

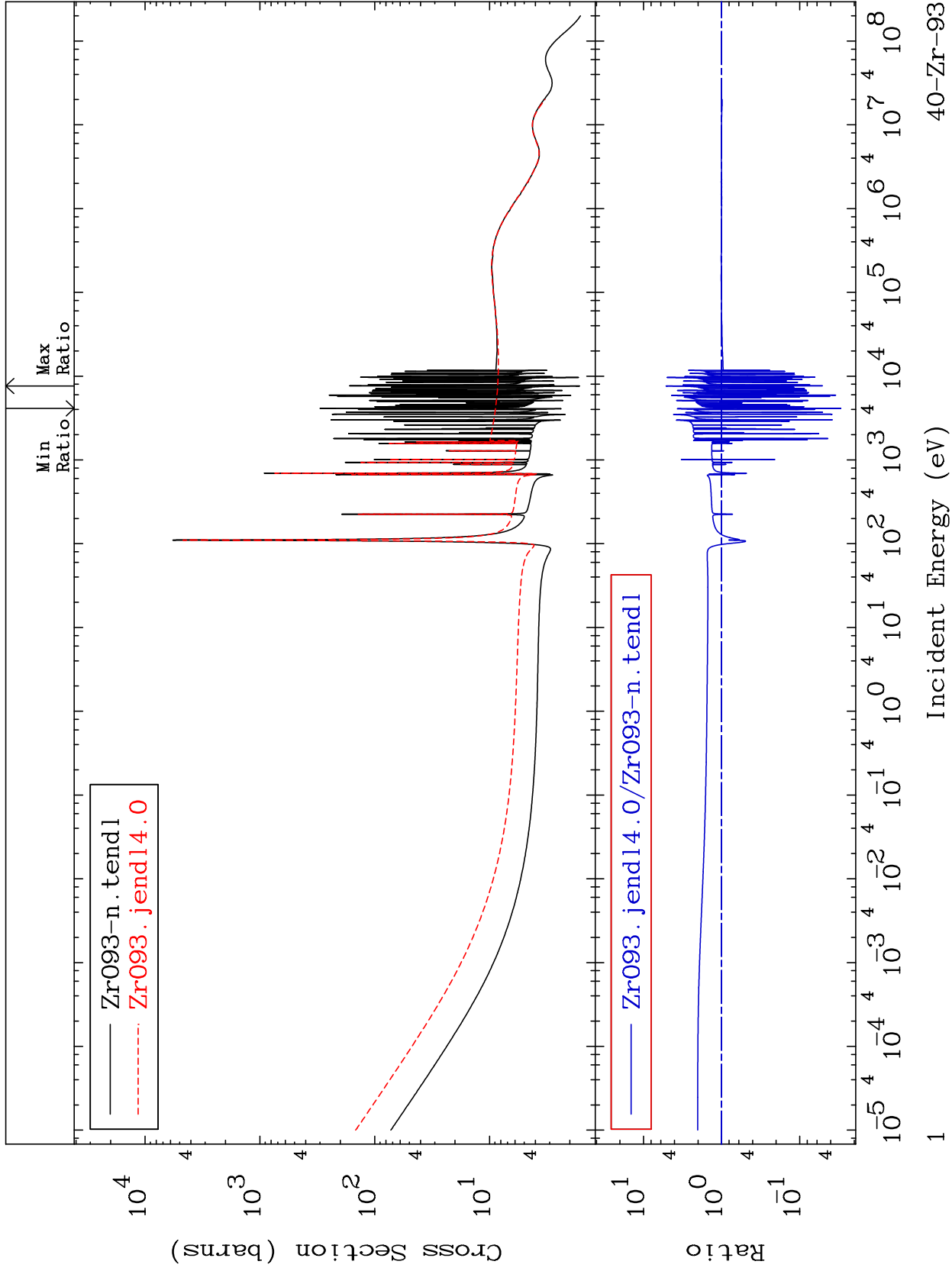
MAT 4034

Total

40-Zr-93

Cross Section

-97.03 To 415.0 %

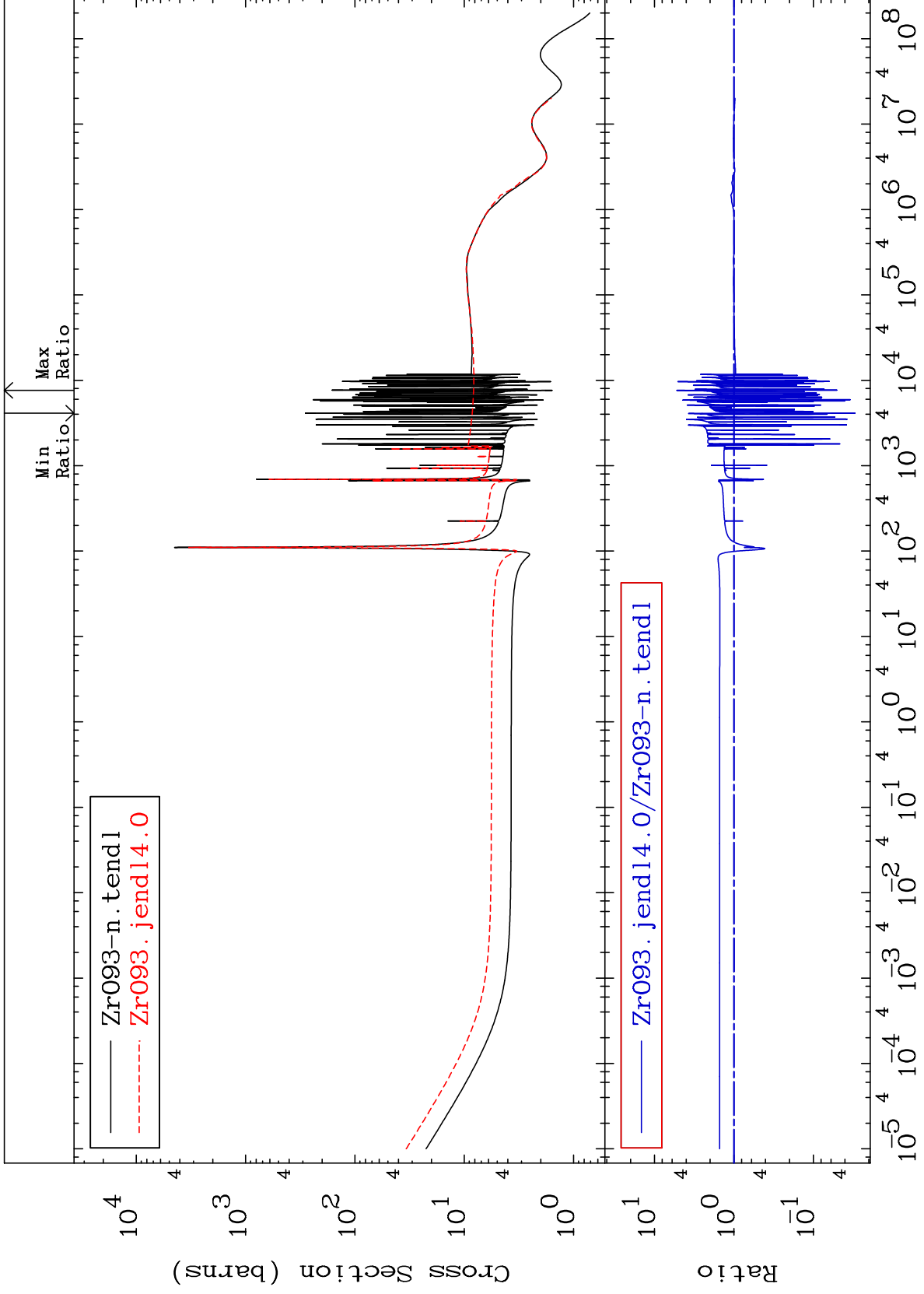


40-Zr-93

MAT 4034

Elastic  
Cross Section

40-Zr-93  
-97.02 To 422.3 %



2

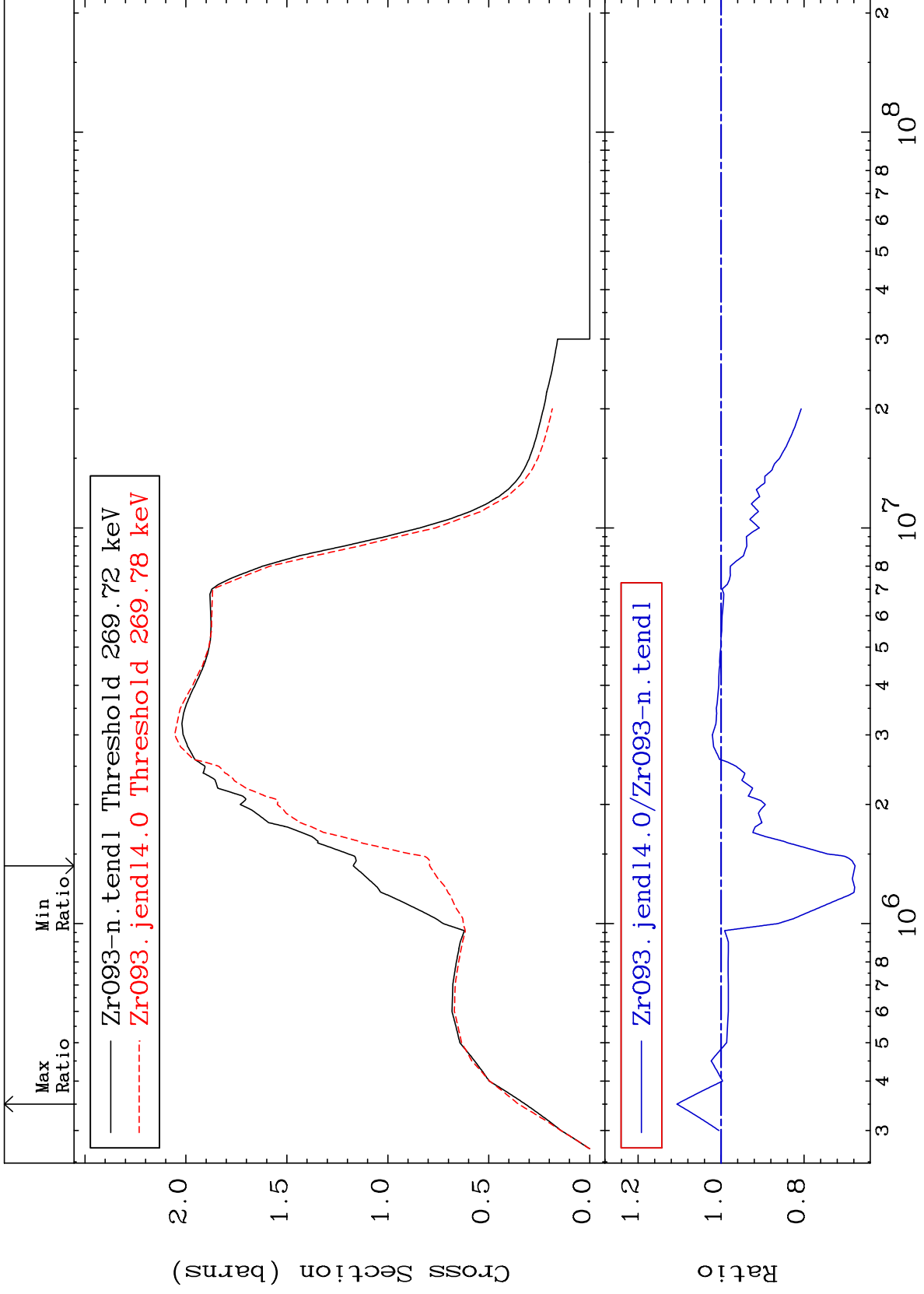
Incident Energy (eV)

40-Zr-93

MAT 4034

Inelastic  
Cross Section

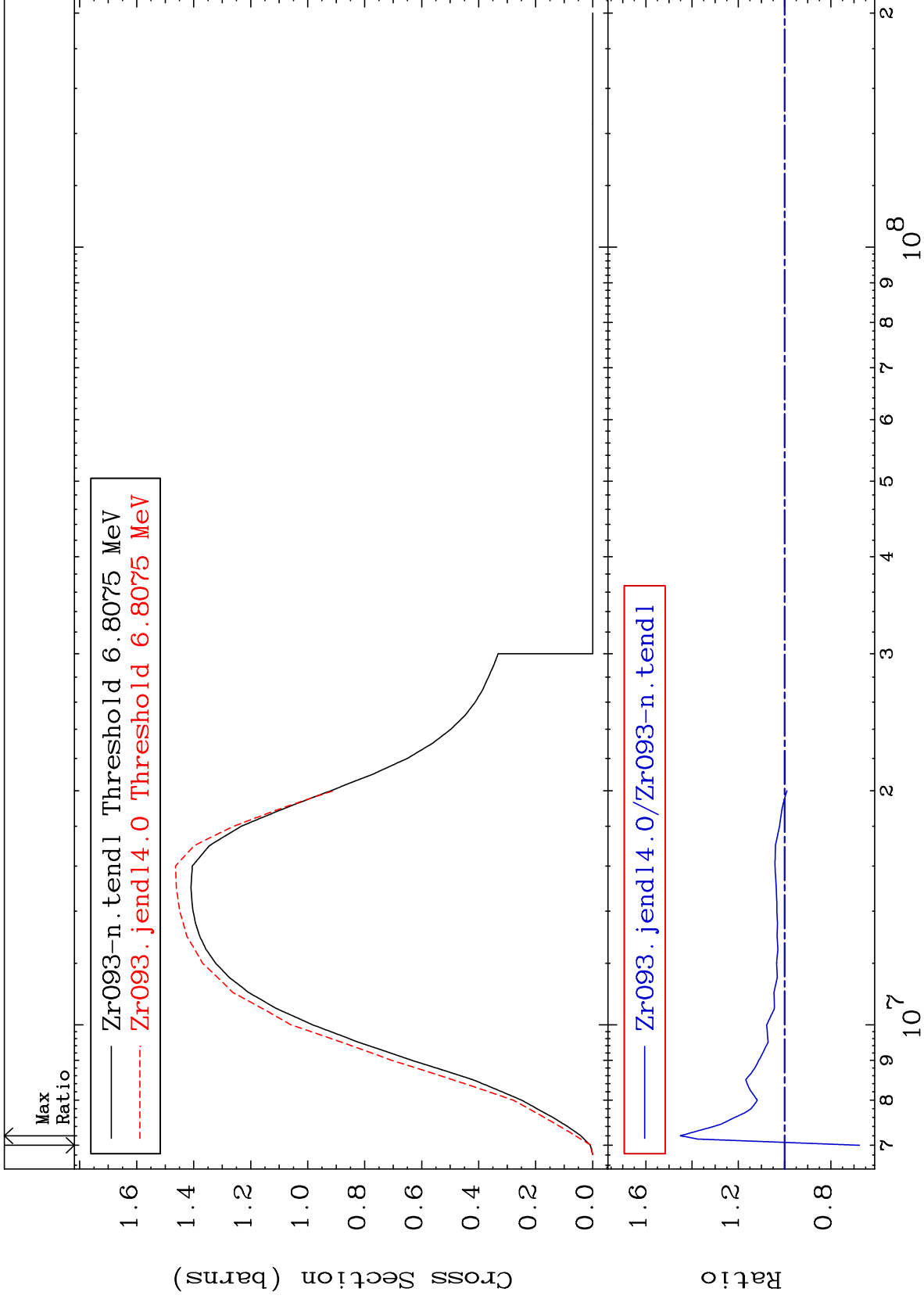
40-Zr-93  
-32.29 To 10.66 %



MAT 4034

(n,2n)  
Cross Section

40-Zr-93  
-32.32 To 45.07 %



4

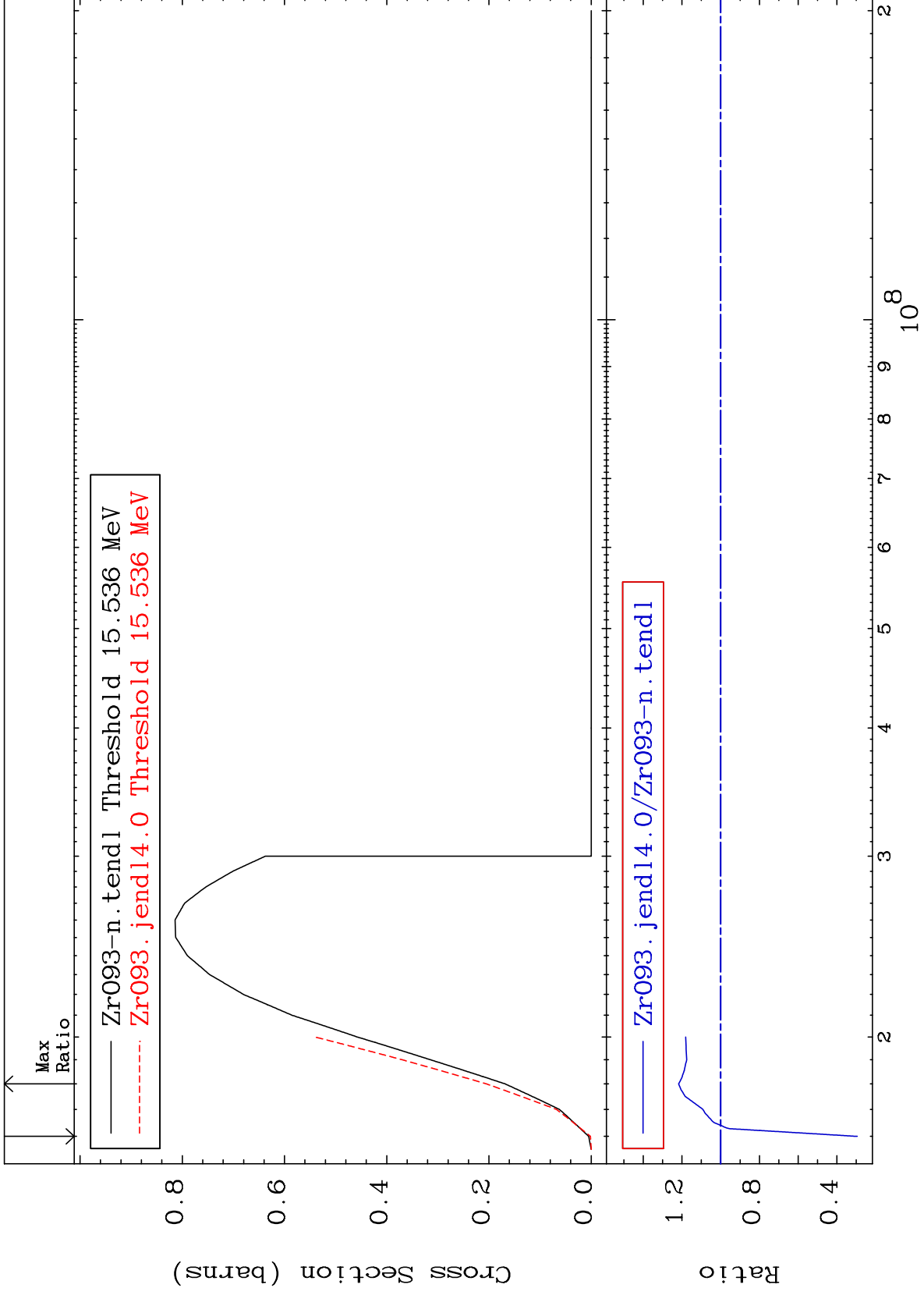
Incident Energy (eV)

