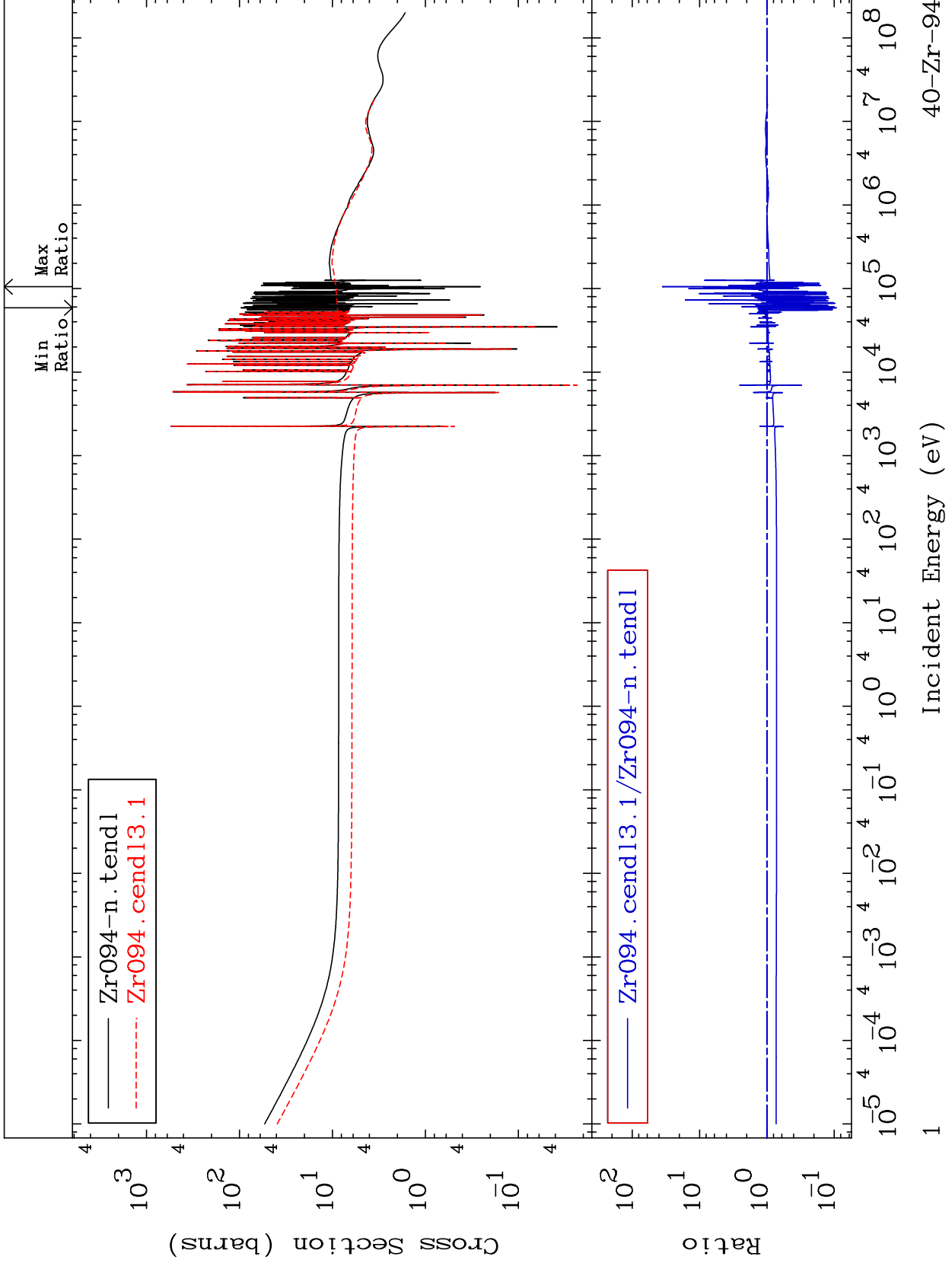


MAT 4037

Total  
Cross Section

40-Zr-94  
-90.79 To 3480. %



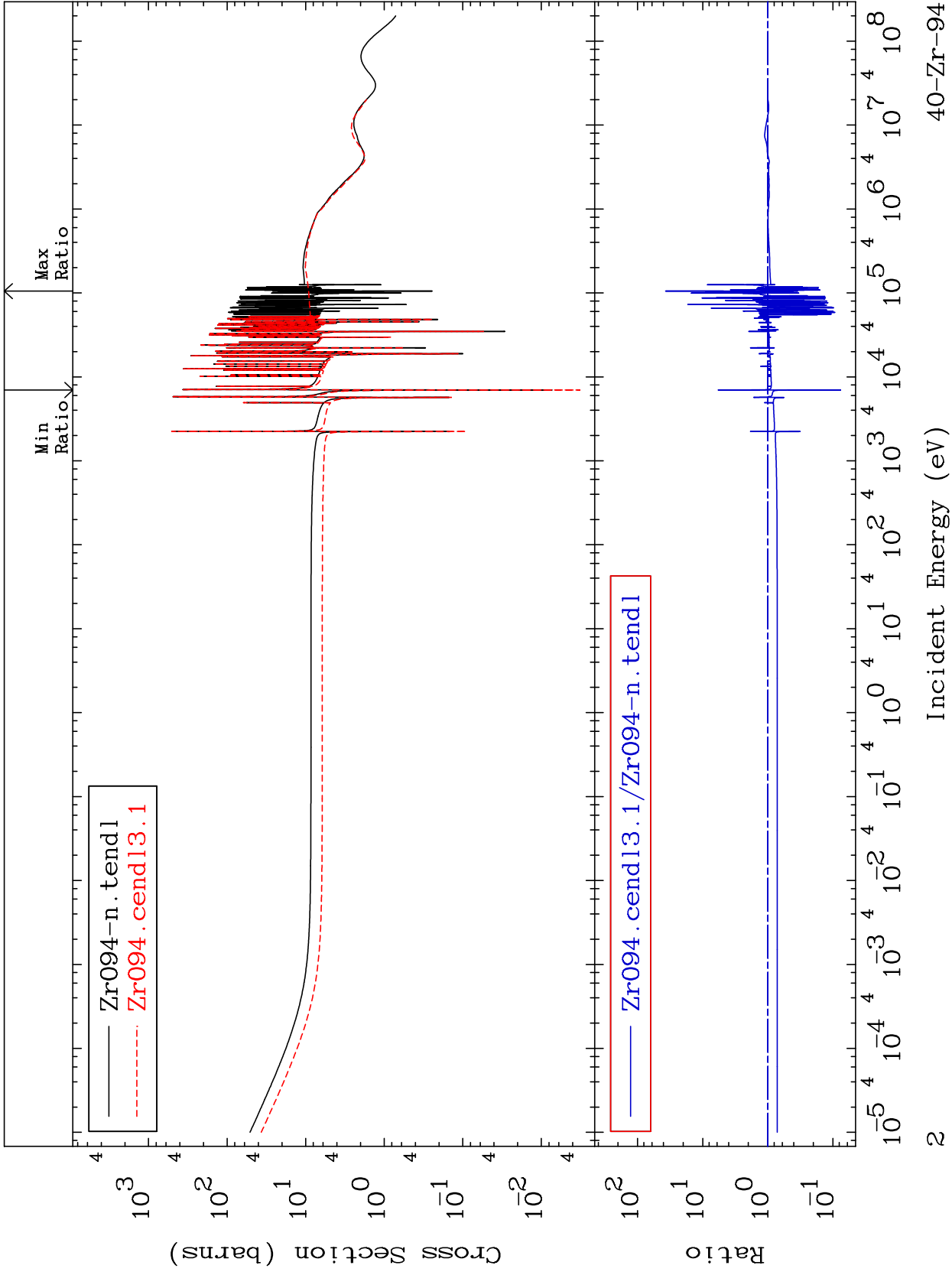
40-Zr-94

Incident Energy (eV)

MAT 4037

Elastic  
Cross Section

40-Zr-94  
-92.40 To 3629. %



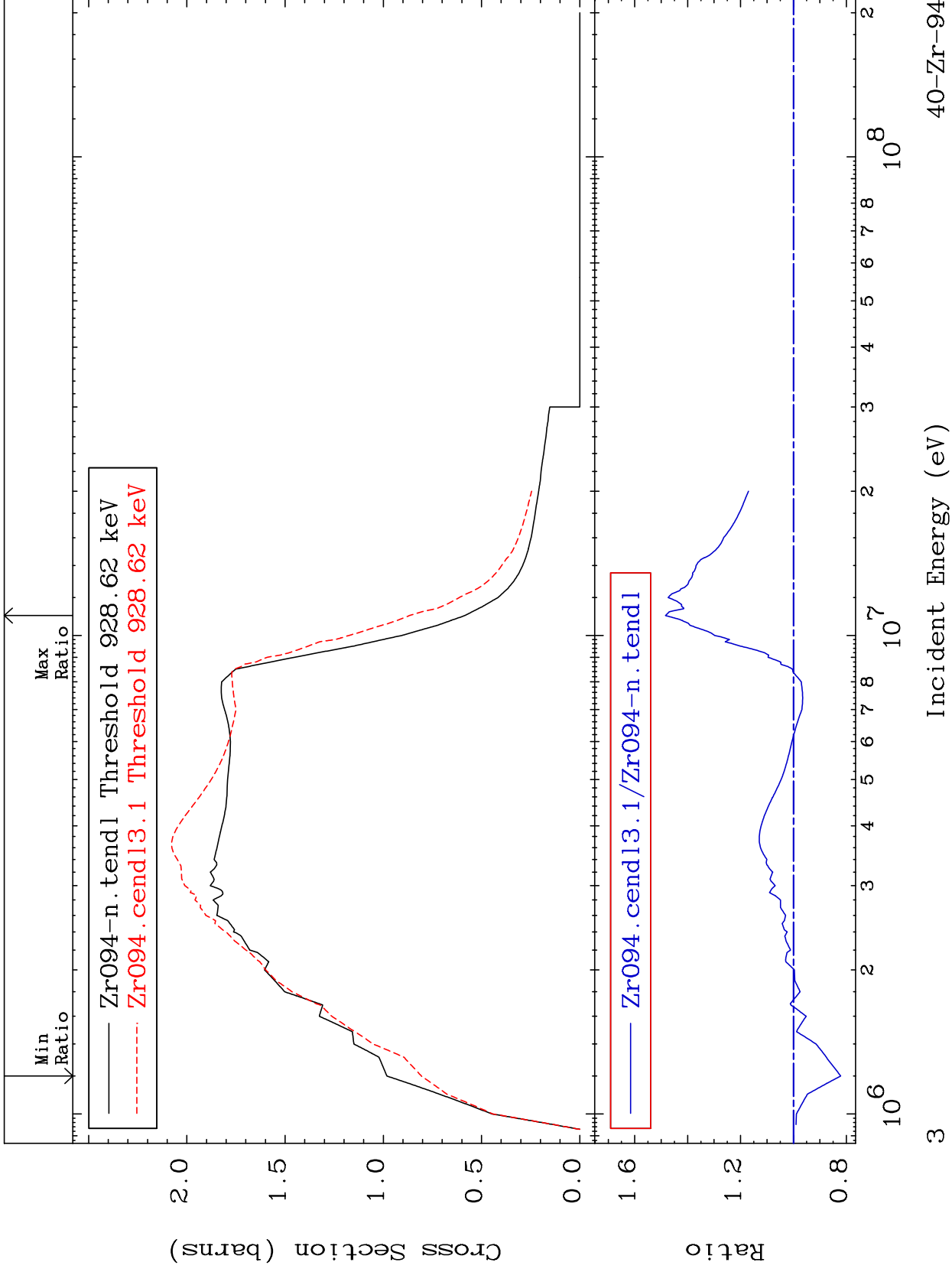
40-Zr-94

Incident Energy (eV)

2

MAT 4037

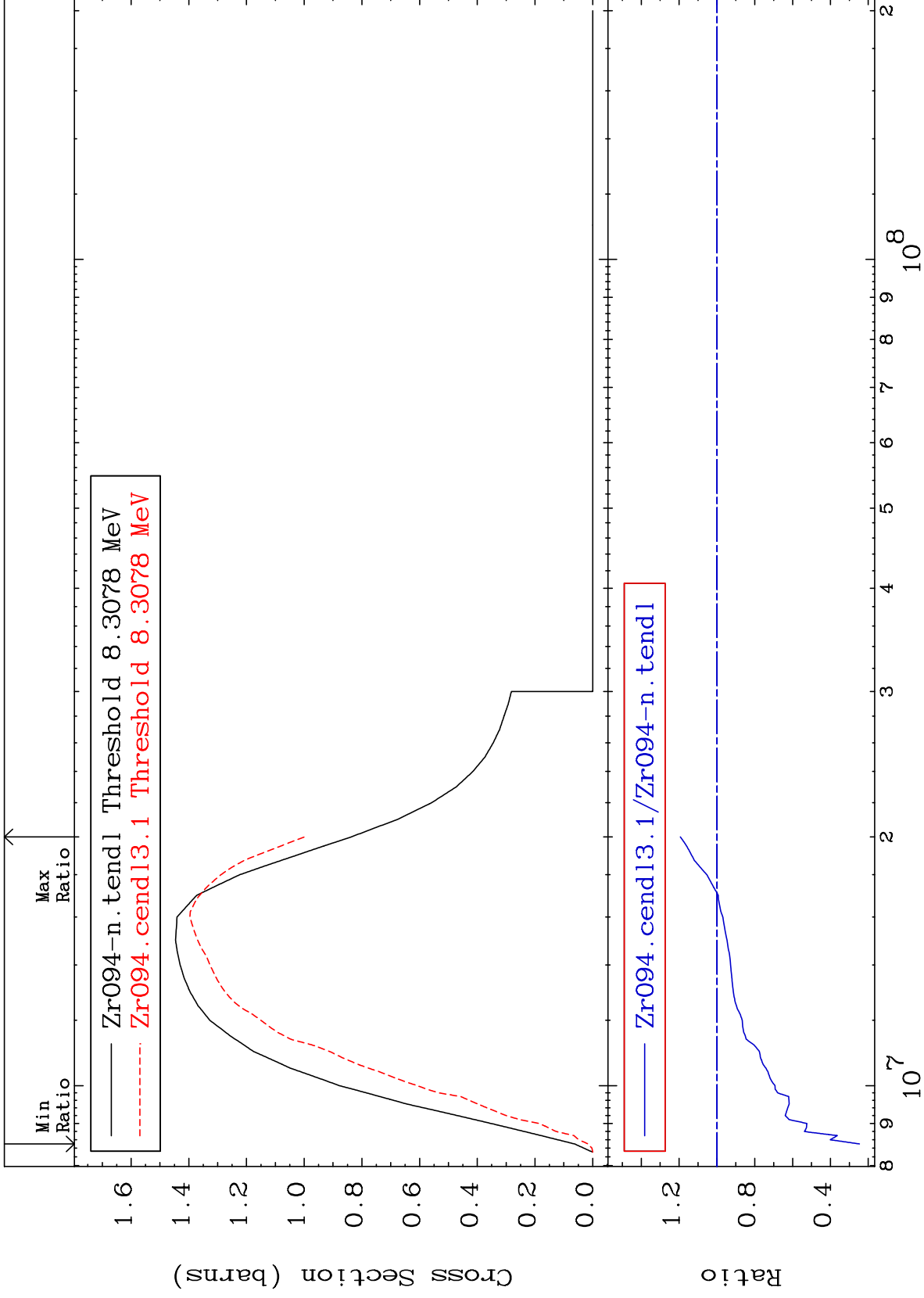
Inelastic Cross Section  
-17.85 To 48.37 %  
40-Zr-94



MAT 4037

(n,2n)  
Cross Section

40-Zr-94  
-75.32 To 19.34 %



Incident Energy (eV)

40-Zr-94

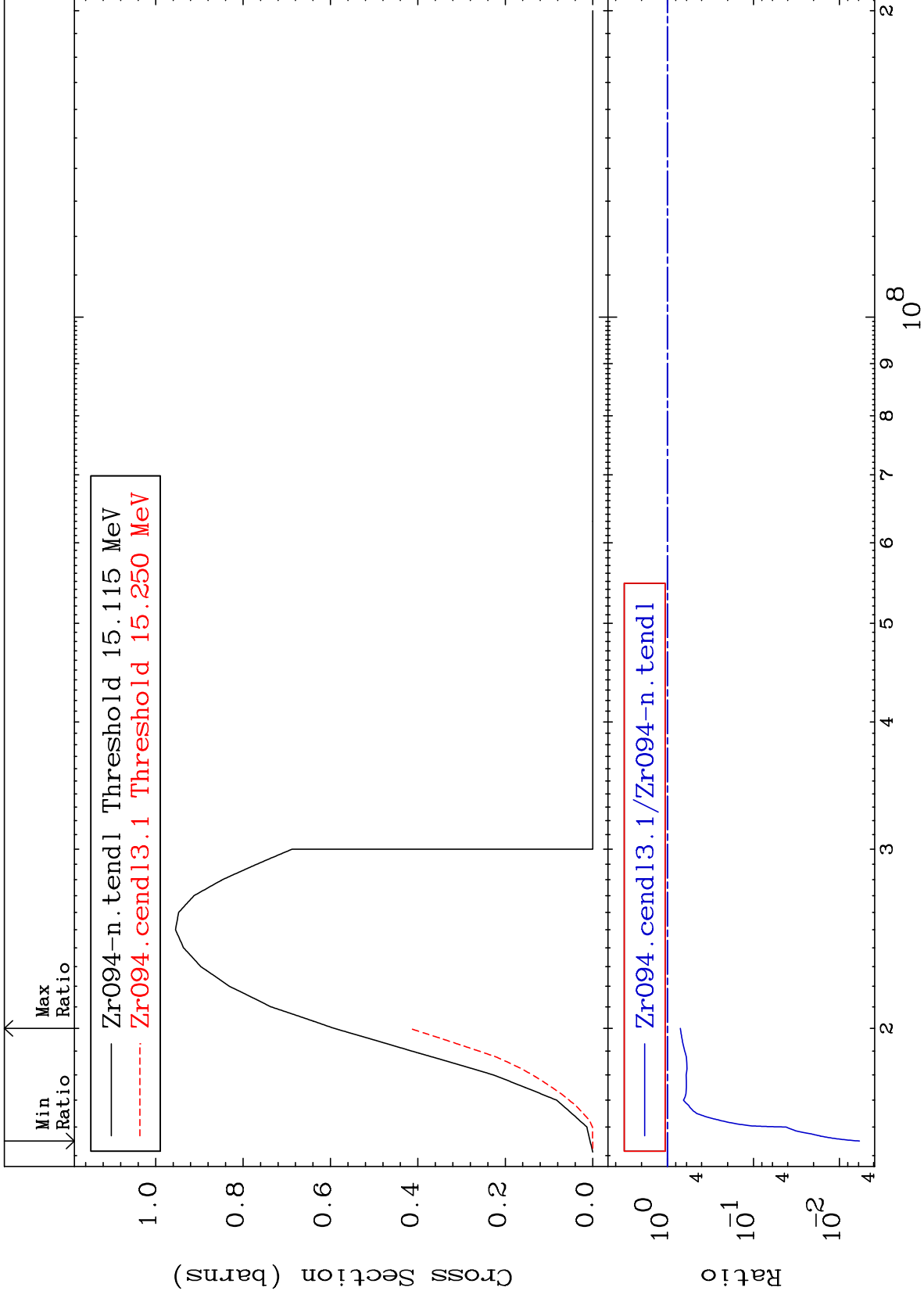
MAT 4037

(n,3n)

