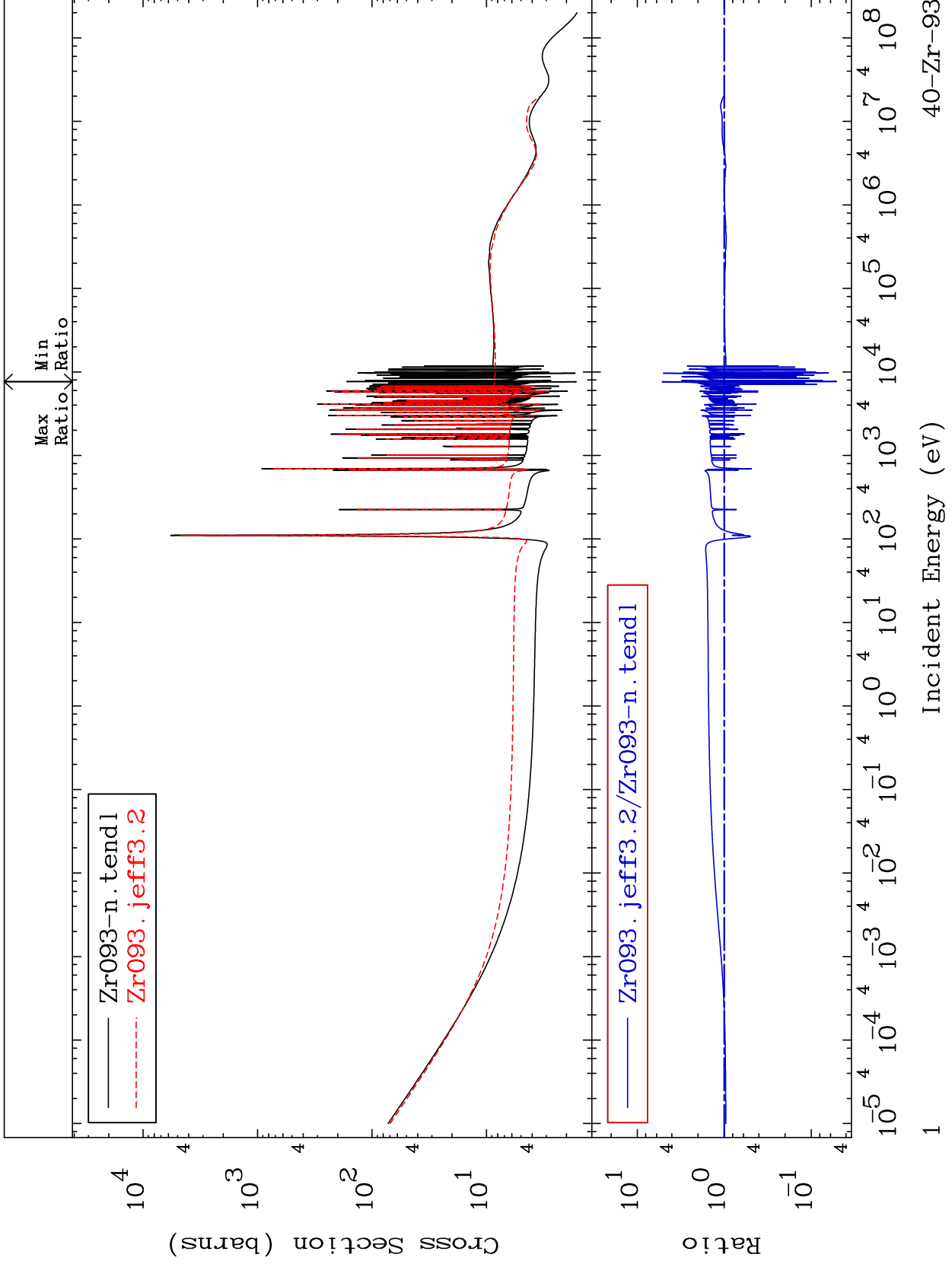


MAT 4034

Total  
Cross Section

40-Zr-93  
-94.89 To 415.0 %

