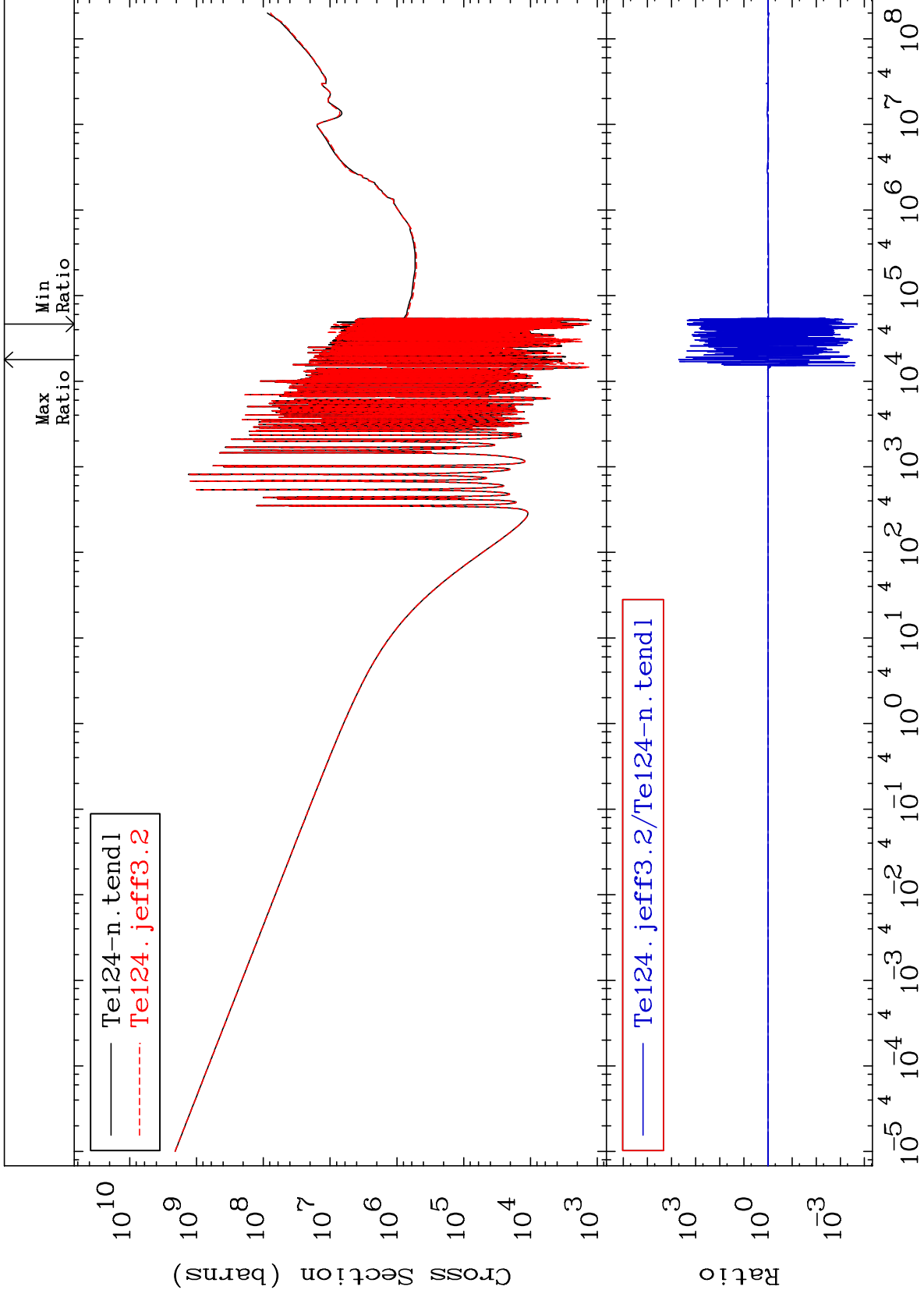
Incident Energy (eV)

52-Te-124





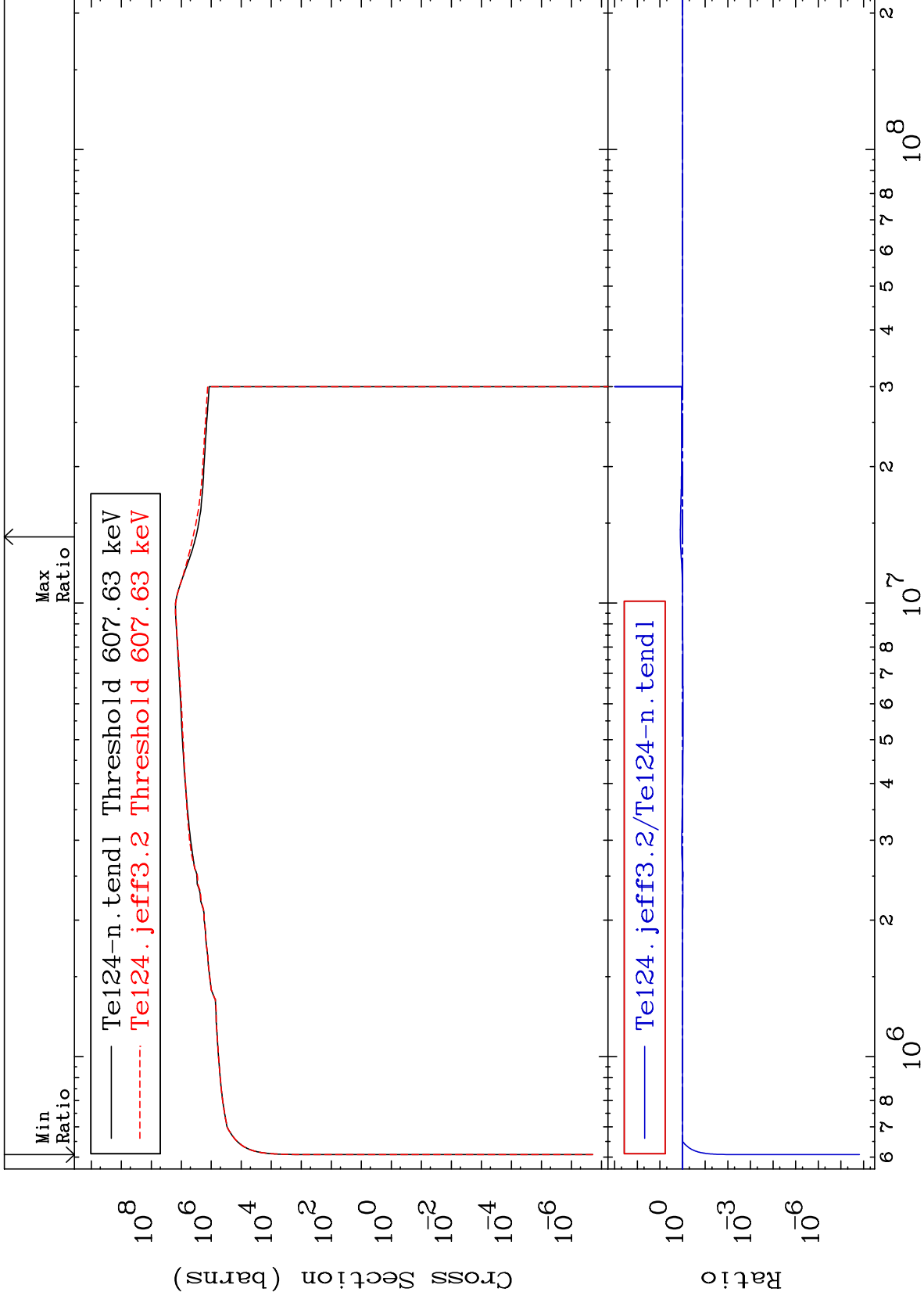




MAT 5237

Kerma inelastic (mt51-91)
Cross Section

52-Te-124
-100.0 To 24.60 %



70

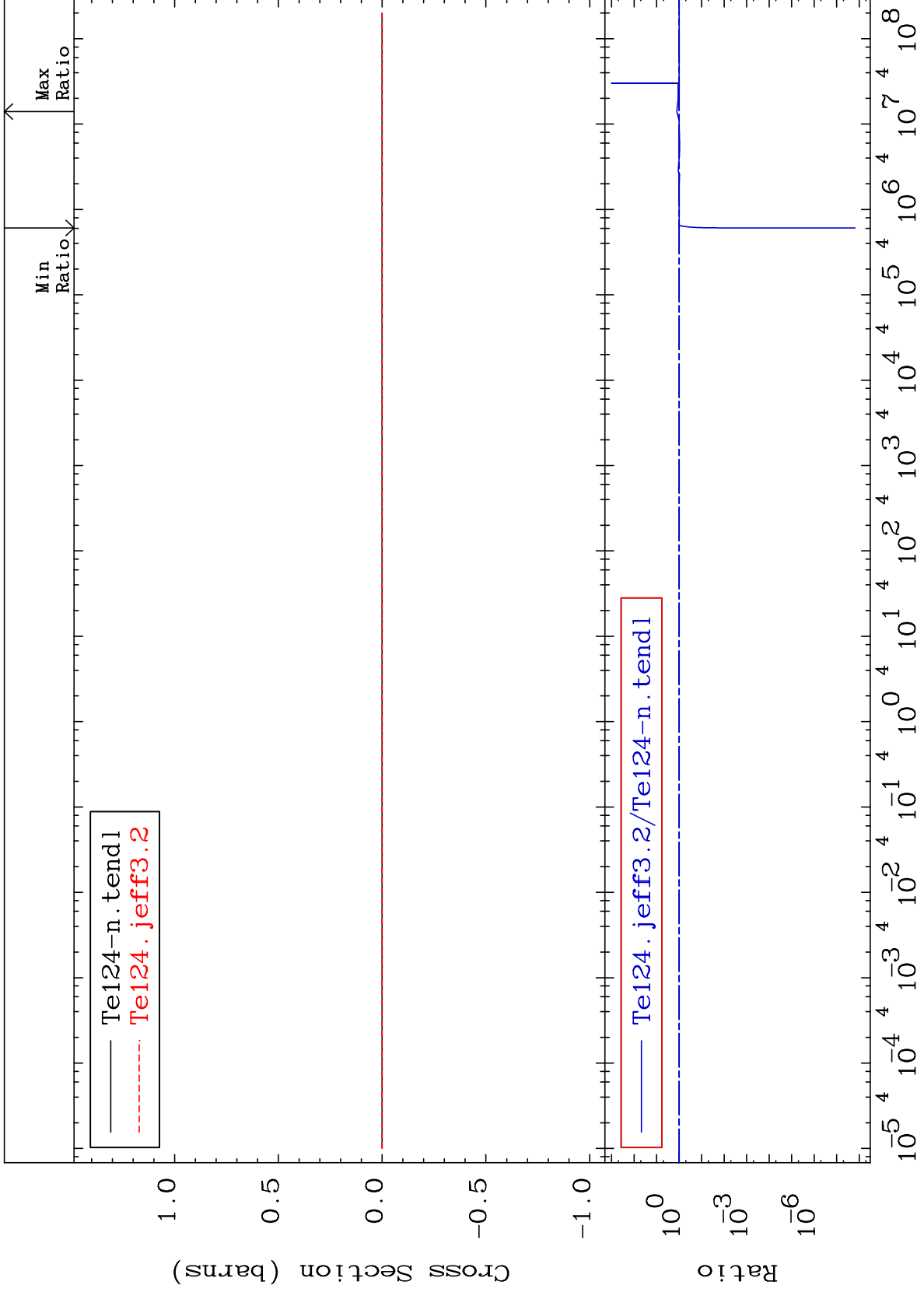
Incident Energy (eV)

52-Te-124

MAT 5237

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

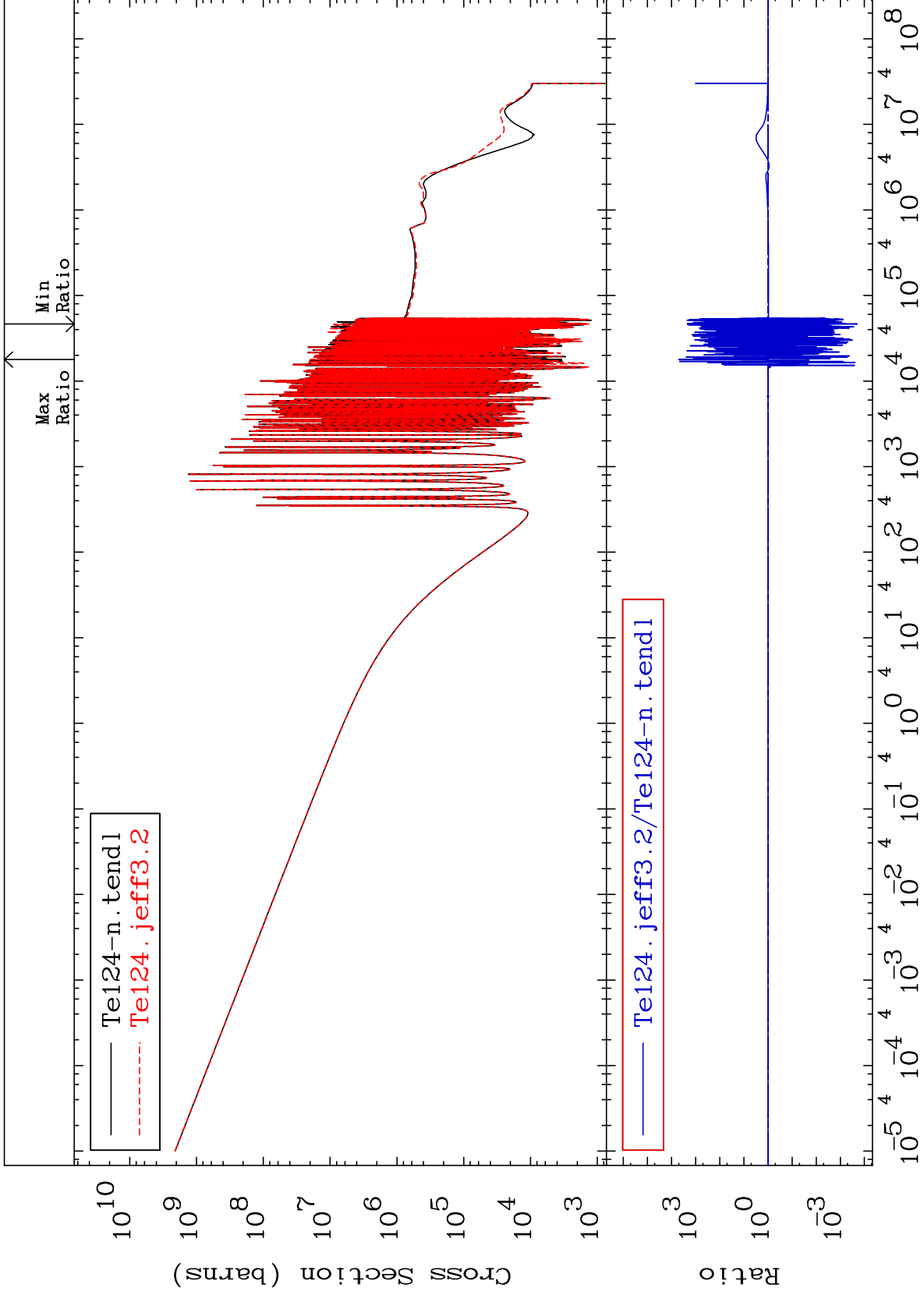
52-Te-124
-100.0 To 24.60 %



MAT 5237

Kerma capture (mt102)
Cross Section

52-Te-124
-99.98 To 9999. %



72

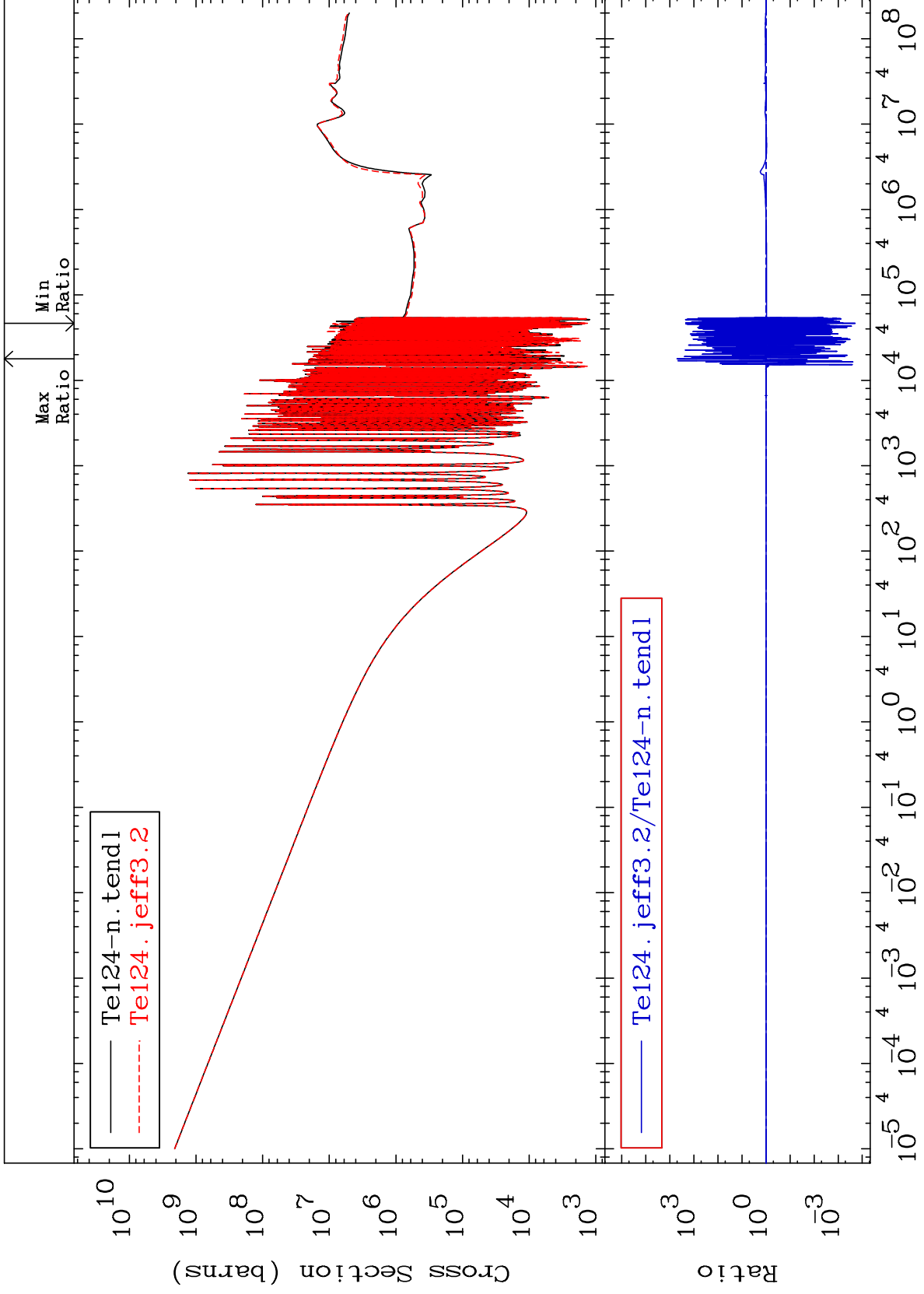
Incident Energy (eV)