40-Zr-94

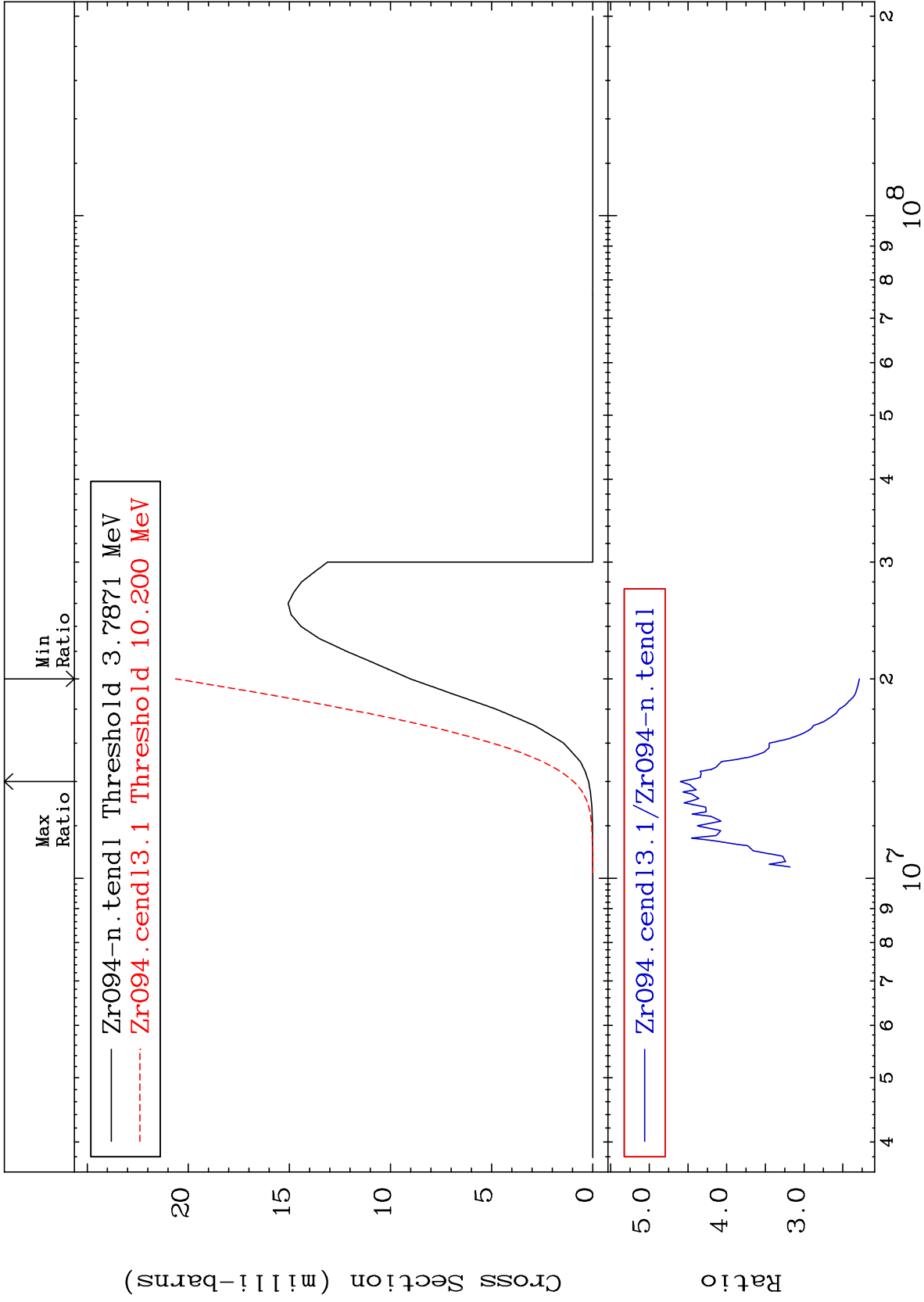
Cross Section

-99.41 To -29.23%



MAT 4037

(n, n')  $\alpha$   
Cross Section  
40-Zr-94  
128.5 To 359.9 %



6

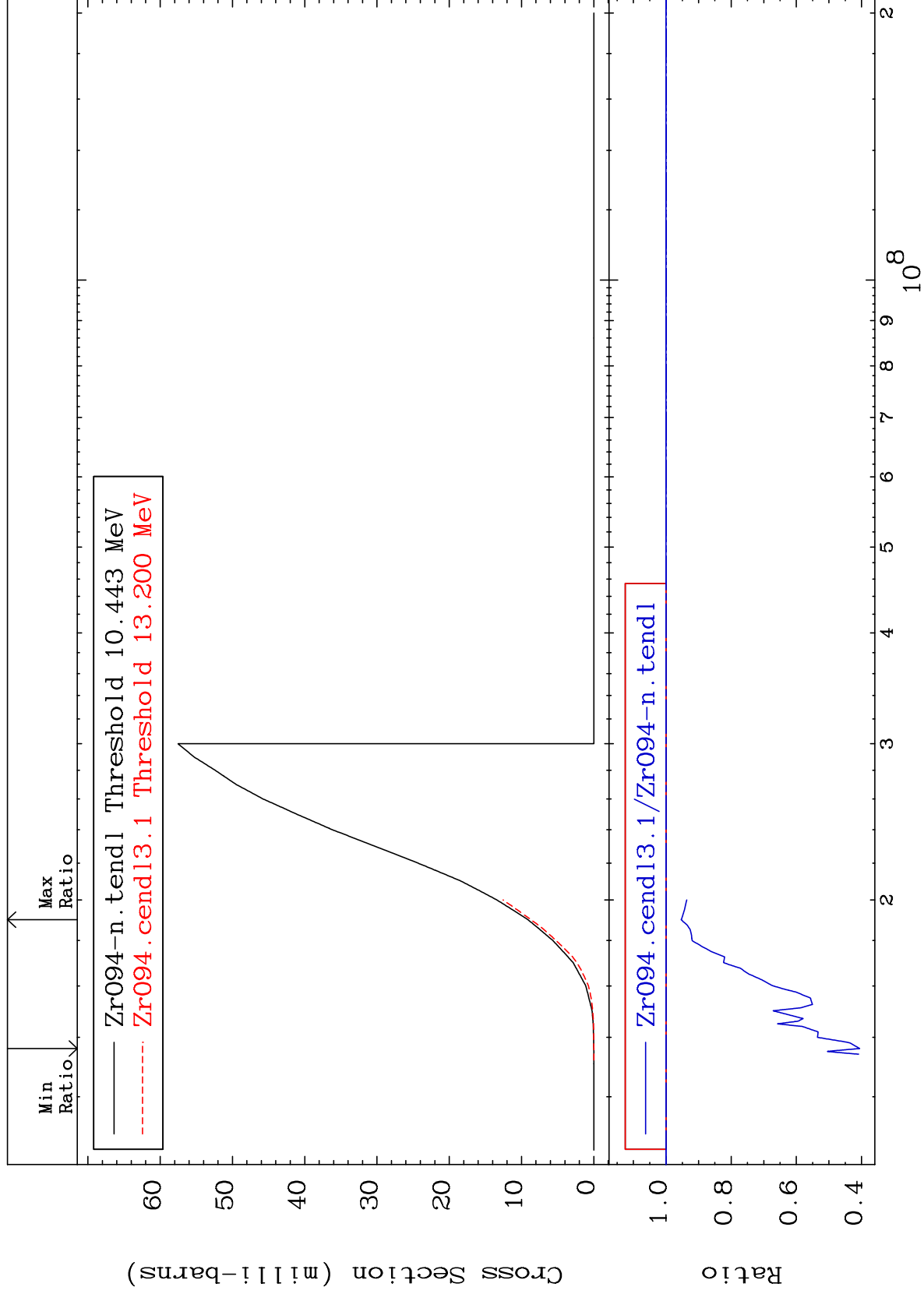
Incident Energy (eV)

40-Zr-94

MAT 4037

(n,n') p  
Cross Section

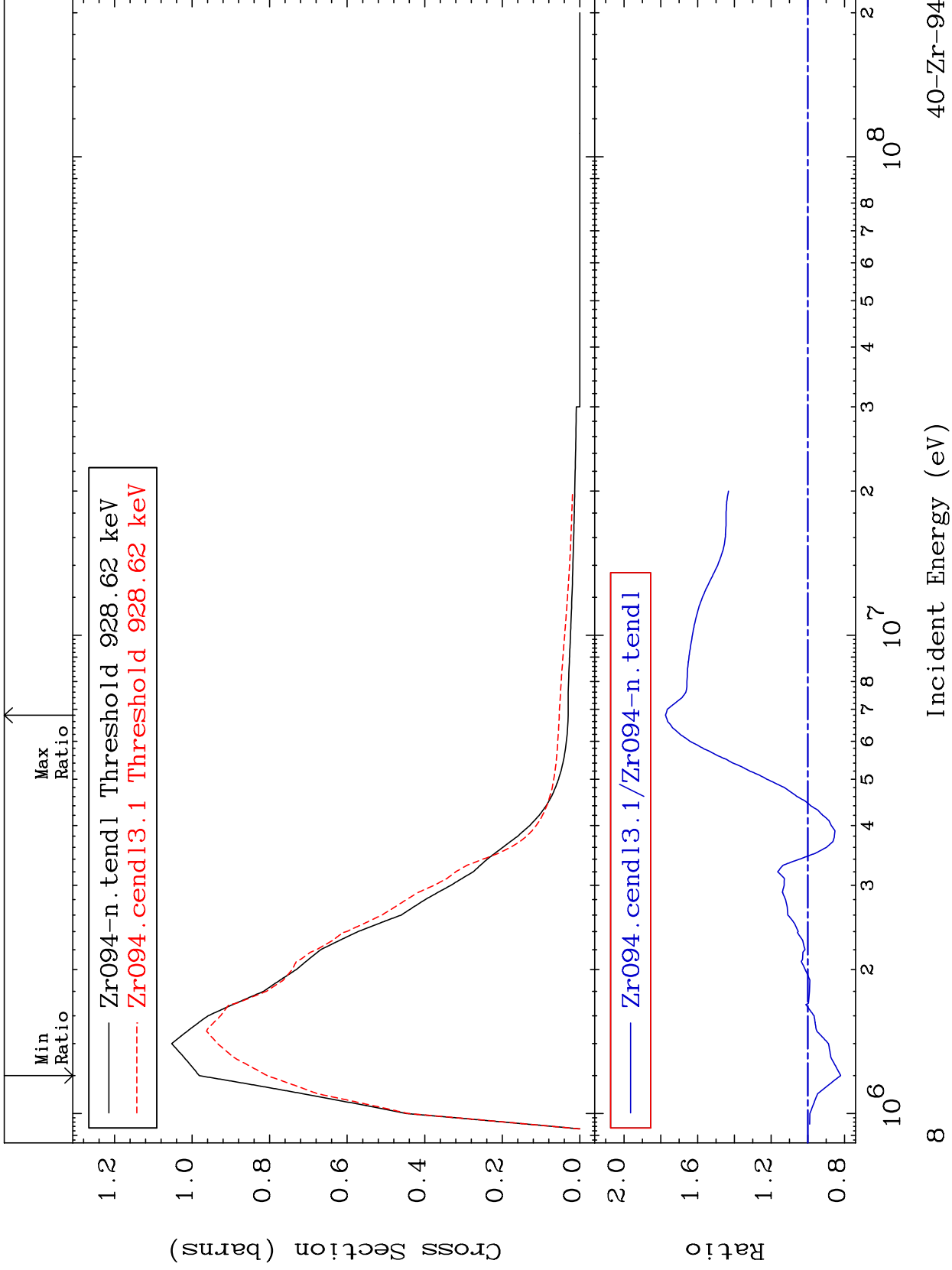
40-Zr-94  
-59.43 To -4.661%



MAT 4037

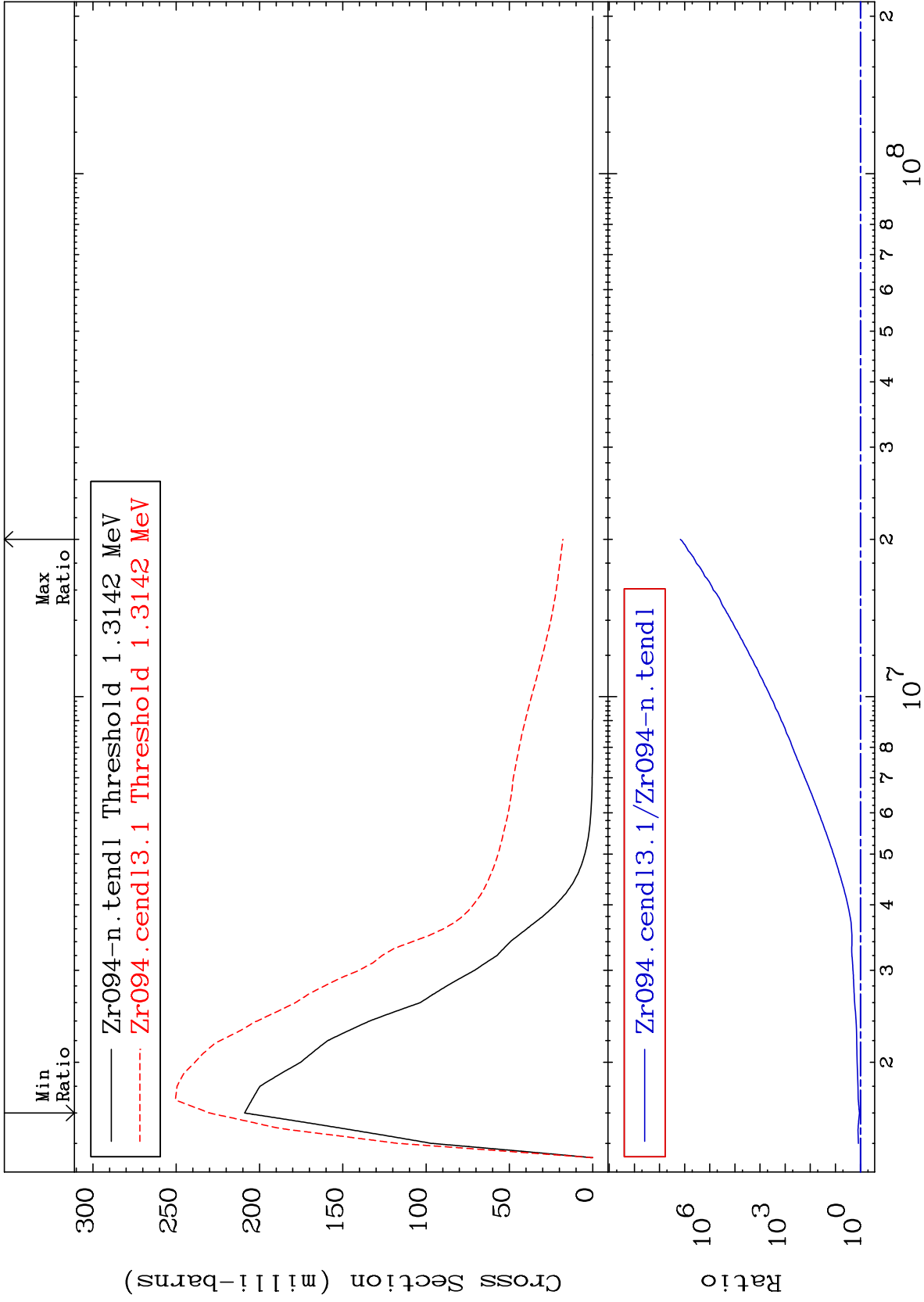
918.8 keV (n,n') Level  
Cross Section

40-Zr-94  
-17.85 To 77.46 %





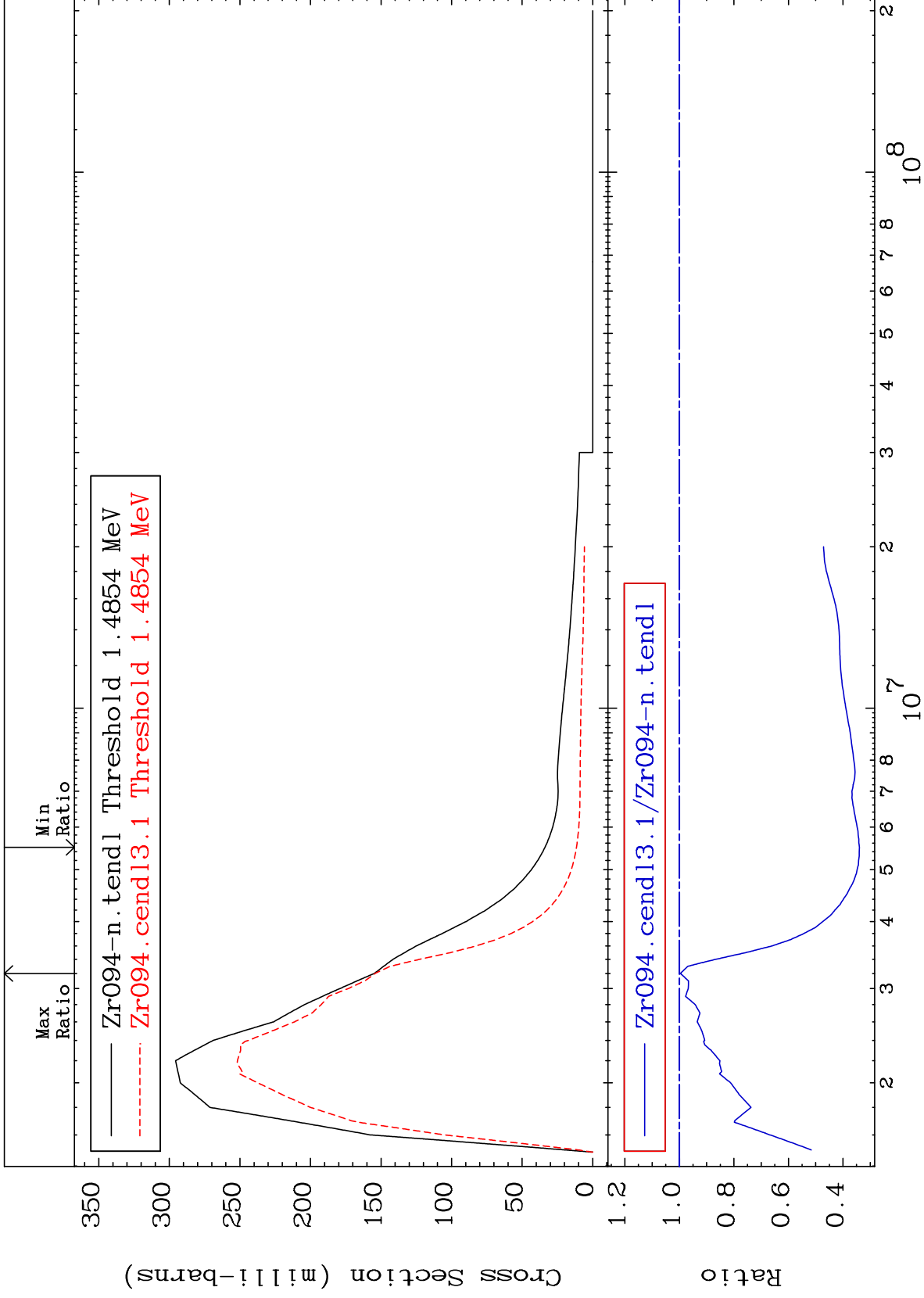
MAT 4037 1.300 MeV (n,n') Level Cross Section 40-Zr-94 10.11 To 9999. %



MAT 4037

1.470 MeV (n,n') Level  
Cross Section

40-Zr-94  
-66.04 To -0.356%



10

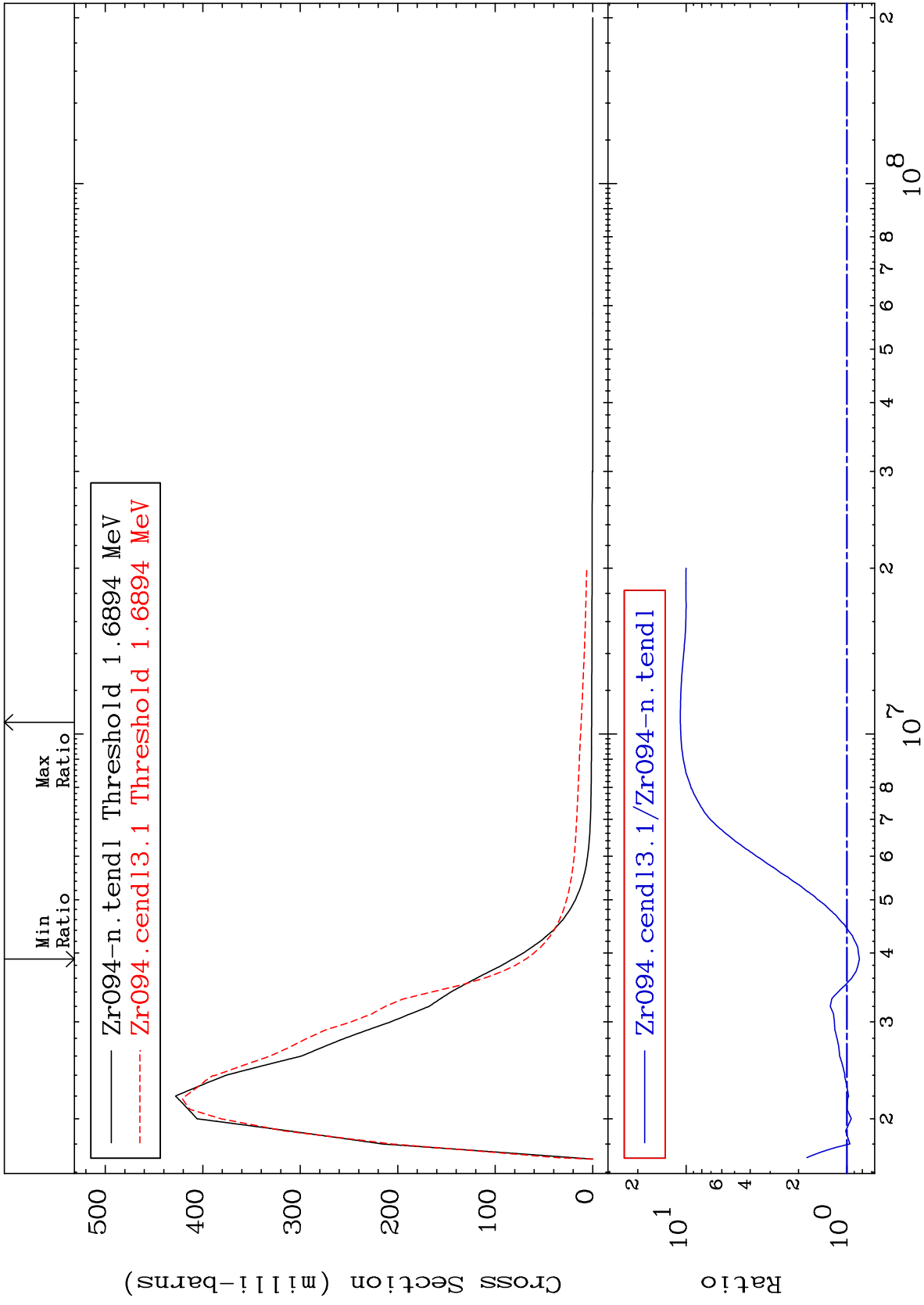
Incident Energy (eV)