40-Zr-93

MAT 4034

(n,3n)  
Cross Section

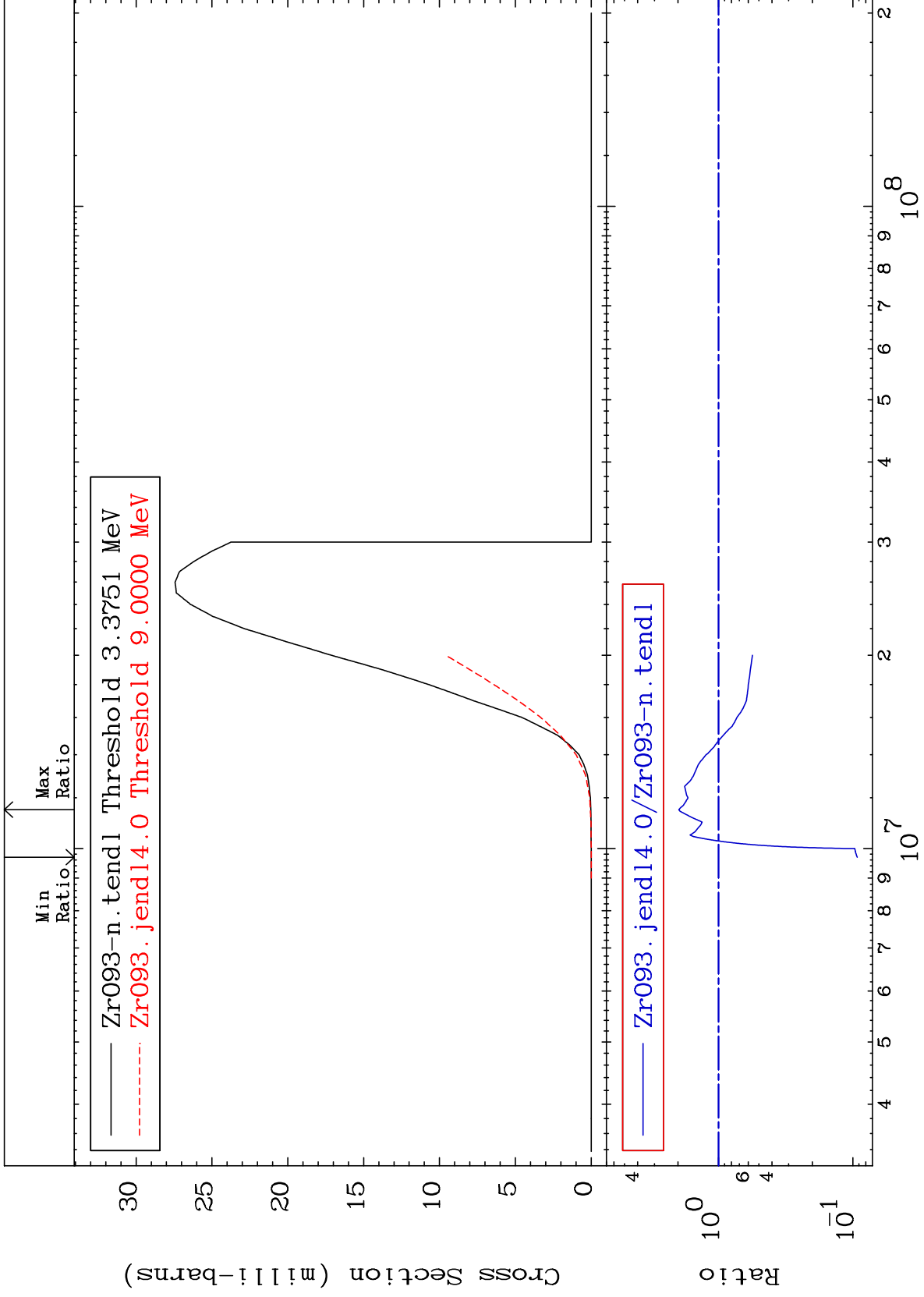
40-Zr-93  
-70.53 To 21.73 %



MAT 4034

(n, n')  $\alpha$   
Cross Section

40-Zr-93  
-90.73 To 97.90 %



6

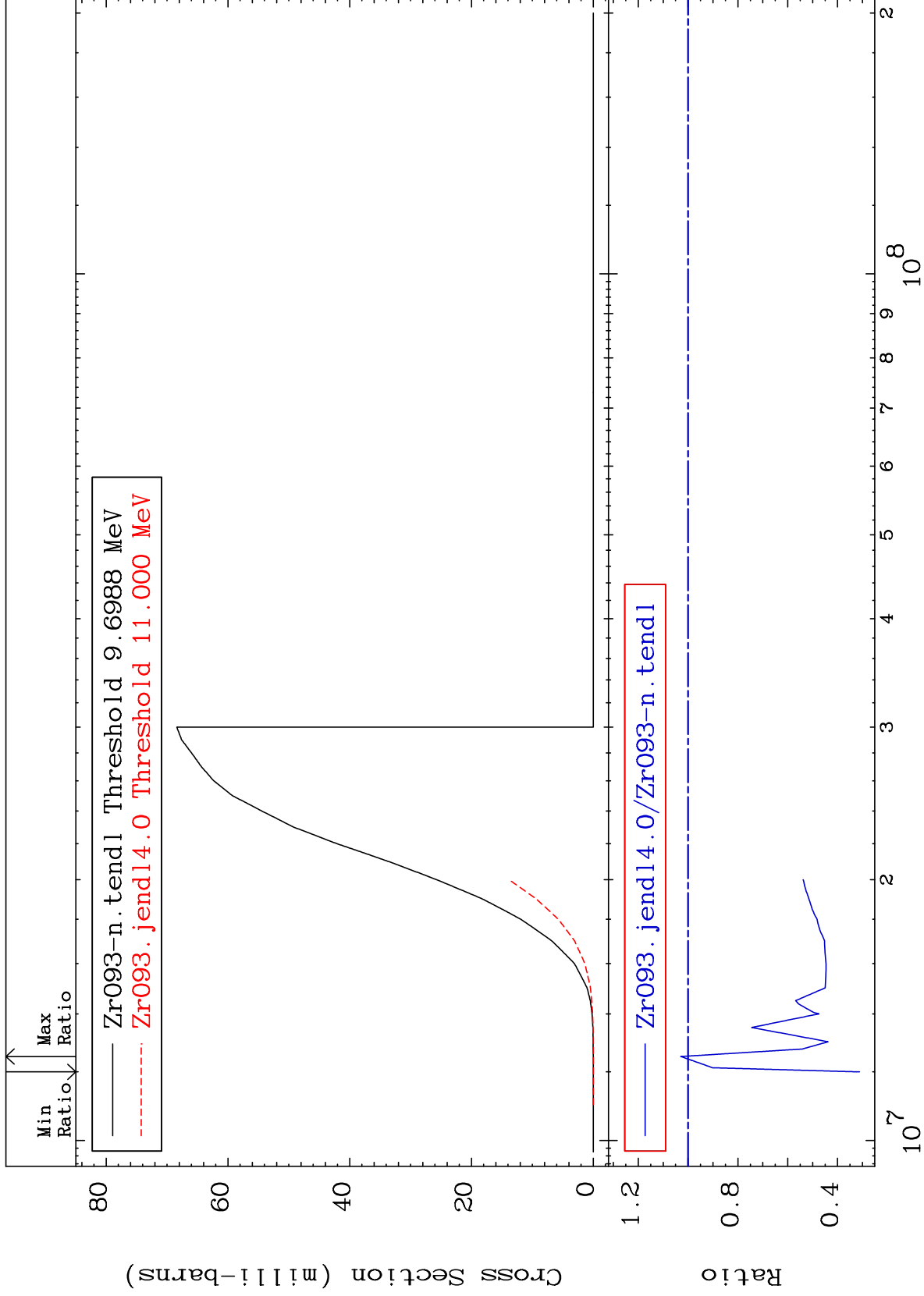
40-Zr-93

40-Zr-93

MAT 4034

(n,n') p  
Cross Section

40-Zr-93  
-68.82 To 2.926 %



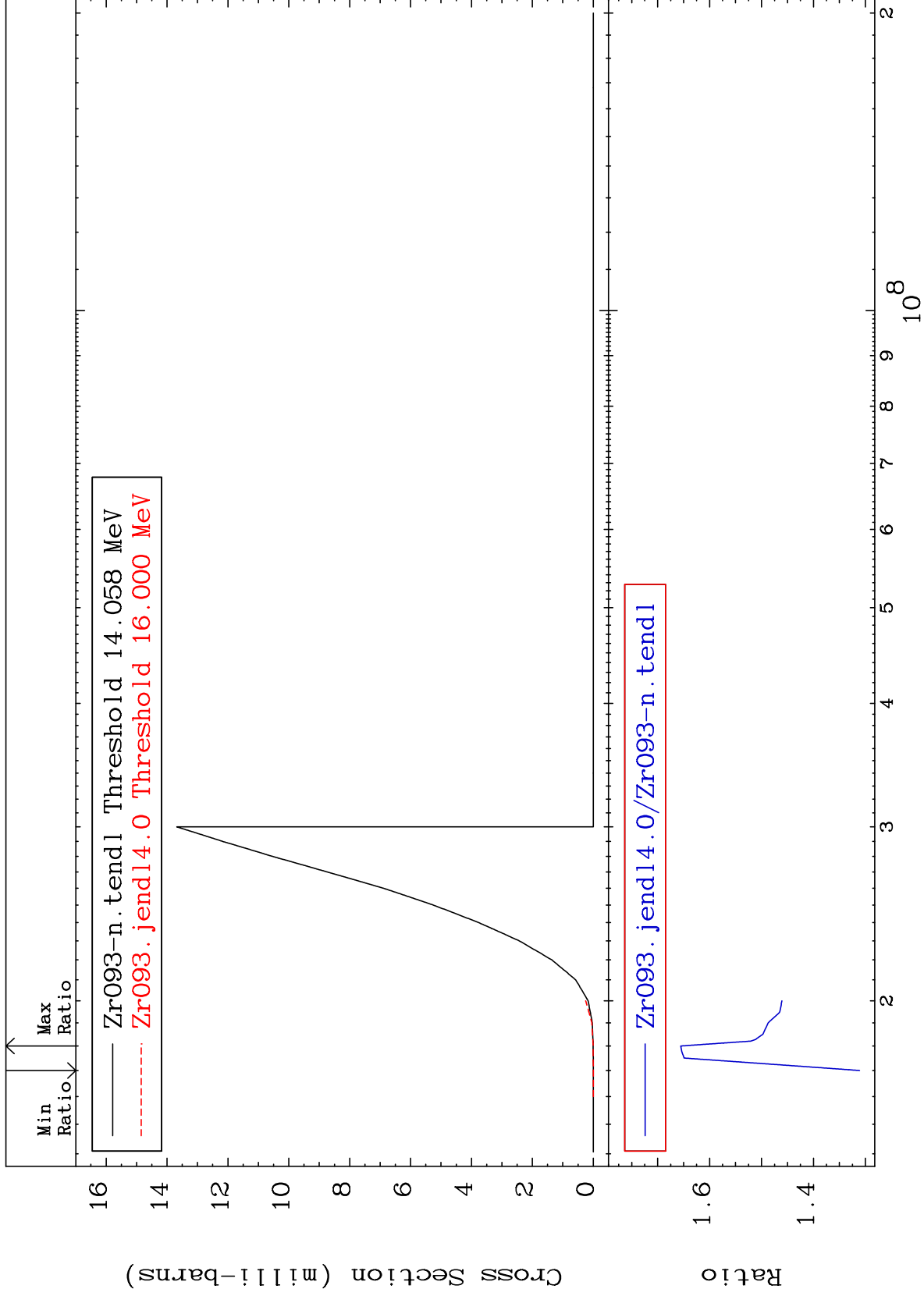
40-Zr-93

40-Zr-93

MAT 4034

(n,n') d  
Cross Section

40-Zr-93  
31.12 To 65.56 %

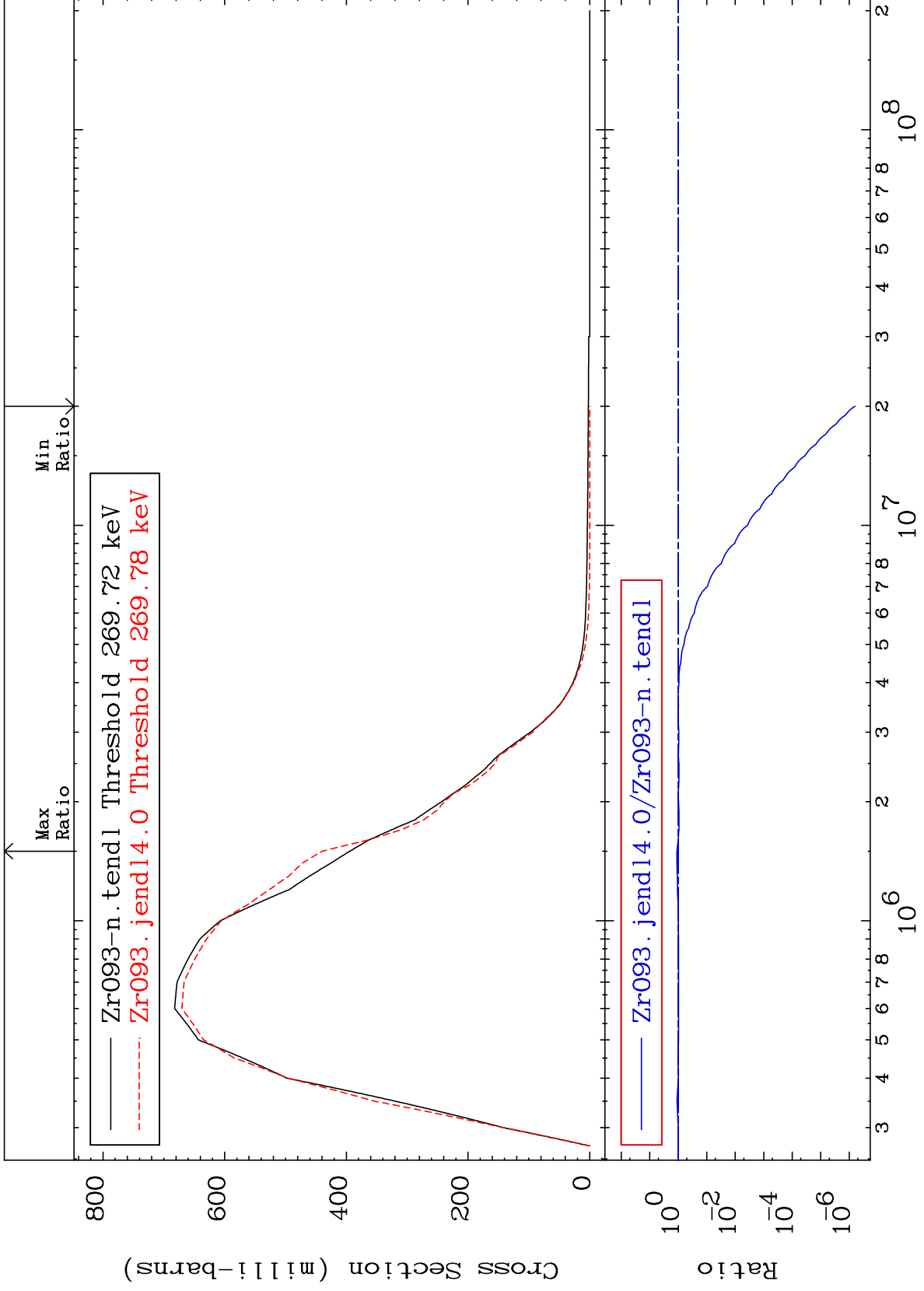




MAT 4034

266.8 keV (n,n') Level  
Cross Section

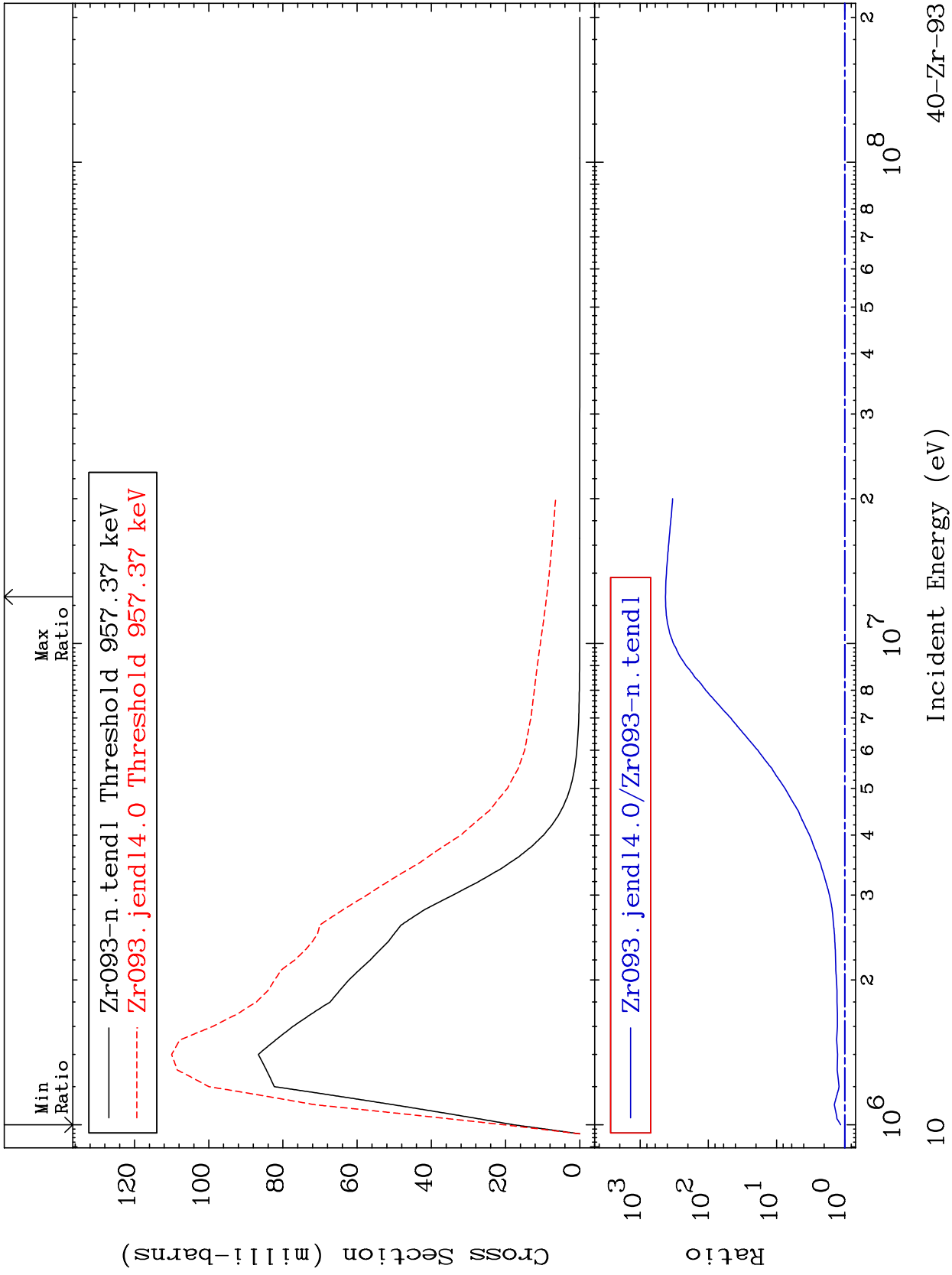
40-Zr-93  
-100.0 To 11.50 %



MAT 4034

947.1 keV (n,n') Level  
Cross Section

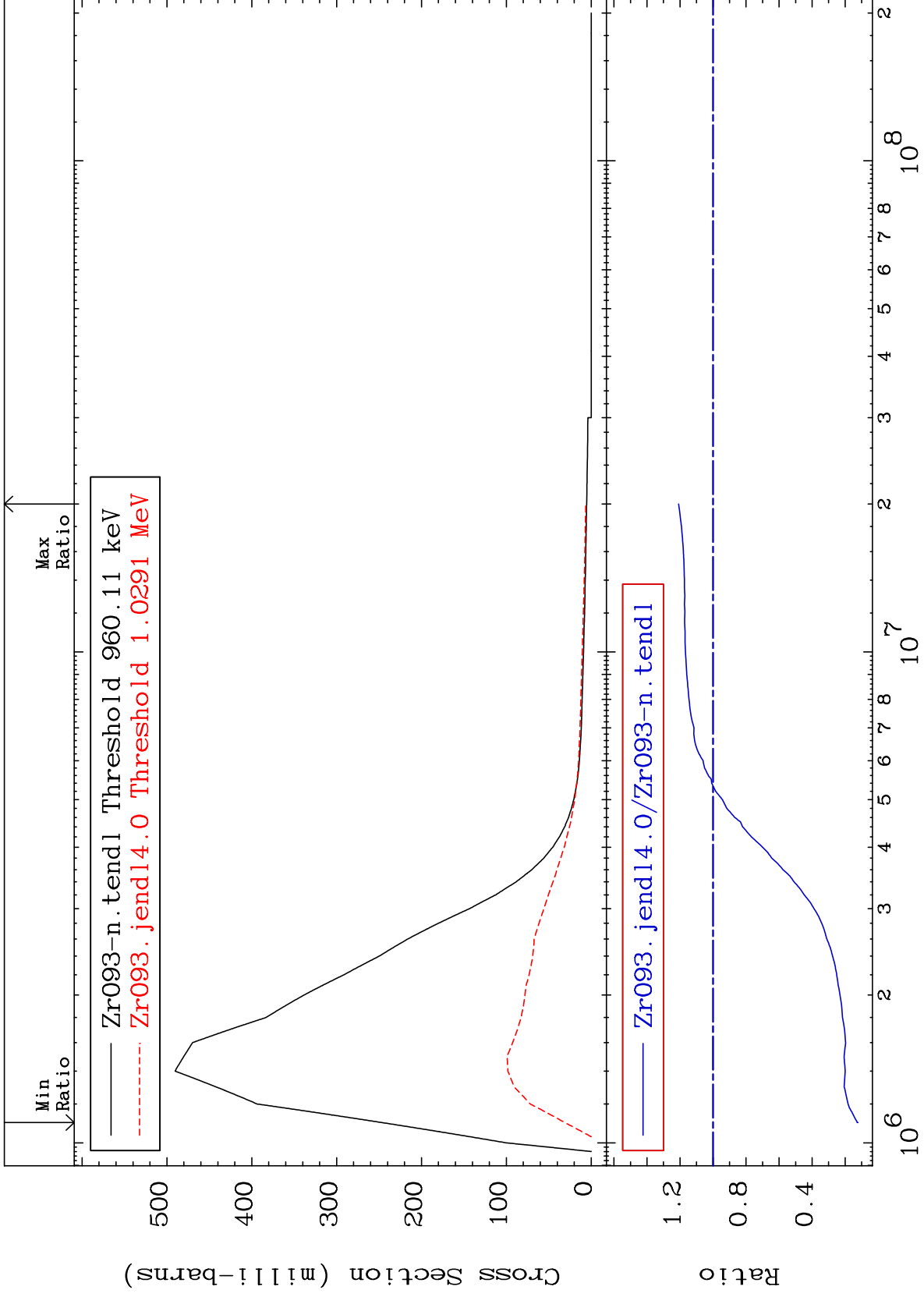
40-Zr-93  
14.61 To 9999. %



MAT 4034

949.8 keV (n,n') Level  
Cross Section

40-Zr-93  
-87.33 To 20.83 %



11

40-Zr-93

40-Zr-93

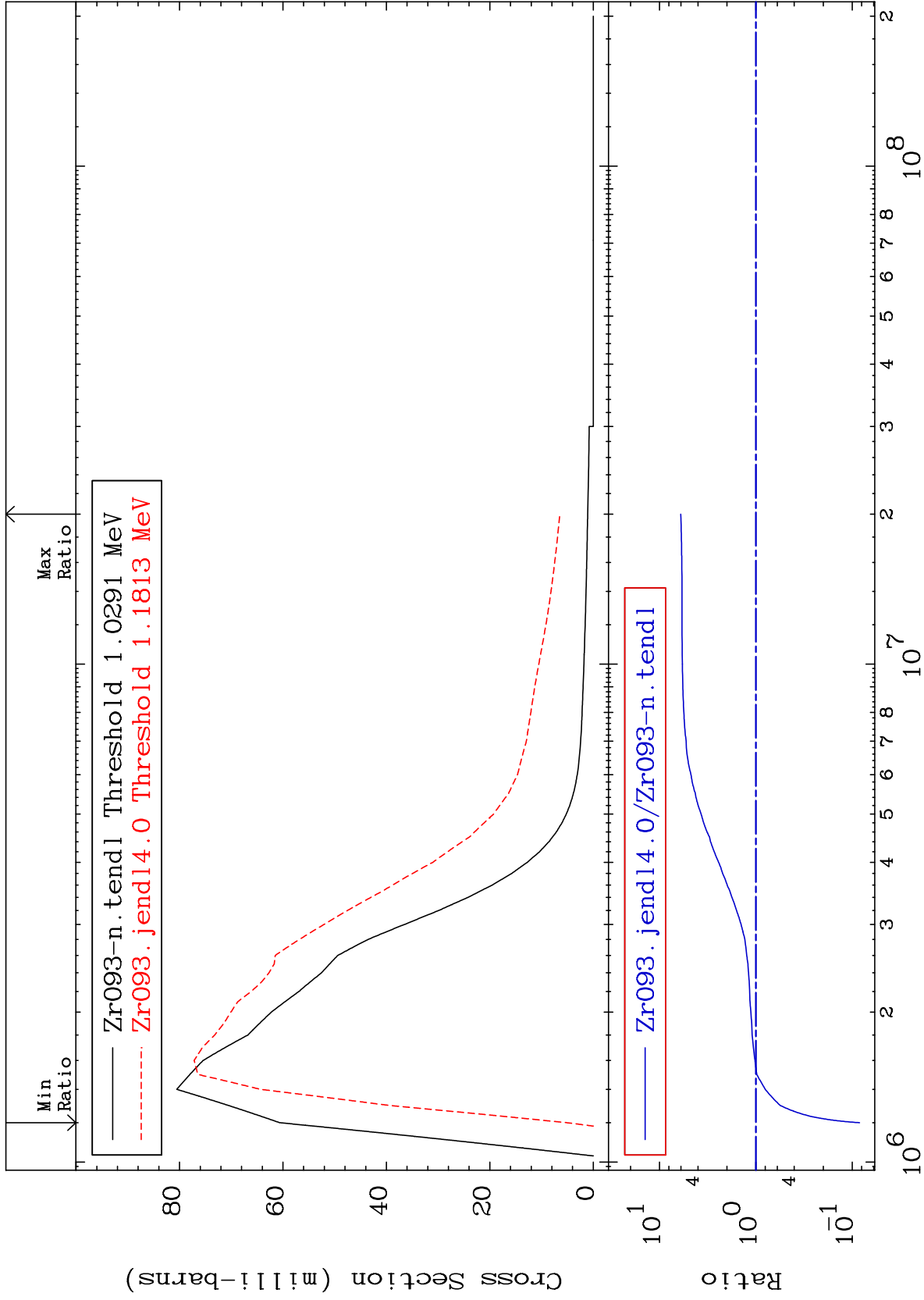
MAT 4034

1.018 MeV (n,n') Level

40-Zr-93

-91.60 To 502.7 %

Cross Section



12

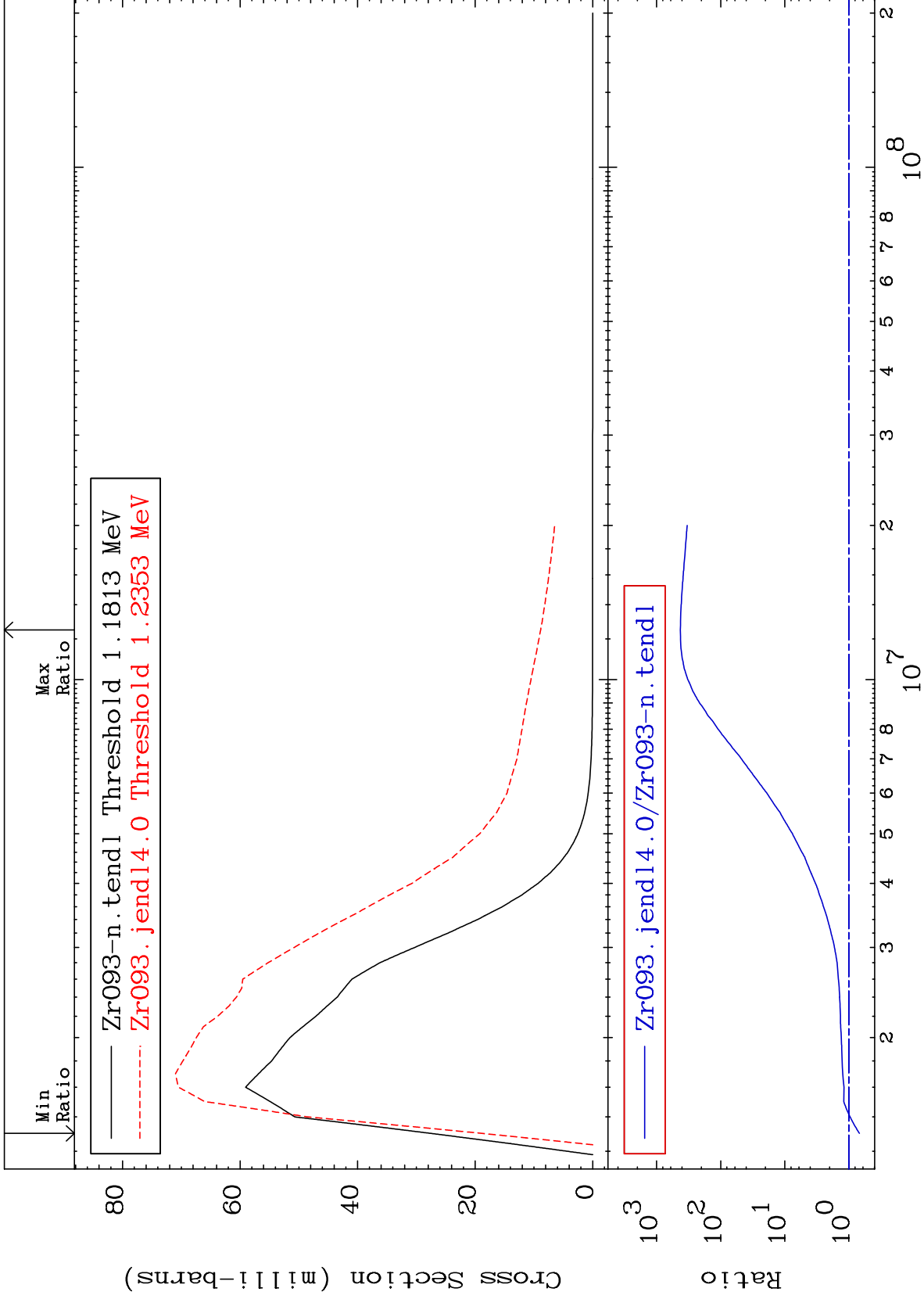
Incident Energy (eV)