52-Te-124

MAT 5237

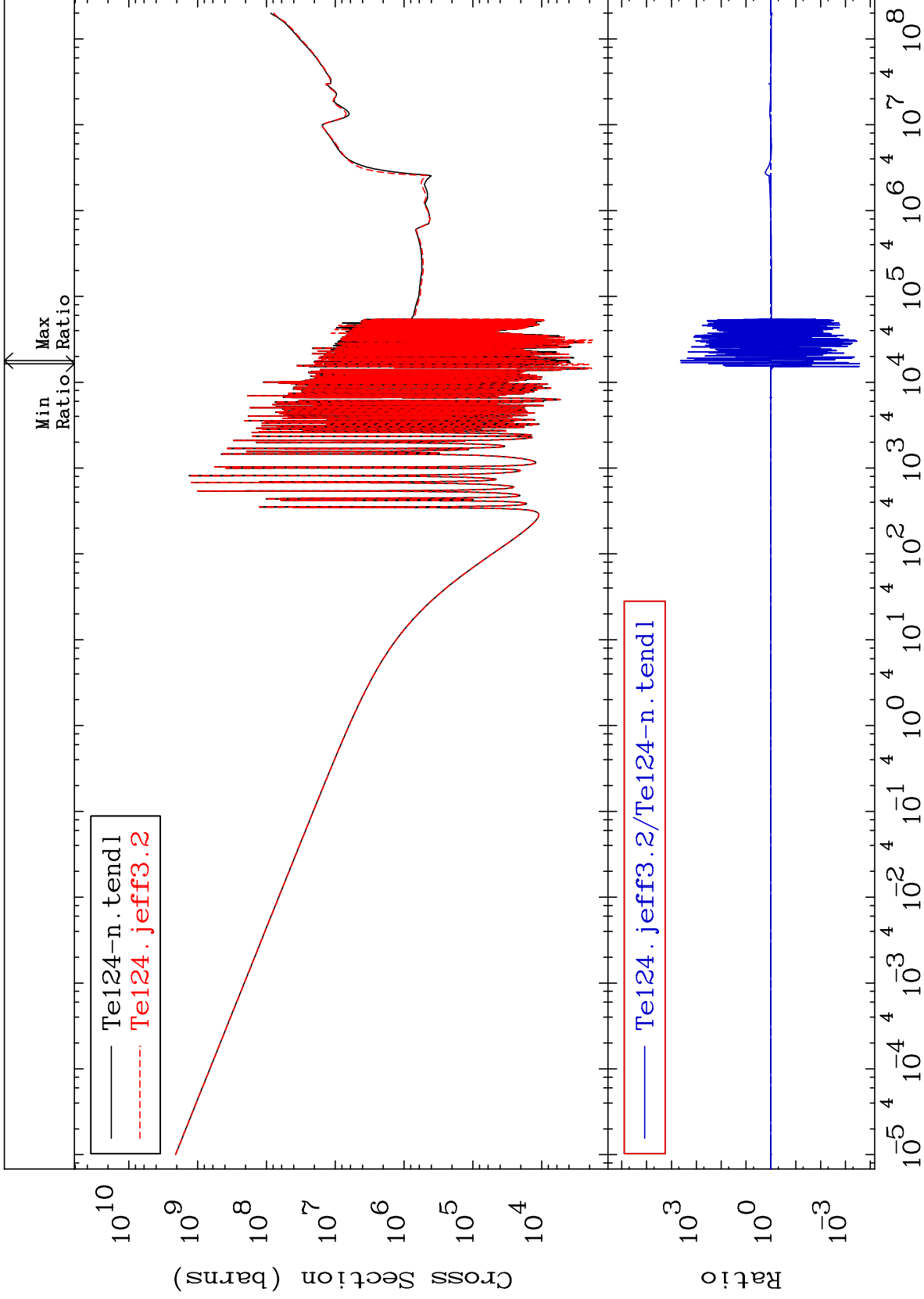
Total photon (eV-barns)
Cross Section

52-Te-124
-99.98 To 9999. %



73

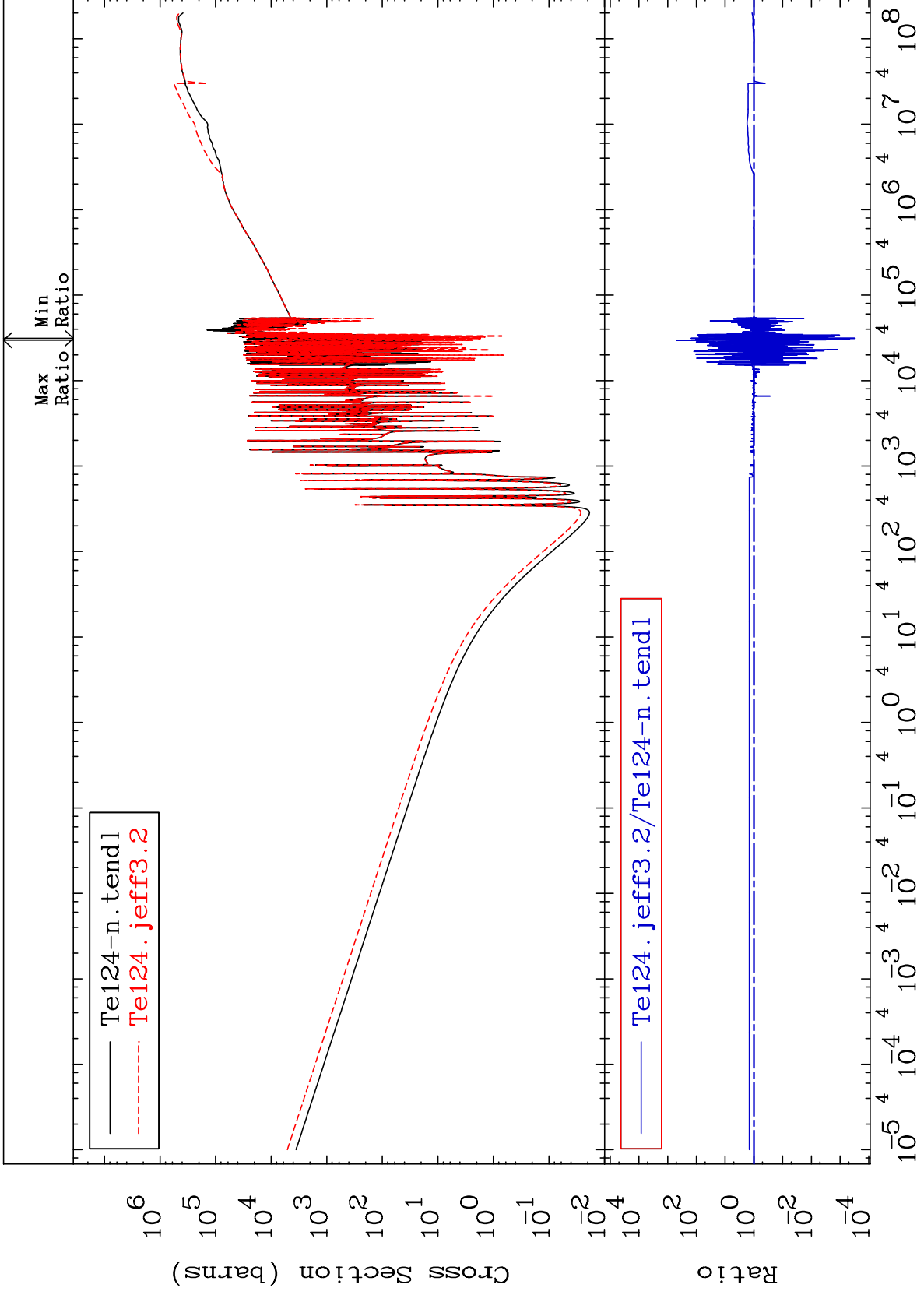
52-Te-124



MAT 5237

Dpa total (eV-barns)
Cross Section

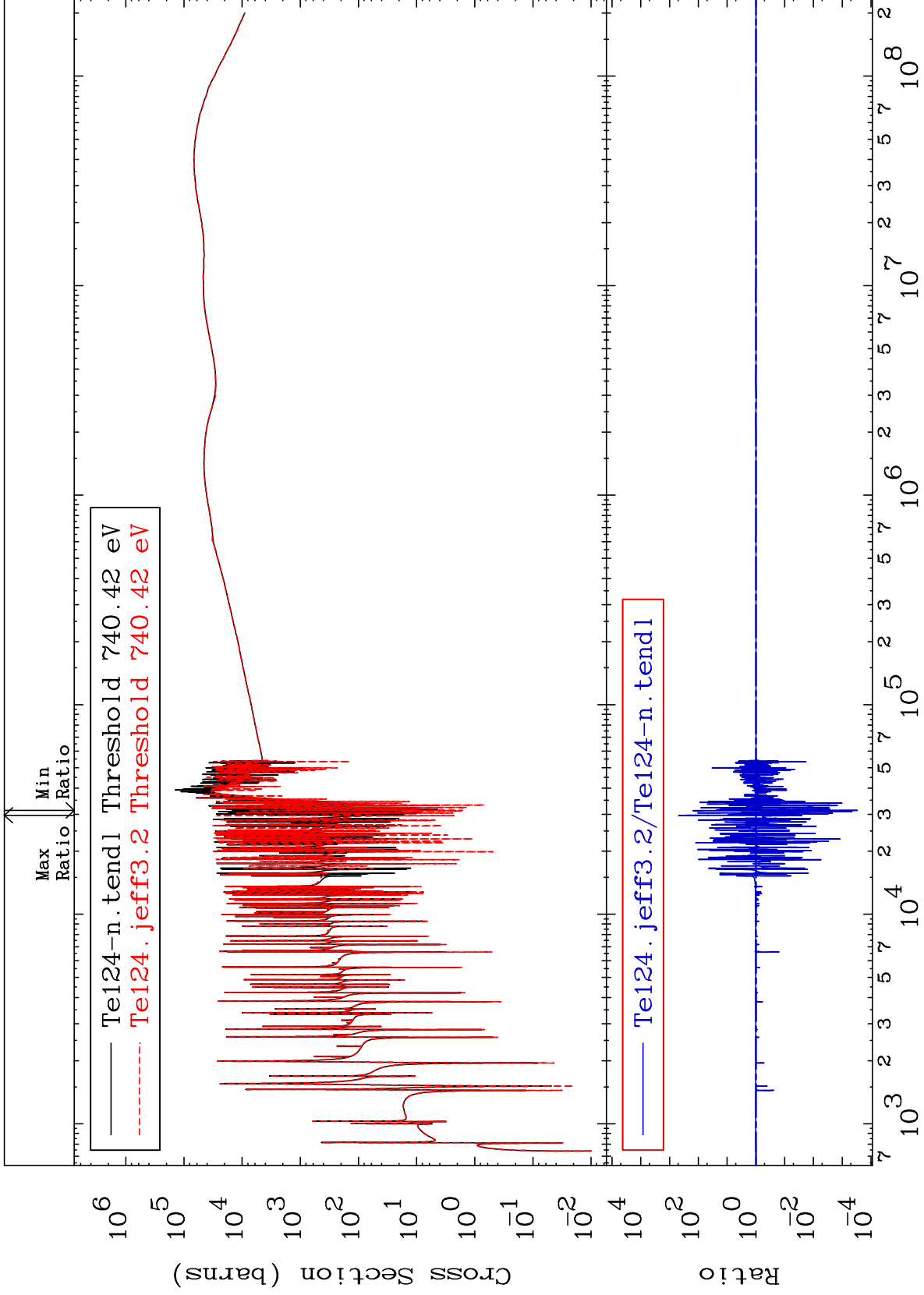
52-Te-124
-99.97 To 9999. %

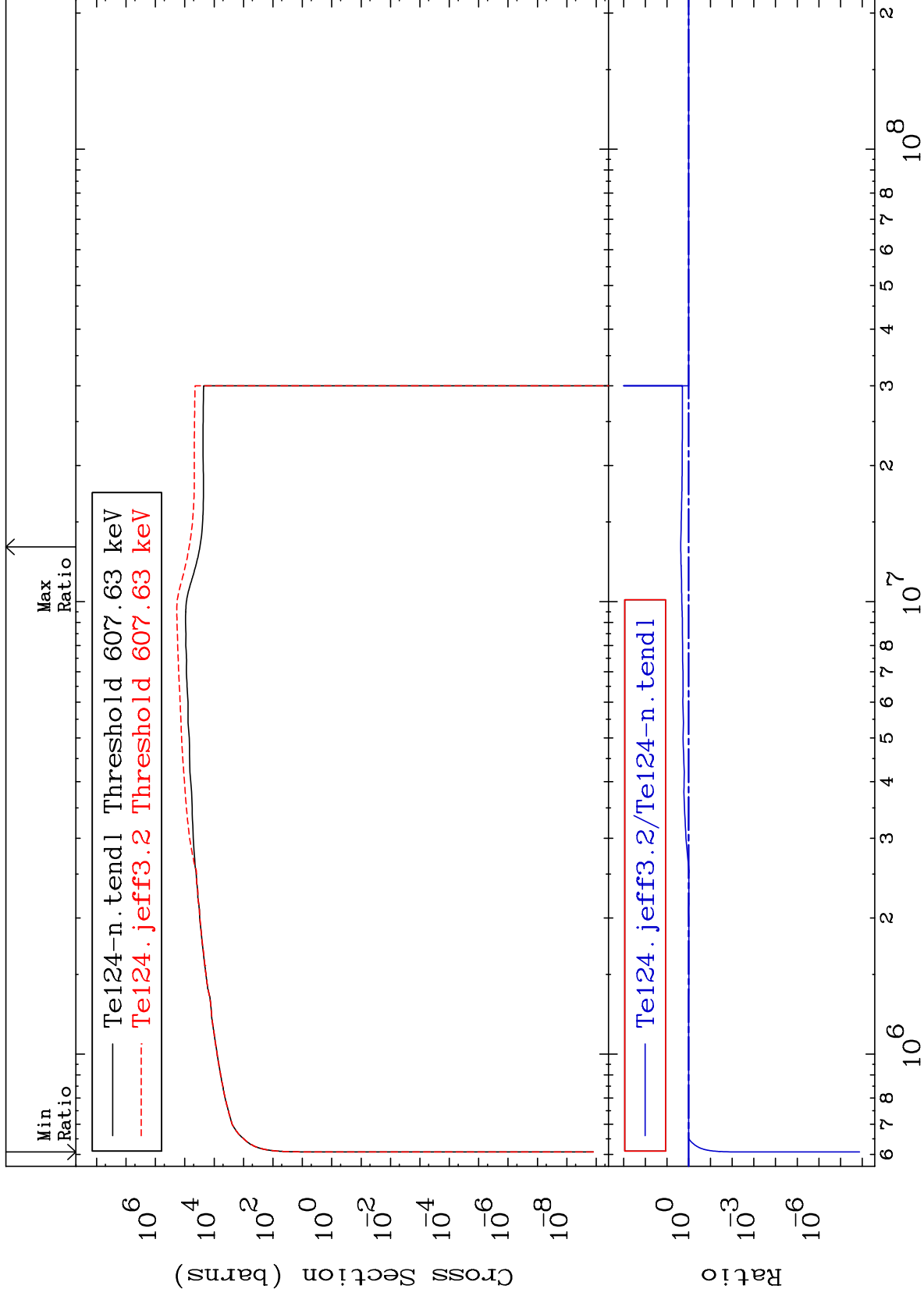


75

Incident Energy (eV)