40-Zr-94

MAT 4037

1.671 MeV (n,n') Level  
Cross Section

40-Zr-94  
-16.50 To 986.2 %



11

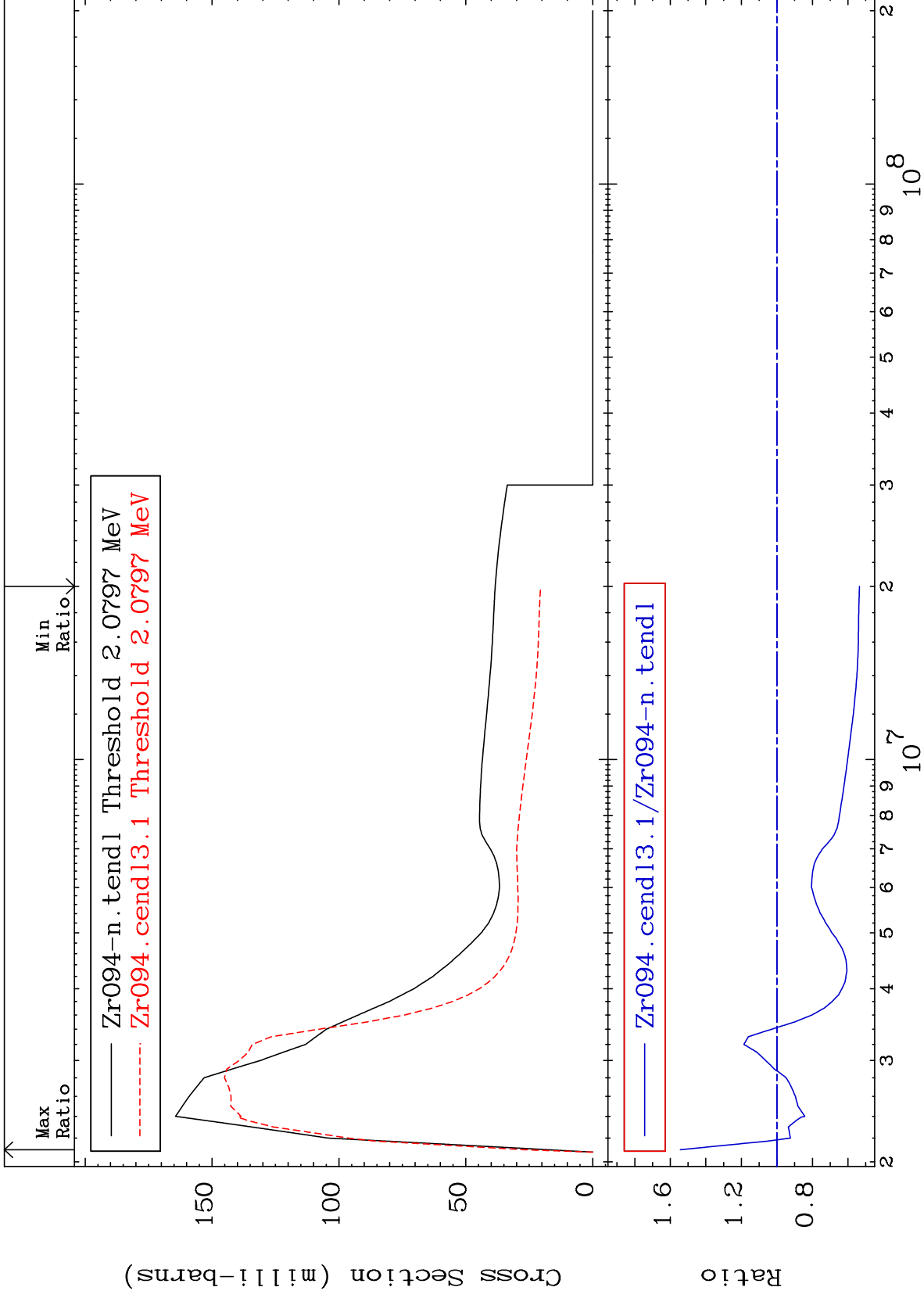
Incident Energy (eV)

40-Zr-94

MAT 4037

2.058 MeV (n,n') Level  
Cross Section

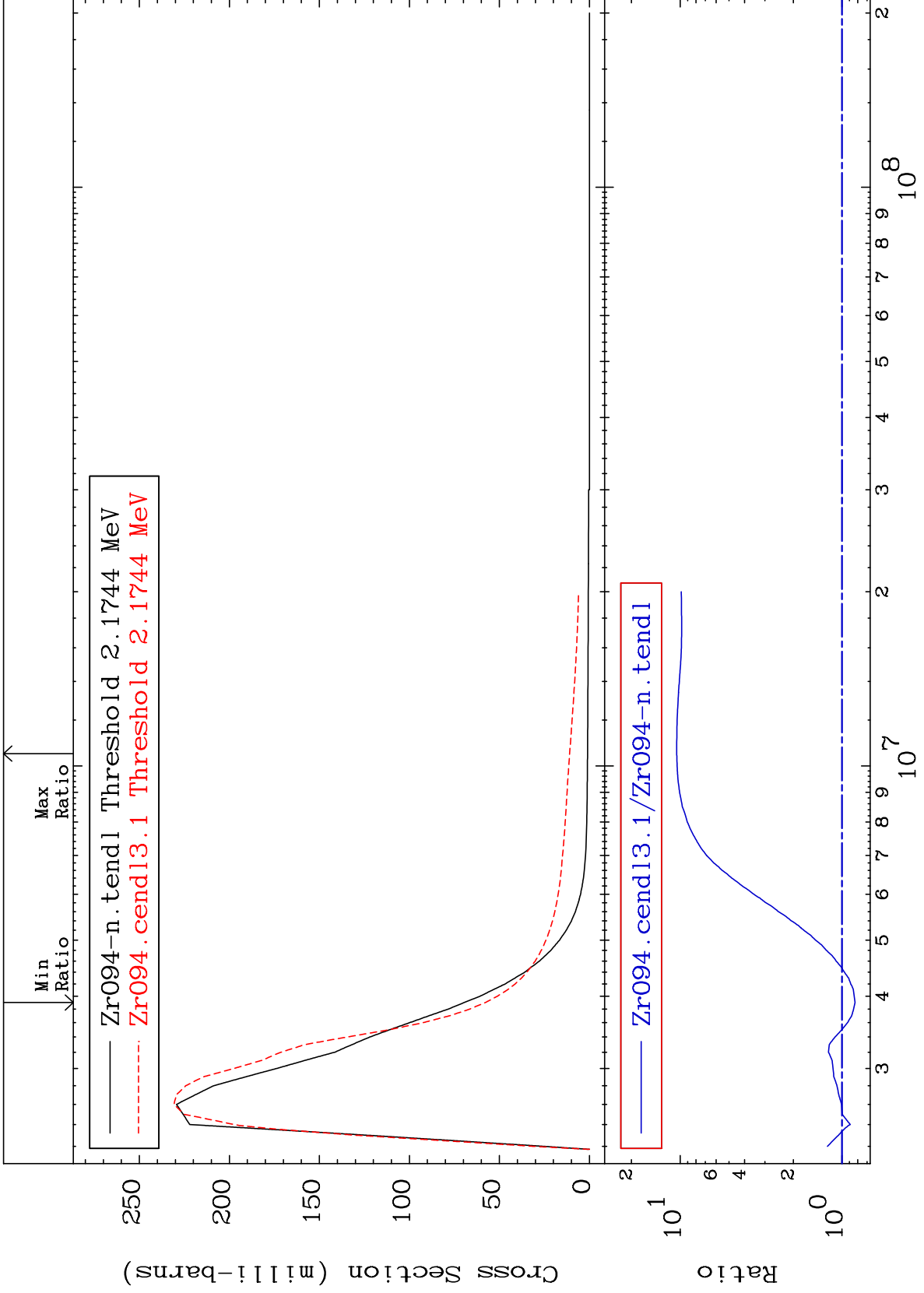
40-Zr-94  
-46.45 To 54.35 %



MAT 4037

2.151 MeV (n,n') Level  
Cross Section

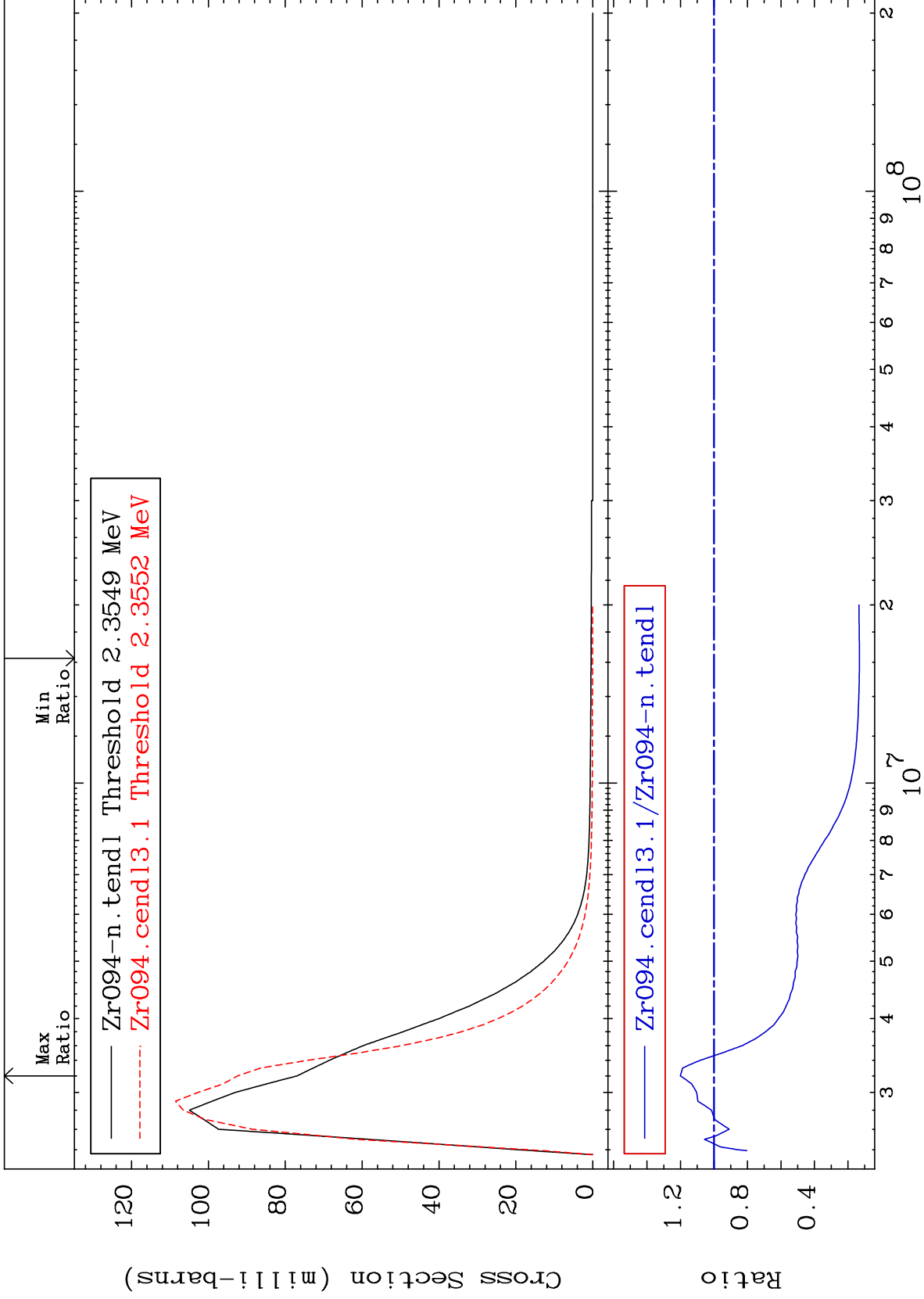
40-Zr-94  
-16.90 To 951.0 %



MAT 4037

2.330 MeV (n,n') Level  
Cross Section

40-Zr-94  
-86.86 To 20.09 %



14

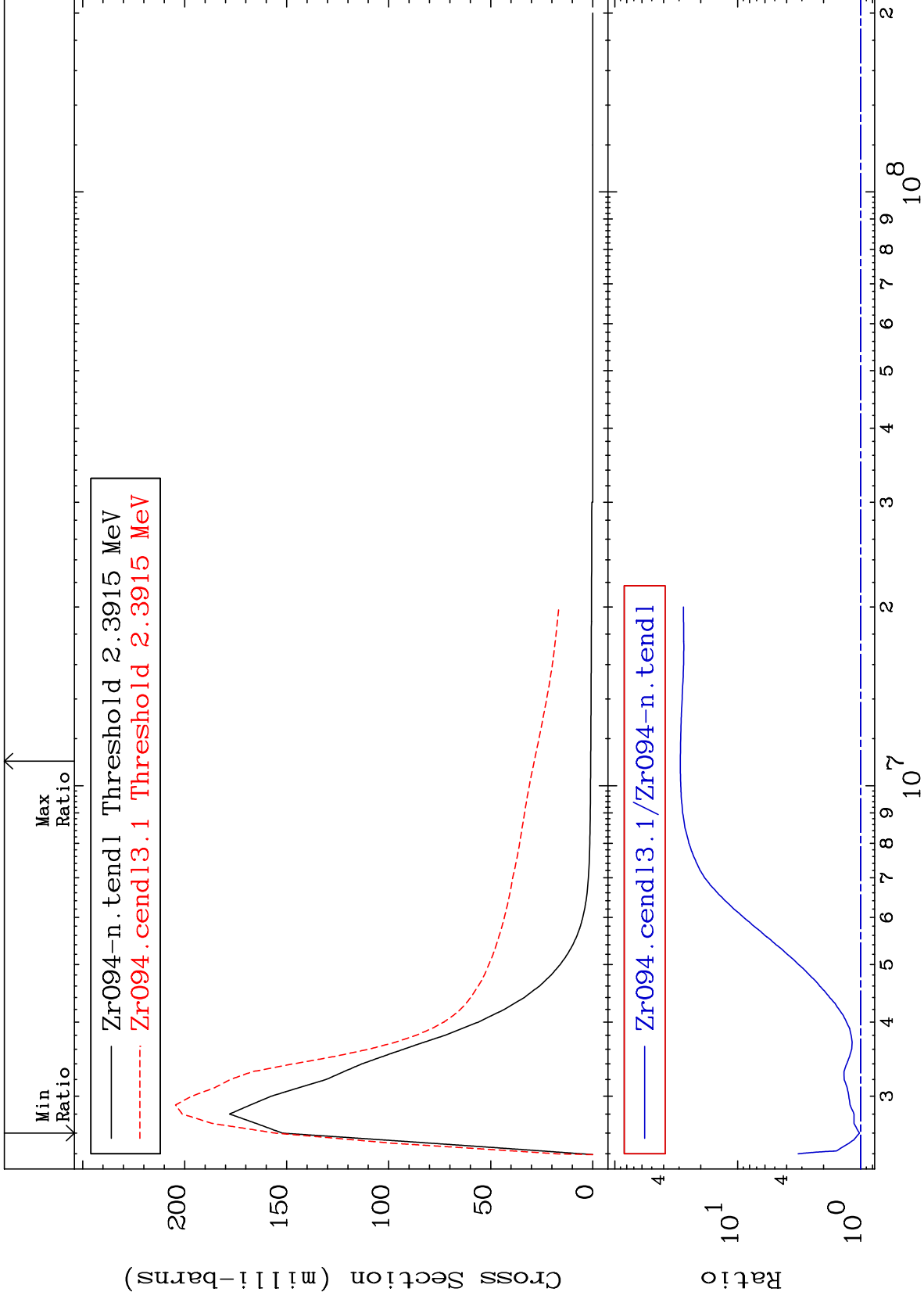
Incident Energy (eV)

40-Zr-94

MAT 4037

2.366 MeV (n,n') Level  
Cross Section

40-Zr-94  
2.205 To 2826. %



15

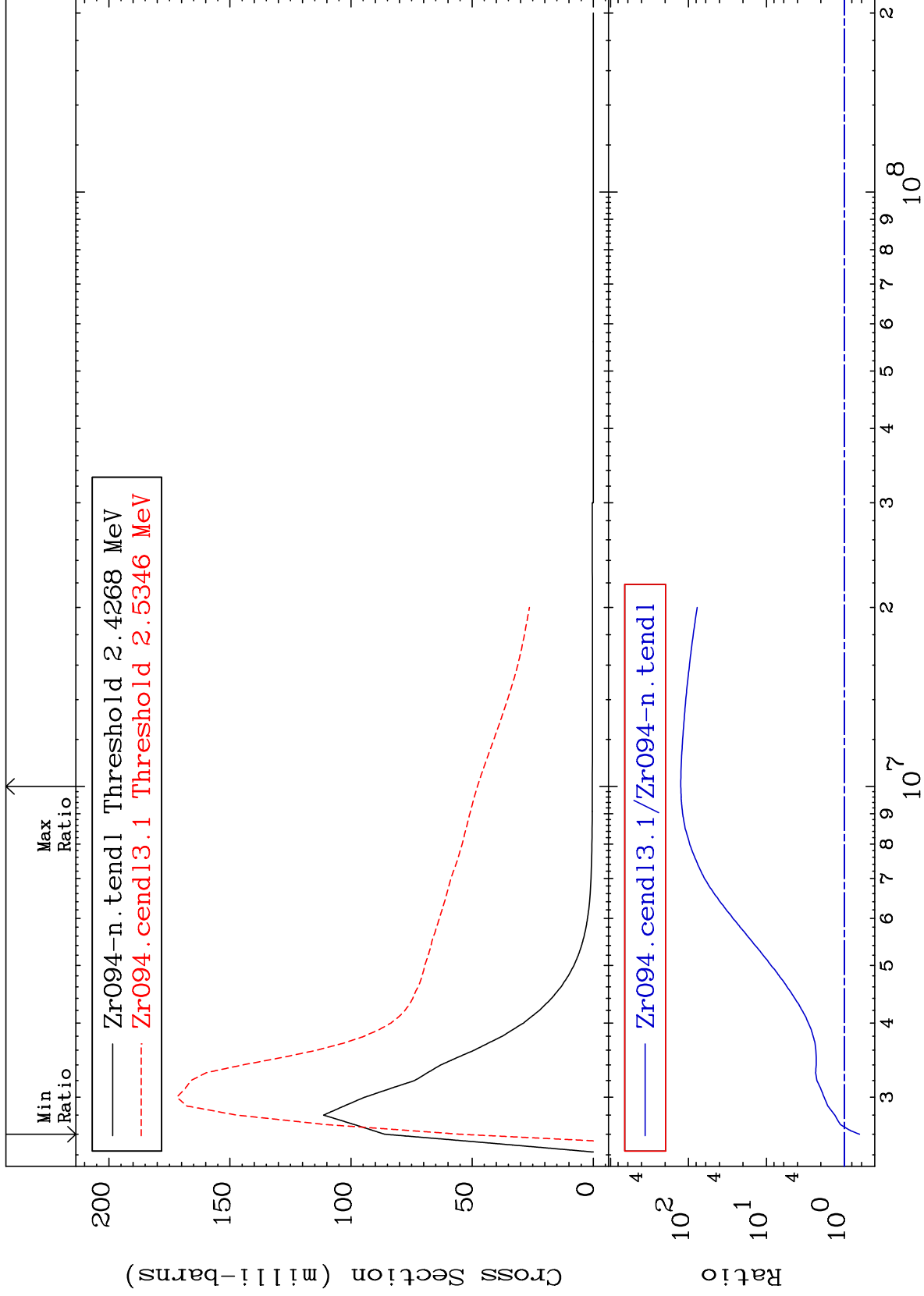
40-Zr-94

40-Zr-94

MAT 4037

2.401 MeV (n,n') Level  
Cross Section

40-Zr-94  
-36.12 To 9999. %



16

Incident Energy (eV)