40-Zr-93

MAT 4034

1.169 MeV (n,n') Level  
Cross Section

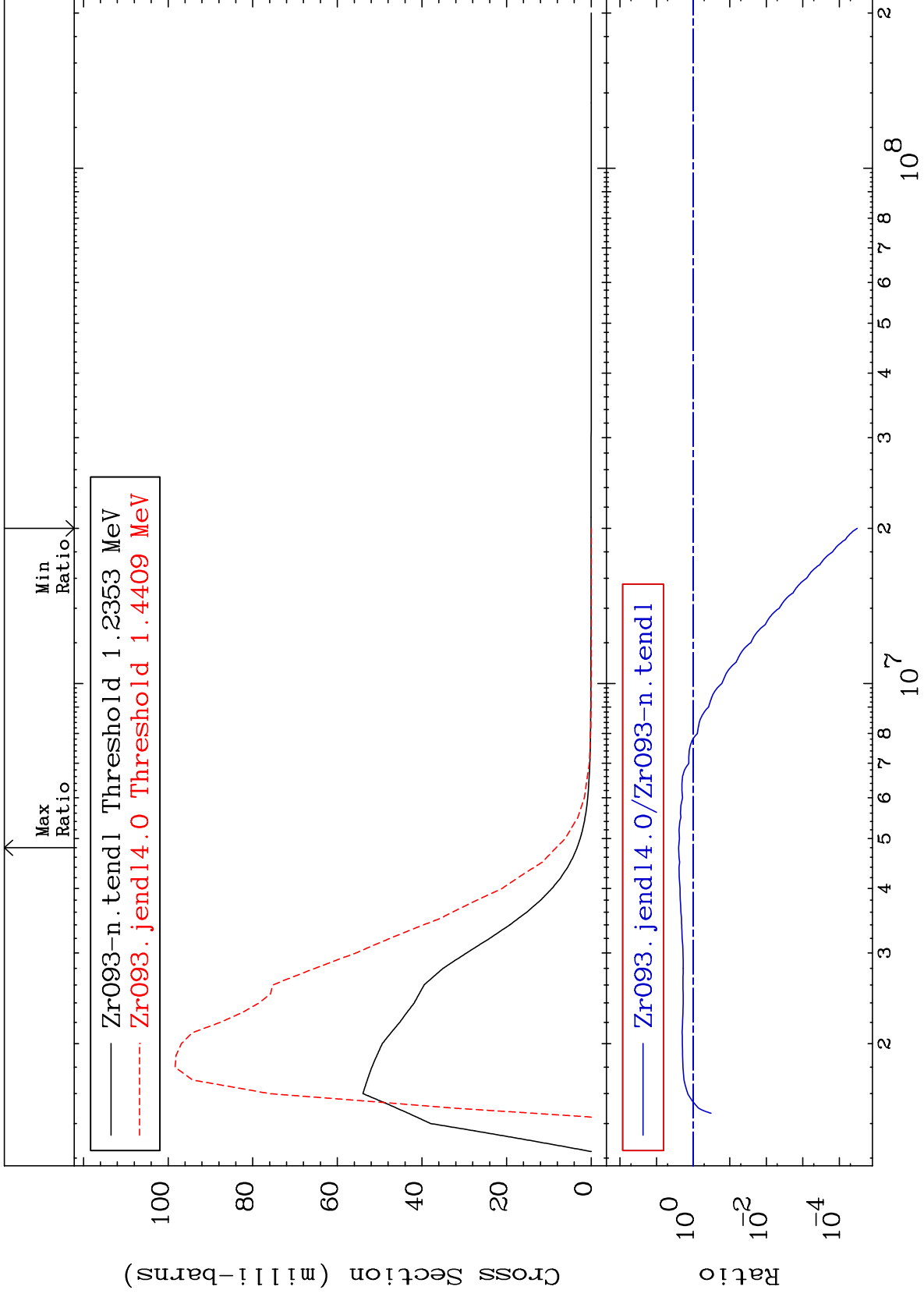
40-Zr-93  
-31.65 To 9999. %



MAT 4034

1.222 MeV (n,n') Level  
Cross Section

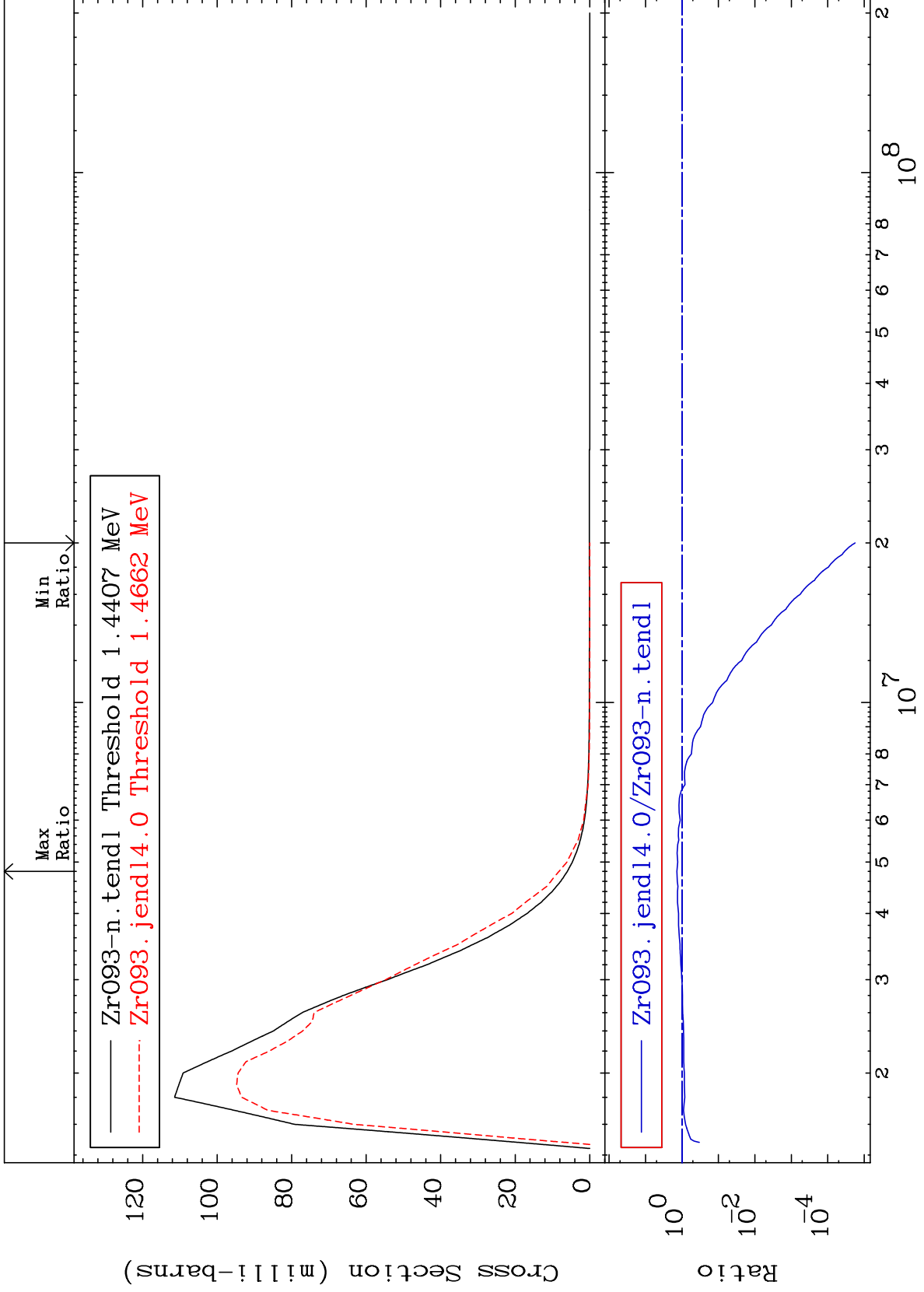
40-Zr-93  
-100.0 To 148.7 %



MAT 4034

1.425 MeV (n,n') Level  
Cross Section

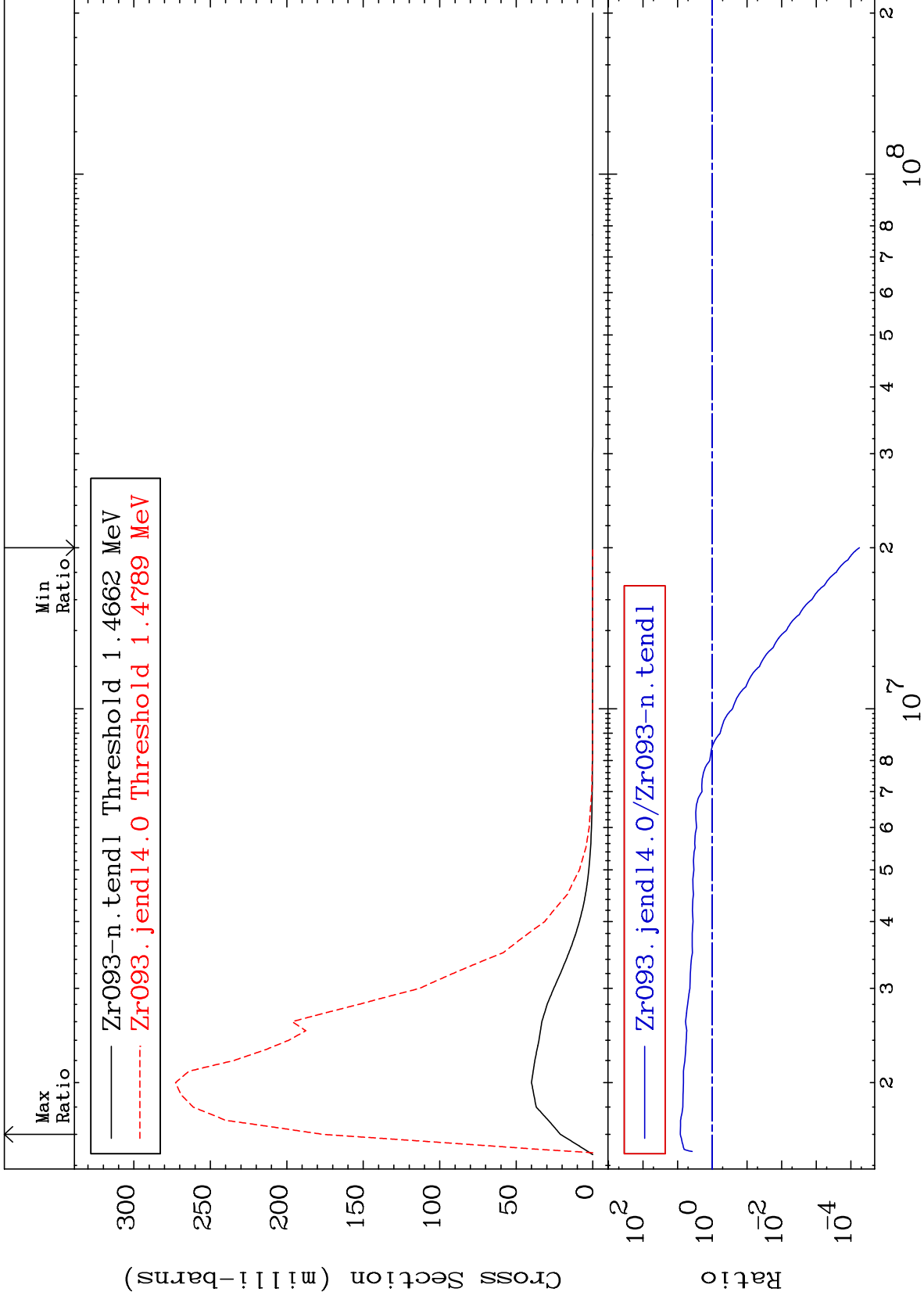
40-Zr-93  
-100.0 To 37.51 %



MAT 4034

1.450 MeV (n,n') Level  
Cross Section

40-Zr-93  
-99.99 To 735.8 %

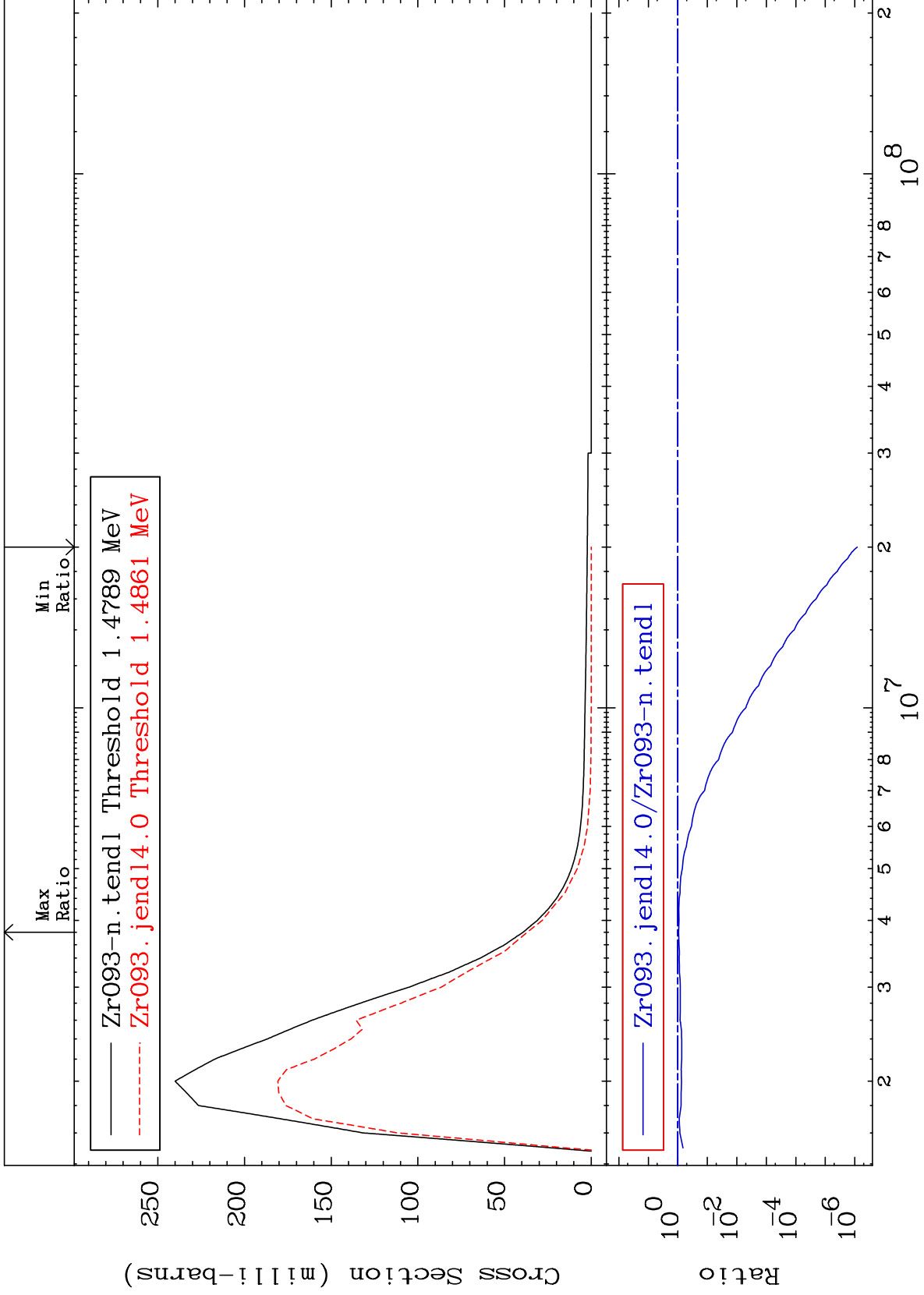




MAT 4034

1.463 MeV (n,n') Level  
Cross Section

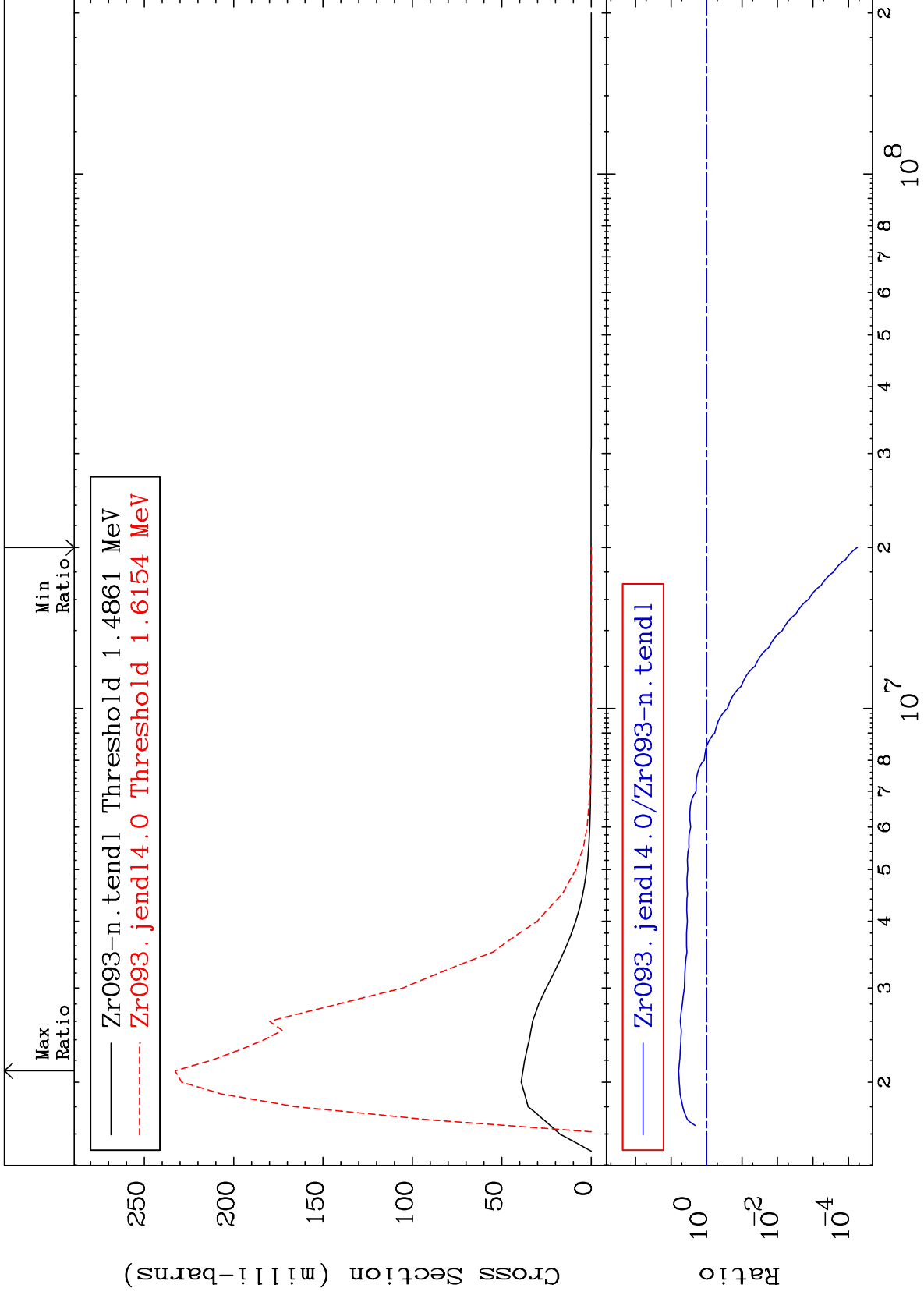
40-Zr-93  
-100.0 To -6.091%



MAT 4034

1.470 MeV (n,n') Level  
Cross Section

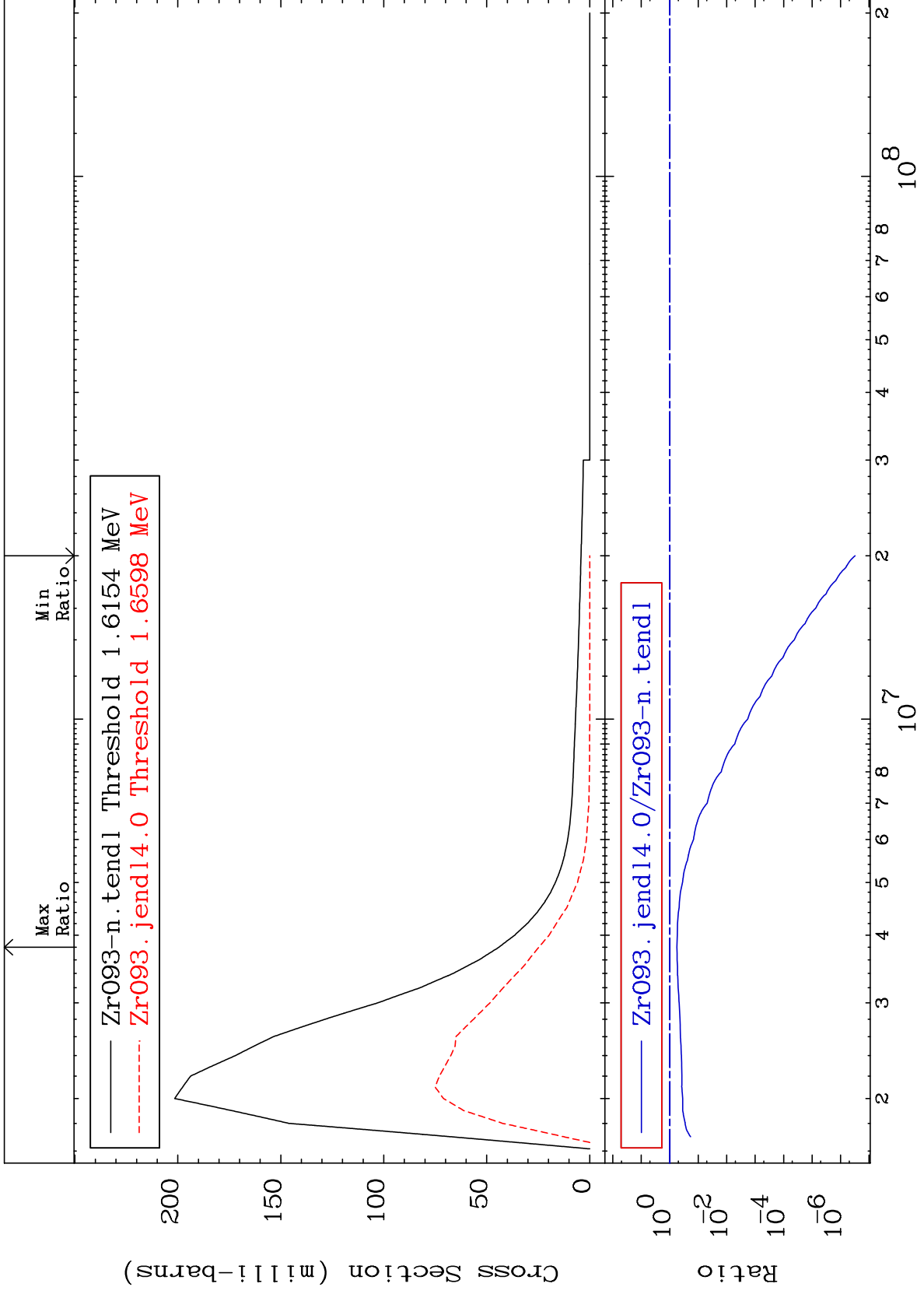
40-Zr-93  
-99.99 To 509.9 %



MAT 4034

1.598 MeV (n,n') Level  
Cross Section

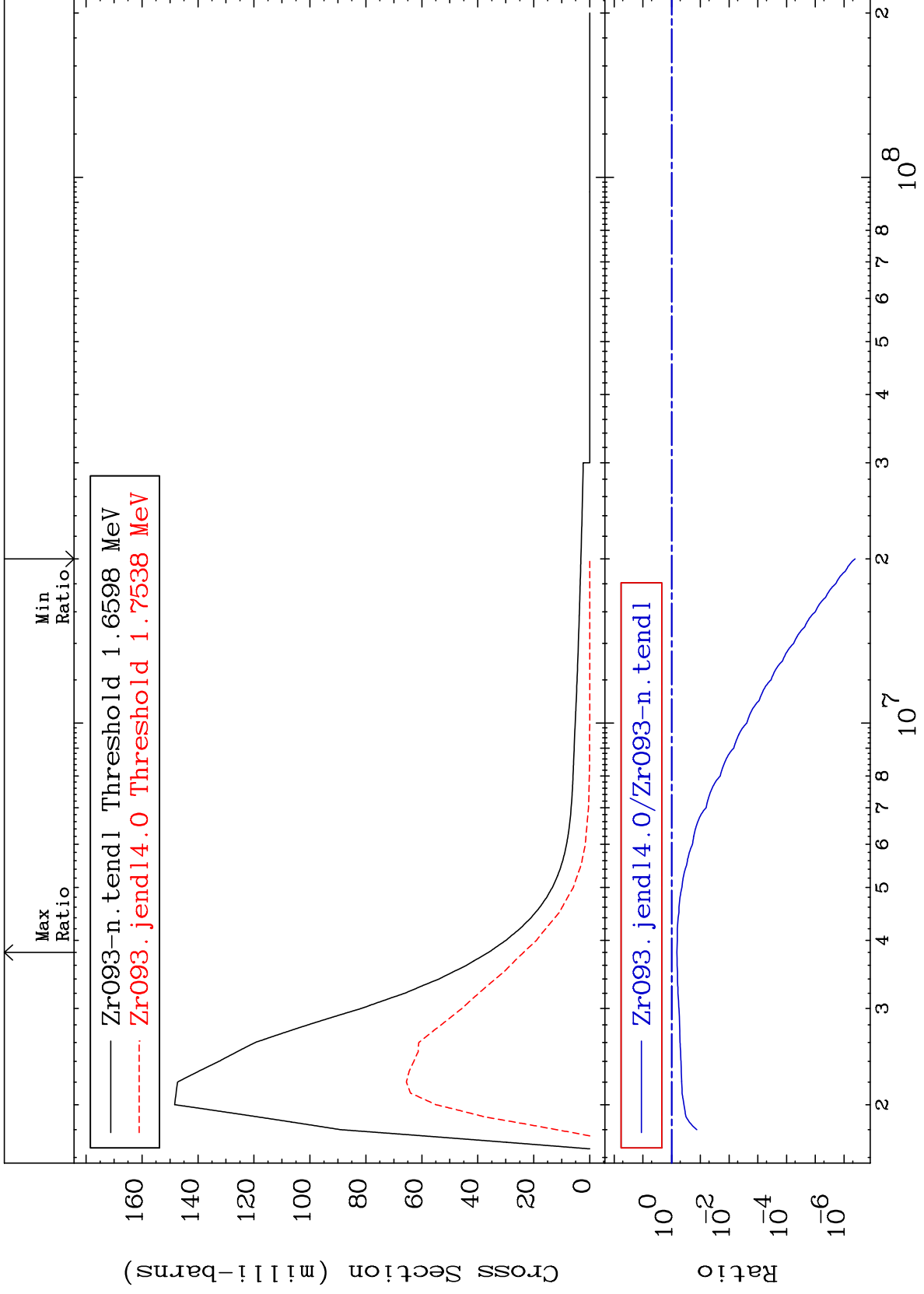
40-Zr-93  
-100.0 To -43.95%



MAT 4034

1.642 MeV (n,n') Level  
Cross Section

40-Zr-93  
-100.0 To -34.52%



20

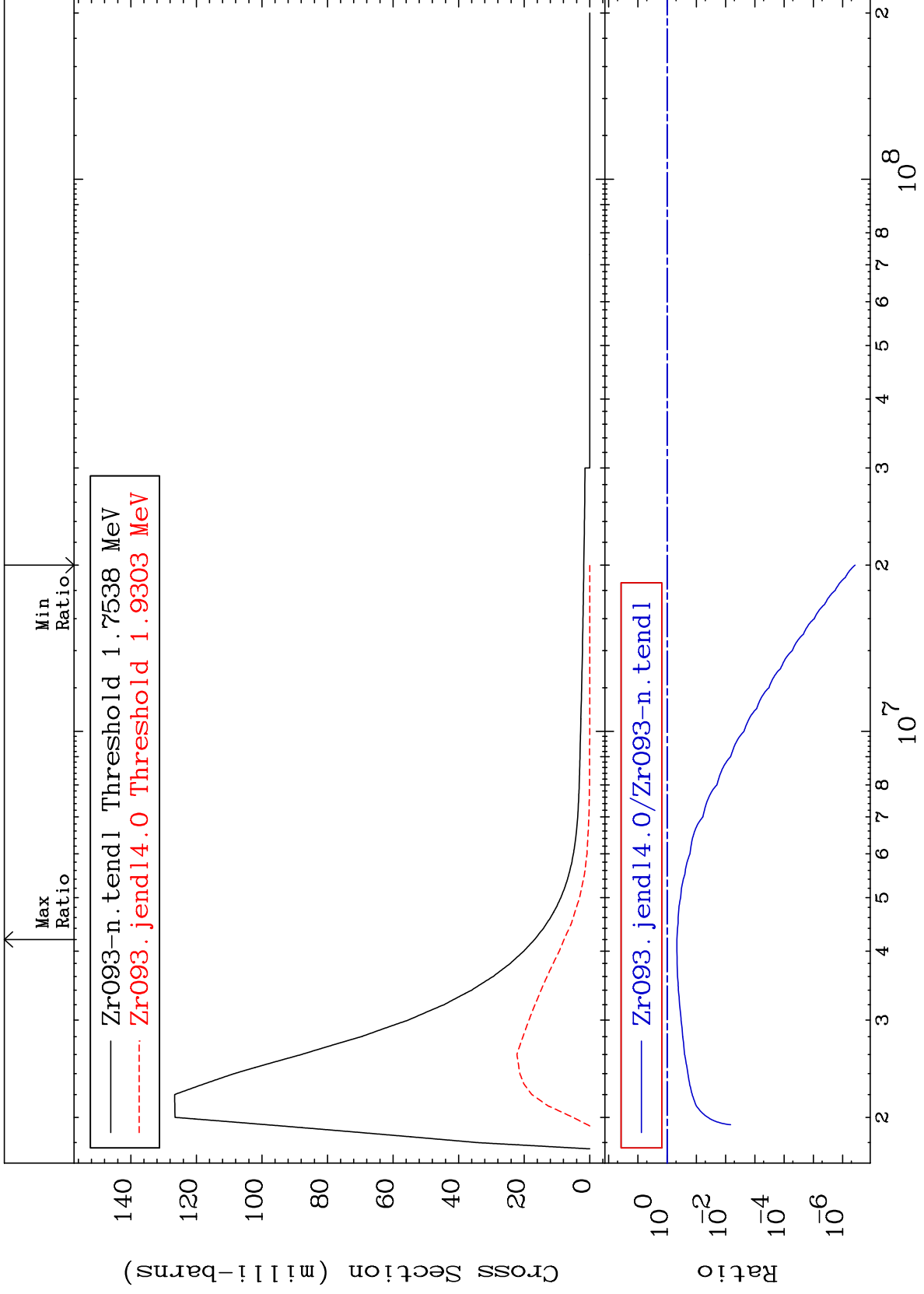
Incident Energy (eV)

