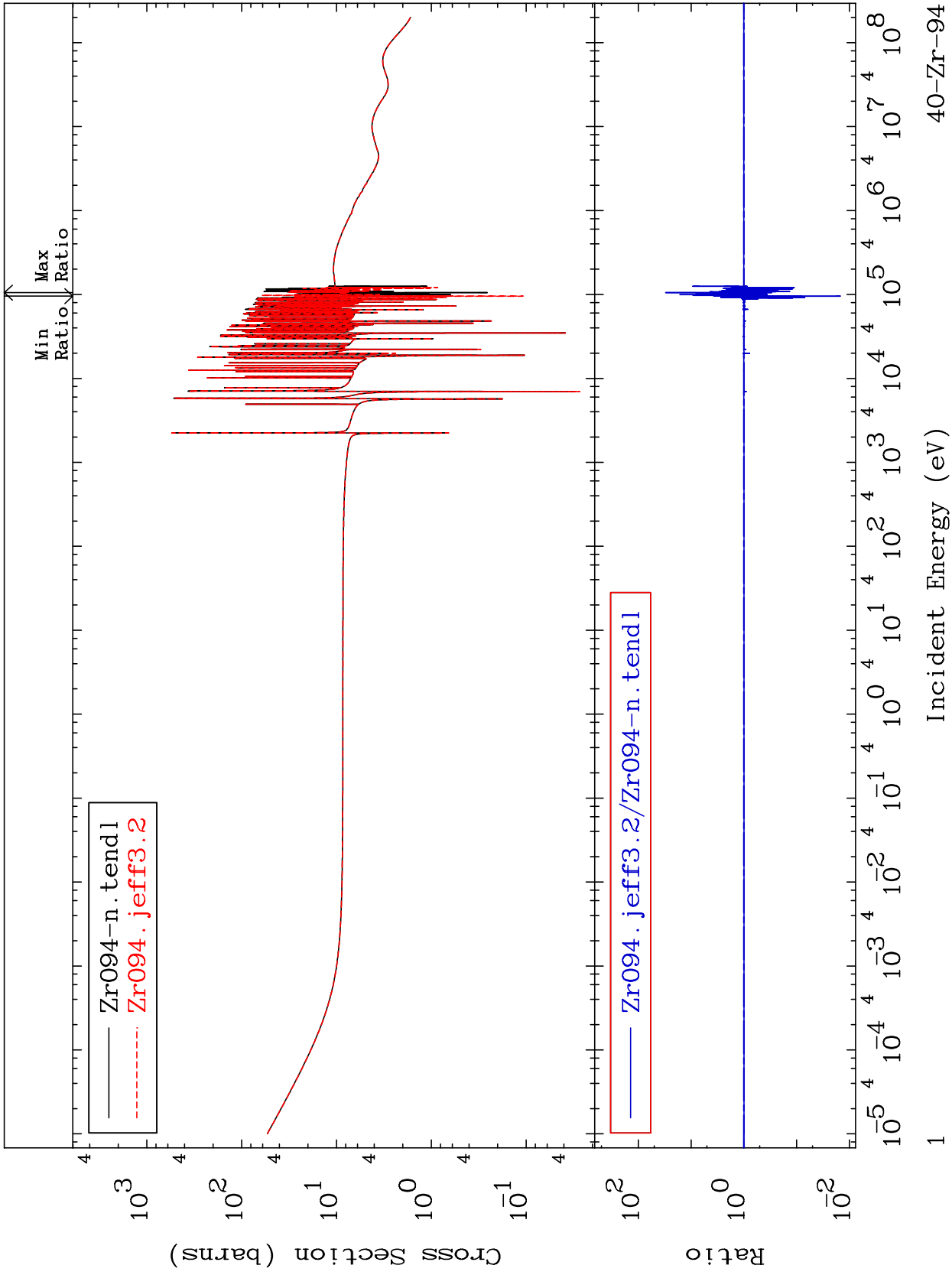


MAT 4037

Total
Cross Section

40-Zr-94
-98.53 To 2949. %



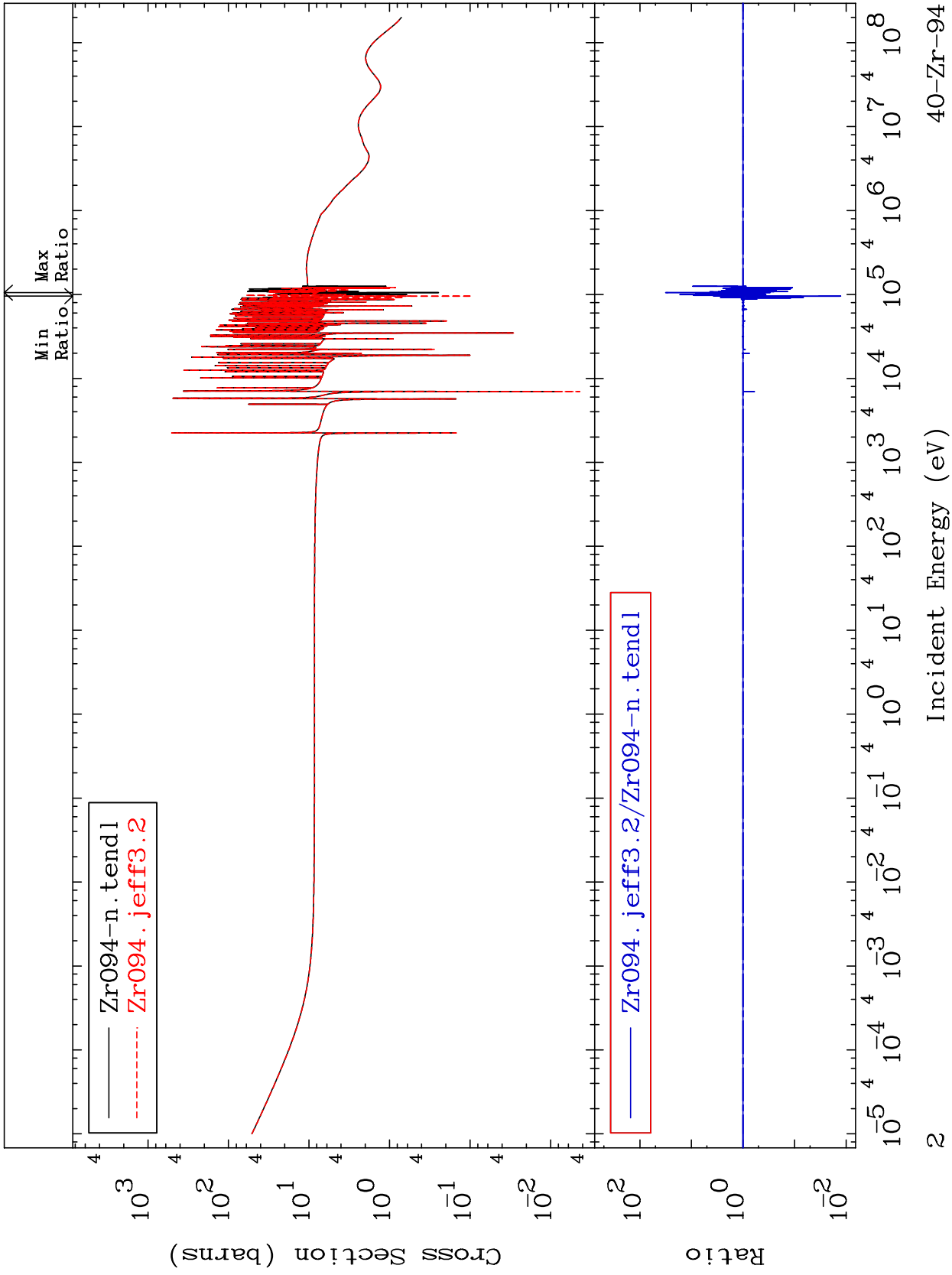
Incident Energy (eV)

40-Zr-94

MAT 4037

Elastic
Cross Section

40-Zr-94
-98.73 To 3082. %



40-Zr-94

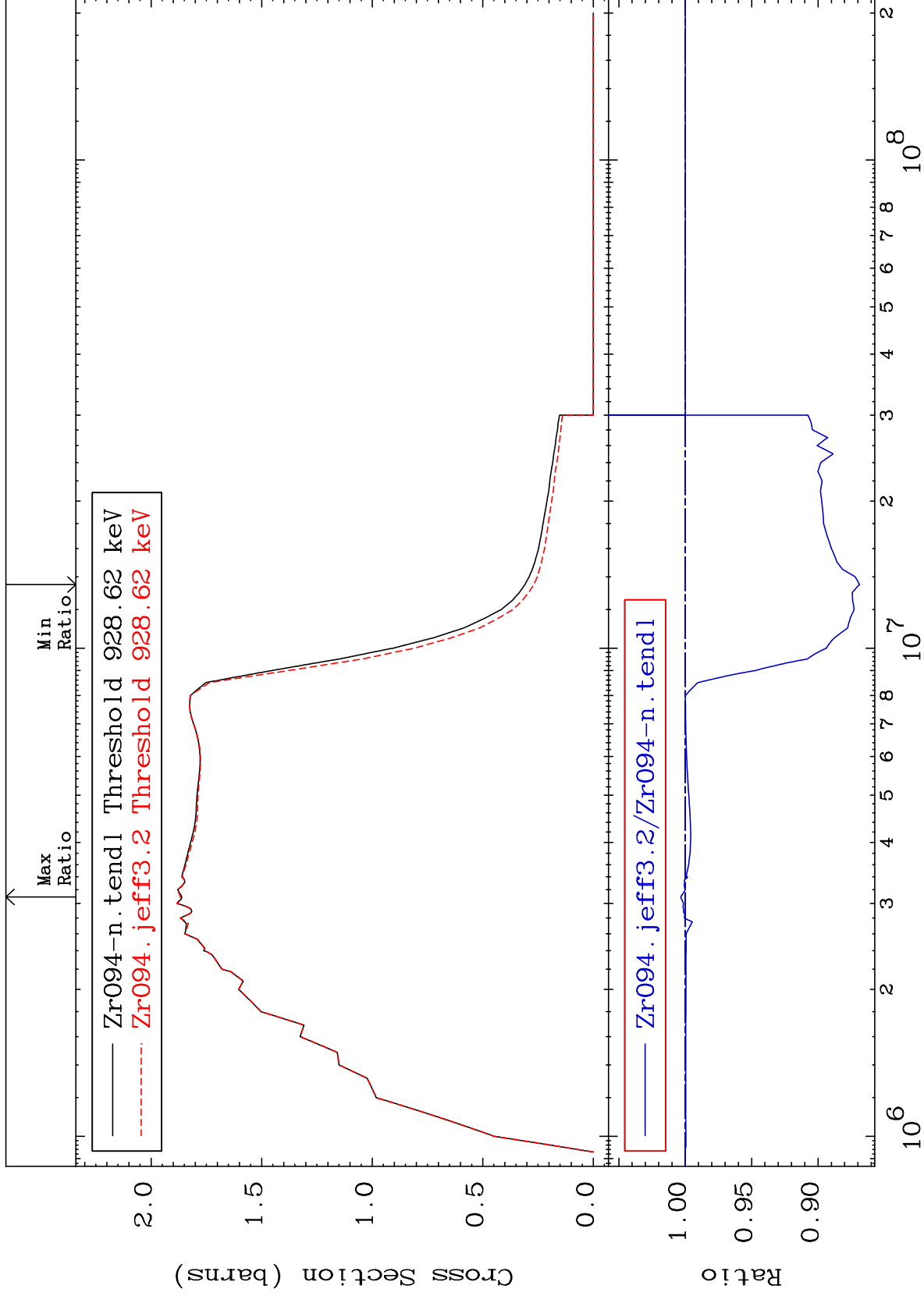
Incident Energy (eV)

2

MAT 4037

Inelastic
Cross Section

40-Zr-94
-13.12 To 0.335 %



Incident Energy (eV)

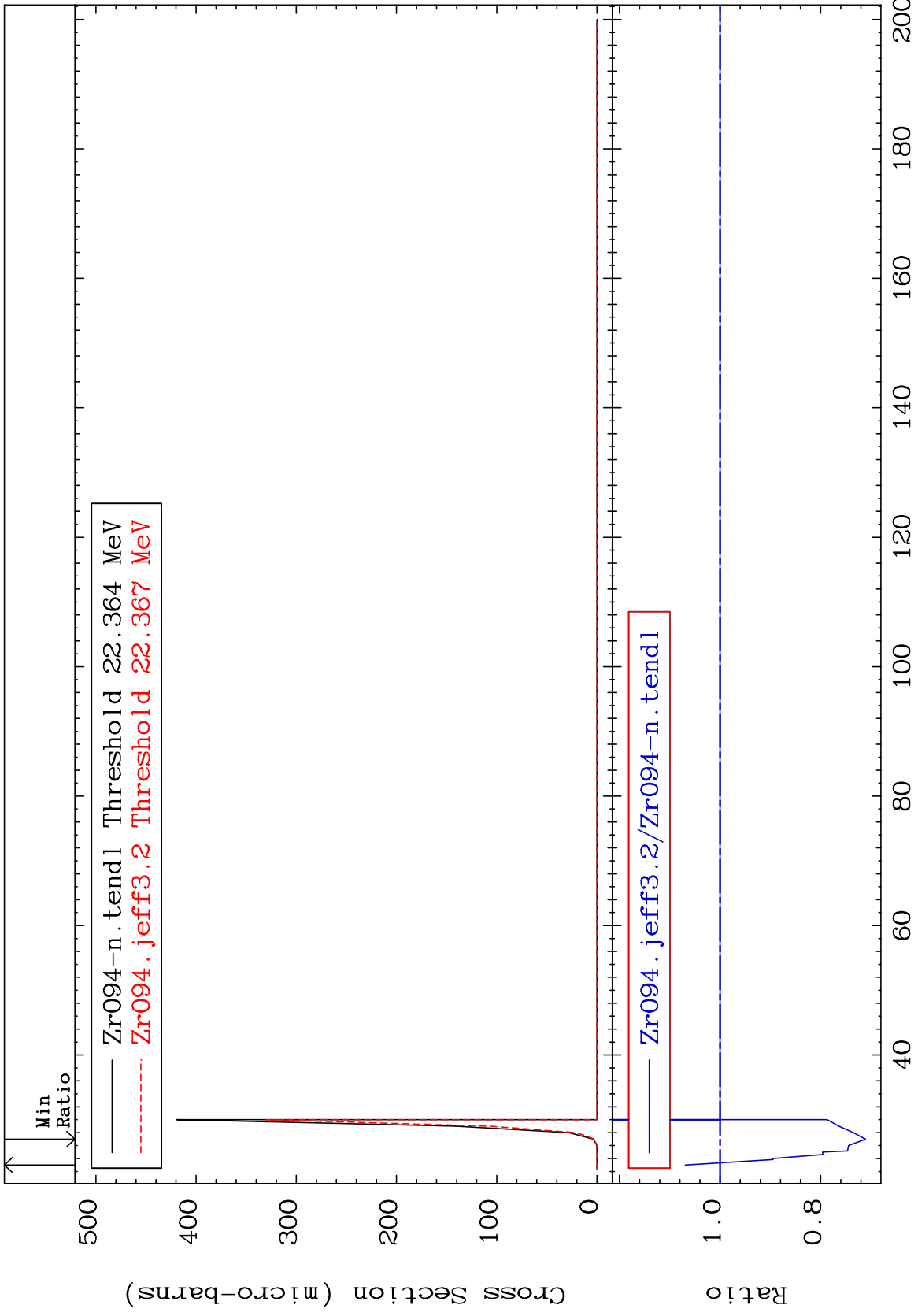
40-Zr-94

3

MAT 4037

(n,2n) d
Cross Section

40-Zr-94
-28.92 To 6.930 %



Min
Ratio

Zr094-n.tendl Threshold 22.364 MeV
Zr094.jeff3.2 Threshold 22.367 MeV

Zr094.jeff3.2/Zr094-n.tendl

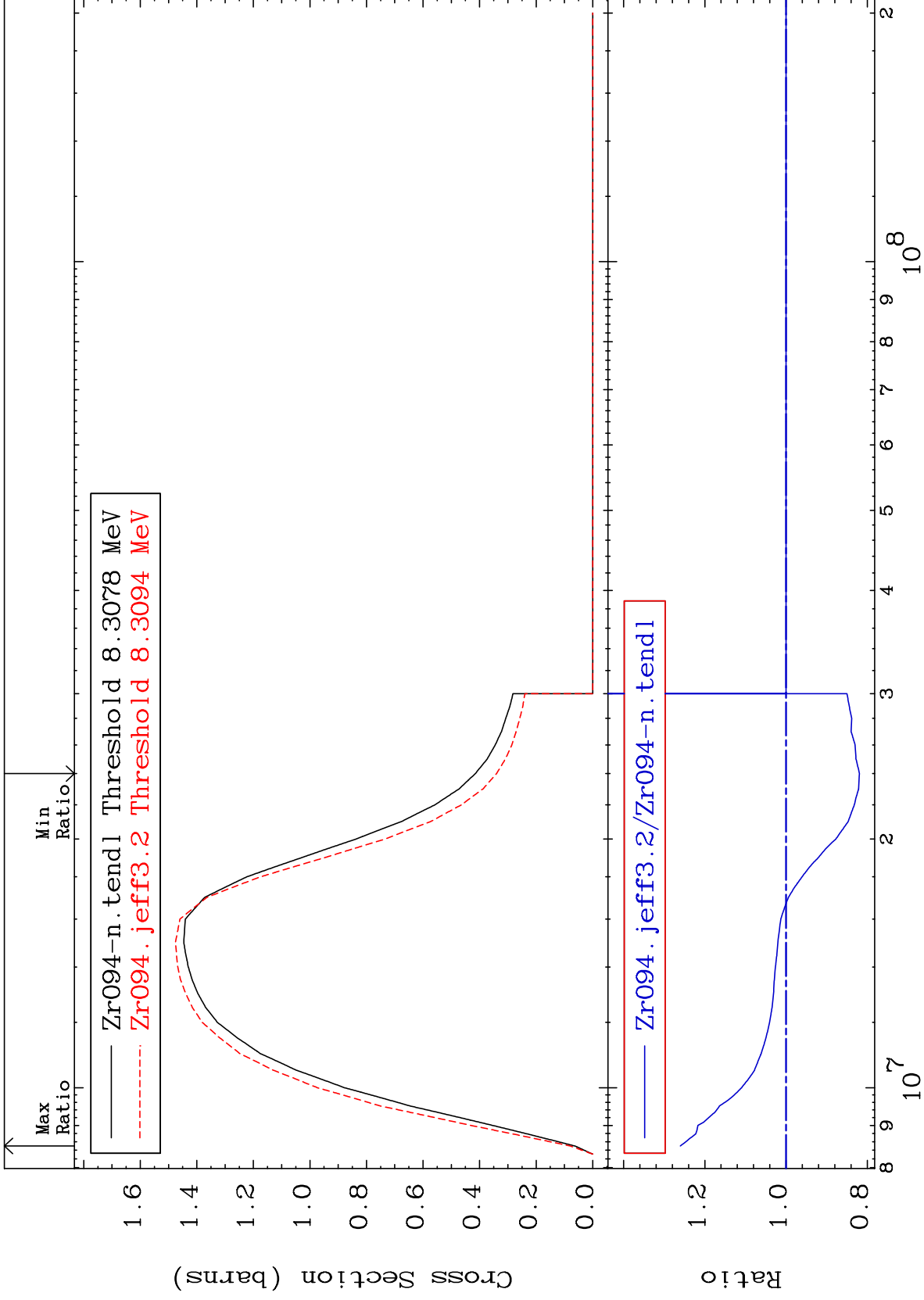
Incident Energy (MeV)

40-Zr-94

MAT 4037

(n,2n)
Cross Section

40-Zr-94
-18.07 To 26.02 %

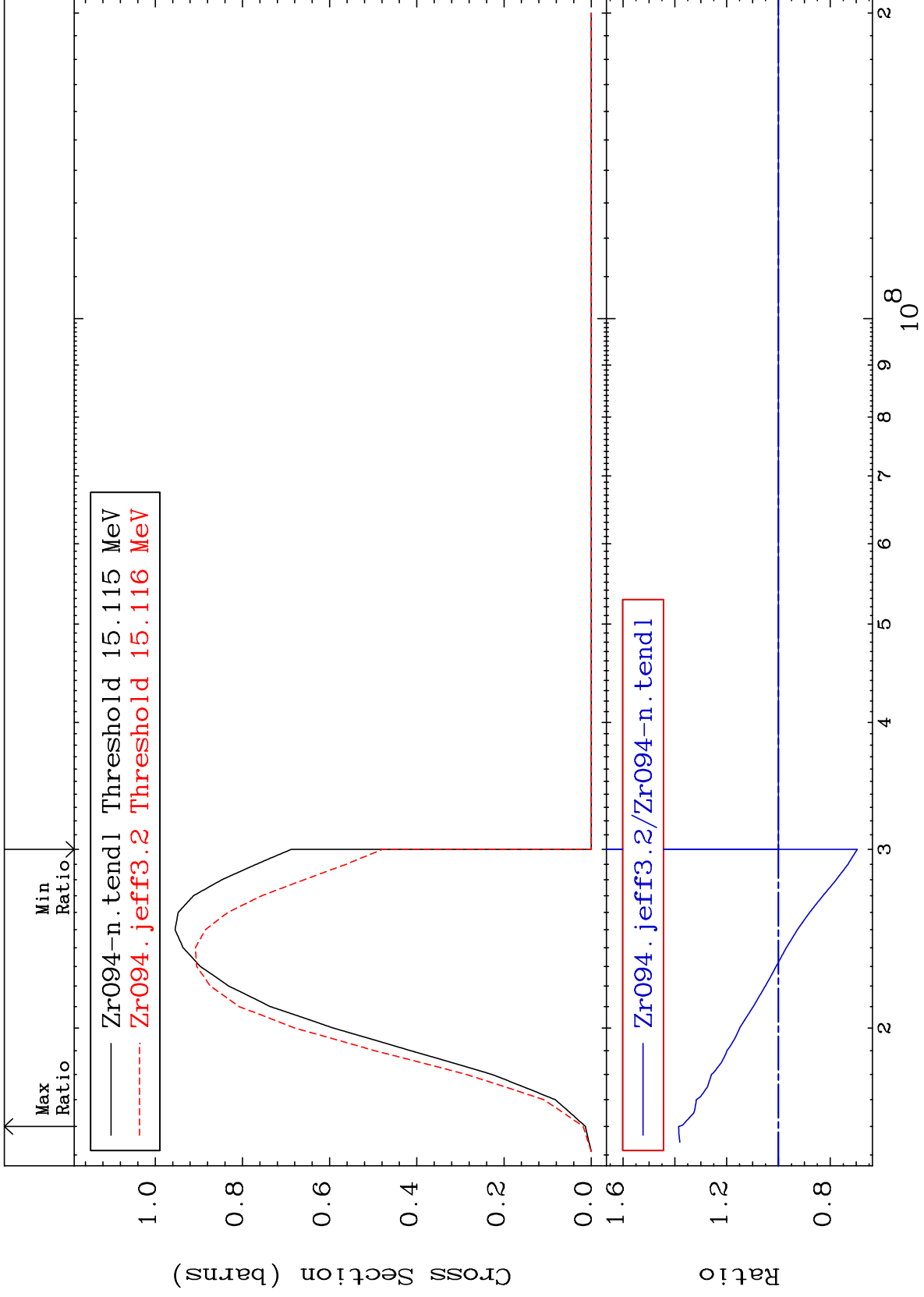


40-Zr-94

MAT 4037

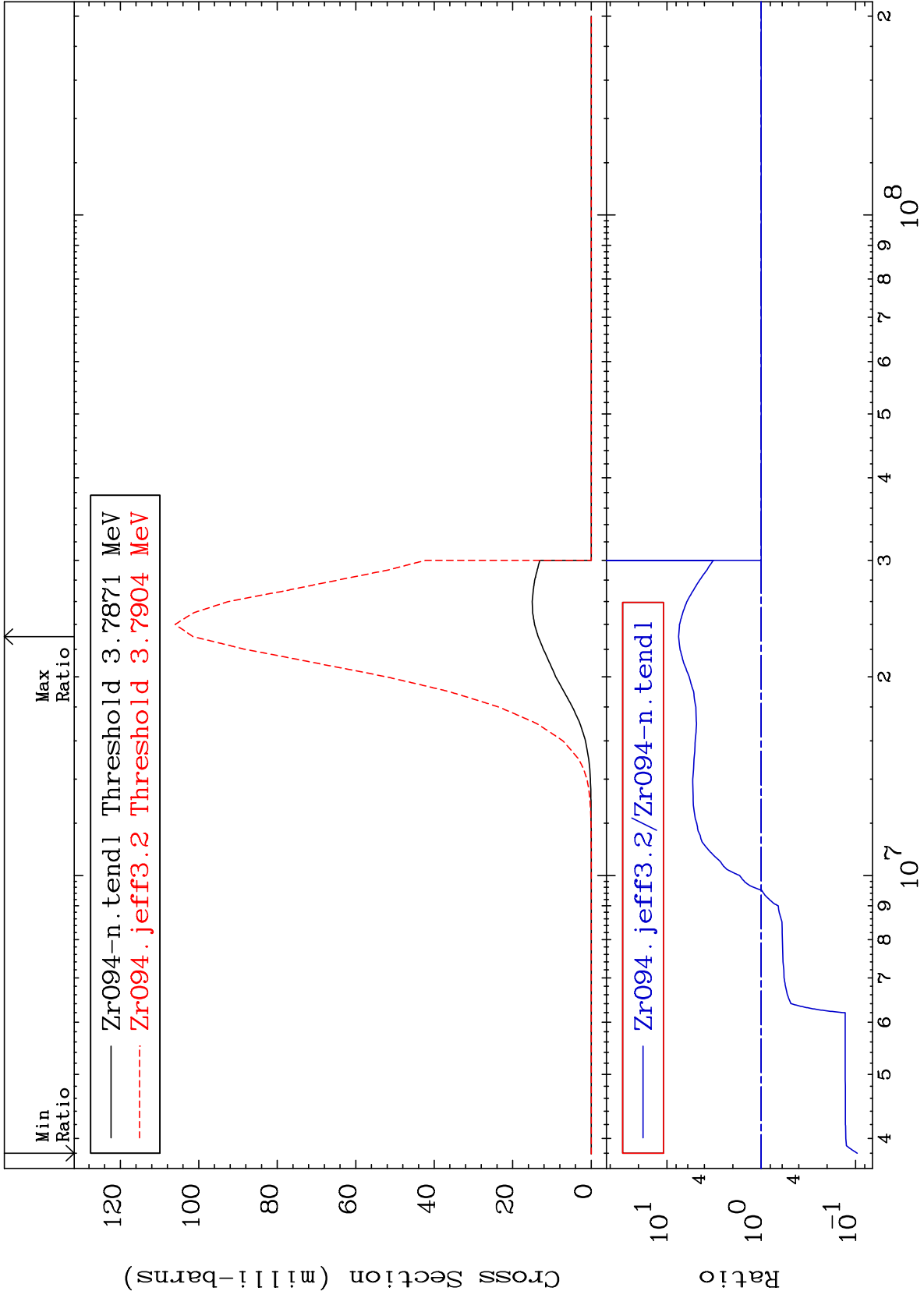
(n,3n)
Cross Section

40-Zr-94
-30.41 To 38.55 %



MAT 4037

(n,n') α
Cross Section
40-Zr-94
-90.40 To 650.6 %



7

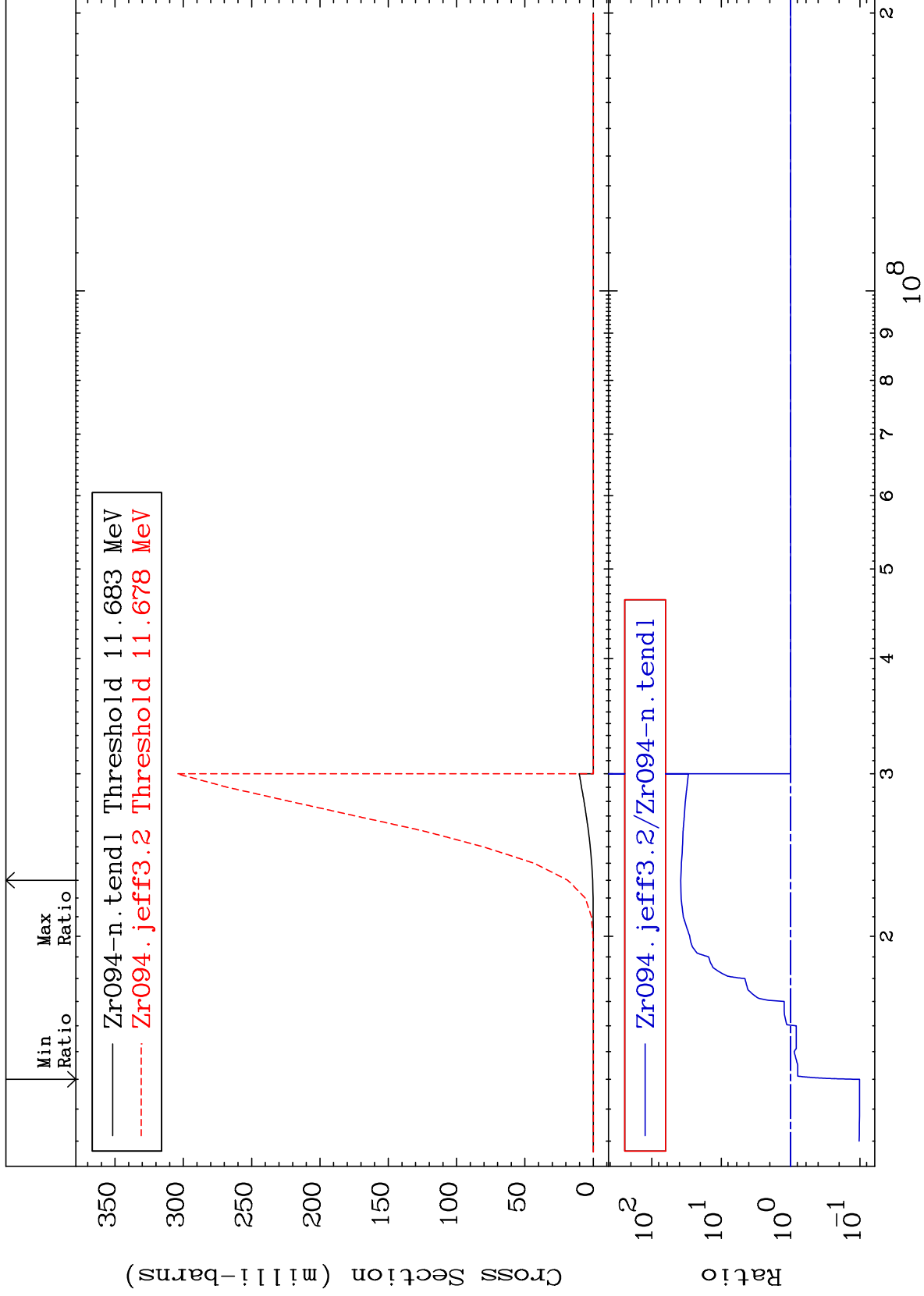
40-Zr-94

40-Zr-94

MAT 4037

(n,2n) α
Cross Section

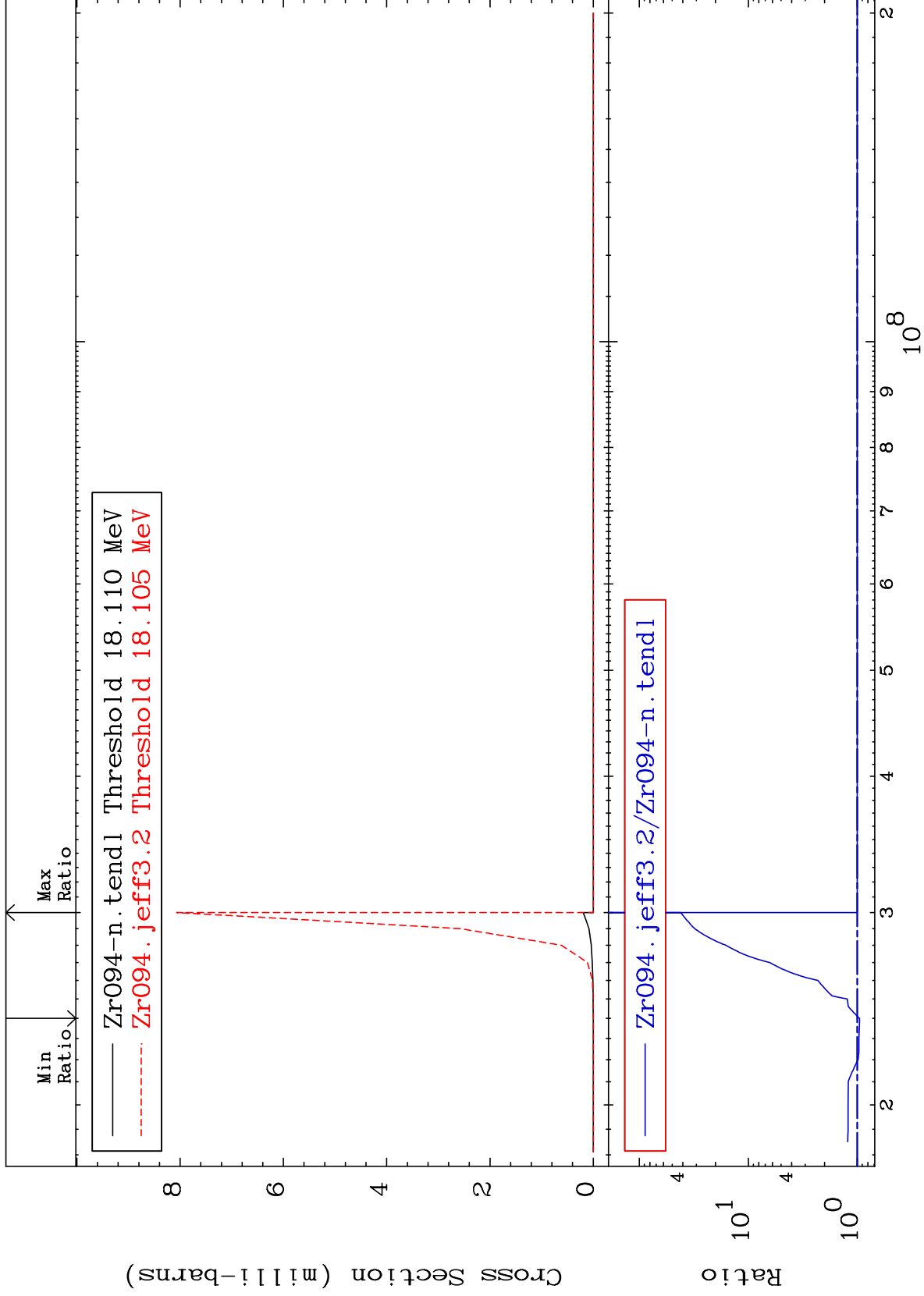
40-Zr-94
-89.86 To 3733. %



MAT 4037

(n,3n) α
Cross Section

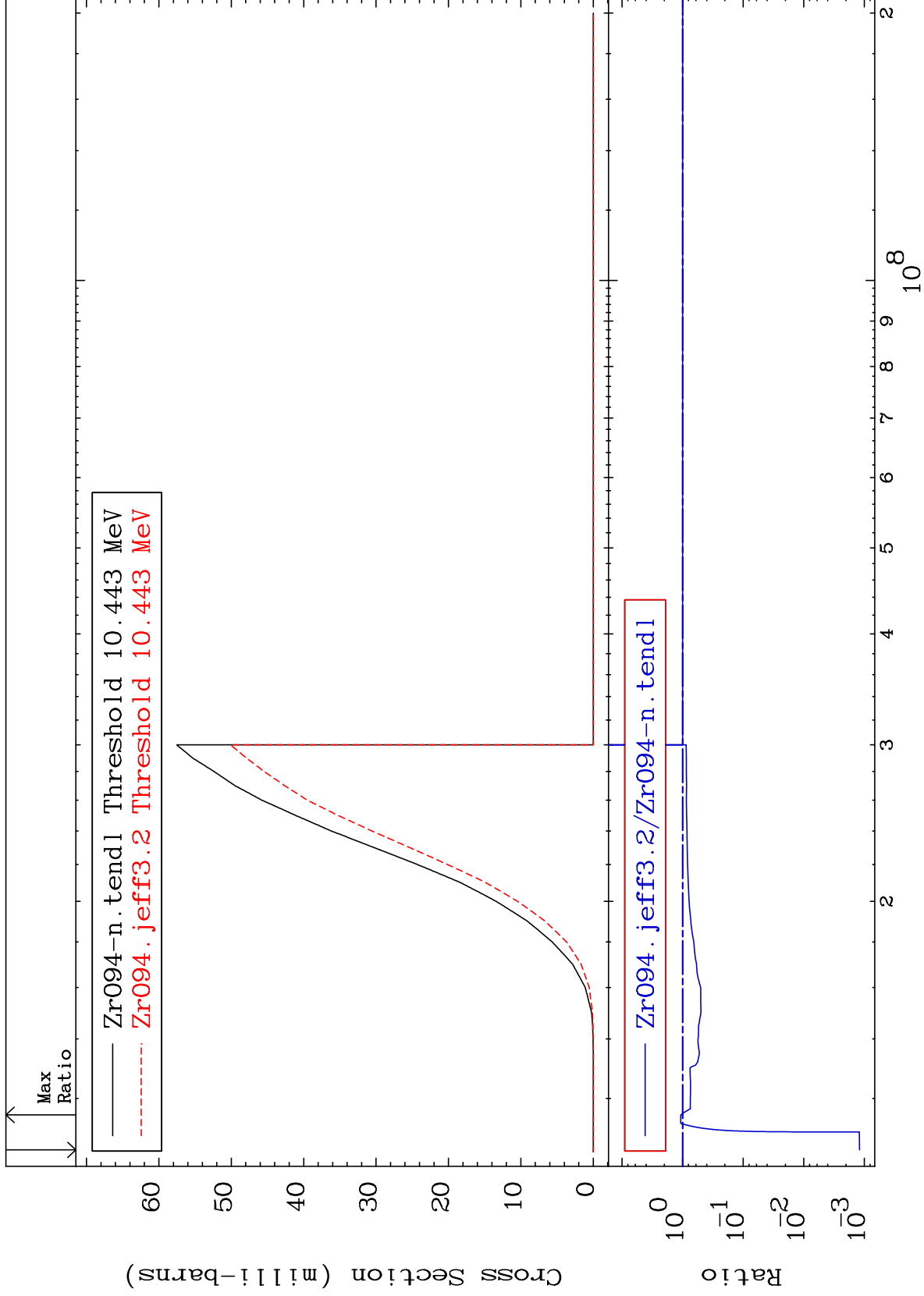
40-Zr-94
-4.658 To 4067. %



MAT 4037

(n, n') p
Cross Section

40-Zr-94
-99.88 To 7.036 %



10

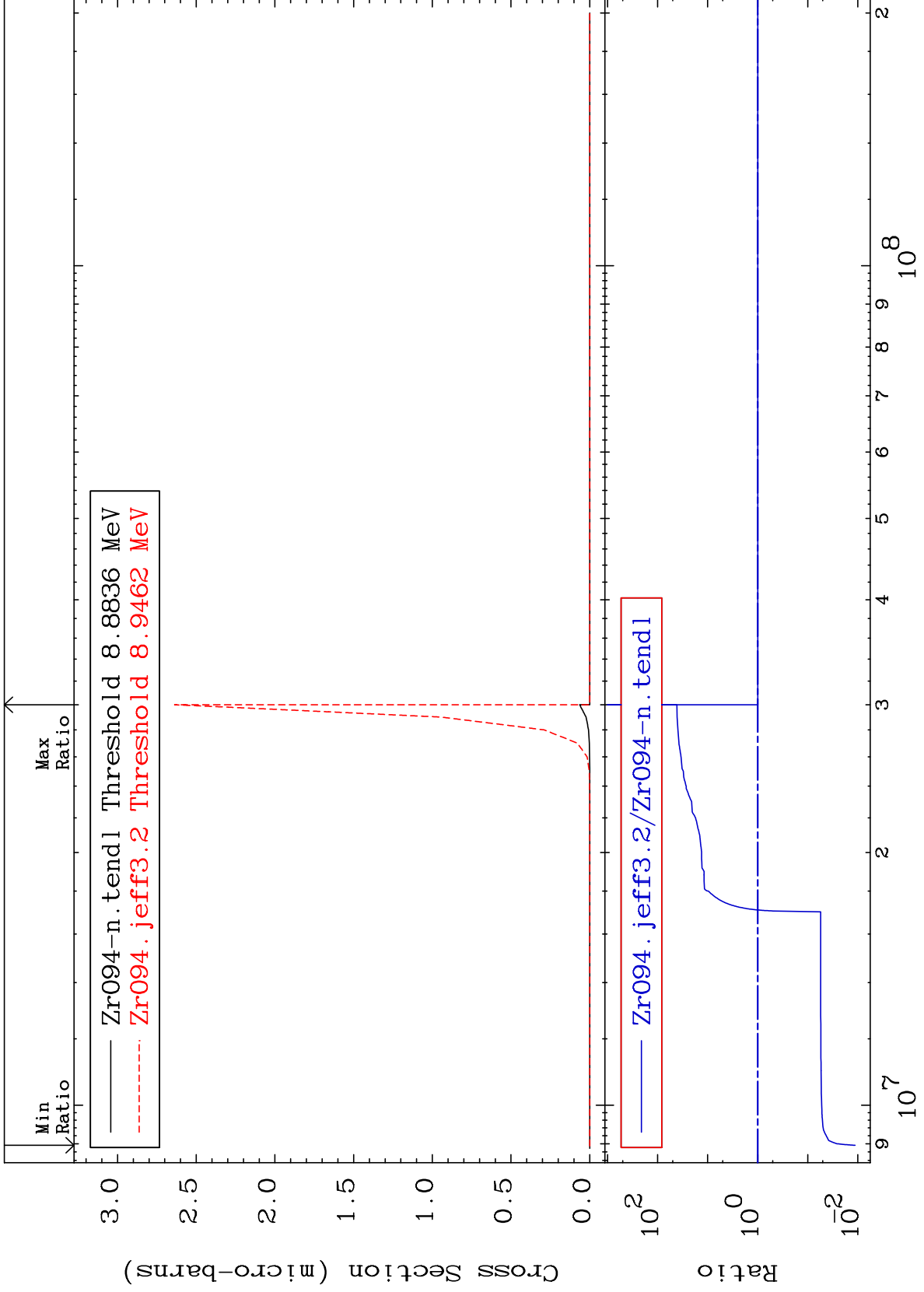
Incident Energy (eV)