52-Te-124

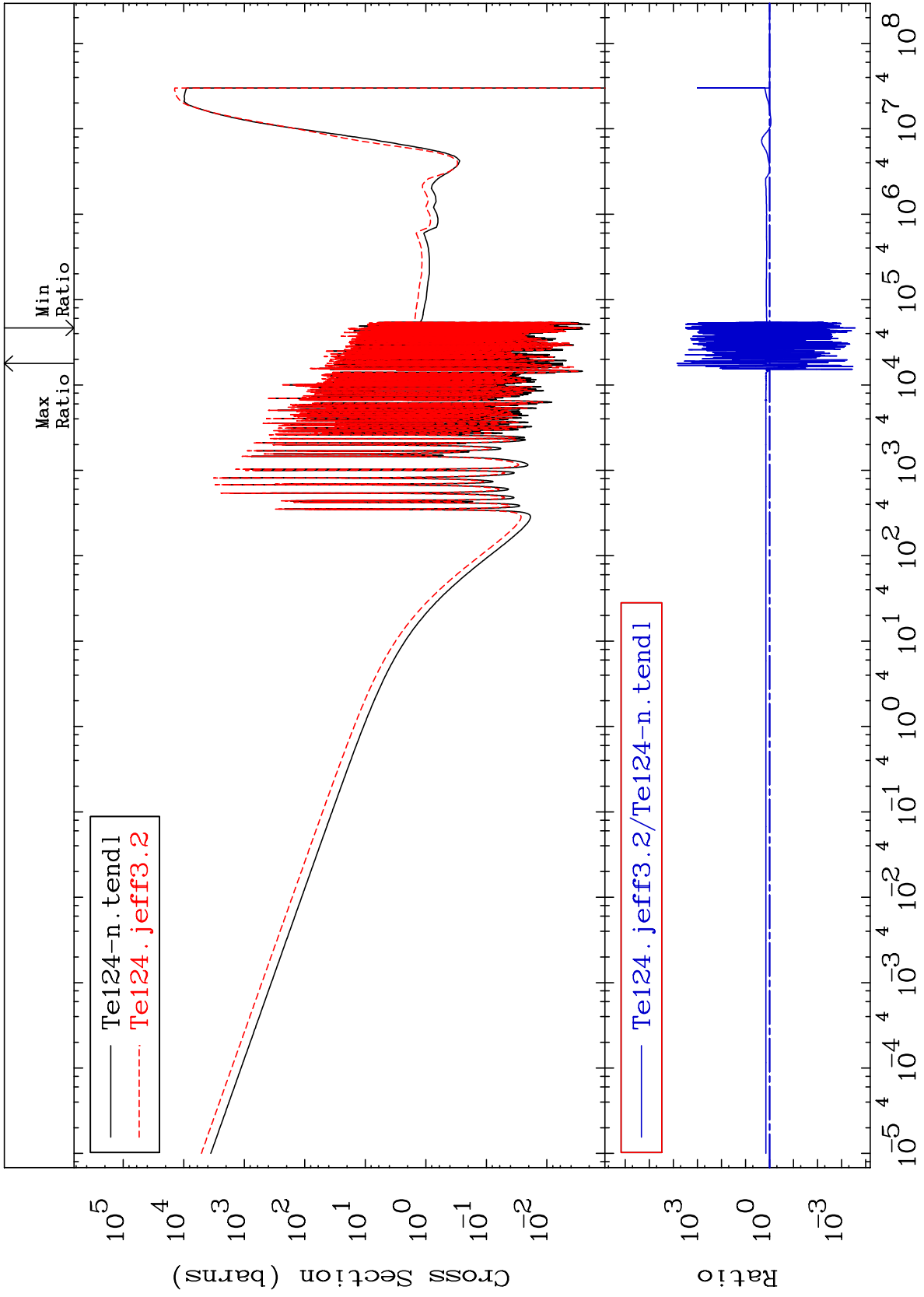




MAT 5237

Dpa disappearance (mt102 -120)
Cross Section

52-Te-124
-99.97 To 9999. %

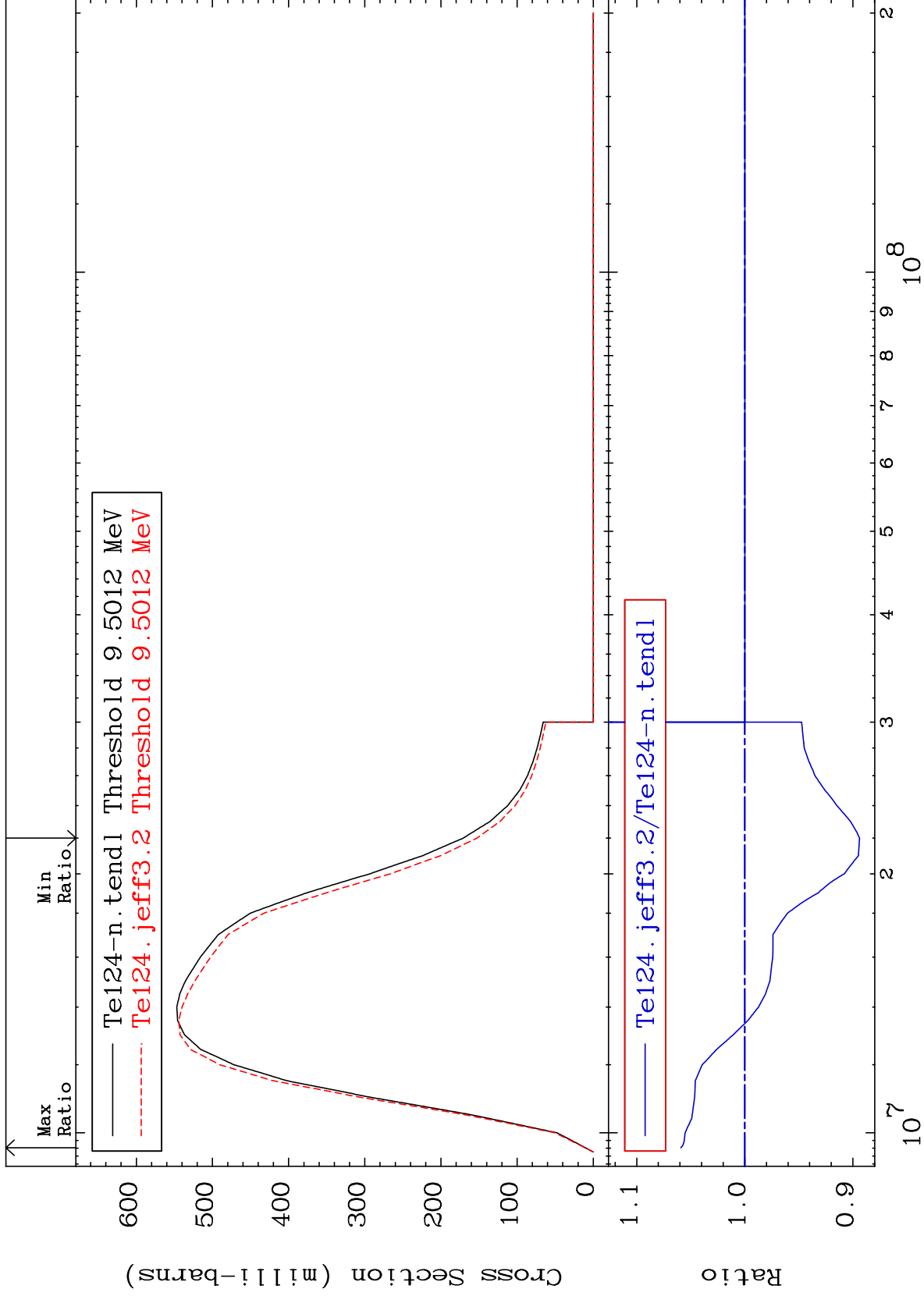


MAT 5237

(n,2n):52-Te-123g

52-Te-124

Radionuclide Production Cross Section -10.61 To 5.925 %



79

Incident Energy (eV)

52-Te-124

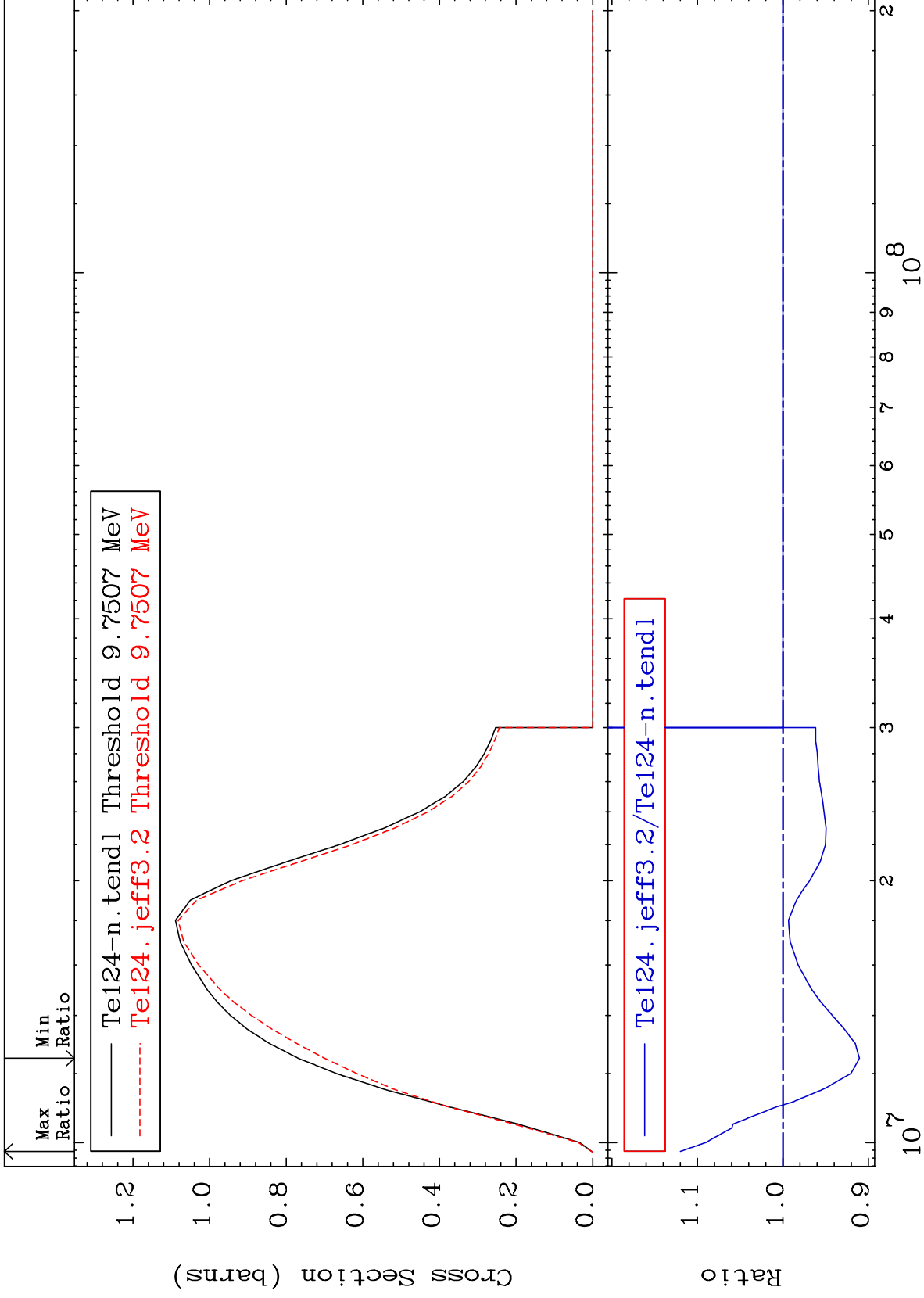
MAT 5237

(n,2n):52-Te-123m2

52-Te-124

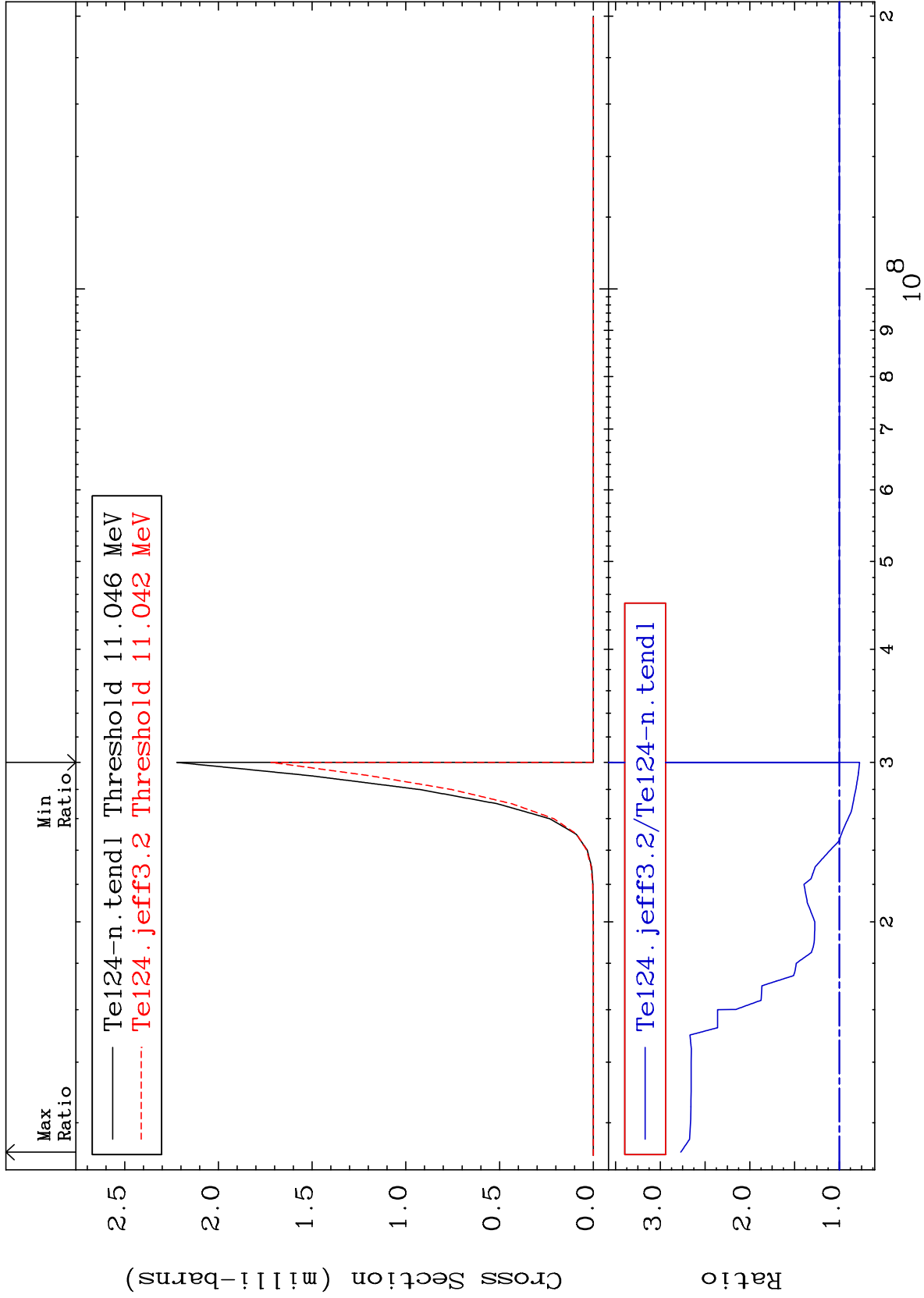
Radionuclide Production Cross Section

-8.940 To 12.00 %



Incident Energy (eV)