40-Zr-93

MAT 4034

1.735 MeV (n,n') Level  
Cross Section

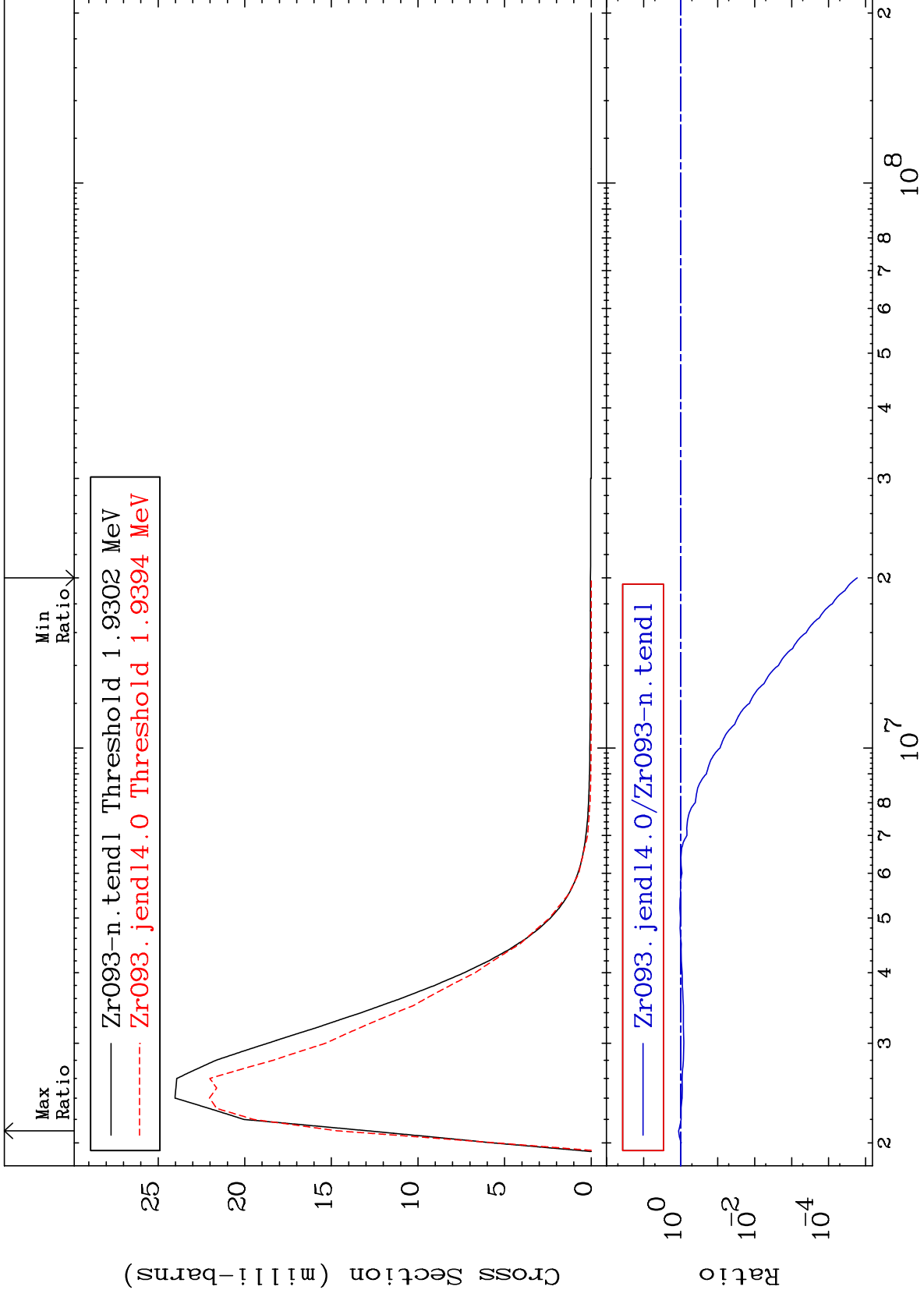
40-Zr-93  
-100.0 To -53.62%



MAT 4034

1.910 MeV (n,n') Level  
Cross Section

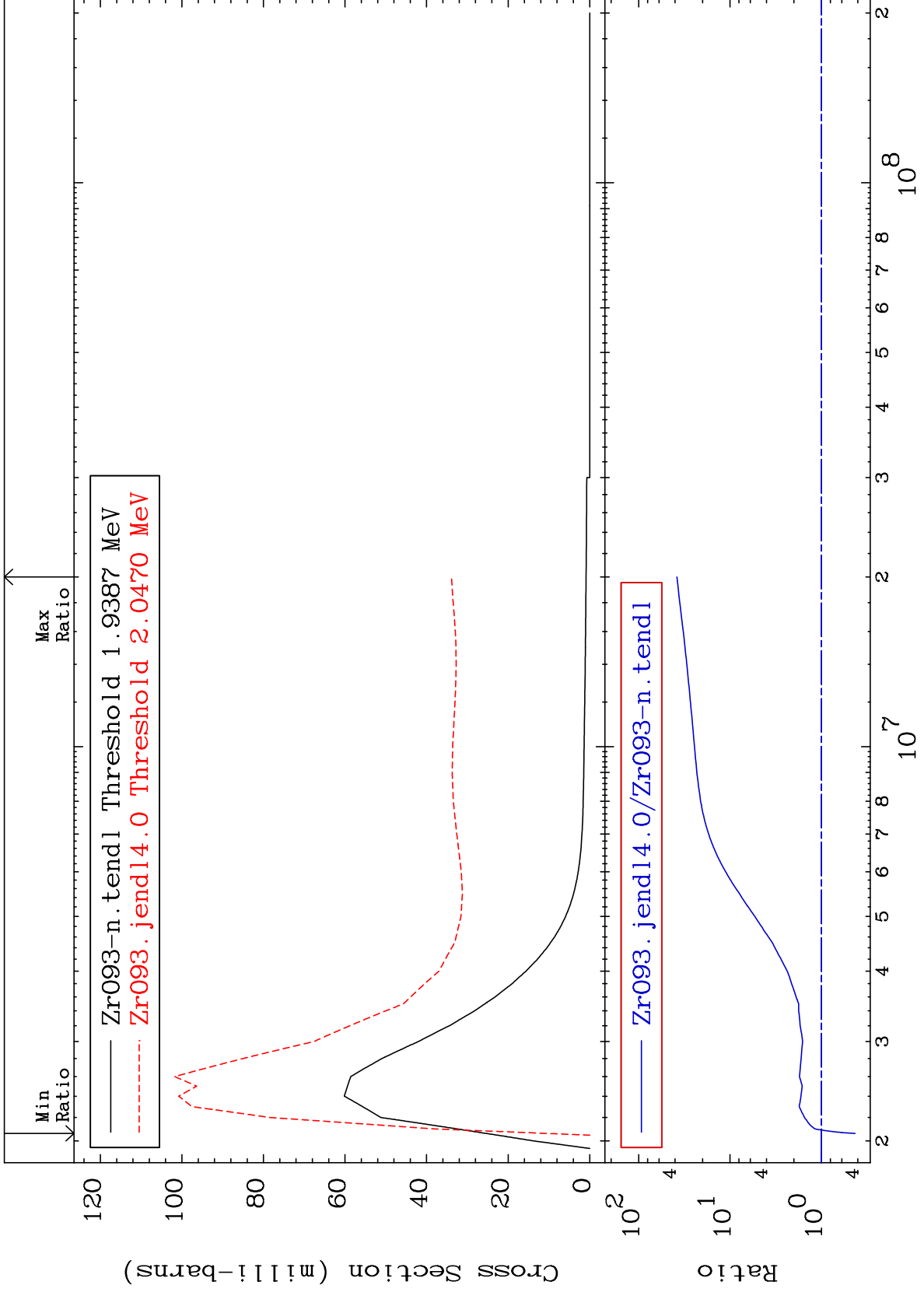
40-Zr-93  
-100.0 To 13.67 %



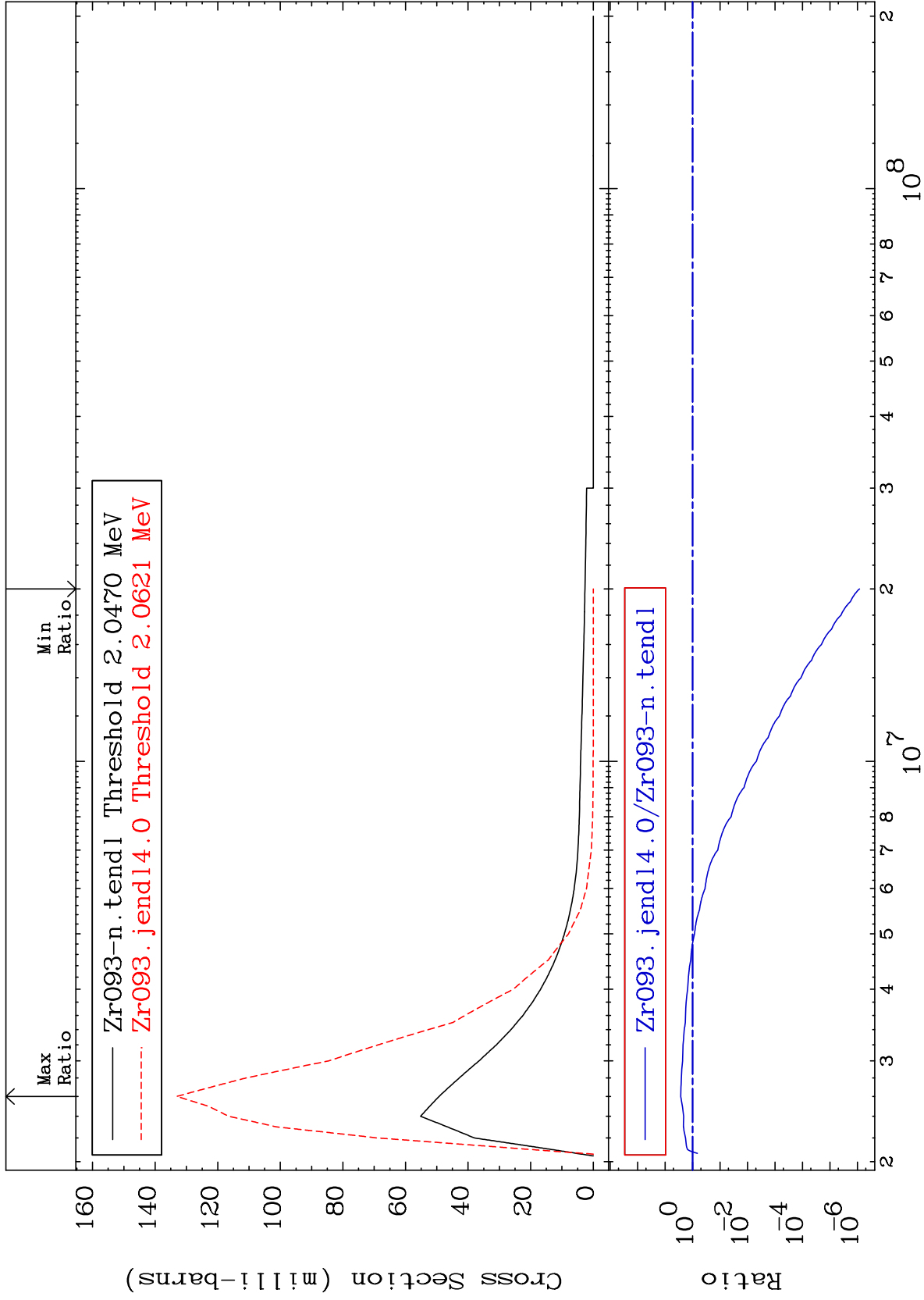
MAT 4034

1.918 MeV (n,n') Level  
Cross Section

40-Zr-93  
-57.15 To 3715. %



MAT 4034      2.025 MeV (n,n') Level      40-Zr-93  
 Cross Section      -100.0 To 170.1 %

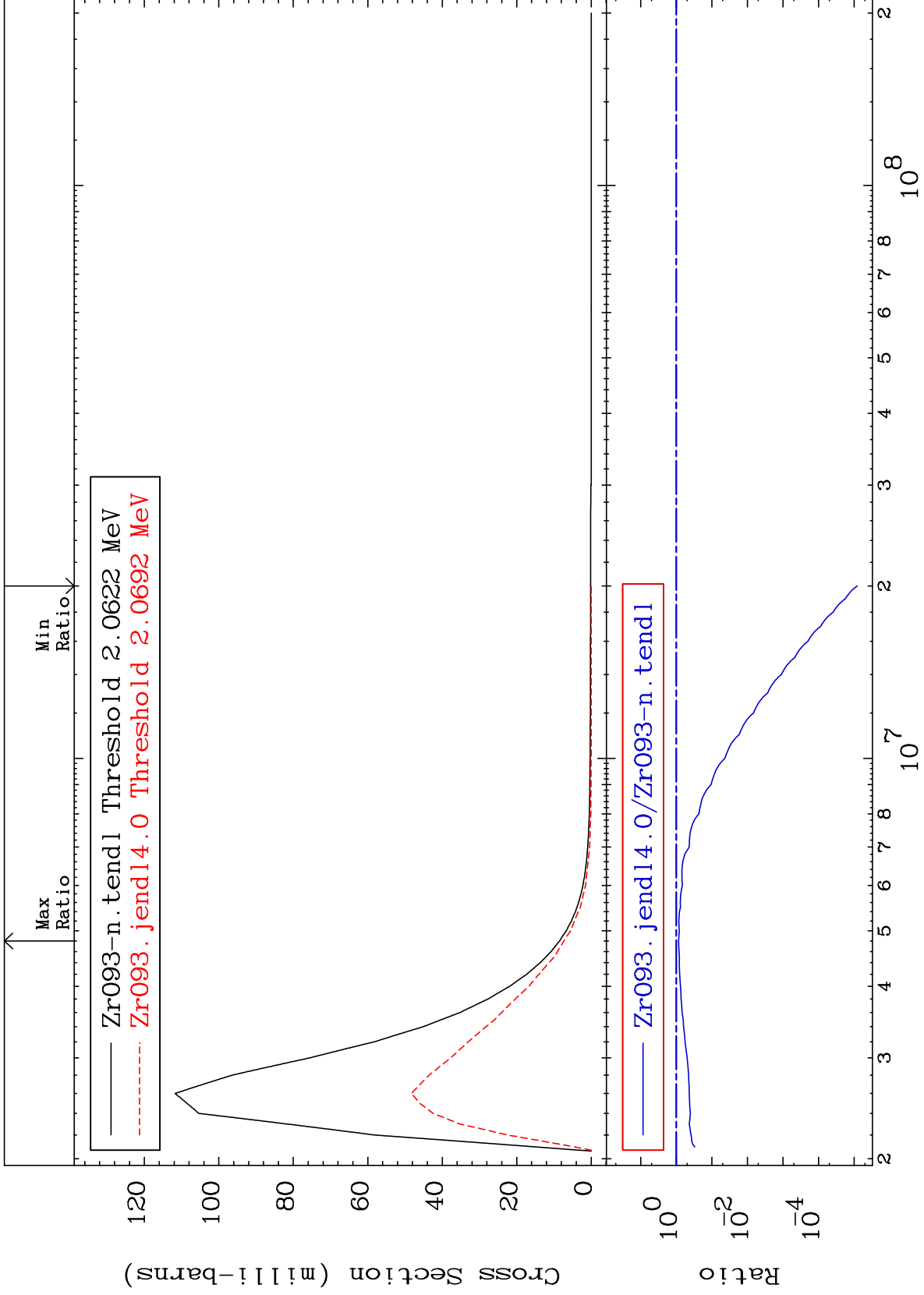




MAT 4034

2.040 MeV (n,n') Level  
Cross Section

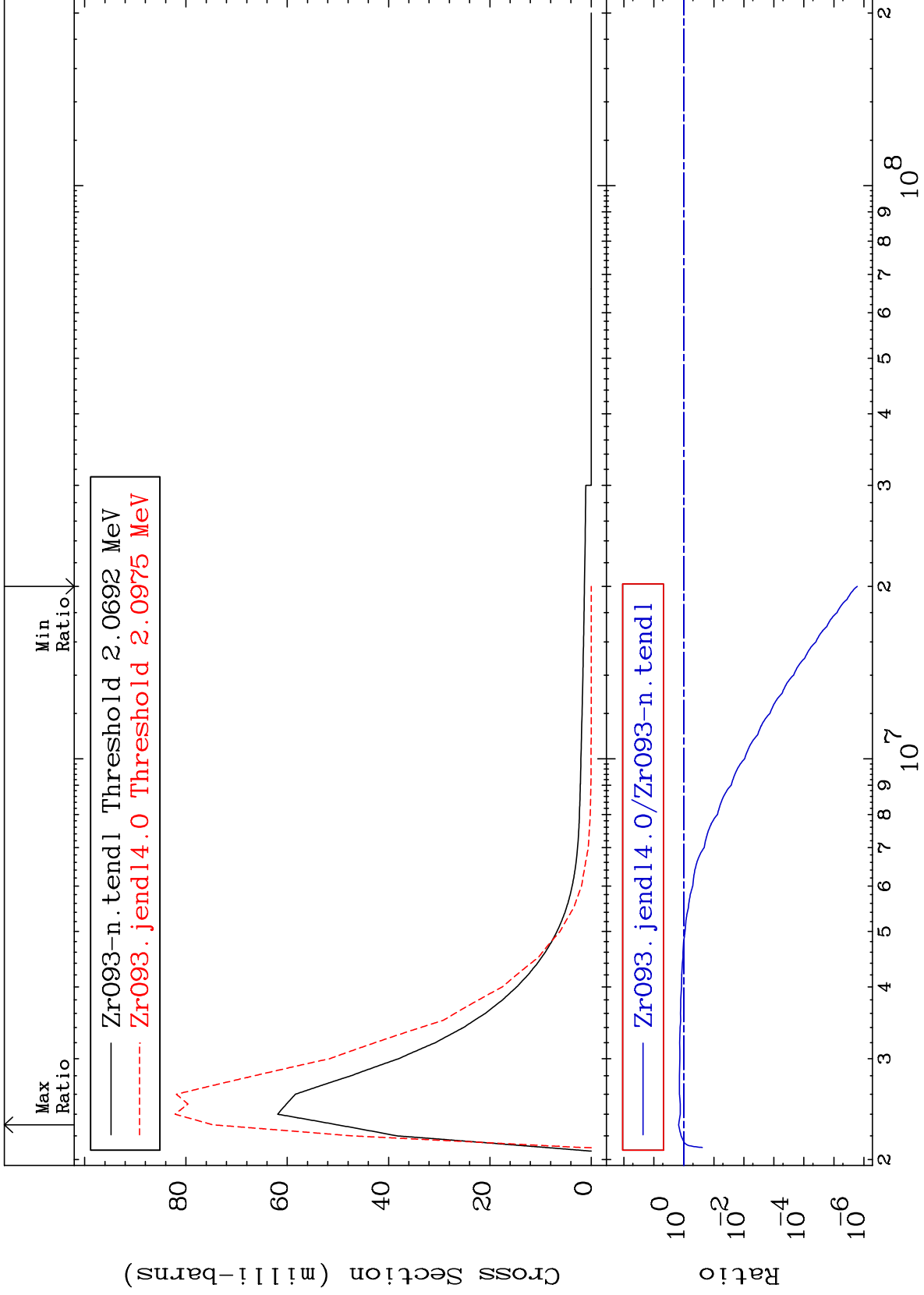
40-Zr-93  
-100.0 To -13.91%



MAT 4034

2.047 MeV (n,n') Level  
Cross Section

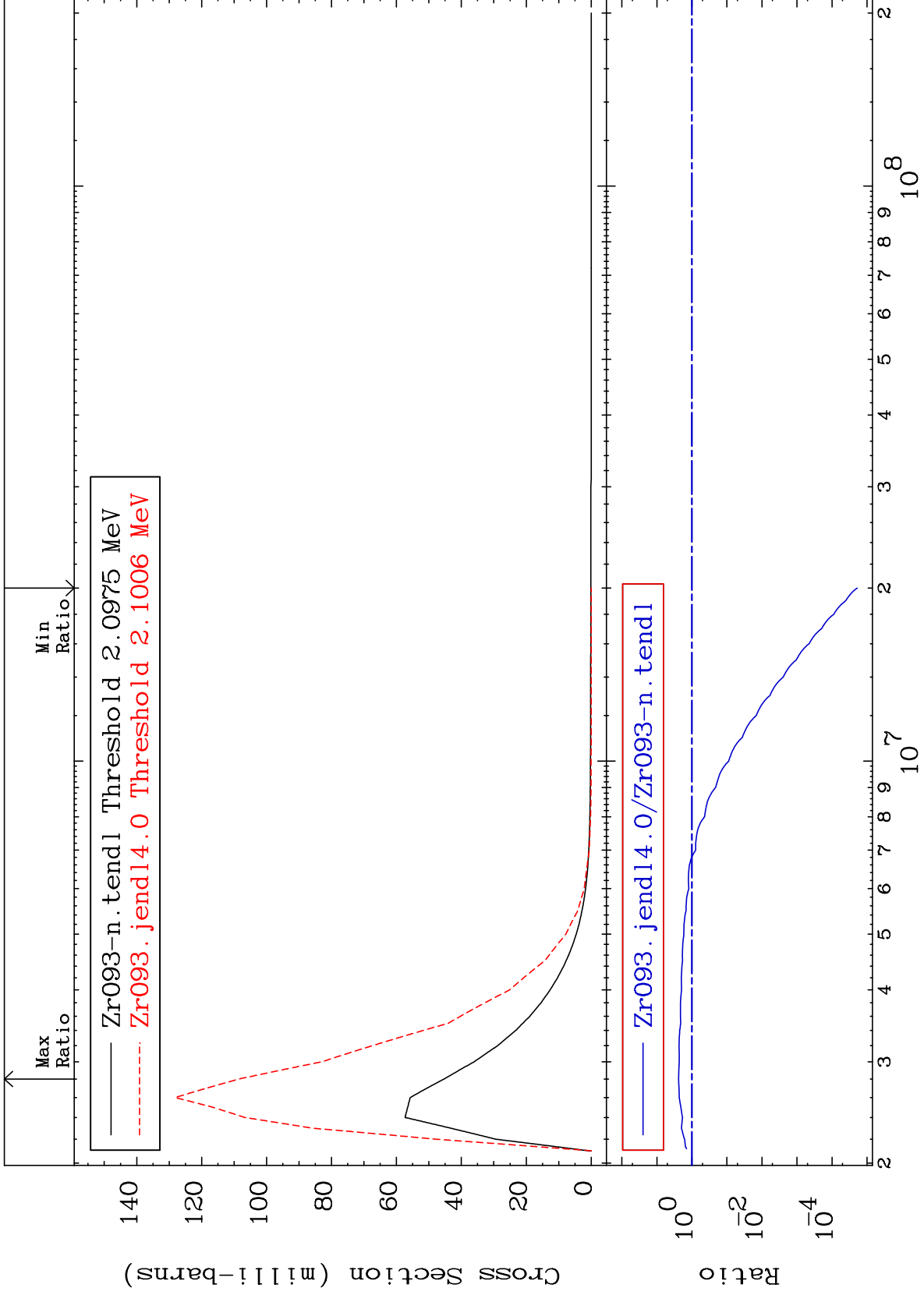
40-Zr-93  
-100.0 To 49.14 %



MAT 4034

2.075 MeV (n,n') Level  
Cross Section

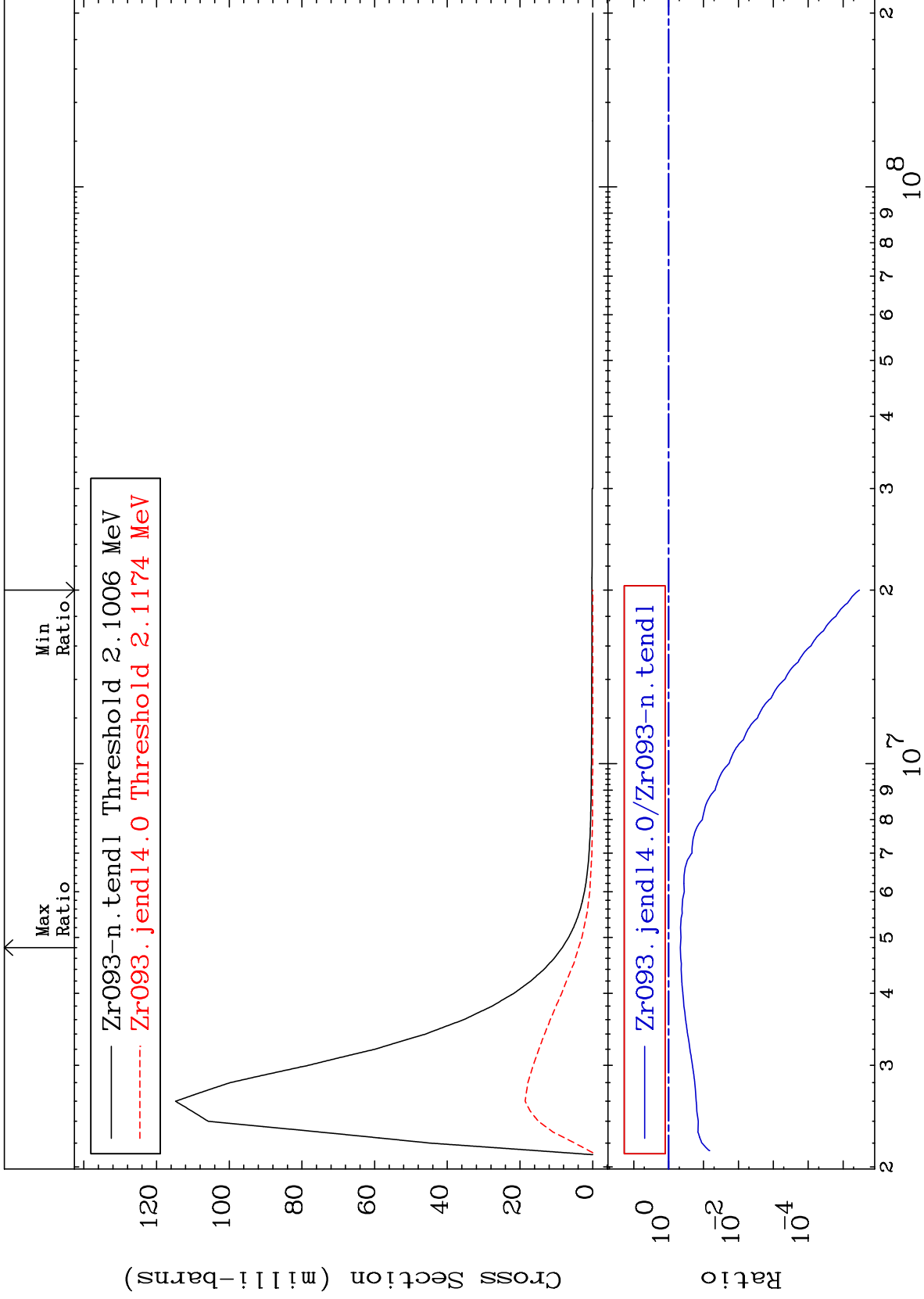
40-Zr-93  
-100.0 To 139.3 %



MAT 4034

2.078 MeV (n,n') Level  
Cross Section

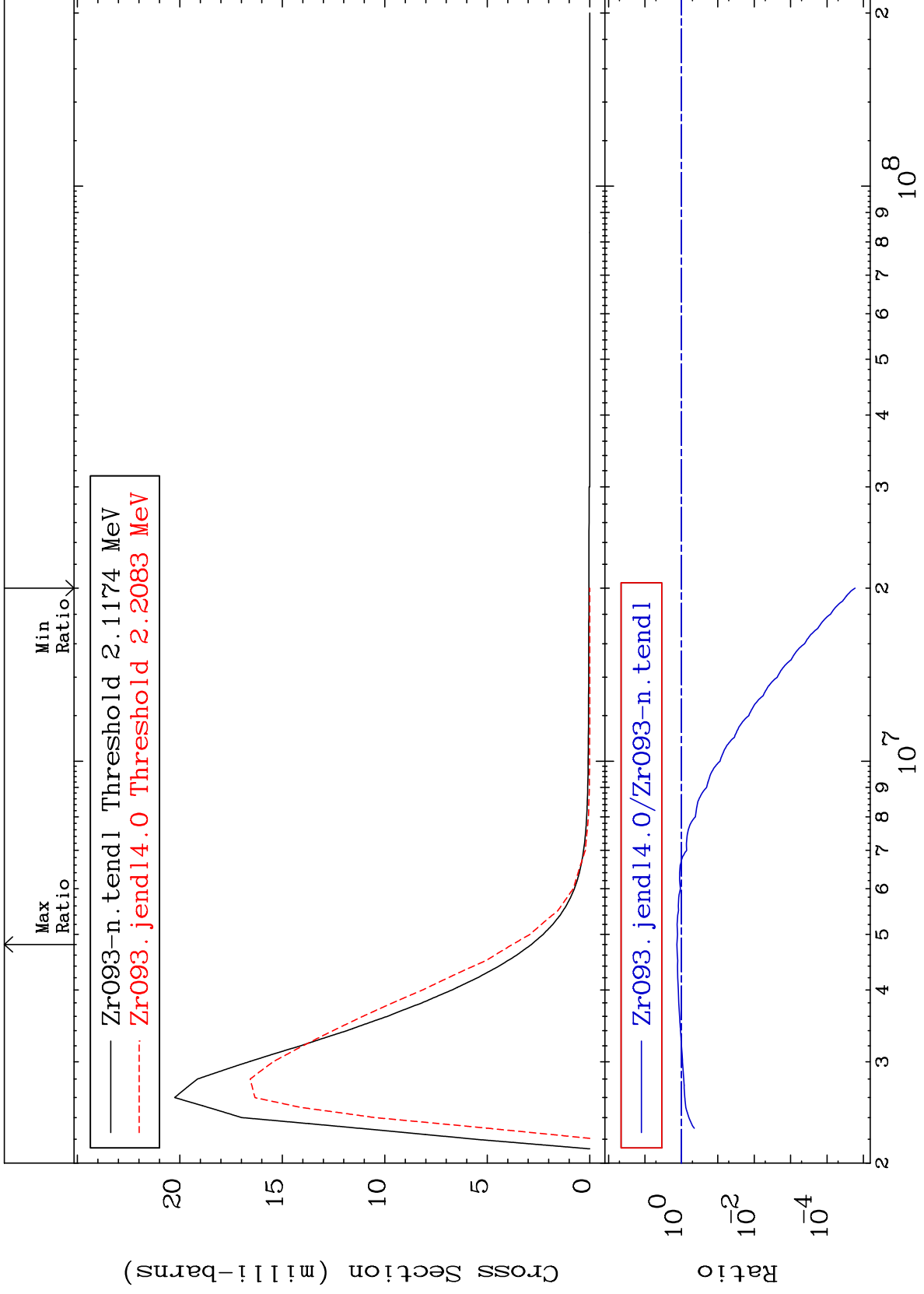
40-Zr-93  
-100.0 To -53.74%



MAT 4034

2.095 MeV (n,n') Level  
Cross Section

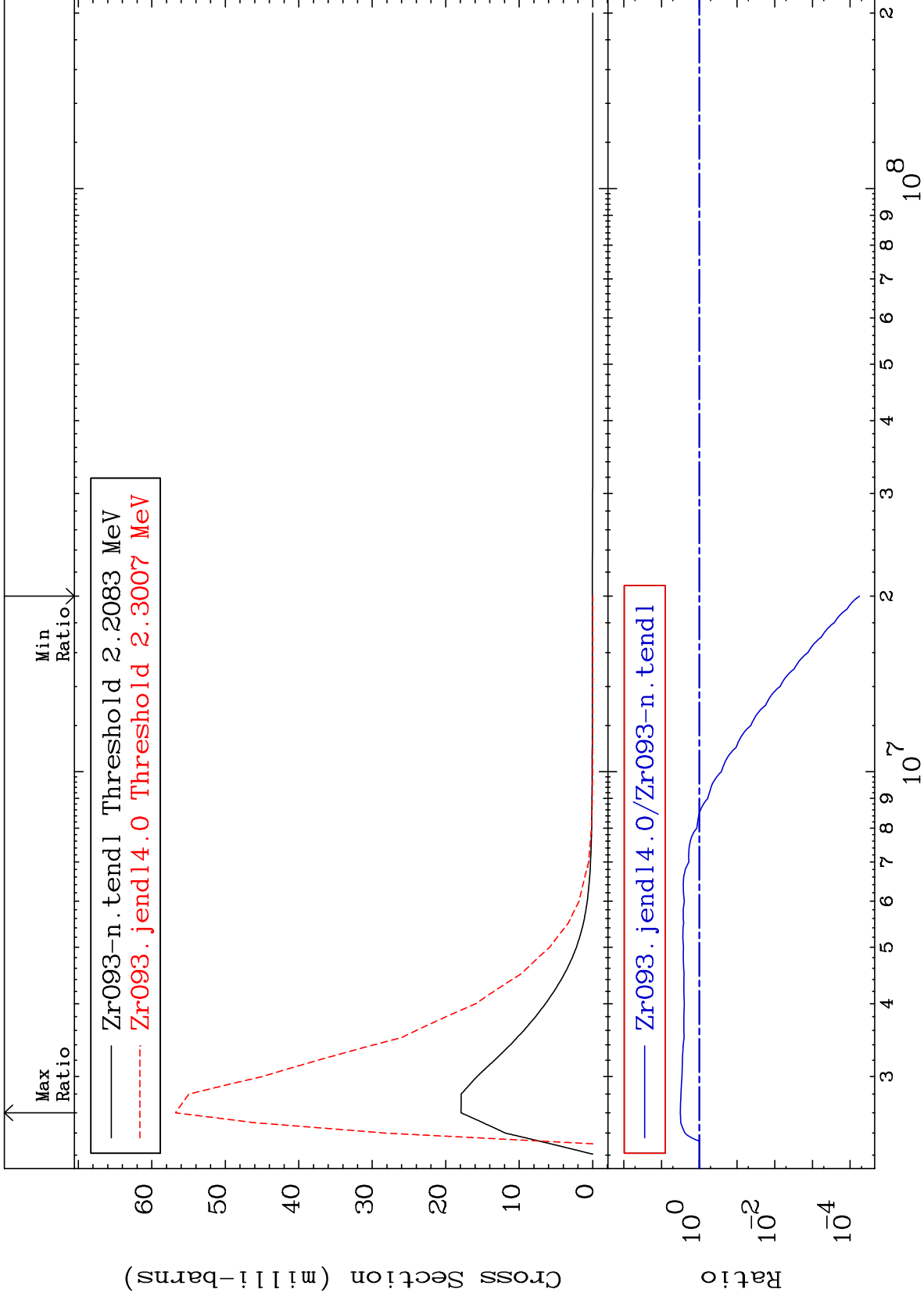
40-Zr-93  
-100.0 To 32.59 %



MAT 4034

2.185 MeV (n,n') Level  
Cross Section

40-Zr-93  
-99.99 To 216.8 %



30

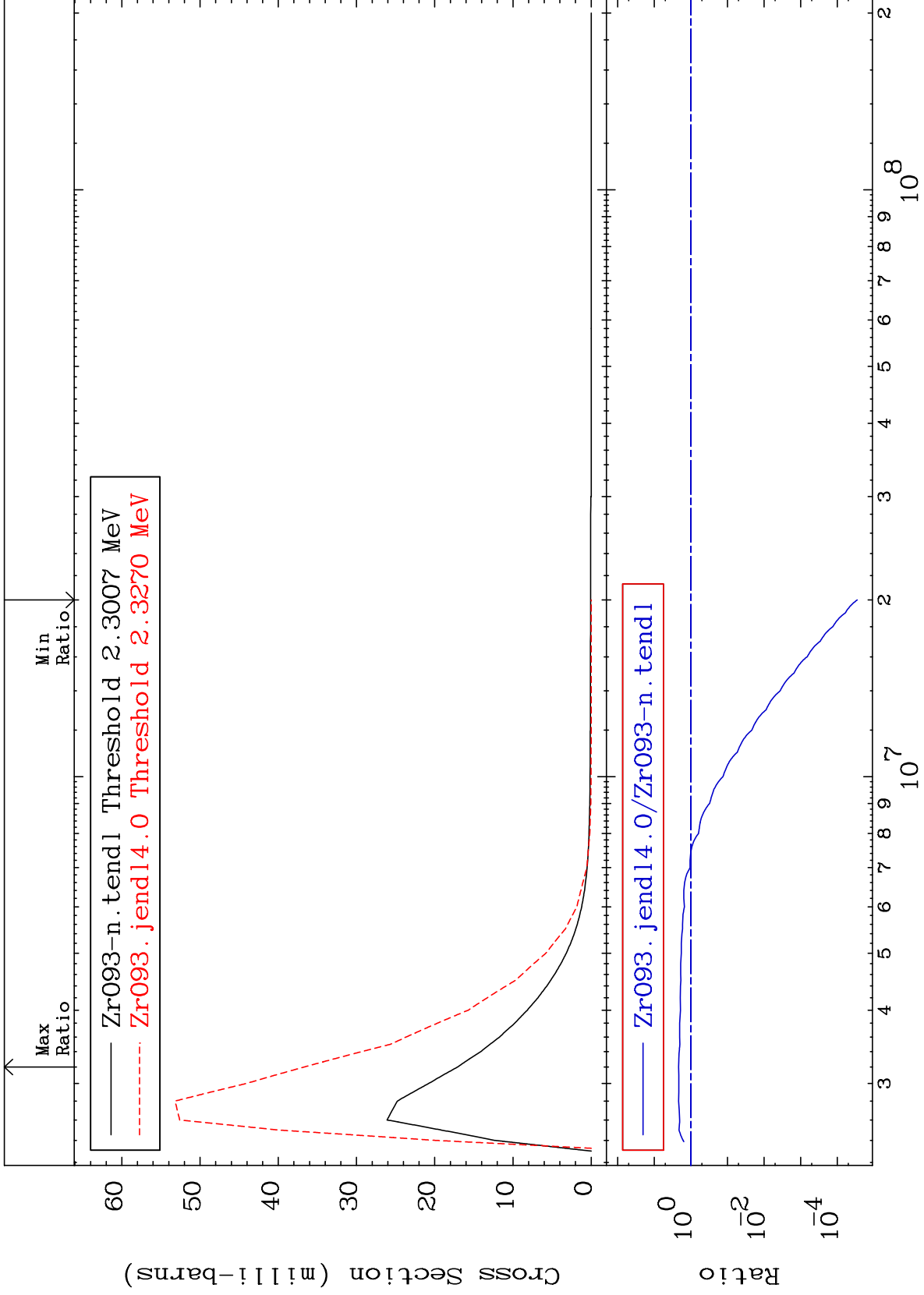
Incident Energy (eV)