40-Zr-94

MAT 4037

(n, n') 2α
Cross Section

40-Zr-94
-98.87 To 4018. %



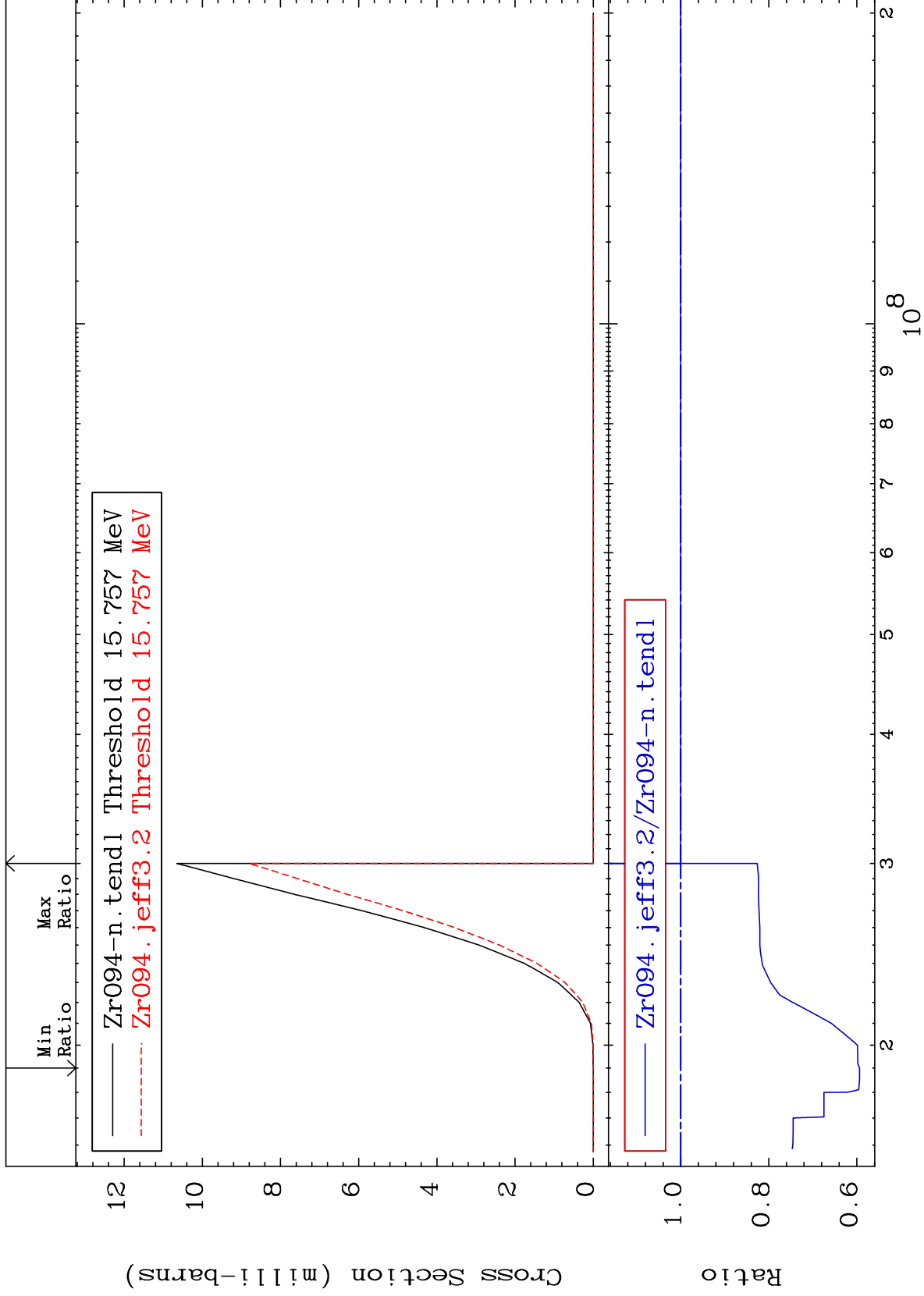
MAT 4037

(n, n') d

40-Zr-94

Cross Section

-40.62 To 0.000 %



12

Incident Energy (eV)

40-Zr-94

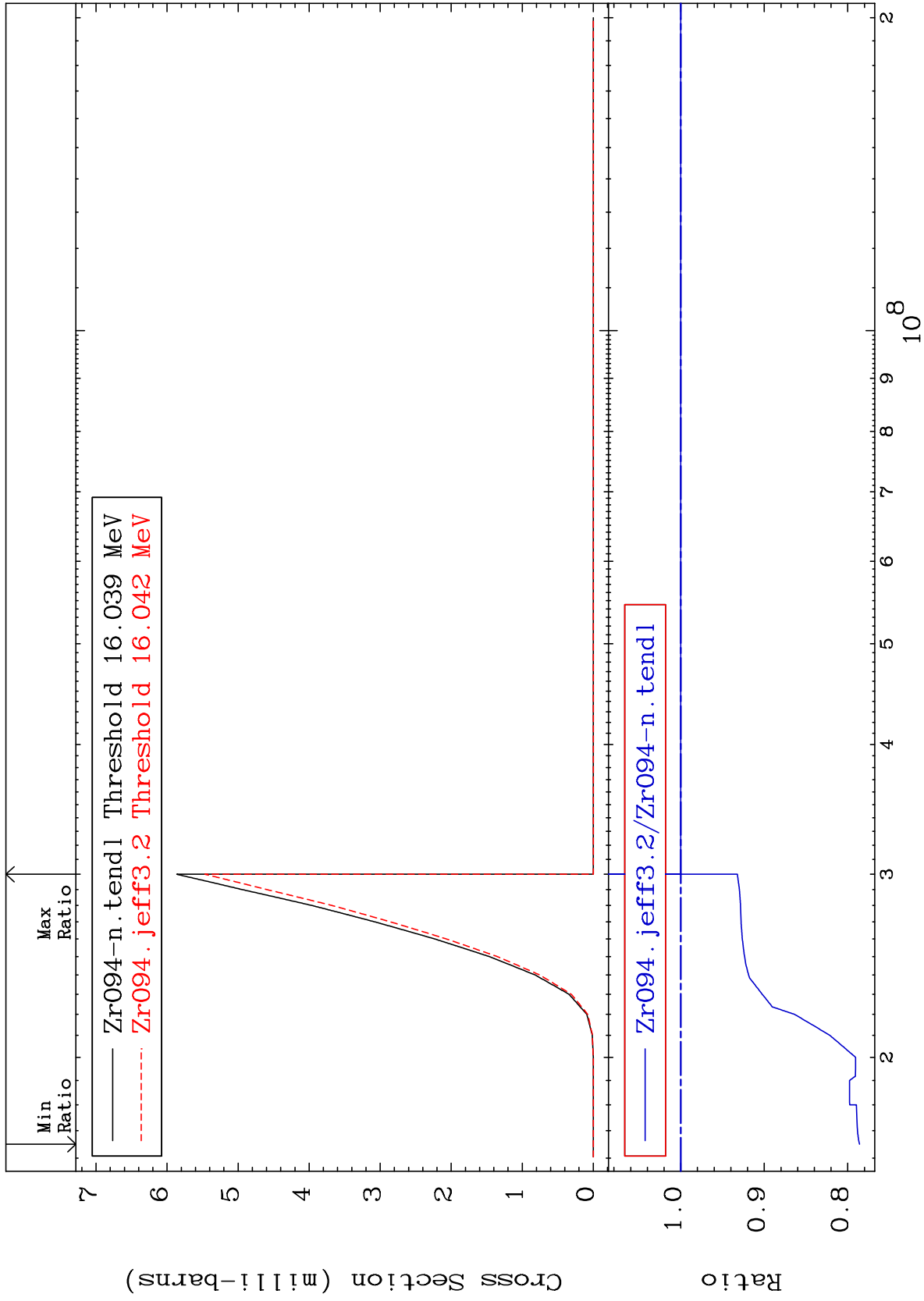
MAT 4037

(n,n') t

40-Zr-94

Cross Section

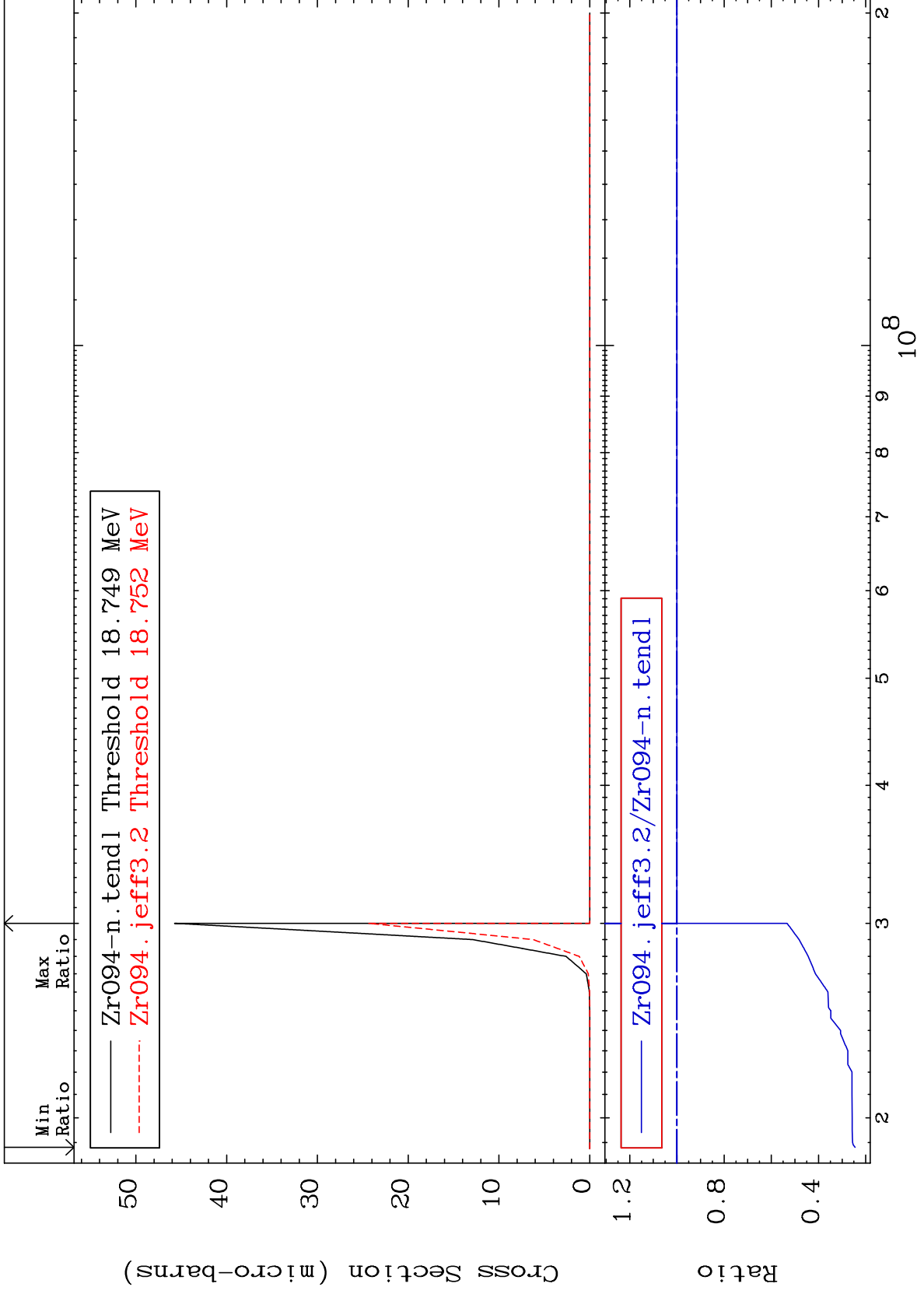
-21.41 To 0.000 %



MAT 4037

(n, n') He-3
Cross Section

40-Zr-94
-75.49 To 0.000 %



14

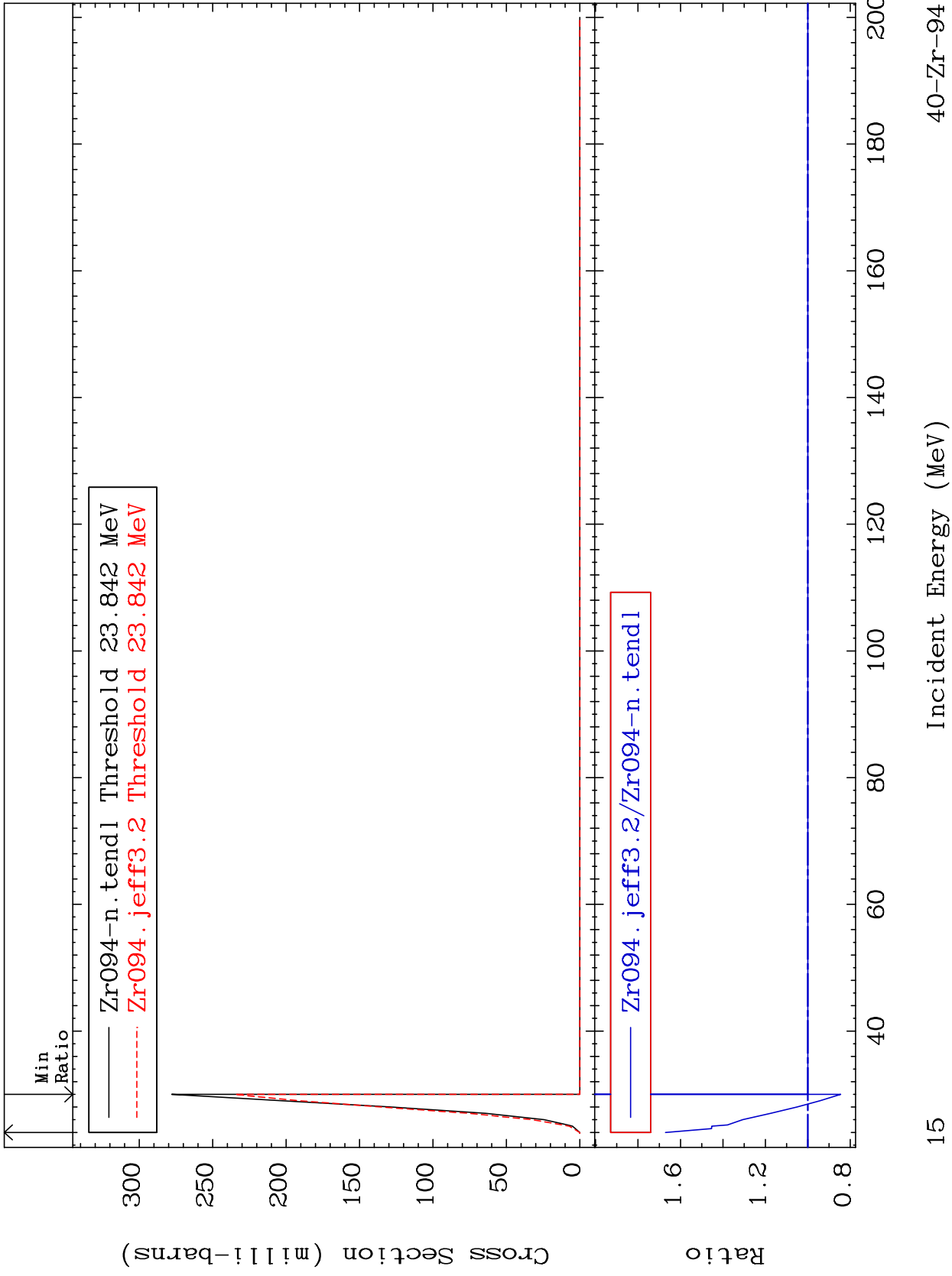
40-Zr-94

40-Zr-94

MAT 4037

(n,4n)
Cross Section

40-Zr-94
-15.46 To 67.05 %



15

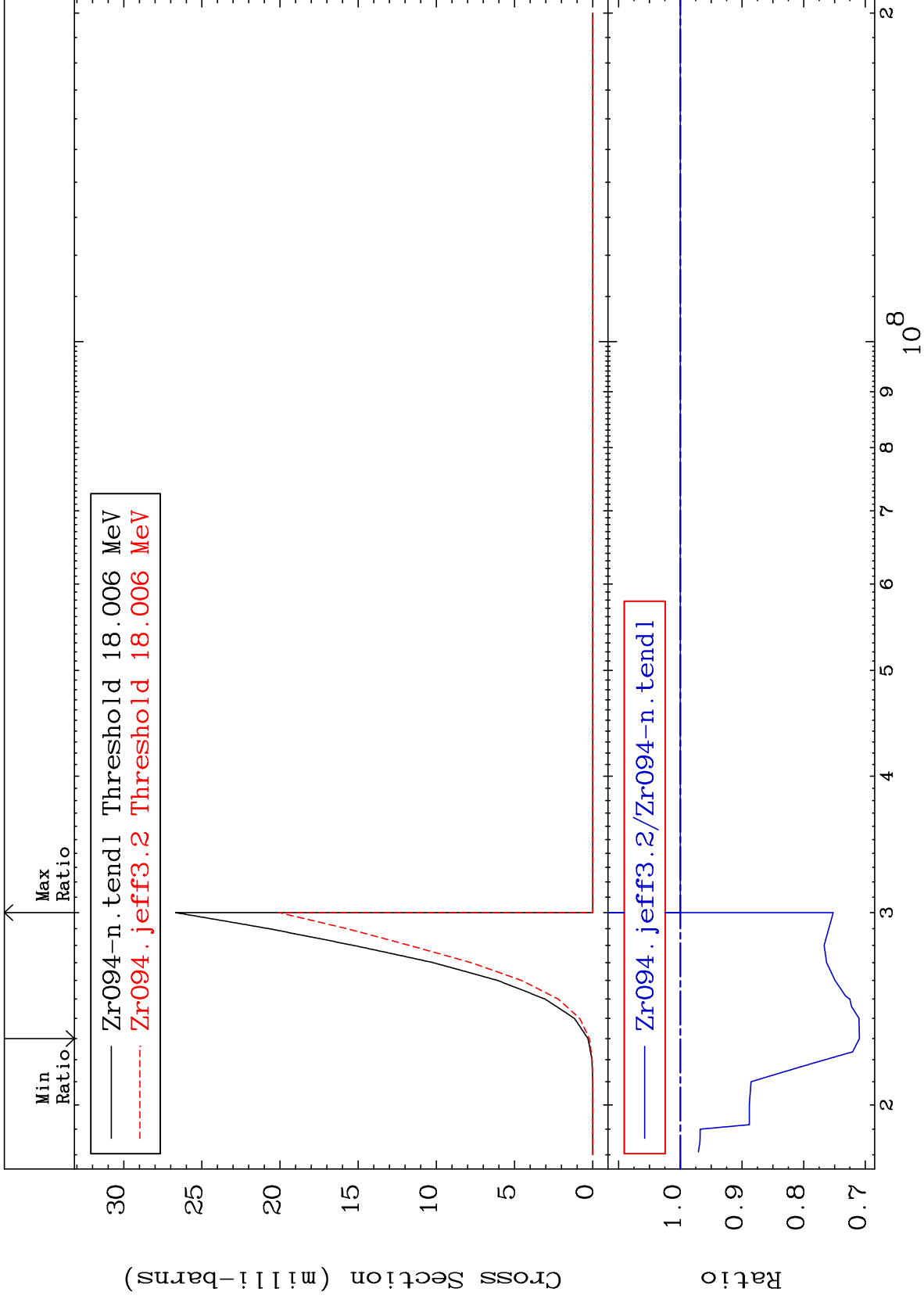
Incident Energy (MeV)

40-Zr-94

MAT 4037

(n,2n) p
Cross Section

40-Zr-94
-29.04 To 0.000 %



16

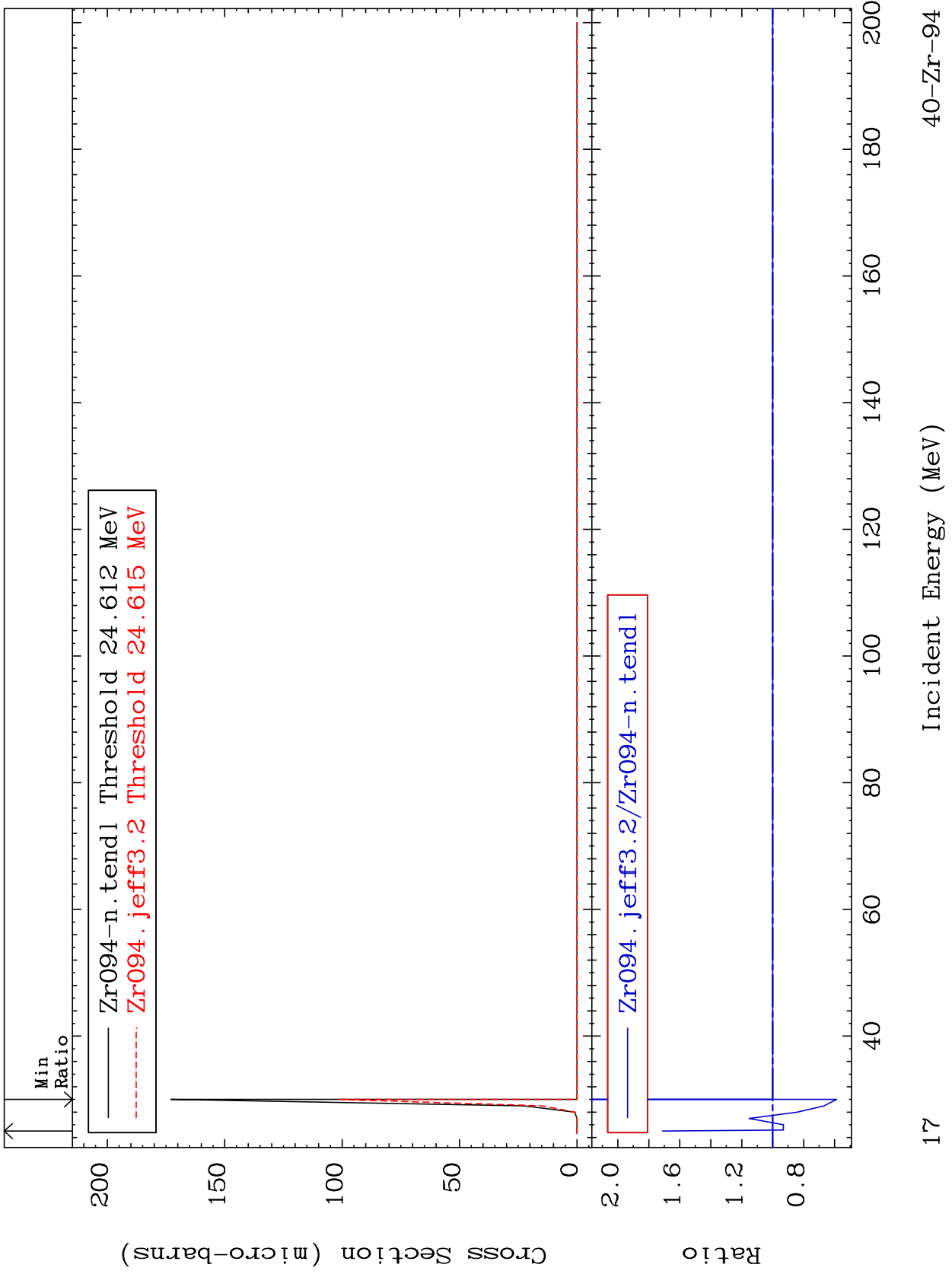
40-Zr-94

40-Zr-94

MAT 4037

(n,3n) p
Cross Section

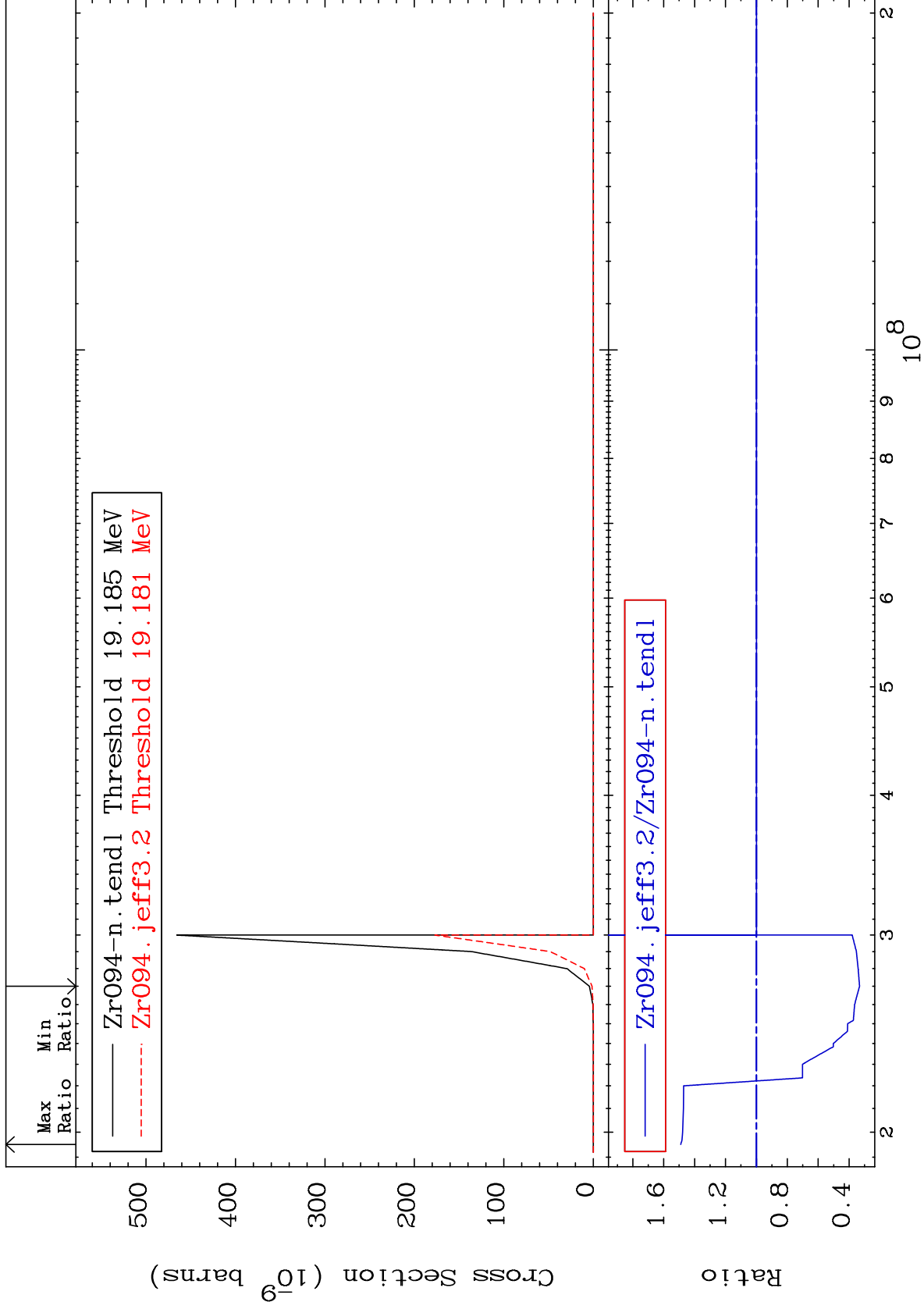
40-Zr-94
-41.26 To 71.27 %



MAT 4037

(n,2n) p
Cross Section

40-Zr-94
-66.76 To 48.95 %



18

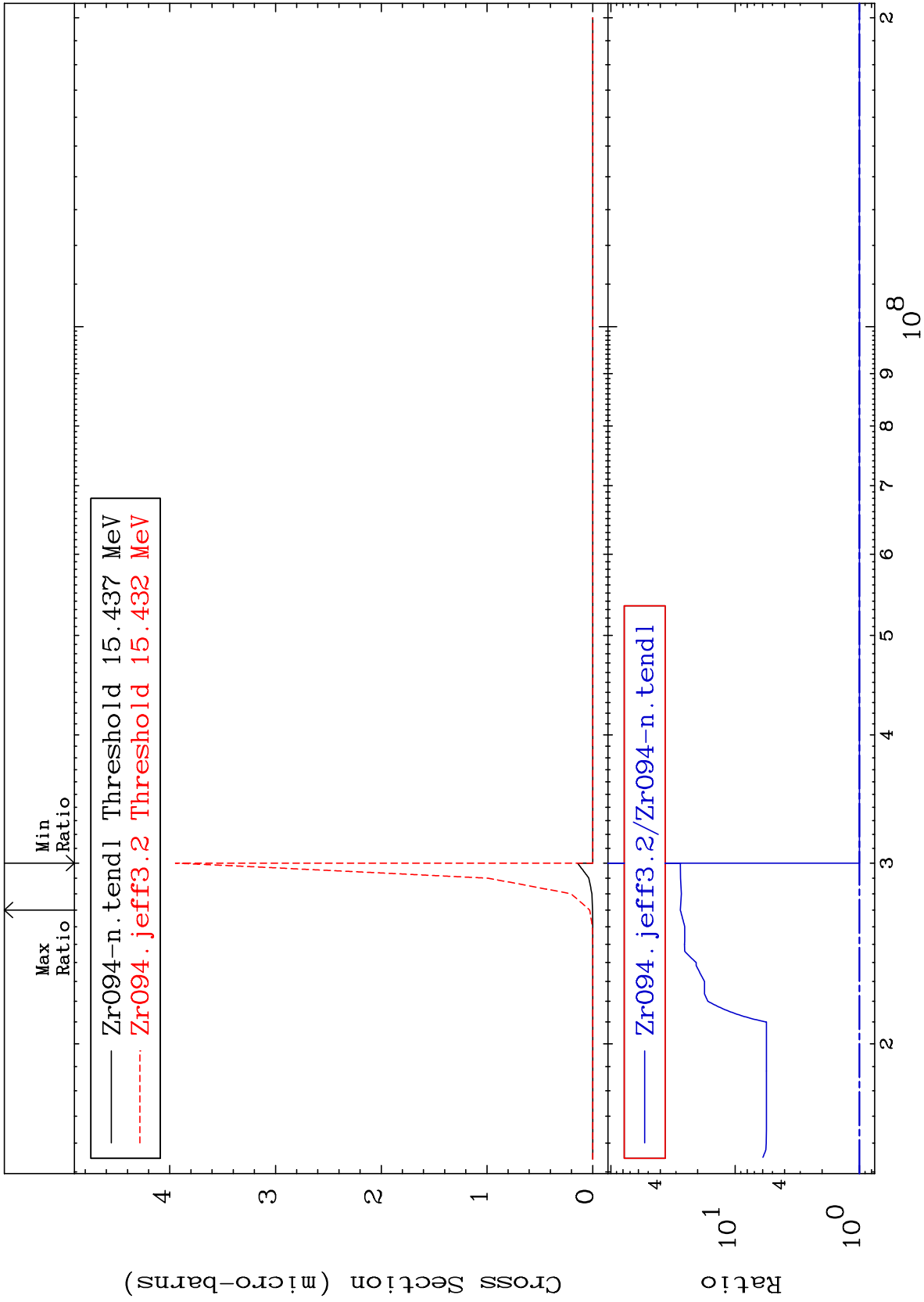
Incident Energy (eV)