52-Te-124

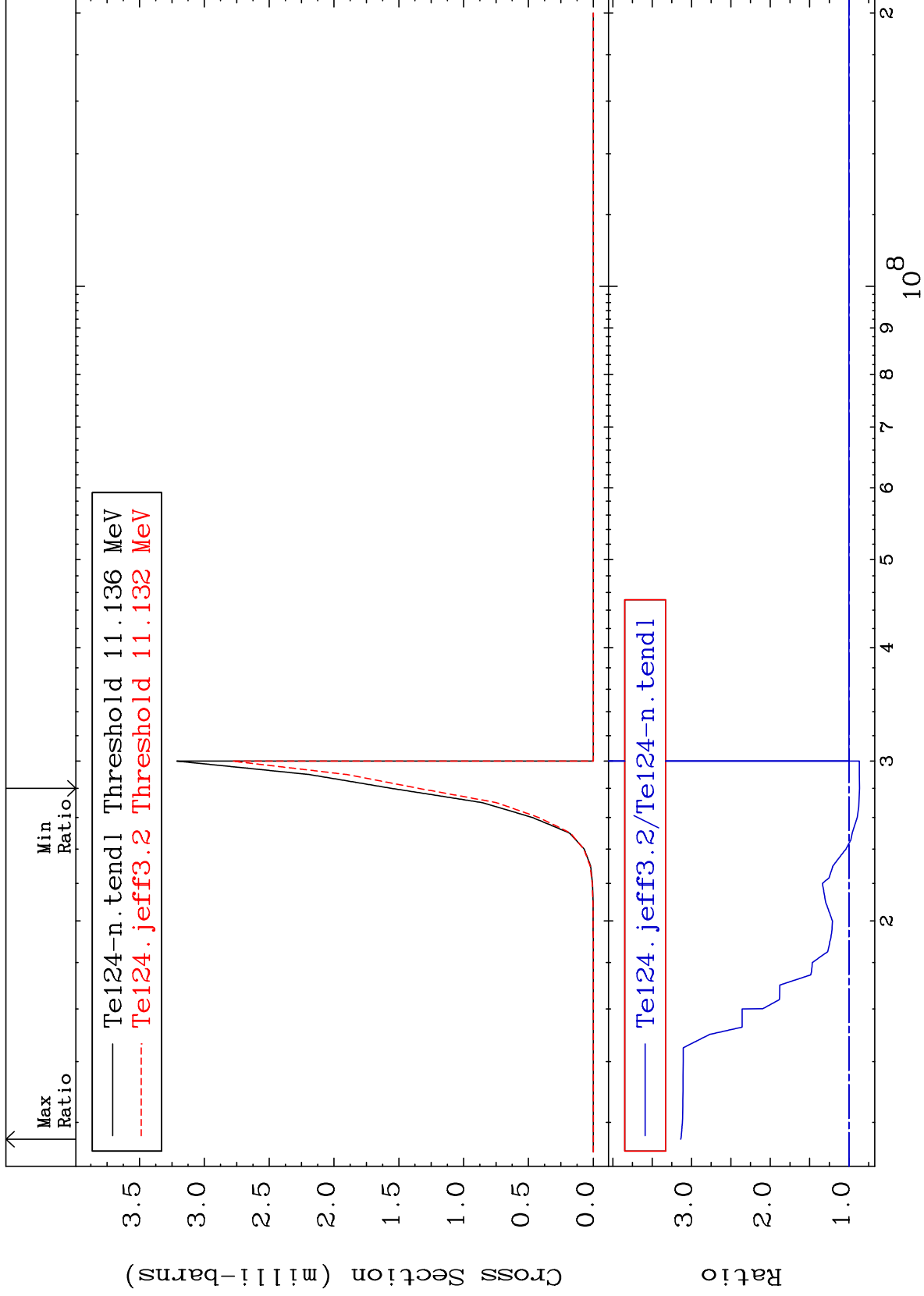


MAT 5237

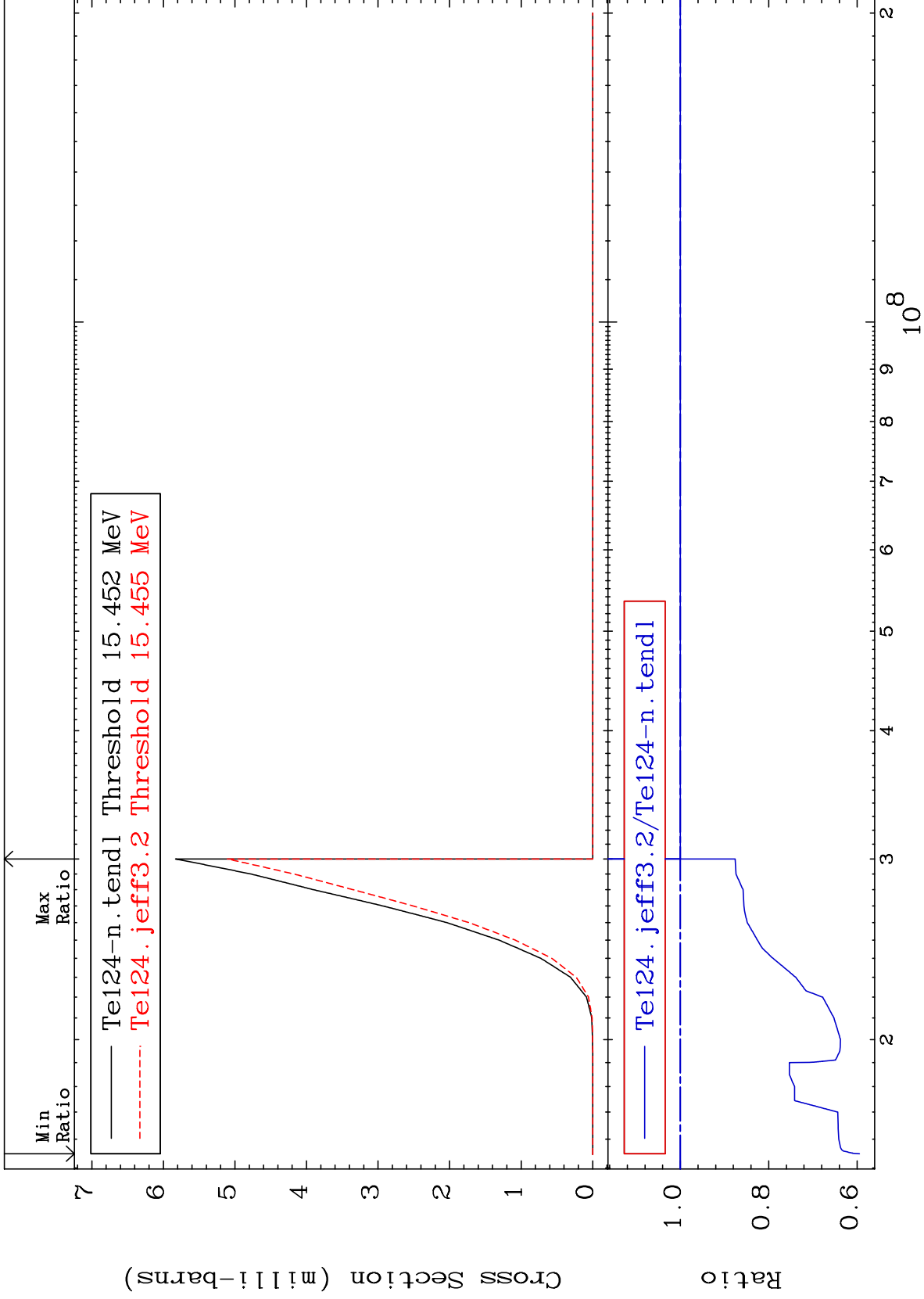
(n,2n) α :50-Sn-119m2

52-Te-124

Radionuclide Production Cross Section -13.46 To 213.7 %



Radionuclide Production Cross Section -40.54 To 0.000 %

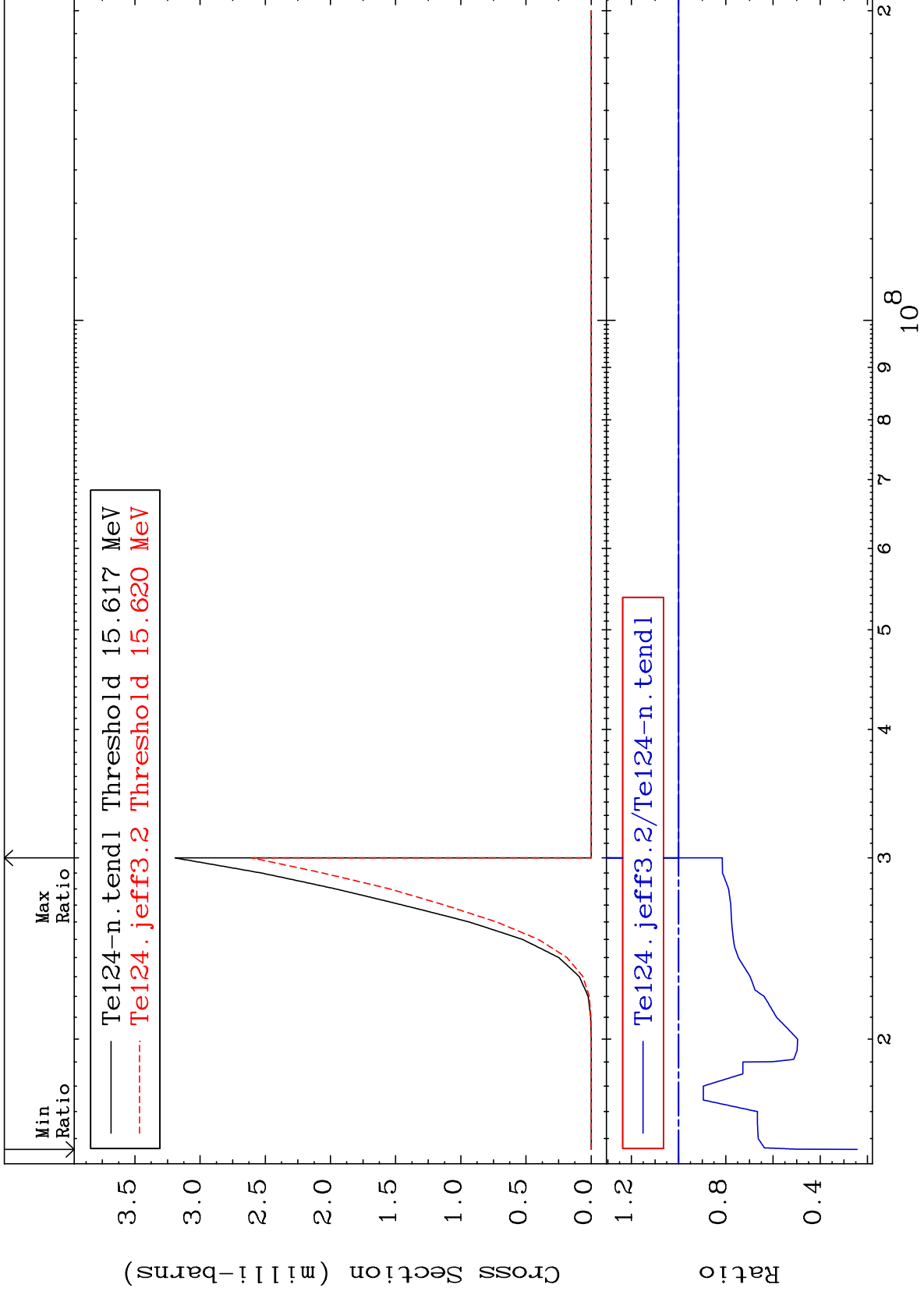


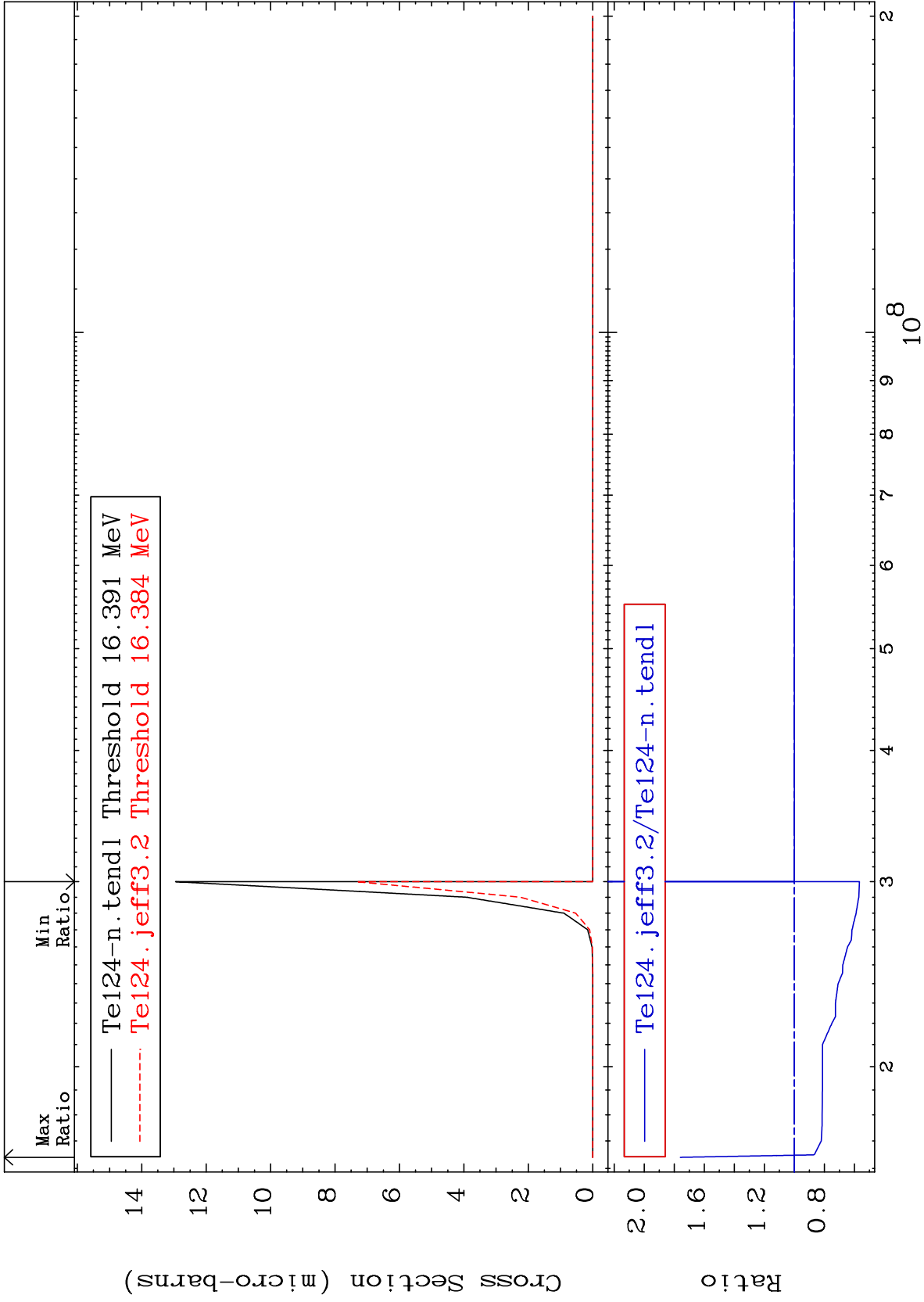
MAT 5237

(n, n') d:51-Sb-122m5

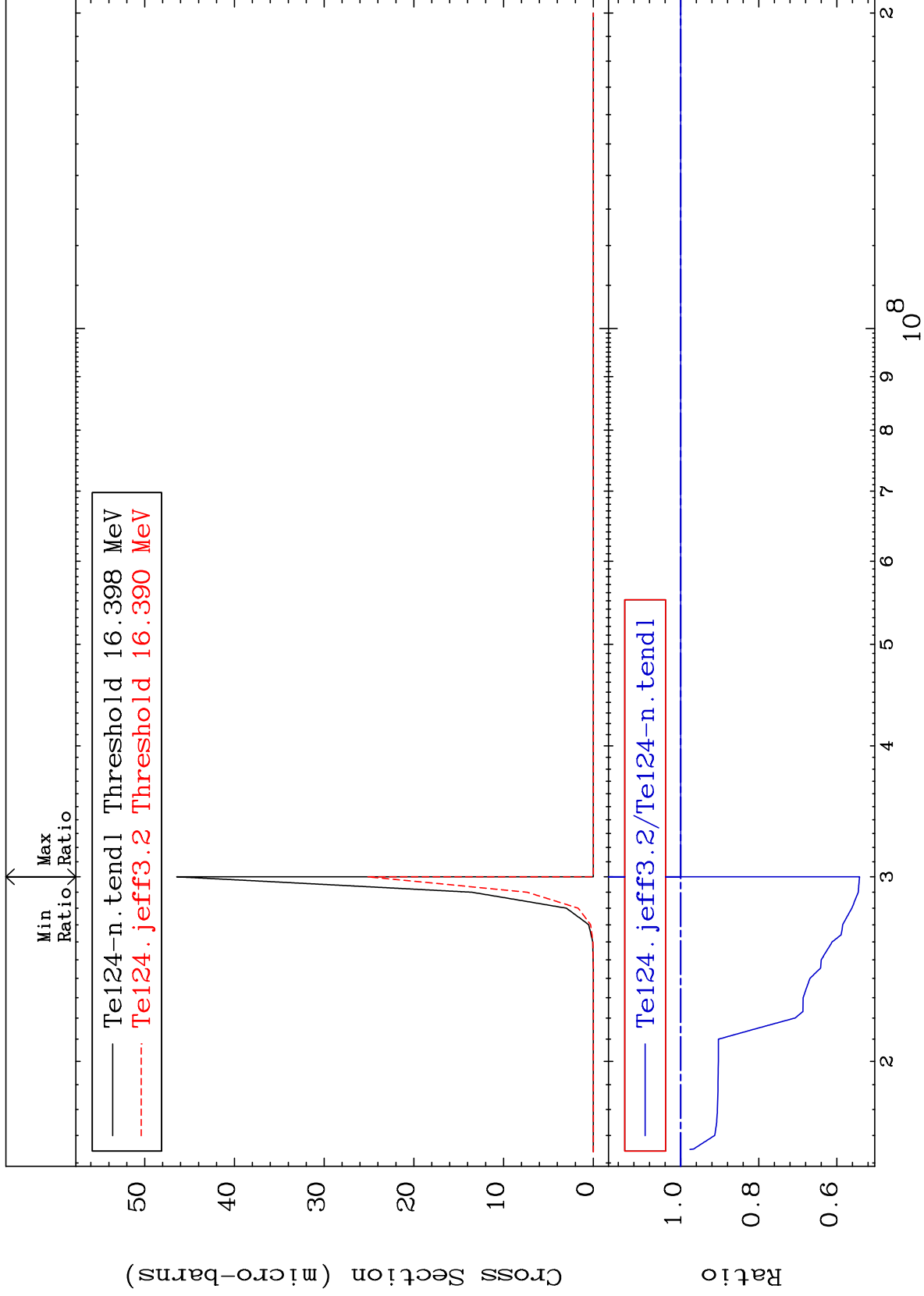
52-Te-124

Radionuclide Production Cross Section -75.65 To 0.000 %





Radionuclide Production Cross Section -45.80 To 0.000 %



MAT 5237

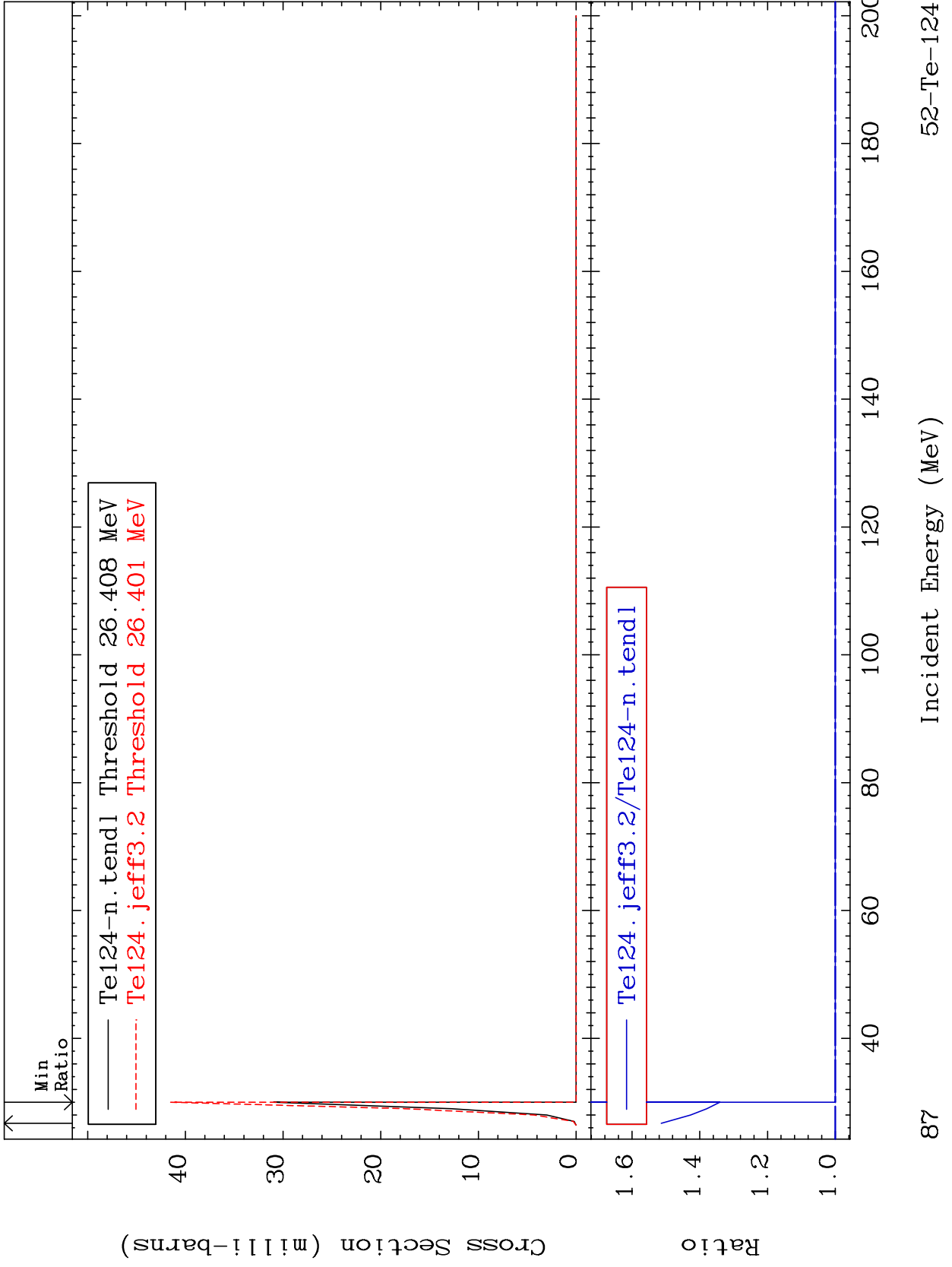
(n, 4n):52-Te-124g

52-Te-124