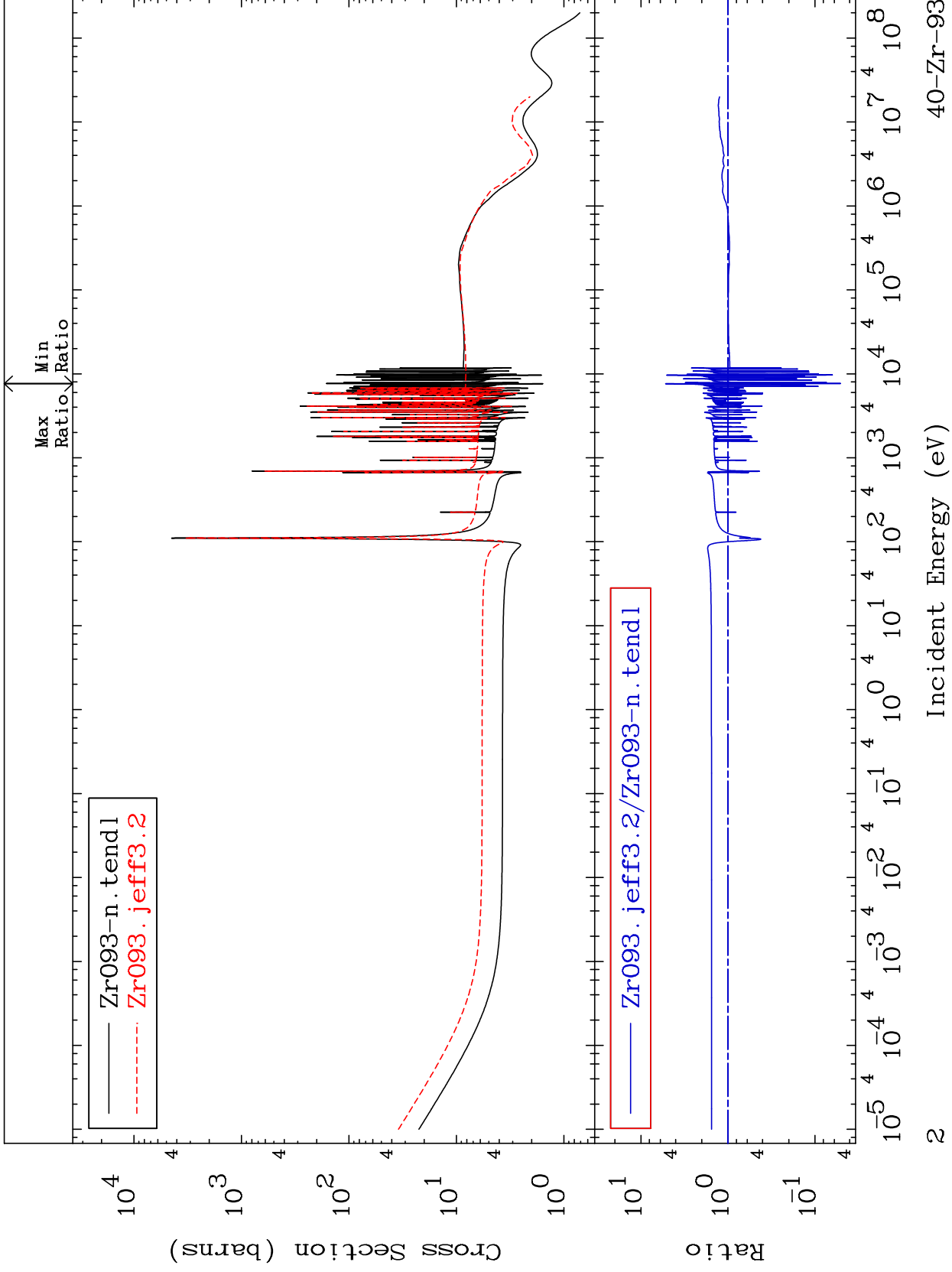


40-Zr-93

MAT 4034

Elastic  
Cross Section