40-Zr-94

MAT 4037

(n,n') p α
Cross Section

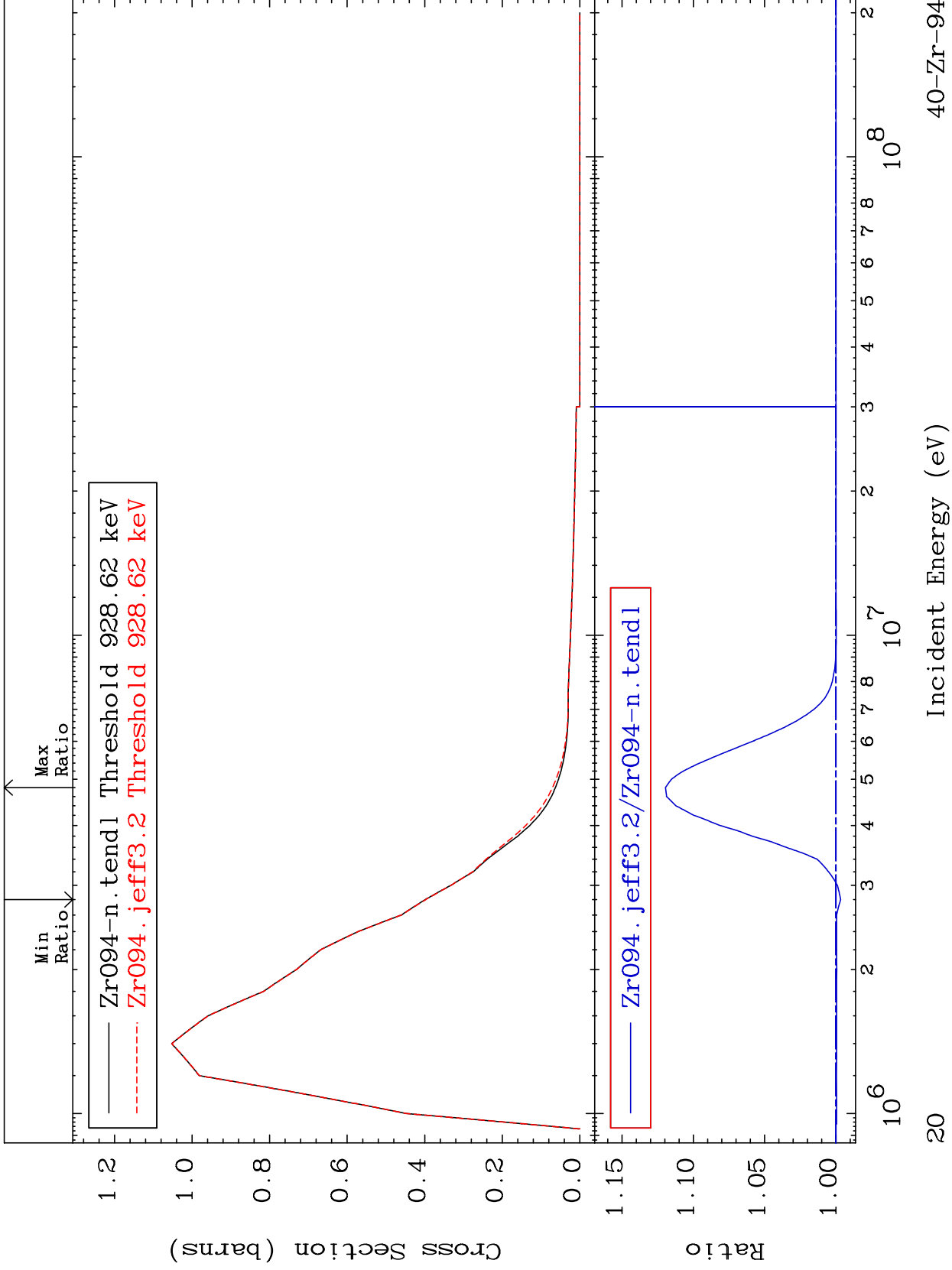
40-Zr-94
0.000 To 2659. %



MAT 4037

918.8 keV (n,n') Level
Cross Section

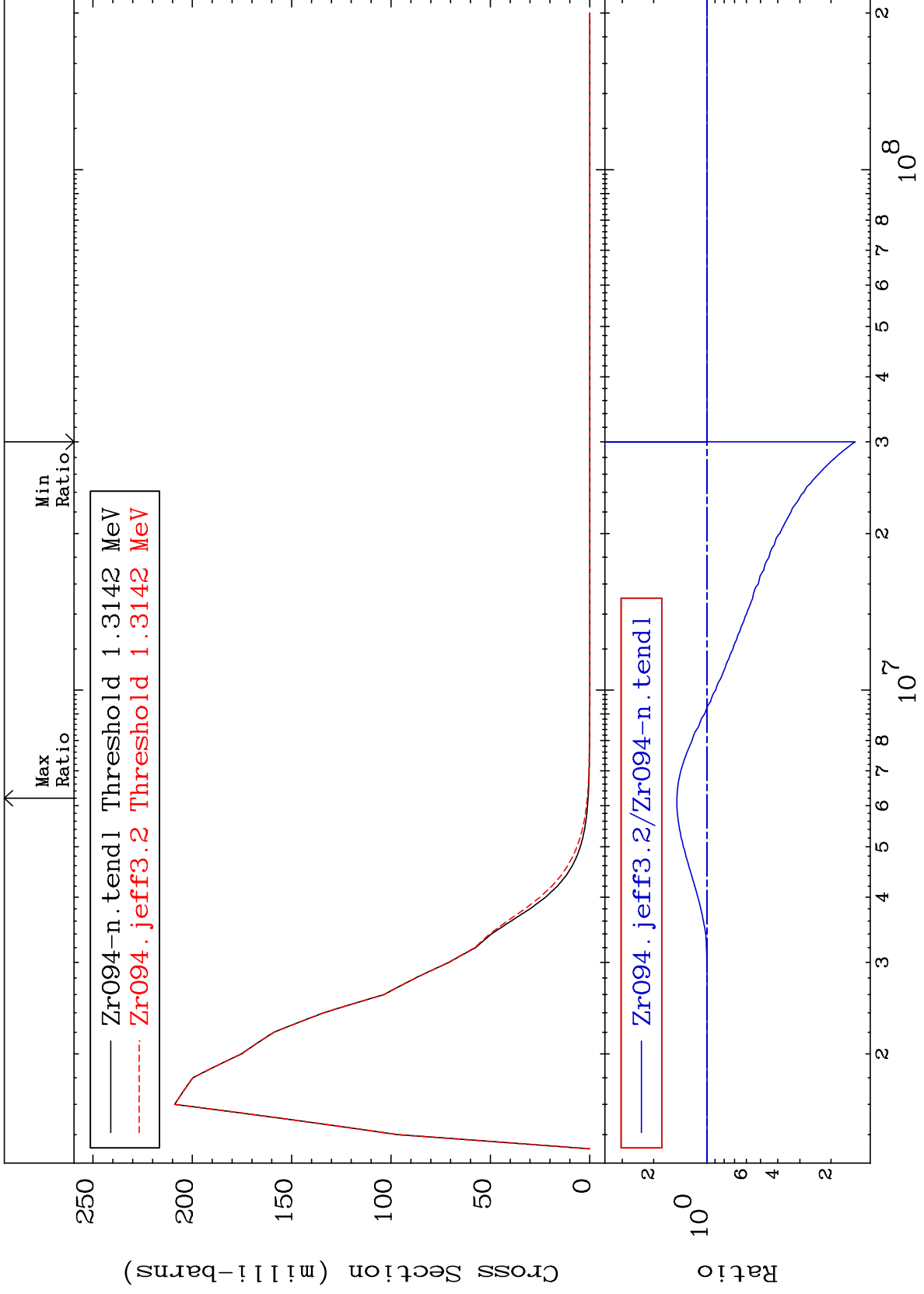
40-Zr-94
-0.333 To 11.95 %



MAT 4037

1.300 MeV (n,n') Level
Cross Section

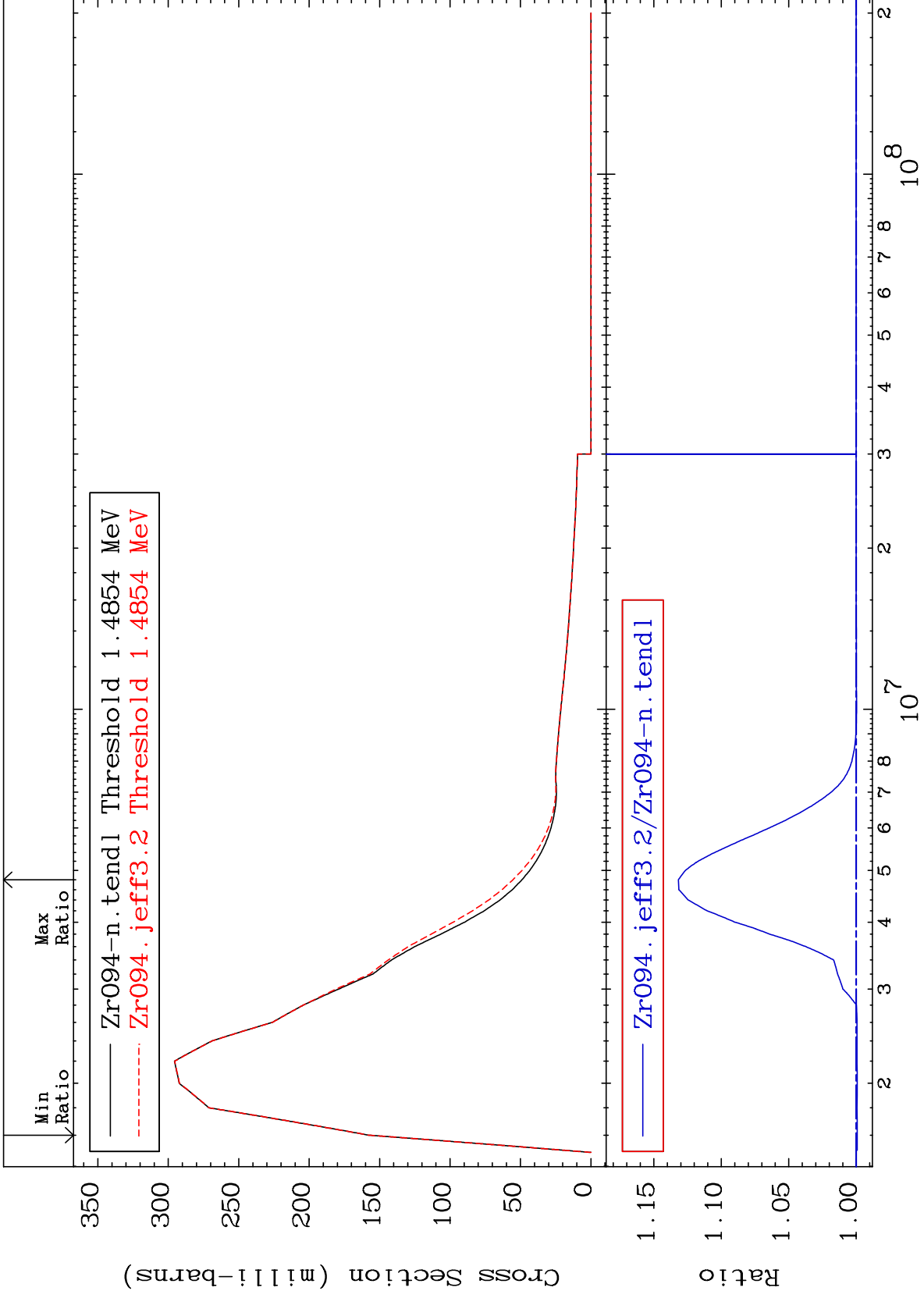
40-Zr-94
-85.35 To 47.69 %



MAT 4037

1.470 MeV (n,n') Level
Cross Section

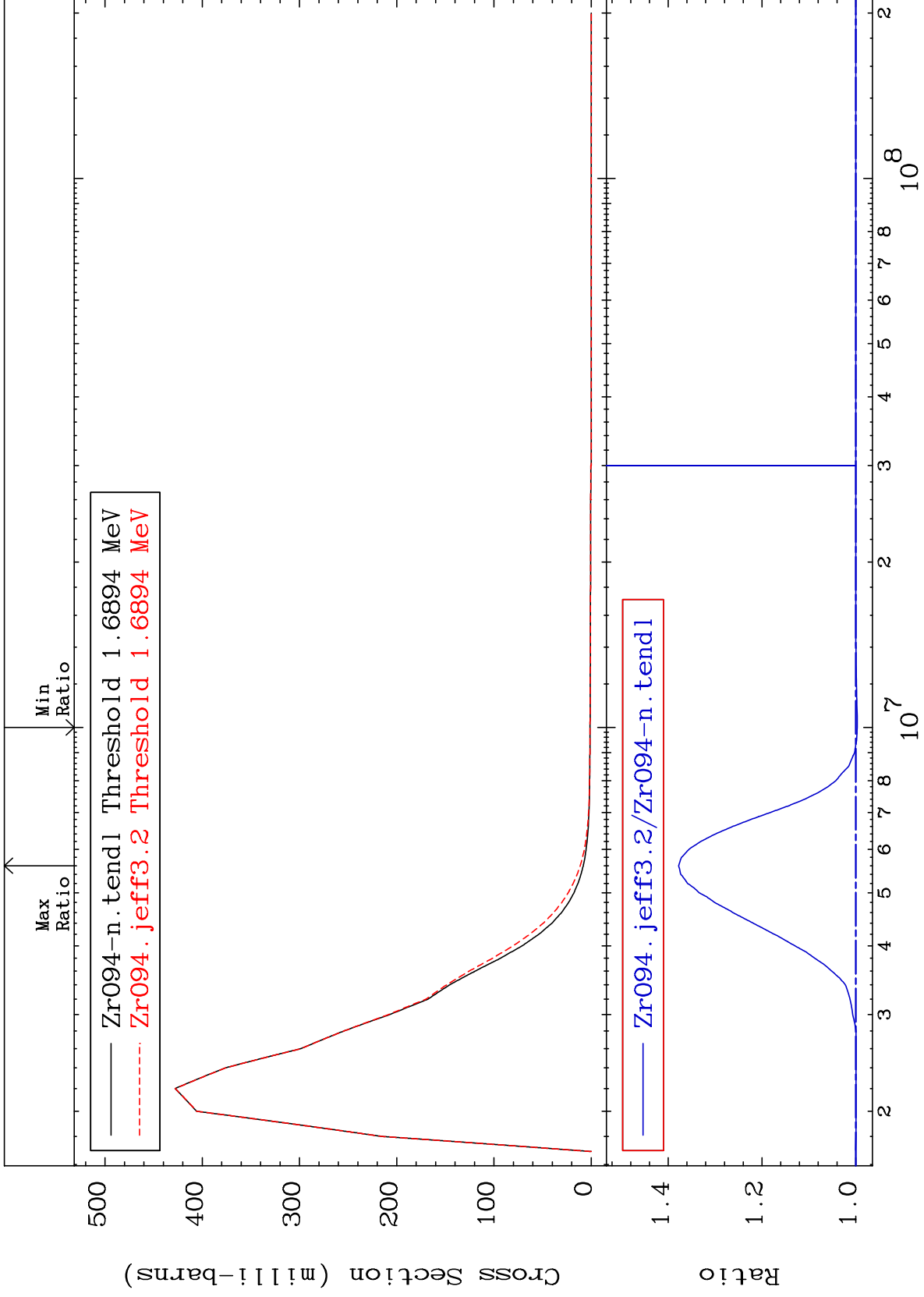
40-Zr-94
-0.071 To 13.17 %



MAT 4037

1.671 MeV (n,n') Level
Cross Section

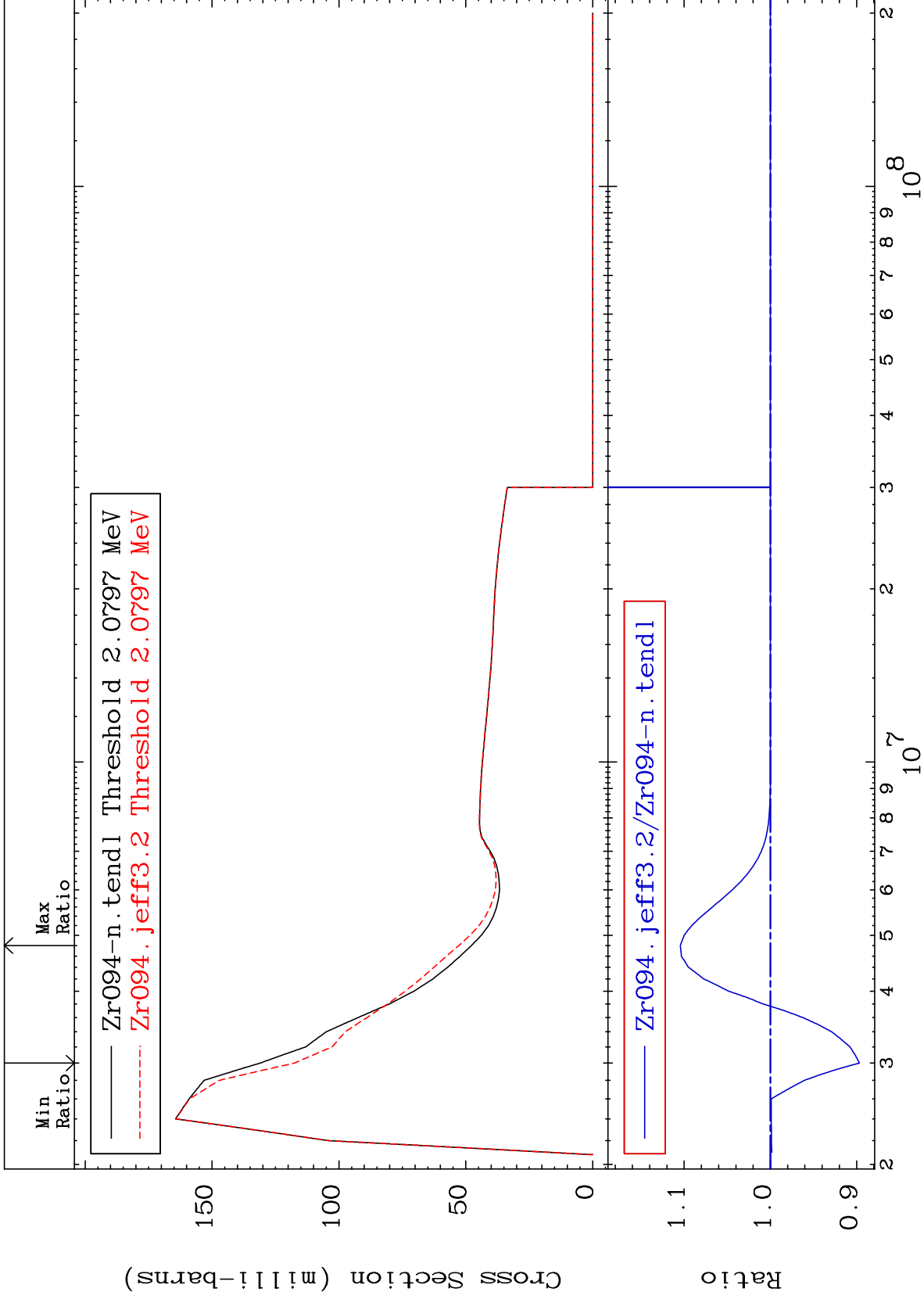
40-Zr-94
-0.322 To 37.78 %



MAT 4037

2.058 MeV (n,n') Level
Cross Section

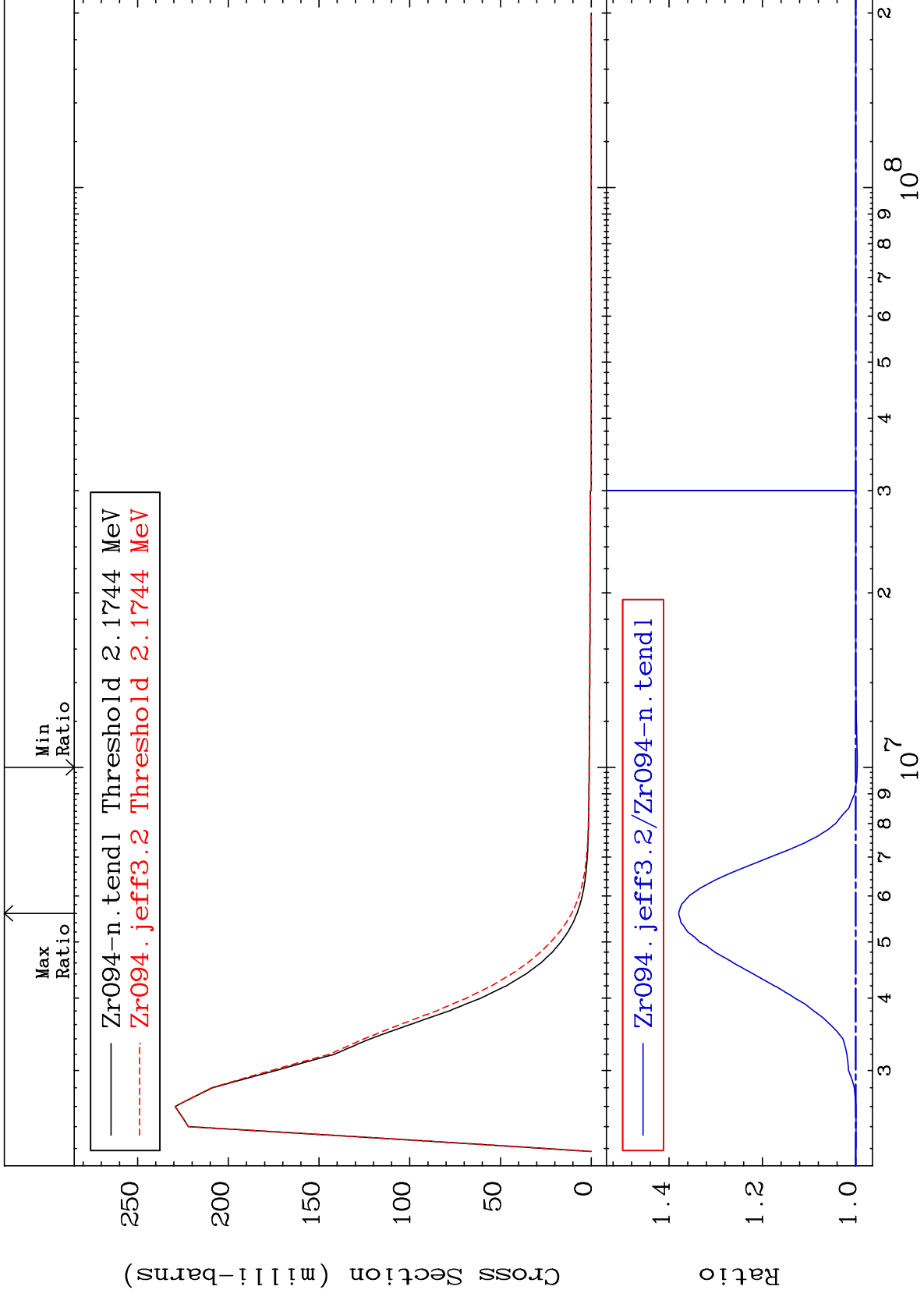
40-Zr-94
-10.32 To 10.44 %



MAT 4037

2.151 MeV (n,n') Level
Cross Section

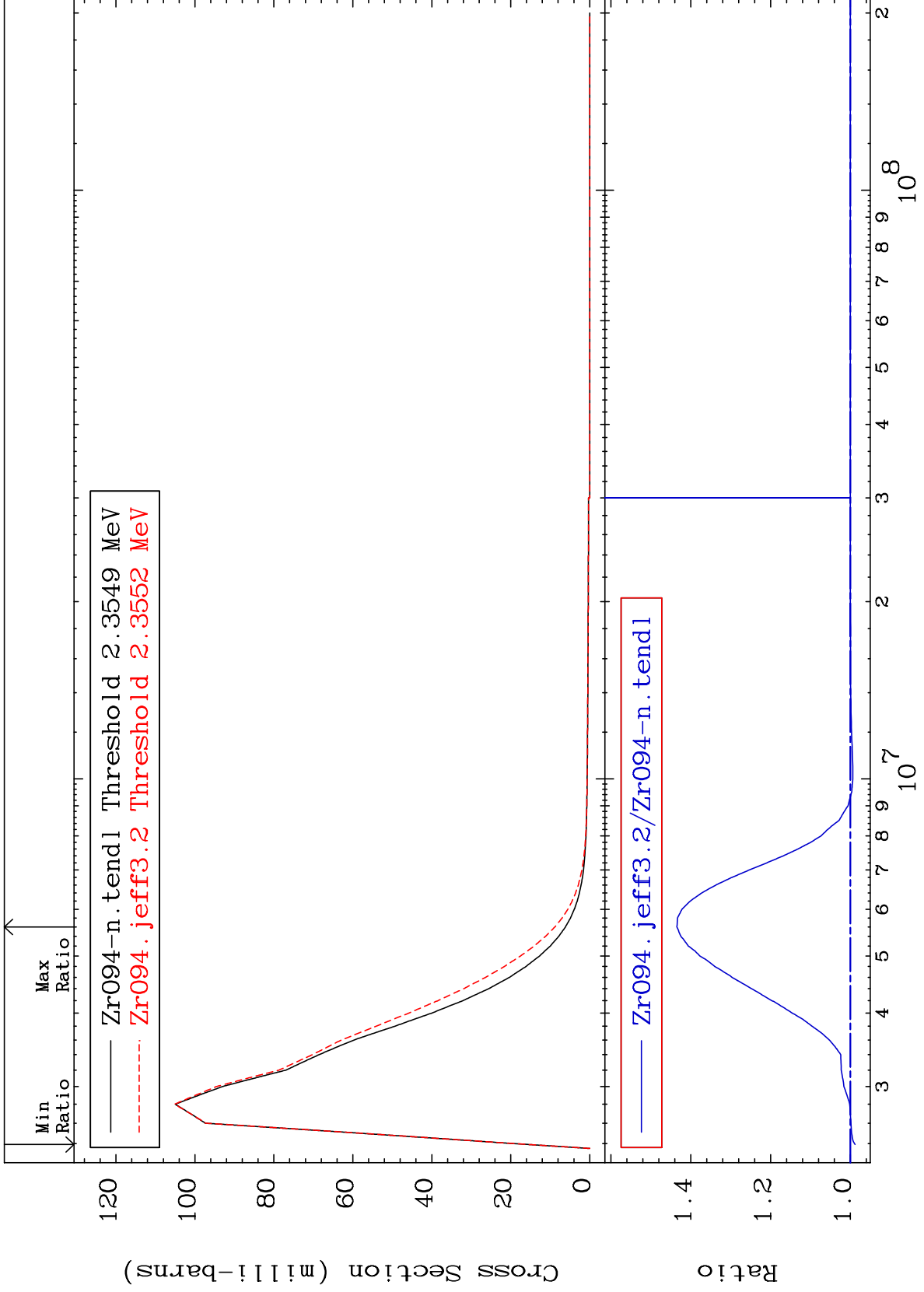
40-Zr-94
-0.327 To 37.94 %



MAT 4037

2.330 MeV (n,n') Level
Cross Section

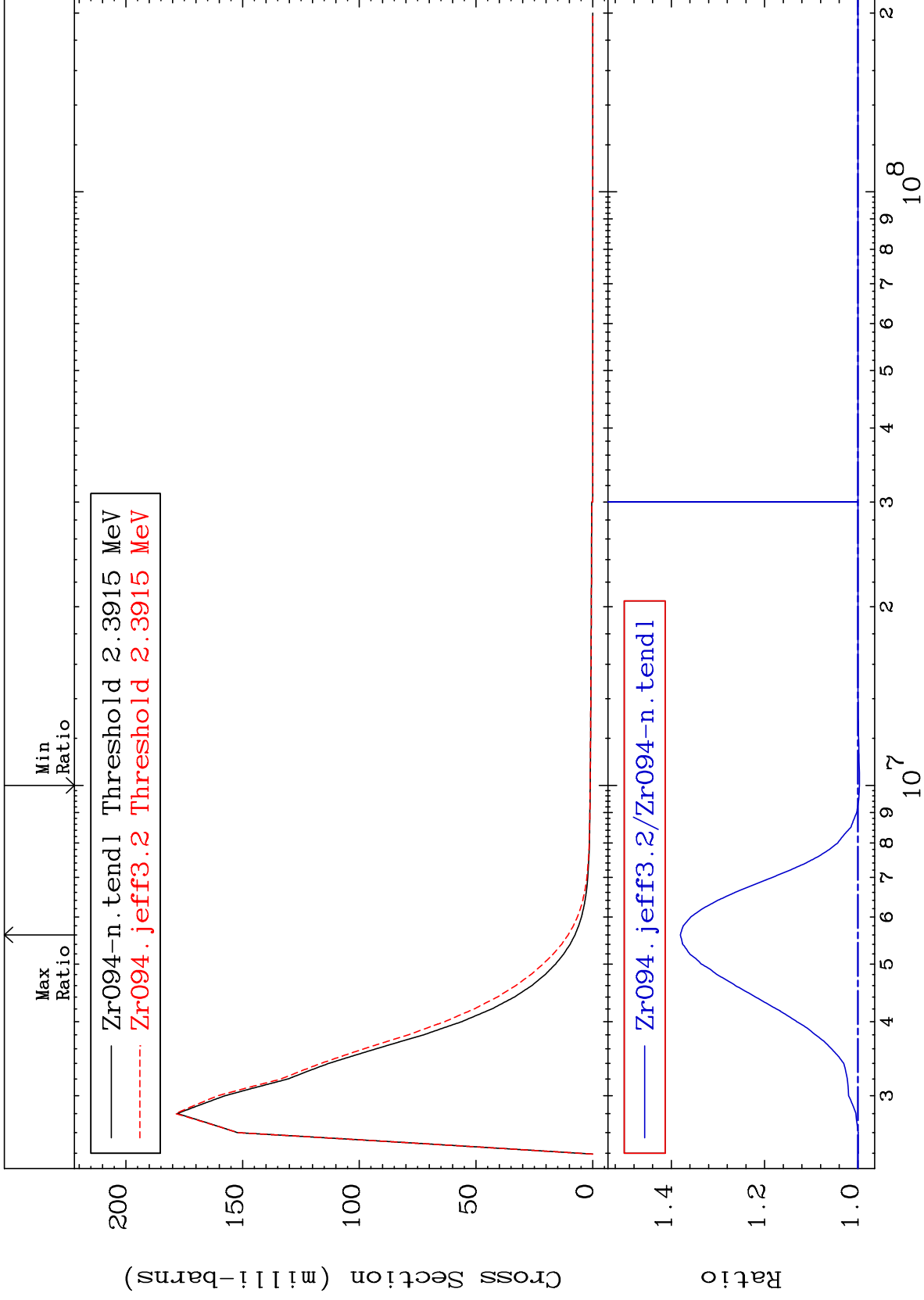
40-Zr-94
-1.175 To 43.47 %



MAT 4037

2.366 MeV (n,n') Level
Cross Section

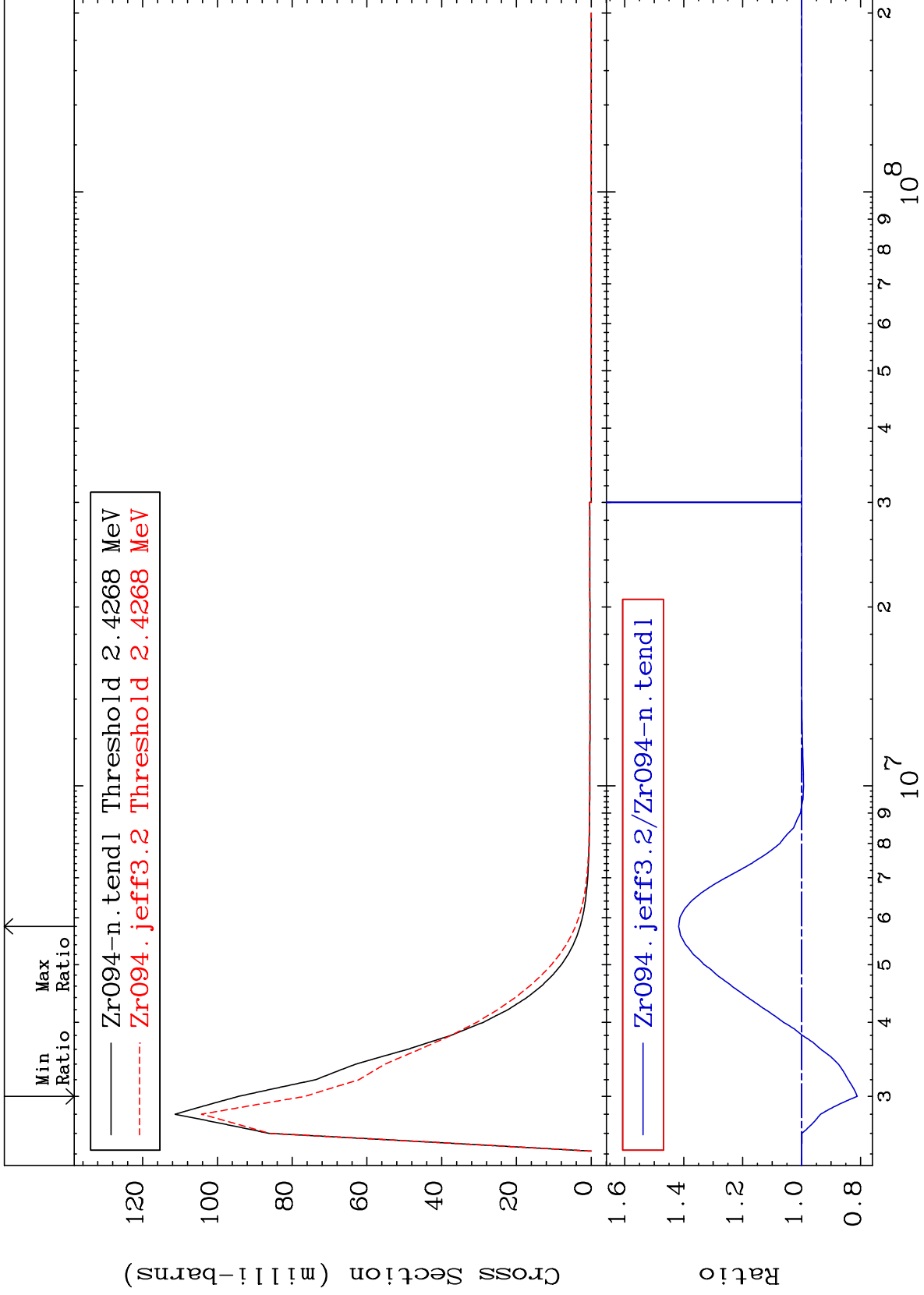
40-Zr-94
-0.330 To 38.05 %



MAT 4037

2.401 MeV (n,n') Level
Cross Section

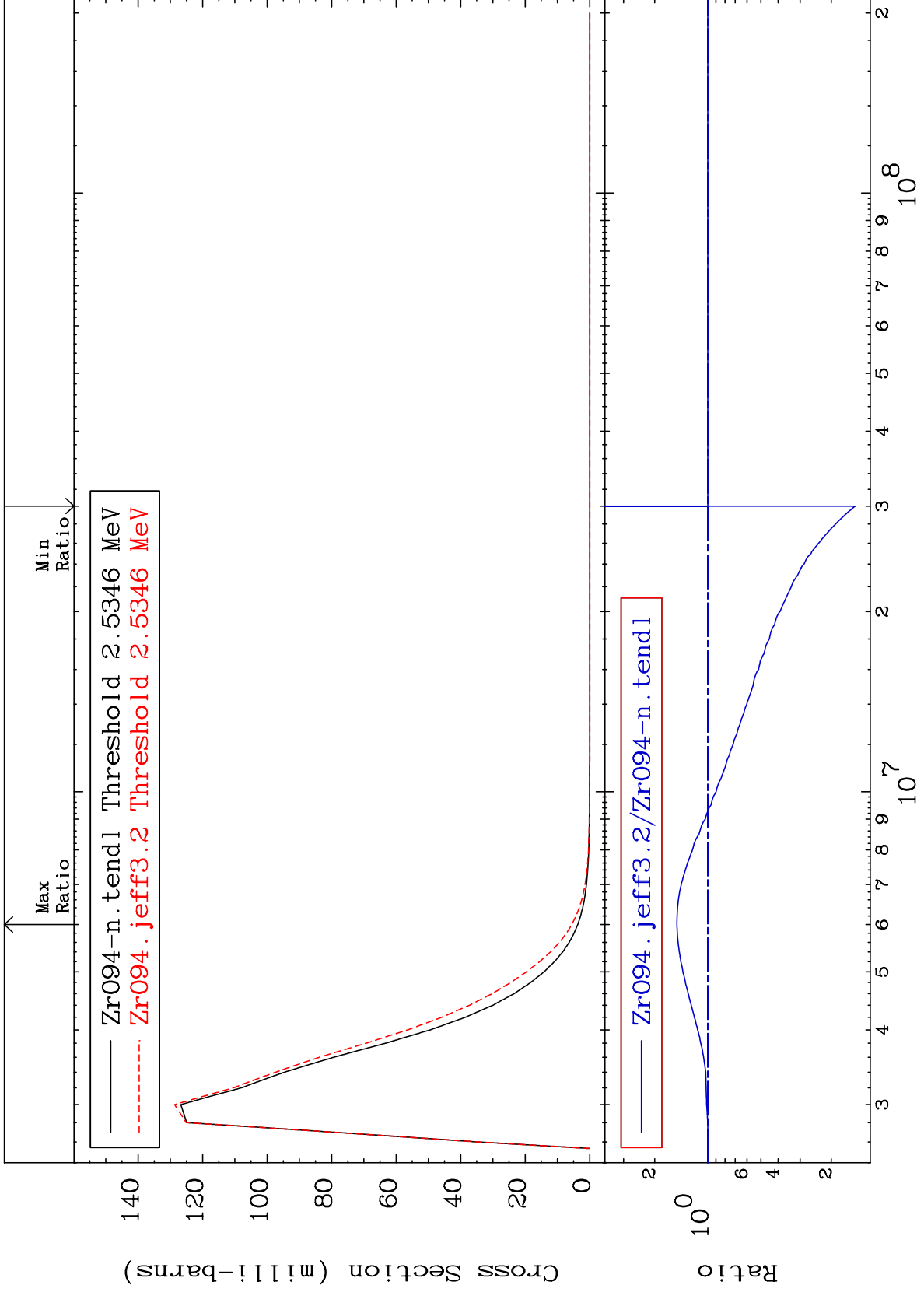
40-Zr-94
-18.86 To 41.73 %



MAT 4037

2.508 MeV (n,n') Level
Cross Section

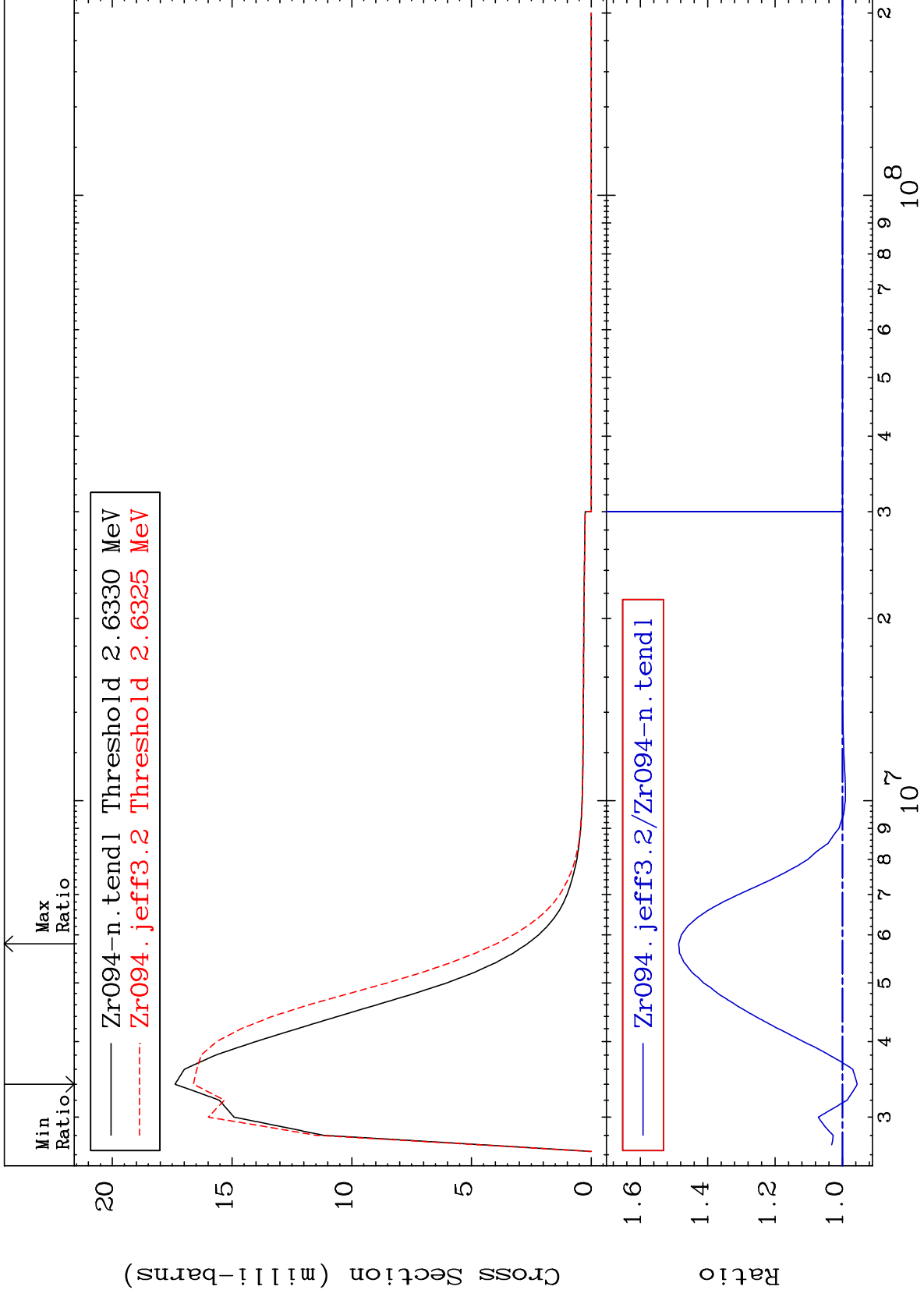
40-Zr-94
-85.33 To 49.55 %



MAT 4037

2.605 MeV (n,n') Level
Cross Section

40-Zr-94
-4.403 To 48.61 %



30

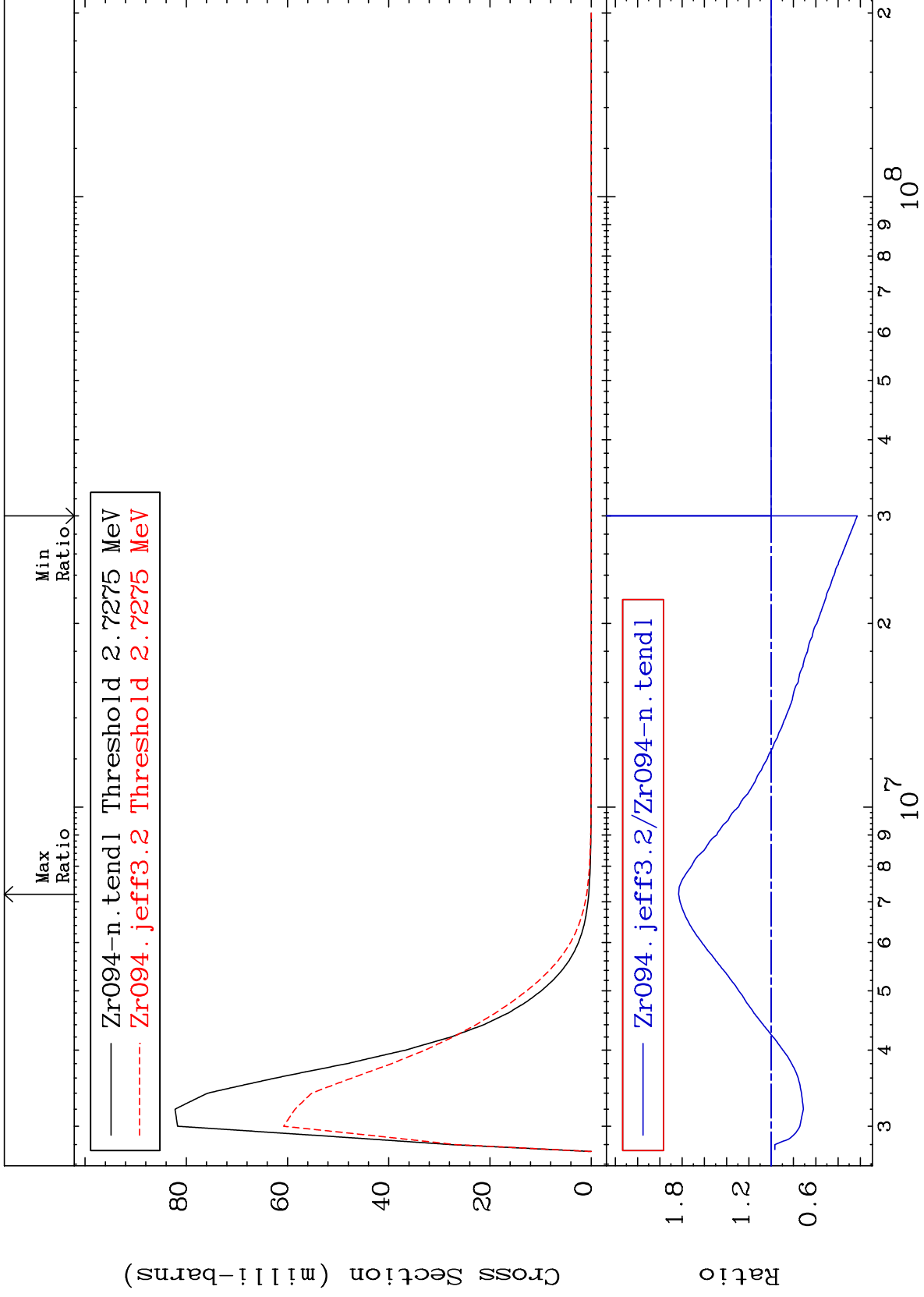
Incident Energy (eV)