Radionuclide Production Cross Section

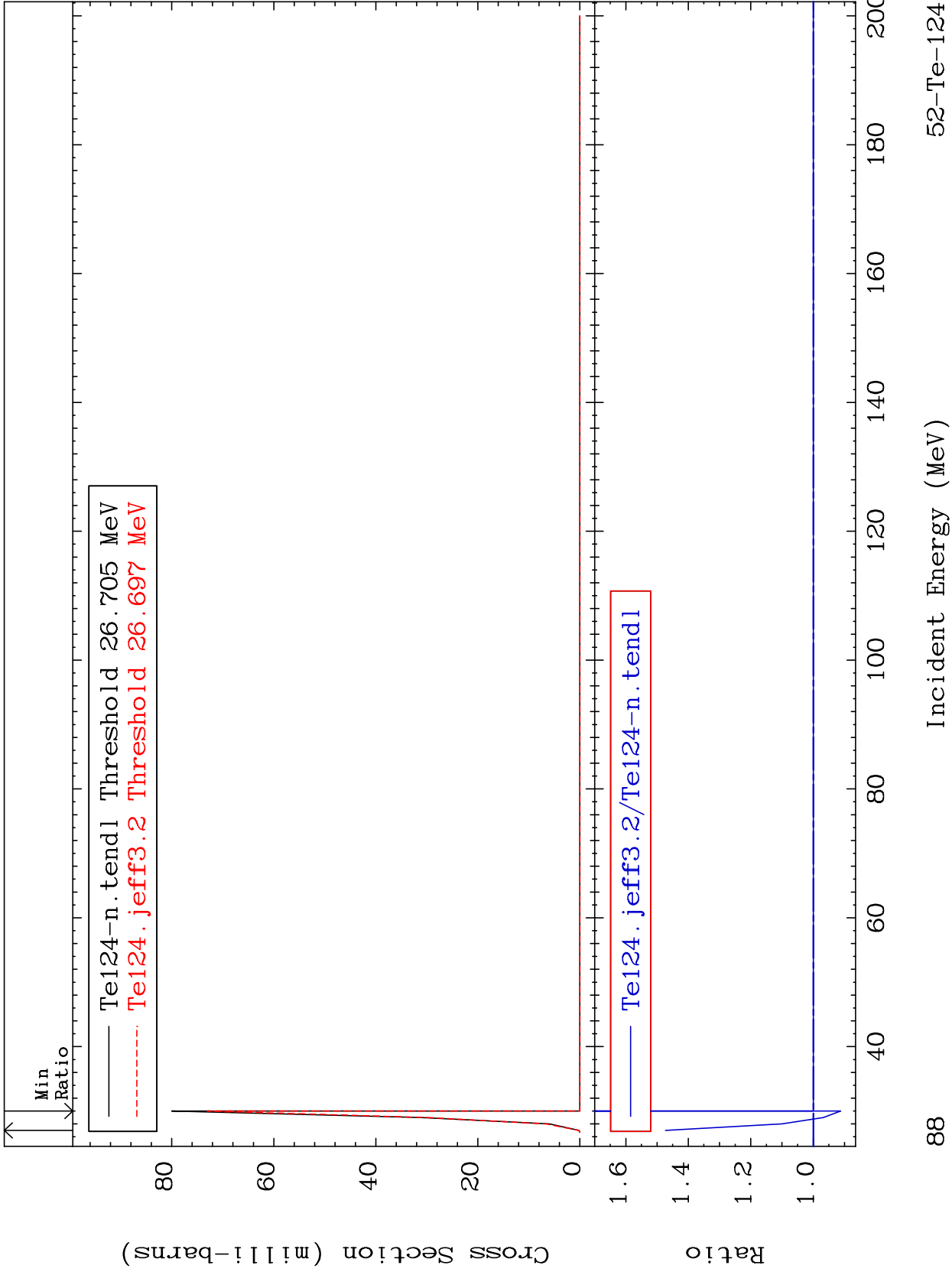
0.000

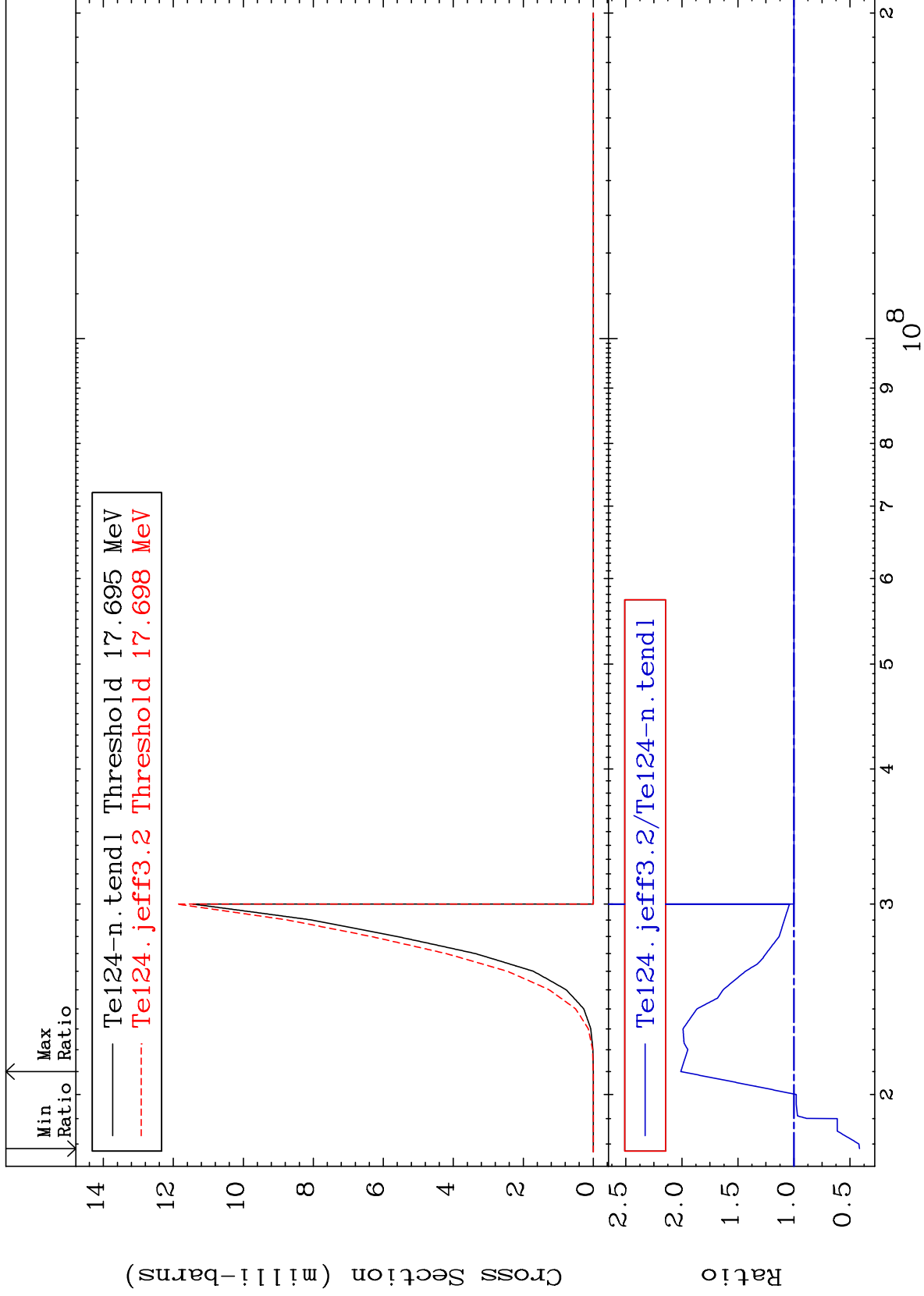
To 51.36 %



Radionuclide Production Cross Section

-8.768 To 47.29 %



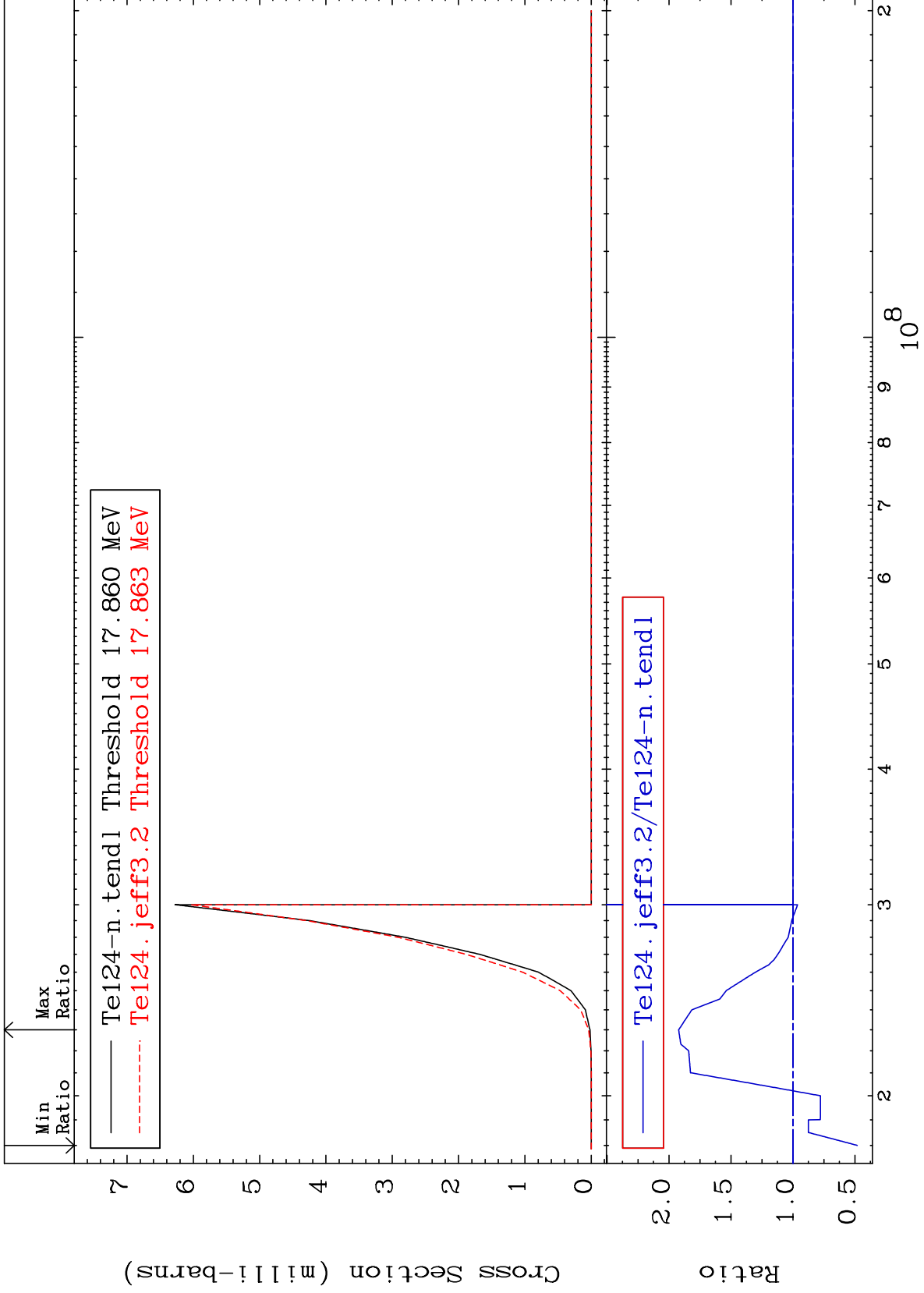


MAT 5237

(n,2n) p:51-Sb-122m5

52-Te-124

Radionuclide Production Cross Section -51.87 To 92.18 %



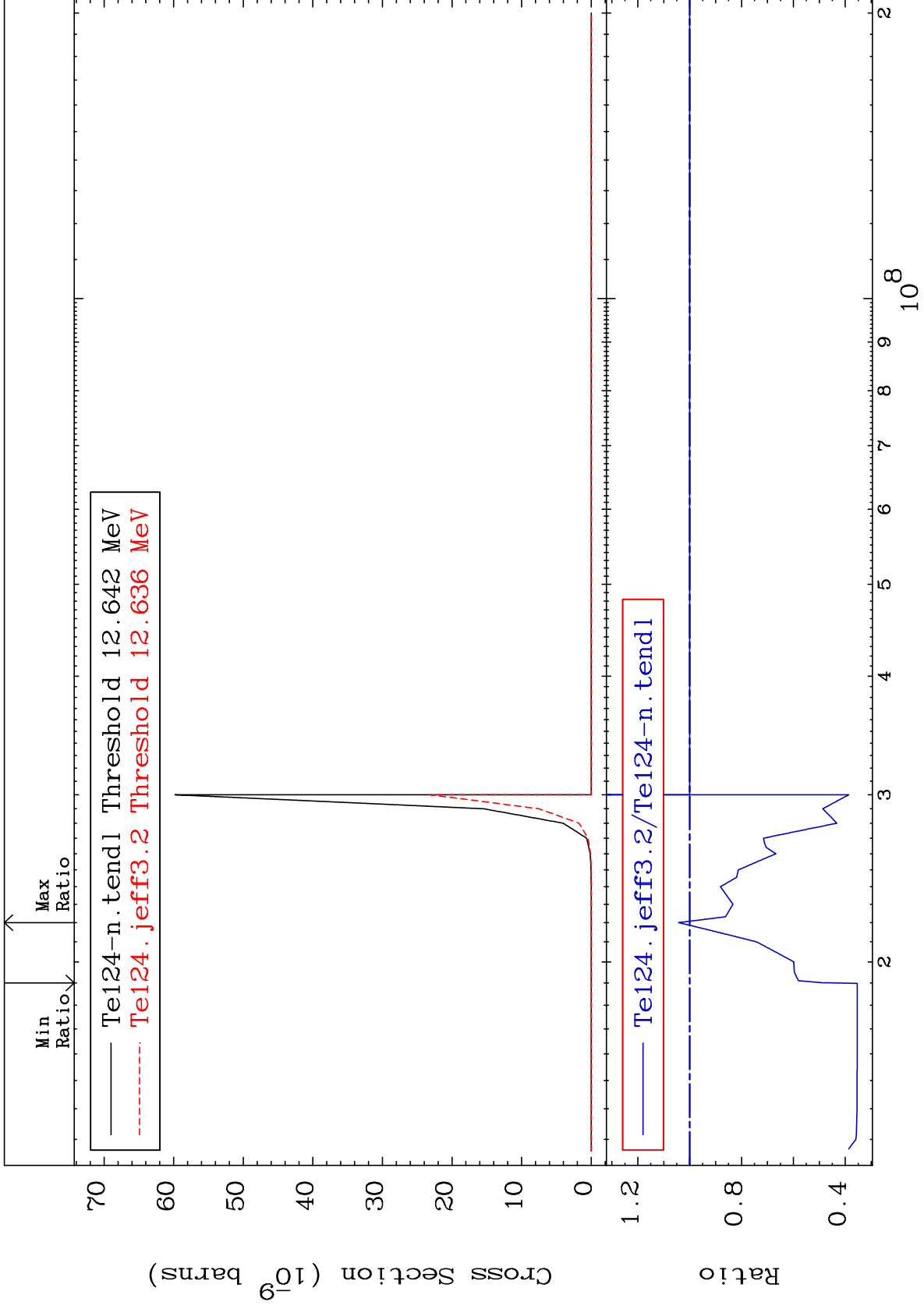
MAT 5237

(n, n') p α : 49-In-119g

52-Te-124

Radionuclide Production Cross Section

-64.64 To 4.267 %



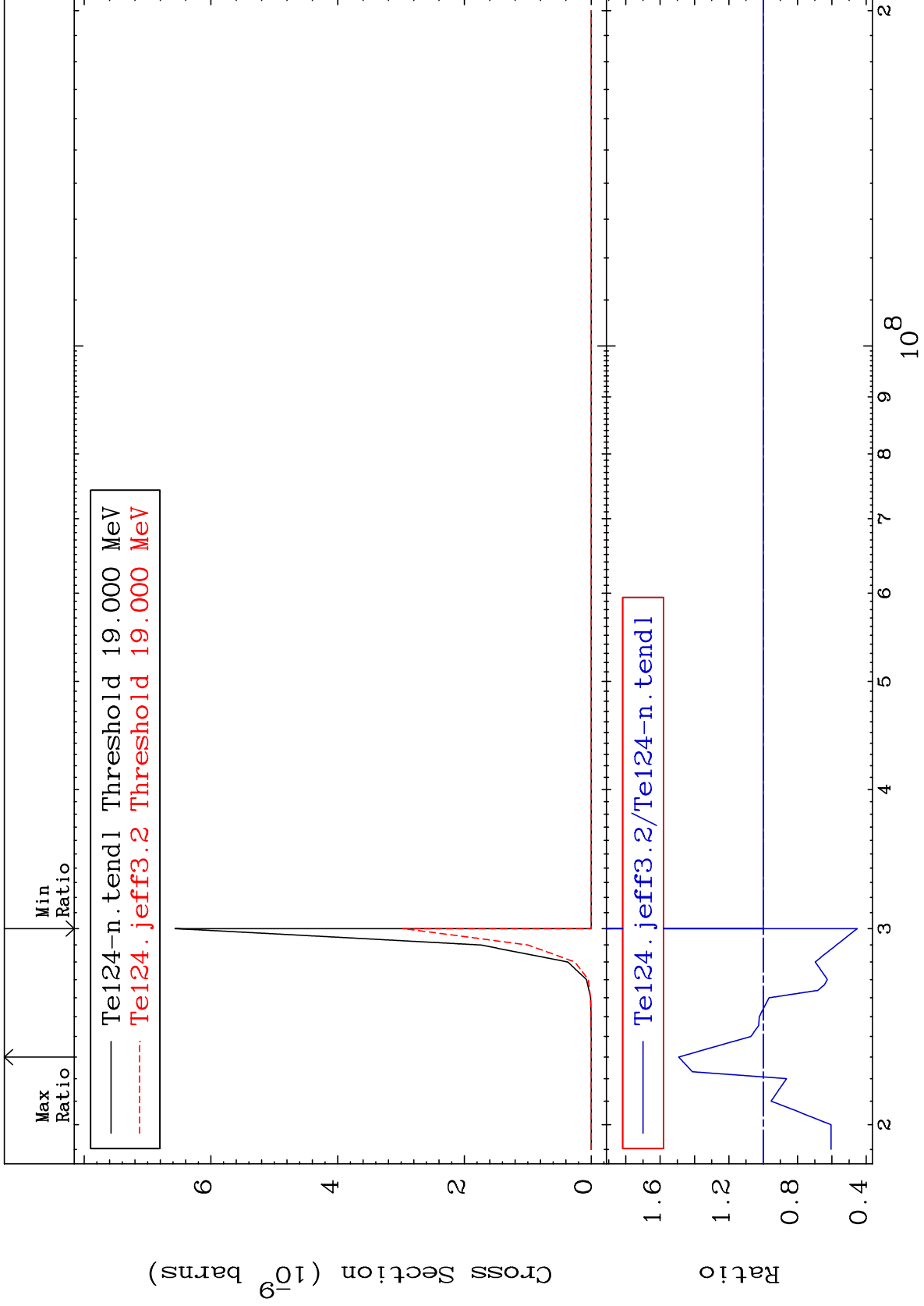
MAT 5237

(n, n') p α :49-In-119m1

52-Te-124

Radionuclide Production Cross Section

-54.77 To 49.25 %