40-Zr-94



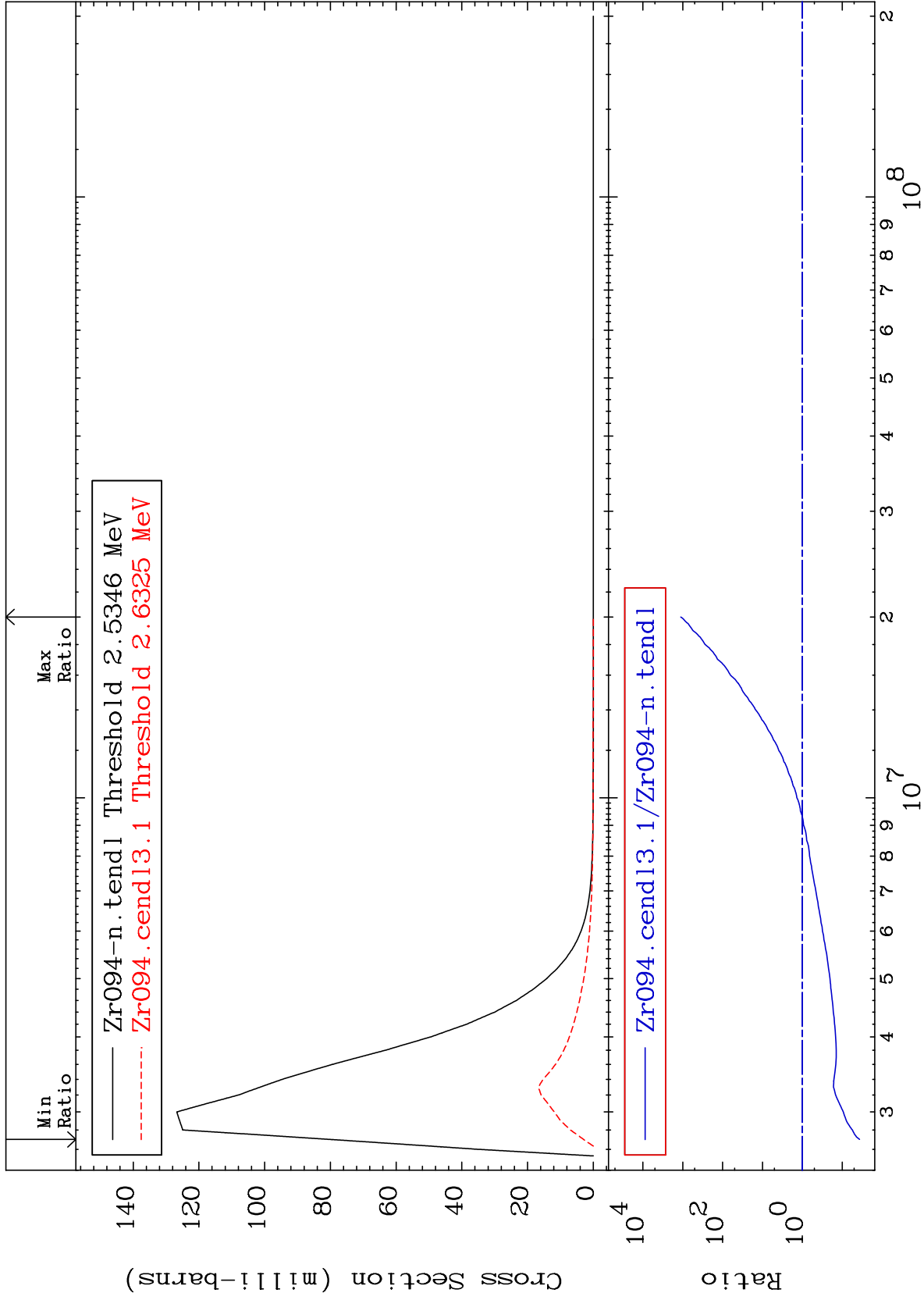
MAT 4037

2.508 MeV (n,n') Level

40-Zr-94

-96.33 To 9999. %

Cross Section



17

Incident Energy (eV)

40-Zr-94

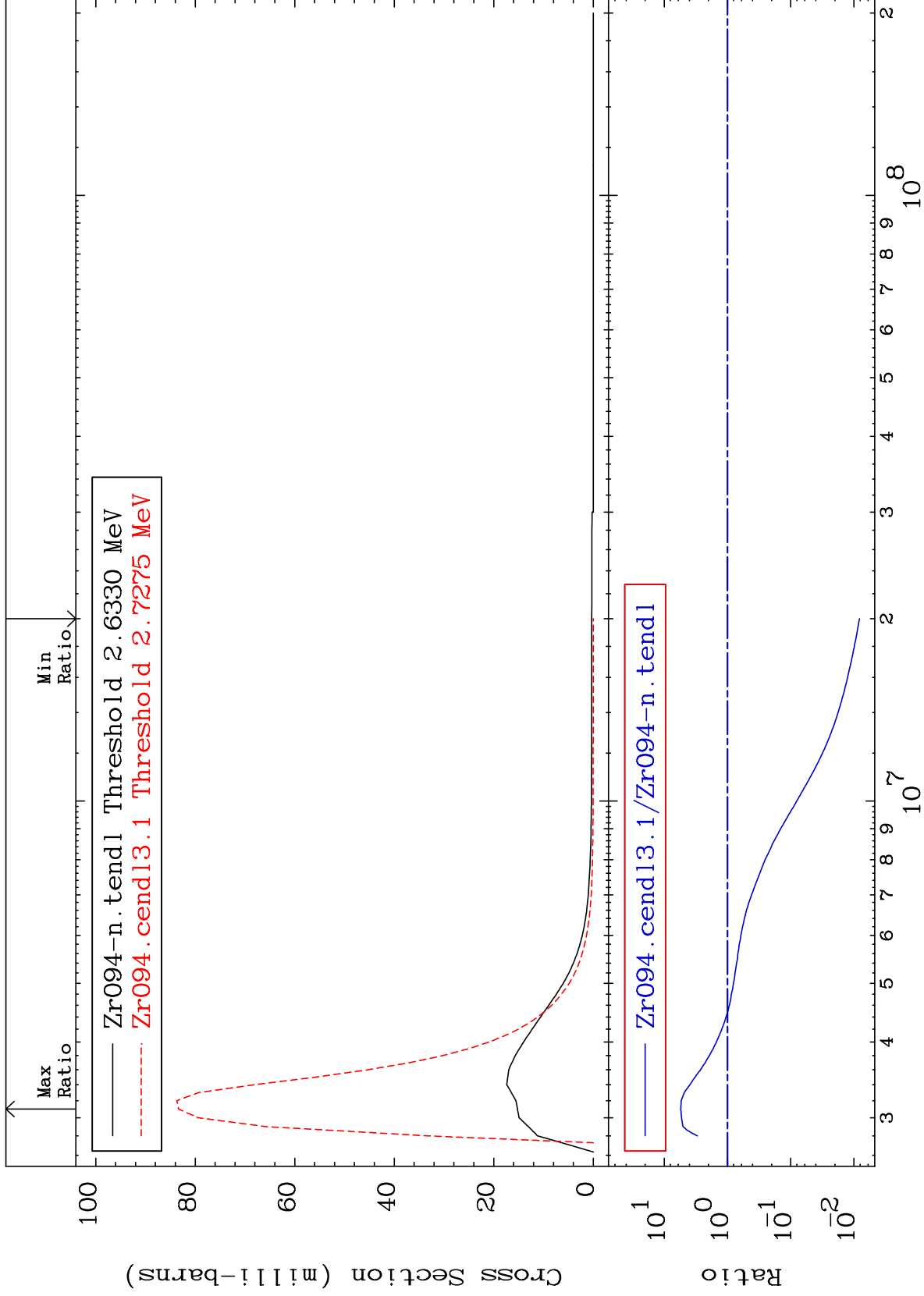
MAT 4037

2.605 MeV (n,n') Level

40-Zr-94

-99.18 To 447.4 %

Cross Section



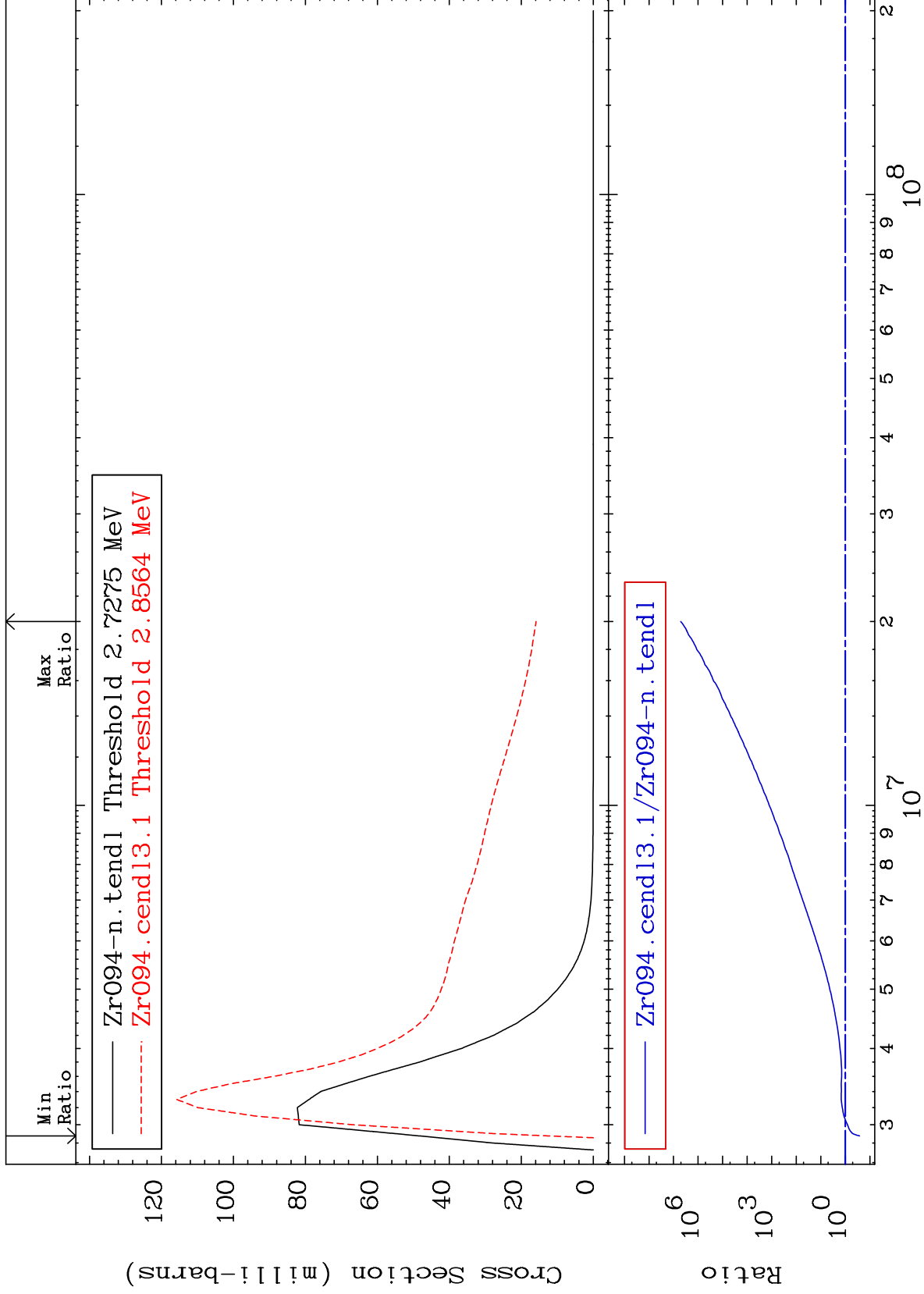
MAT 4037

2.698 MeV (n,n') Level

40-Zr-94

-73.63 To 9999. %

Cross Section



19

Incident Energy (eV)

40-Zr-94

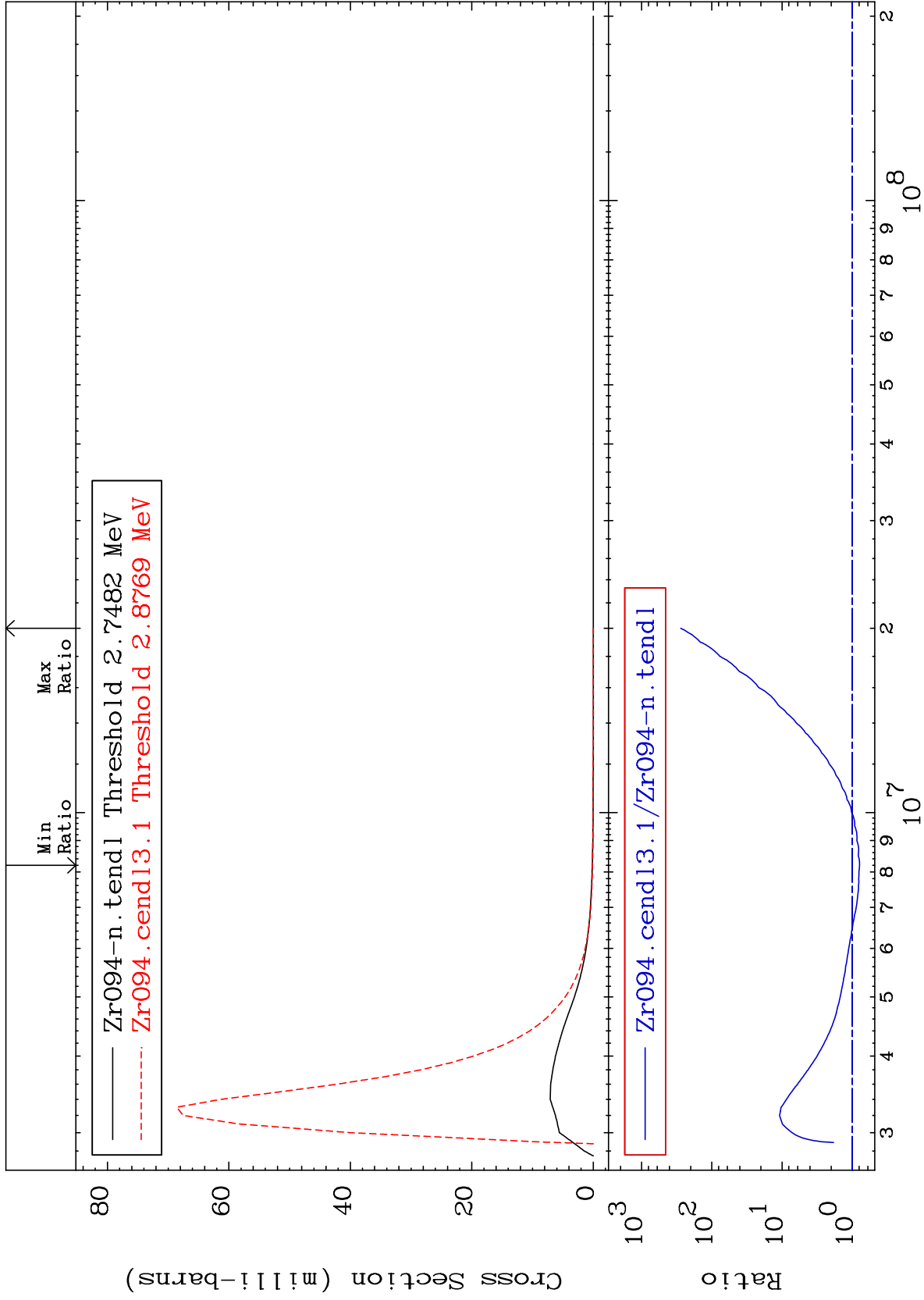
MAT 4037

2.719 MeV (n,n') Level

40-Zr-94

-21.22 To 9999. %

Cross Section



20

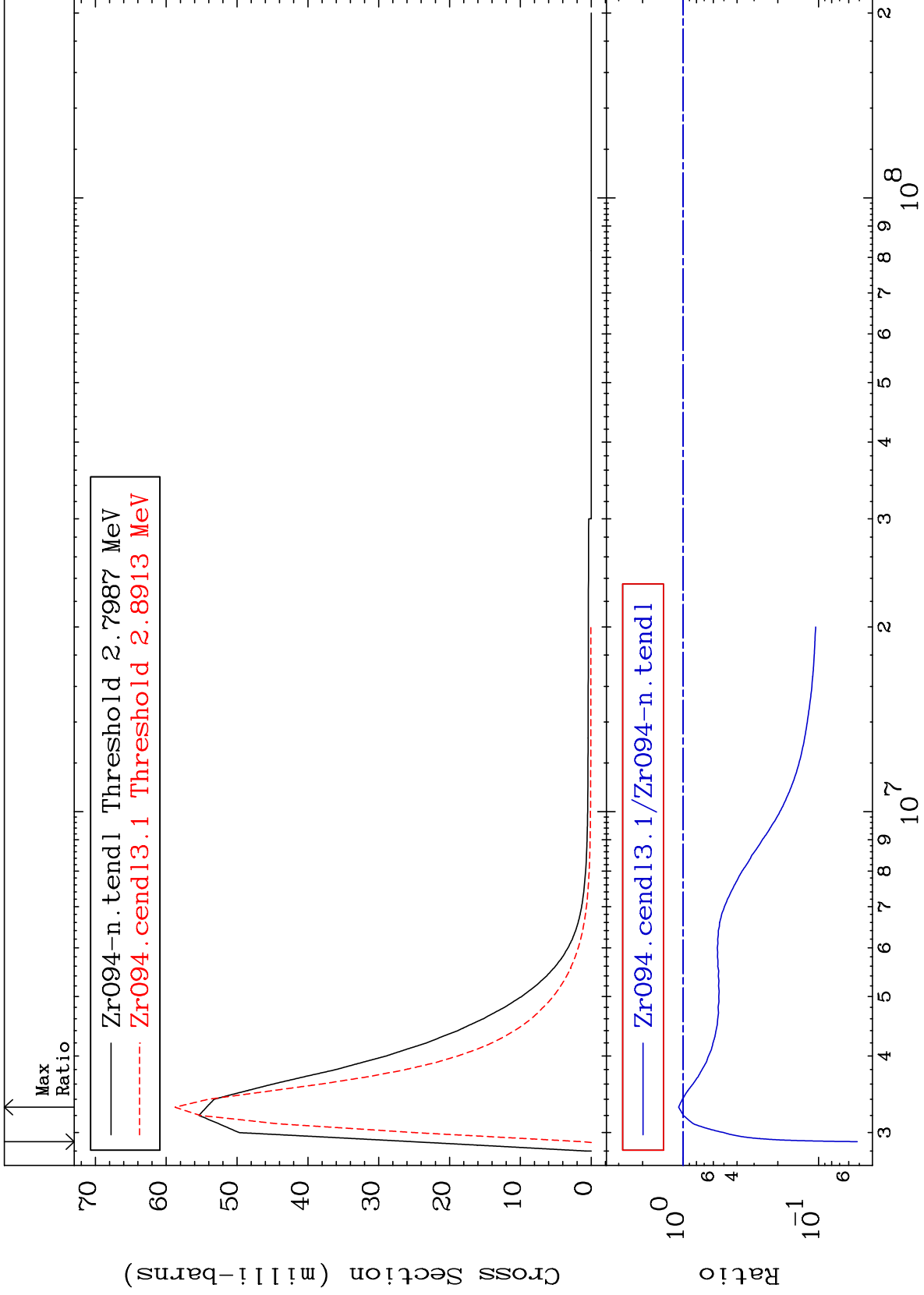
Incident Energy (eV)