40-Zr-94

MAT 4037

2.698 MeV (n,n') Level
Cross Section

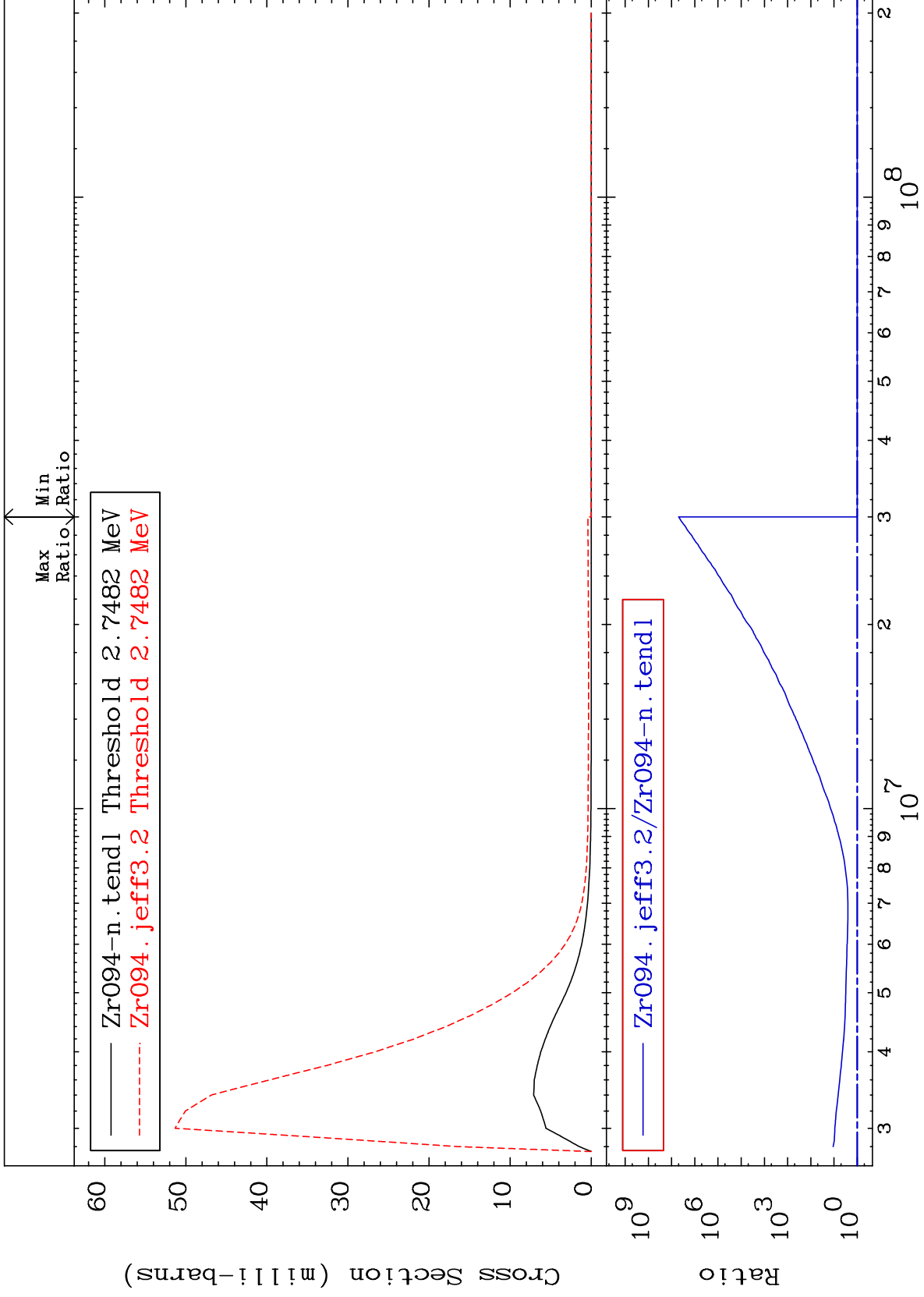
40-Zr-94
-77.25 To 83.14 %



MAT 4037

2.719 MeV (n,n') Level
Cross Section

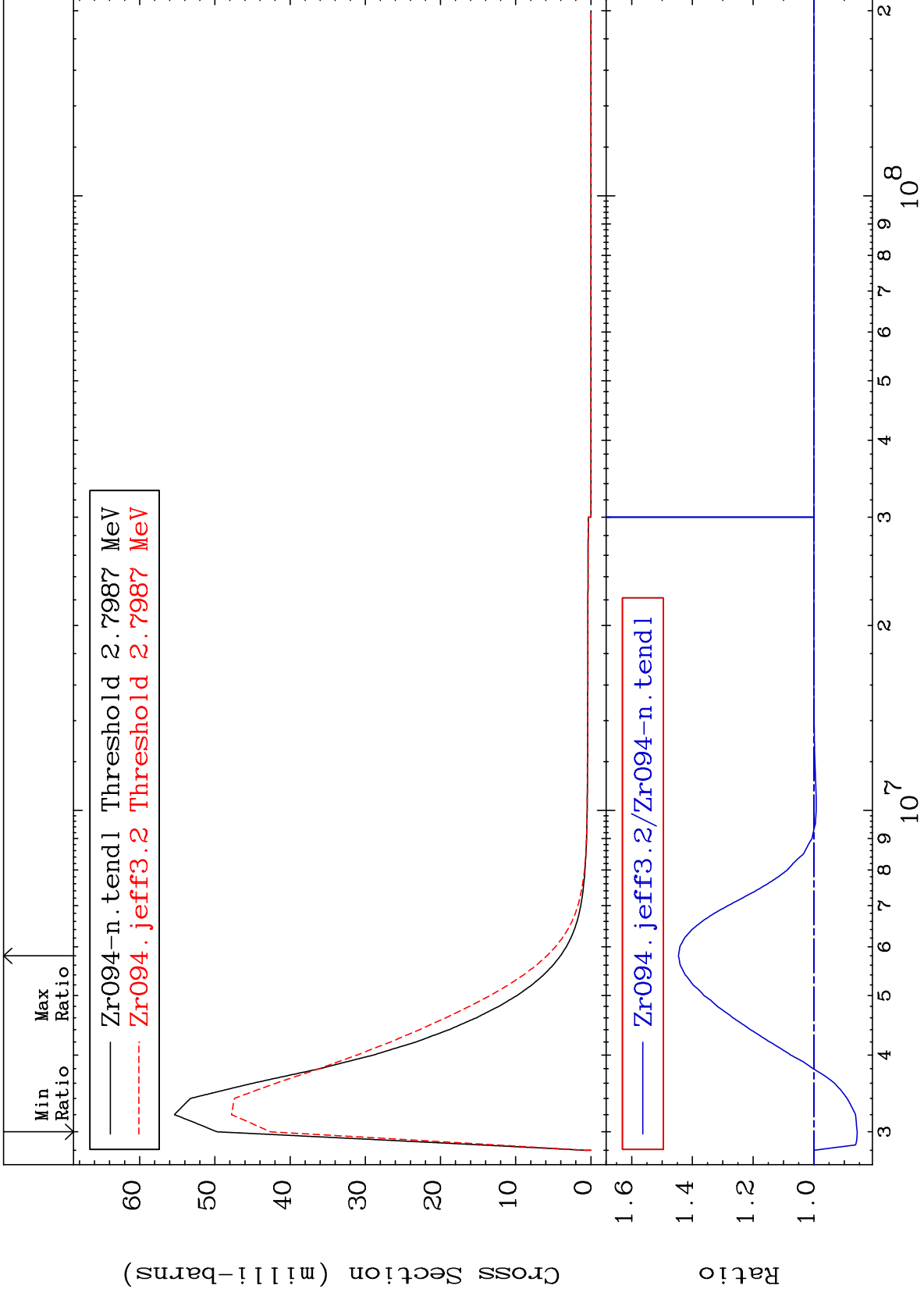
40-Zr-94
0.000 To 9999. %



MAT 4037

2.769 MeV (n,n') Level
Cross Section

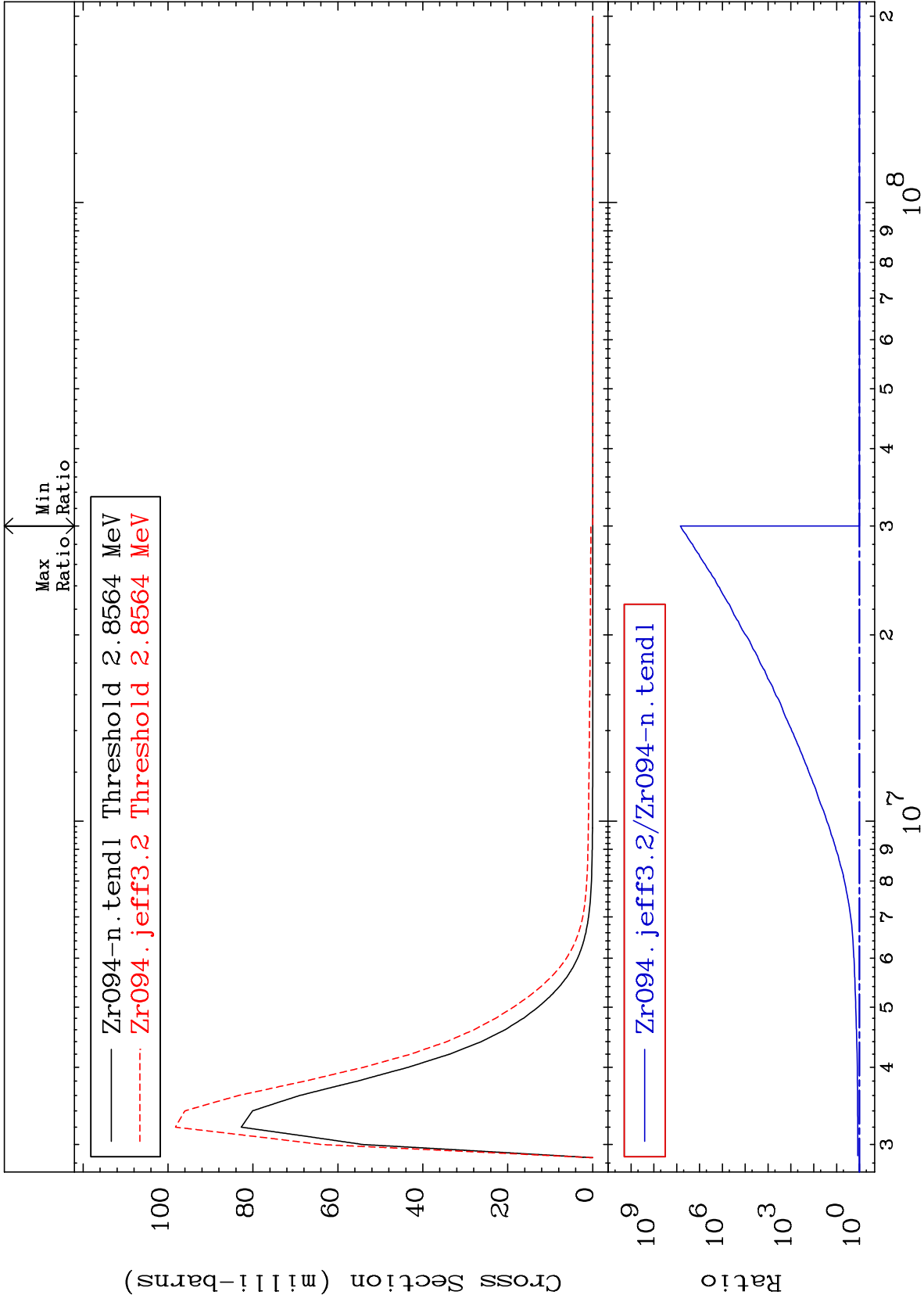
40-Zr-94
-14.26 To 44.61 %



MAT 4037

2.826 MeV (n,n') Level
Cross Section

40-Zr-94
To 9999. %



34

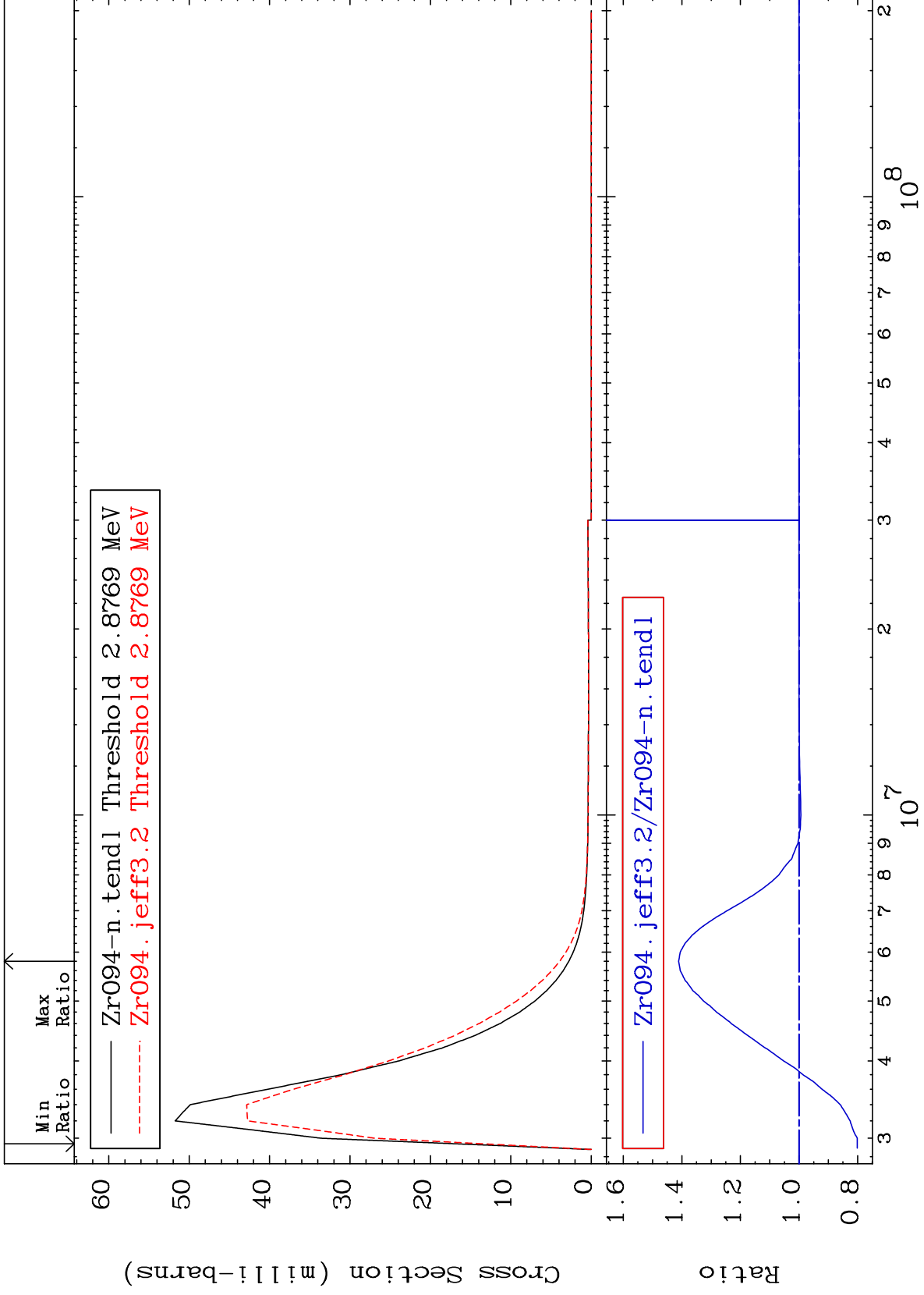
Incident Energy (eV)

40-Zr-94

MAT 4037

2.846 MeV (n,n') Level
Cross Section

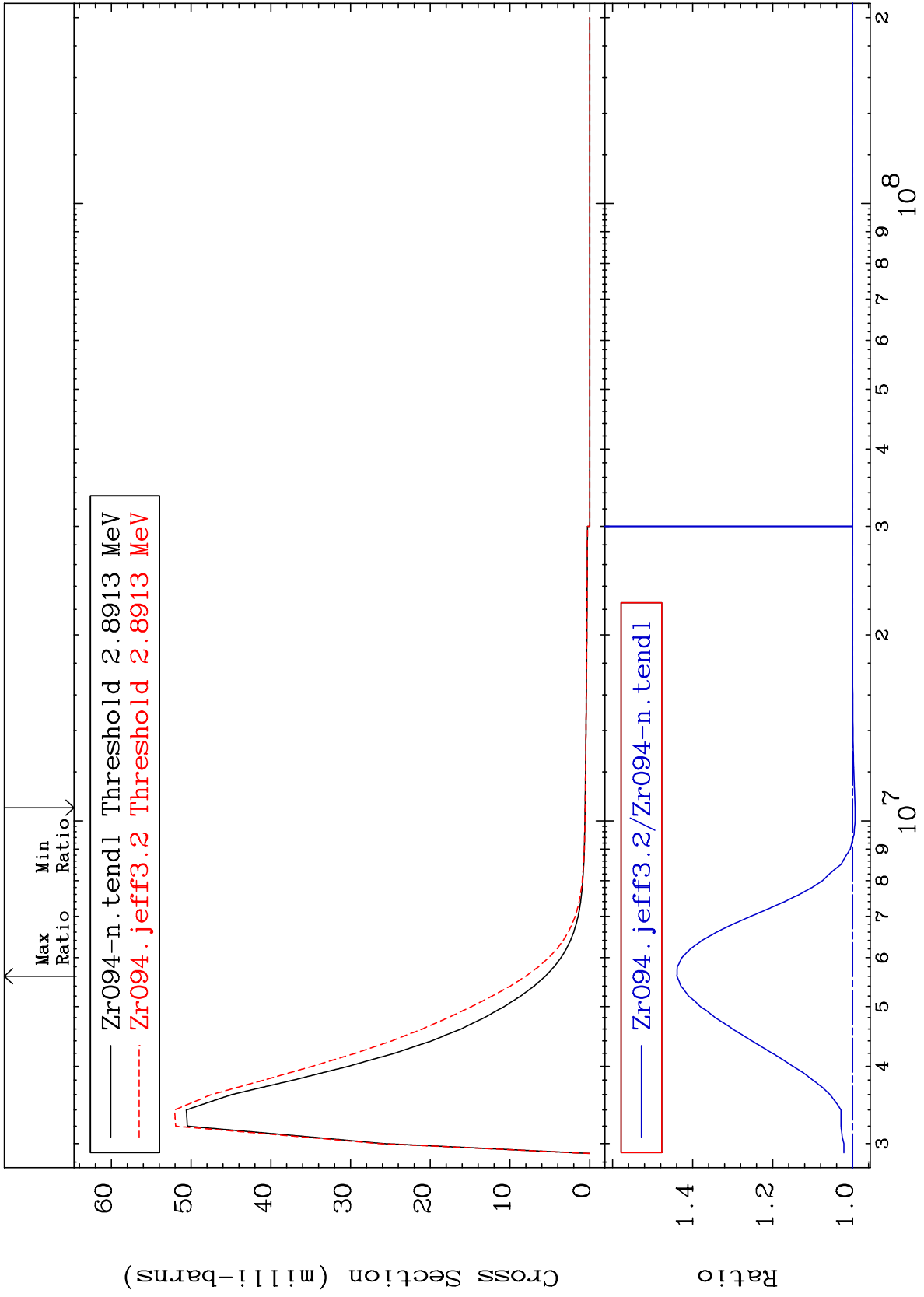
40-Zr-94
-19.87 To 41.10 %



MAT 4037

2.861 MeV (n,n') Level
Cross Section

40-Zr-94
-0.611 To 43.92 %



36

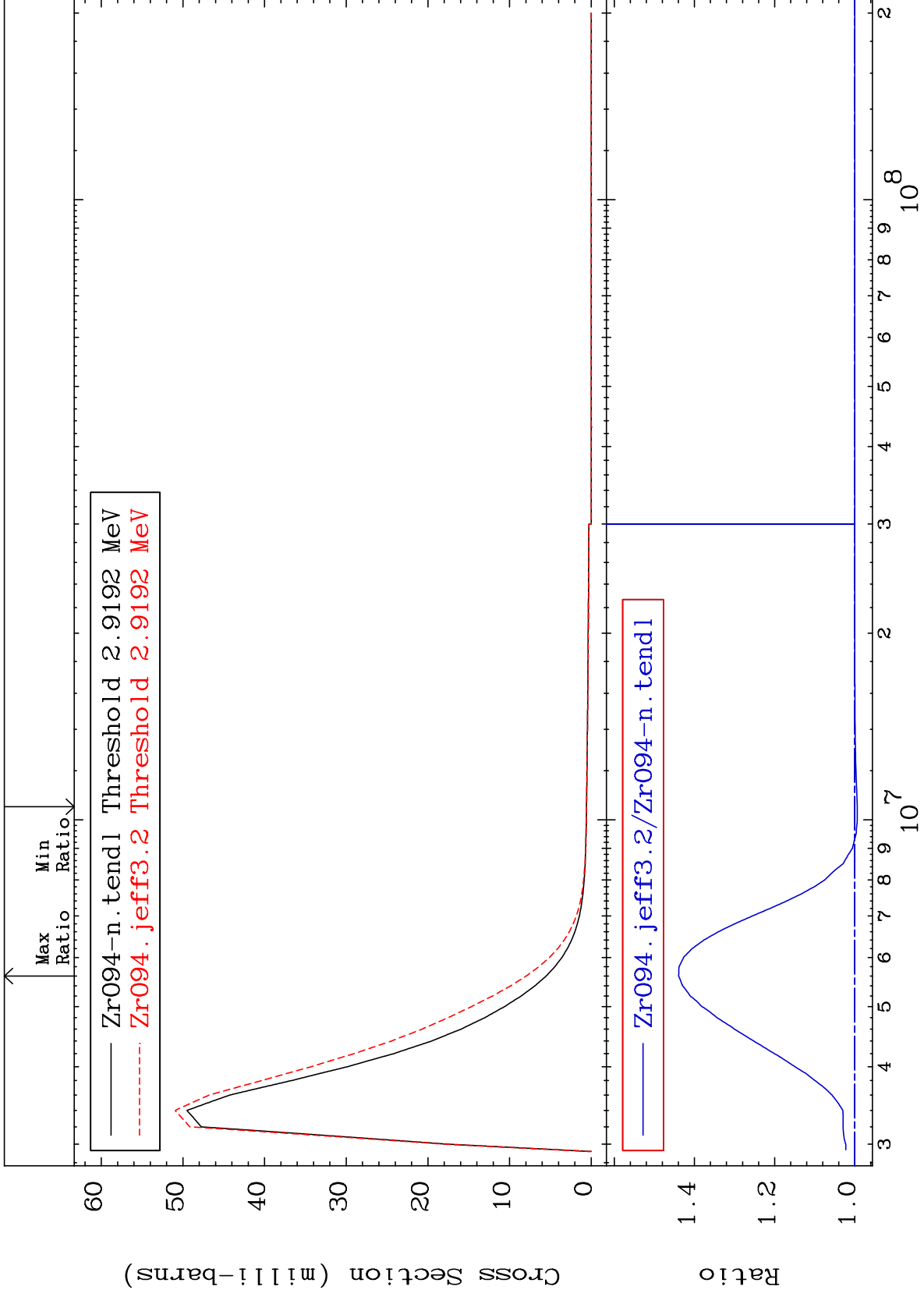
Incident Energy (eV)

40-Zr-94

MAT 4037

2.888 MeV (n,n') Level
Cross Section

40-Zr-94
-0.611 To 43.95 %

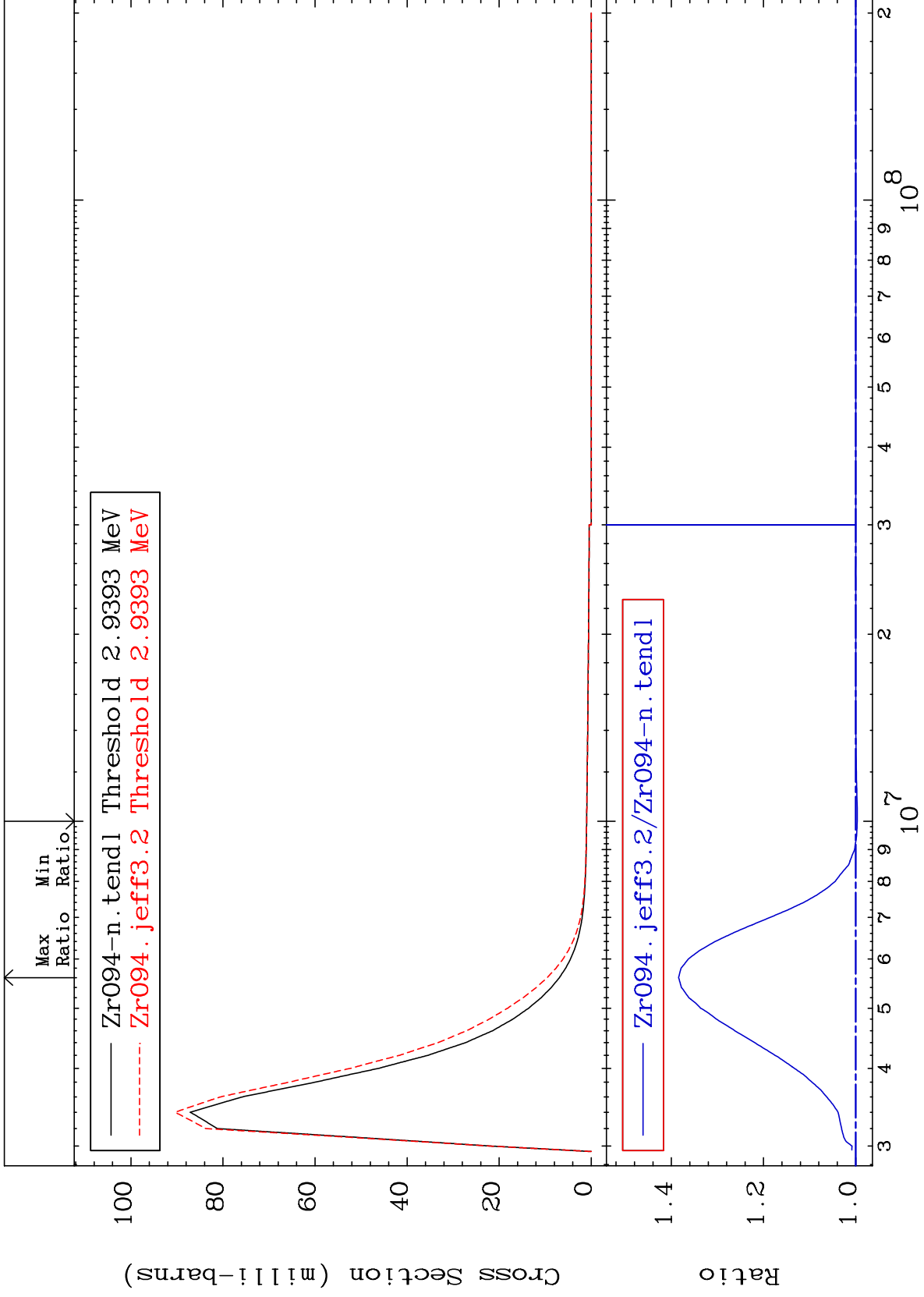


37

MAT 4037

2.908 MeV (n,n') Level
Cross Section

40-Zr-94
-0.339 To 38.42 %



38

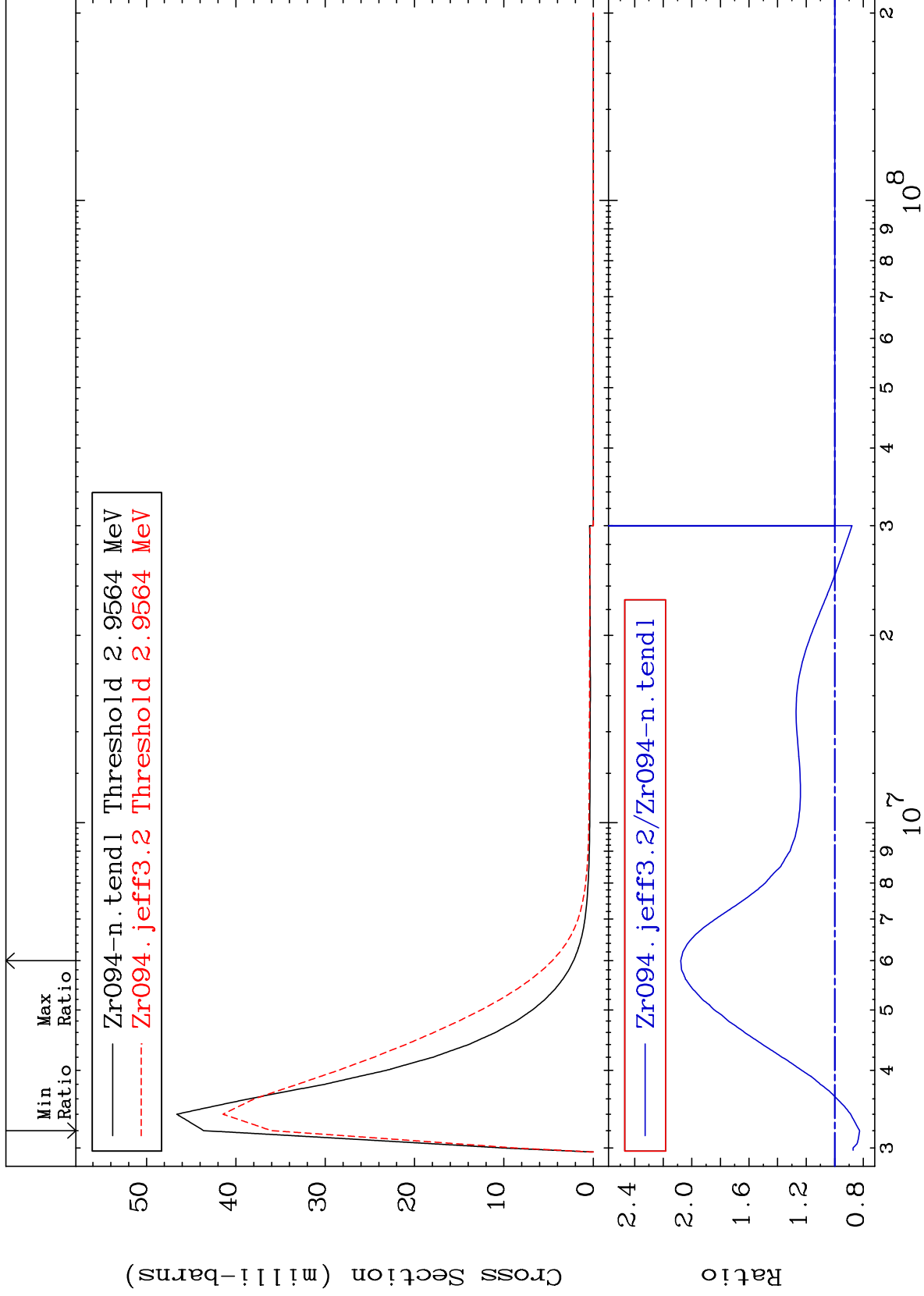
Incident Energy (eV)

40-Zr-94

MAT 4037

2.925 MeV (n,n') Level
Cross Section

40-Zr-94
-17.32 To 107.8 %



39

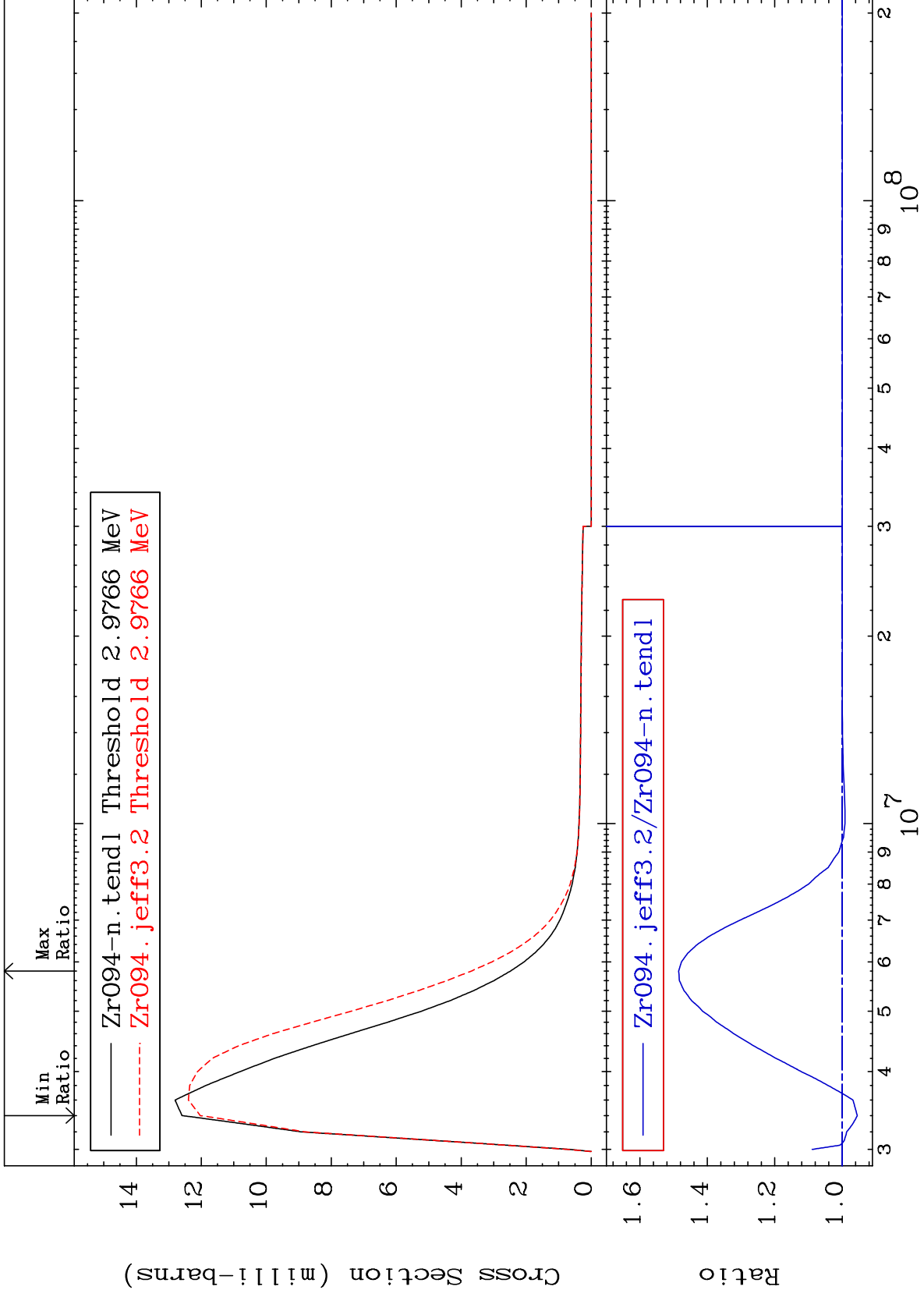
Incident Energy (eV)

40-Zr-94

MAT 4037

2.945 MeV (n,n') Level
Cross Section

40-Zr-94
-4.472 To 48.52 %



40

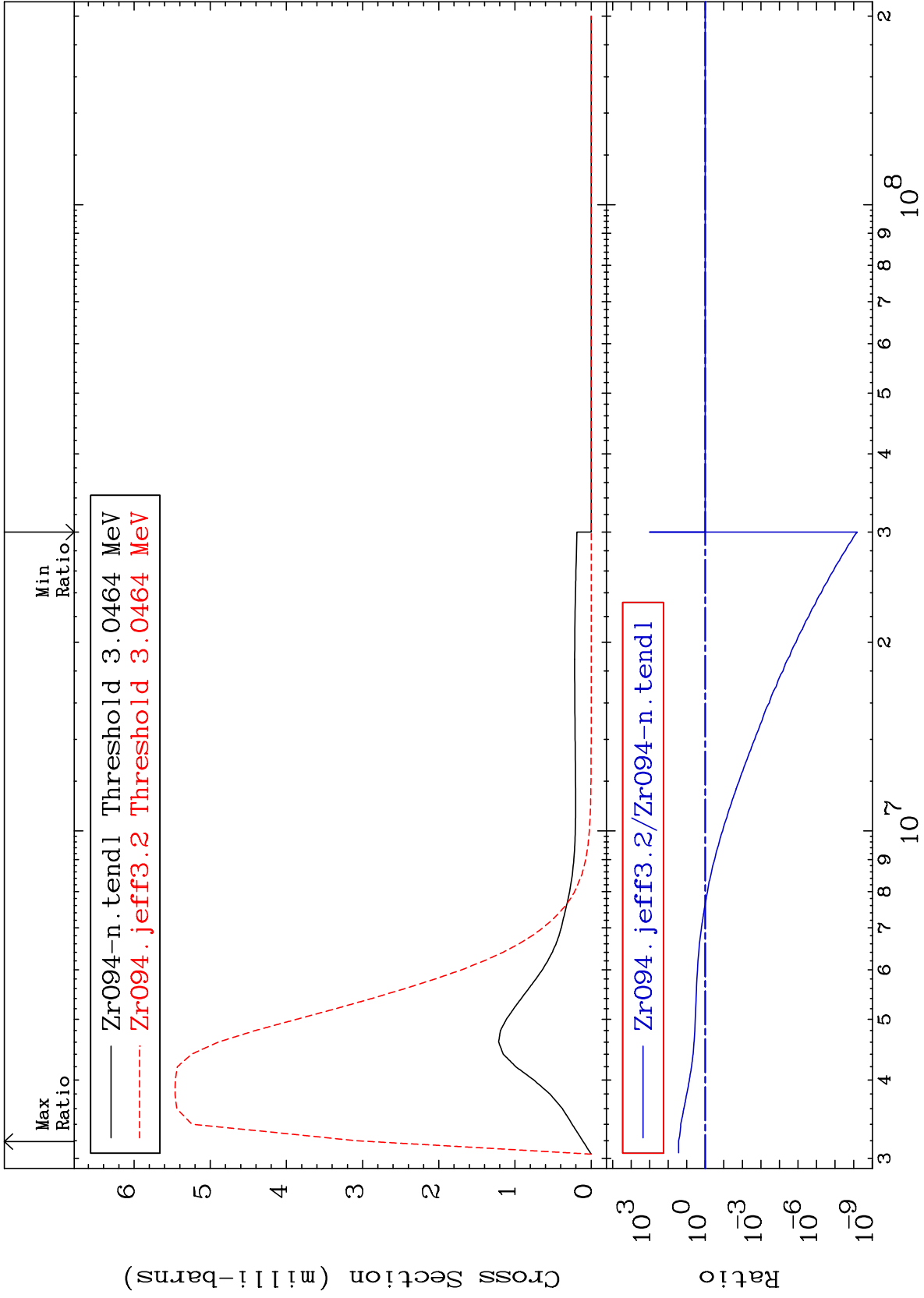
Incident Energy (eV)

40-Zr-94

MAT 4037

3.014 MeV (n, n') Level
Cross Section

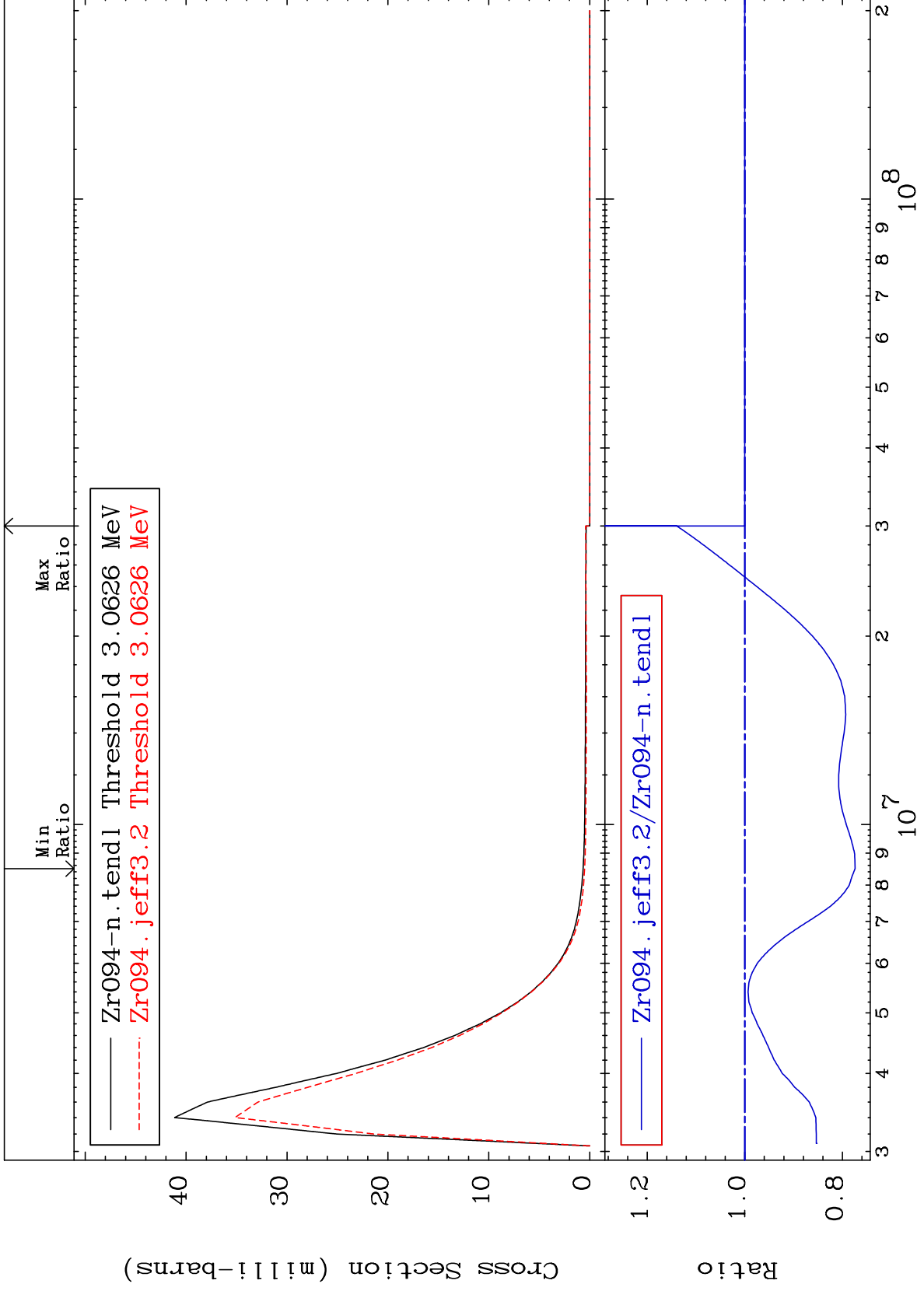
40-Zr-94
-100.0 To 2634. %



MAT 4037

3.030 MeV (n,n') Level
Cross Section

40-Zr-94
-22.60 To 13.91 %



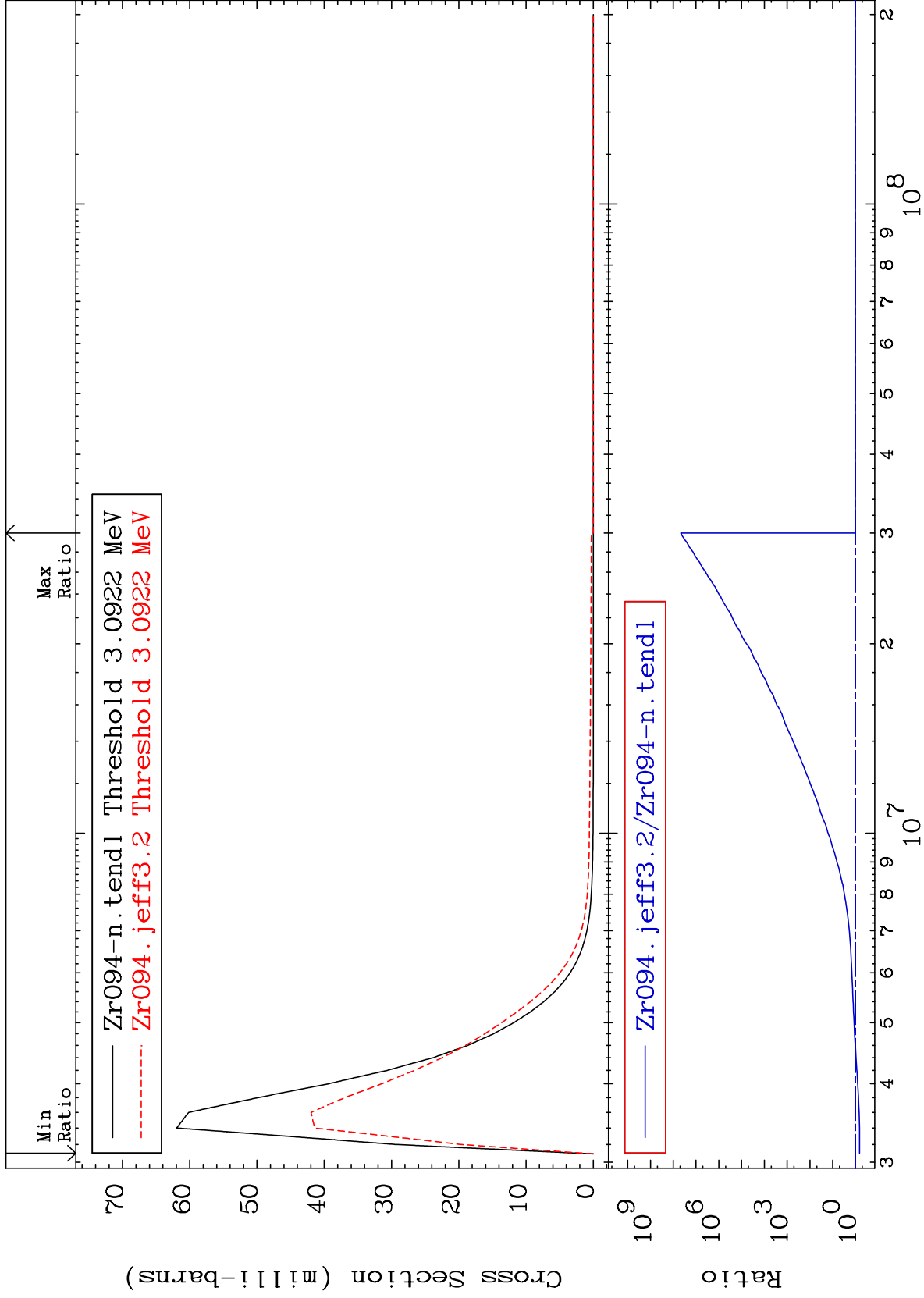
MAT 4037

3.059 MeV (n,n') Level

40-Zr-94

-33.77 To 9999. %

Cross Section

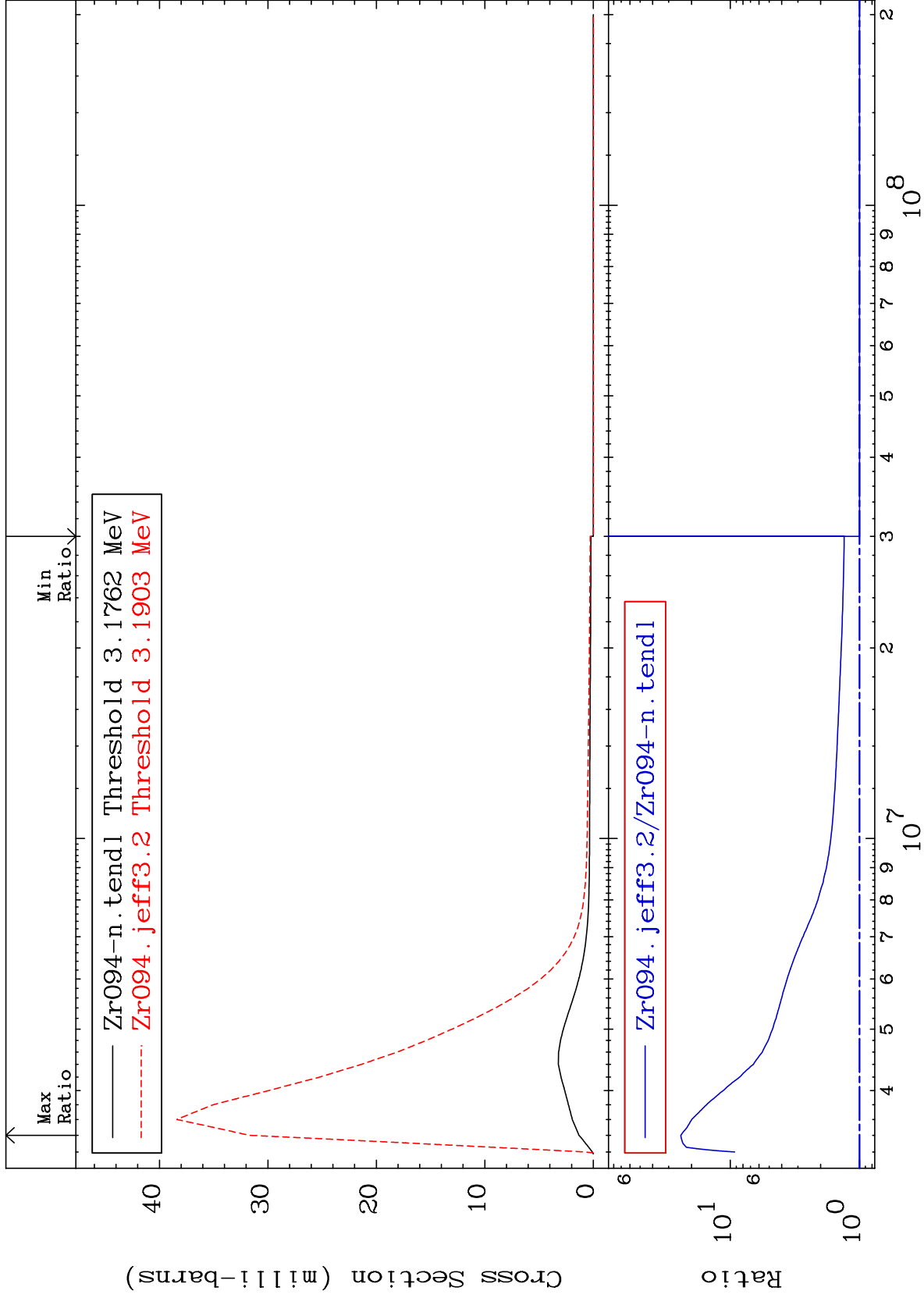


MAT 4037

3.142 MeV (n,n') Level

40-Zr-94

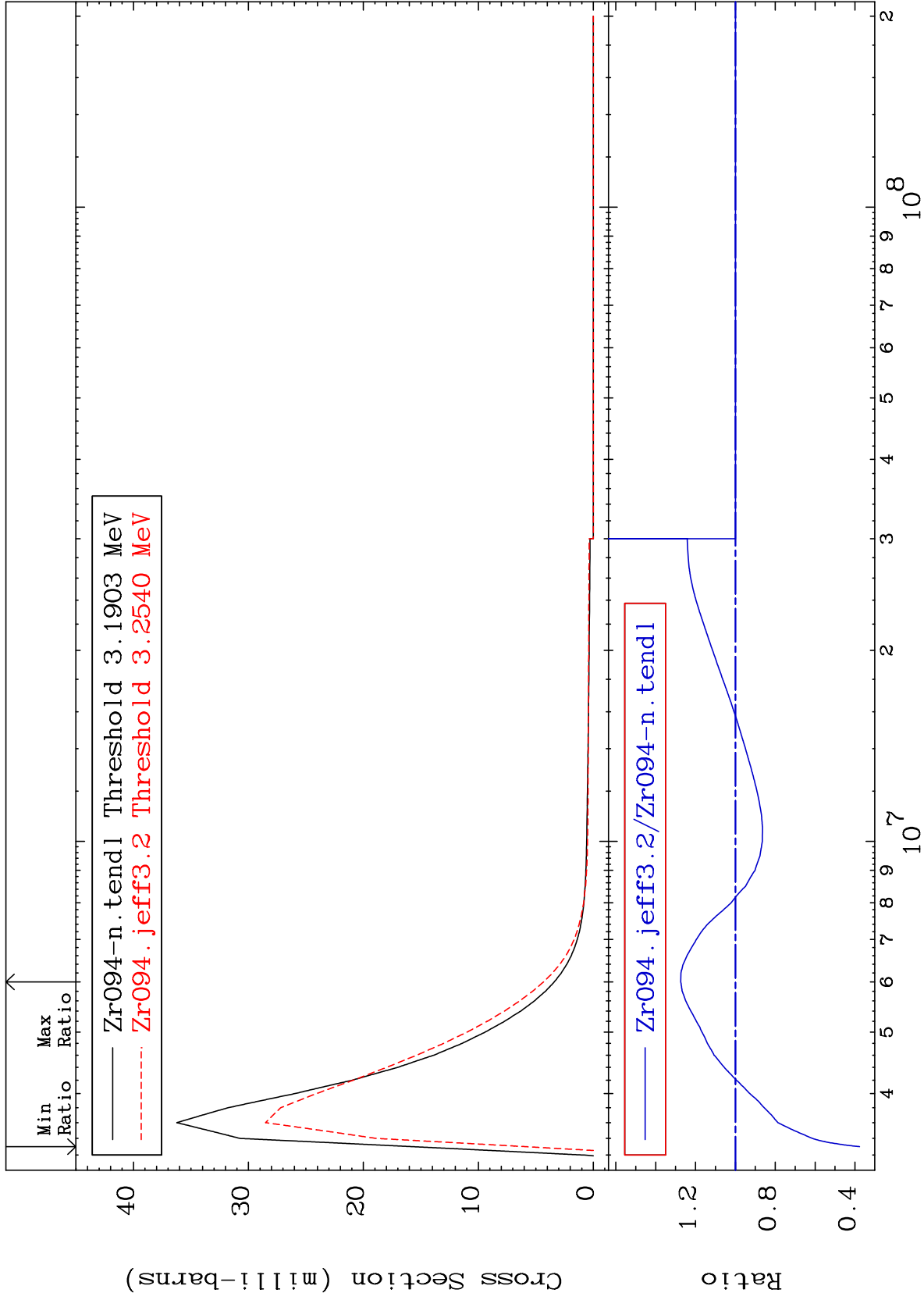
Cross Section To 2321. %



MAT 4037

3.156 MeV (n,n') Level
Cross Section

40-Zr-94
-62.27 To 27.42 %



45

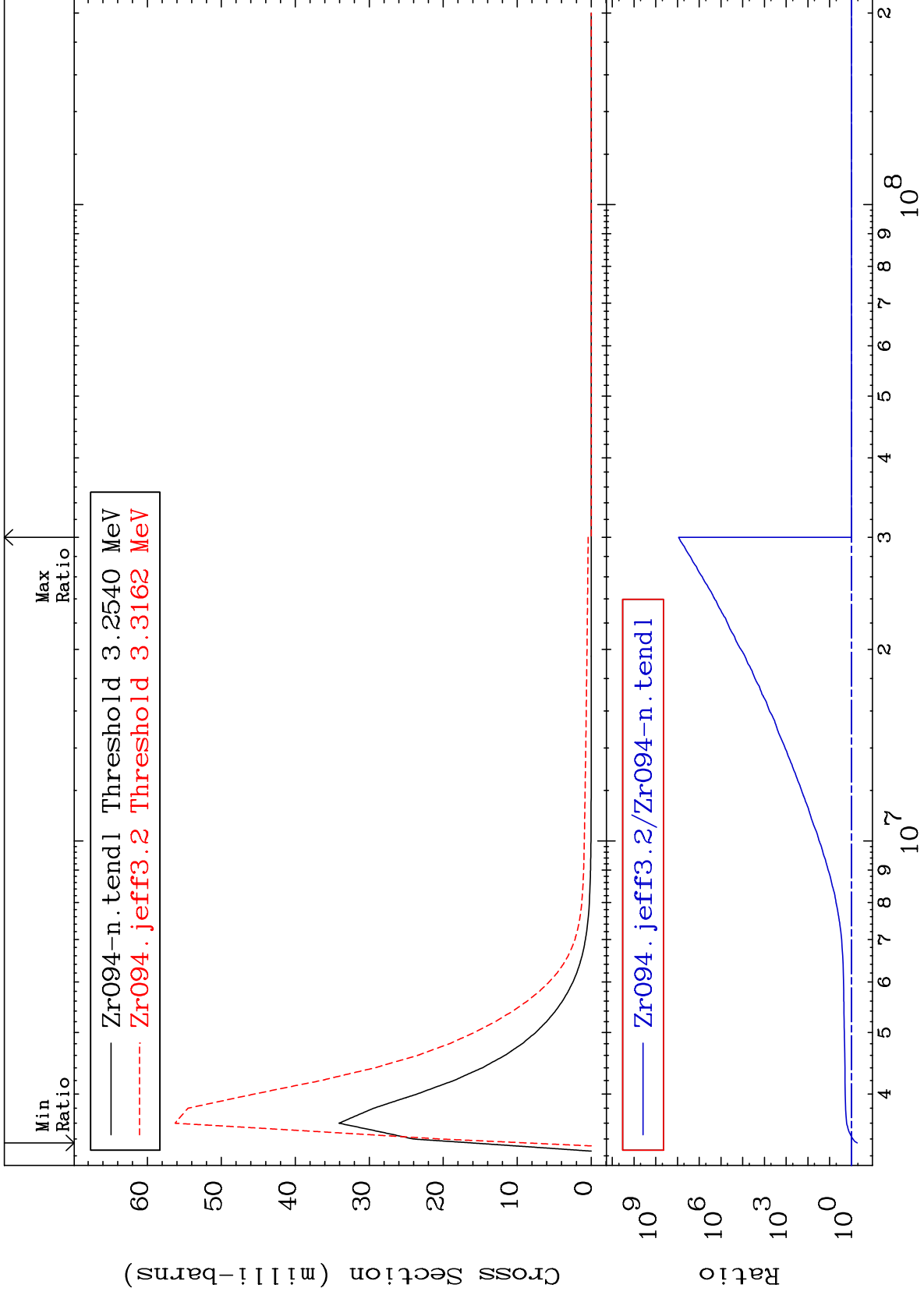
Incident Energy (eV)