40-Zr-93  
-94.94 To 422.4 %



40-Zr-93

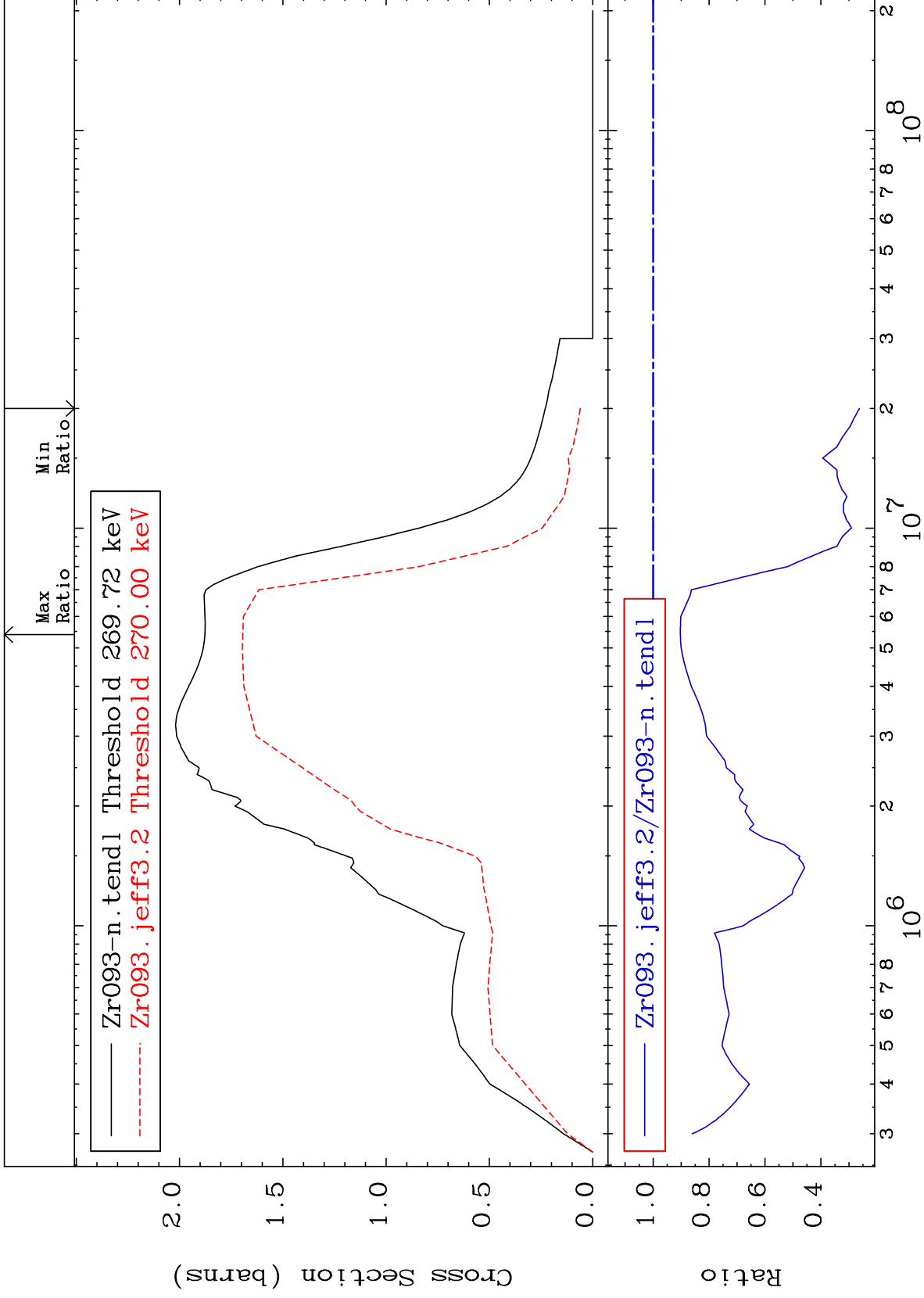
Incident Energy (eV)