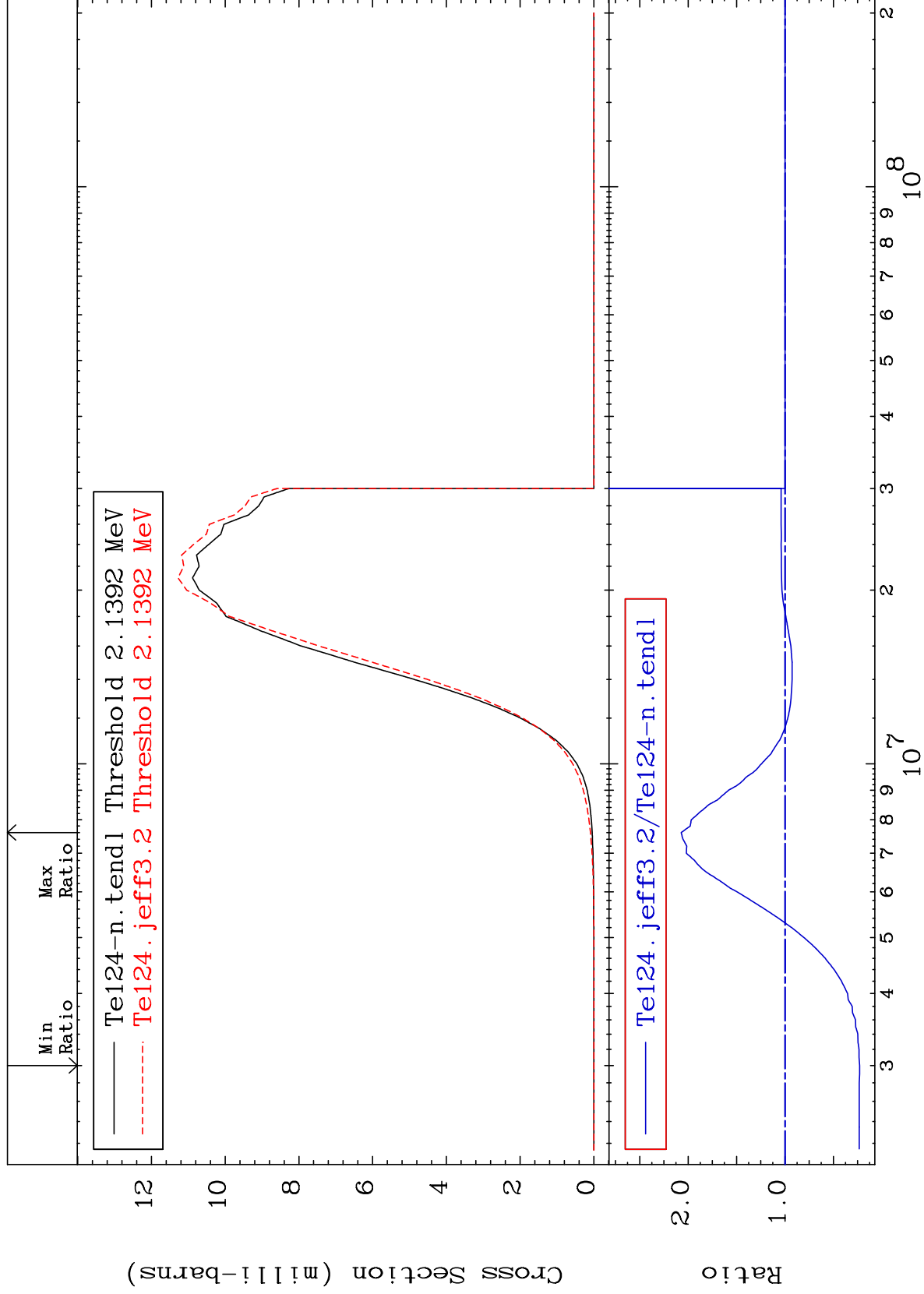
MAT 5237

(n,p):51-Sb-124g

52-Te-124

Radionuclide Production Cross Section

-77.10 To 107.2 %

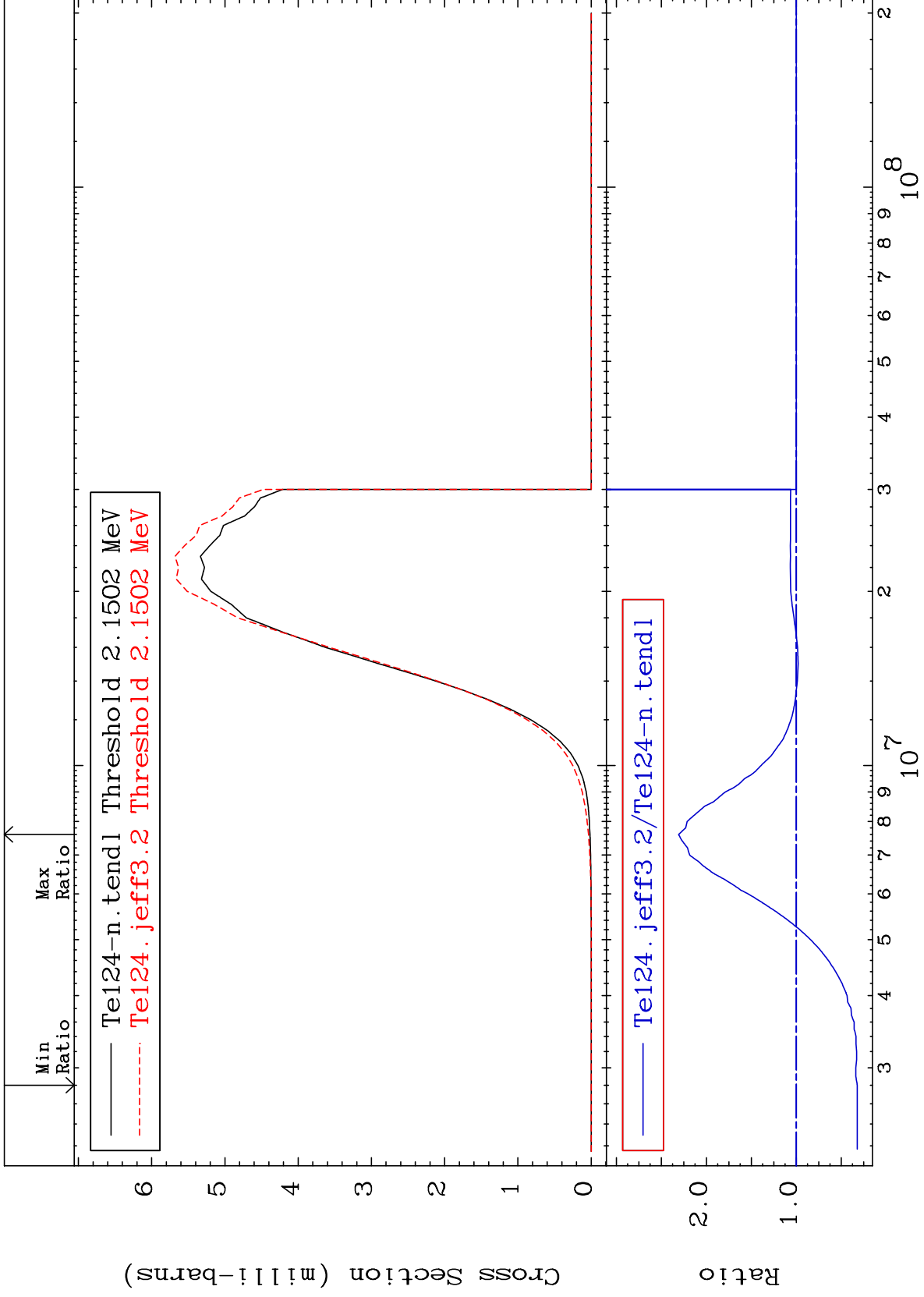


MAT 5237

(n, p) : 51-Sb-124m1

52-Te-124

Radionuclide Production Cross Section -67.80 To 130.8 %



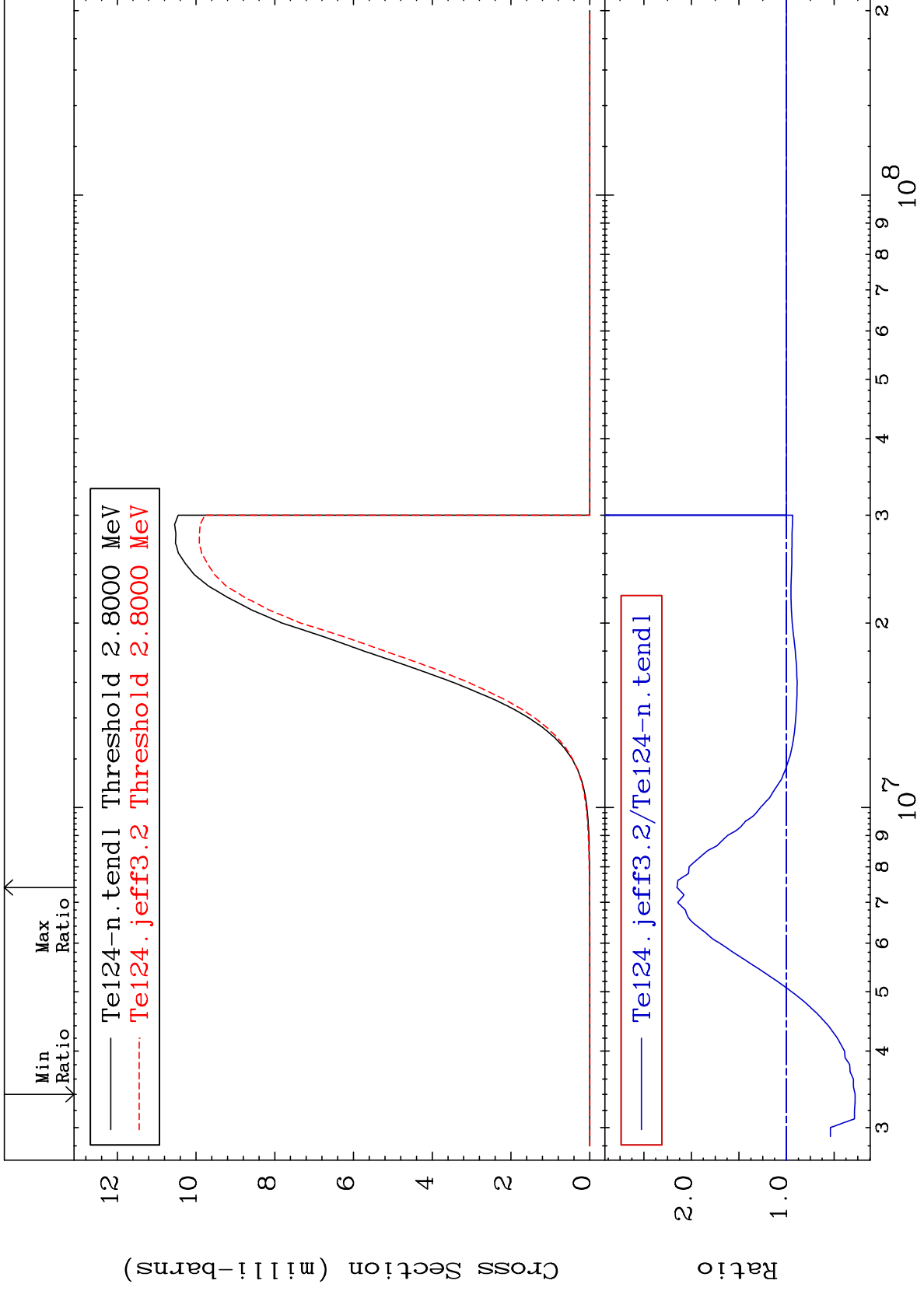
MAT 5237

(n, p) :51-Sb-124m2

52-Te-124

Radionuclide Production Cross Section

-72.10 To 115.2 %



95

Incident Energy (eV)

52-Te-124

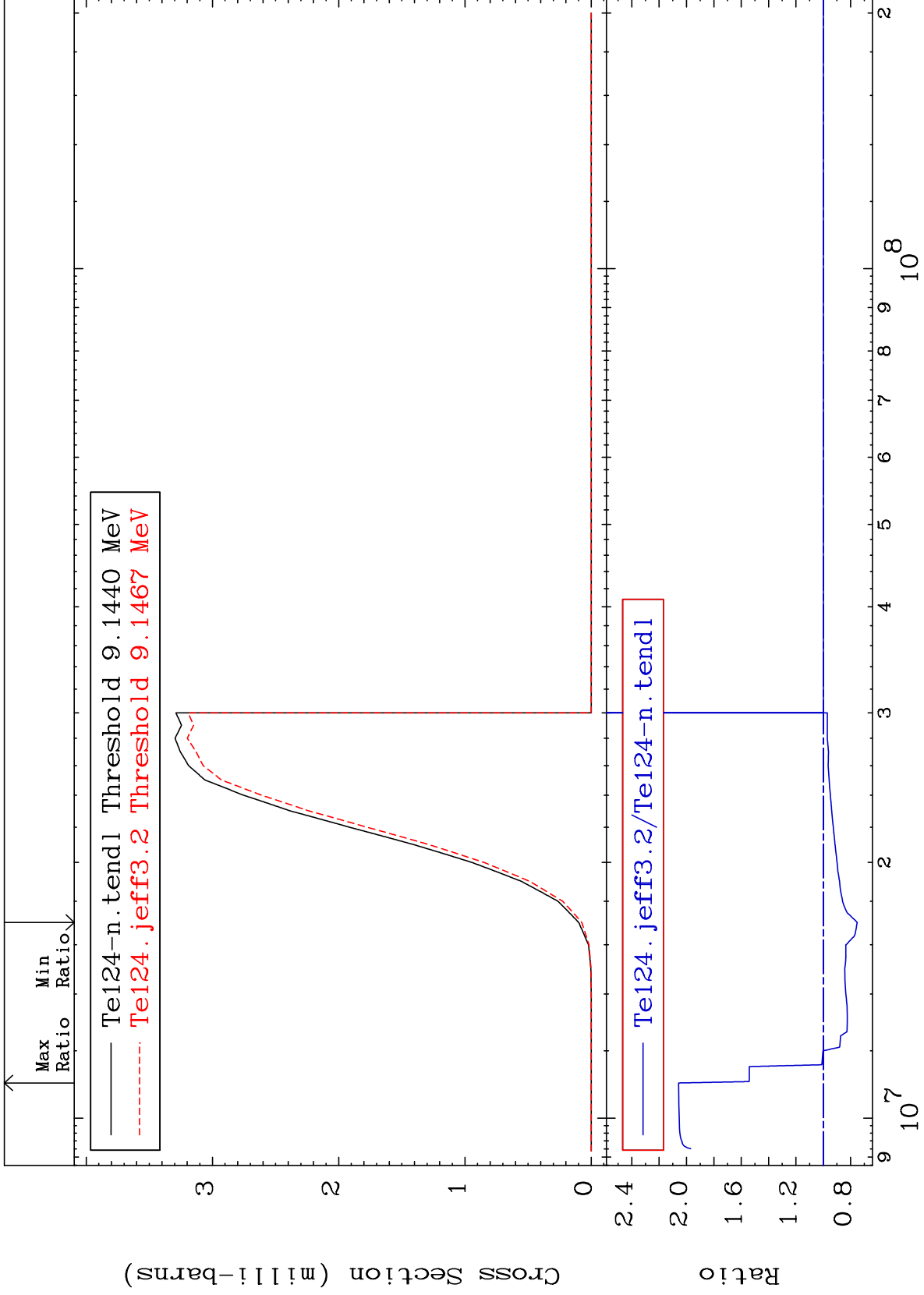
MAT 5237

(n, t):51-Sb-122g

52-Te-124

Radionuclide Production Cross Section

-24.85 To 105.7 %



96

Incident Energy (eV)