40-Zr-94

MAT 4037

3.219 MeV (n,n') Level
Cross Section

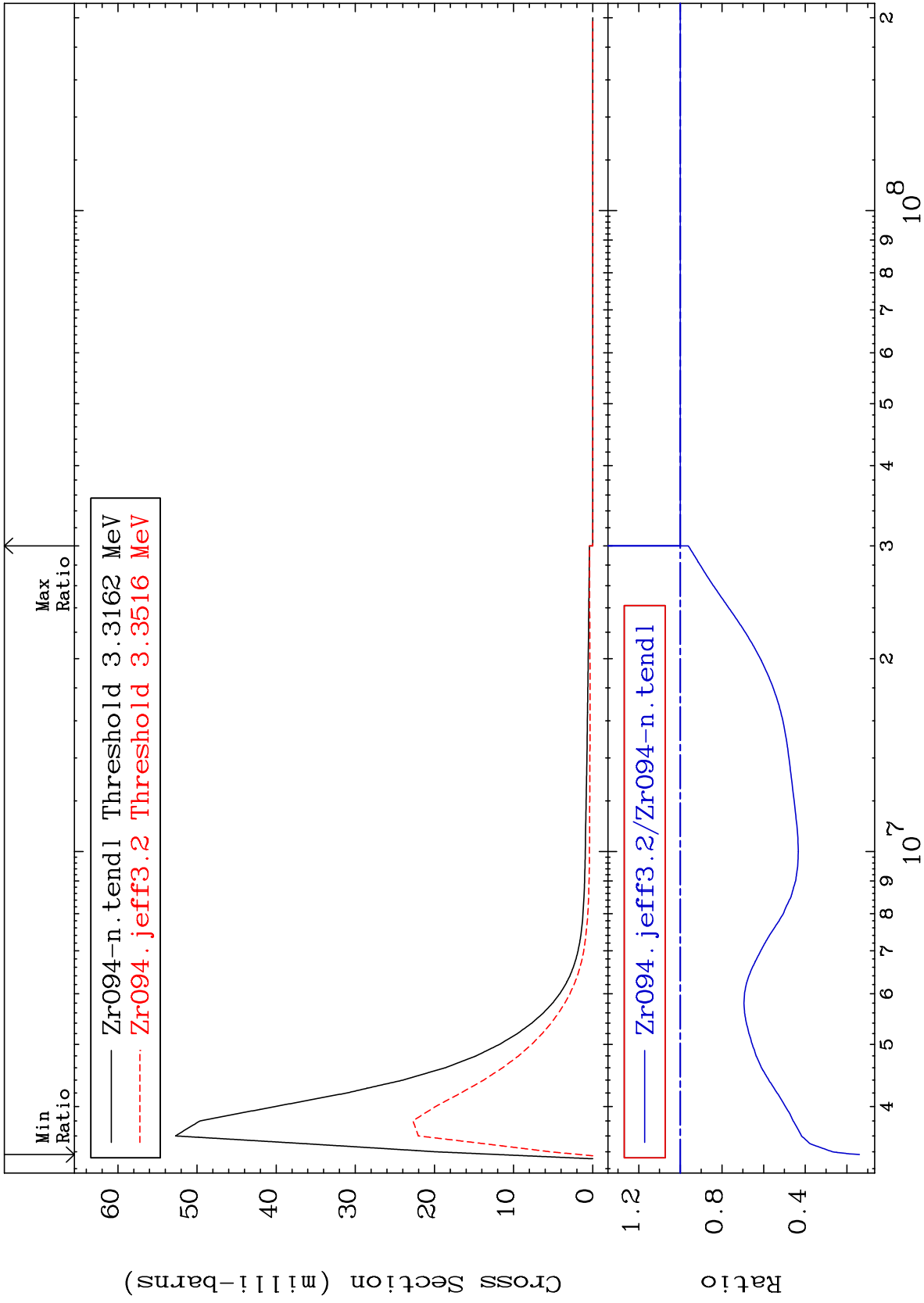
40-Zr-94
-46.43 To 9999. %



MAT 4037

3.281 MeV (n,n') Level
Cross Section

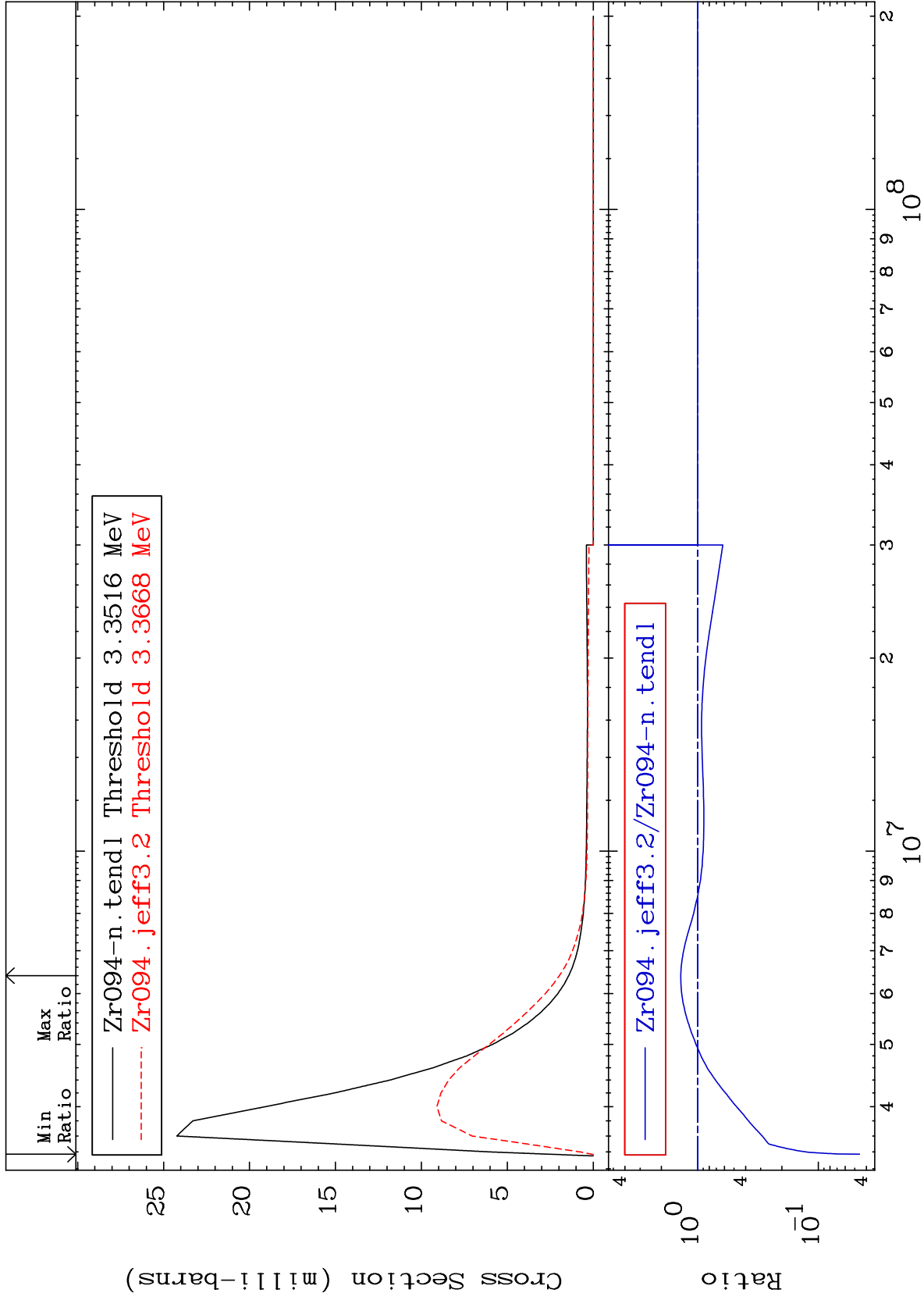
40-Zr-94
-86.02 To 0.000 %



MAT 4037

3.316 MeV (n,n') Level
Cross Section

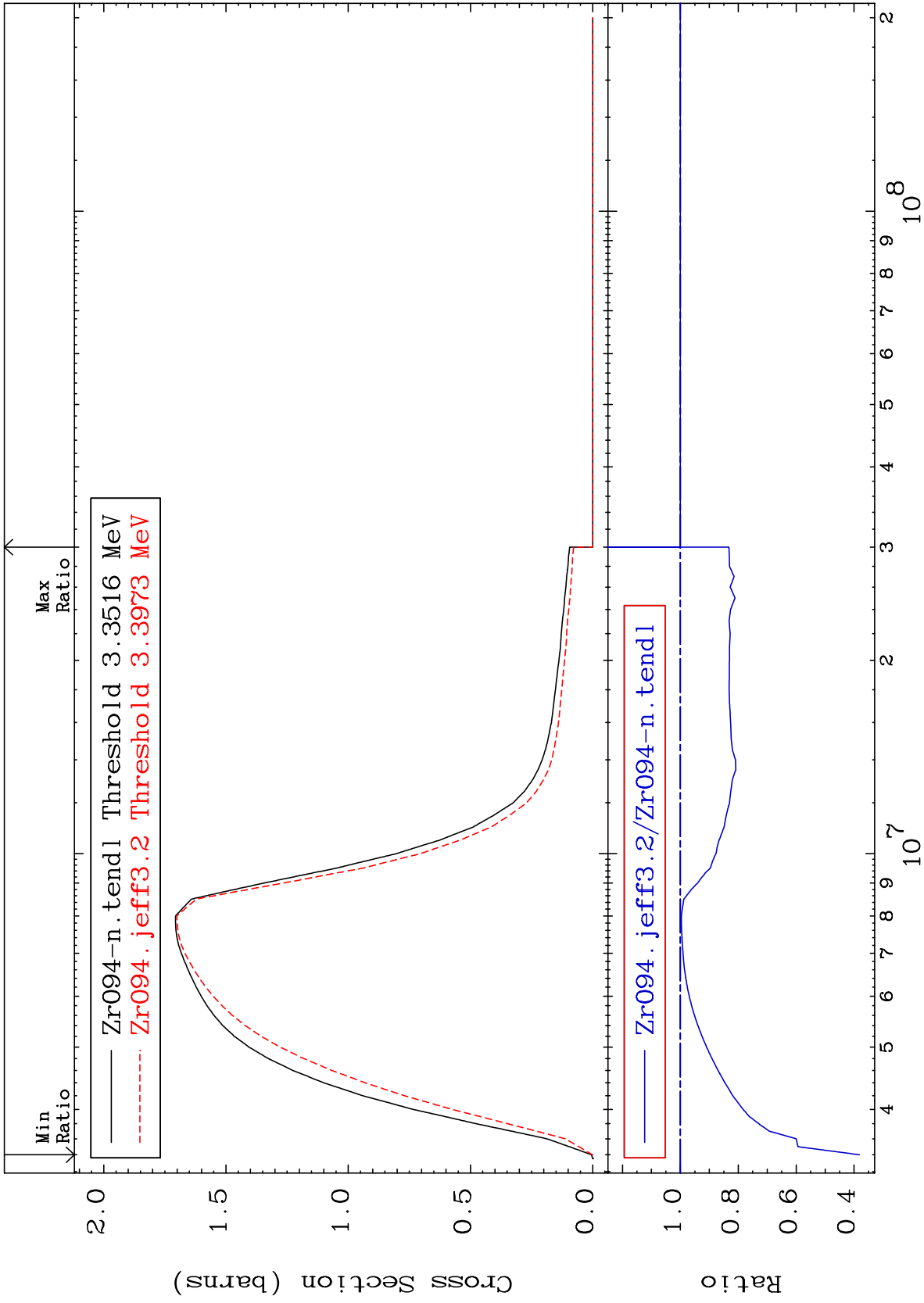
40-Zr-94
-95.44 To 37.92 %



MAT 4037

(n, n') Continuum
Cross Section

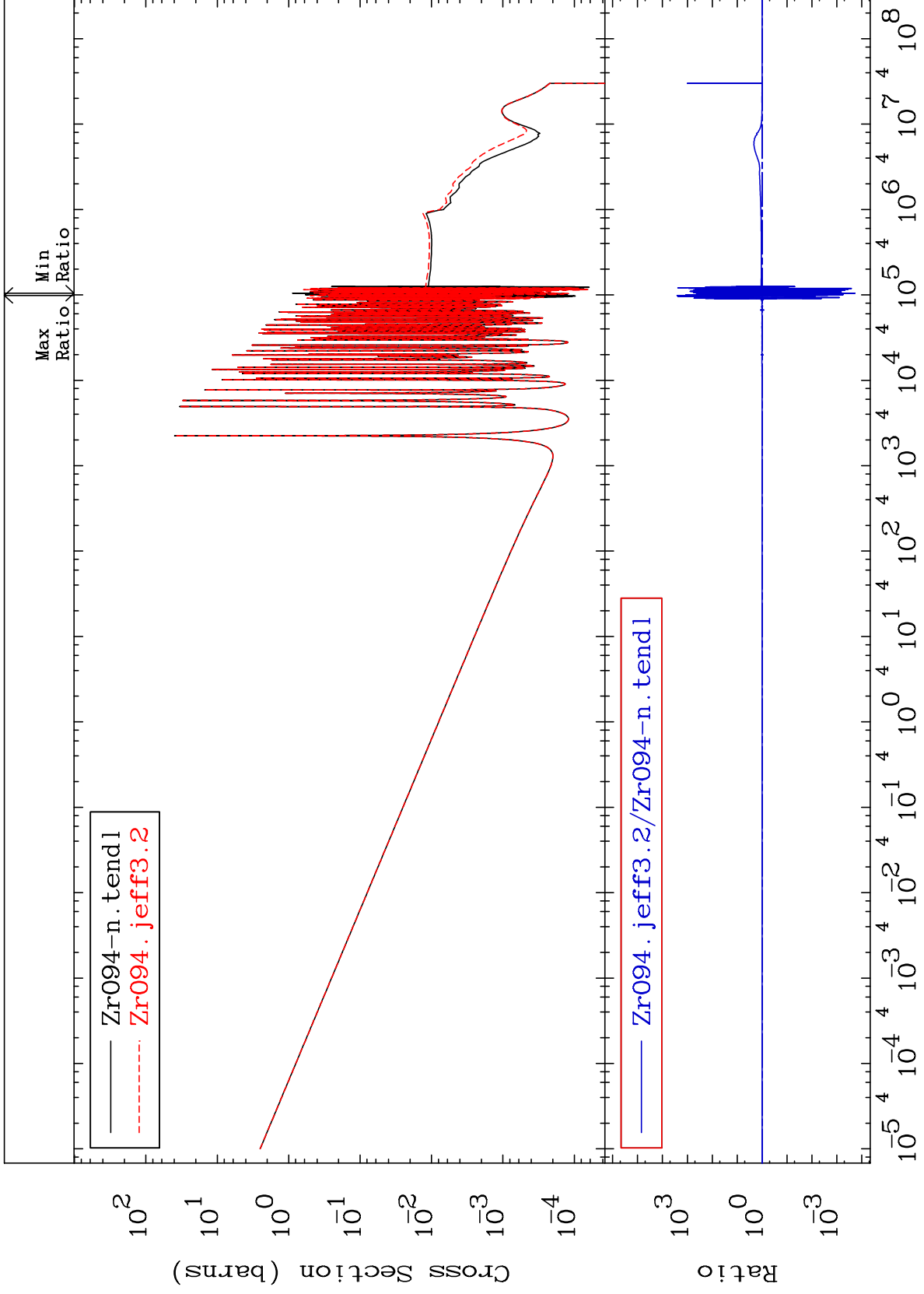
40-Zr-94
-61.85 To 0.000 %



MAT 4037

(n, γ)
Cross Section

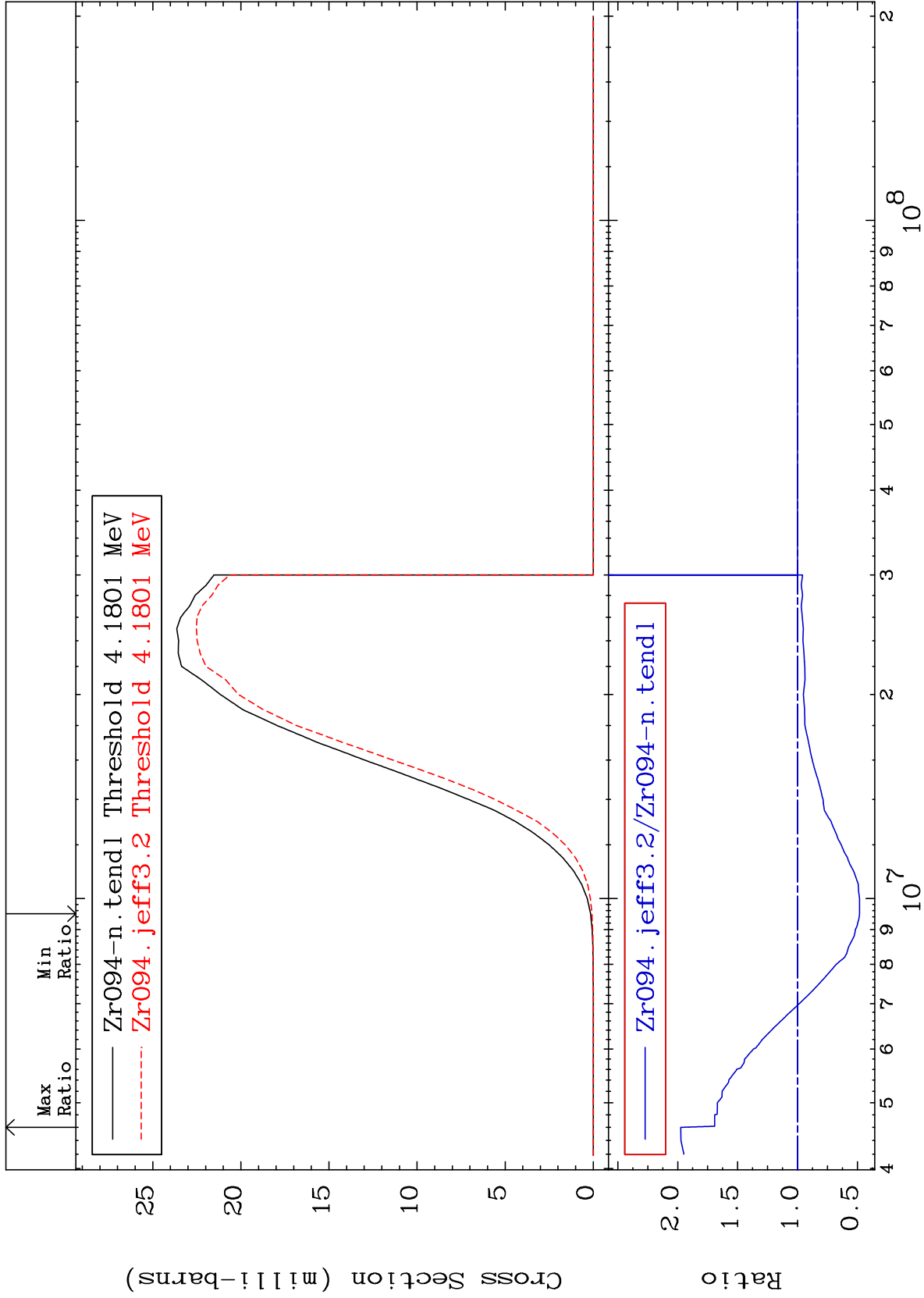
40-Zr-94
-99.98 To 9999. %



MAT 4037

(n,p)
Cross Section

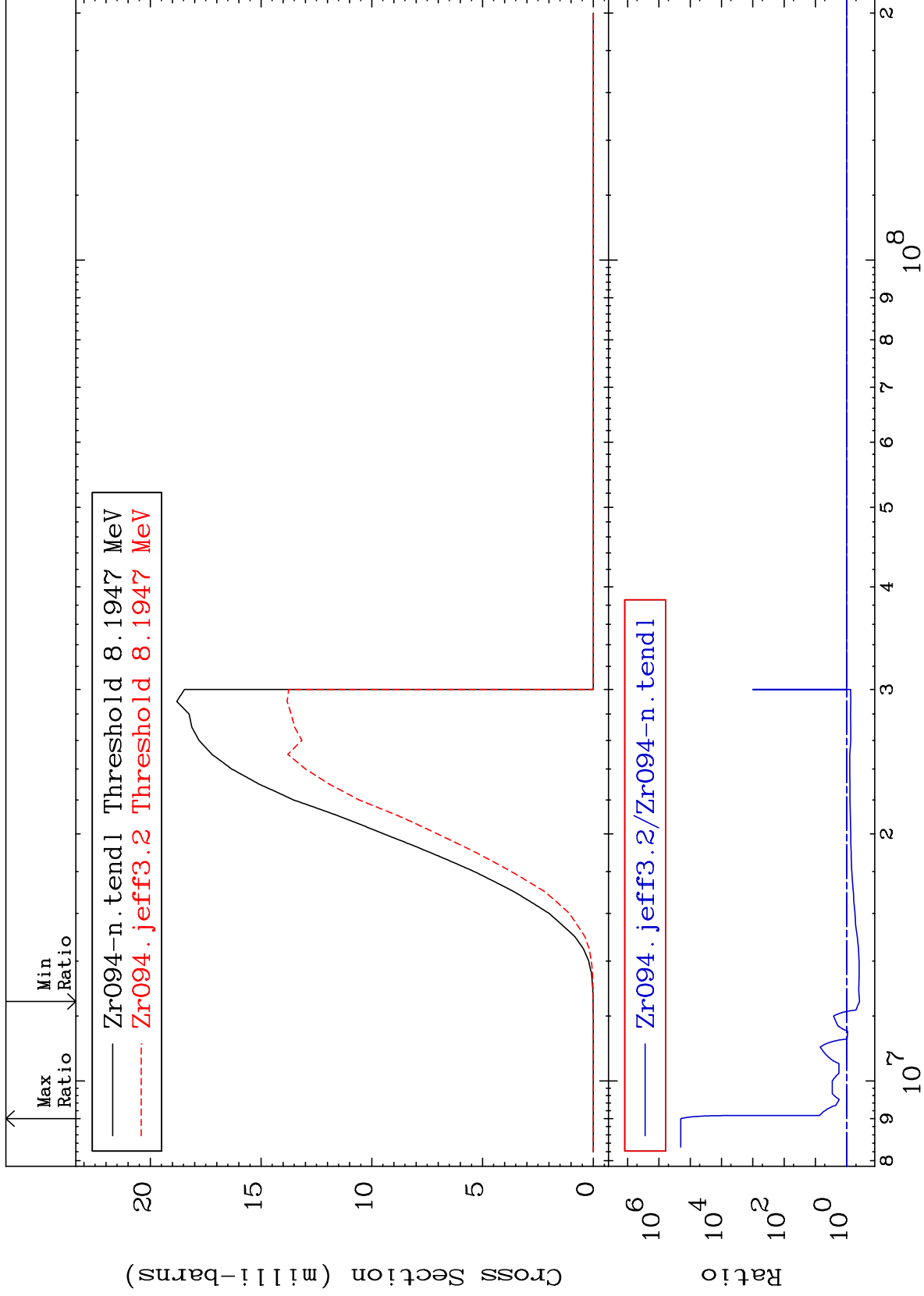
40-Zr-94
-51.68 To 97.44 %



MAT 4037

(n, d)
Cross Section

40-Zr-94
-61.18 To 9999. %



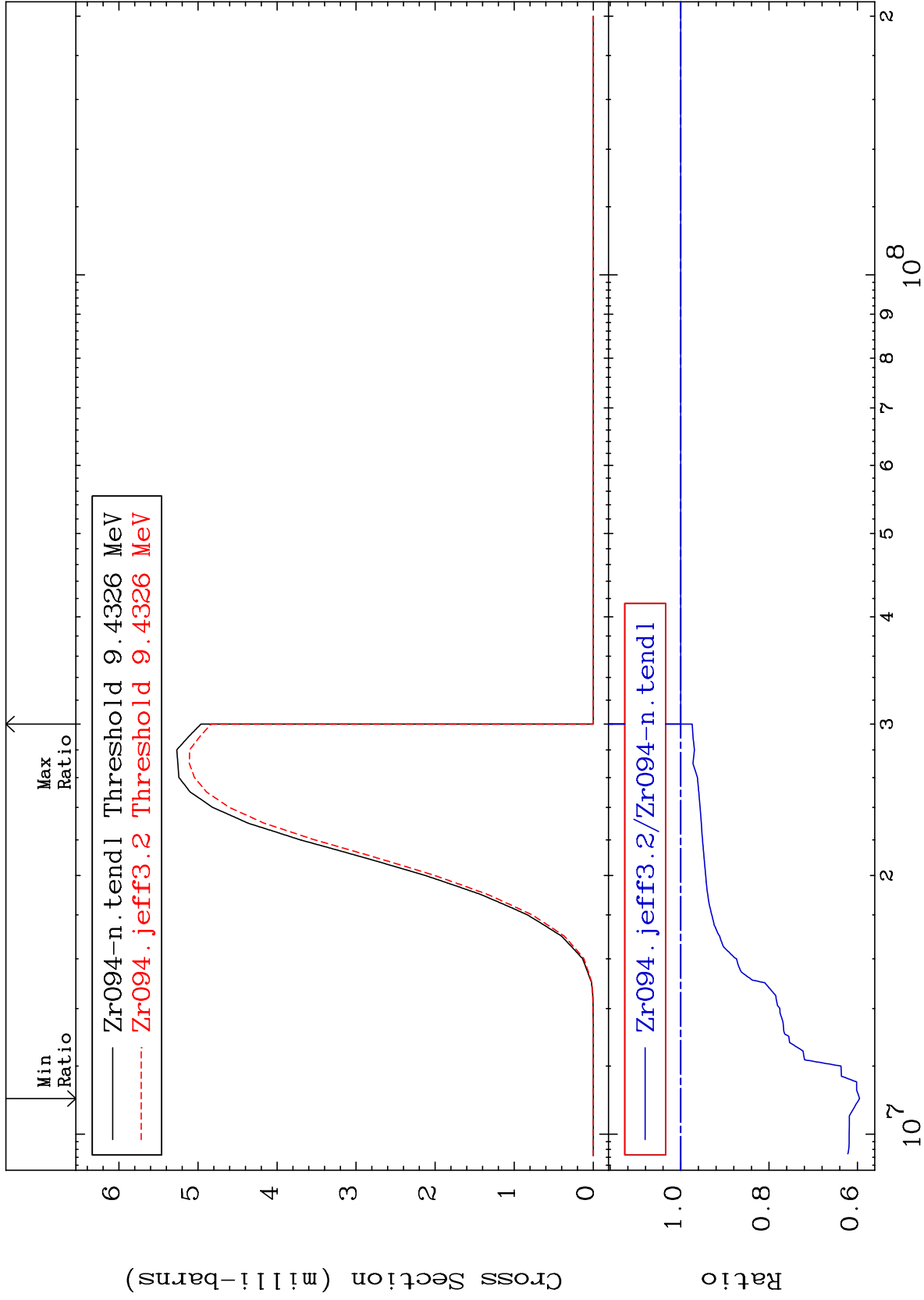
MAT 4037

(n, t)

40-Zr-94

Cross Section

-40.49 To 0.000 %

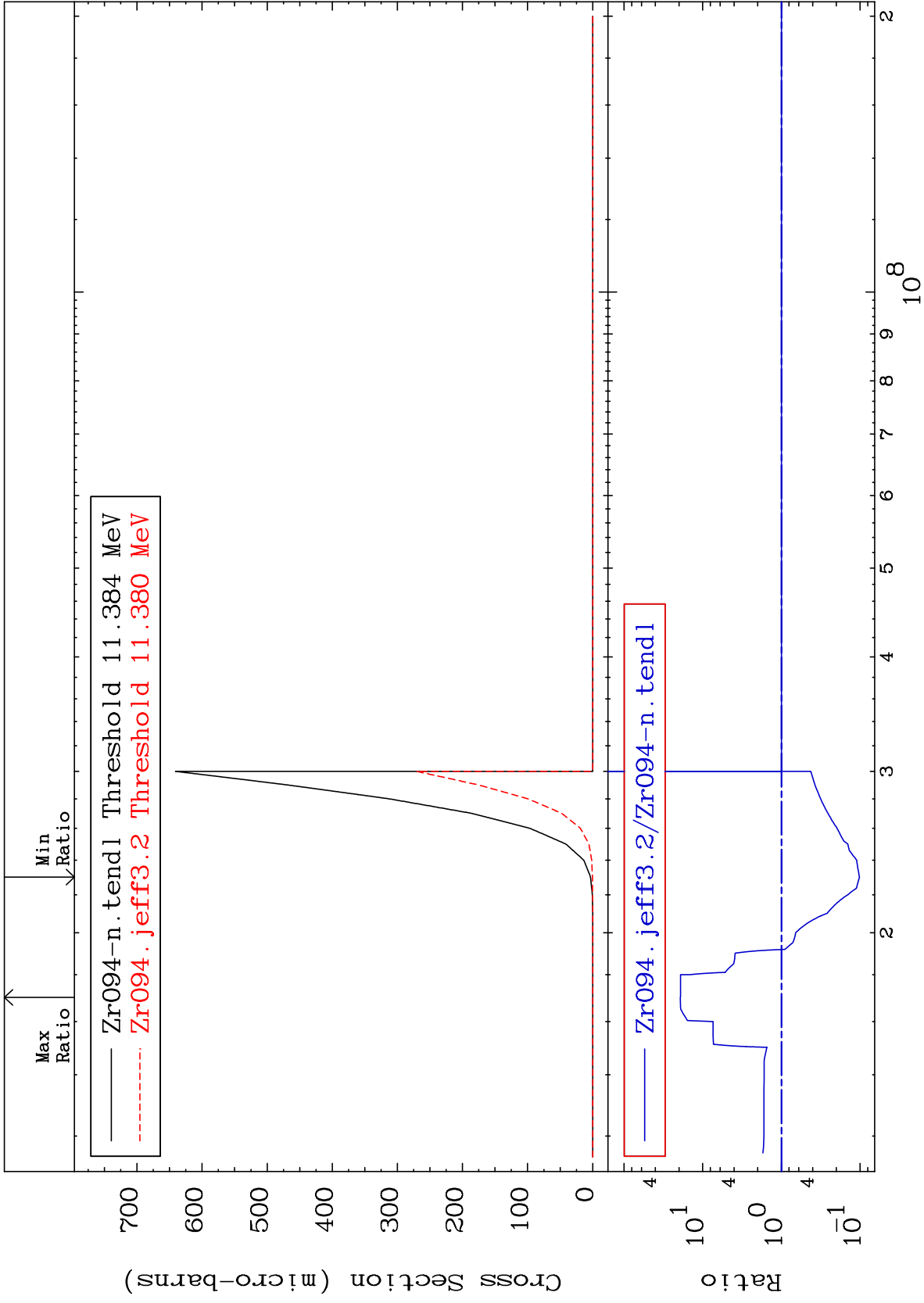


53

40-Zr-94

Cross Section

-89.82 To 1823. %



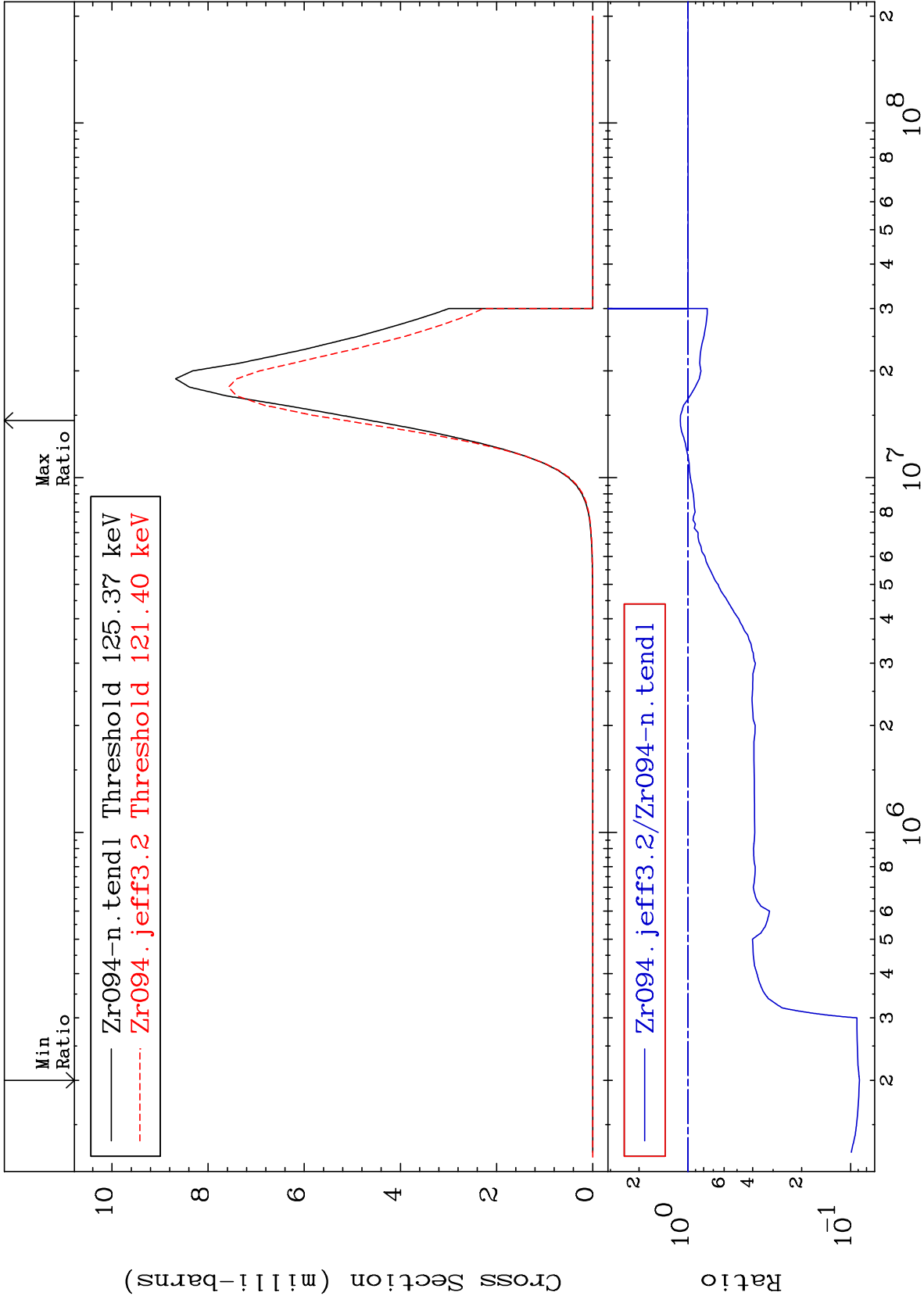
MAT 4037

(n, α)