40-Zr-93

MAT 4034

2.276 MeV (n,n') Level  
Cross Section

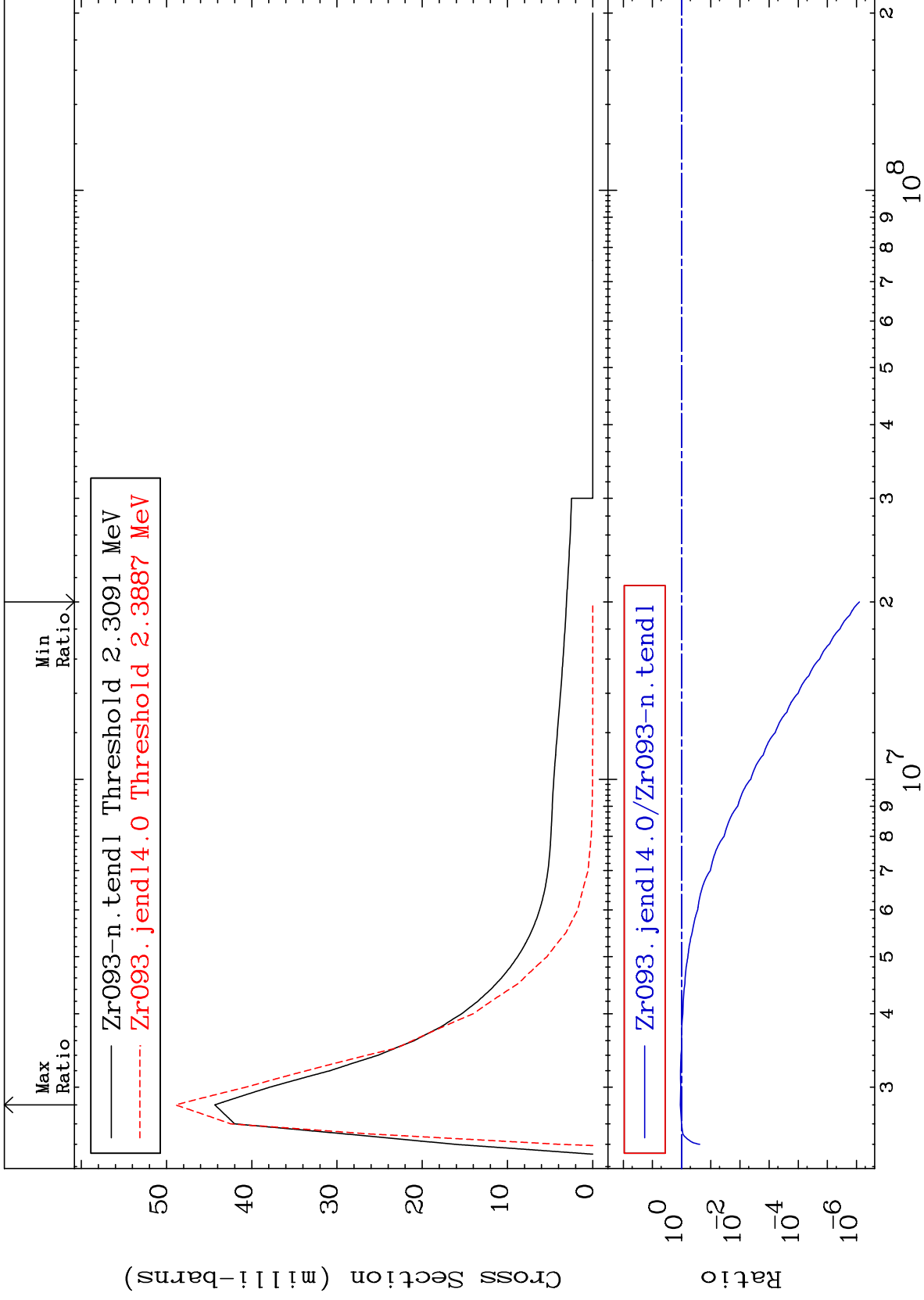
40-Zr-93  
-100.0 To 114.7 %



MAT 4034

2.284 MeV (n,n') Level  
Cross Section

40-Zr-93  
-100.0 To 10.38 %

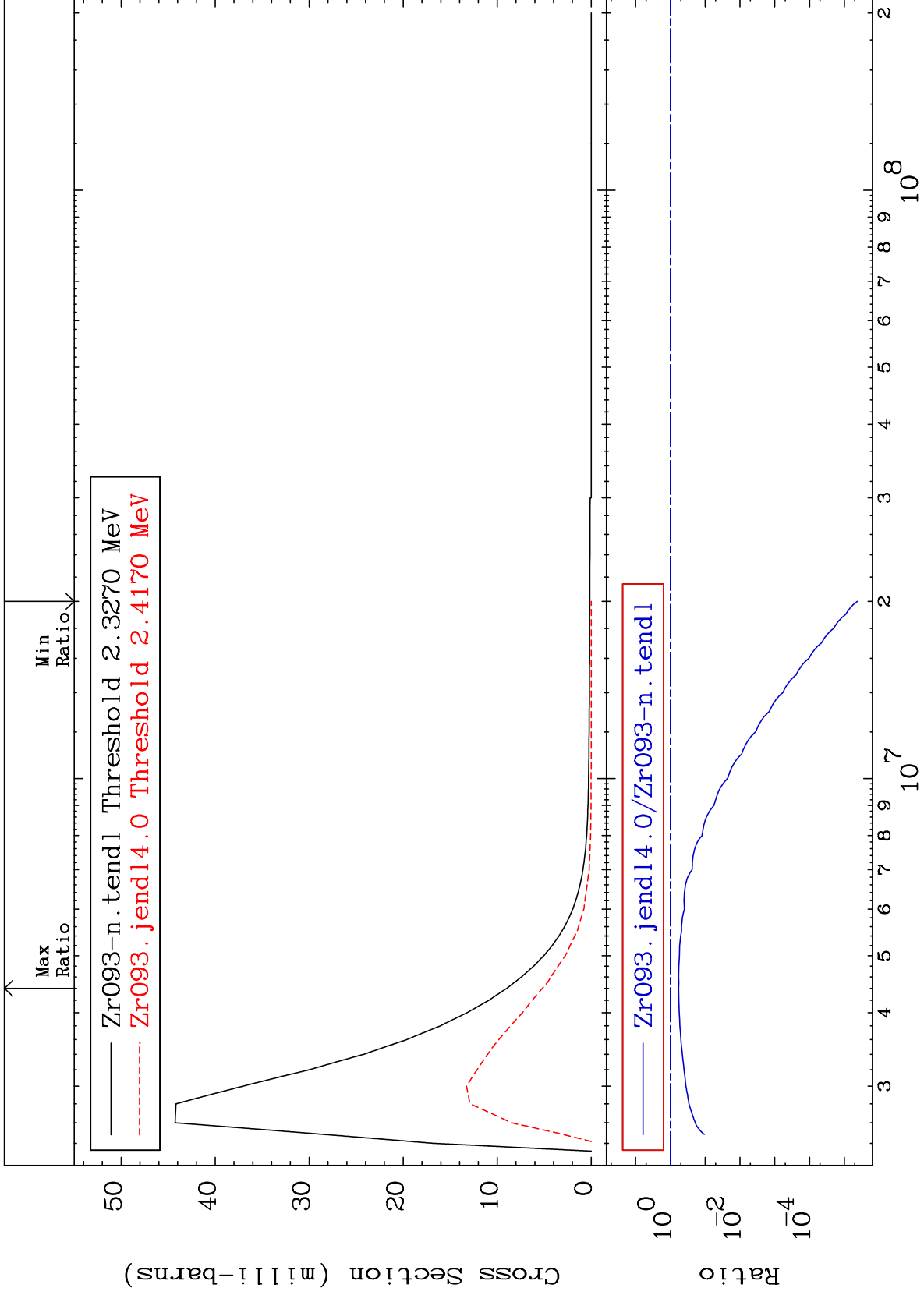




MAT 4034

2.302 MeV (n,n') Level  
Cross Section

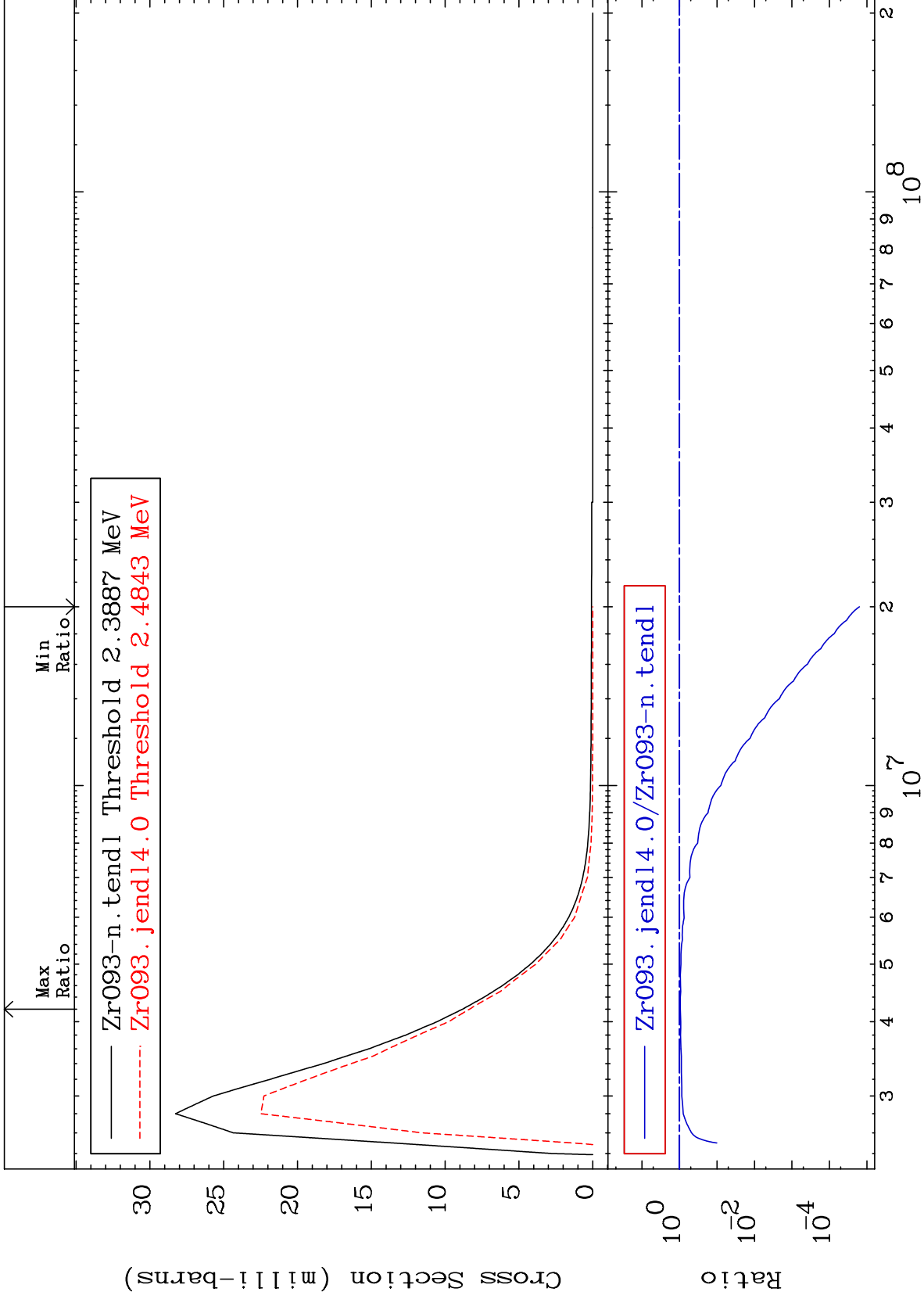
40-Zr-93  
-100.0 To -42.10%



MAT 4034

2.363 MeV (n,n') Level  
Cross Section

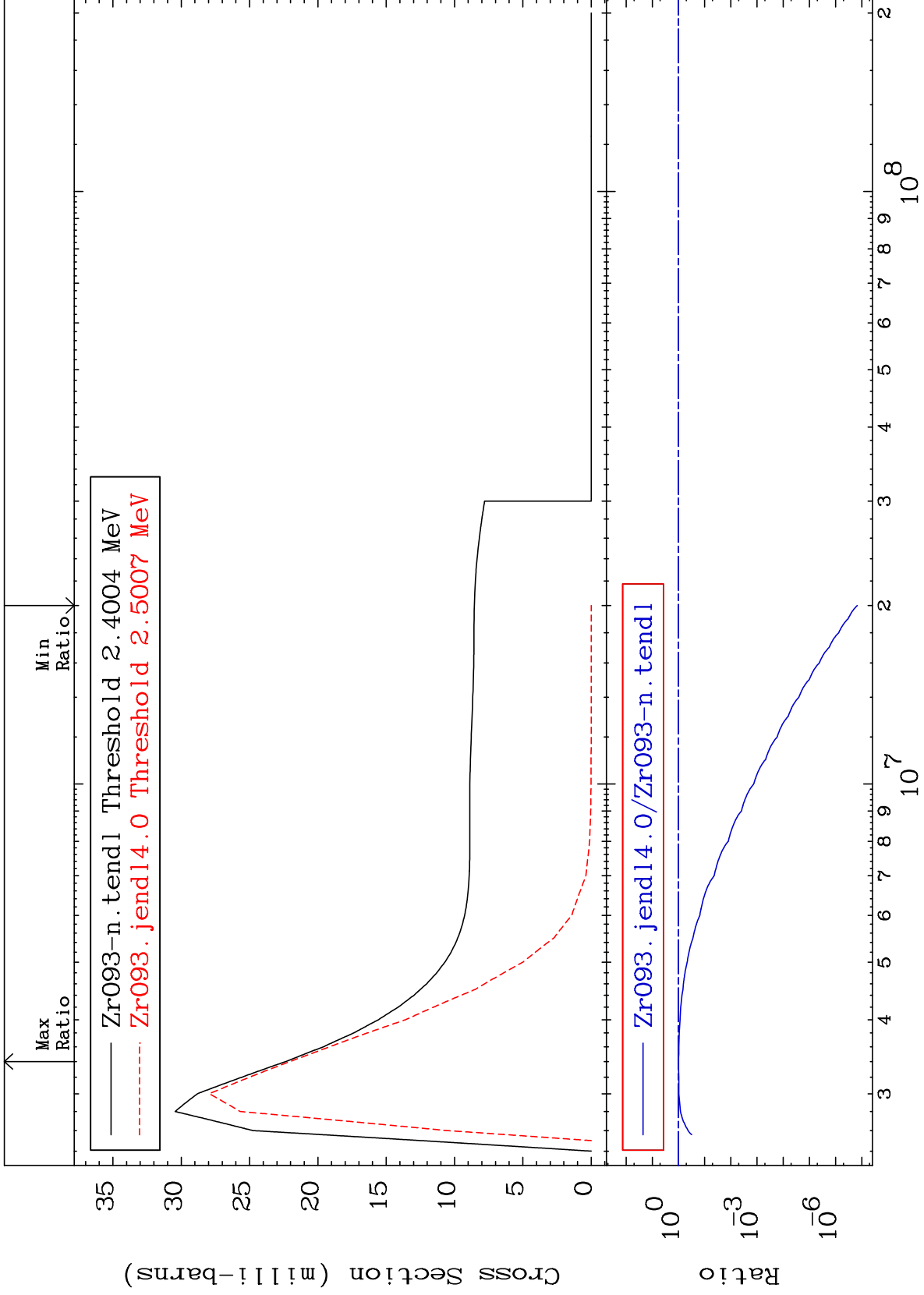
40-Zr-93  
-100.0 To -5.168%



MAT 4034

2.375 MeV (n,n') Level  
Cross Section

40-Zr-93  
-100.0 To -1.403%



35

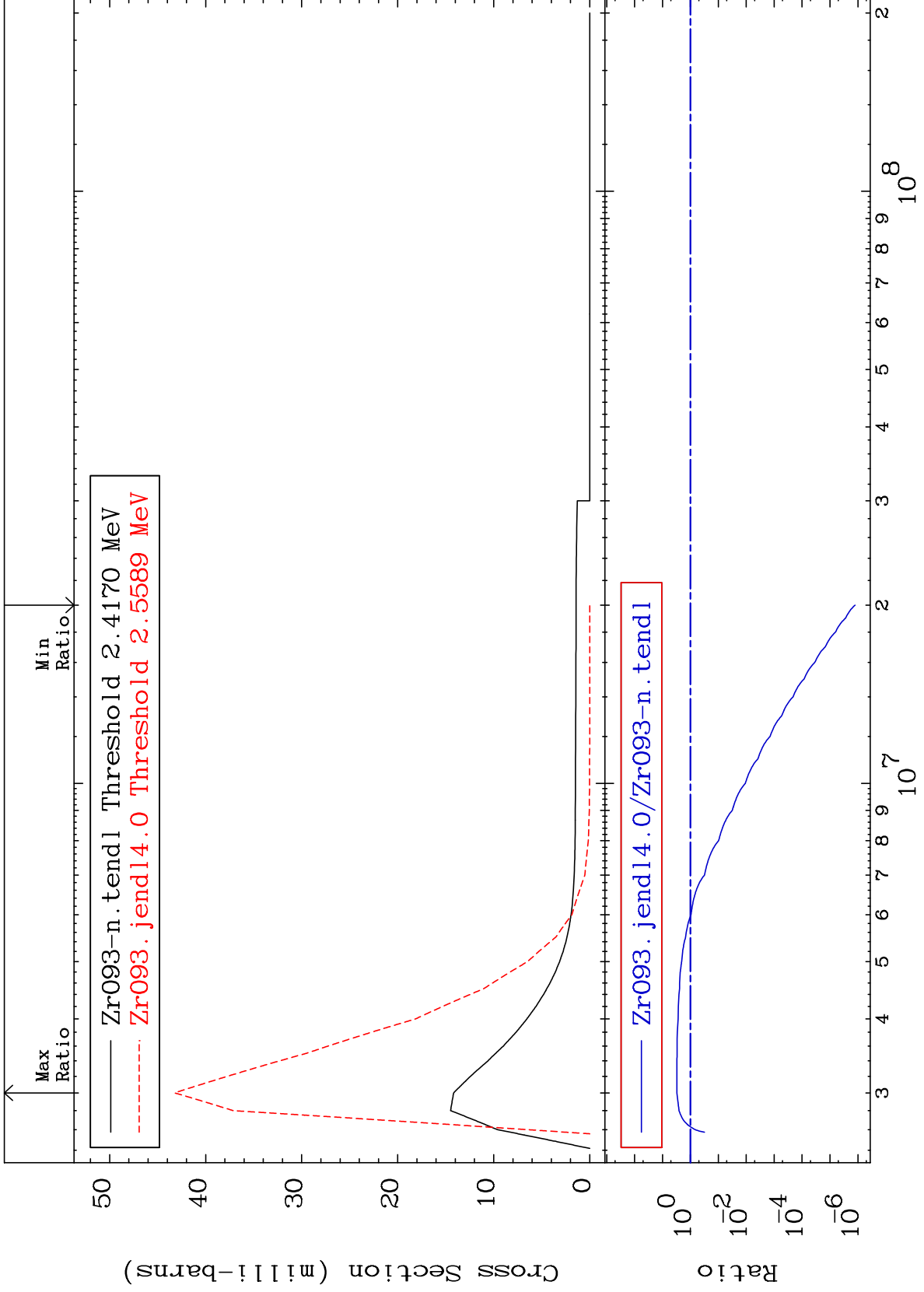
Incident Energy (eV)