40-Zr-94

MAT 4037

2.769 MeV (n,n') Level  
Cross Section

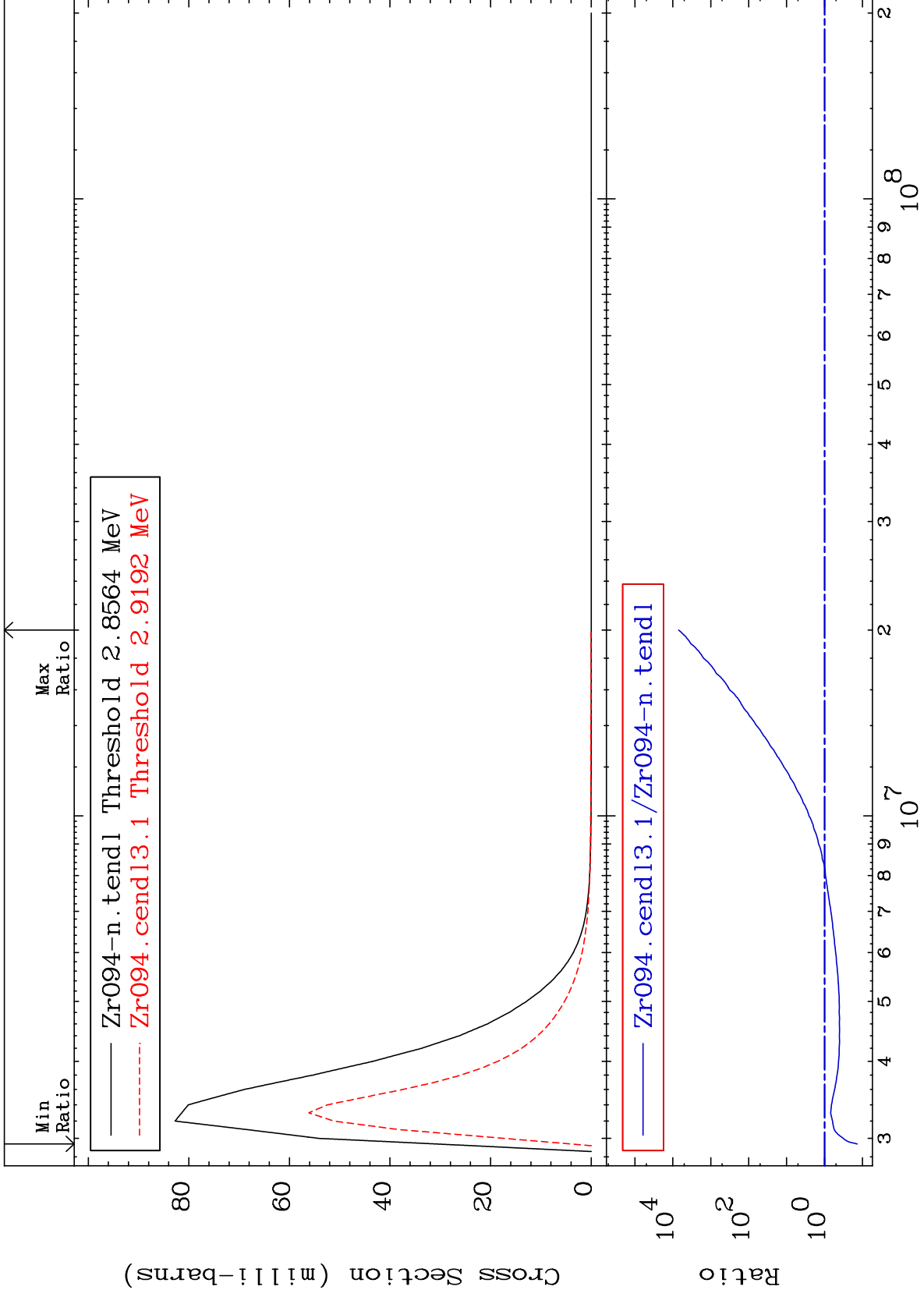
40-Zr-94  
-94.82 To 8.188 %



MAT 4037

2.826 MeV (n,n') Level  
Cross Section

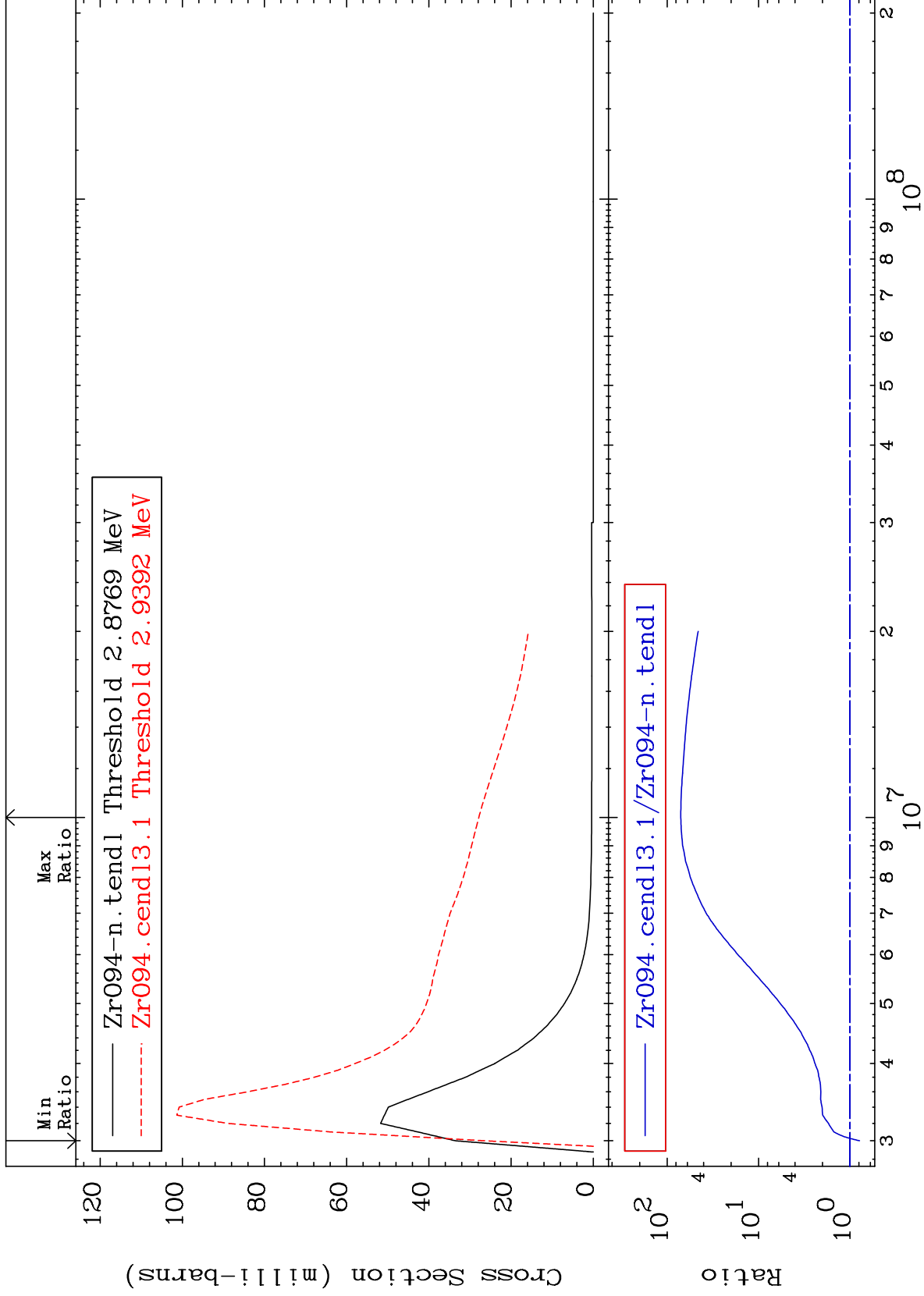
40-Zr-94  
-86.25 To 9999. %



MAT 4037

2.846 MeV (n,n') Level  
Cross Section

40-Zr-94  
-21.33 To 6996. %





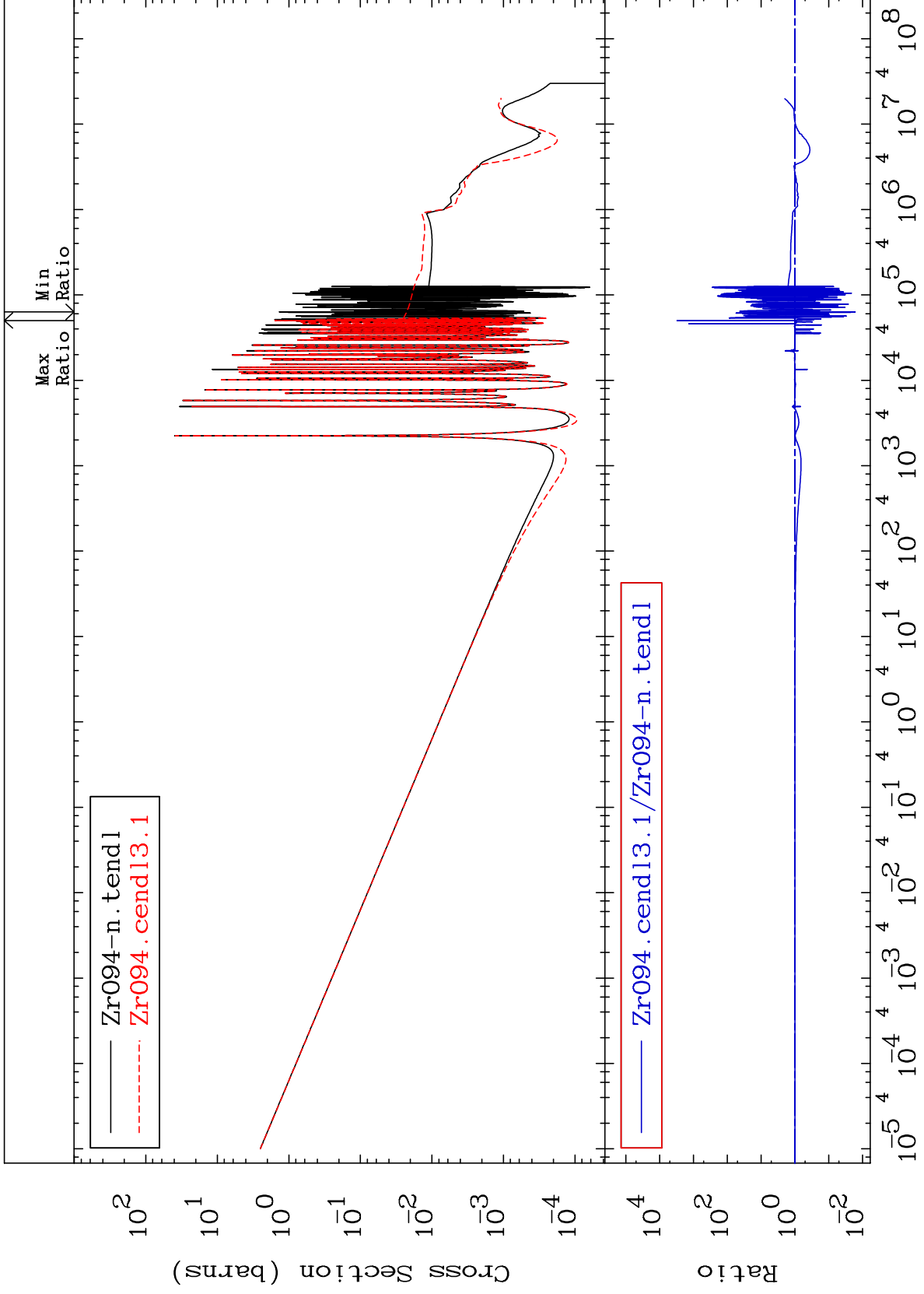


MAT 4037

(n,  $\gamma$ )

Cross Section

40-Zr-94  
-98.34 To 9999. %



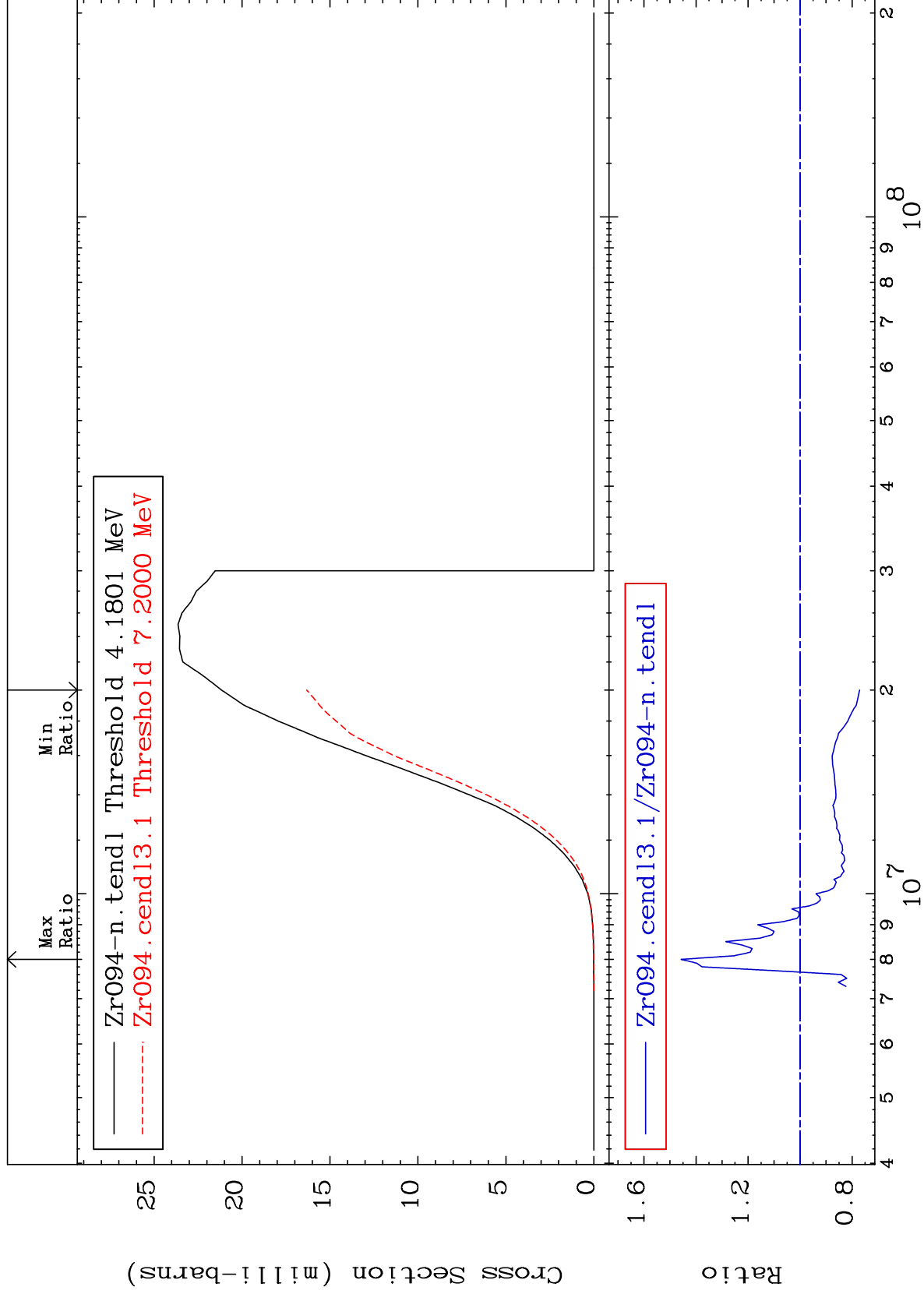
MAT 4037

(n,p)

40-Zr-94

Cross Section

-22.91 To 45.70 %



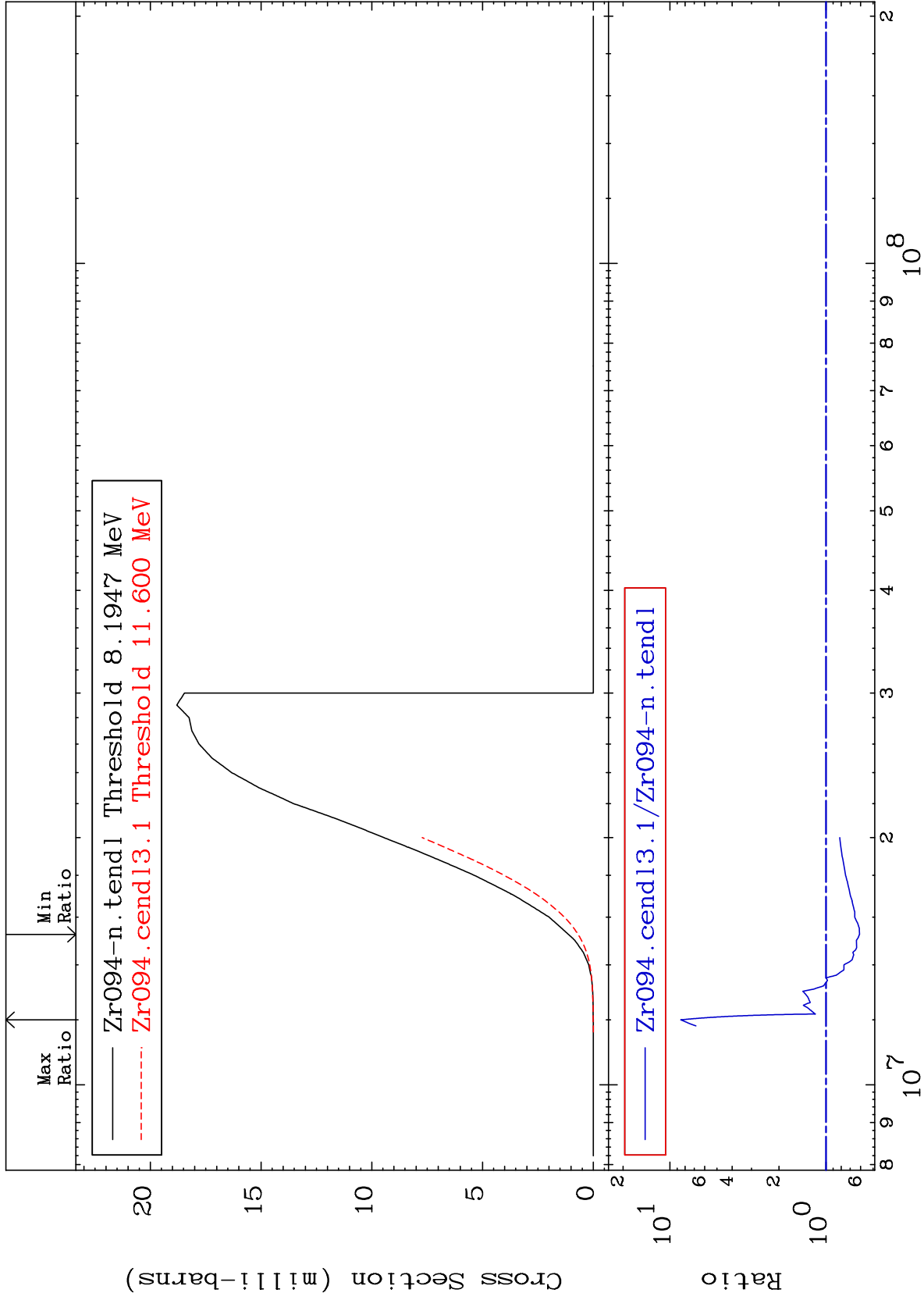
MAT 4037

(n, d)