40-Zr-94

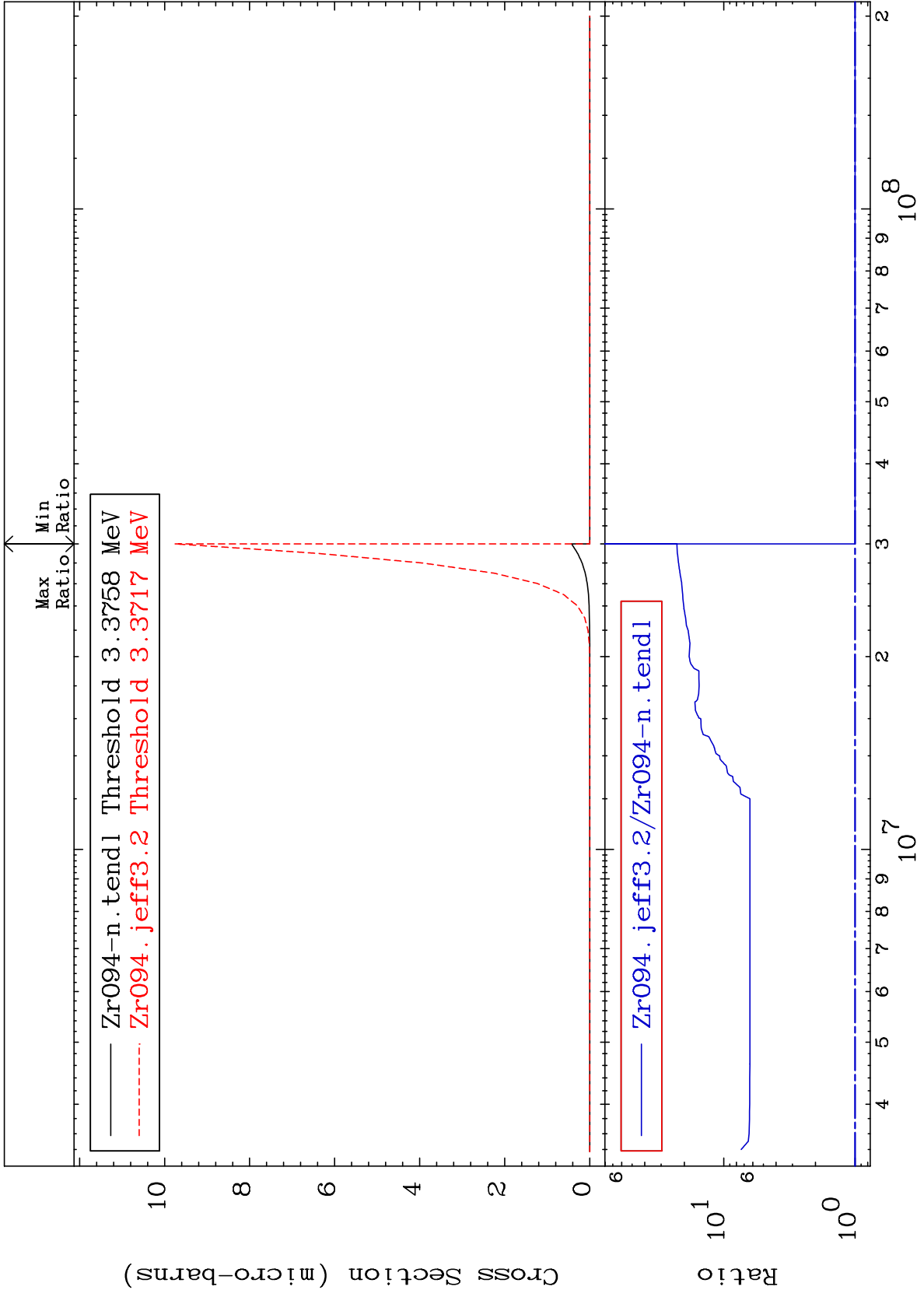
Cross Section

-91.17 To 11.41 %



MAT 4037

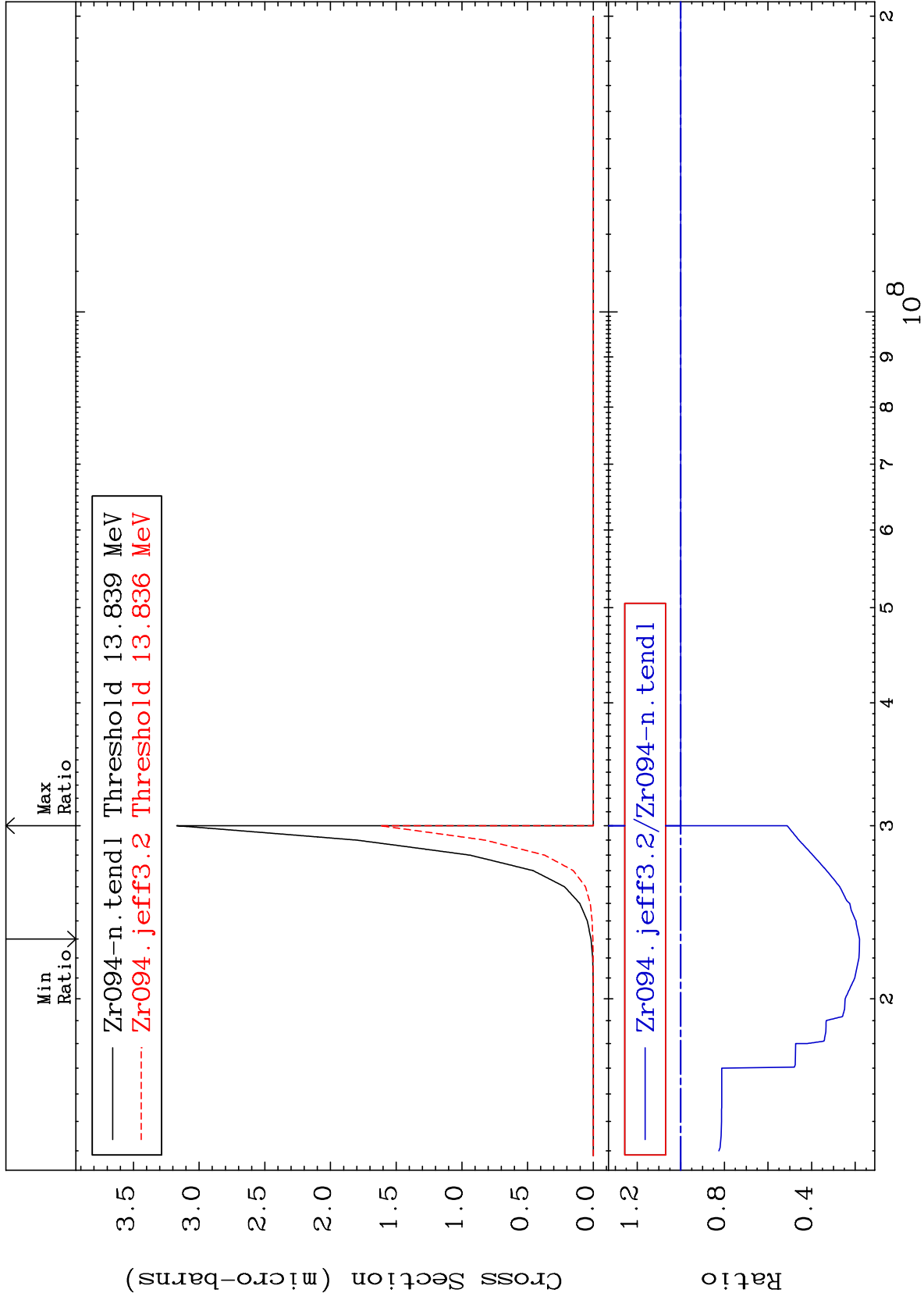
(n,2α)
Cross Section
0.000 To 2174. %
40-Zr-94



MAT 4037

(n,2p)
Cross Section

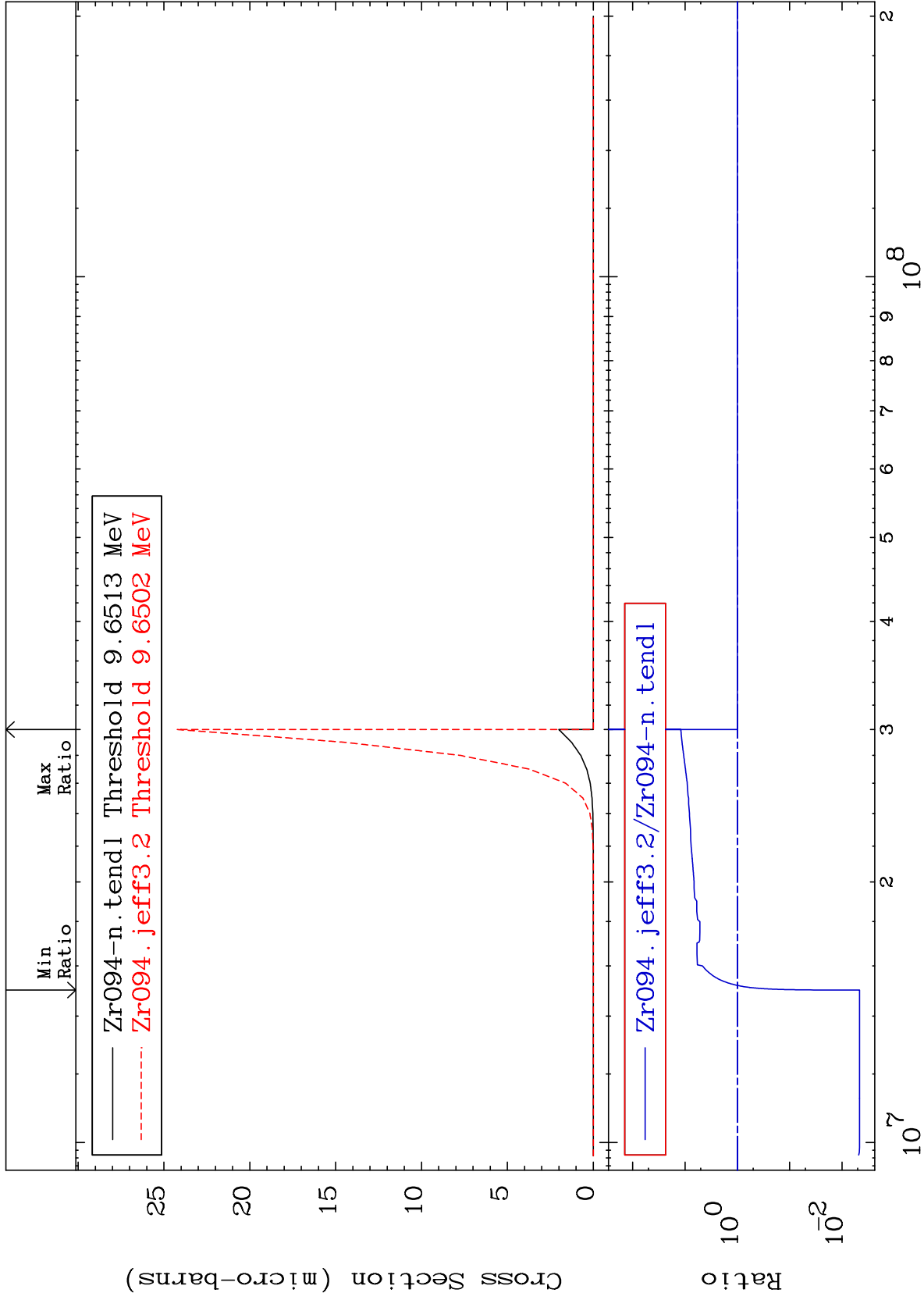
40-Zr-94
-81.96 To 0.000 %



MAT 4037

(n, p) α
Cross Section

40-Zr-94
-99.54 To 1107. %



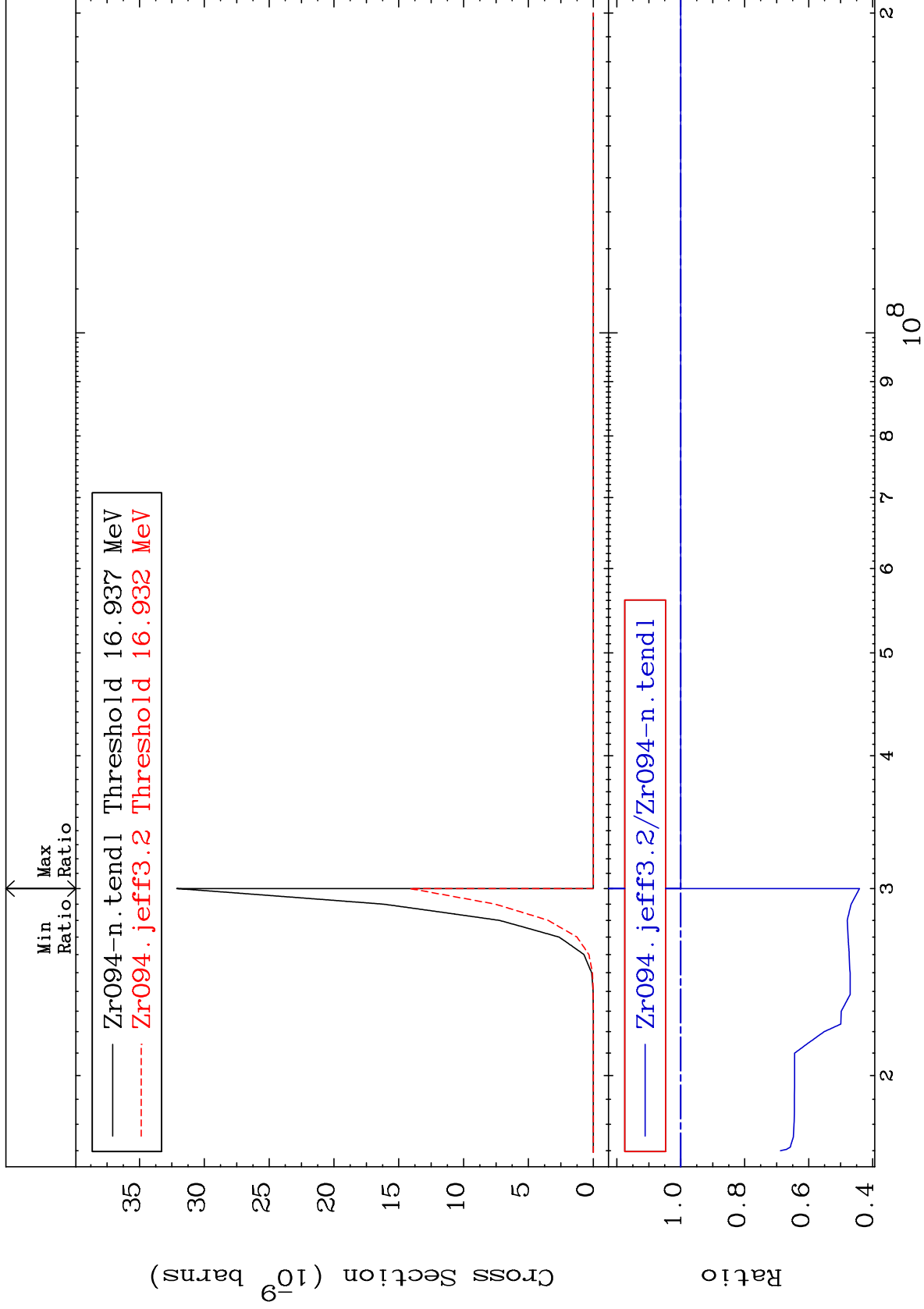
58

40-Zr-94

MAT 4037

(n, p) d
Cross Section

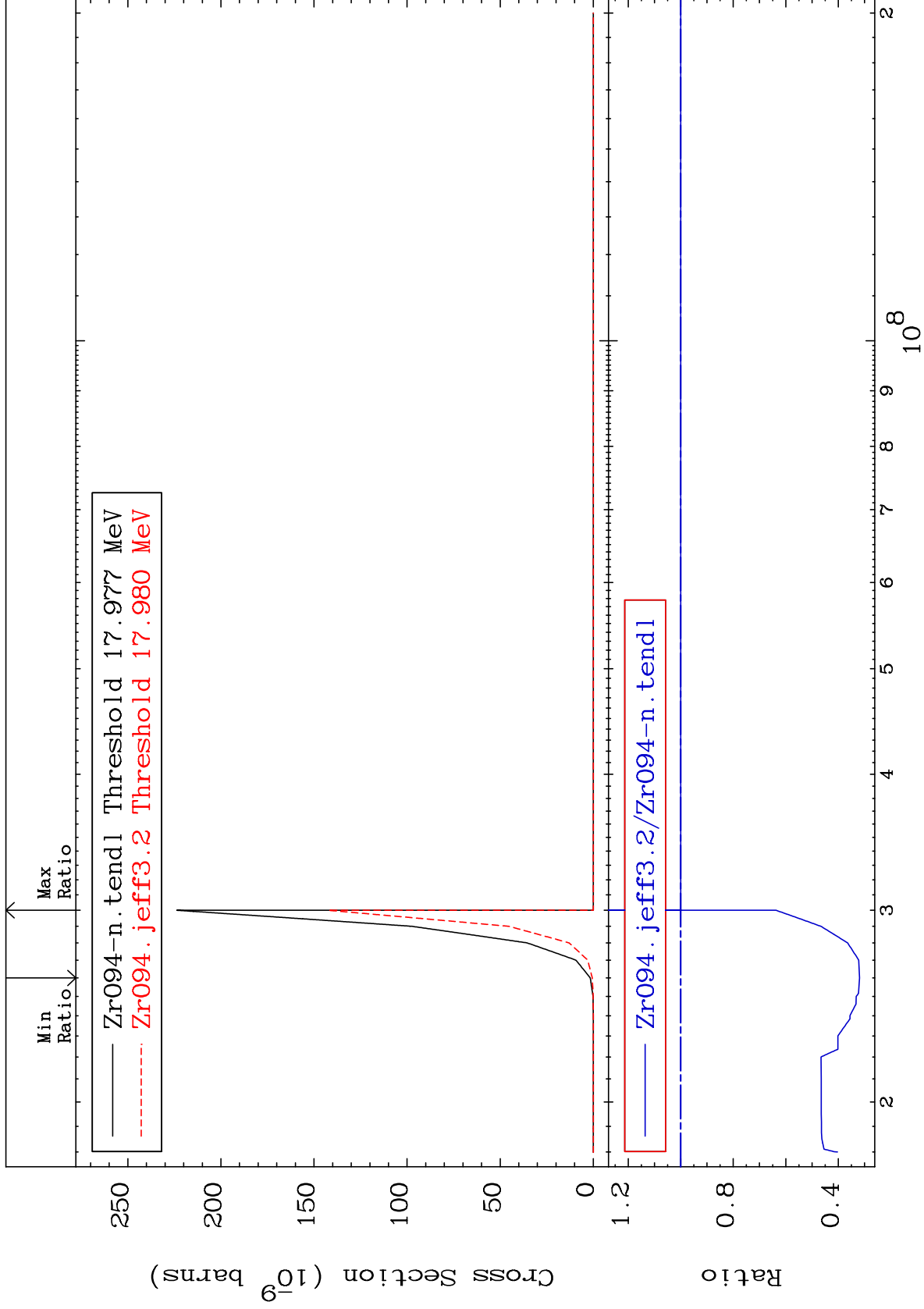
40-Zr-94
-55.91 To 0.000 %



MAT 4037

(n,p) t
Cross Section

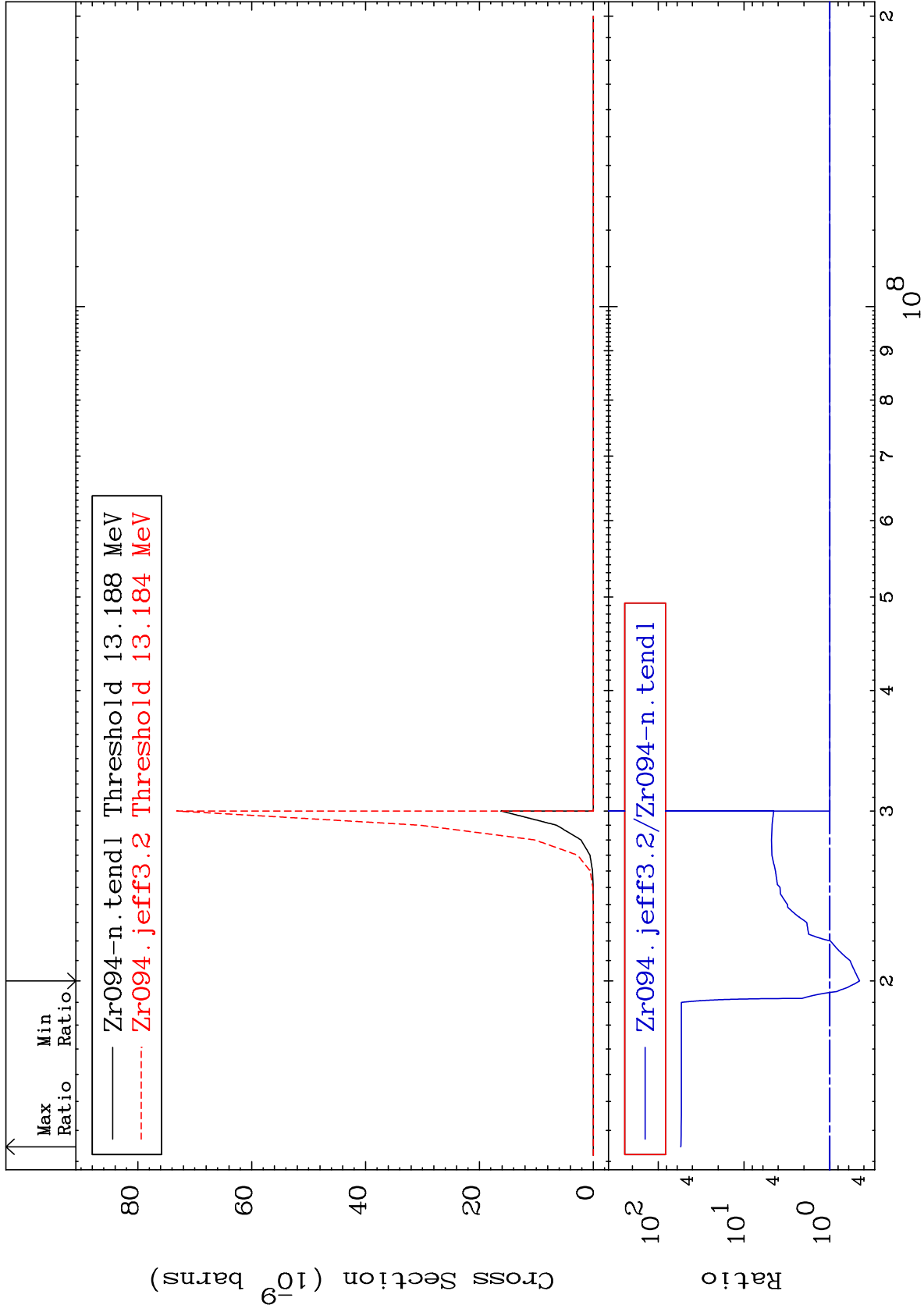
40-Zr-94
-68.11 To 0.000 %



60

Incident Energy (eV)