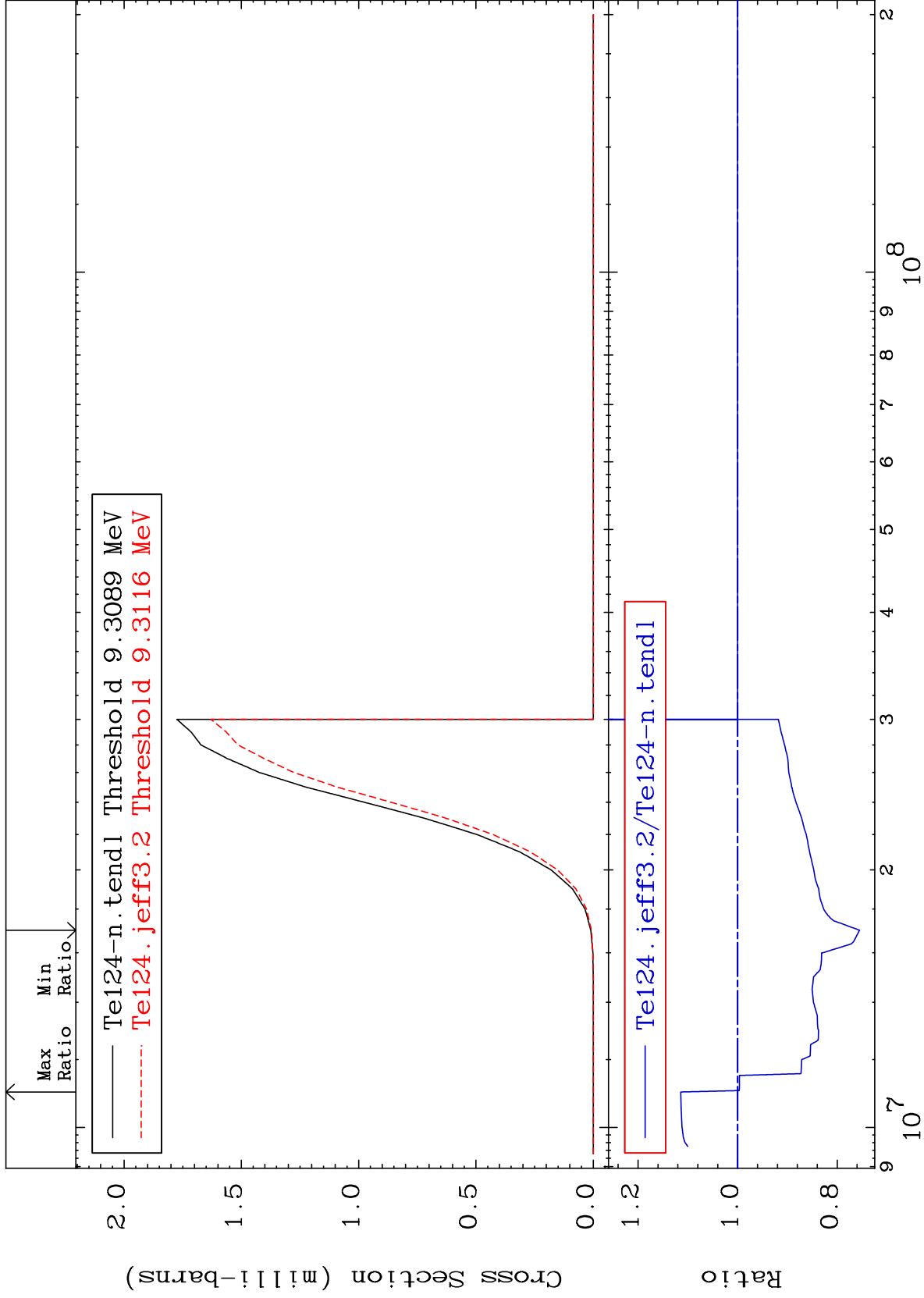
52-Te-124

MAT 5237

(n, t) :51-Sb-122m5

52-Te-124

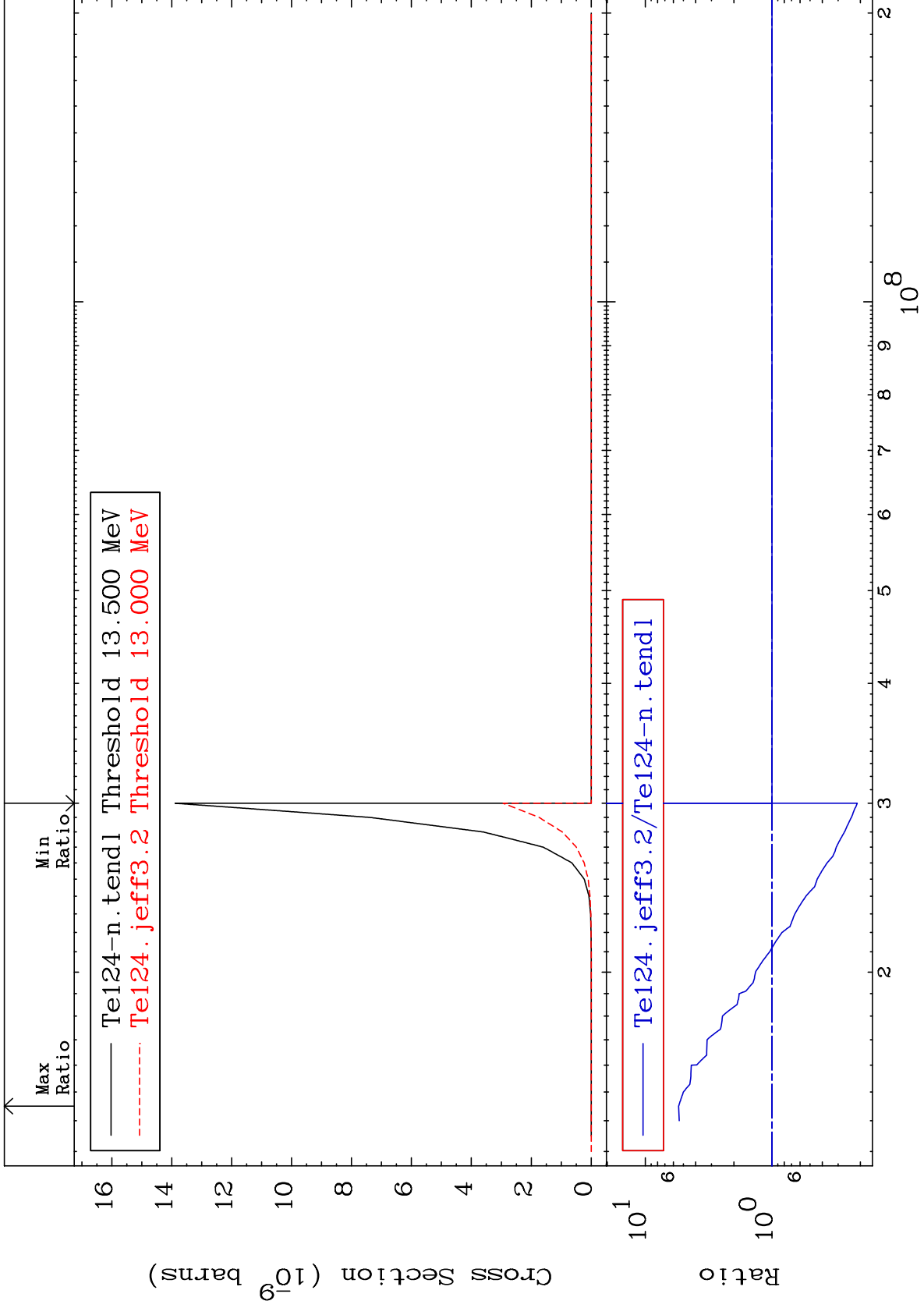
Radionuclide Production Cross Section -24.48 To 11.42 %



97

Incident Energy (eV)

52-Te-124

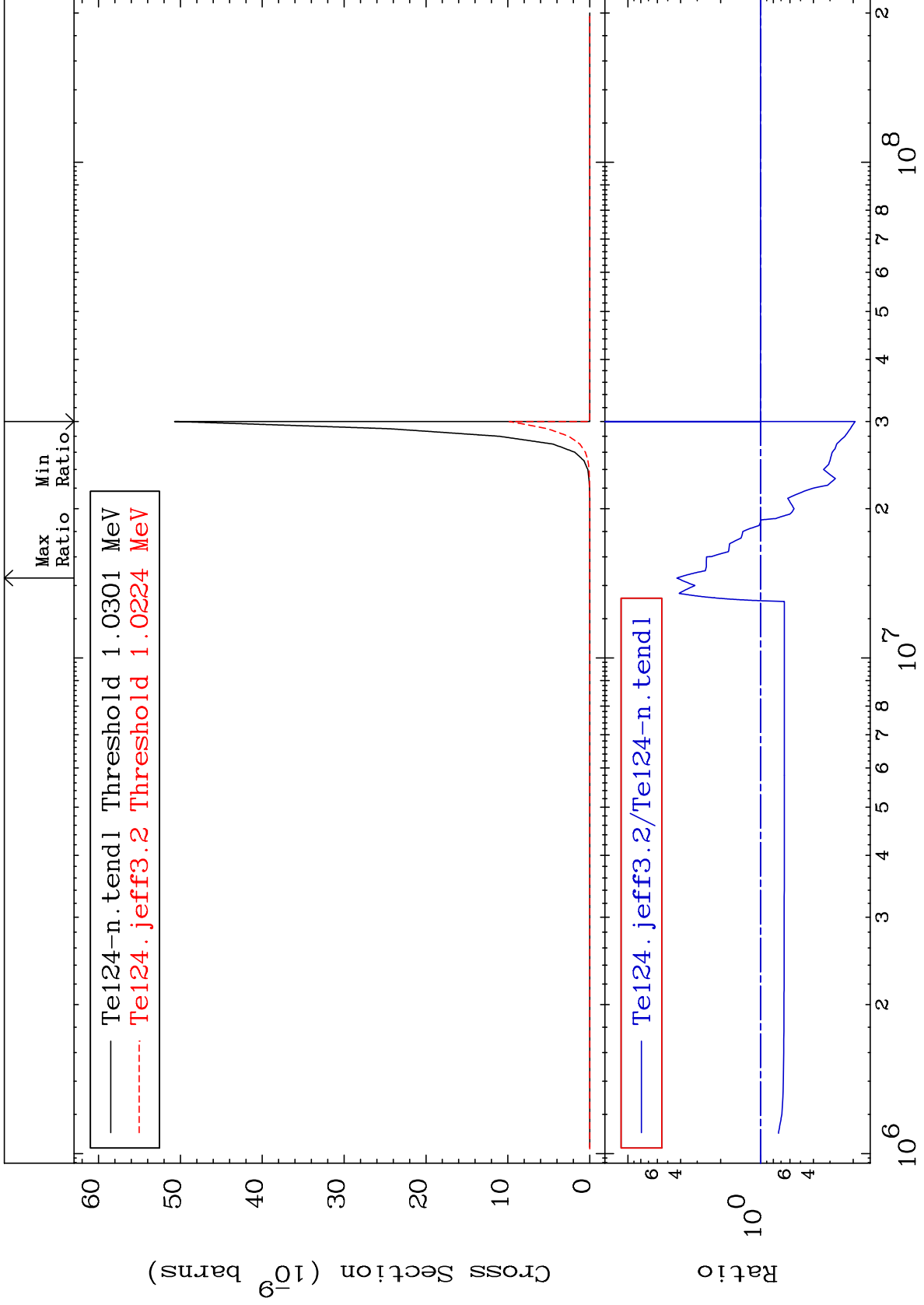


MAT 5237

(n,2α): 48-Cd-117m2

52-Te-124

Radionuclide Production Cross Section -80.62 To 327.1 %



99

Incident Energy (eV)

52-Te-124

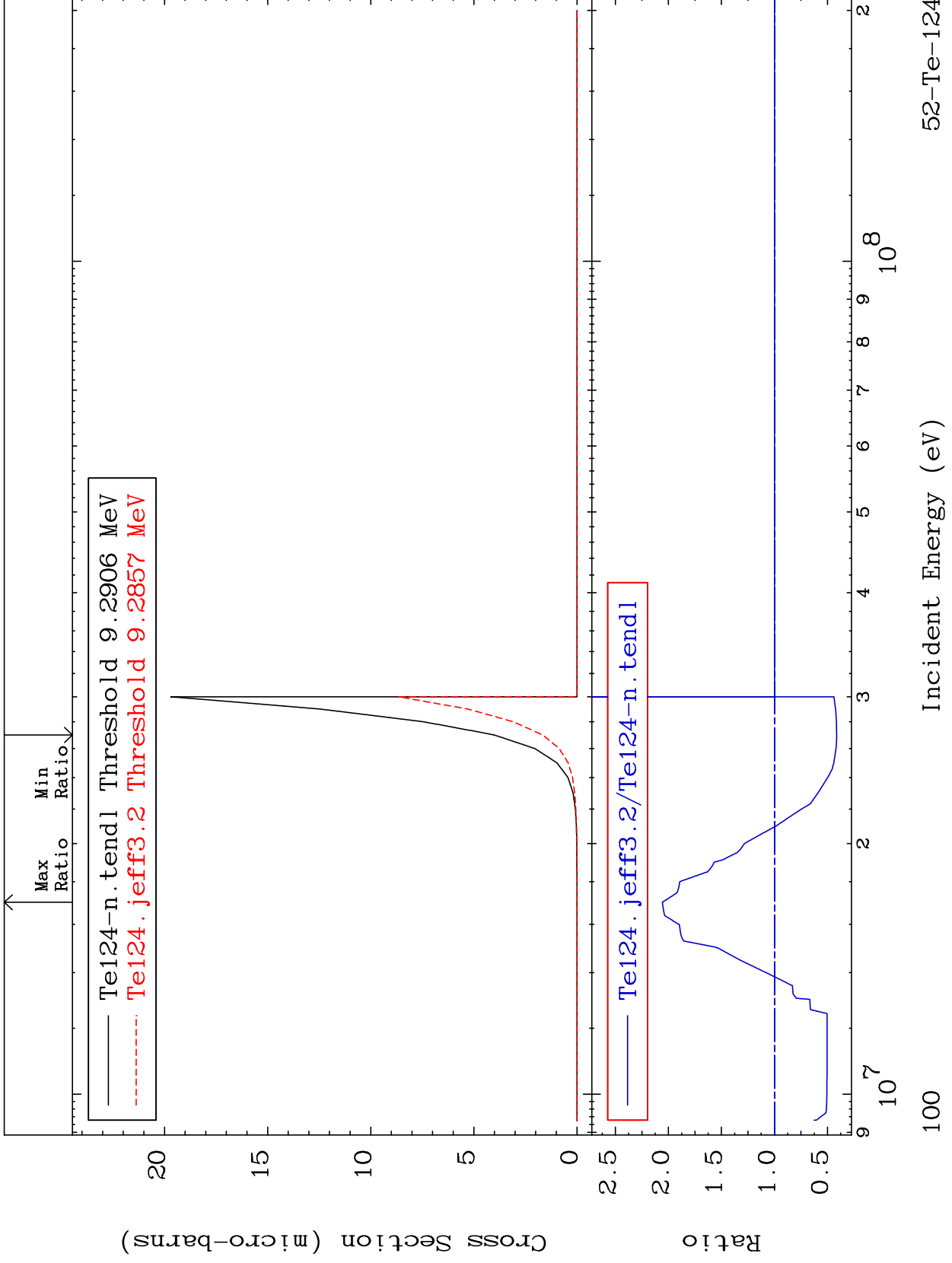
MAT 5237

(n,2p):50-Sn-123g

52-Te-124

Radionuclide Production Cross Section

-58.62 To 105.7 %

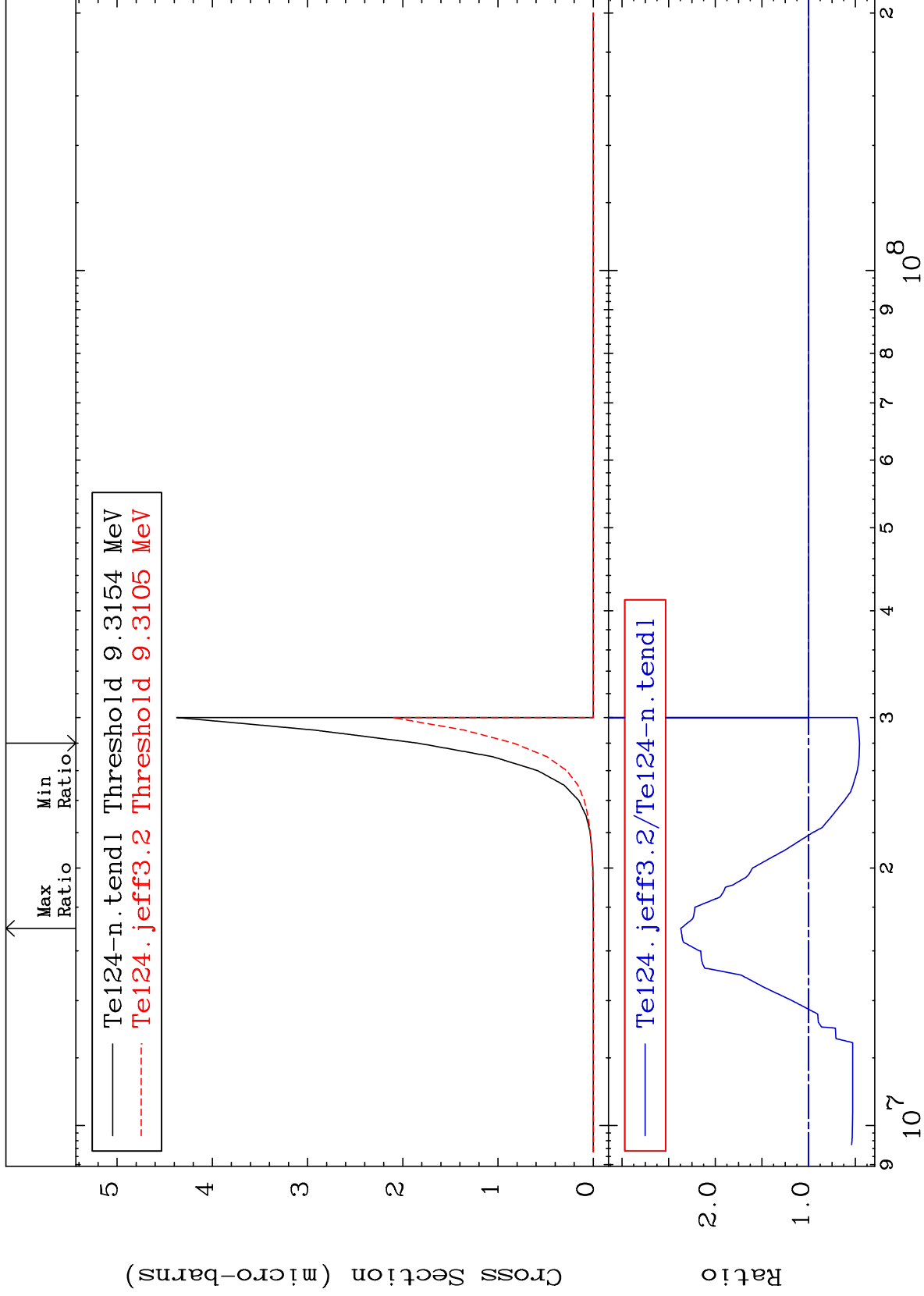


MAT 5237

(n,2p):50-Sn-123m1

52-Te-124

Radionuclide Production Cross Section -54.56 To 137.0 %



101

Incident Energy (eV)