40-Zr-93

MAT 4034

2.391 MeV (n,n') Level  
Cross Section

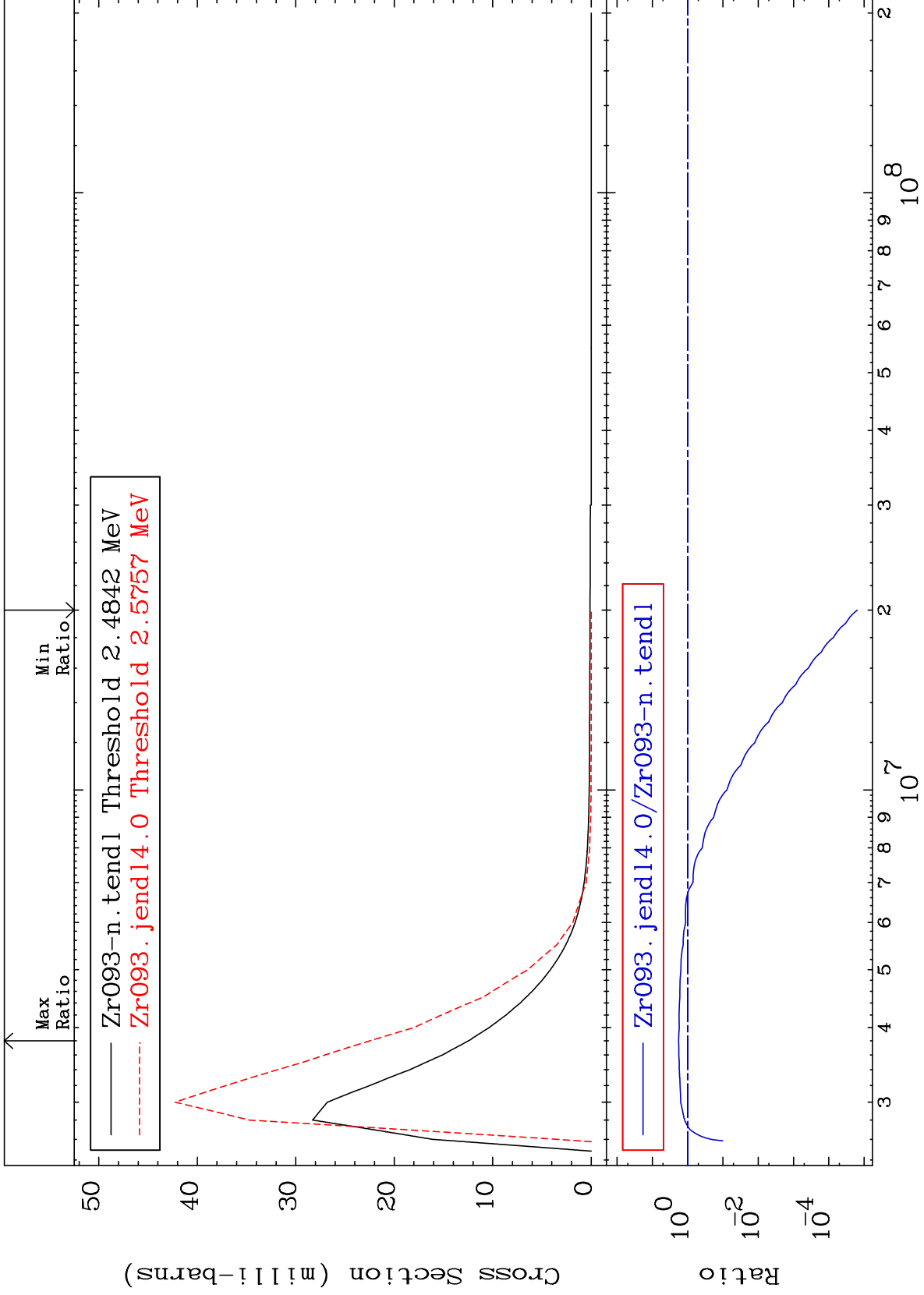
40-Zr-93  
-100.0 To 205.1 %



MAT 4034

2.458 MeV (n,n') Level  
Cross Section

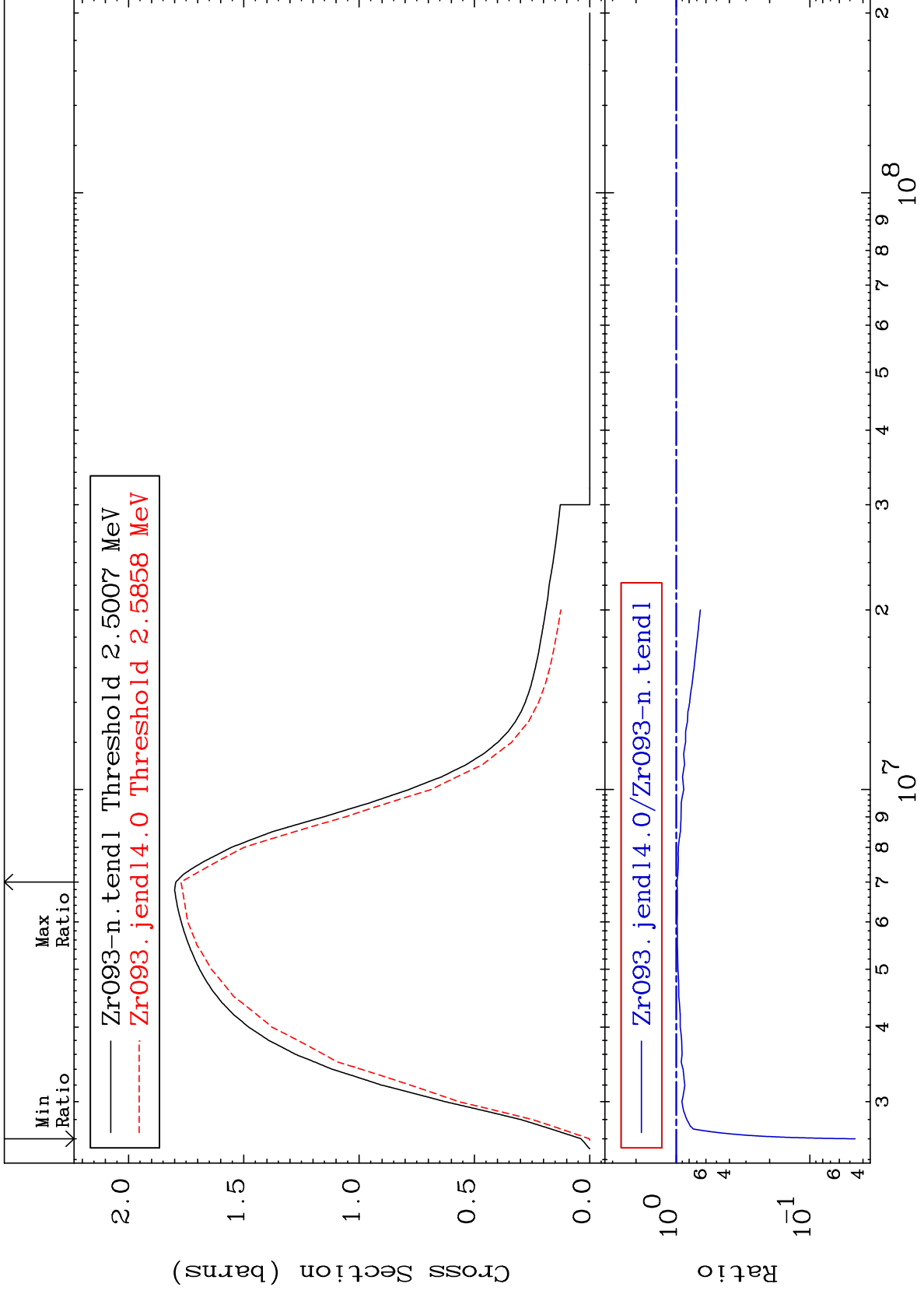
40-Zr-93  
-100.0 To 80.53 %



MAT 4034

(n, n') Continuum  
Cross Section

40-Zr-93  
-95.42 To -1.255%



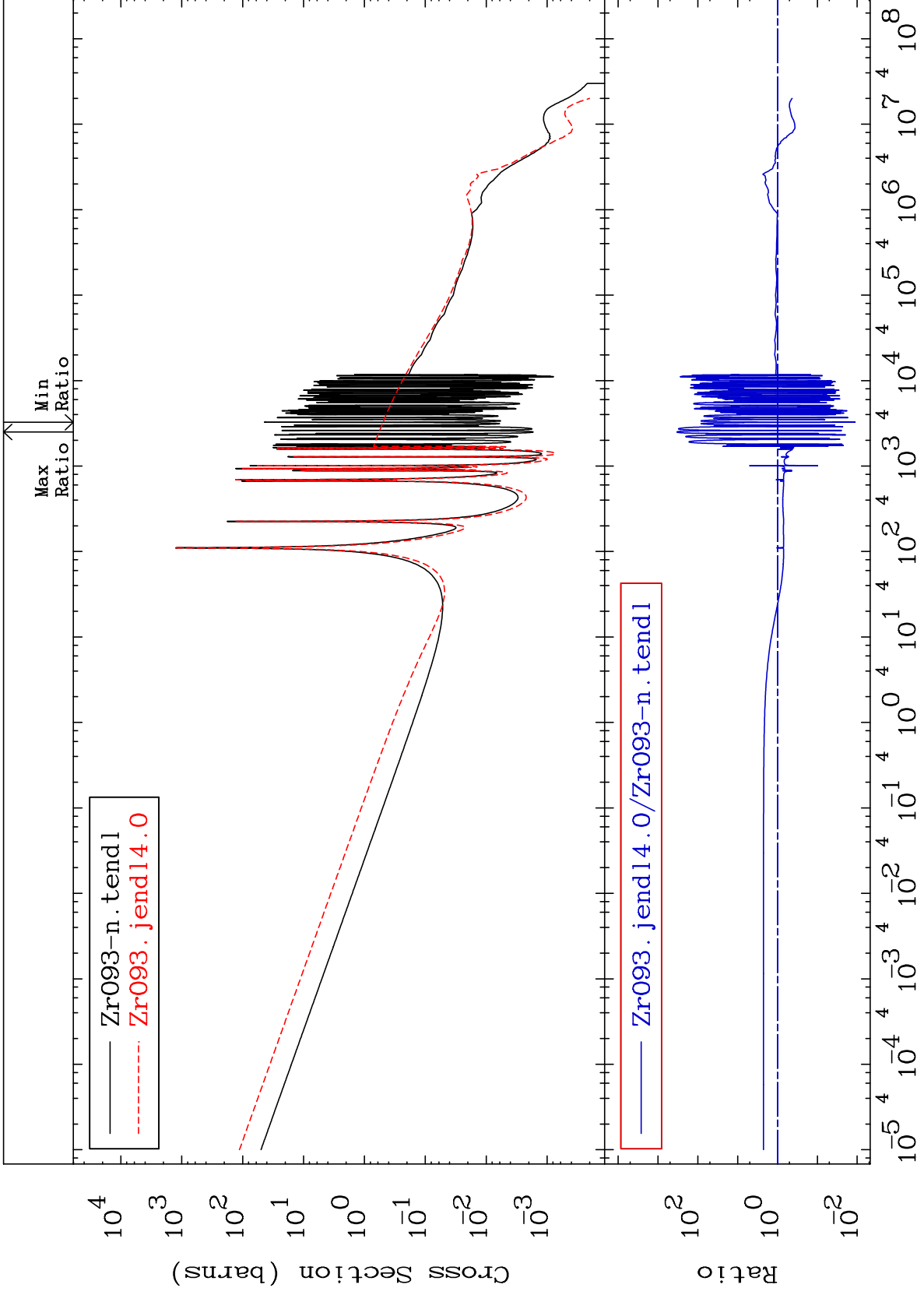
MAT 4034

(n,  $\gamma$ )

40-Zr-93

Cross Section

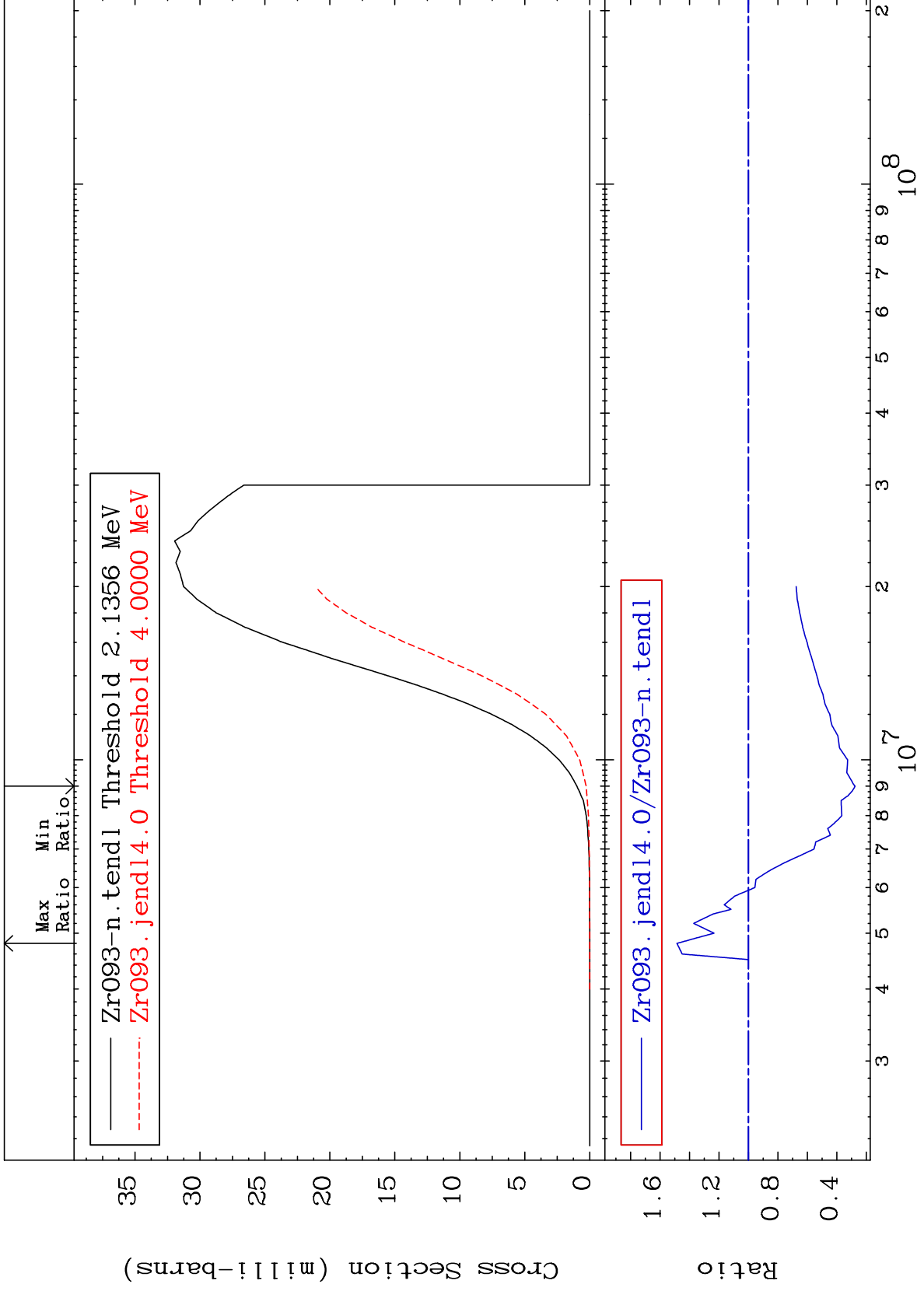
-98.87 To 9999. %



MAT 4034

(n,p)  
Cross Section

40-Zr-93  
-72.37 To 48.57 %



40

Incident Energy (eV)

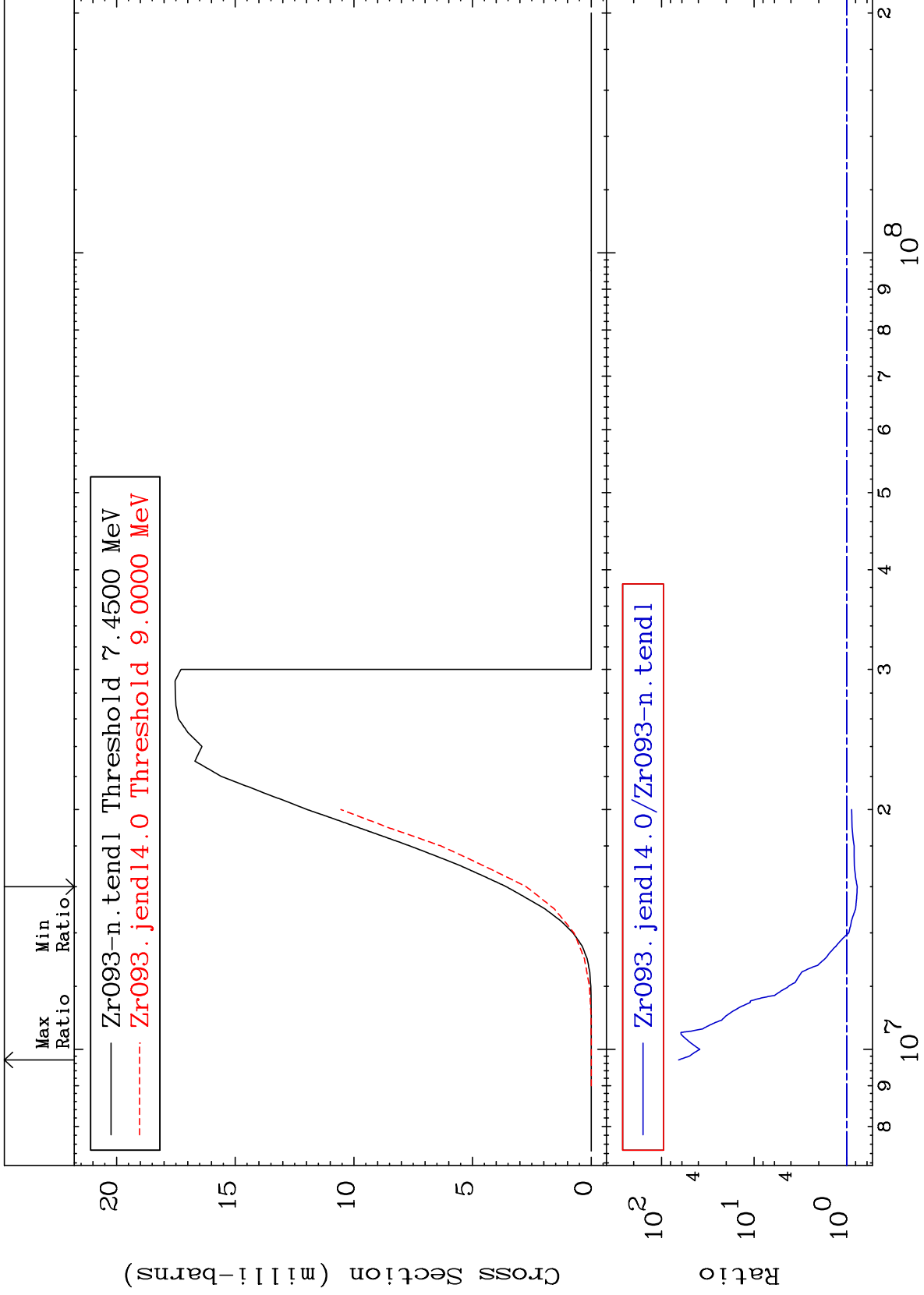
40-Zr-93



MAT 4034

(n, d)  
Cross Section

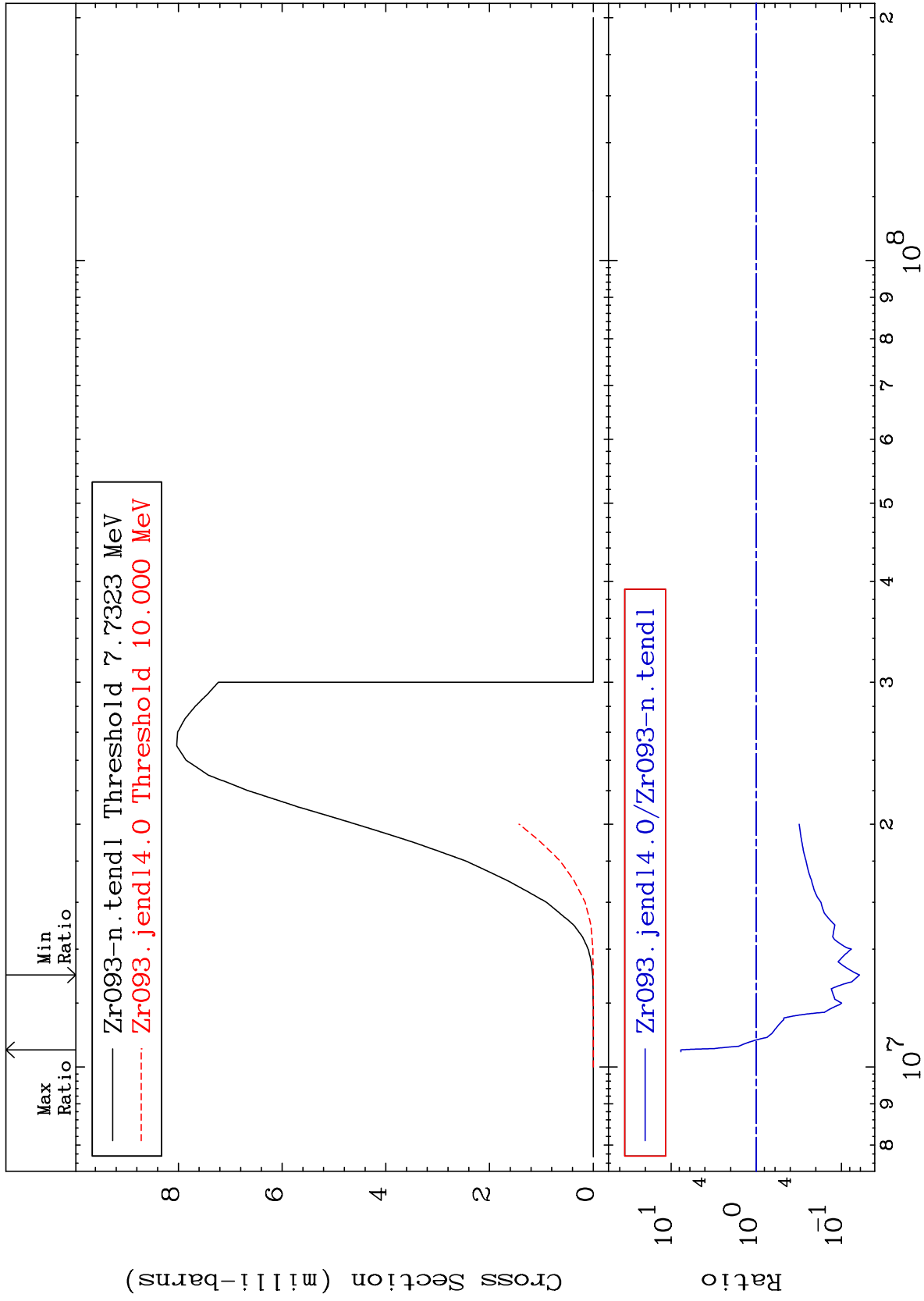
40-Zr-93  
-23.39 To 6422. %



MAT 4034

(n, t)  
Cross Section

40-Zr-93  
-93.87 To 668.9 %



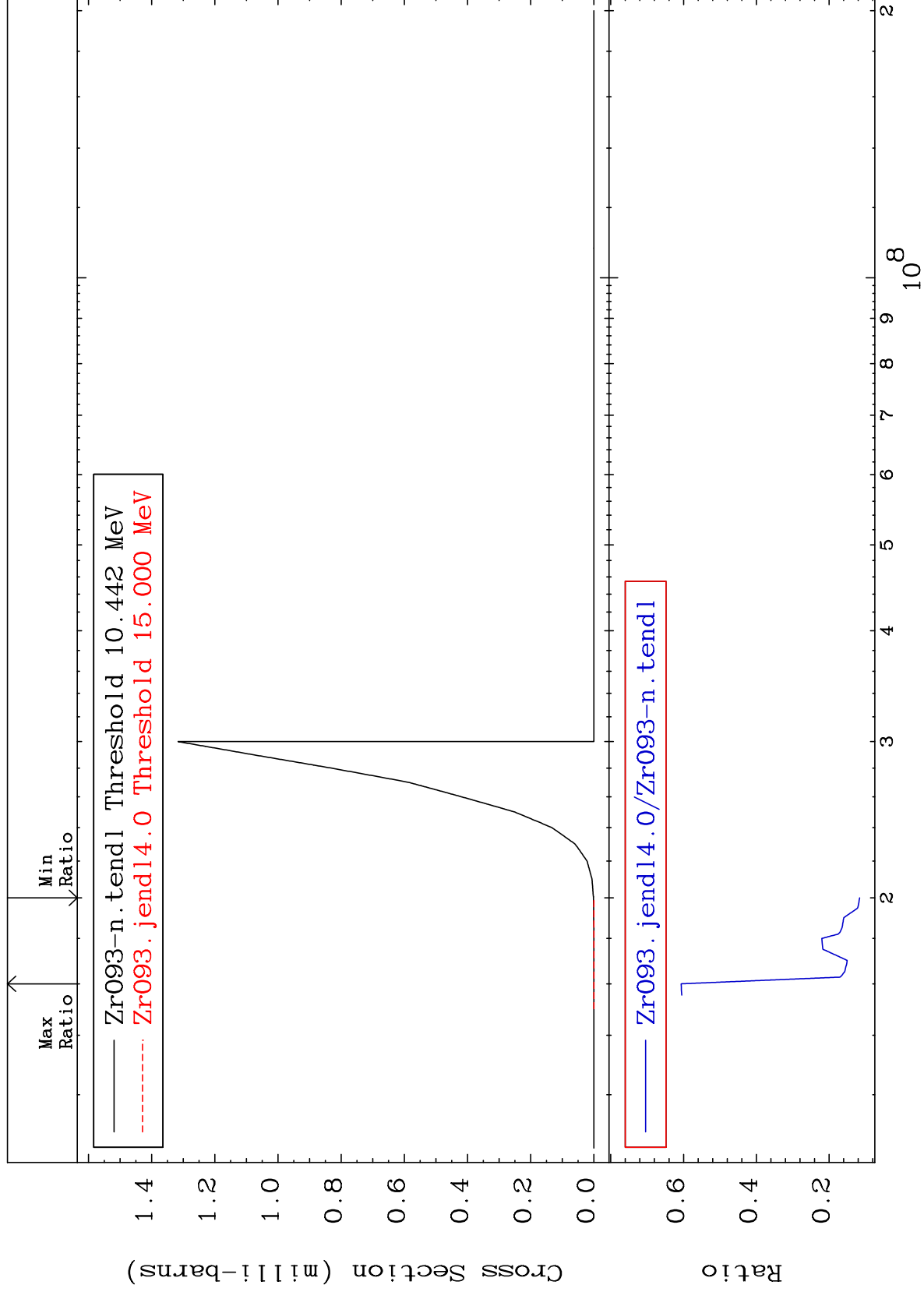
MAT 4034

(n,He-3)

40-Zr-93

Cross Section

-88.41 To -39.35%



43

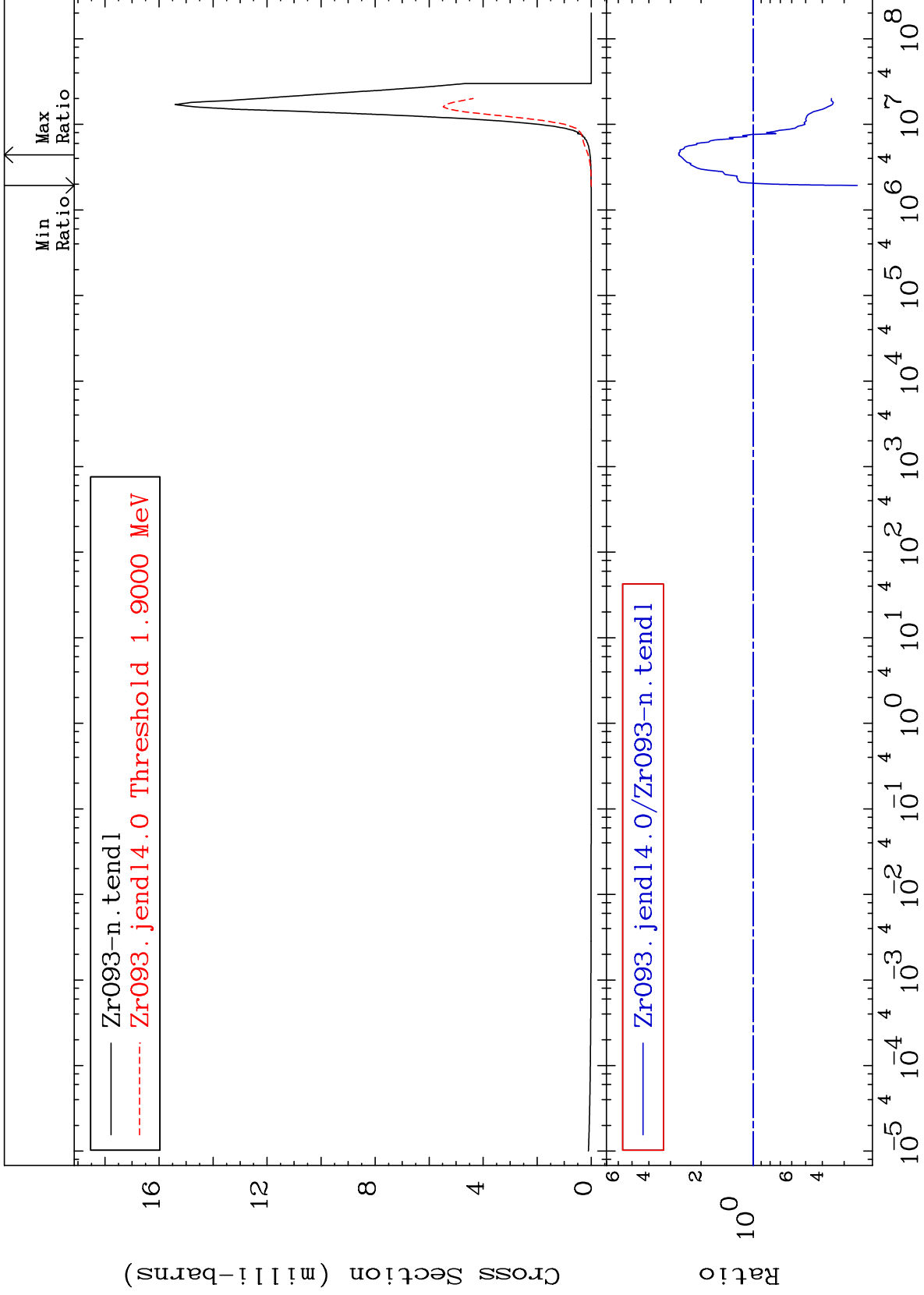
40-Zr-93

40-Zr-93

MAT 4034

(n,  $\alpha$ )  
Cross Section

40-Zr-93  
-74.81 To 169.3 %



44

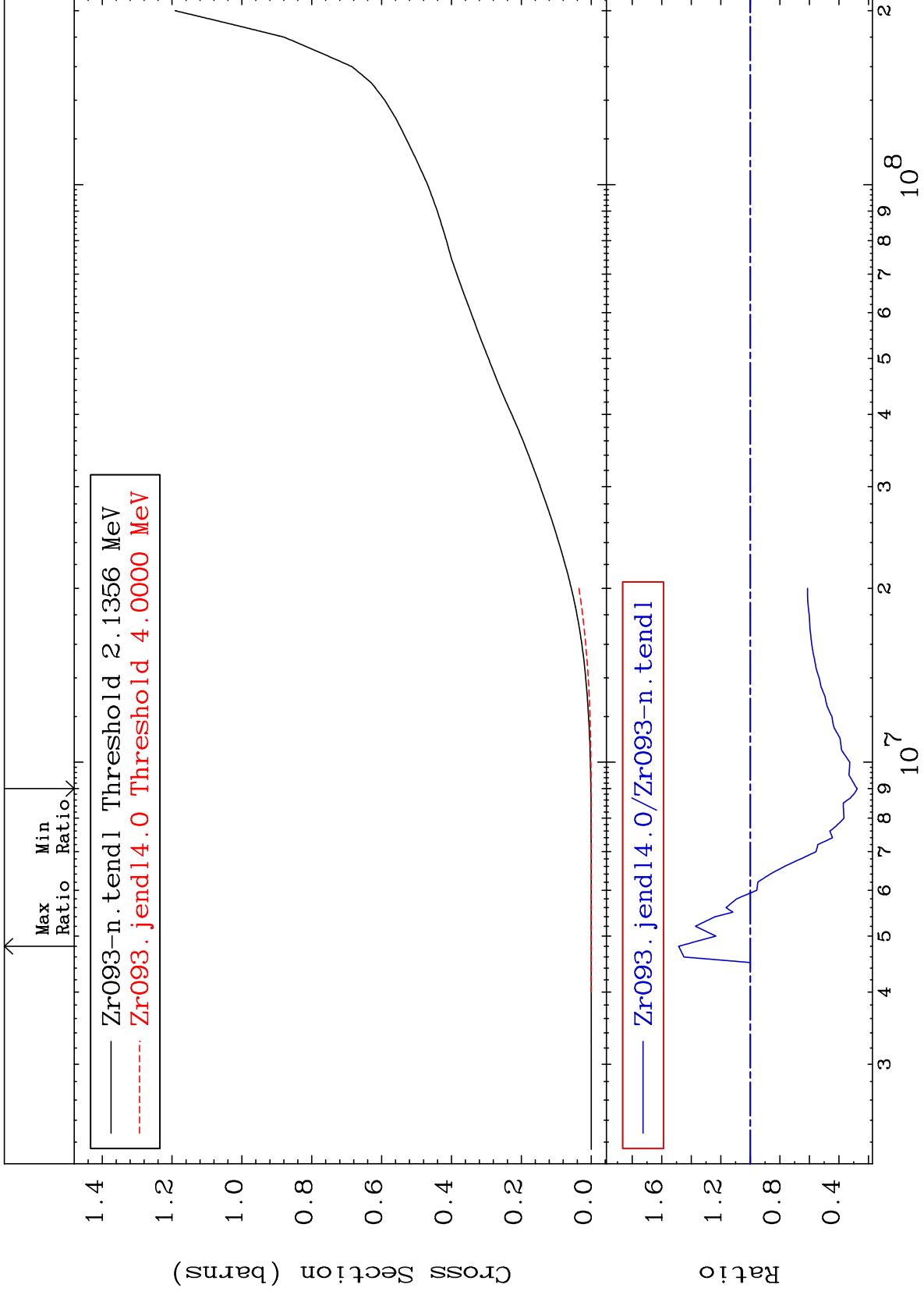
Incident Energy (eV)