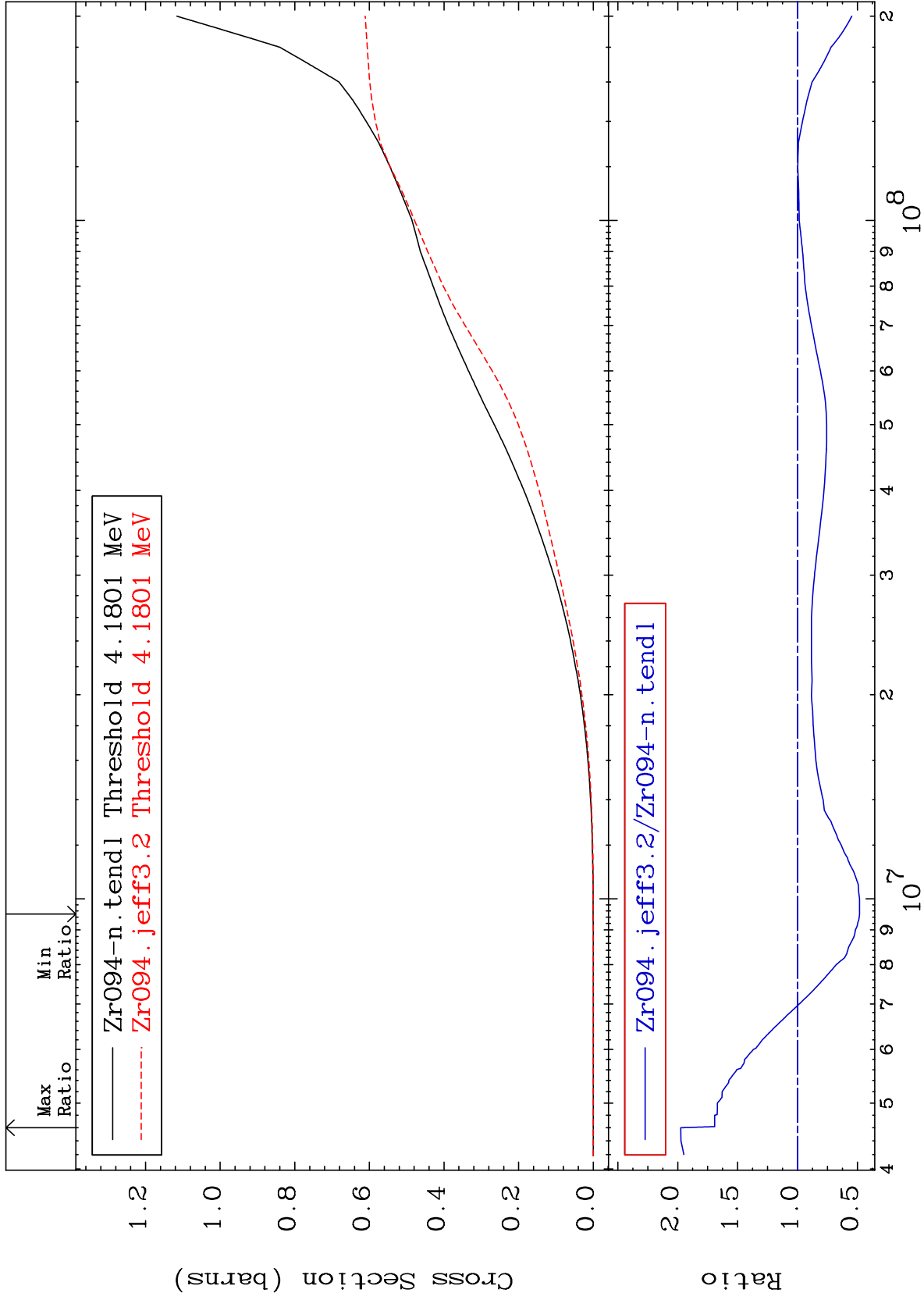
40-Zr-94



MAT 4037

Hydrogen Production
Cross Section

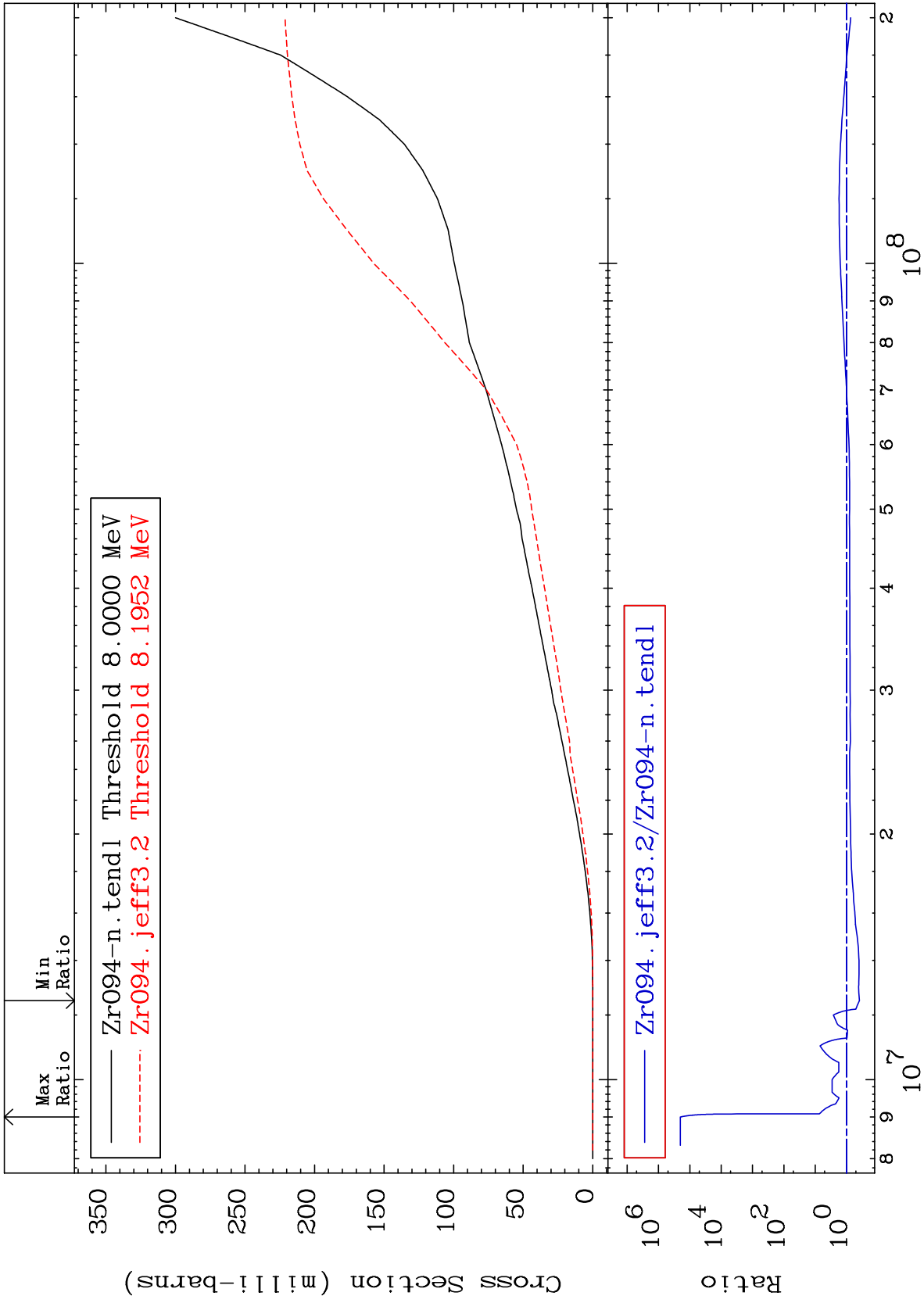
40-Zr-94
-51.68 To 97.44 %



MAT 4037

Deuterium Production
Cross Section

40-Zr-94
-61.18 To 9999. %



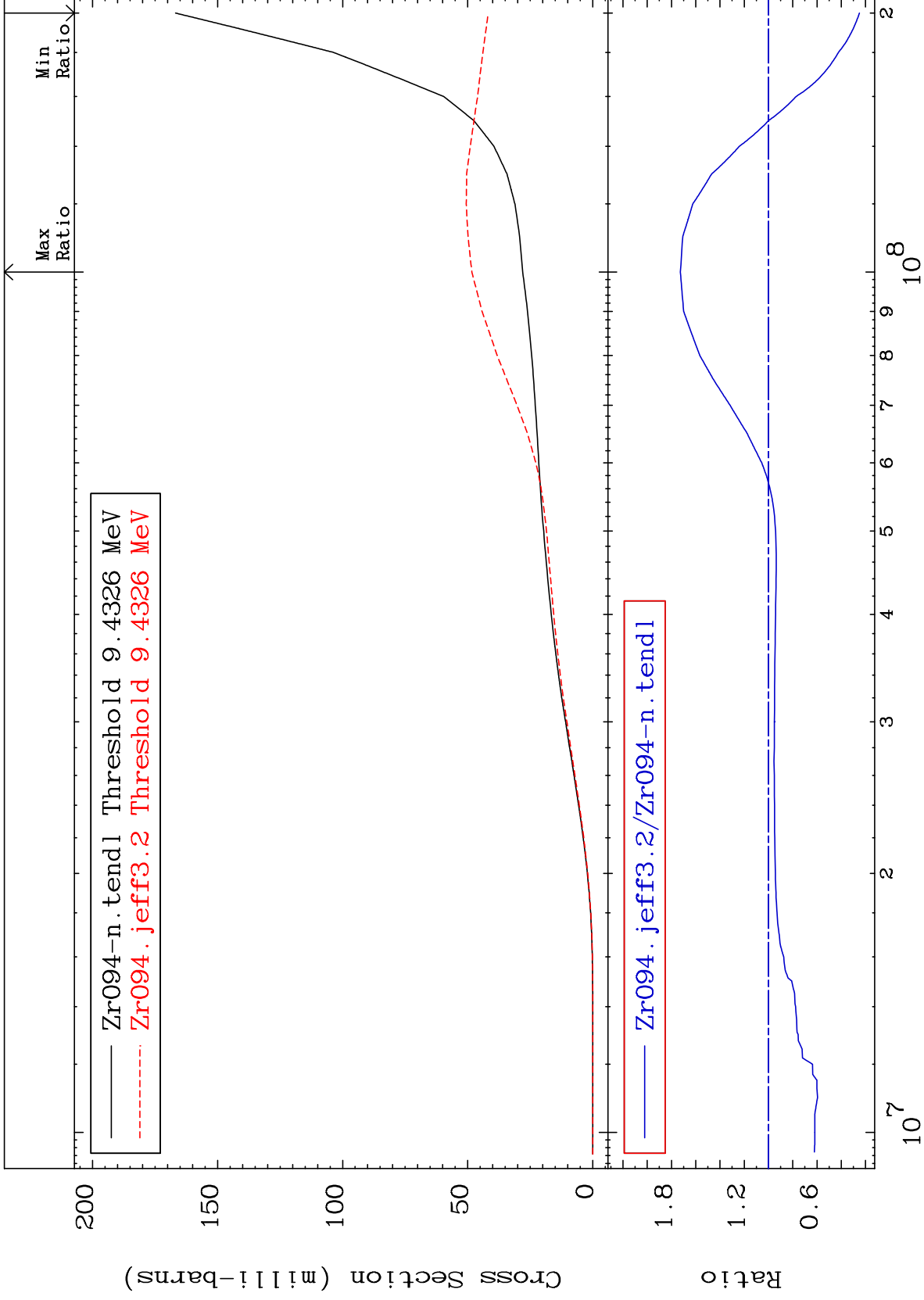
63

40-Zr-94

MAT 4037

Tritium Production
Cross Section

40-Zr-94
-74.97 To 72.67 %

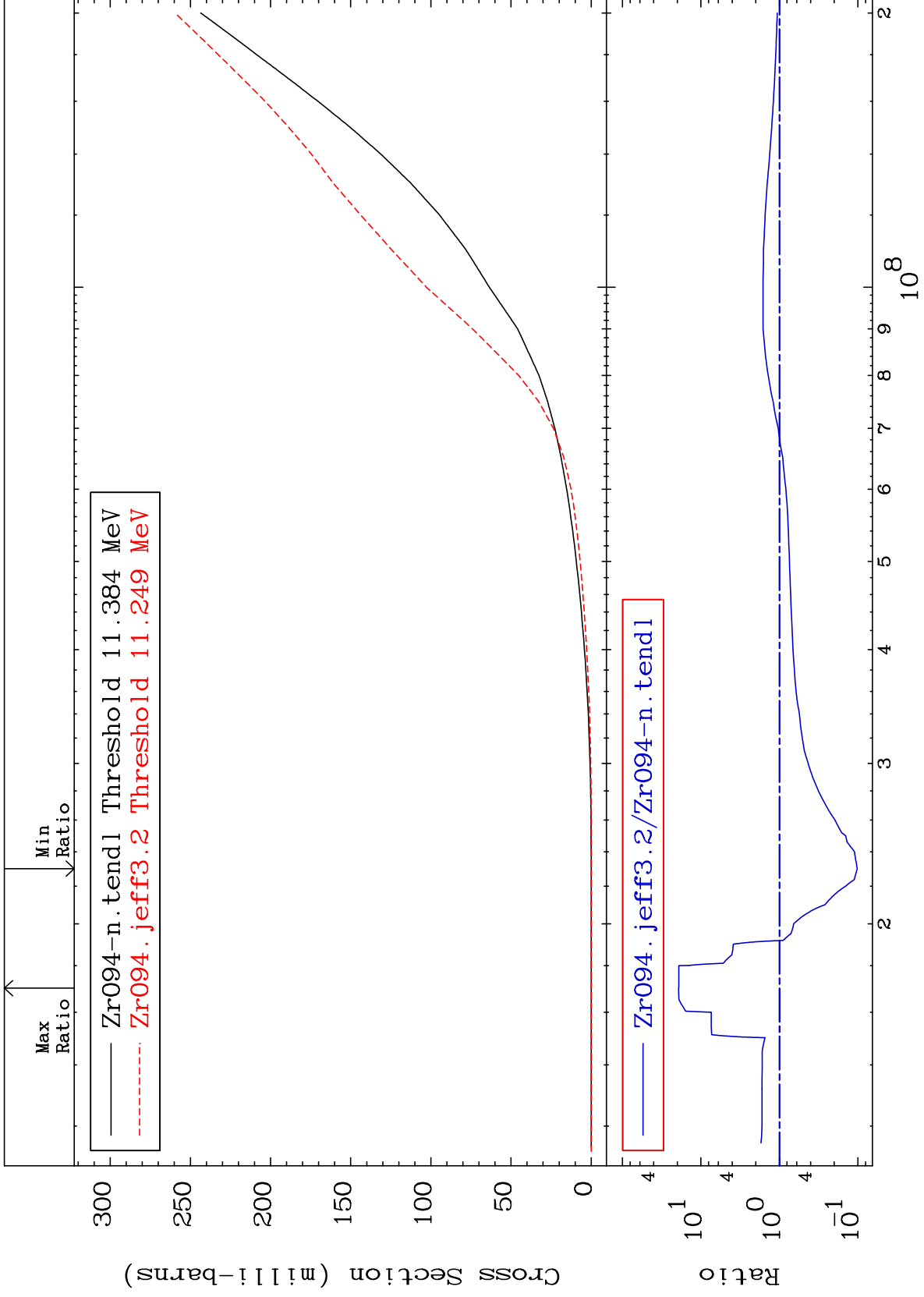


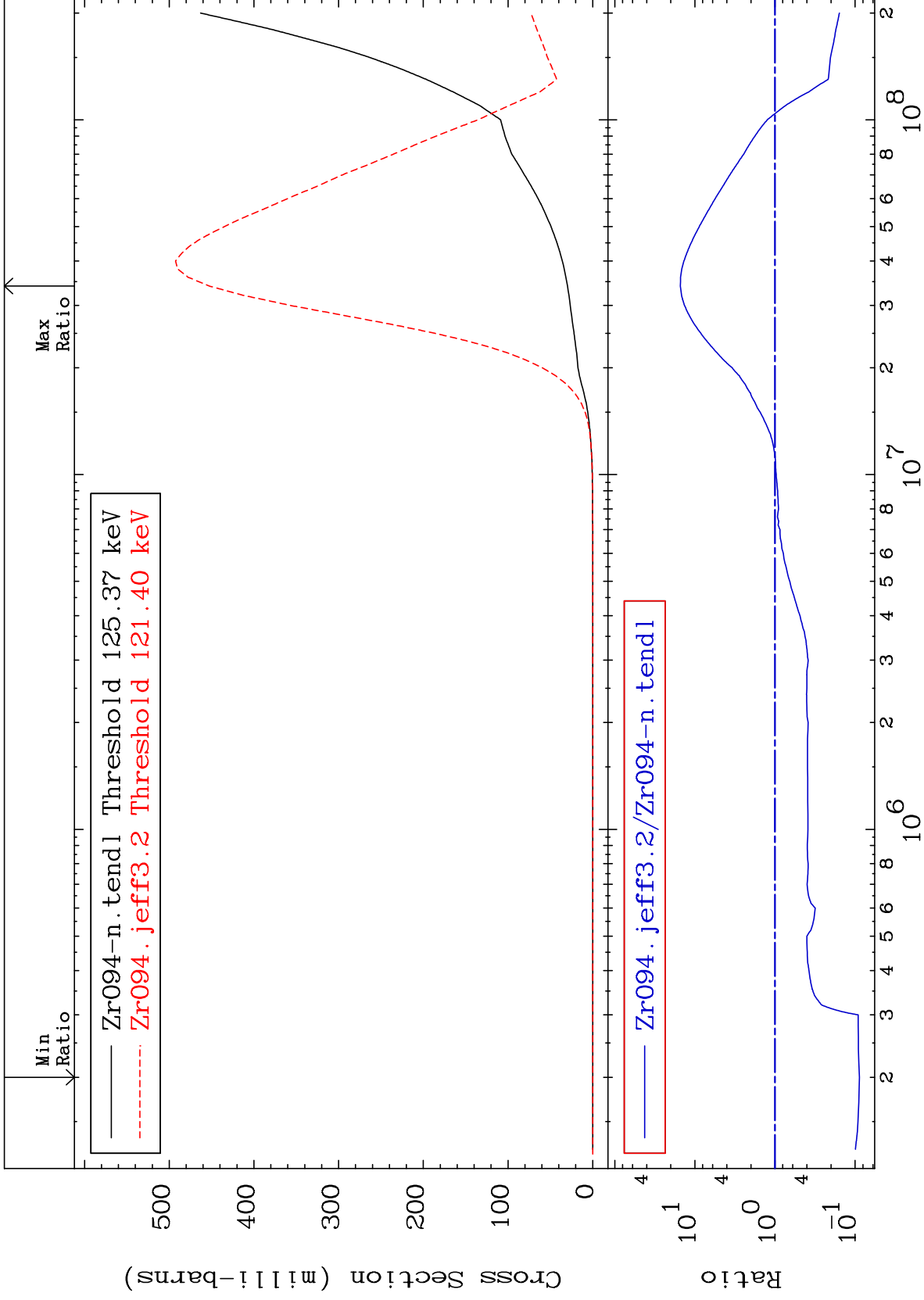
40-Zr-94

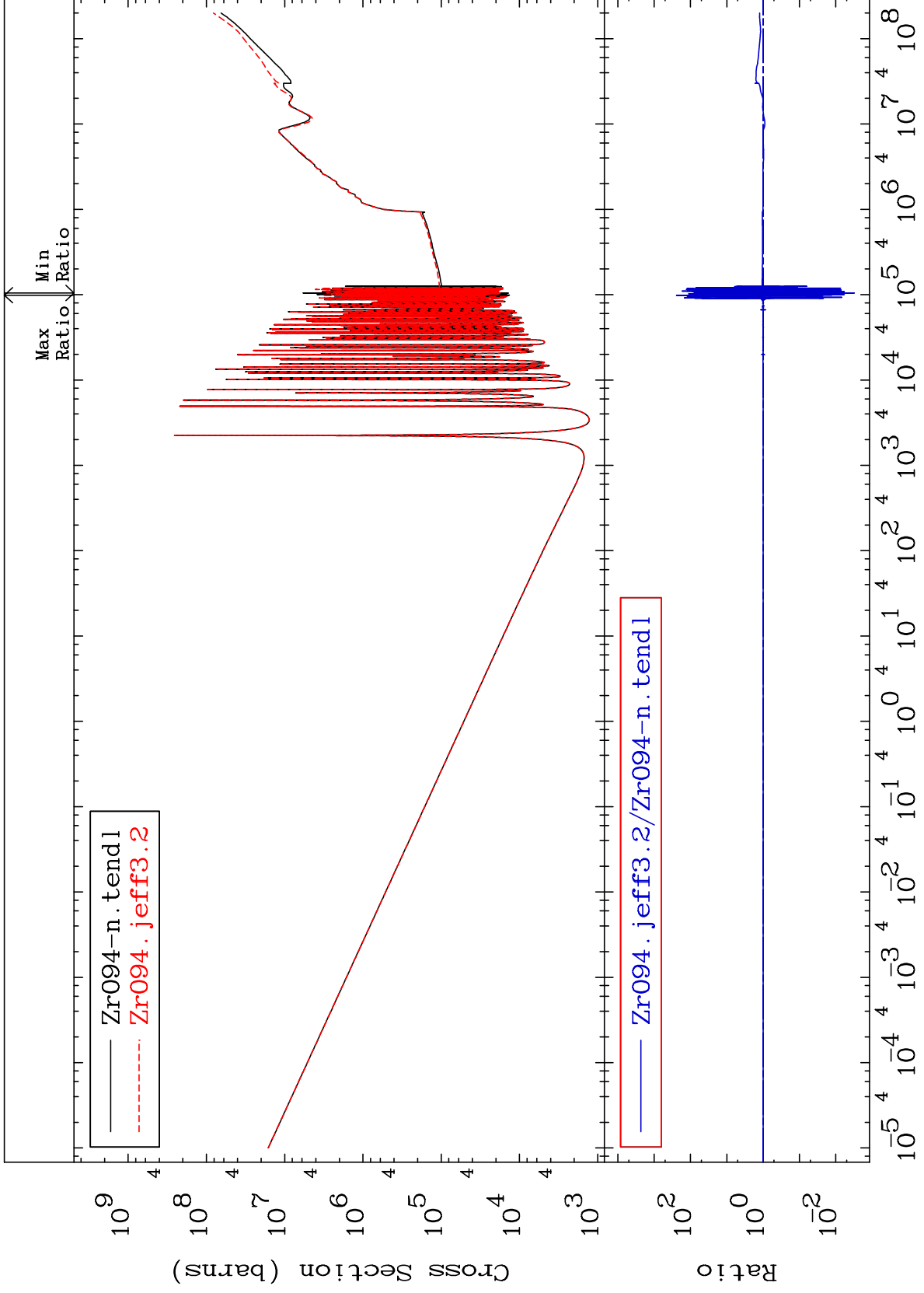
MAT 4037

He-3 Production
Cross Section

40-Zr-94
-89.82 To 1823. %



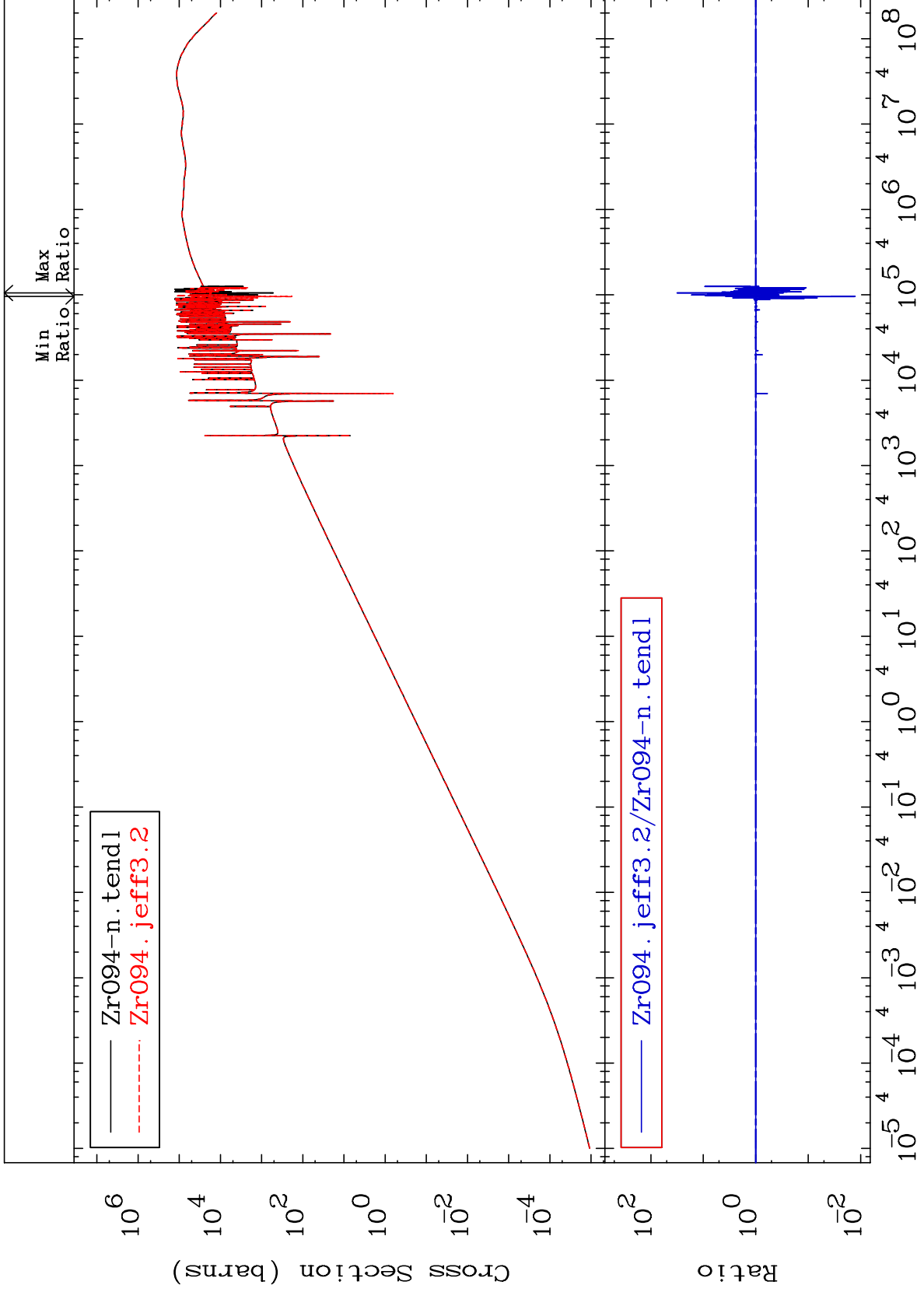


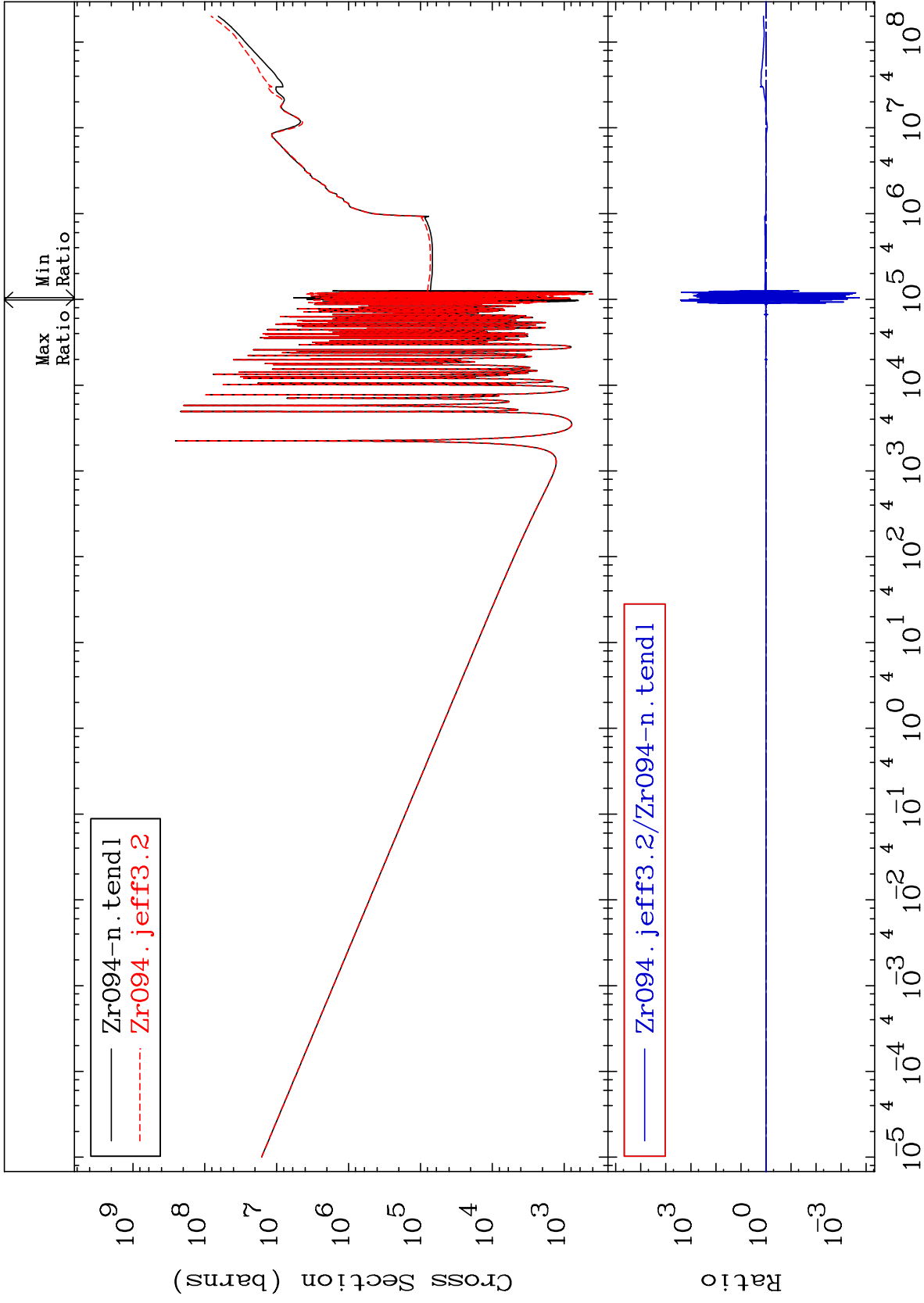


MAT 4037

Kerma elastic
Cross Section

40-Zr-94
-98.73 To 3082. %

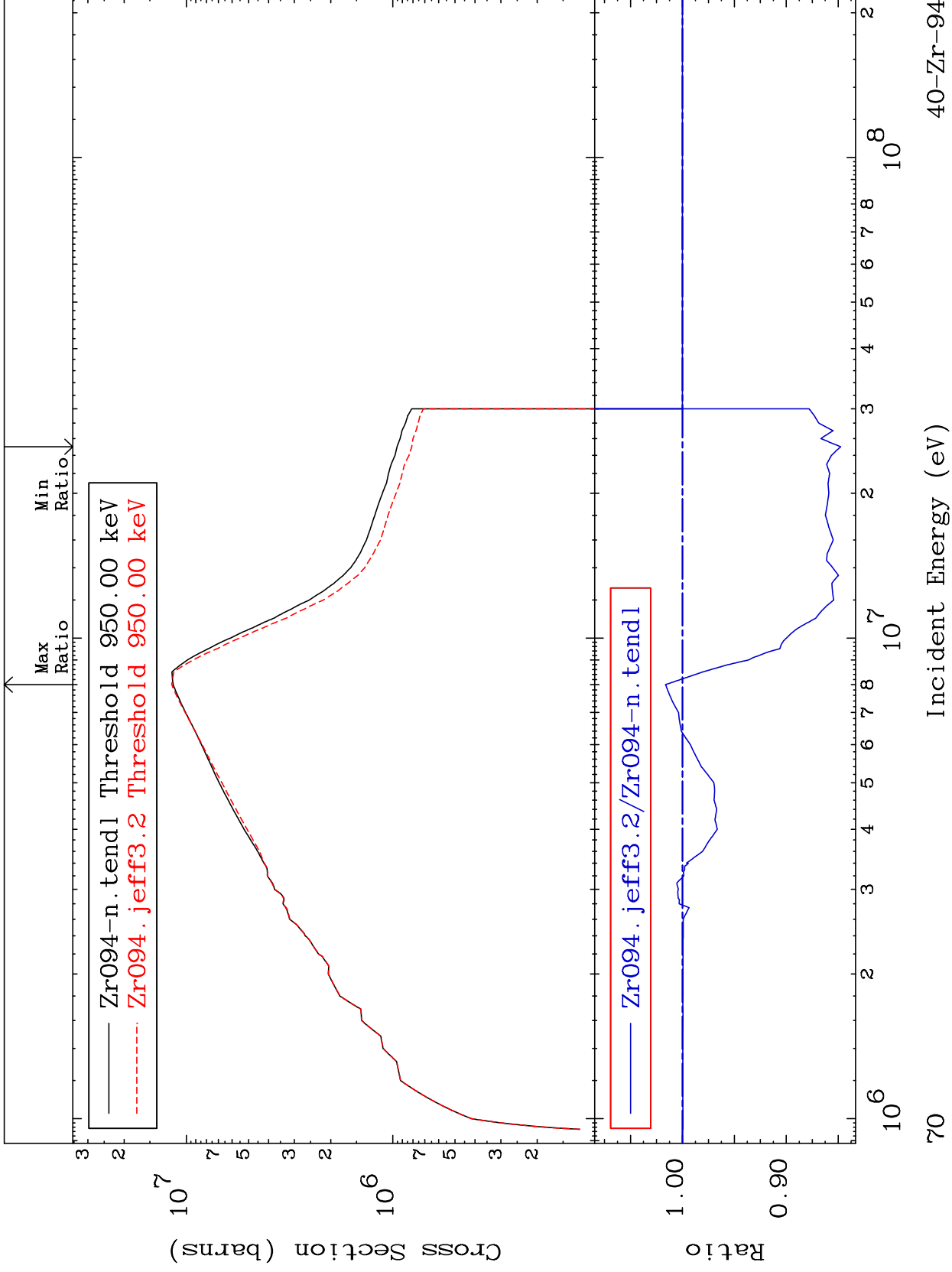




MAT 4037

Kerma inelastic (mt51-91)
Cross Section

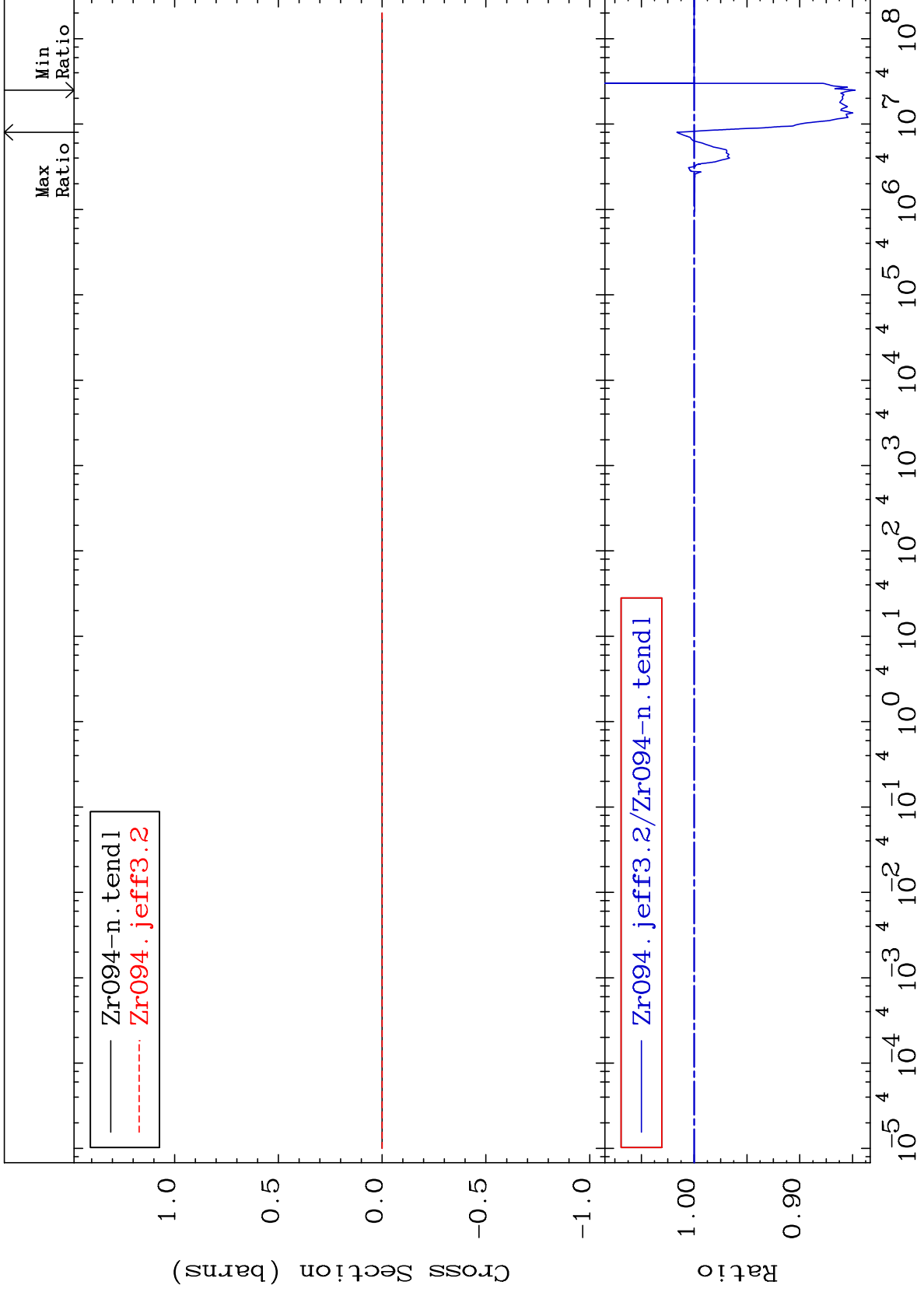
40-Zr-94
-15.24 To 1.631 %



MAT 4037

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

40-Zr-94
-15.24 To 1.631 %



71

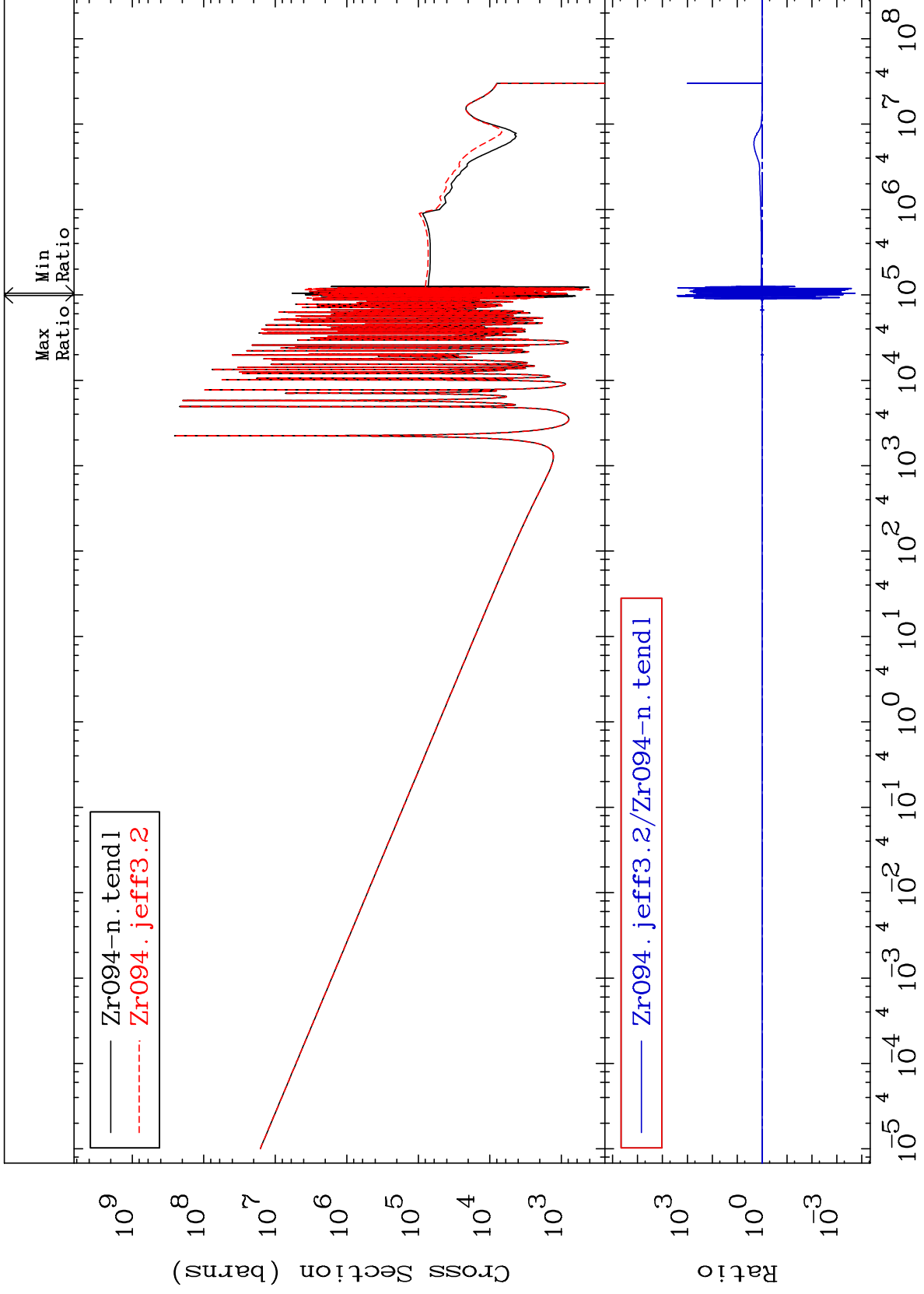
Incident Energy (eV)

40-Zr-94

MAT 4037

Kerma capture (mt102)
Cross Section

40-Zr-94
-99.98 To 9999. %



72

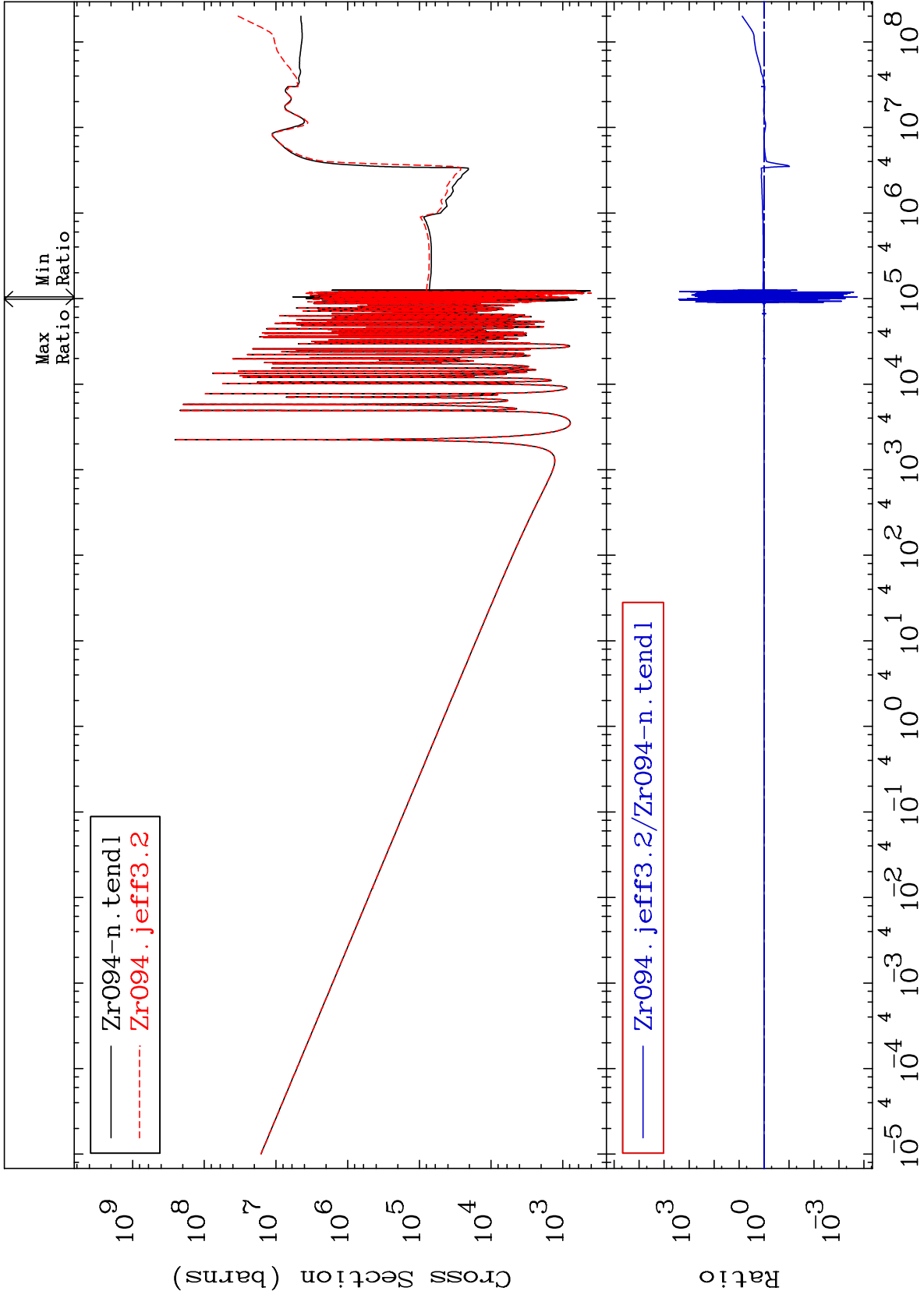
Incident Energy (eV)

40-Zr-94

MAT 4037

Total photon (eV-barns)
Cross Section

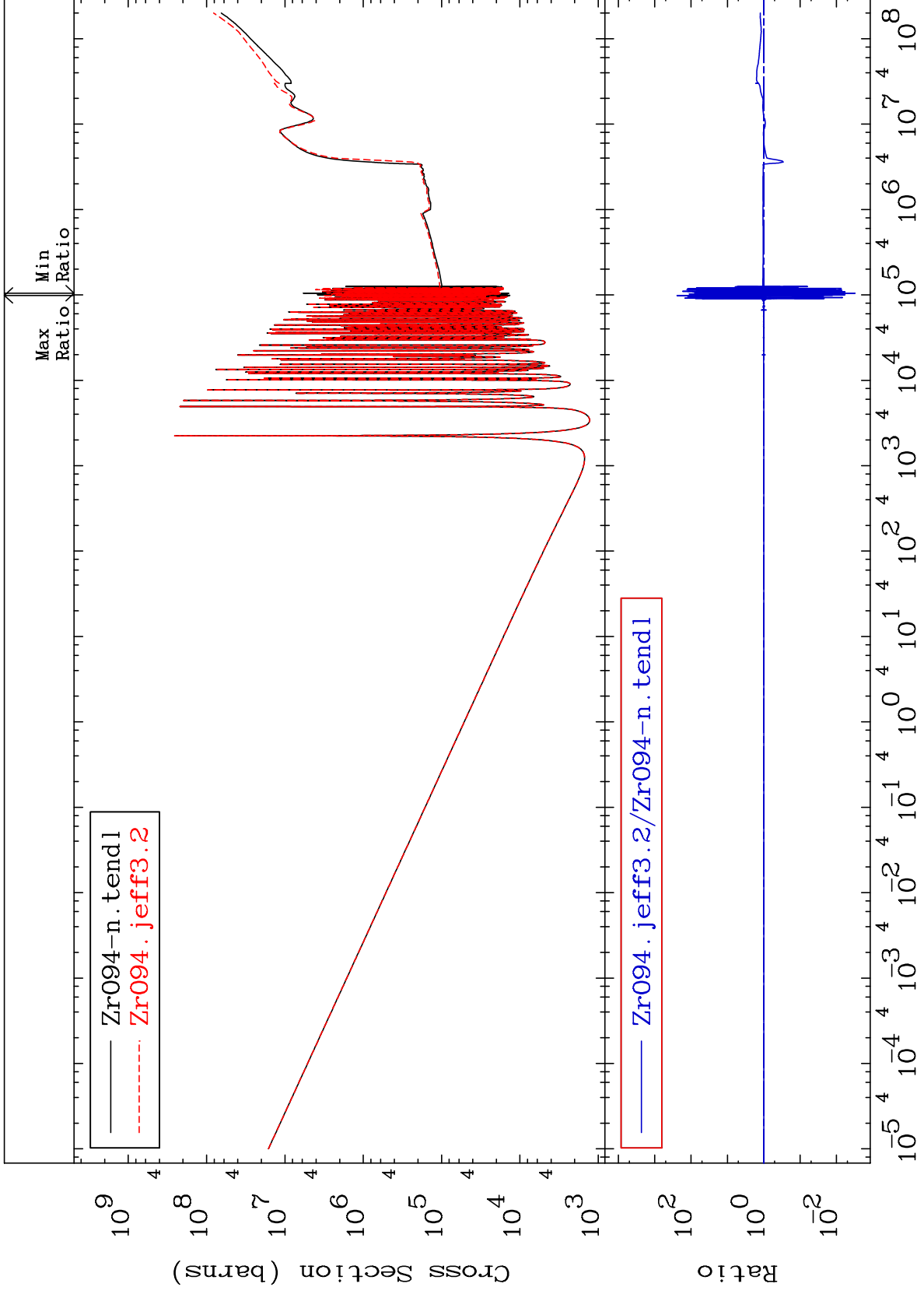
40-Zr-94
-99.98 To 9999. %



73

Incident Energy (eV)

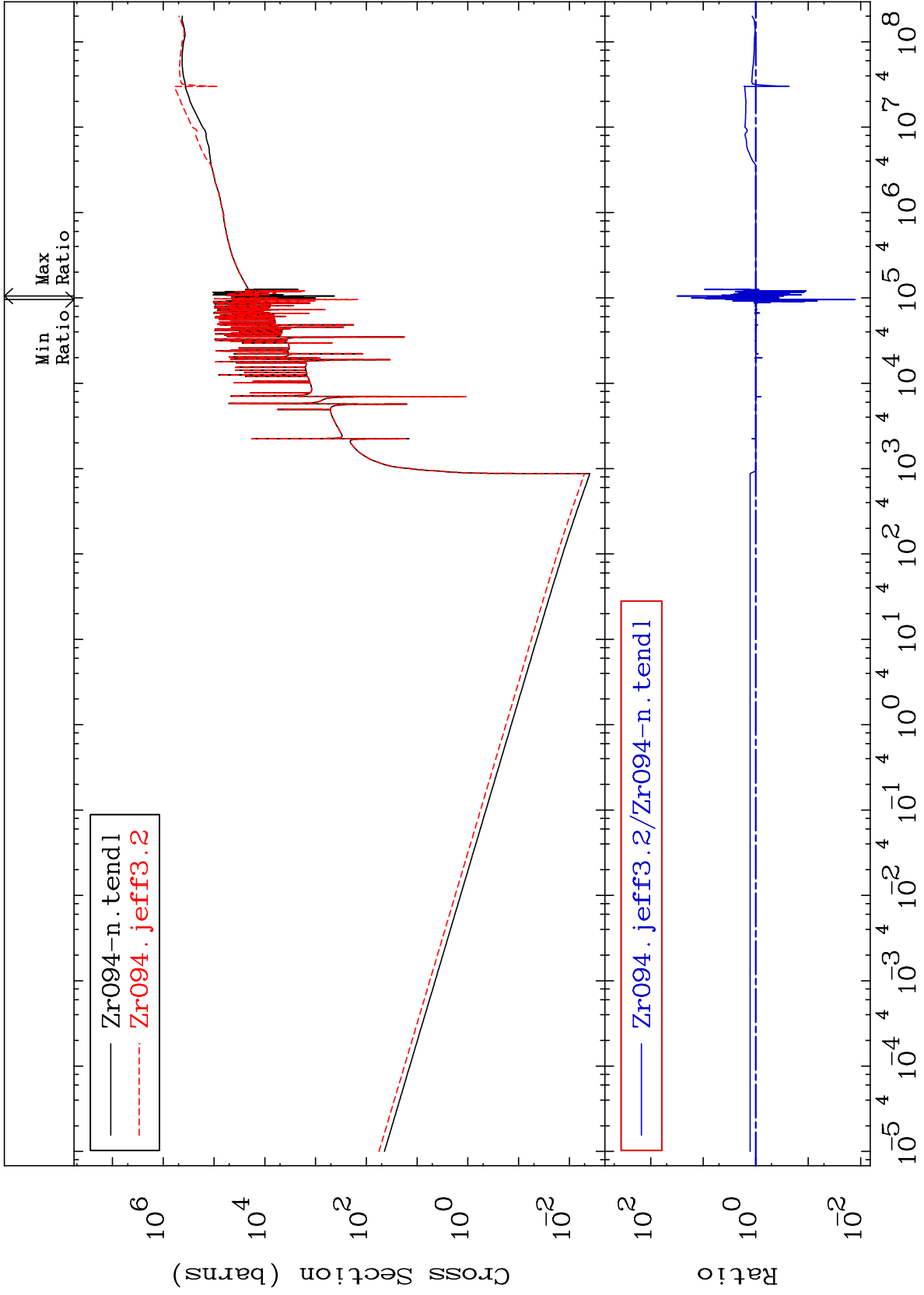
40-Zr-94



MAT 4037

Dpa total (eV-barns)
Cross Section

40-Zr-94
-98.72 To 3080. %



75

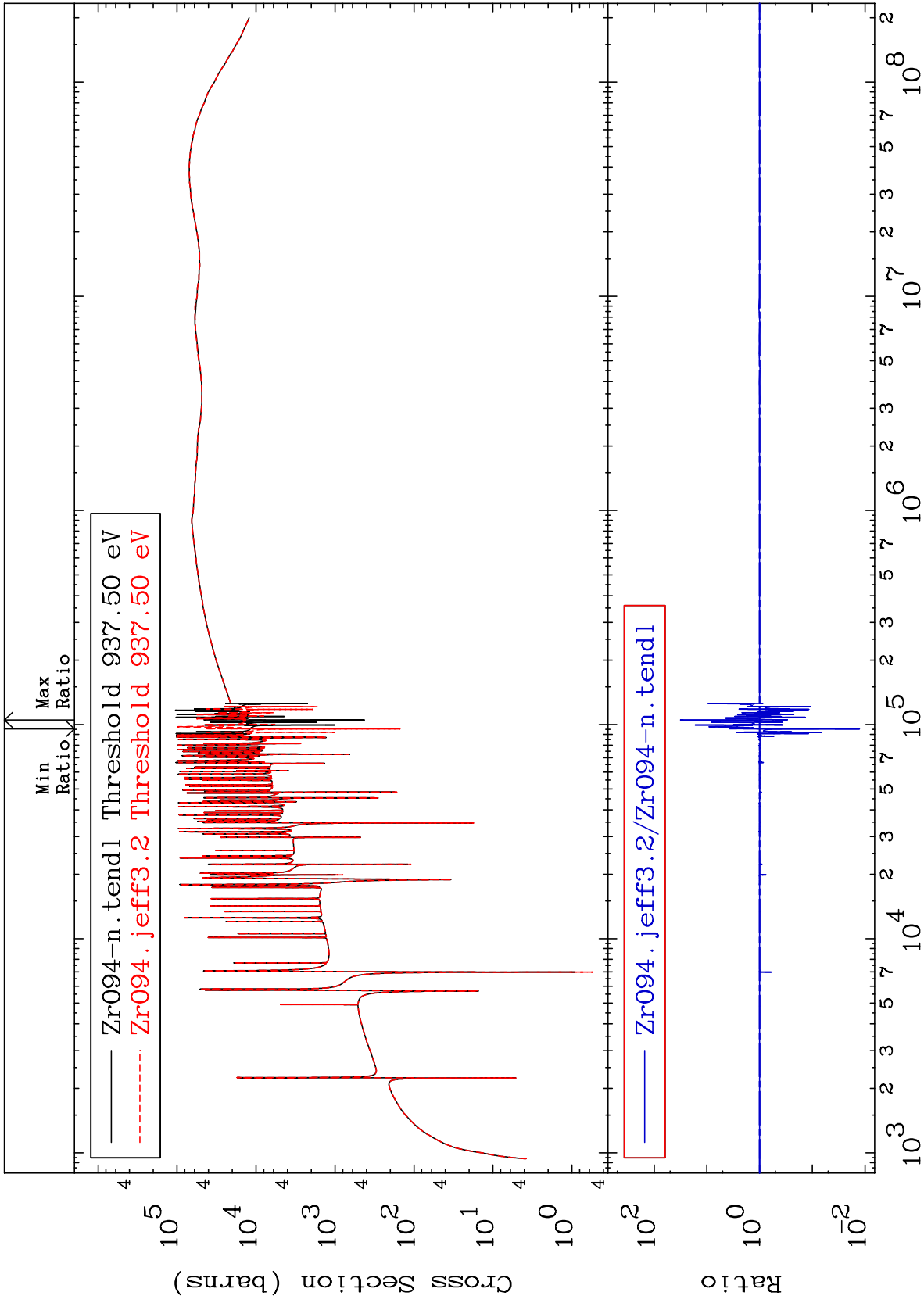
Incident Energy (eV)

40-Zr-94

MAT 4037

Dpa elastic (mt2)
Cross Section

40-Zr-94
-98.73 To 3082. %



76

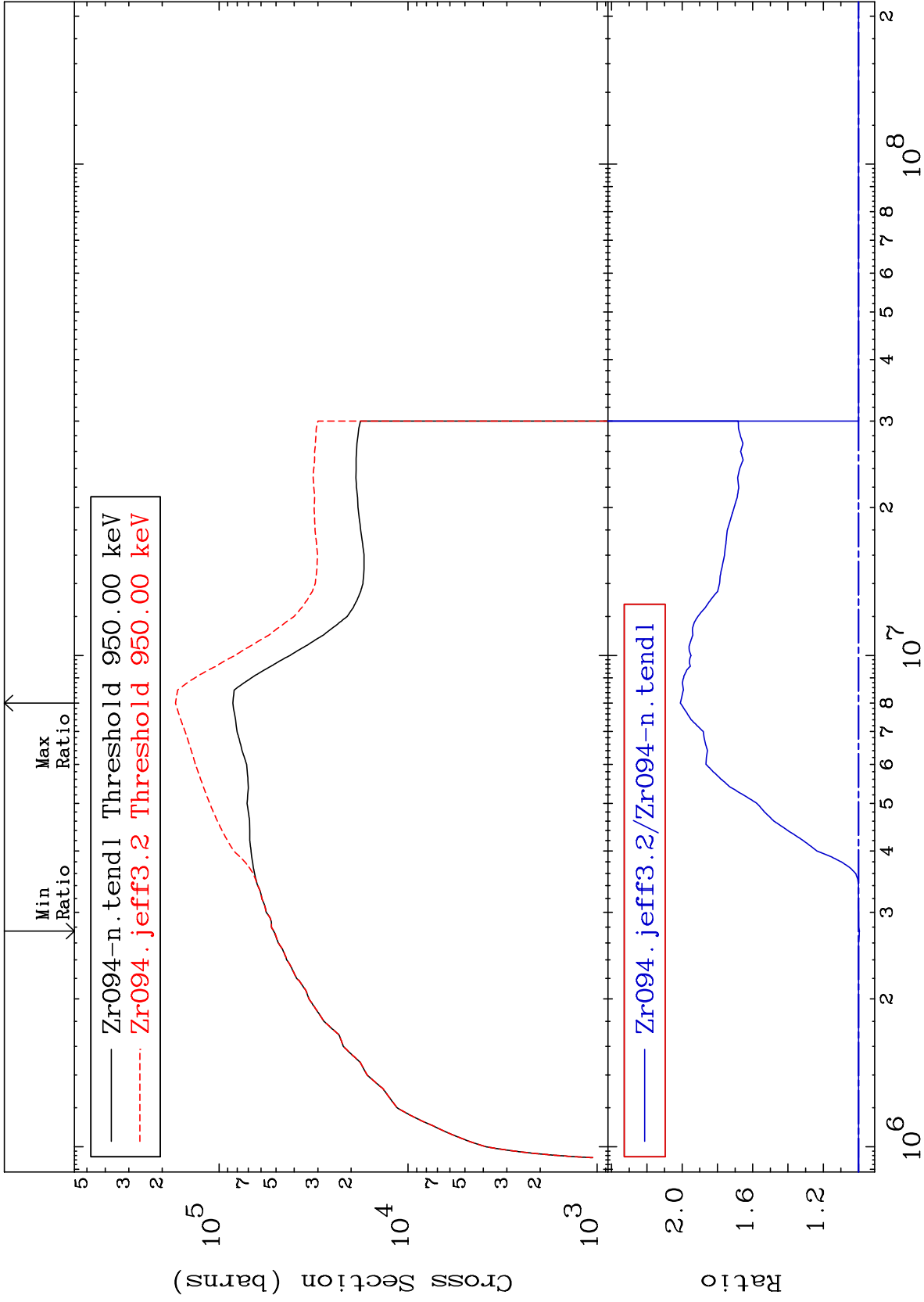
40-Zr-94

40-Zr-94

MAT 4037

Dpa inelastic (mt51-91)
Cross Section

40-Zr-94
-0.499 To 101.0 %



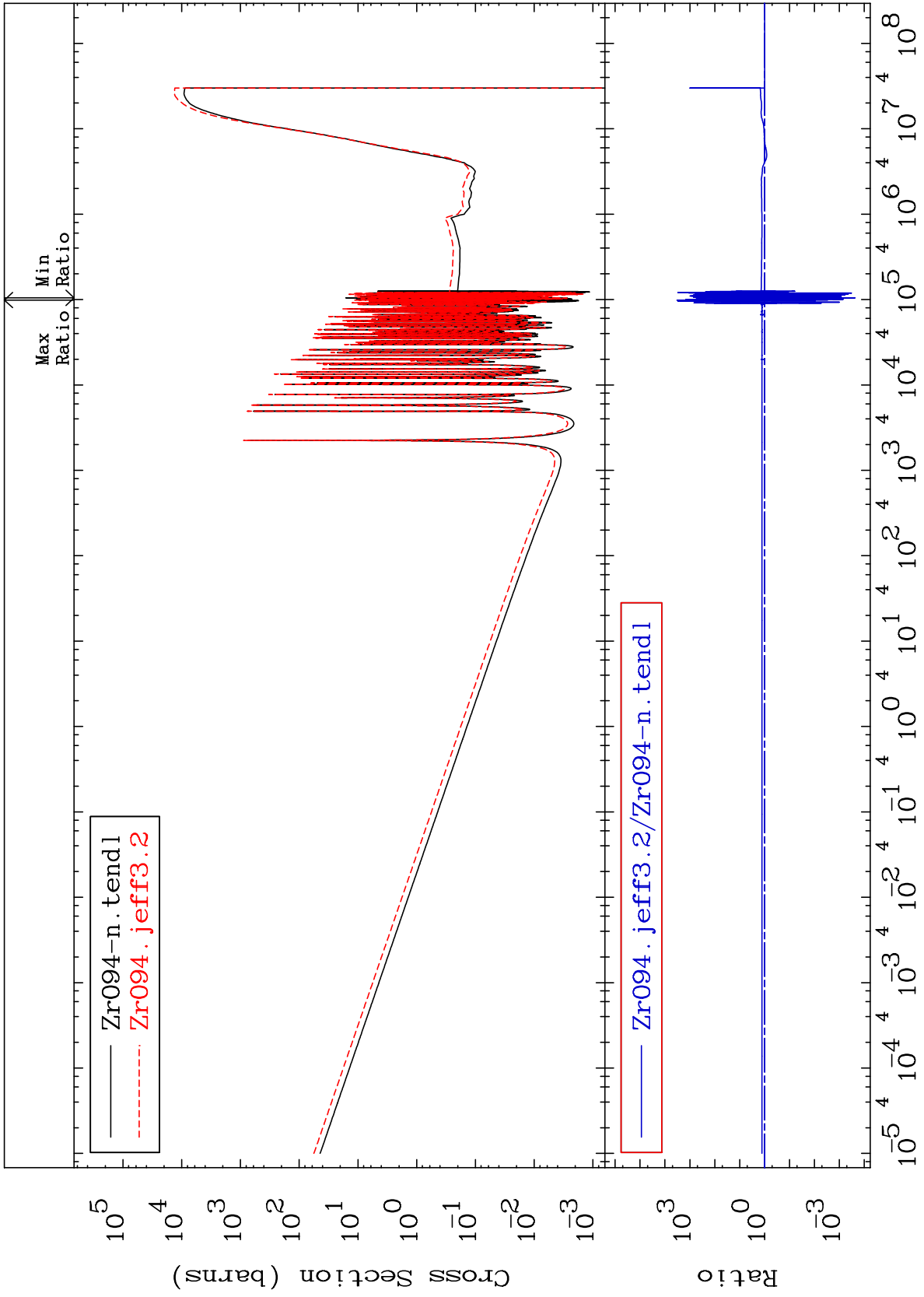
77

40-Zr-94

MAT 4037

Dpa disappearance (mt102 -120)
Cross Section

40-Zr-94
-99.98 To 9999. %



78

Incident Energy (eV)