52-Te-124

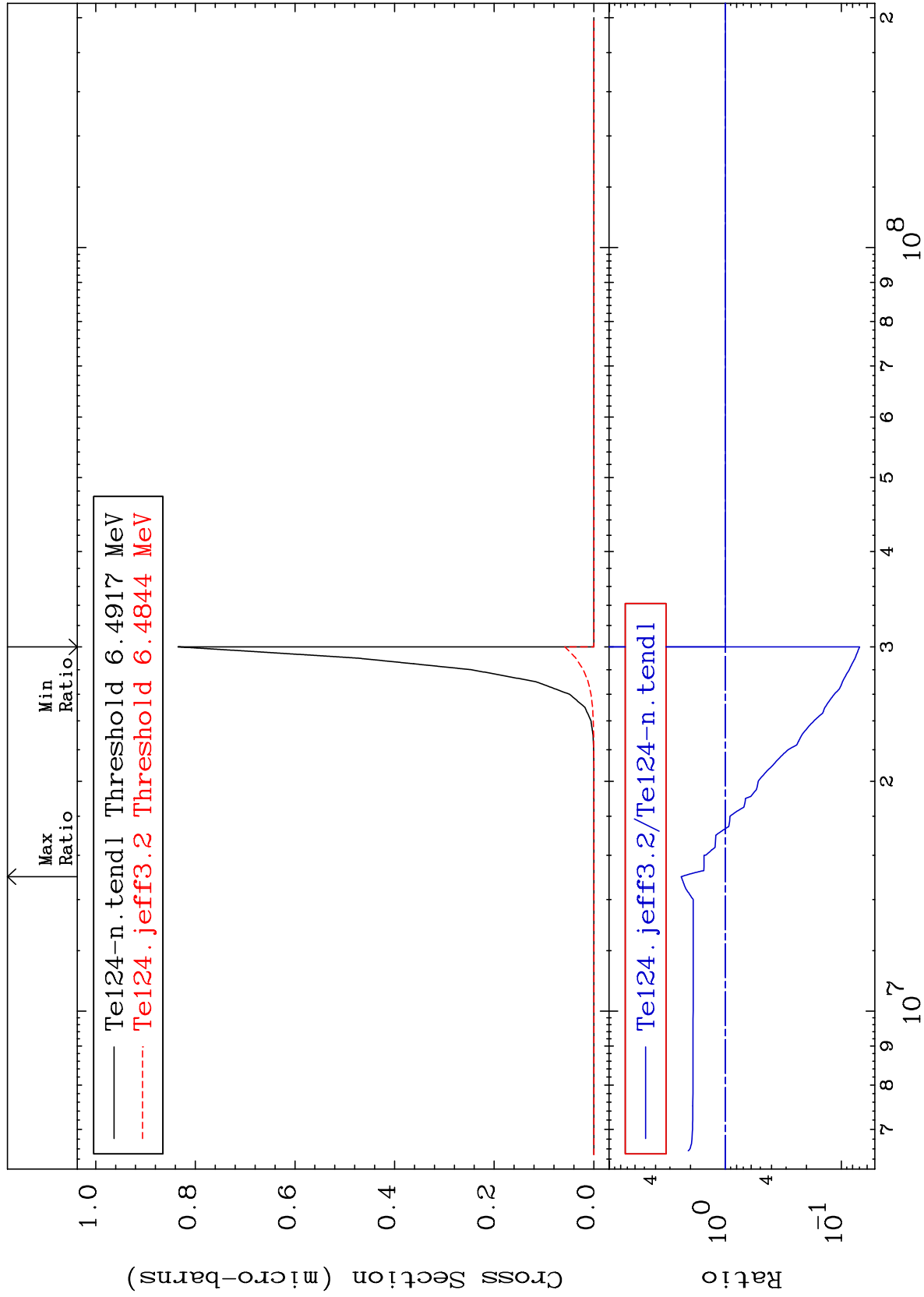
MAT 5237

(n, p) α : 49-In-120g

52-Te-124

Radionuclide Production Cross Section

-93.04 To 140.3 %



102

Incident Energy (eV)

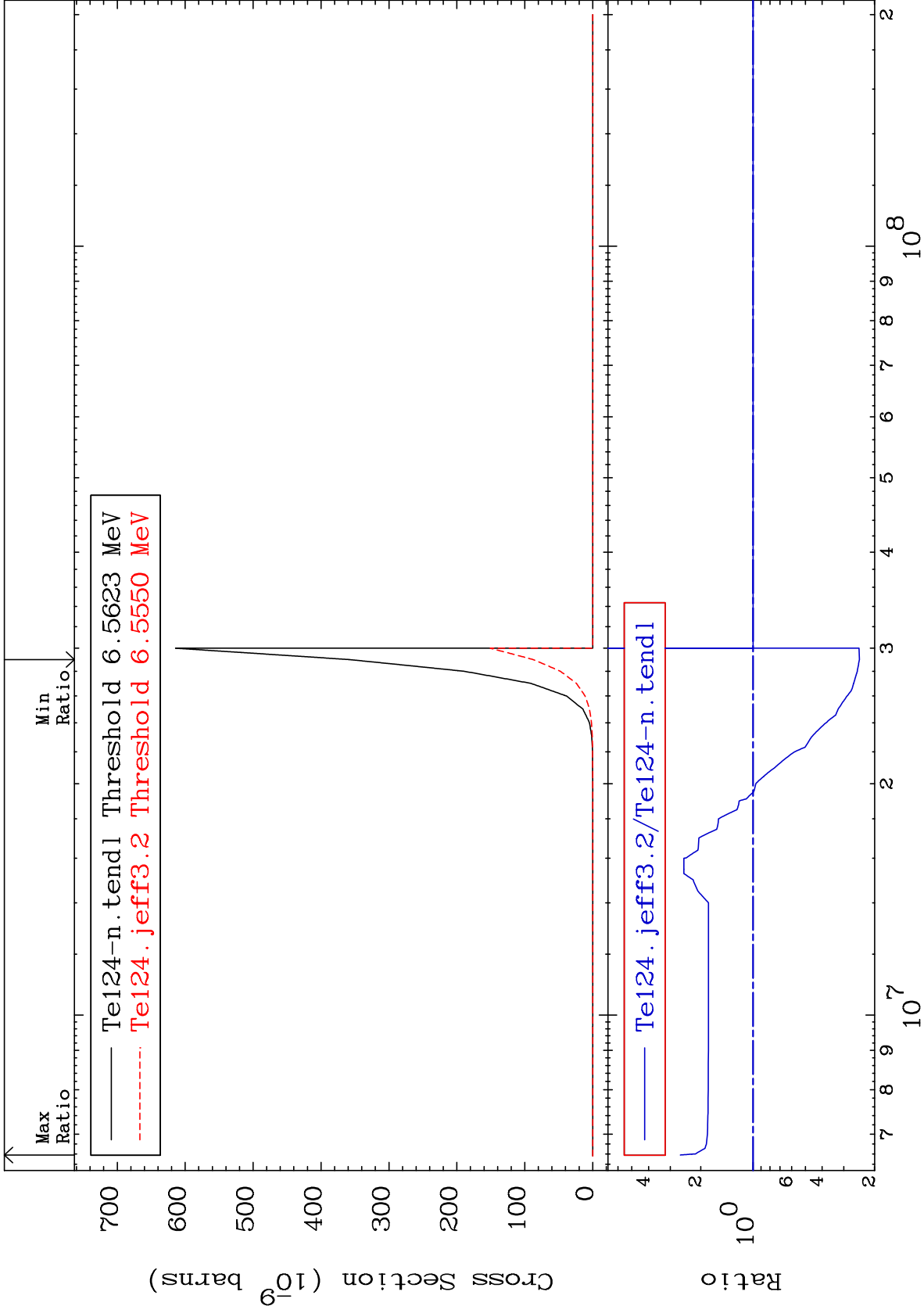
52-Te-124

MAT 5237

(n,p) α :49-In-120m1

52-Te-124

Radionuclide Production Cross Section -75.60 To 162.3 %



103

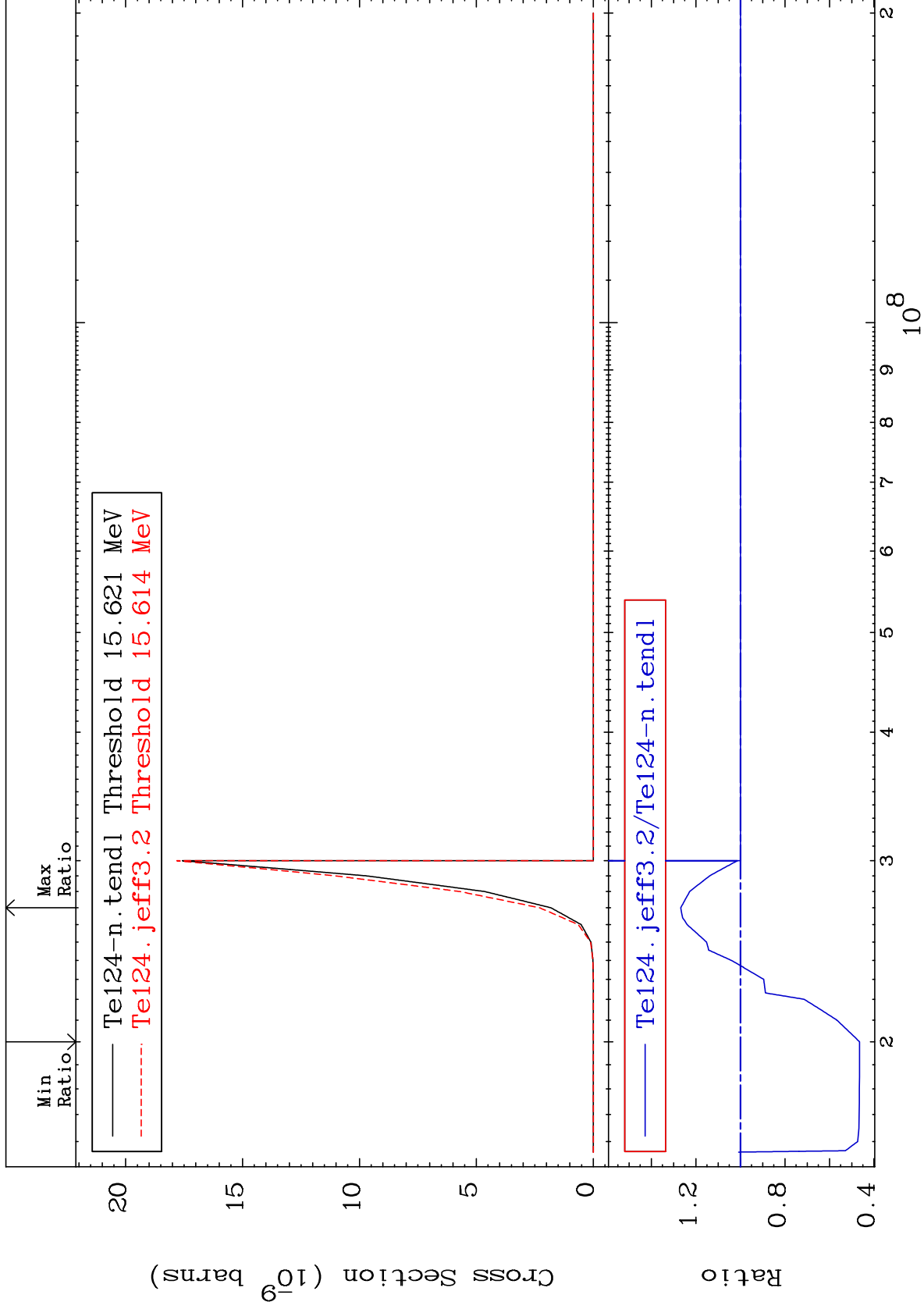
MAT 5237

(n, p) t:50-Sn-121g

52-Te-124

Radionuclide Production Cross Section

-53.51 To 26.76 %



104

Incident Energy (eV)

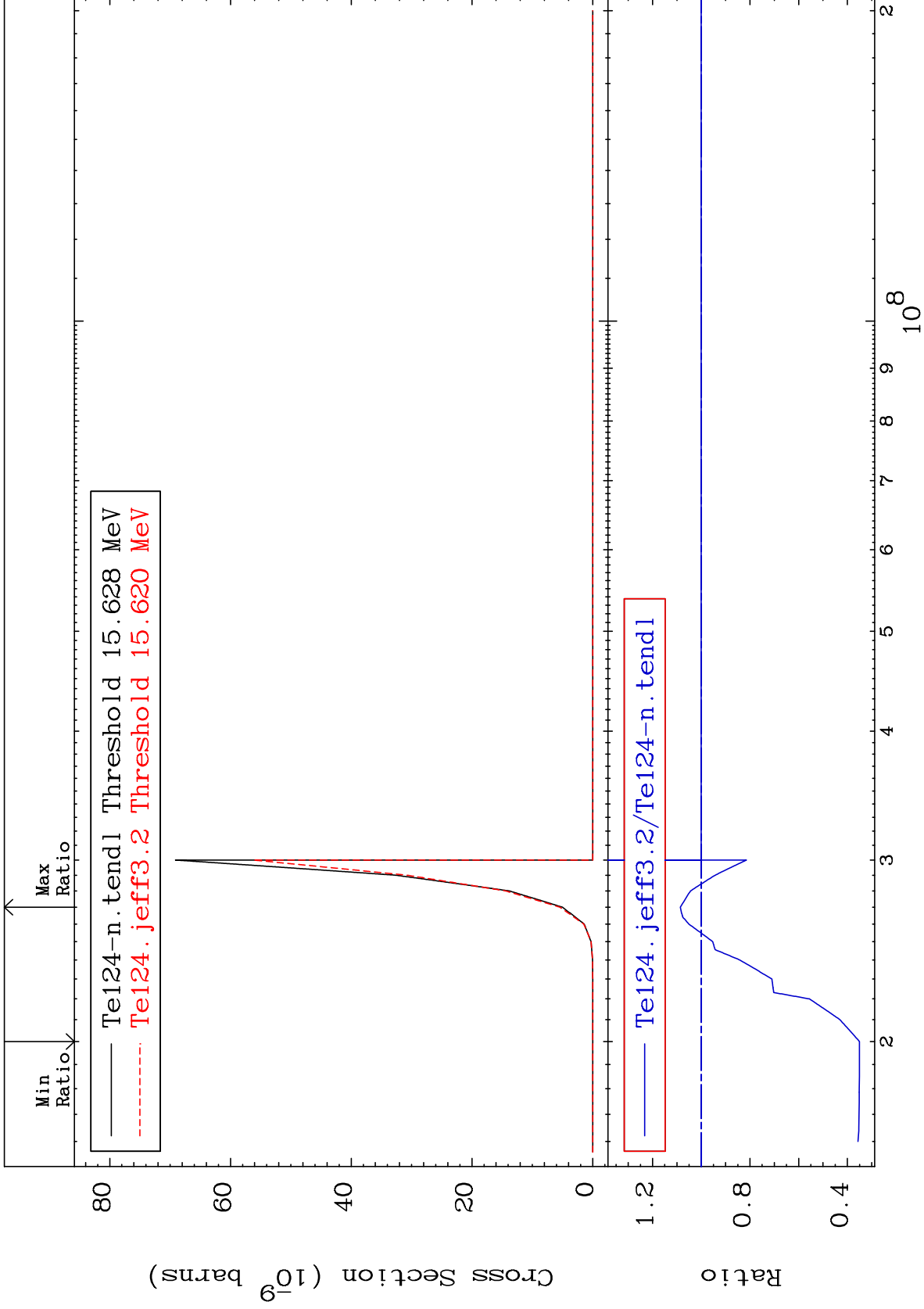
52-Te-124

MAT 5237

(n,p) t:50-Sn-121m1

52-Te-124

Radionuclide Production Cross Section -64.95 To 8.585 %



105

Incident Energy (eV)

52-Te-124