40-Zr-94

Cross Section

-39.03 To 753.1 %



27

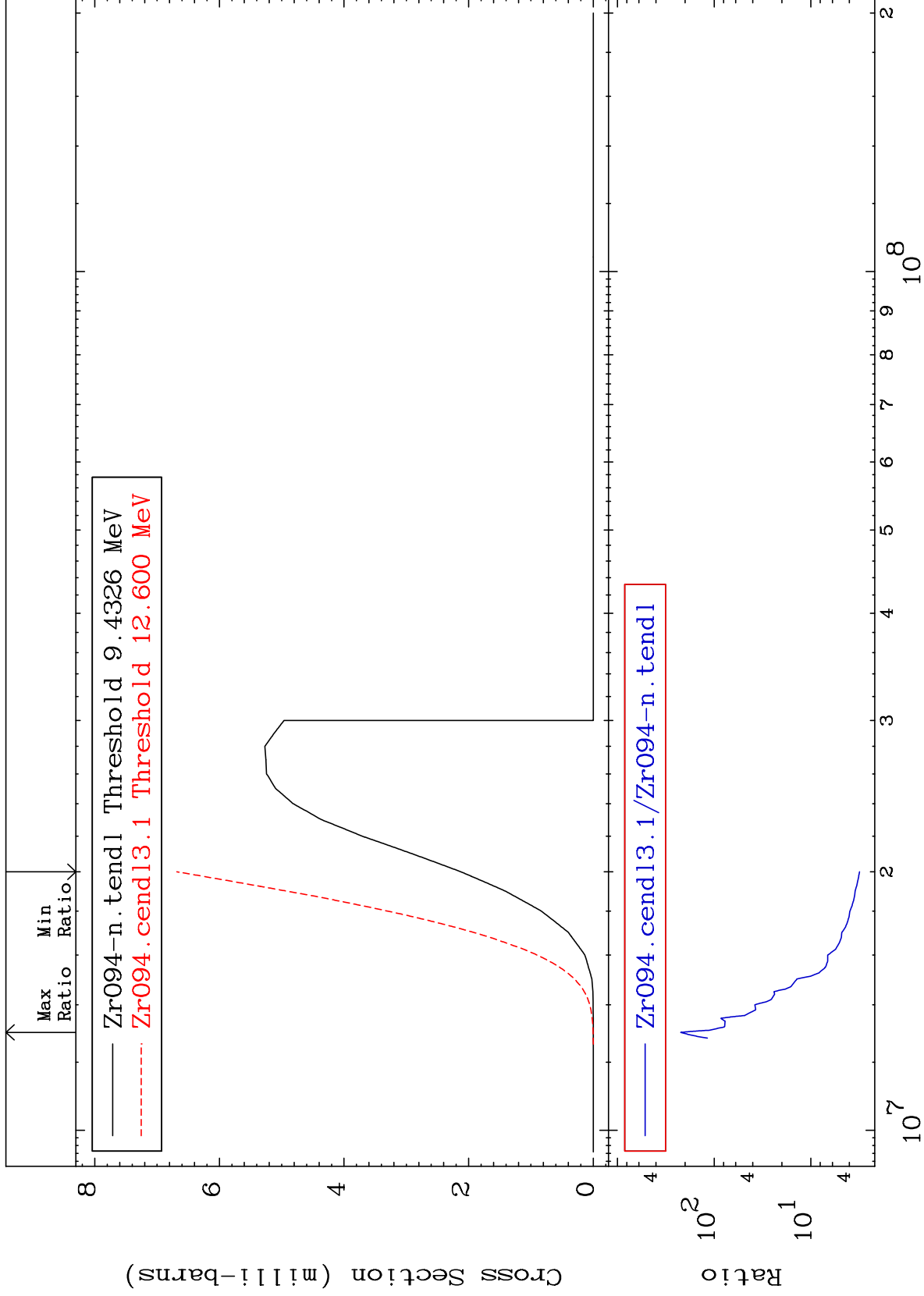
40-Zr-94

40-Zr-94

MAT 4037

(n, t)  
Cross Section

40-Zr-94  
214.3 To 9999. %



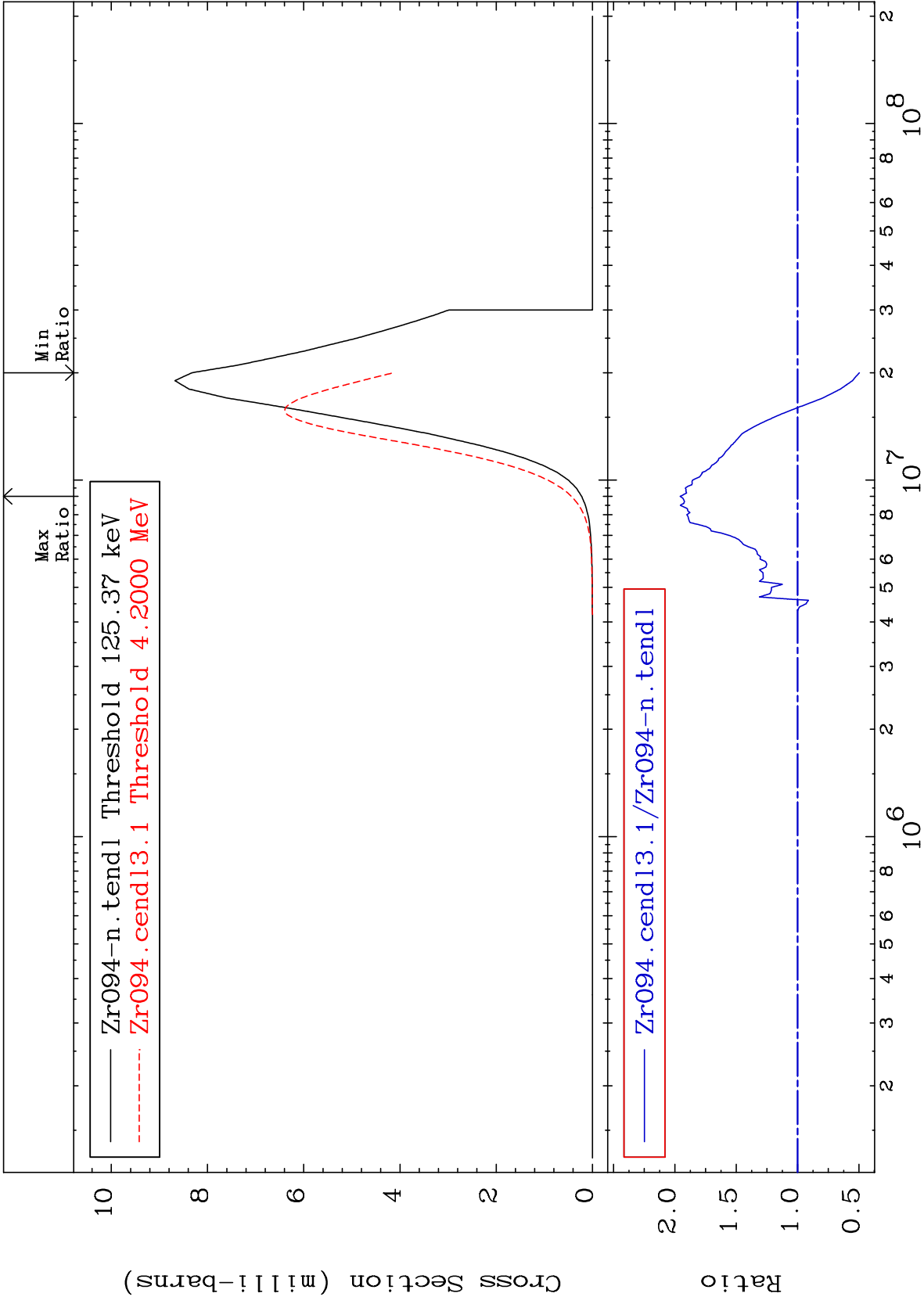
28

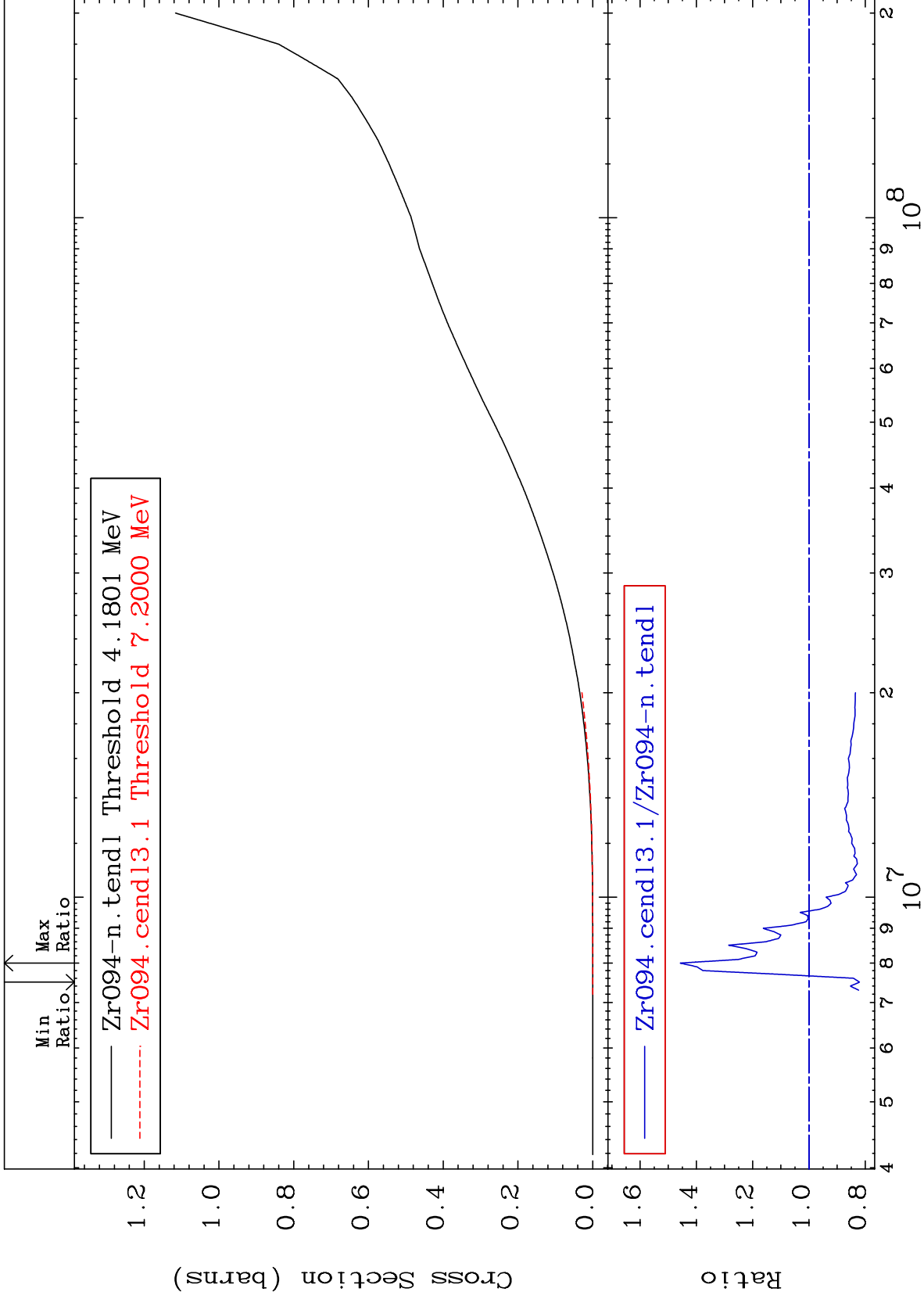
40-Zr-94

40-Zr-94

MAT 4037

(n,  $\alpha$ )  
Cross Section  
40-Zr-94  
-50.34 To 95.73 %

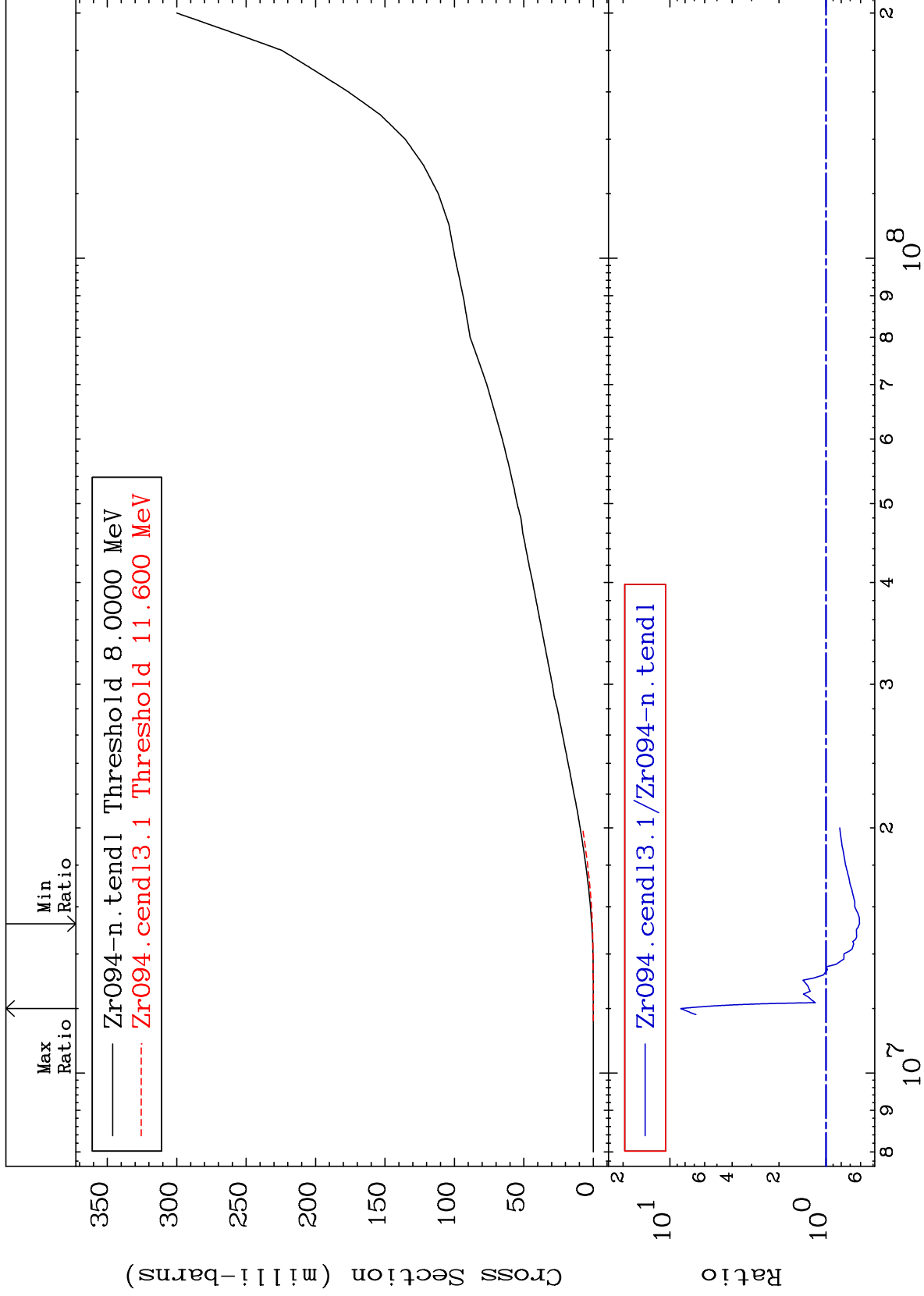




MAT 4037

Deuterium Production  
Cross Section

40-Zr-94  
-39.03 To 753.1 %



31

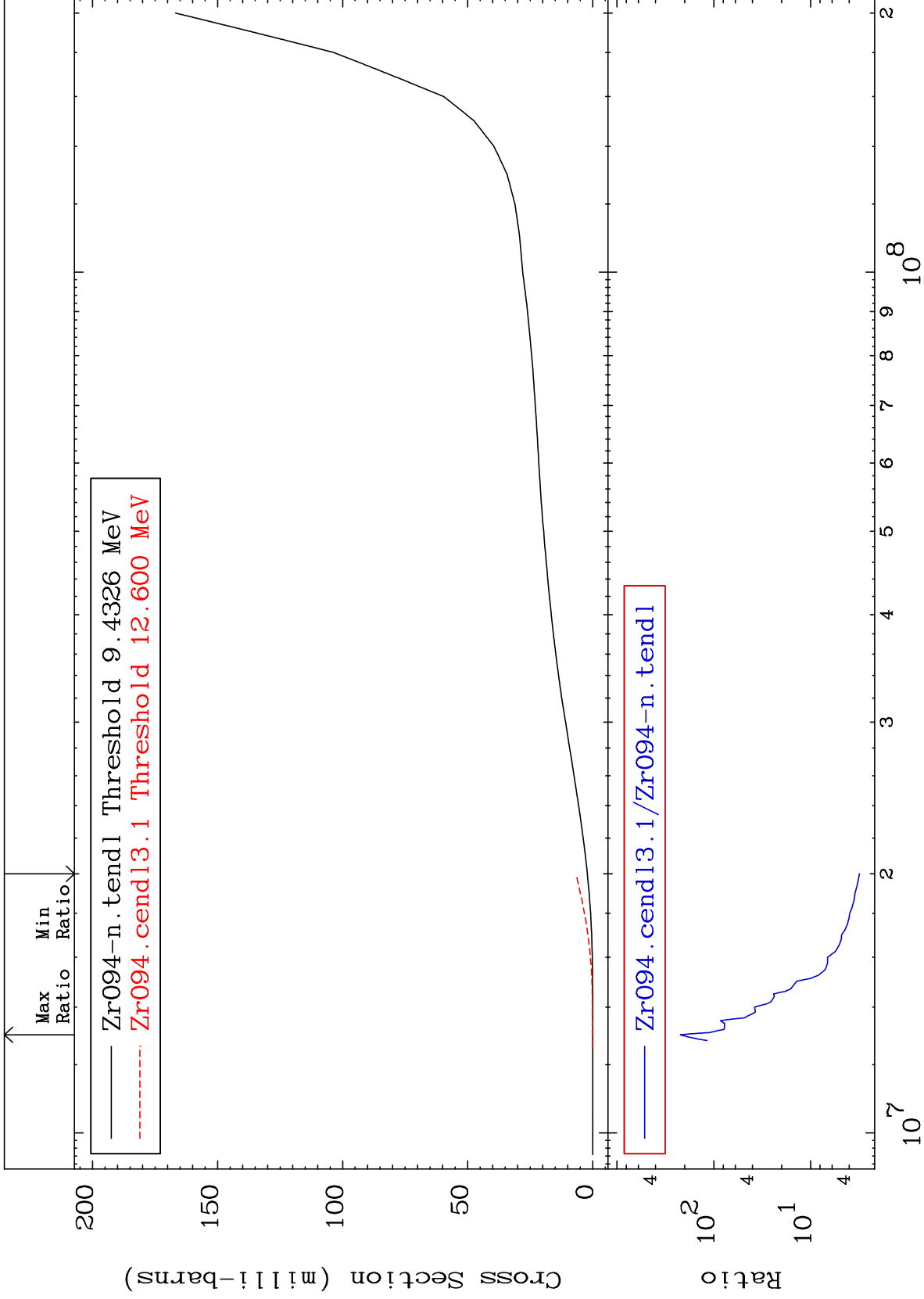
Incident Energy (eV)

40-Zr-94

MAT 4037

Tritium Production  
Cross Section

40-Zr-94  
214.2 To 9999. %



32

Incident Energy (eV)