2

MAT 4034

Inelastic  
Cross Section

40-Zr-93  
-73.76 To -9.737%



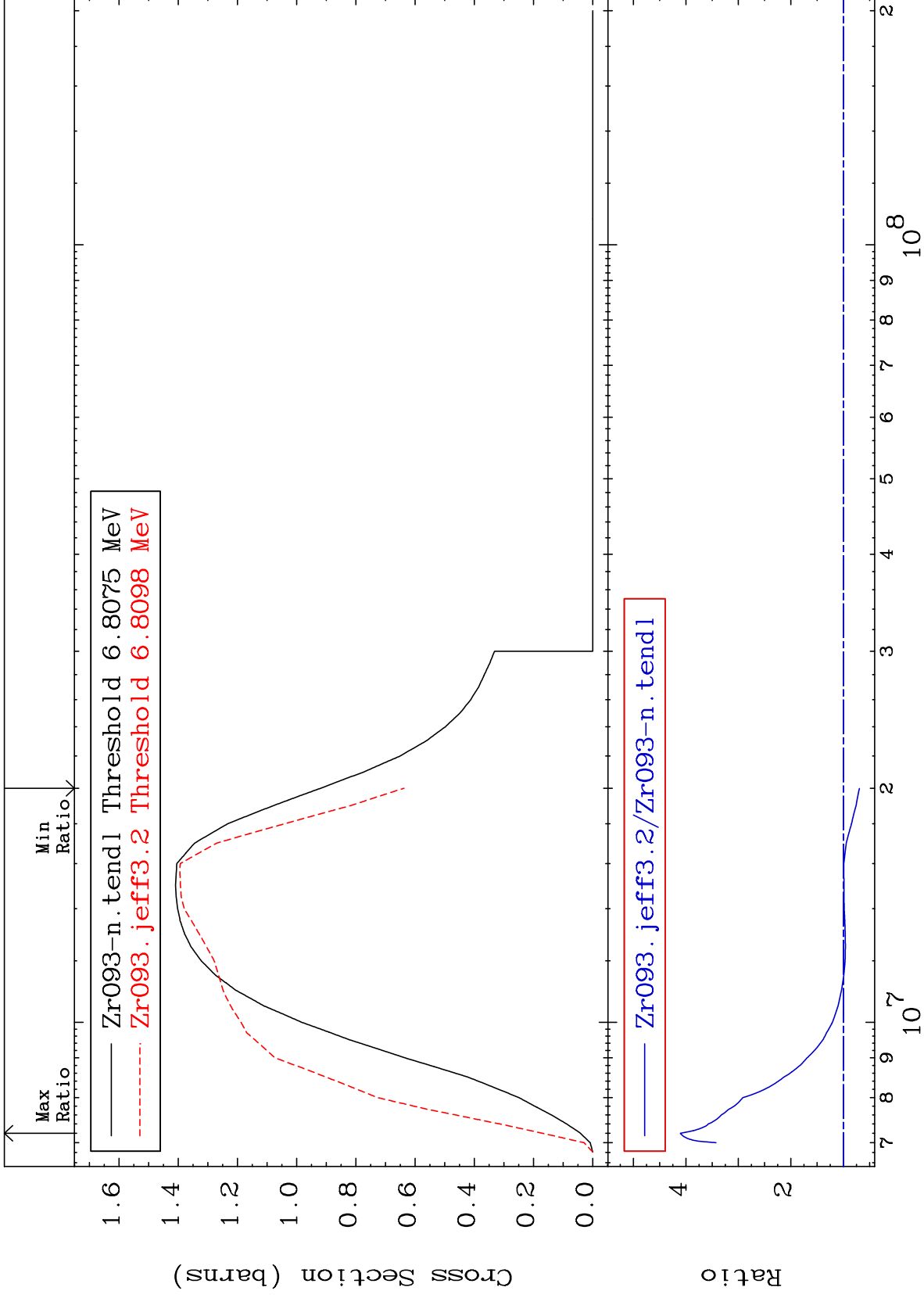
MAT 4034

(n,2n)