40-Zr-94

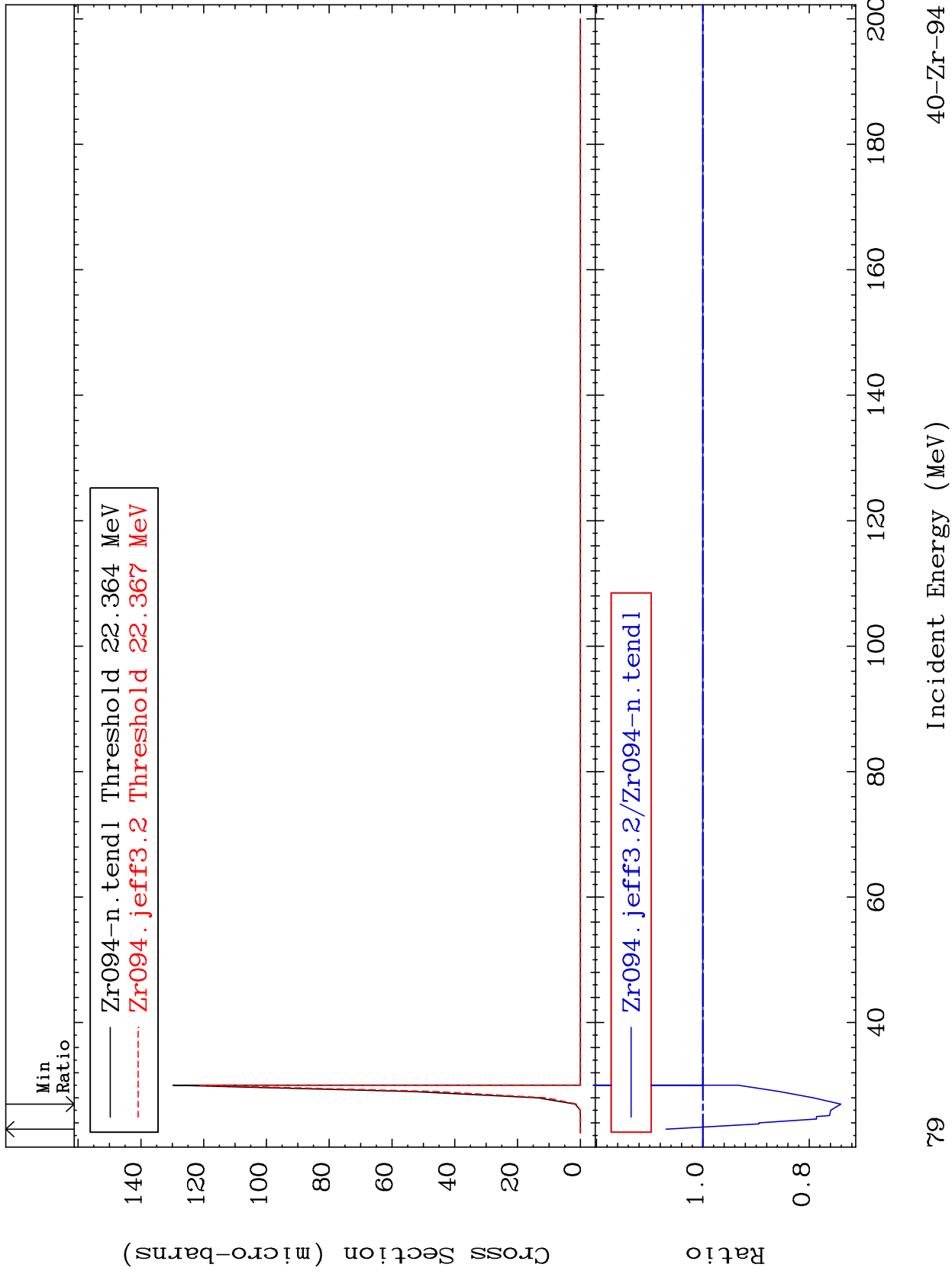
MAT 4037

(n,2n) d:39-Y -91g

40-Zr-94

Radionuclide Production Cross Section

-25.93 To 6.930 %



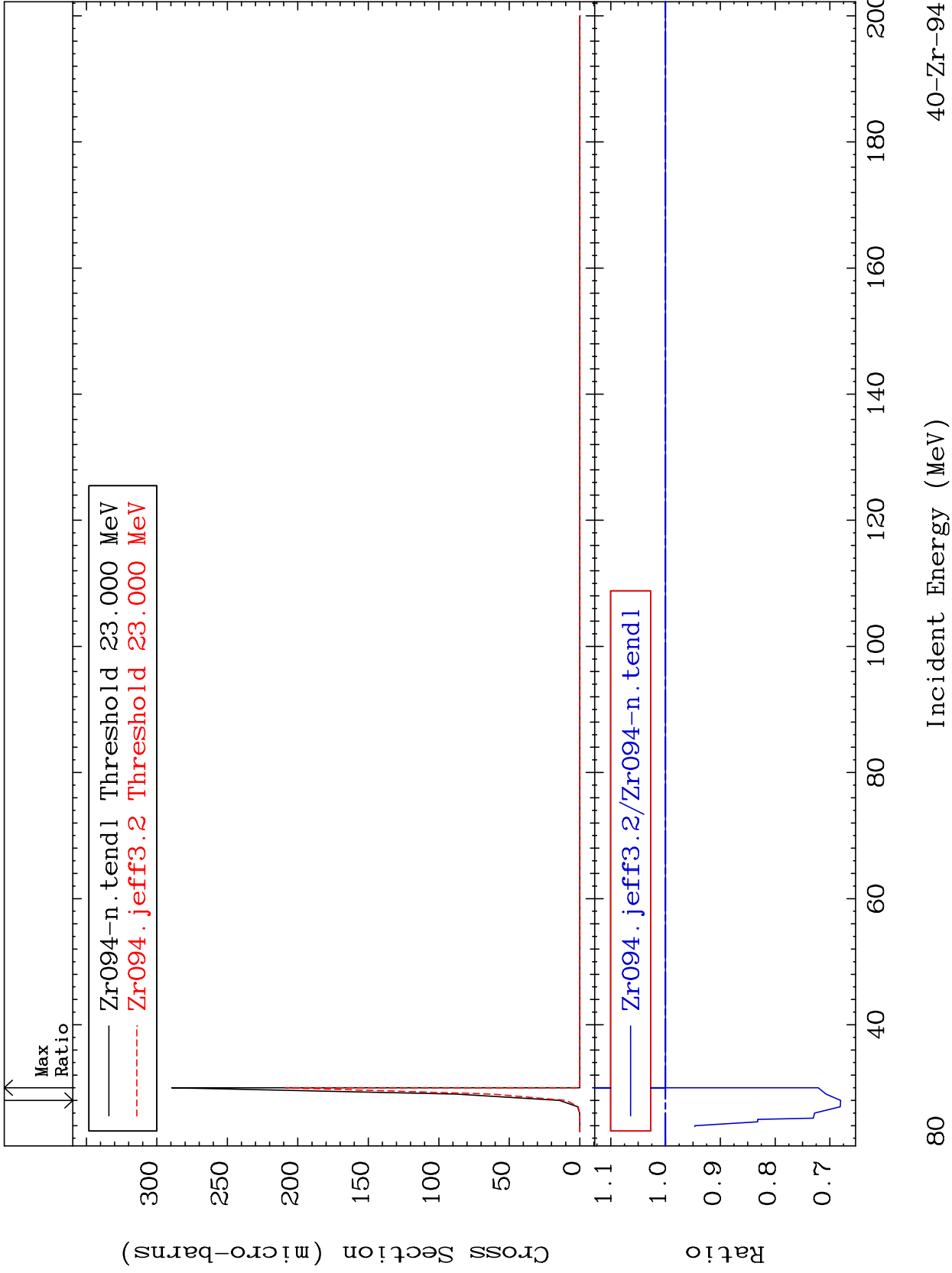
MAT 4037

(n,2n) d:39-Y -91m1

40-Zr-94

Radionuclide Production Cross Section

-31.97 To 0.000 %

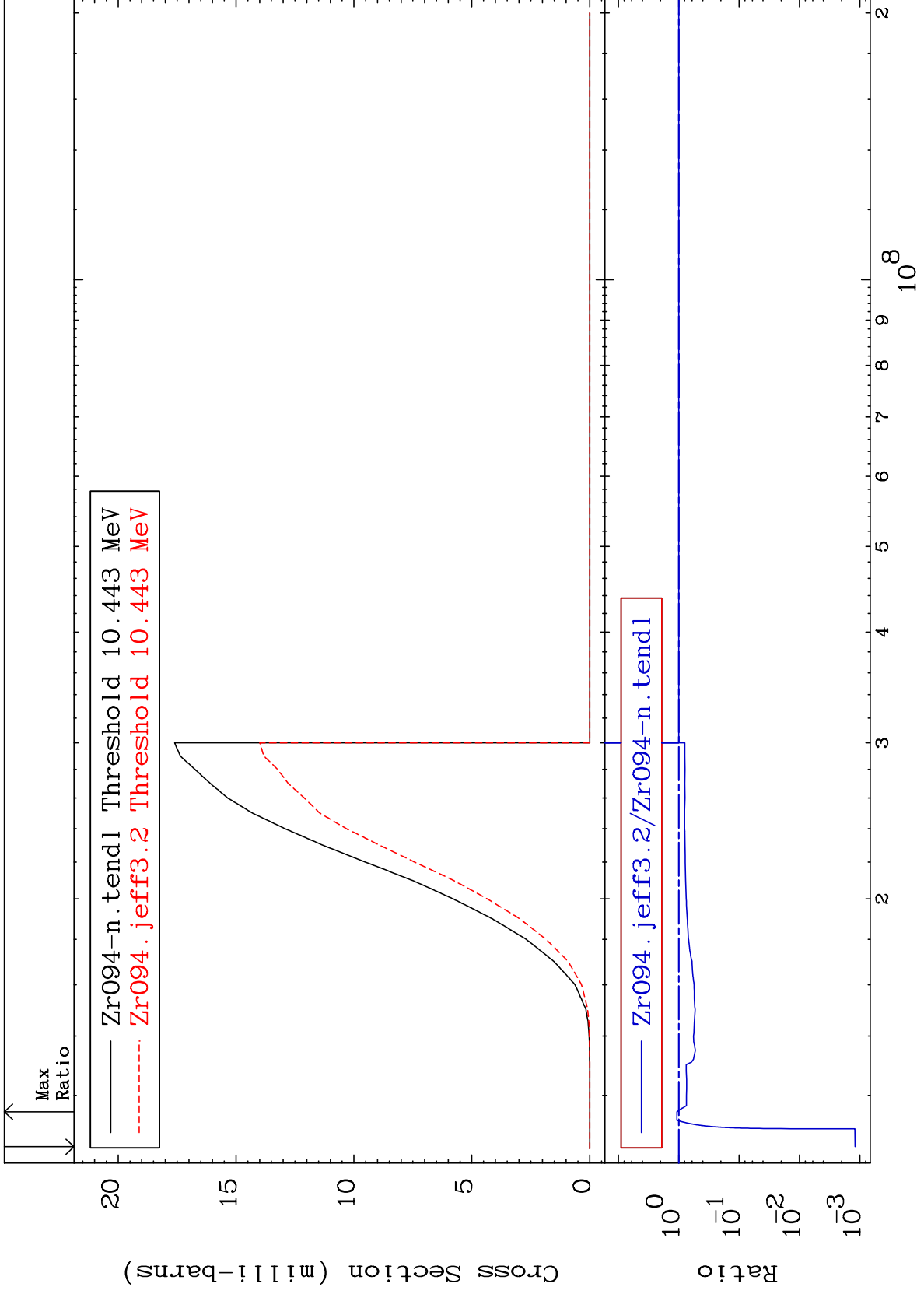


MAT 4037

(n, n') p:39-Y -93g

40-Zr-94

Radionuclide Production Cross Section -99.88 To 7.036 %

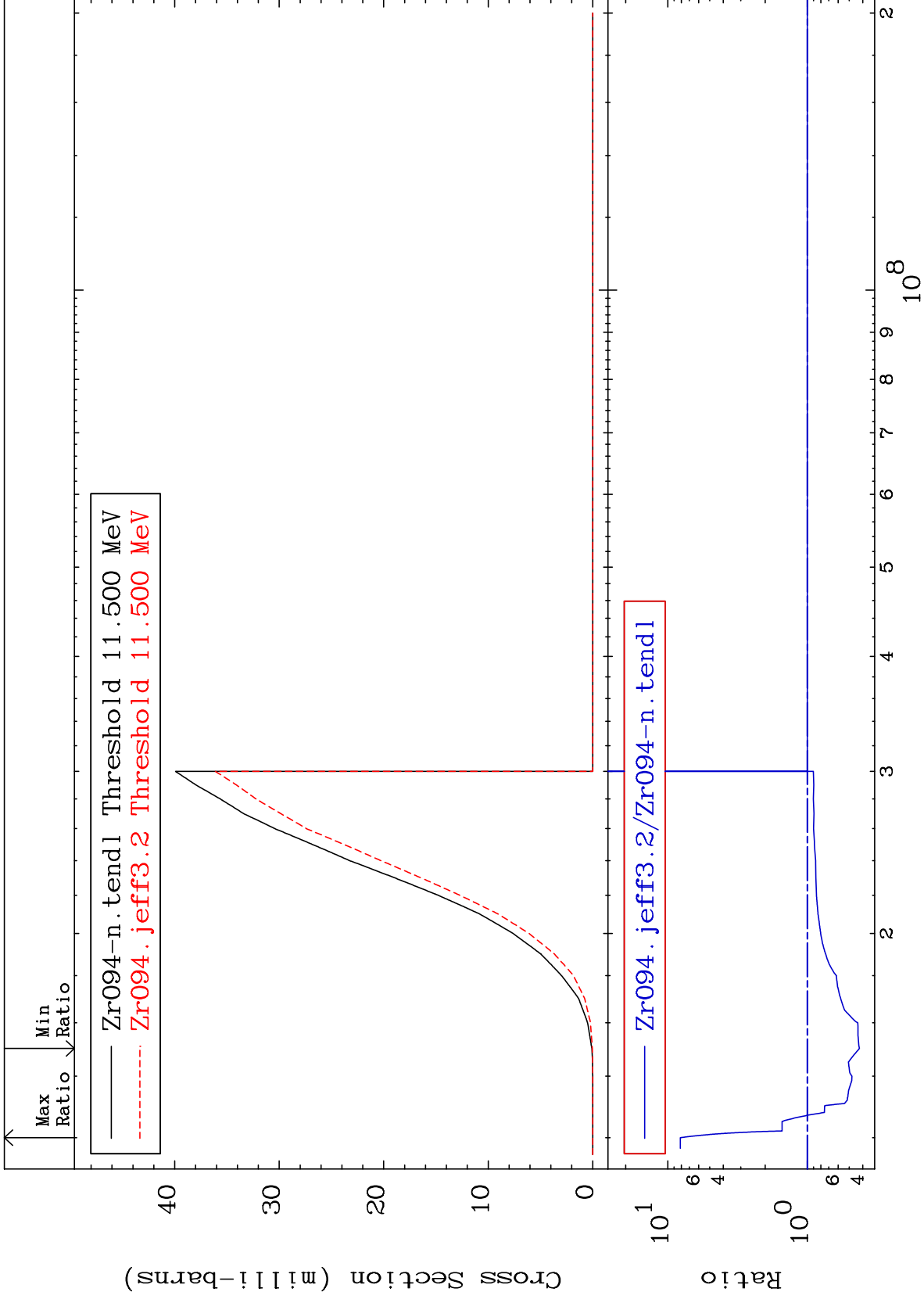


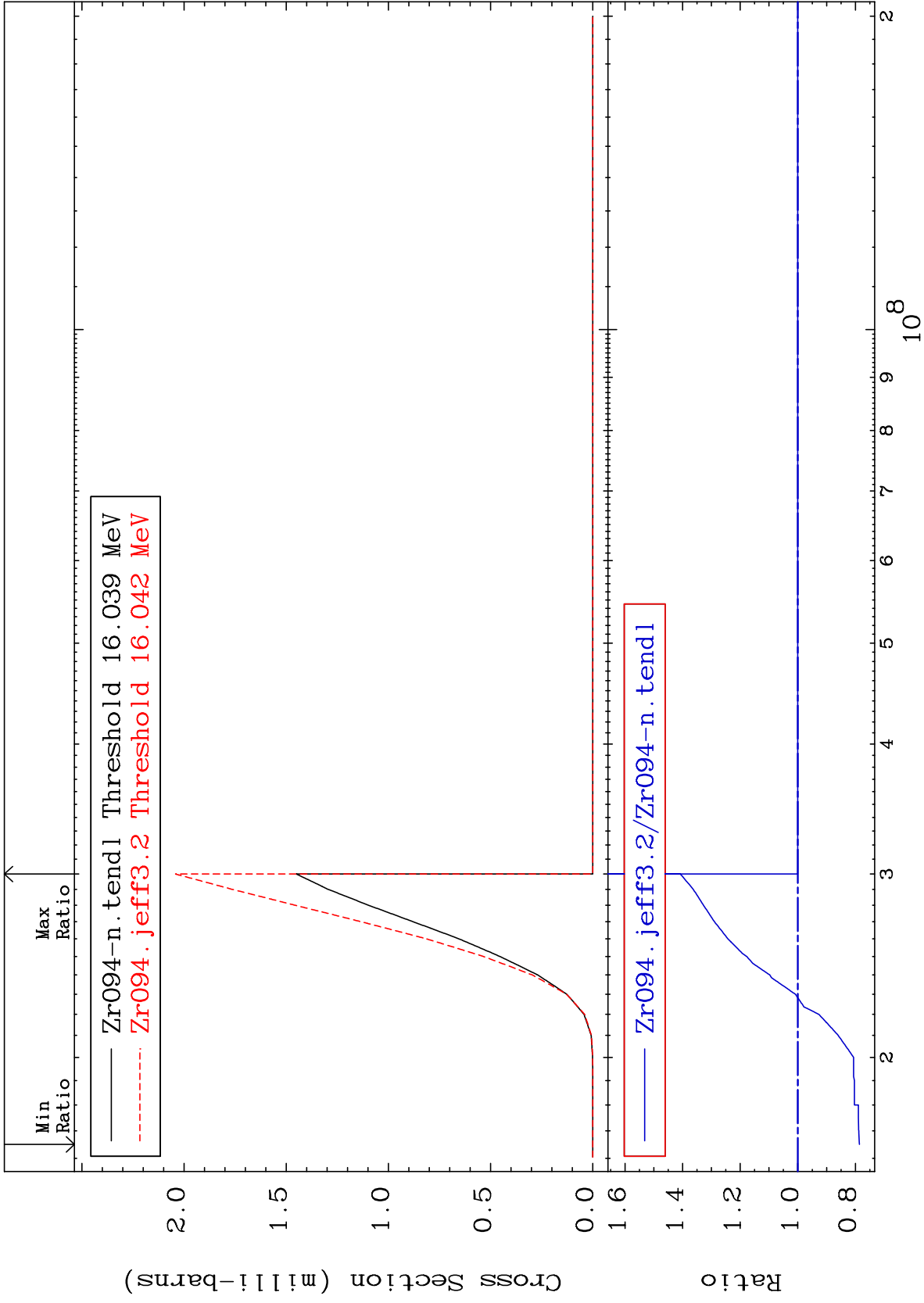
MAT 4037

(n, n') p:39-Y -93m2

40-Zr-94

Radionuclide Production Cross Section -57.73 To 712.2 %



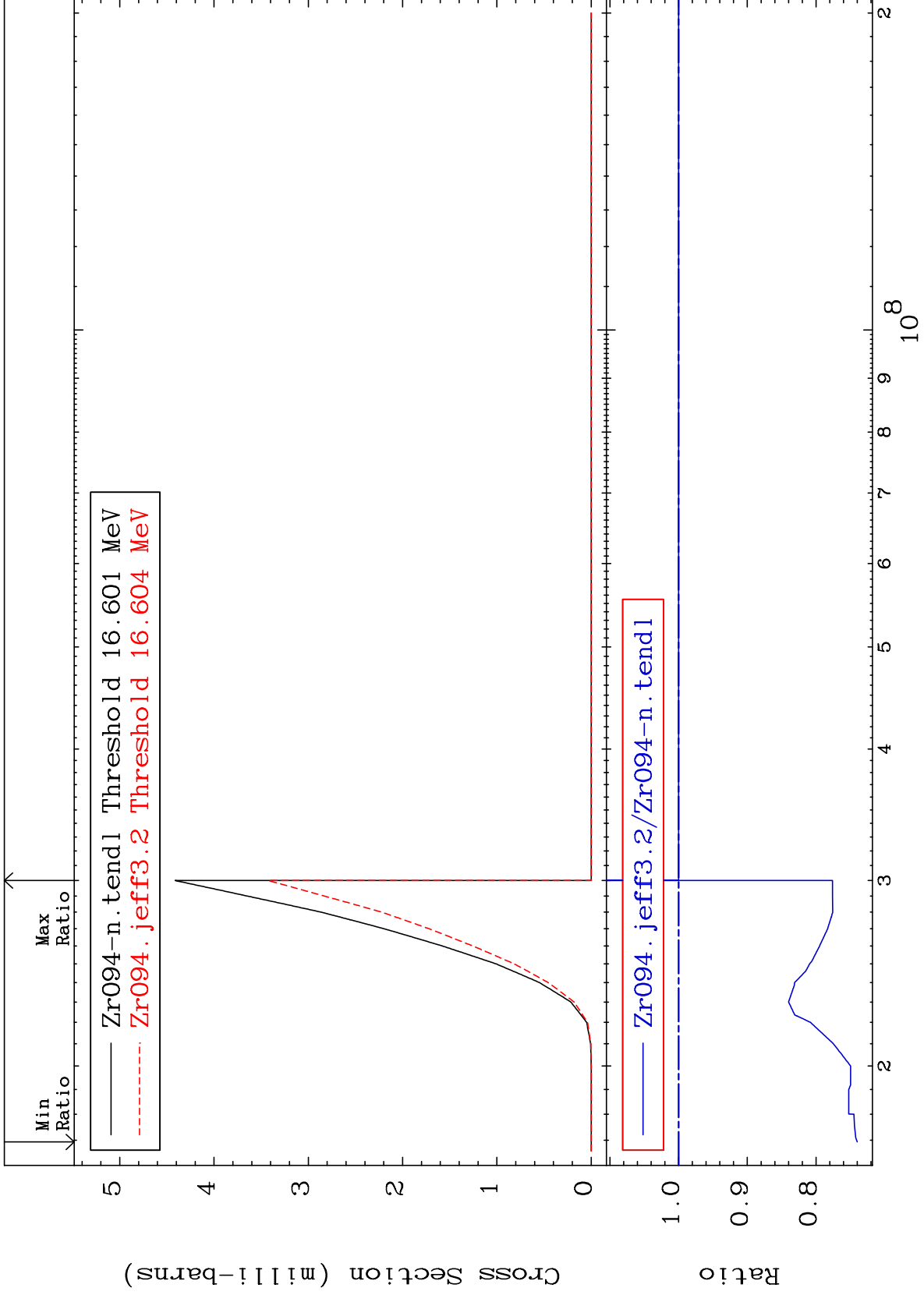


MAT 4037

(n,n') t:39-Y -91m1

40-Zr-94

Radionuclide Production Cross Section -26.00 To 0.000 %



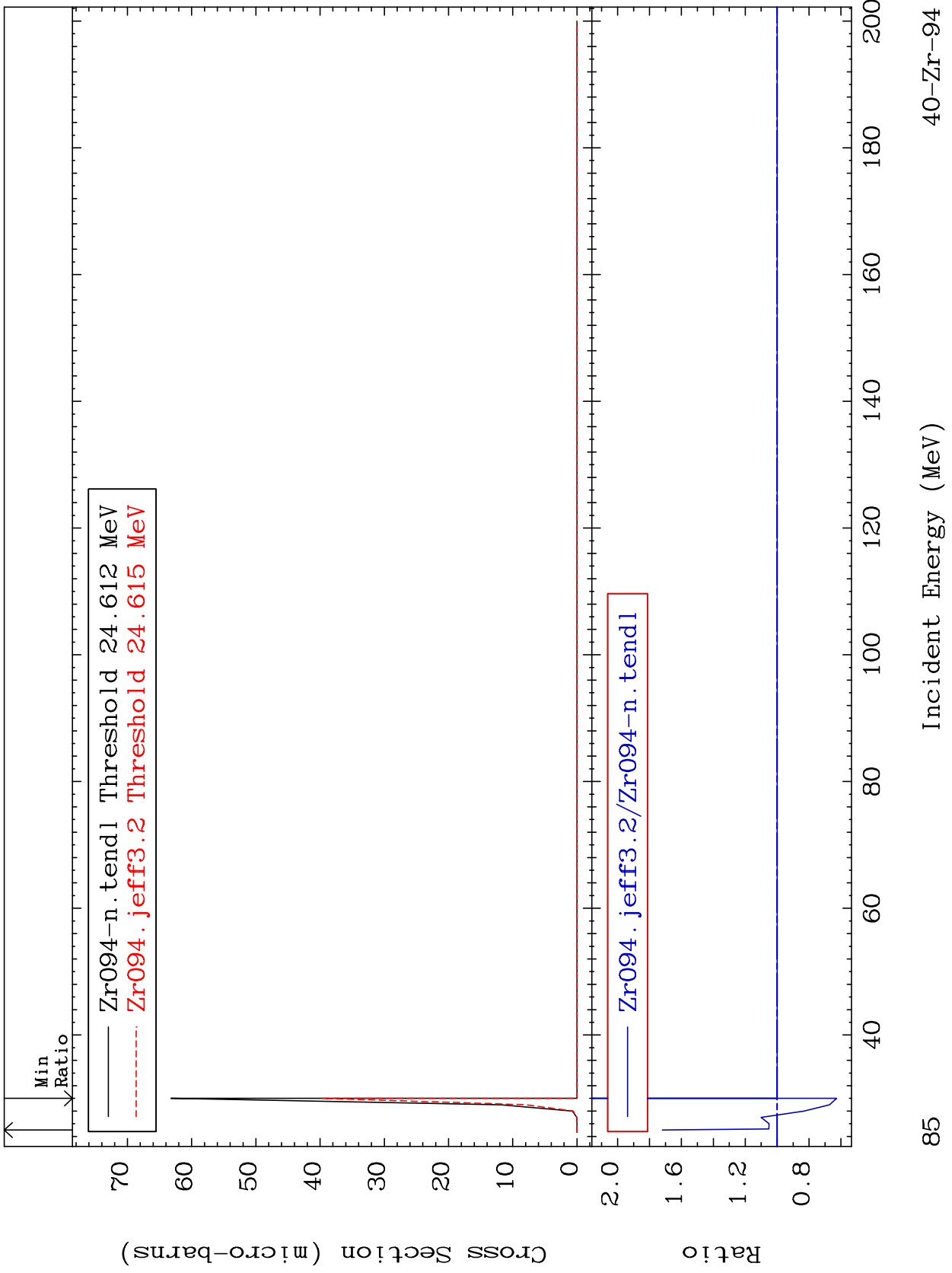
MAT 4037

(n,3n) p:39-Y -91g

40-Zr-94

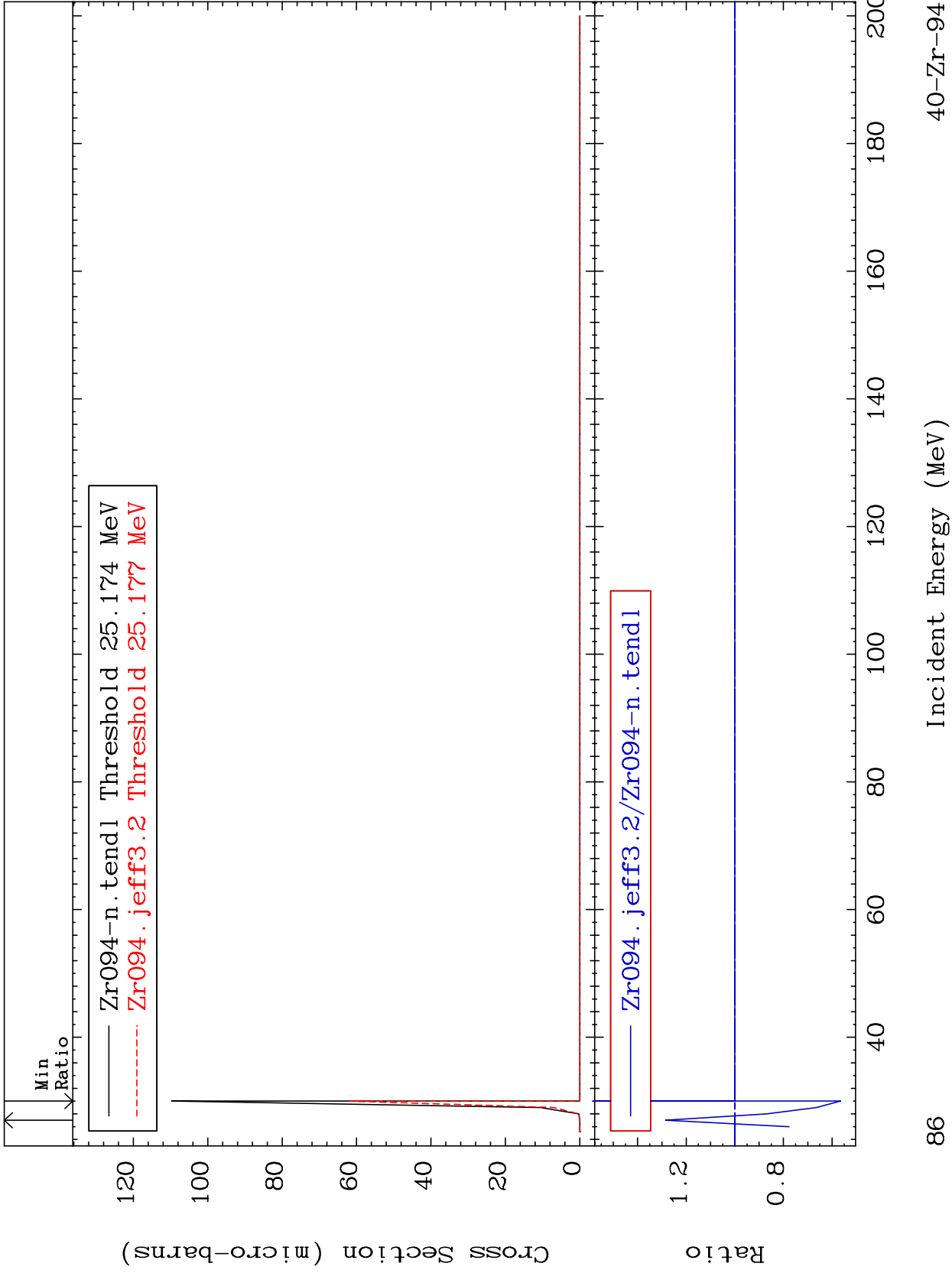
Radionuclide Production Cross Section

-37.28 To 71.97 %



Radionuclide Production Cross Section

-43.55 To 28.52 %

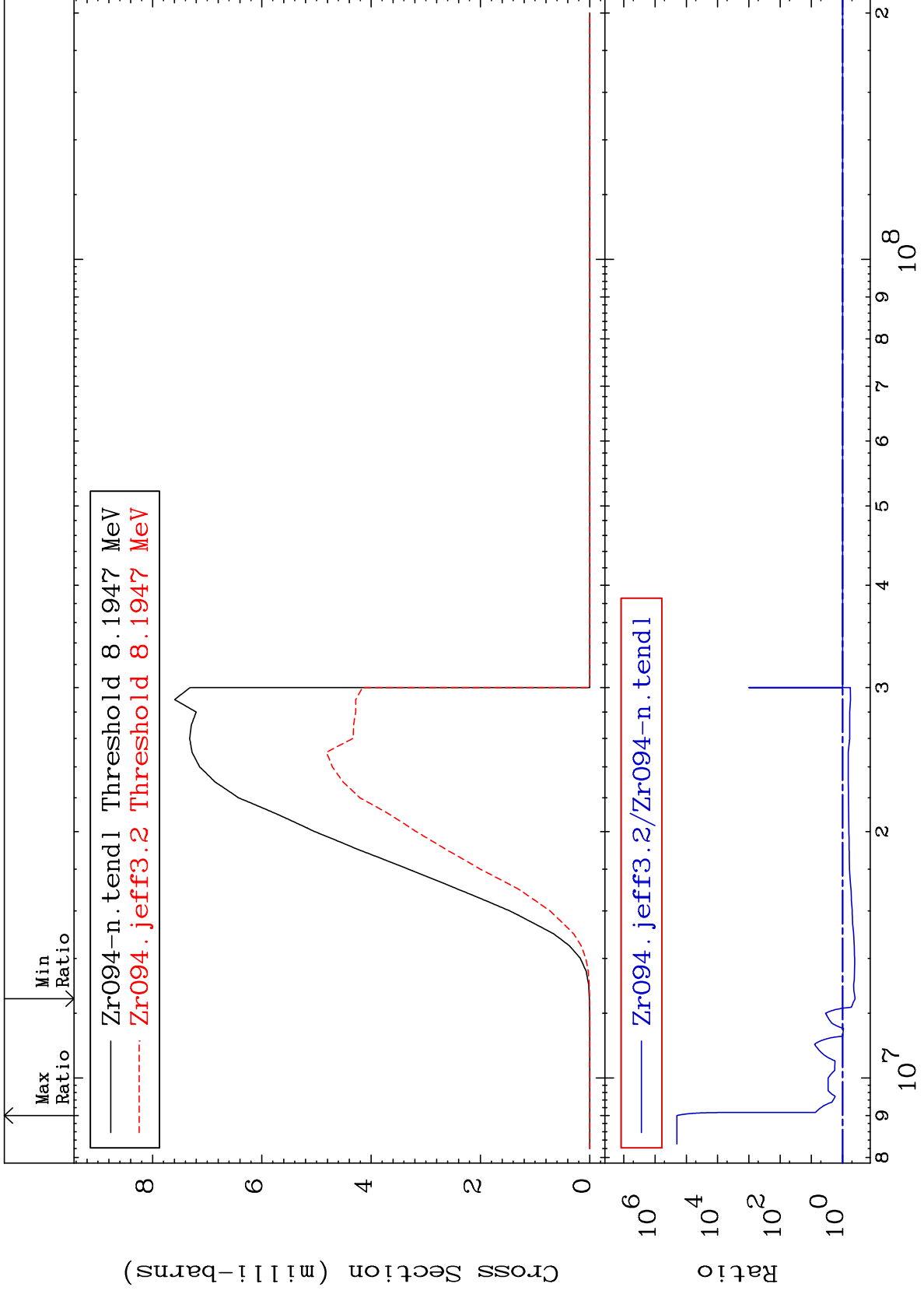


MAT 4037

(n, d):39-Y -93g

40-Zr-94

Radionuclide Production Cross Section -59.97 To 9999. %

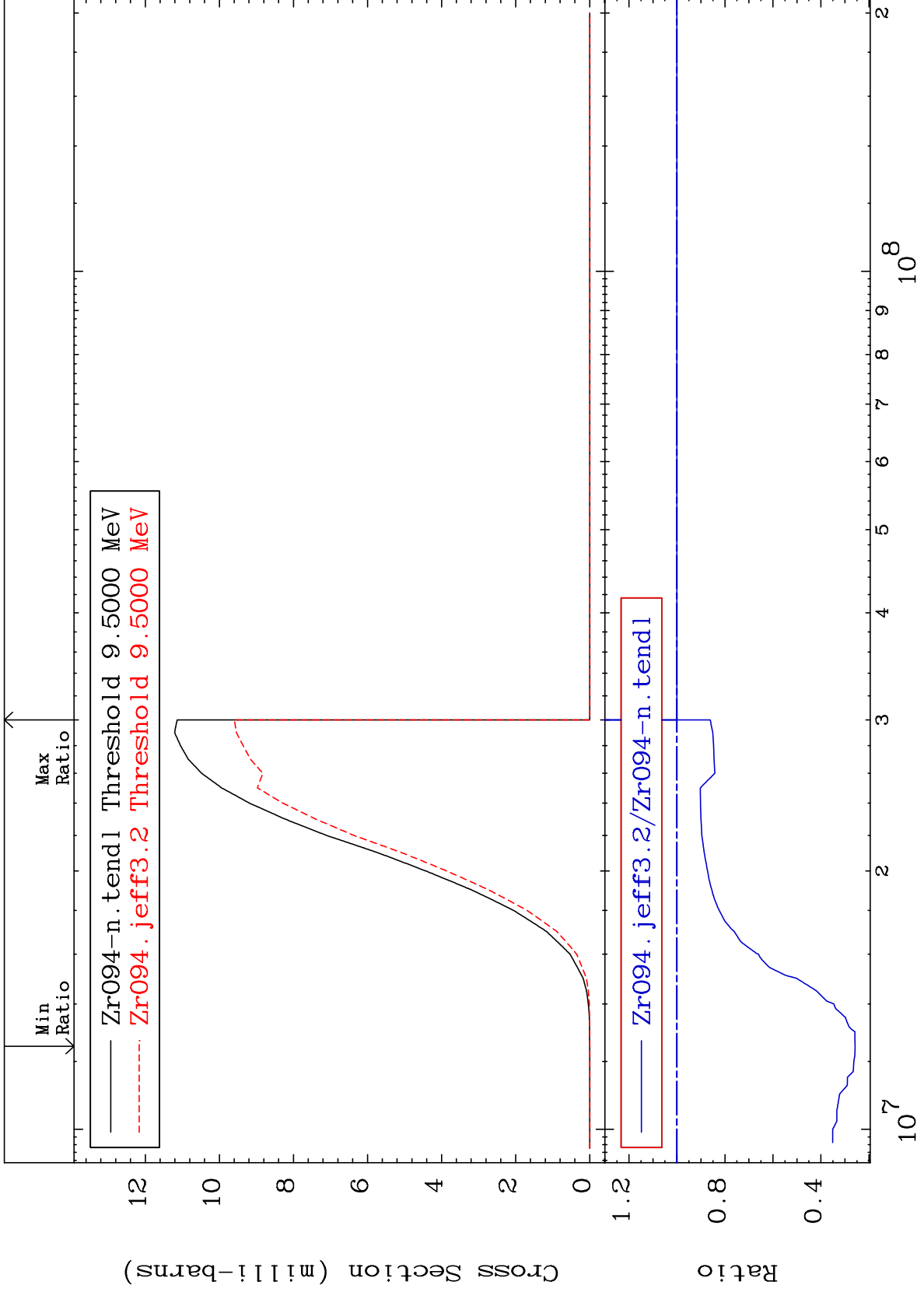


MAT 4037

(n, d) : 39-Y -93m2

40-Zr-94

Radionuclide Production Cross Section -74.25 To 0.000 %



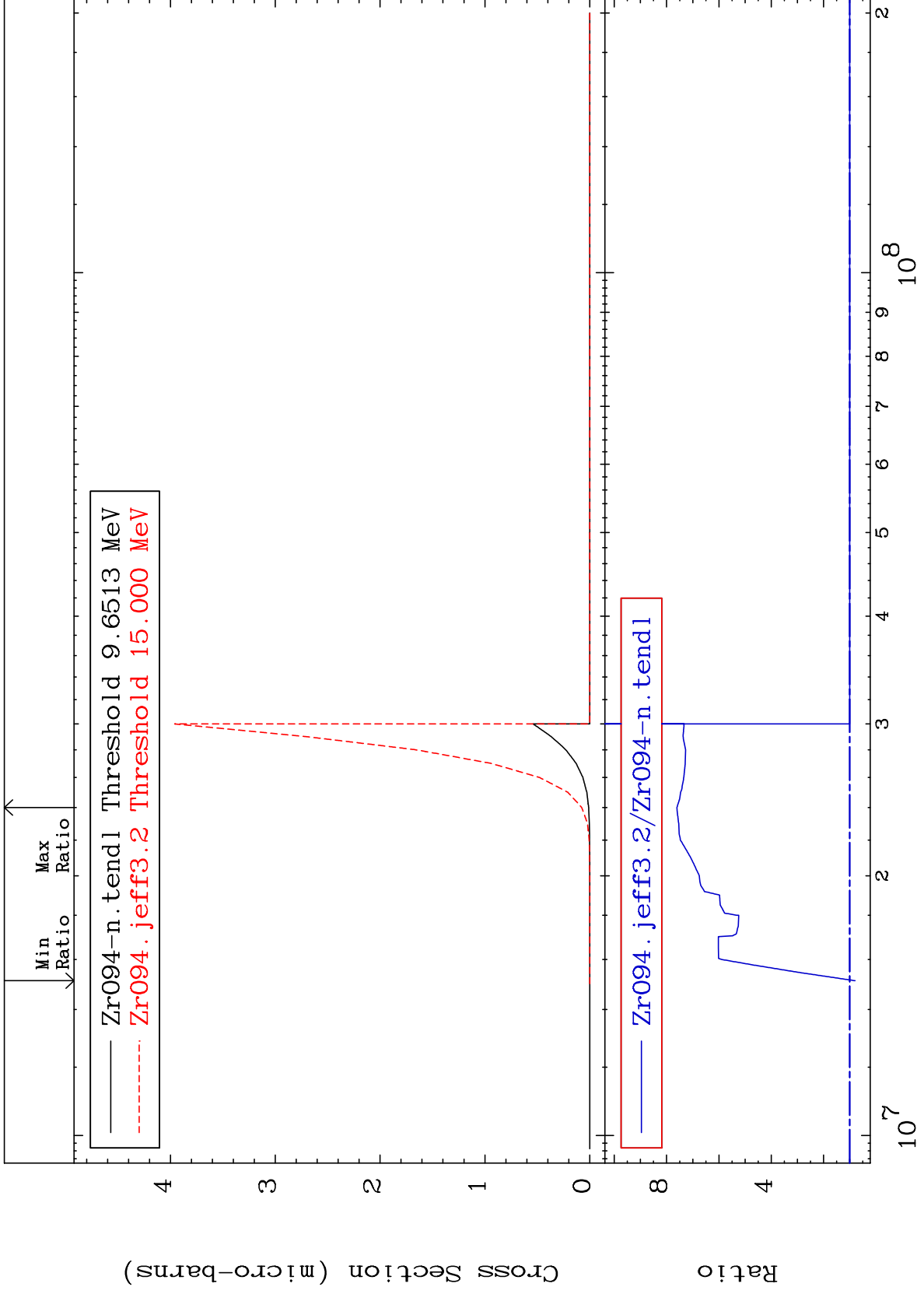
88

Incident Energy (eV)

40-Zr-94

MAT 4037

(n, p) α : 37-Rb-90g 40-Zr-94
Radionuclide Production Cross Section -20.43 To 660.6 %



MAT 4037

(n, p) α :37-Rb-90m1

40-Zr-94

Radionuclide Production Cross Section -99.59 To 1282. %