40-Zr-93

MAT 4034

Hydrogen Production  
Cross Section

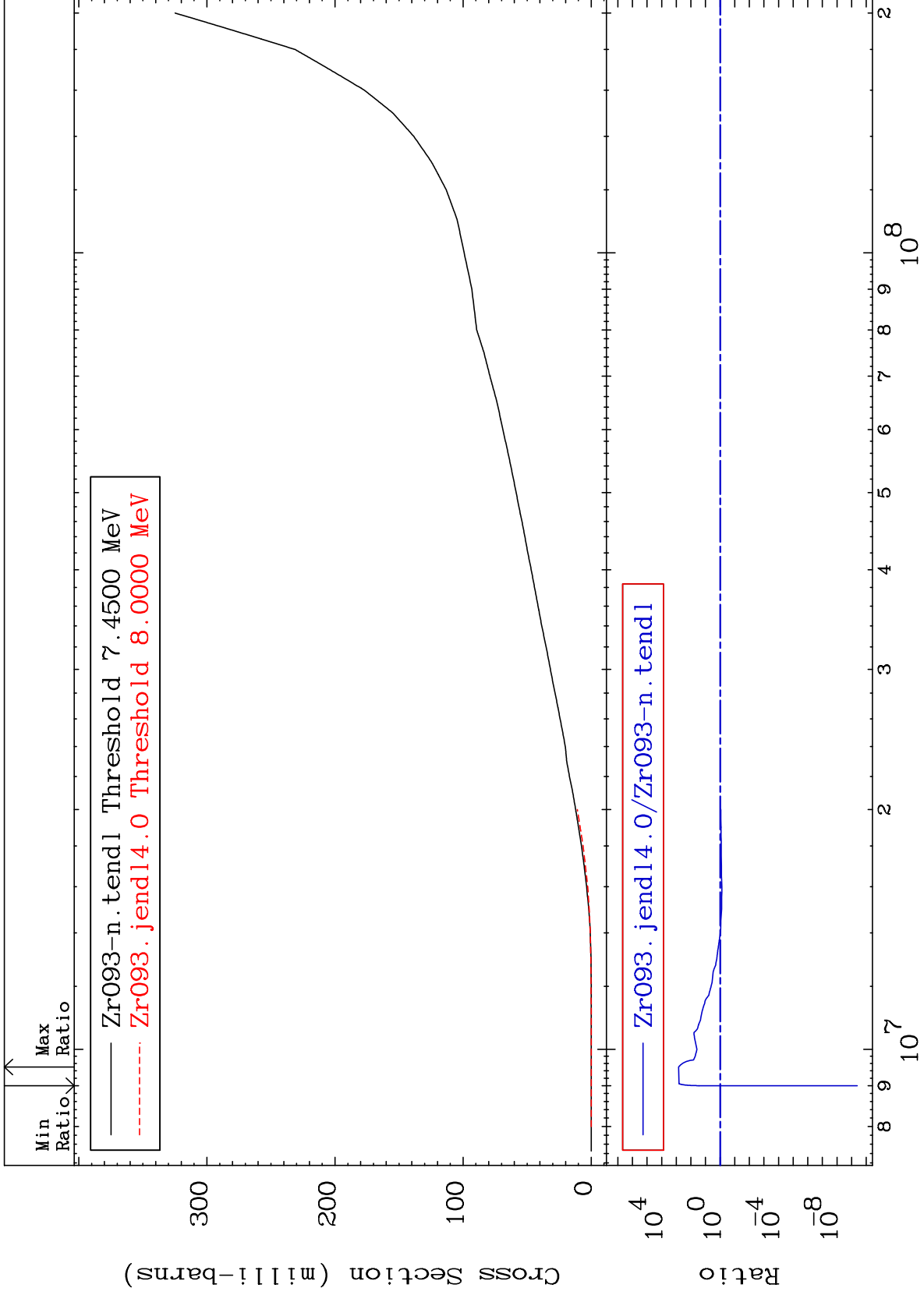
40-Zr-93  
-72.37 To 48.57 %



MAT 4034

Deuterium Production  
Cross Section

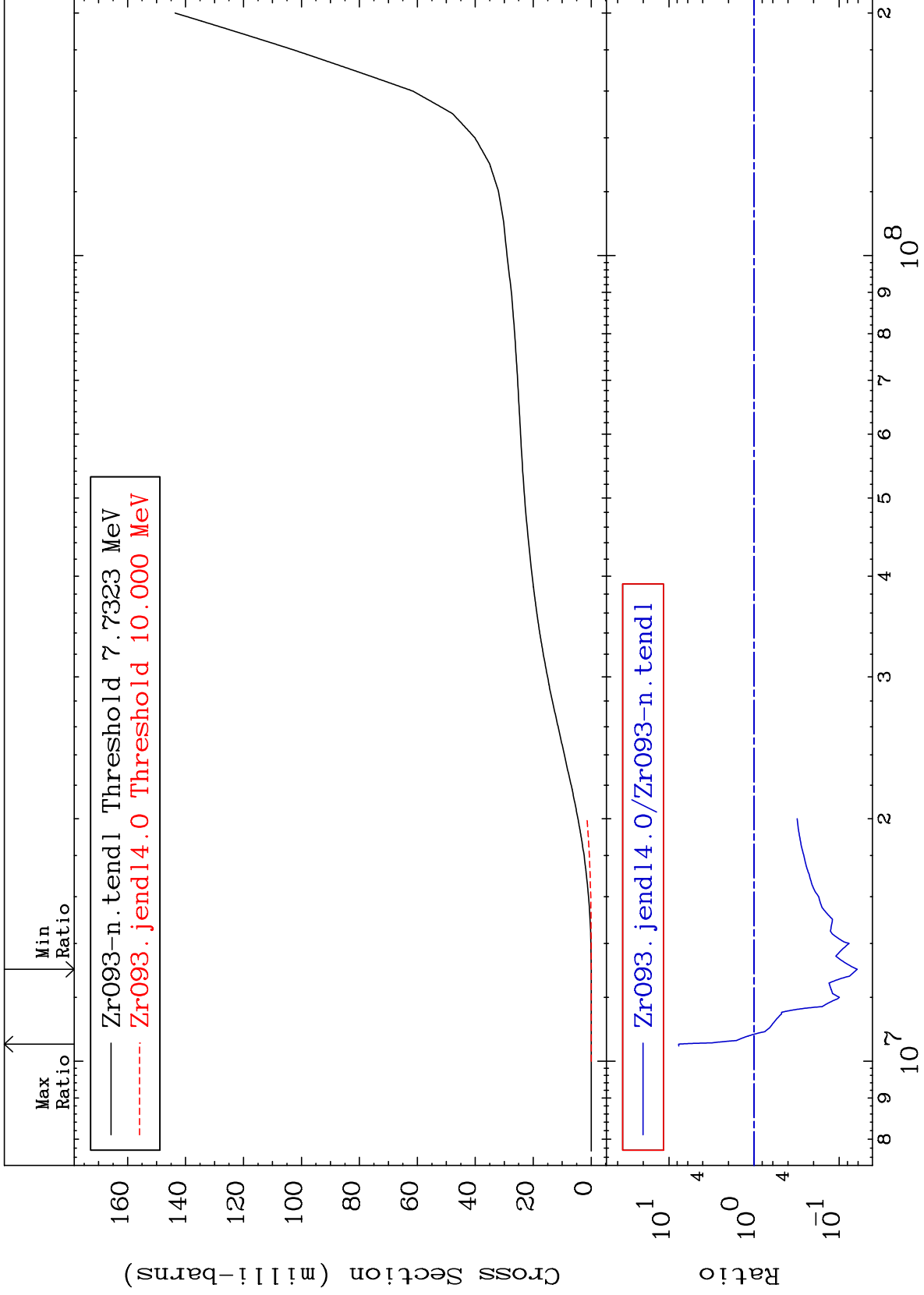
40-Zr-93  
-100.0 To 9999. %



MAT 4034

Tritium Production  
Cross Section

40-Zr-93  
-93.87 To 668.9 %



47

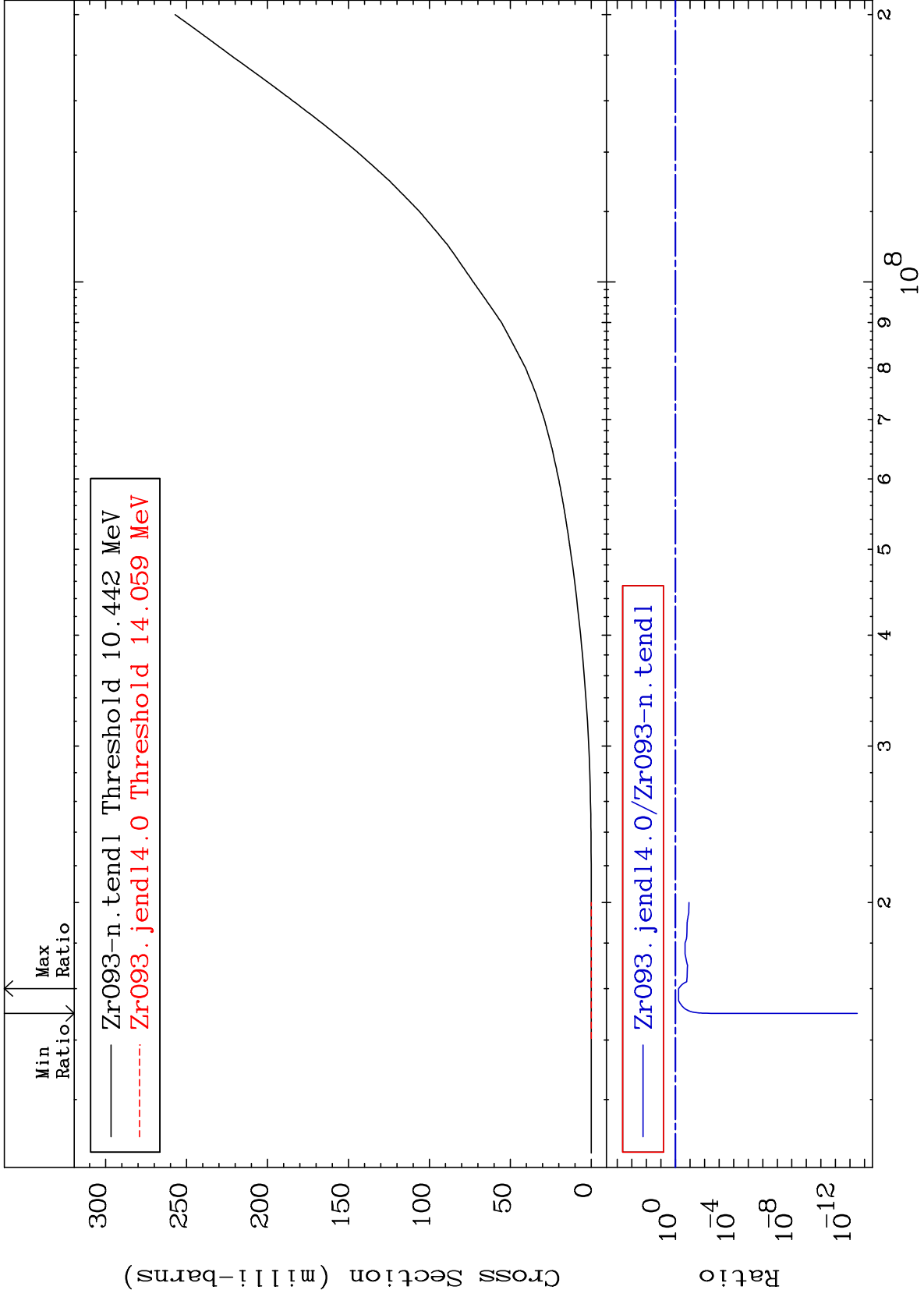
Incident Energy (eV)

40-Zr-93

MAT 4034

He-3 Production  
Cross Section

40-Zr-93  
-100.0 To -39.35%

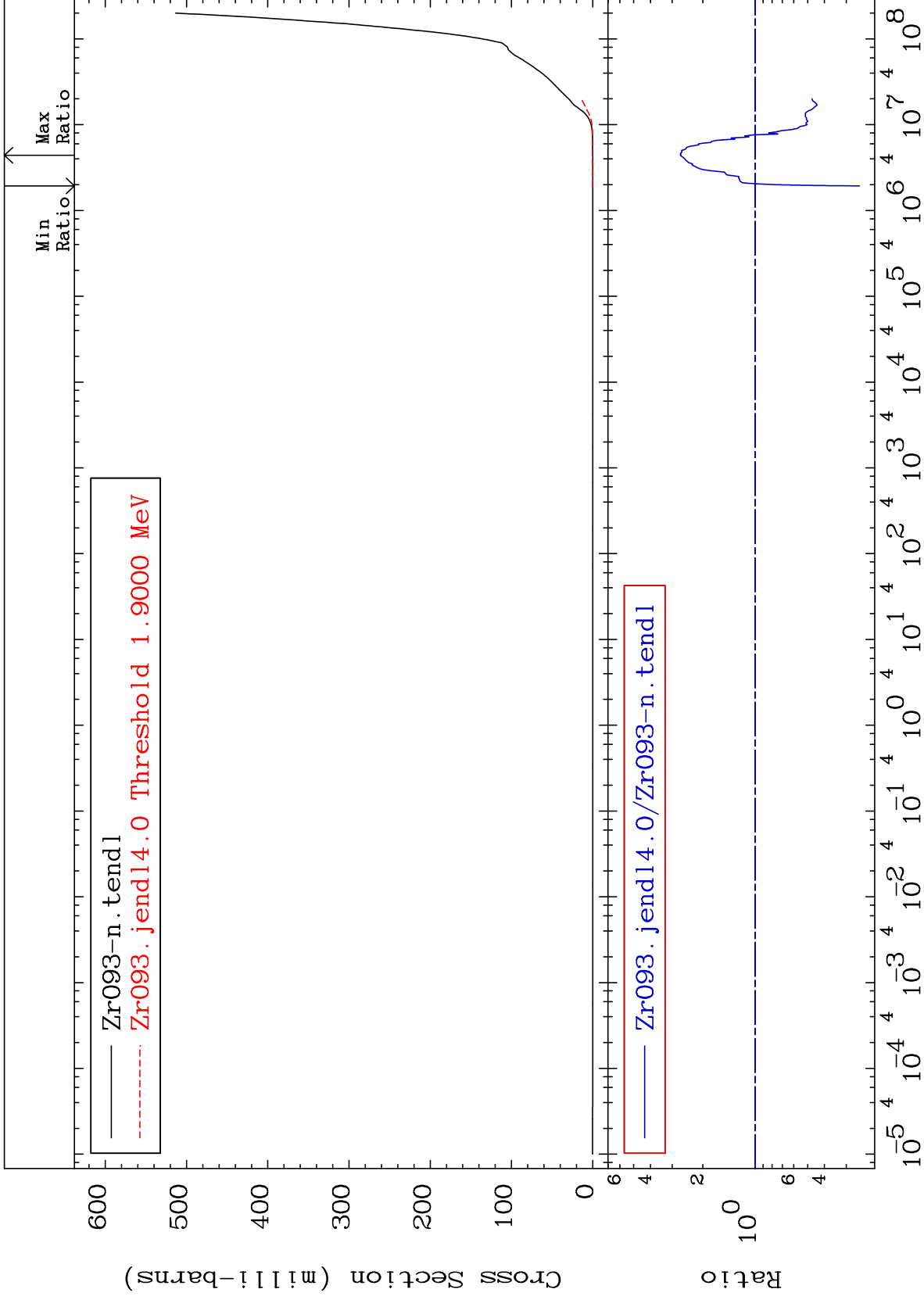




MAT 4034

He-4 Production  
Cross Section

40-Zr-93  
-74.81 To 169.3 %



49

Incident Energy (eV)

40-Zr-93

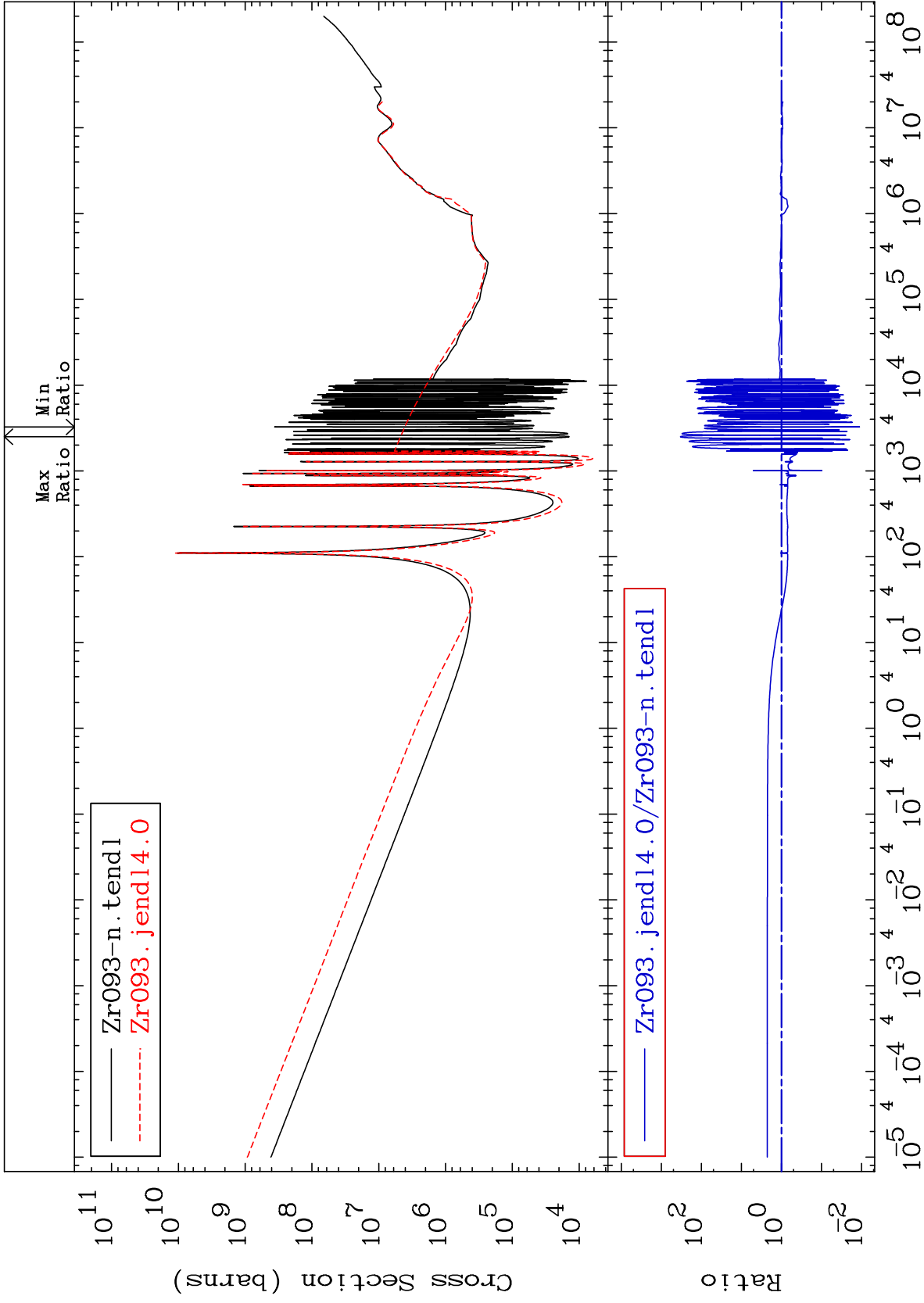
MAT 4034

Kerma total (eV-barns)

40-Zr-93

Cross Section

-98.87 To 9999. %



50

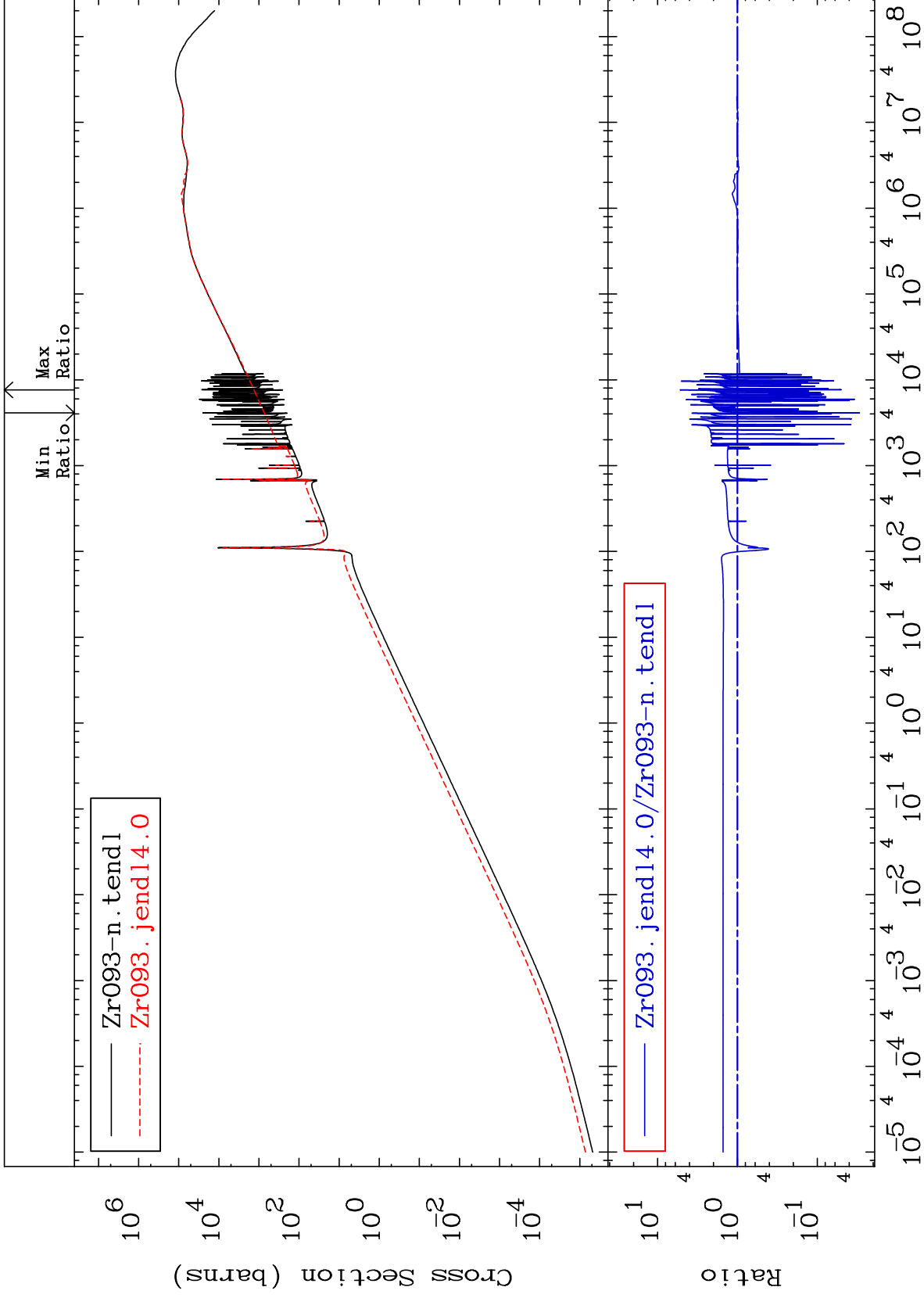
Incident Energy (eV)