40-Zr-93

Cross Section

-30.60 To 310.5 %



4

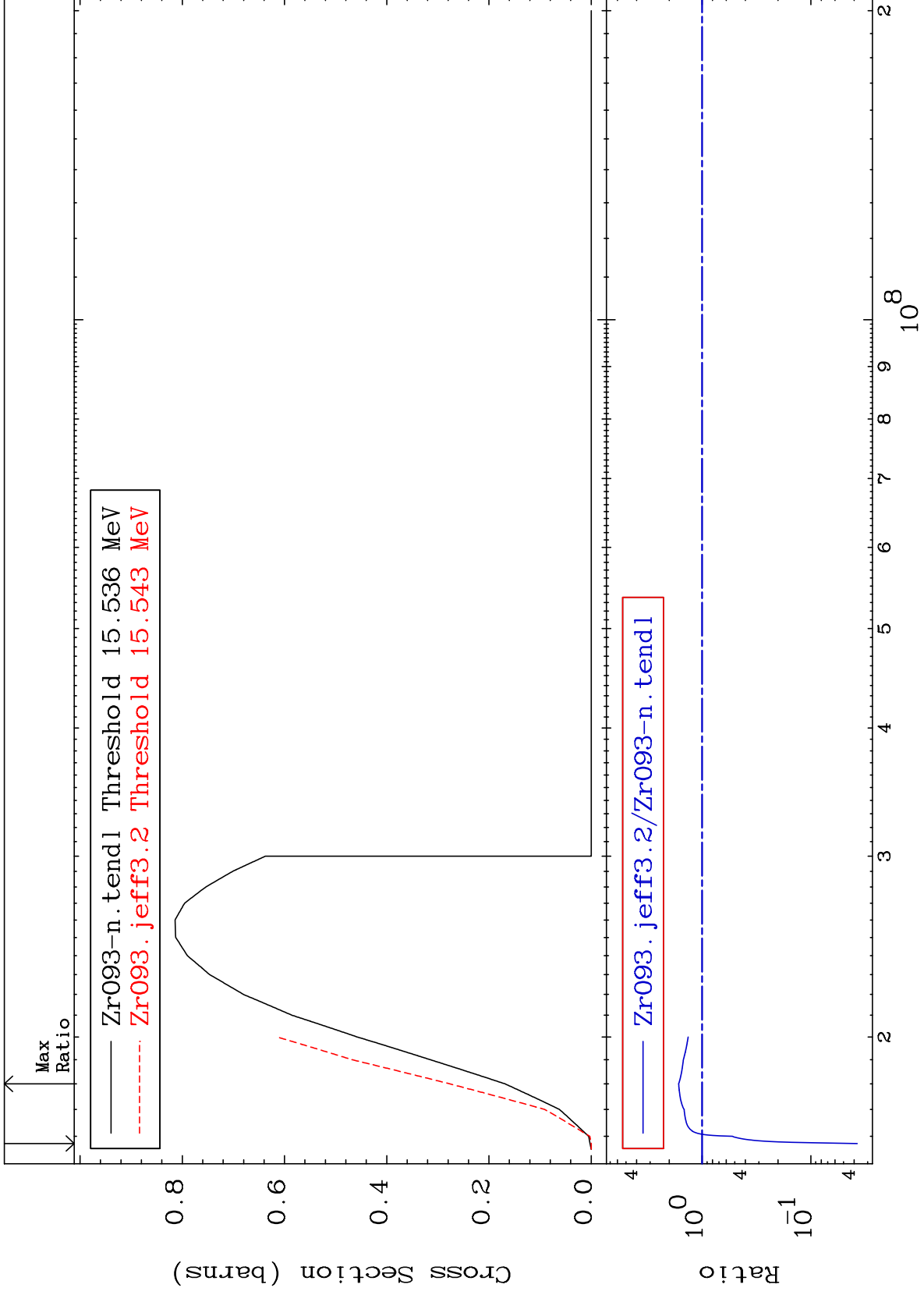
Incident Energy (eV)