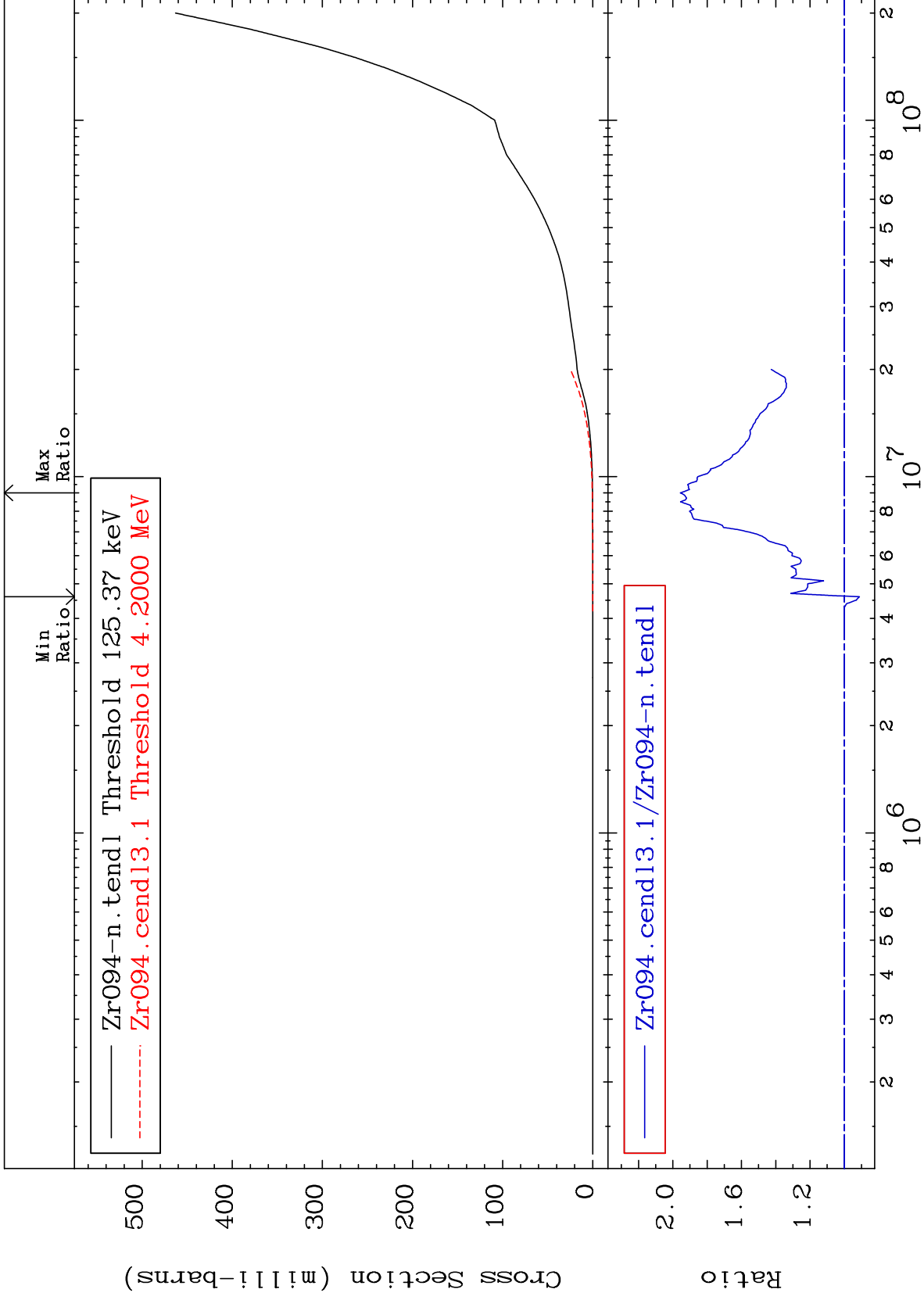
40-Zr-94



MAT 4037

He-4 Production  
Cross Section

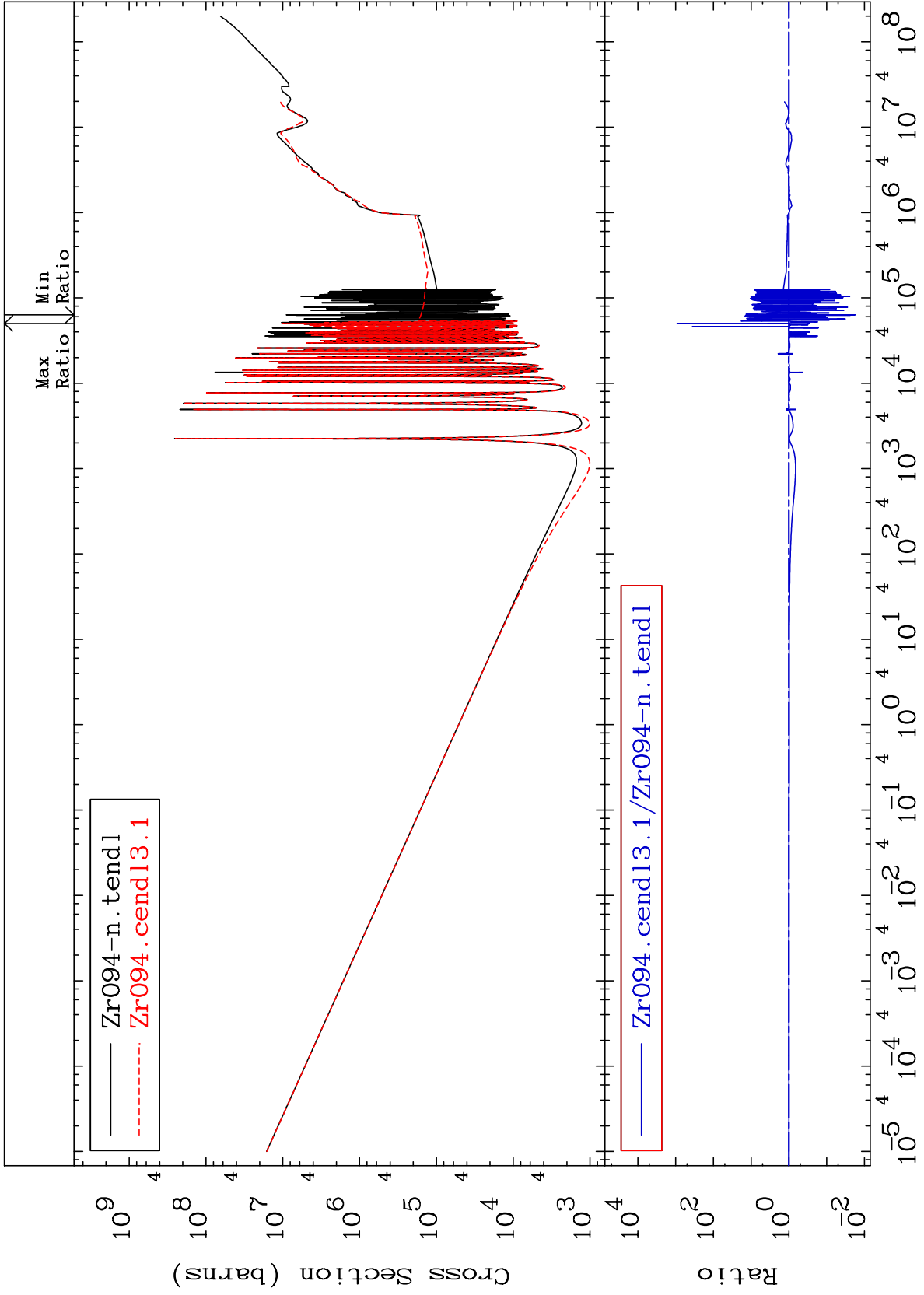
40-Zr-94  
-8.793 To 95.61 %



MAT 4037

Kerma total (eV-barns)  
Cross Section

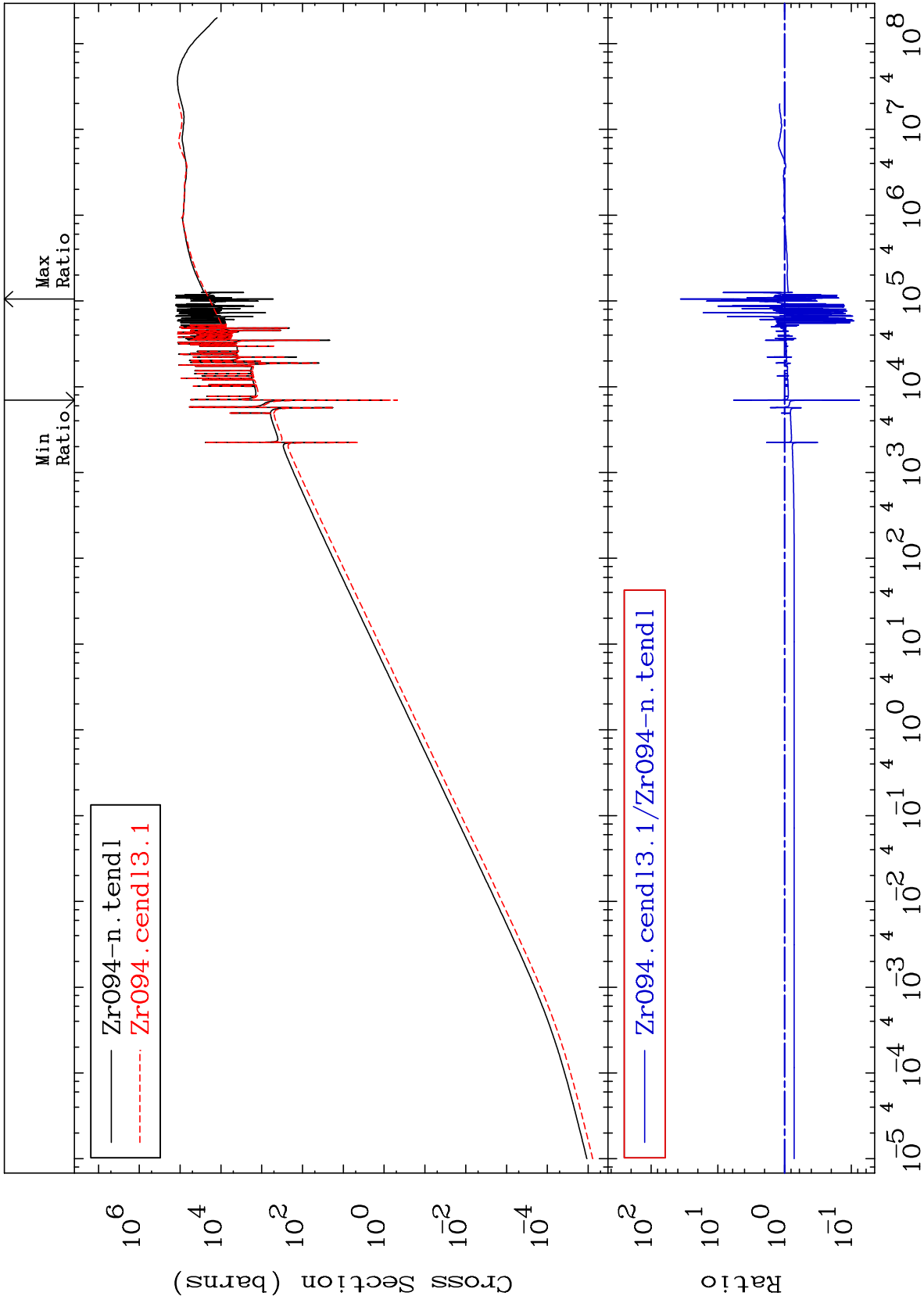
40-Zr-94  
-98.22 To 9999. %

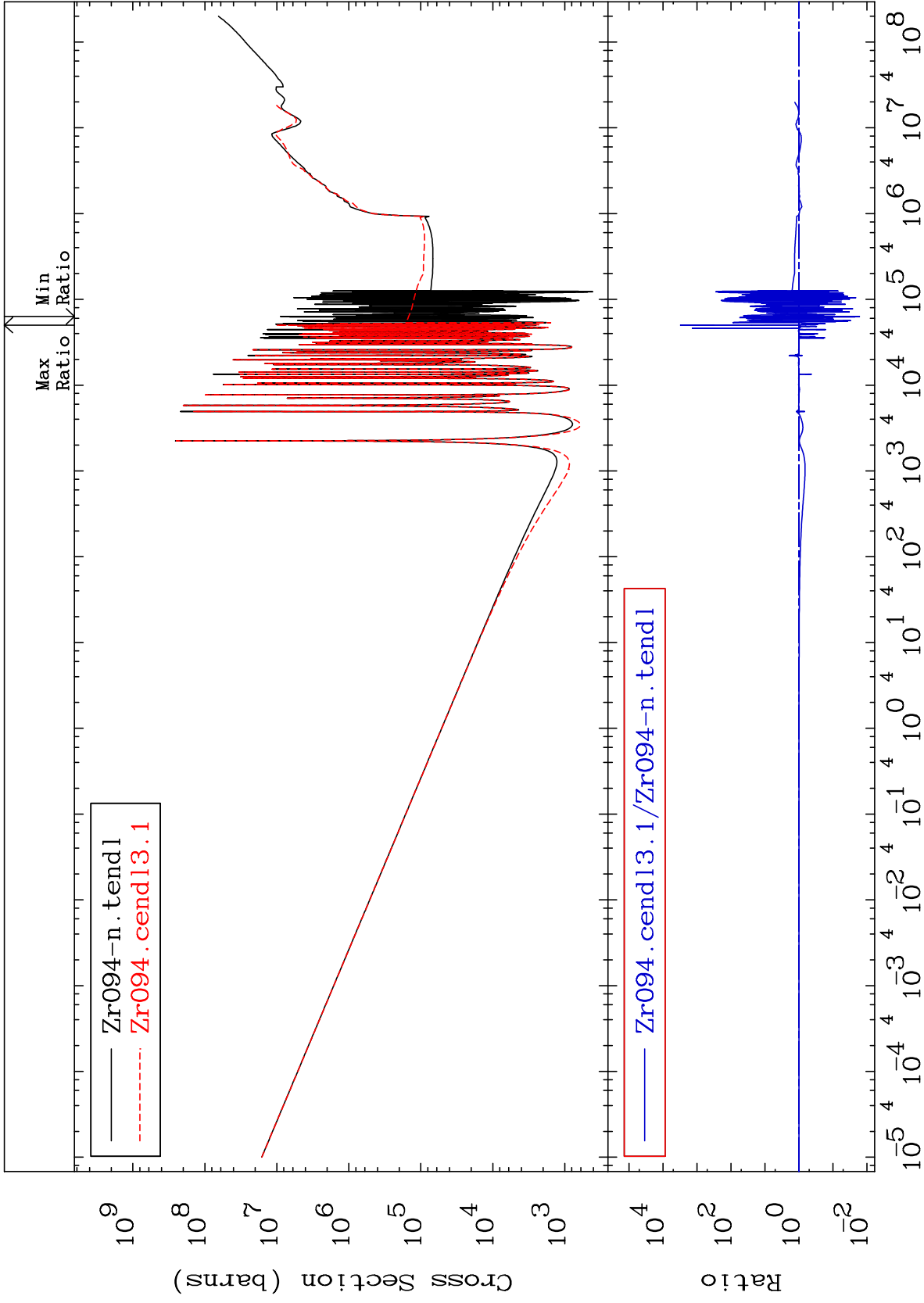


MAT 4037

Kerma elastic  
Cross Section

40-Zr-94  
-92.42 To 3556. %

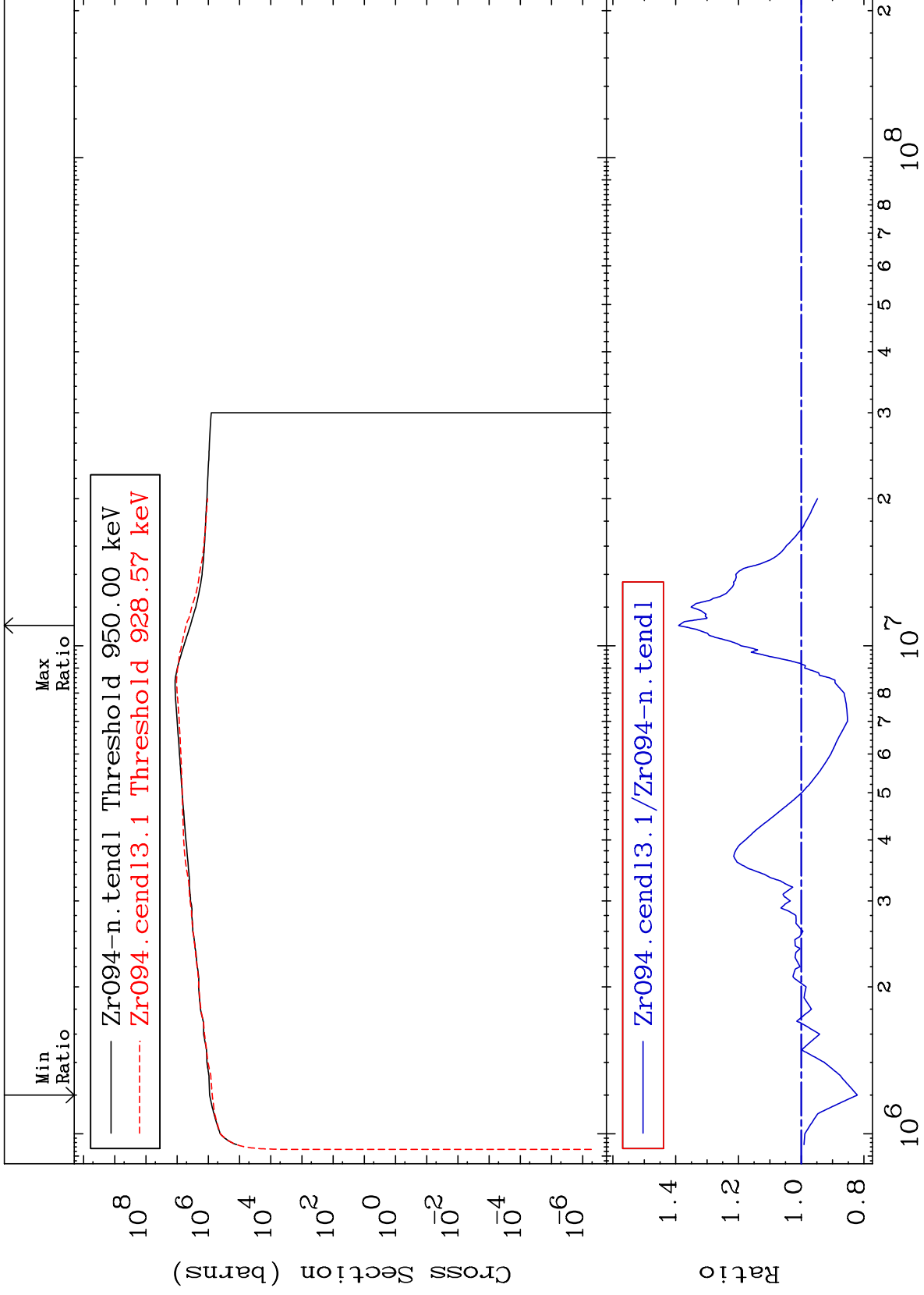




MAT 4037

Kerma inelastic (mt51-91)  
Cross Section

40-Zr-94  
-17.86 To 39.06 %



37

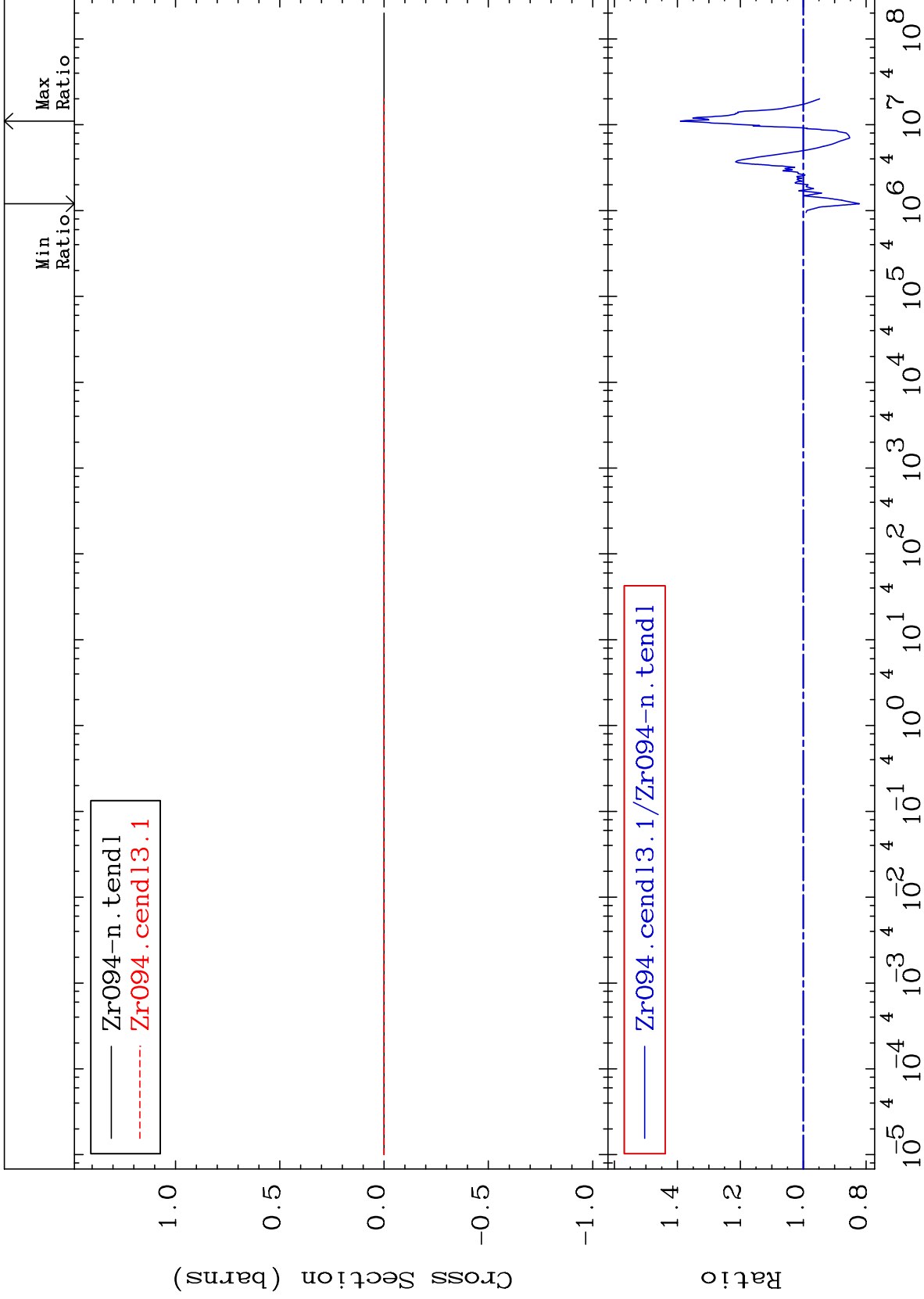
Incident Energy (eV)