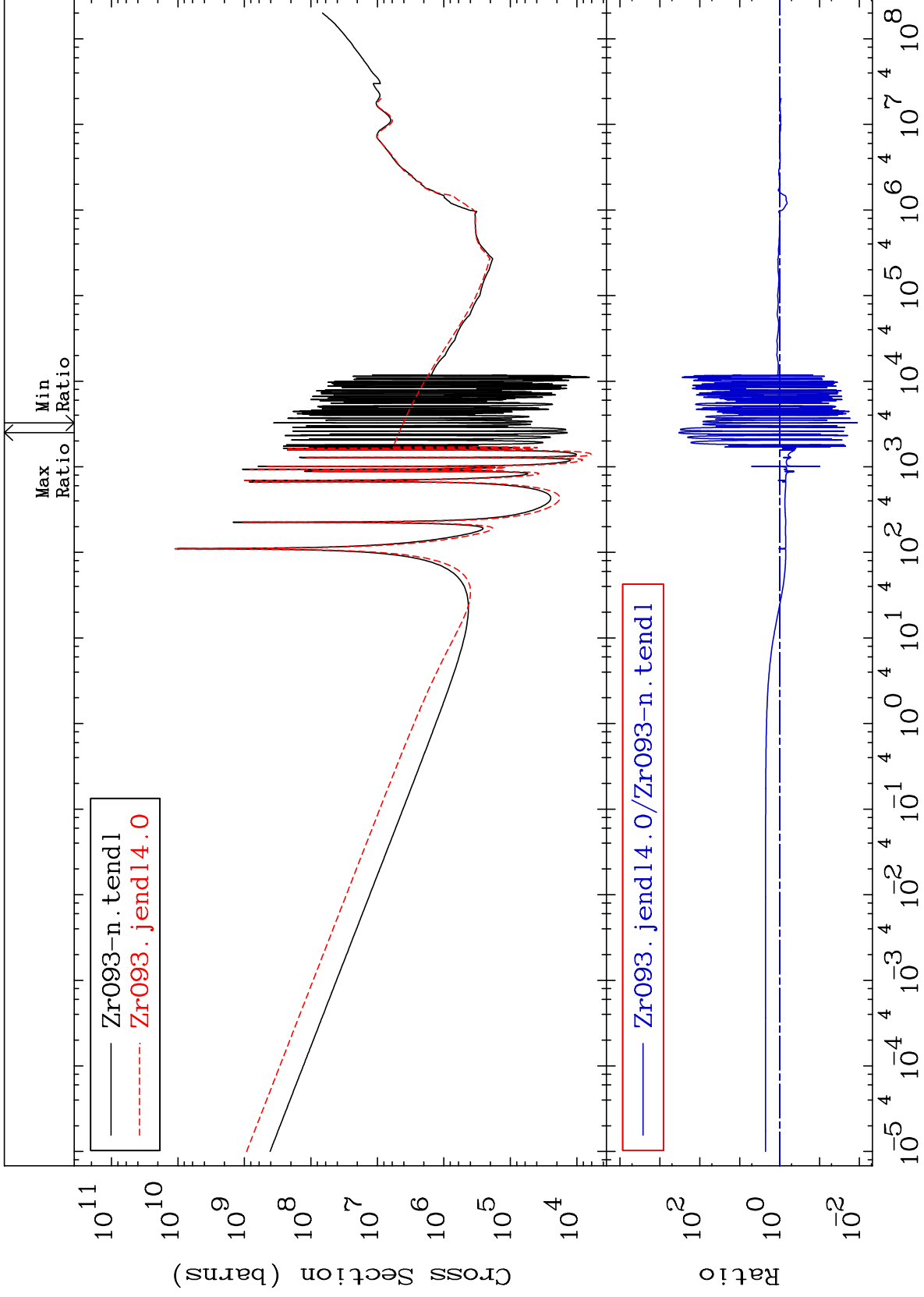
40-Zr-93

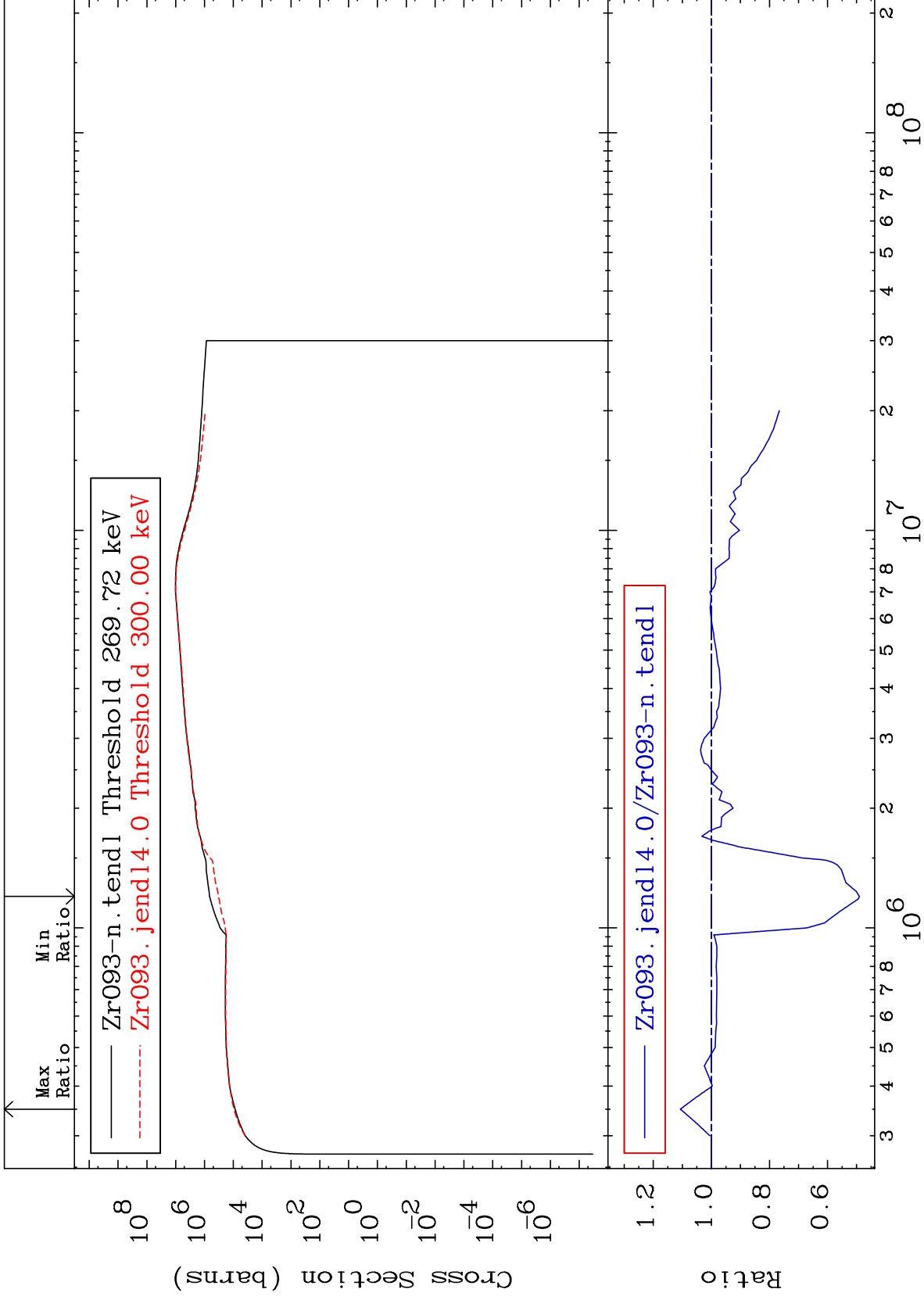
MAT 4034

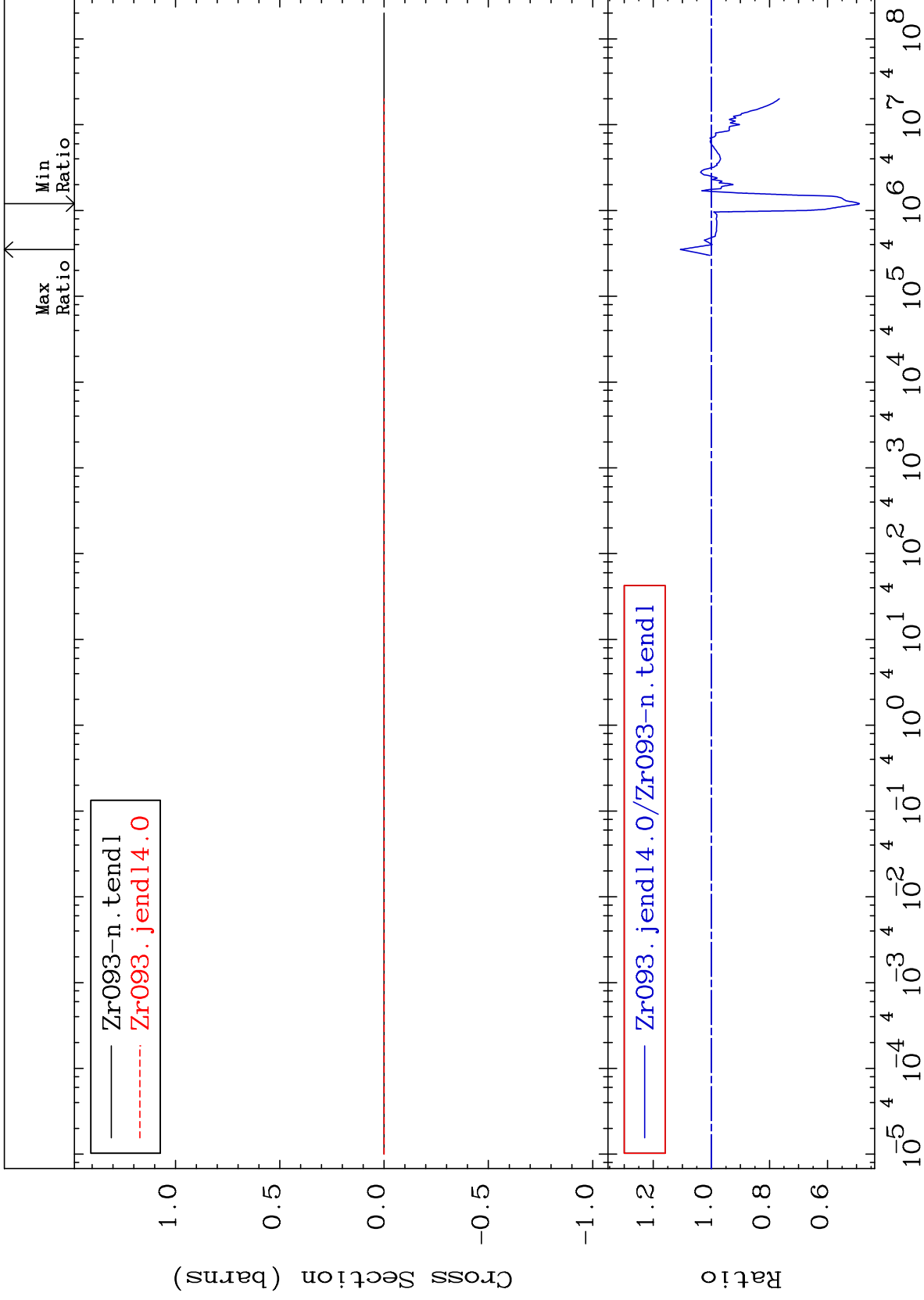
Kerma elastic  
Cross Section

40-Zr-93  
-97.02 To 419.9 %





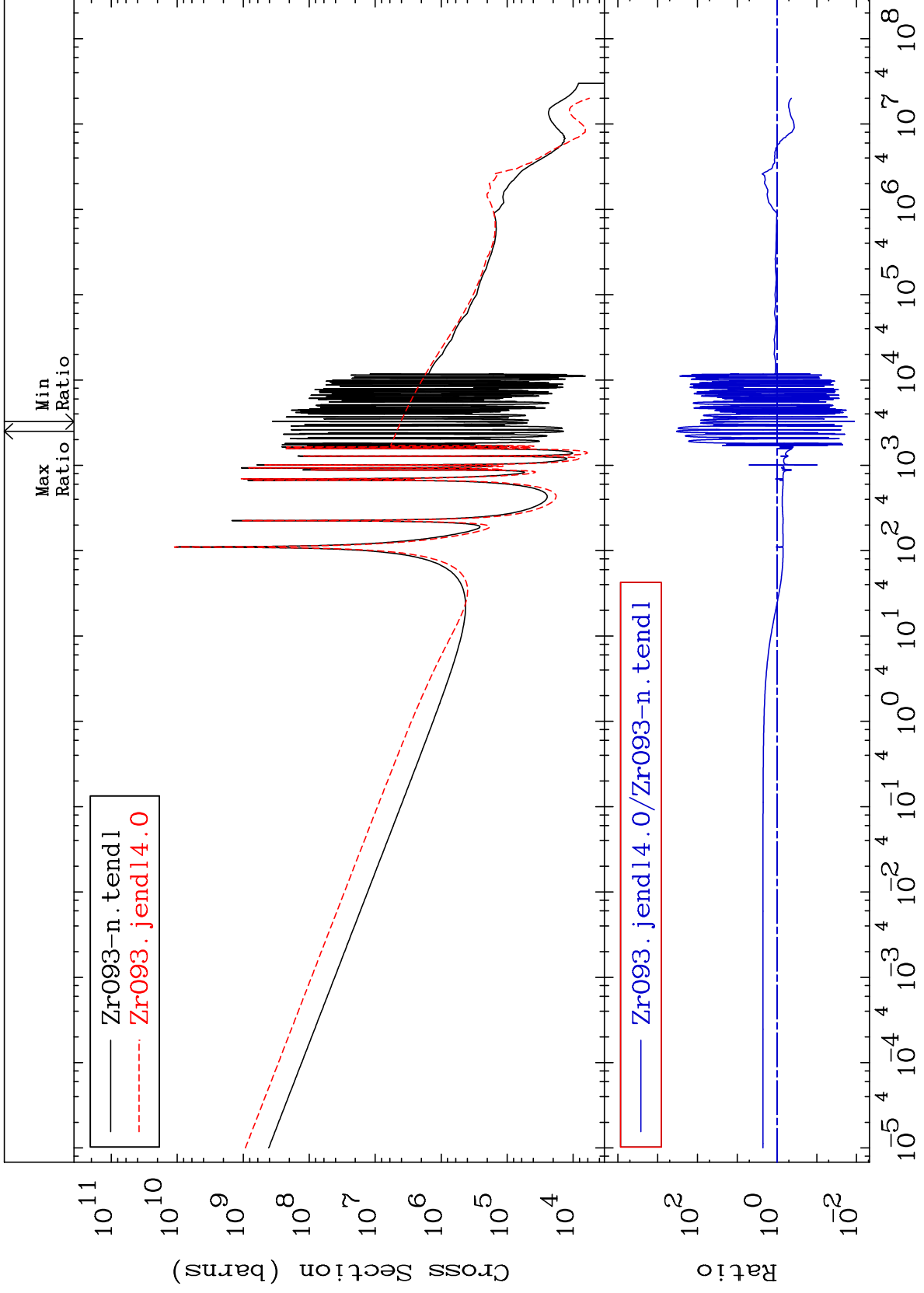




MAT 4034

Kerma capture (mt102)  
Cross Section

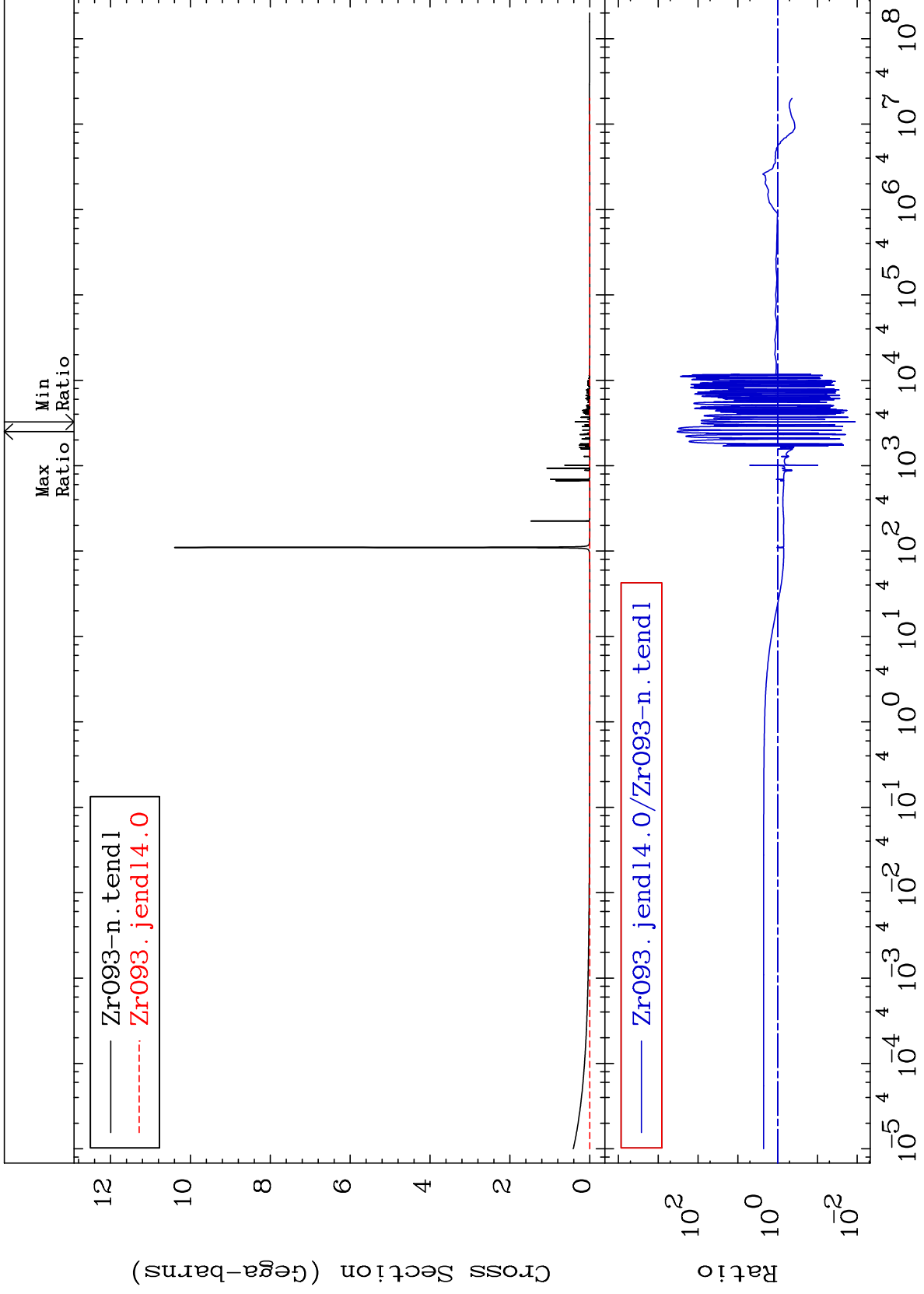
40-Zr-93  
-98.87 To 9999. %



55

Incident Energy (eV)

40-Zr-93

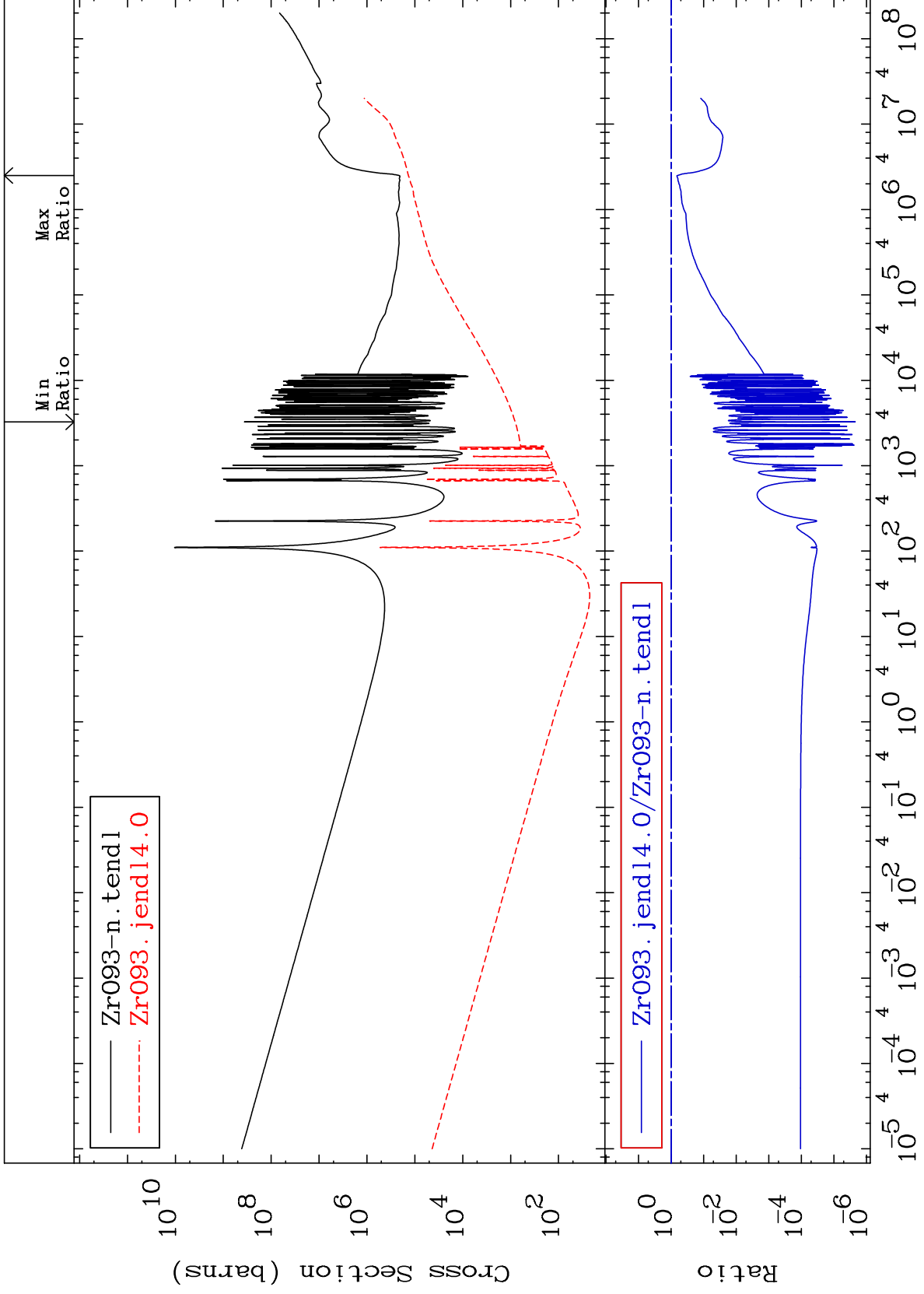




MAT 4034

Total kinematic kerma (high limit)  
Cross Section

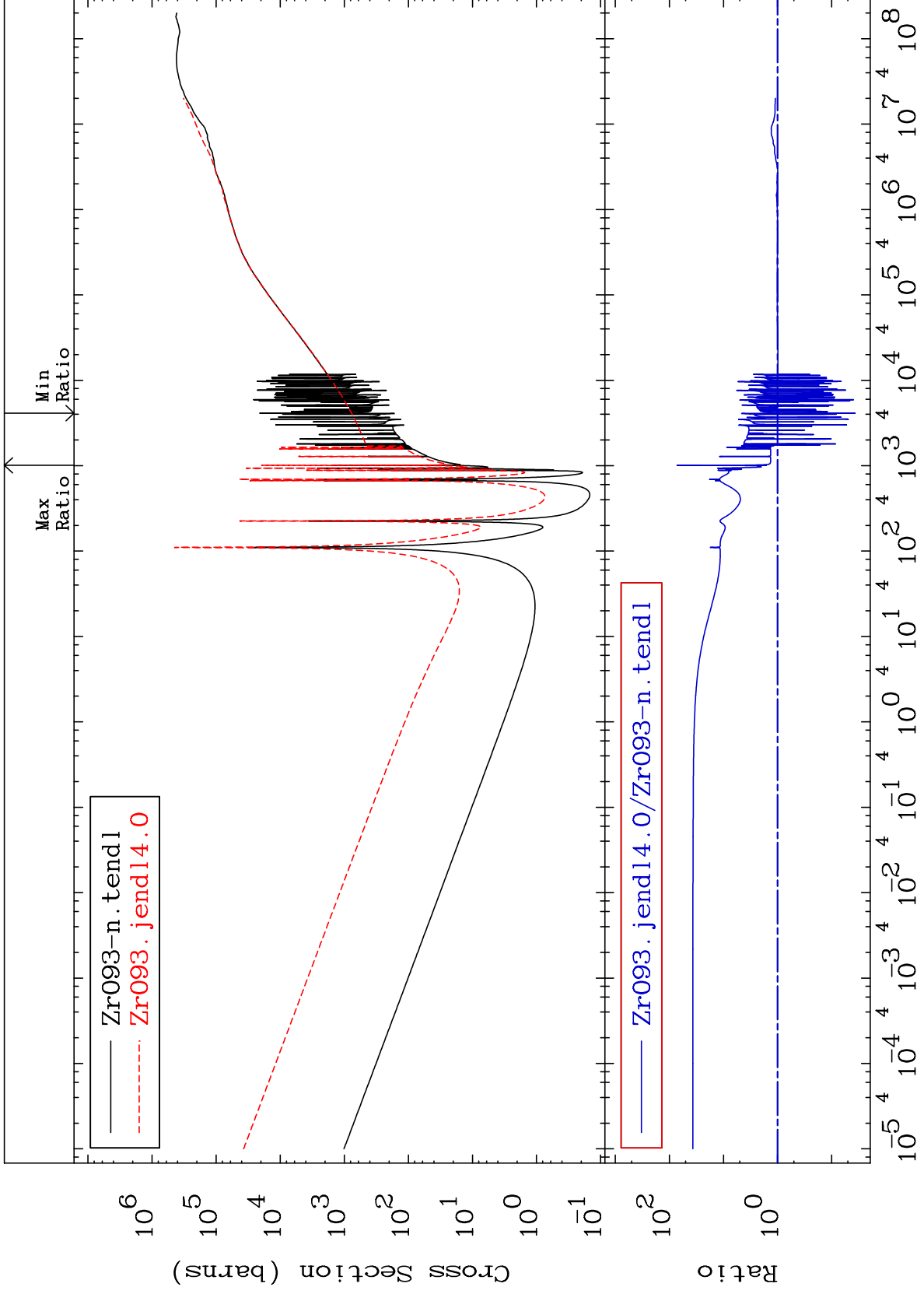
40-Zr-93  
-100.0 To -34.25%



MAT 4034

Dpa total (eV-barns)  
Cross Section

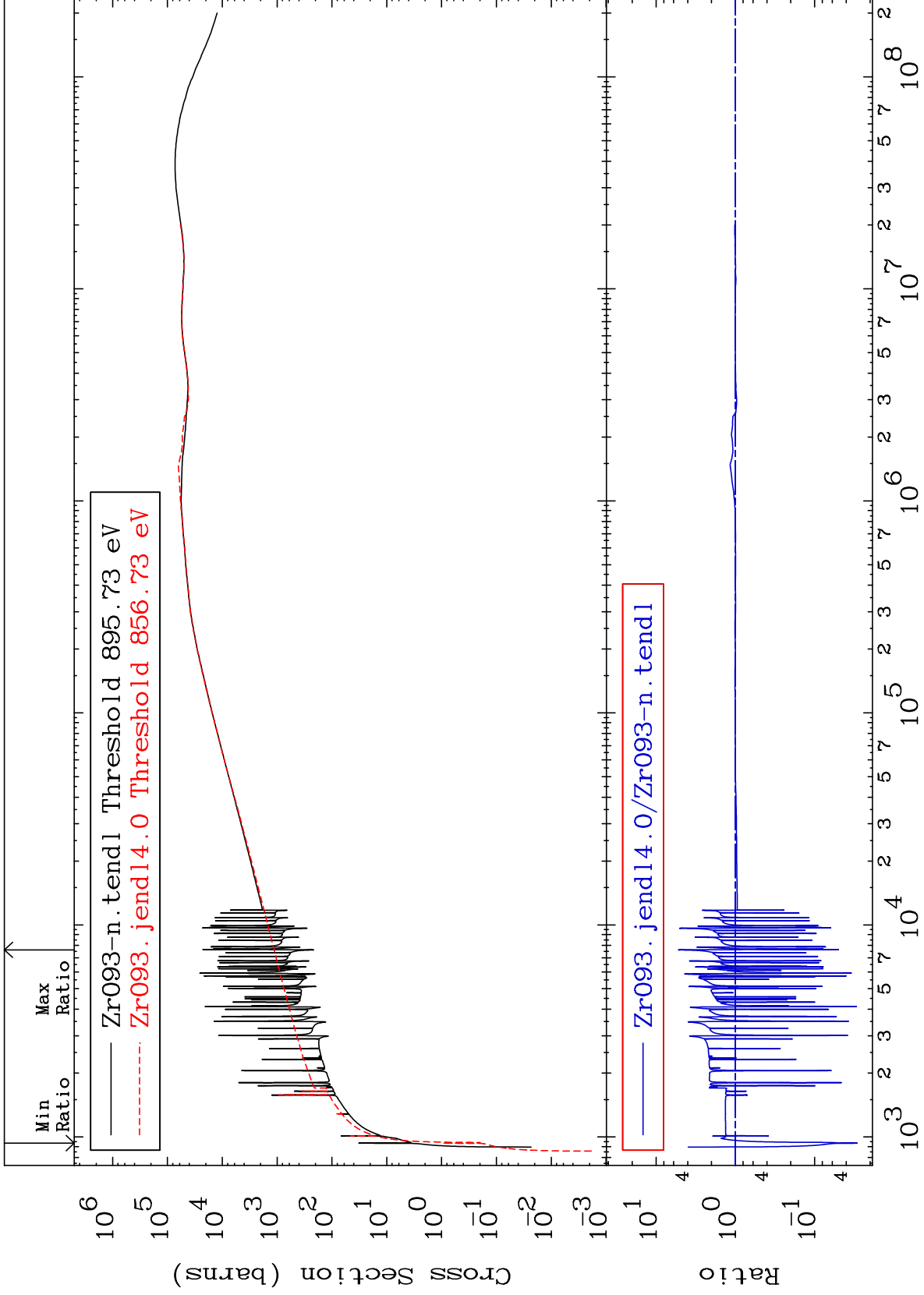
40-Zr-93  
-96.32 To 7152. %



MAT 4034

Dpa elastic (mt2)  
Cross Section

40-Zr-93  
-97.10 To 419.7 %



59

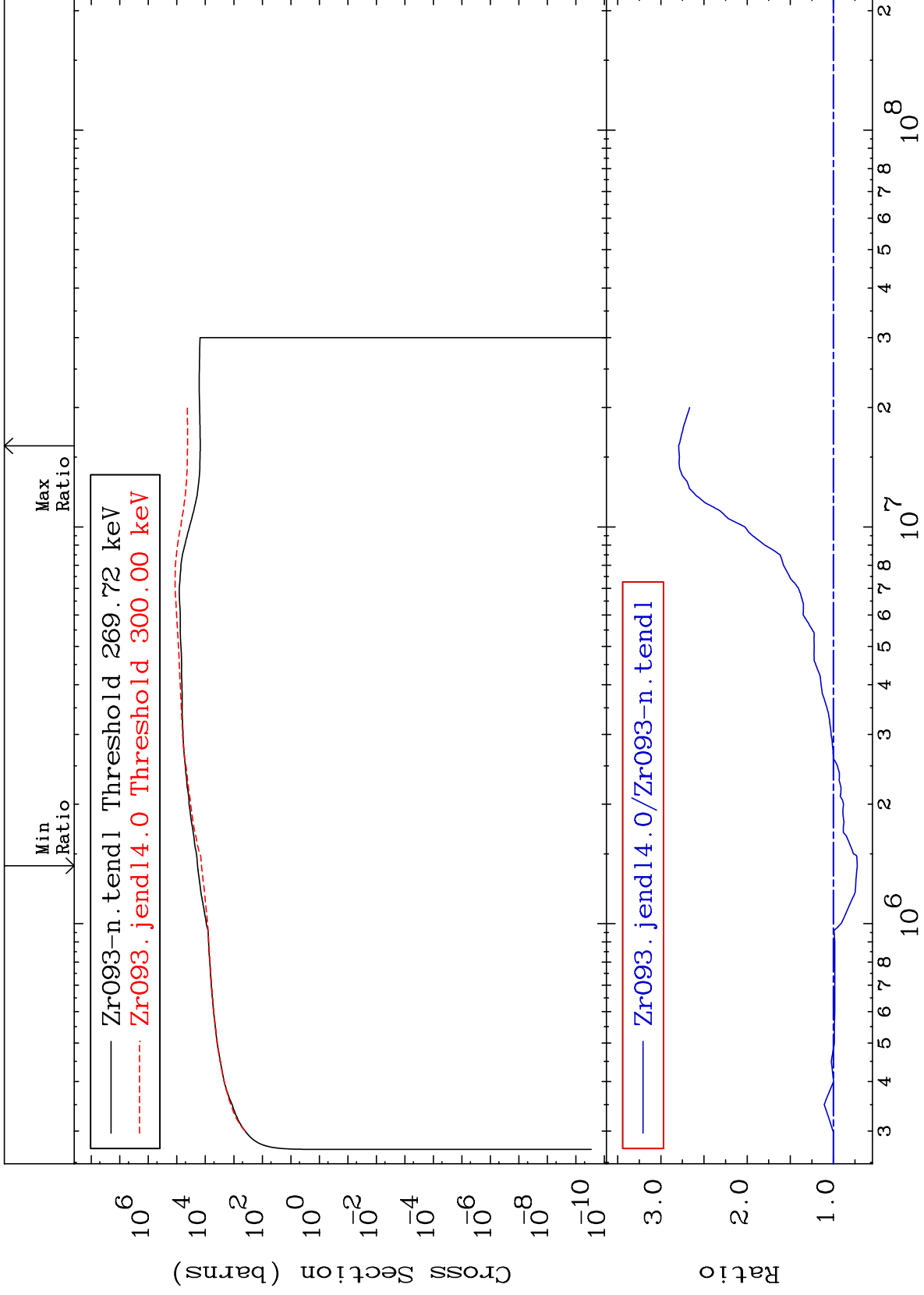
Incident Energy (eV)

40-Zr-93

MAT 4034

Dpa inelastic (mt51-91)  
Cross Section

40-Zr-93  
-27.66 To 179.4 %



60

40-Zr-93

40-Zr-93