40-Zr-93

MAT 4034

(n,3n)  
Cross Section

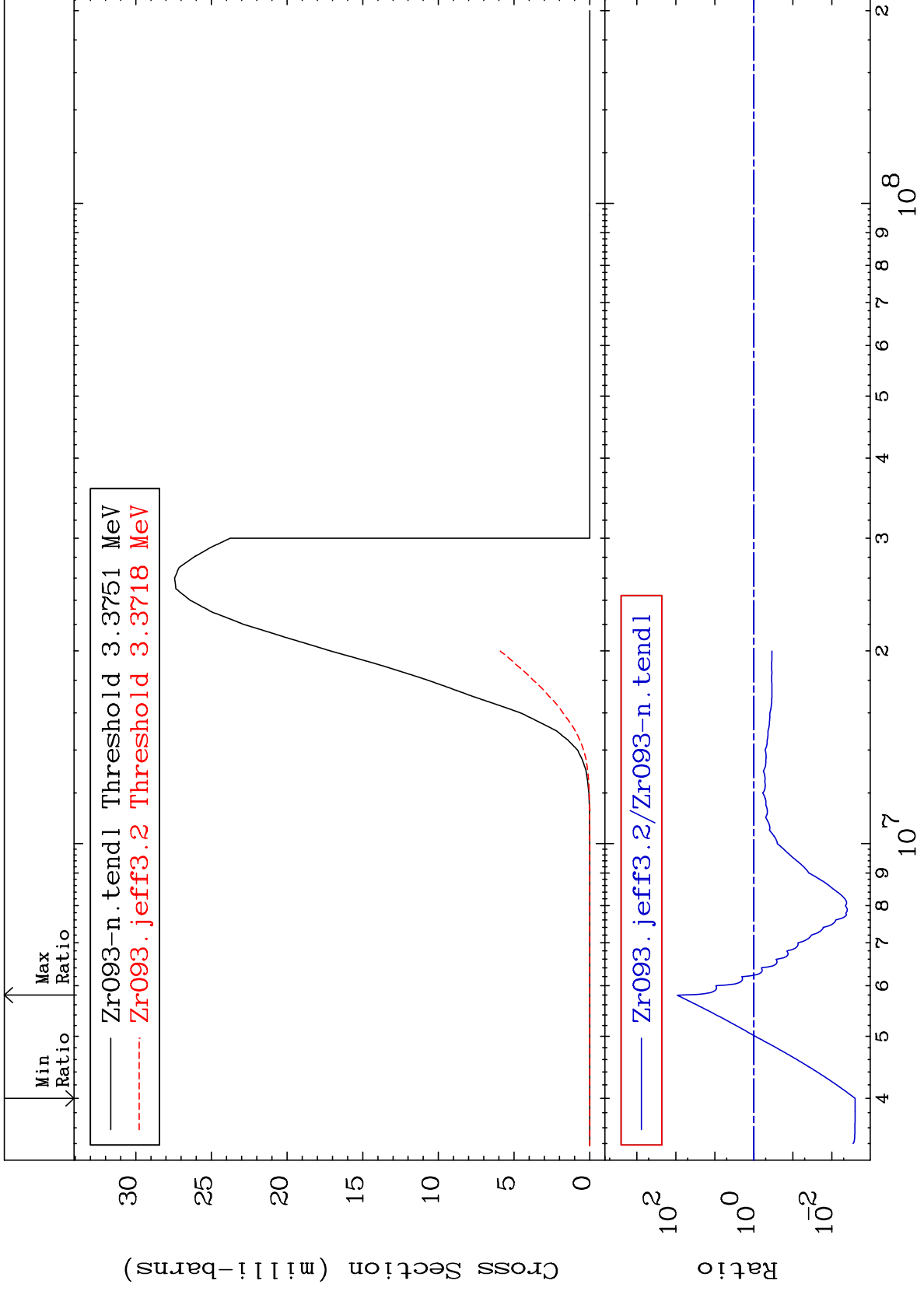
40-Zr-93  
-96.26 To 64.18 %



MAT 4034

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