40-Zr-94

MAT 4037

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

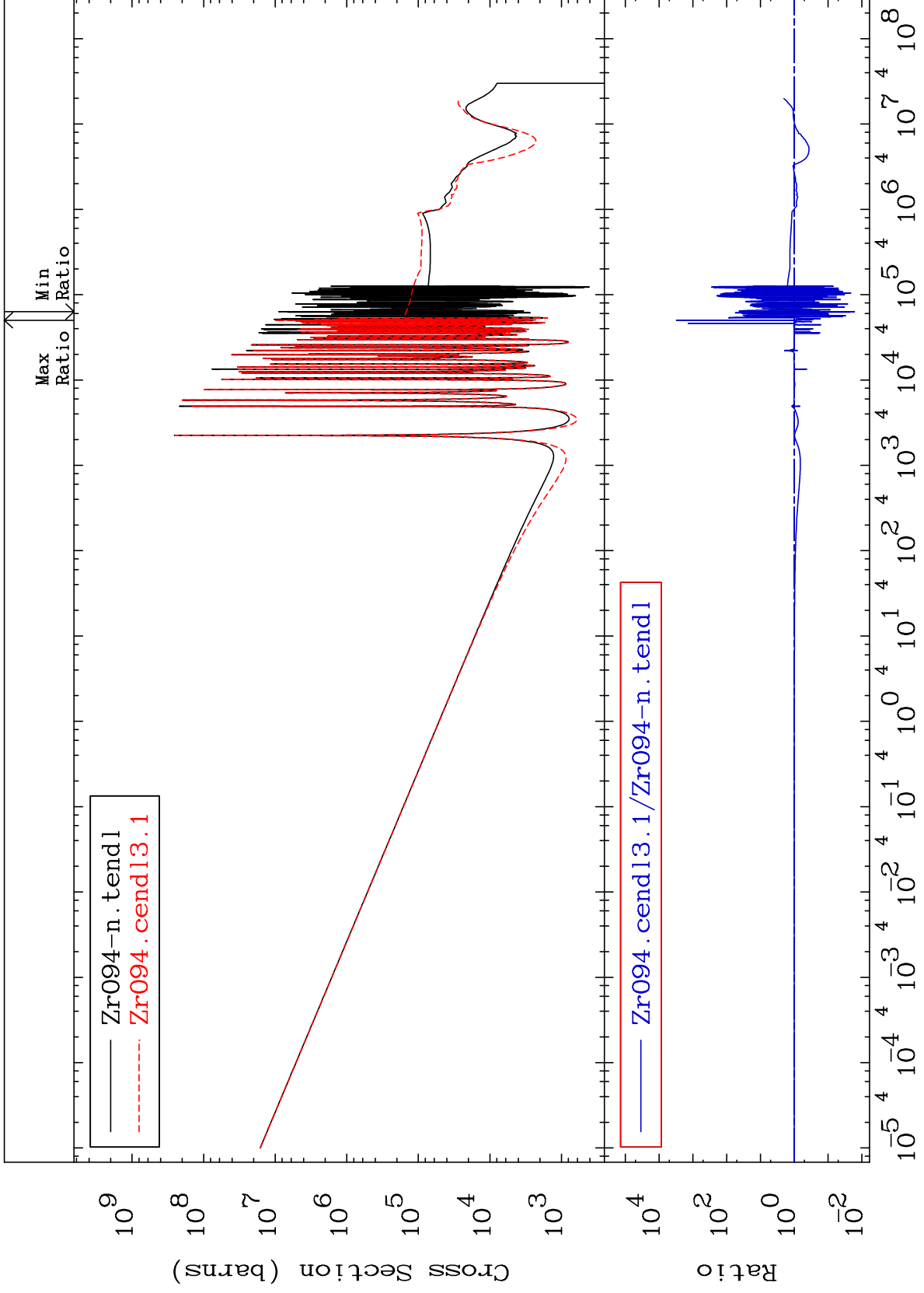
40-Zr-94  
-17.86 To 39.06 %



MAT 4037

Kerma capture (mt102)  
Cross Section

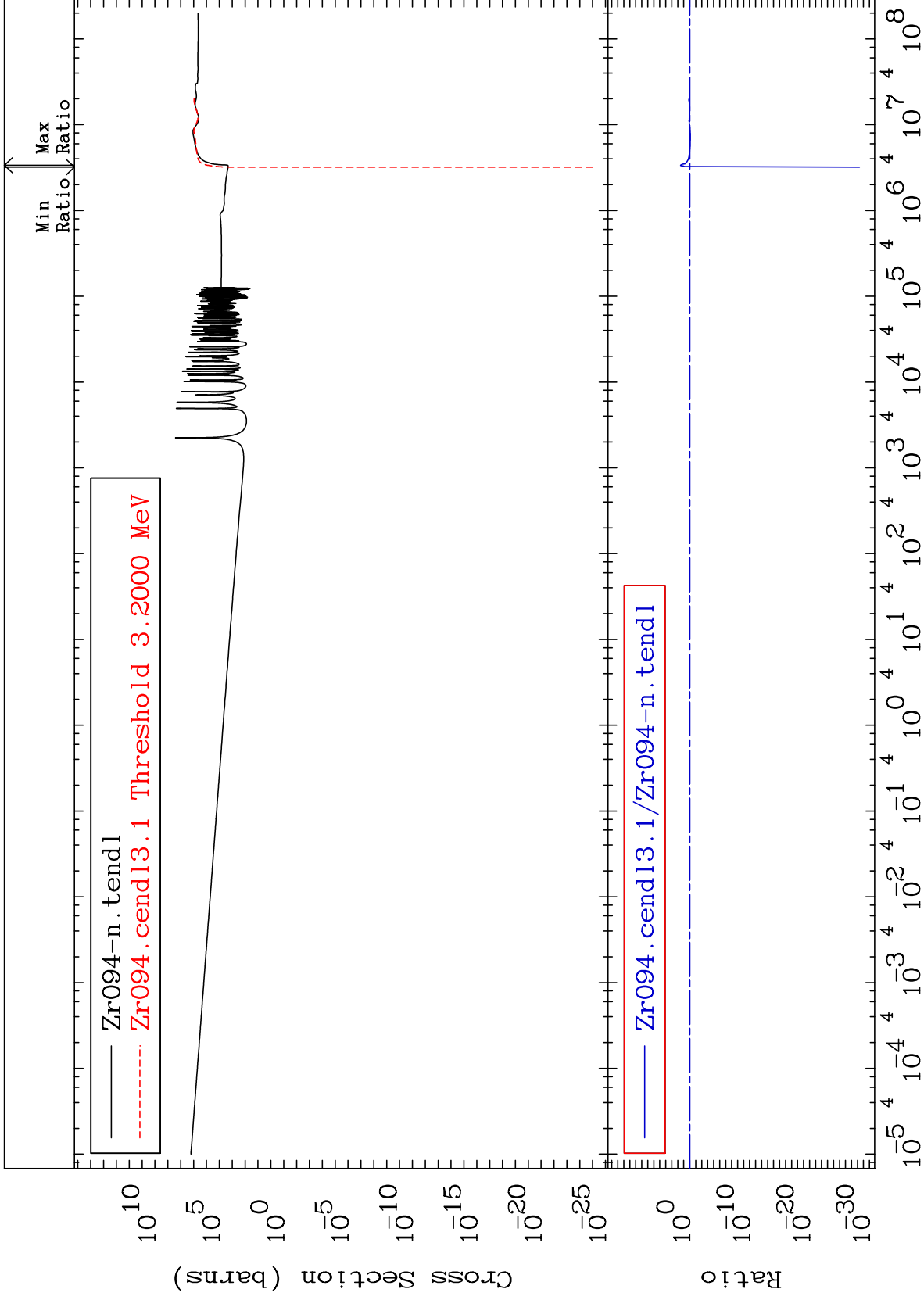
40-Zr-94  
-98.34 To 9999. %



MAT 4037

Total photon (eV-barns)  
Cross Section

40-Zr-94  
-100.0 To 3542. %



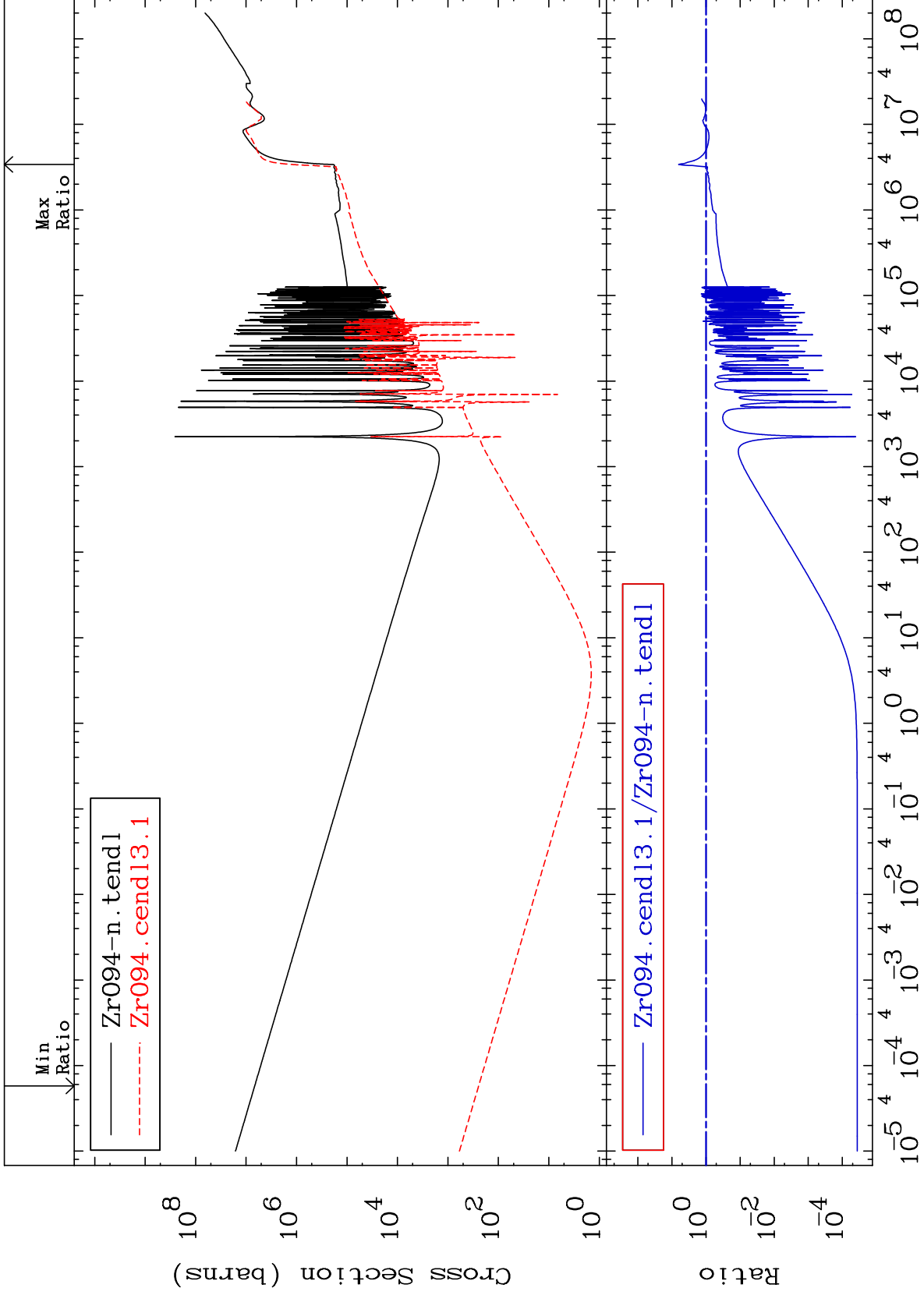
40



MAT 4037

Total kinematic kerma (high limit)  
Cross Section

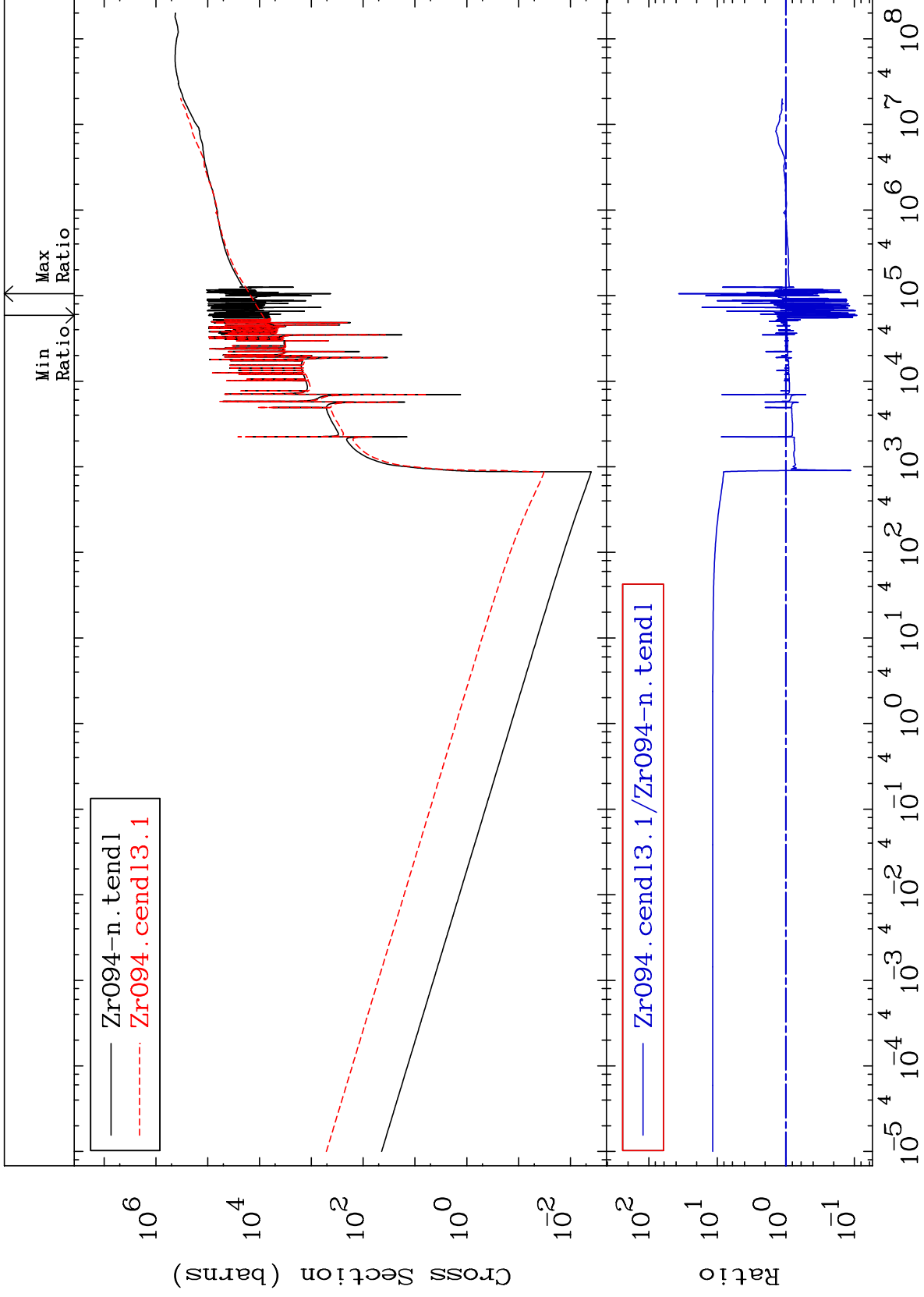
40-Zr-94  
-100.0 To 535.7 %



MAT 4037

Dpa total (eV-barns)  
Cross Section

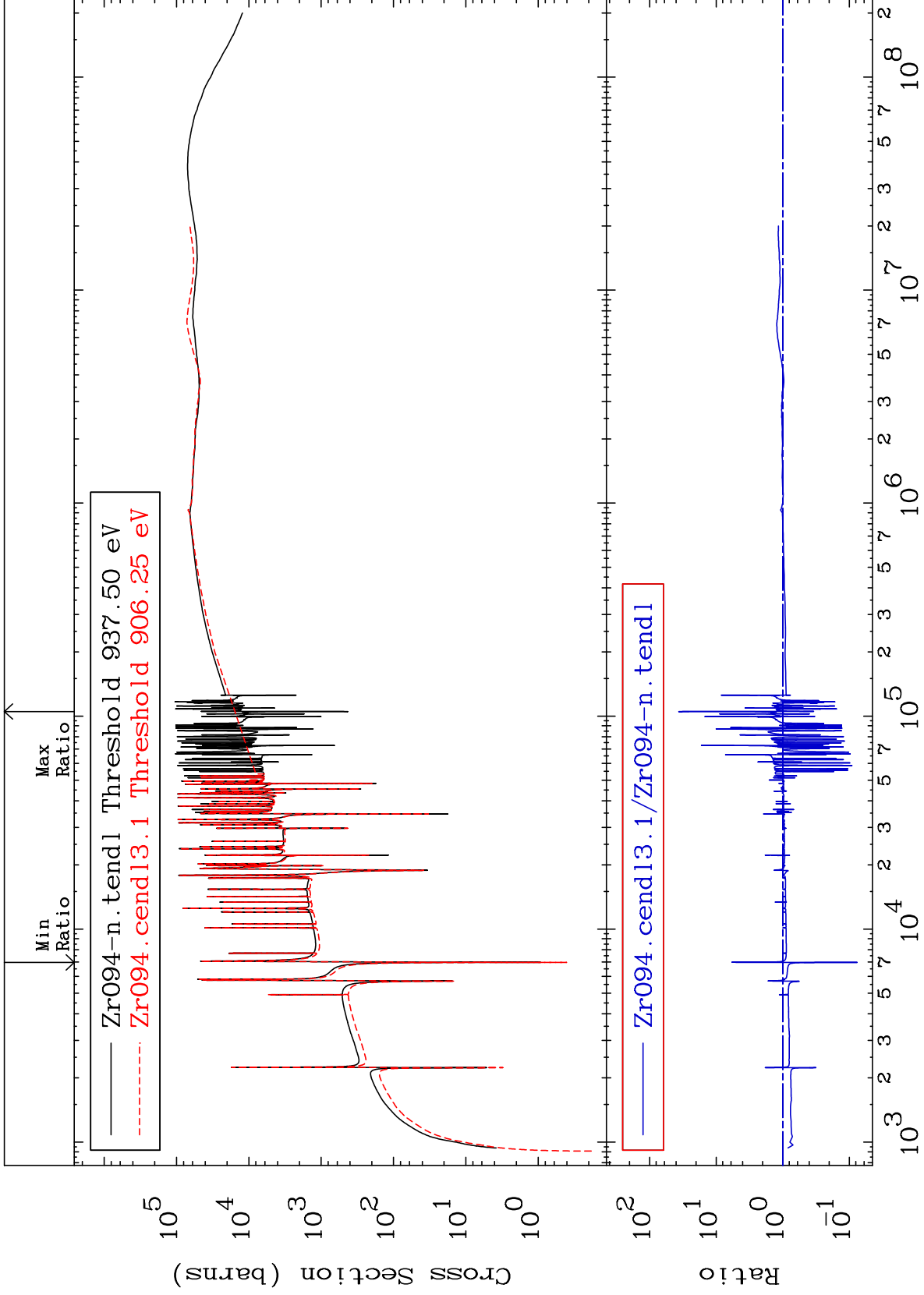
40-Zr-94  
-90.93 To 3563. %



MAT 4037

Dpa elastic (mt2)  
Cross Section

40-Zr-94  
-92.42 To 3560. %



43

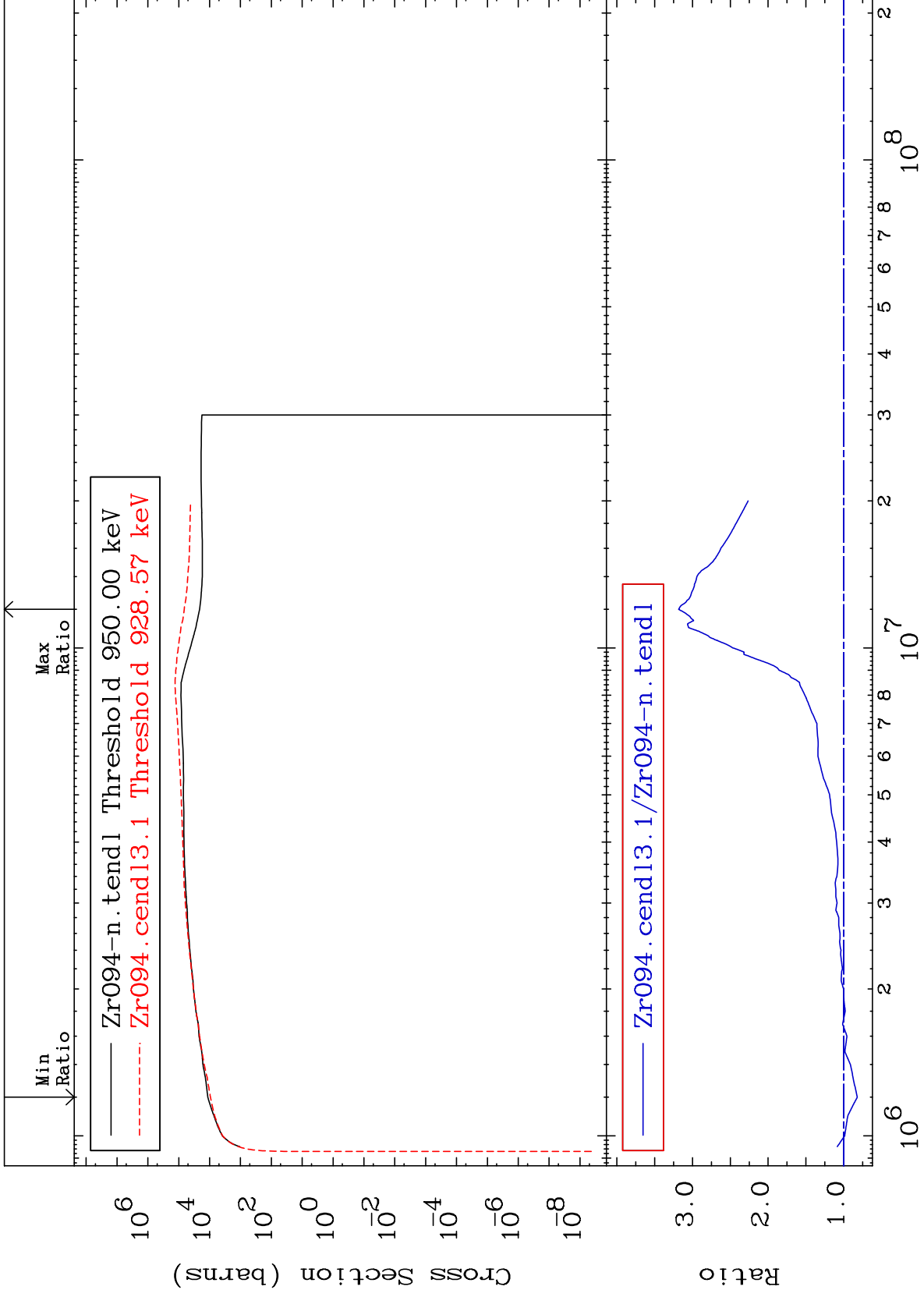
Incident Energy (eV)

40-Zr-94

MAT 4037

Dpa inelastic (mt51-91)  
Cross Section

40-Zr-94  
-17.89 To 218.3 %



44

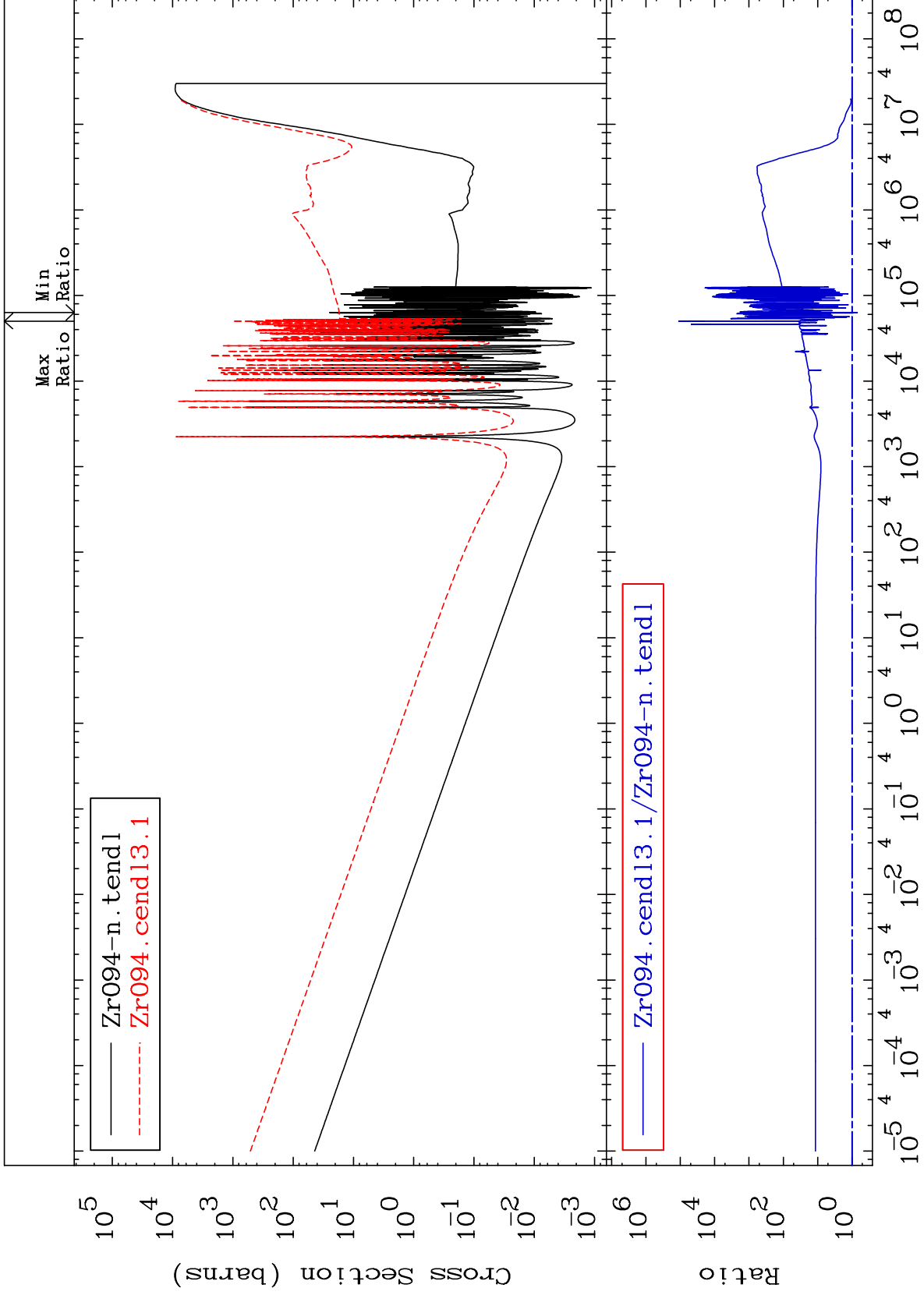
Incident Energy (eV)

40-Zr-94

MAT 4037

Dpa disappearance (mt102 -120)  
Cross Section

40-Zr-94  
-29.72 To 9999. %



45

Incident Energy (eV)

40-Zr-94