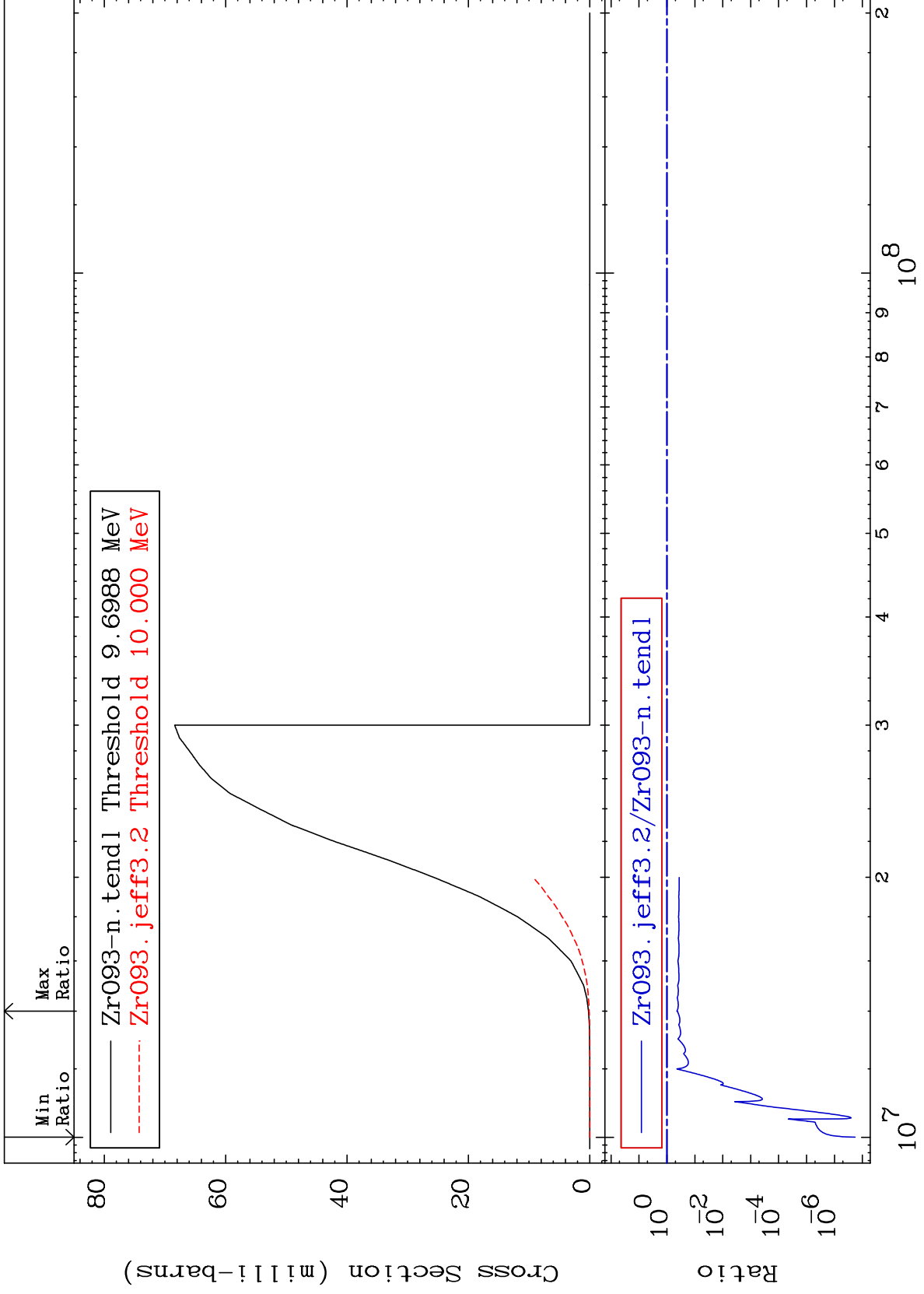
40-Zr-93  
-99.75 To 9279. %



MAT 4034

(n, n') p  
Cross Section

40-Zr-93  
-100.0 To -56.12%



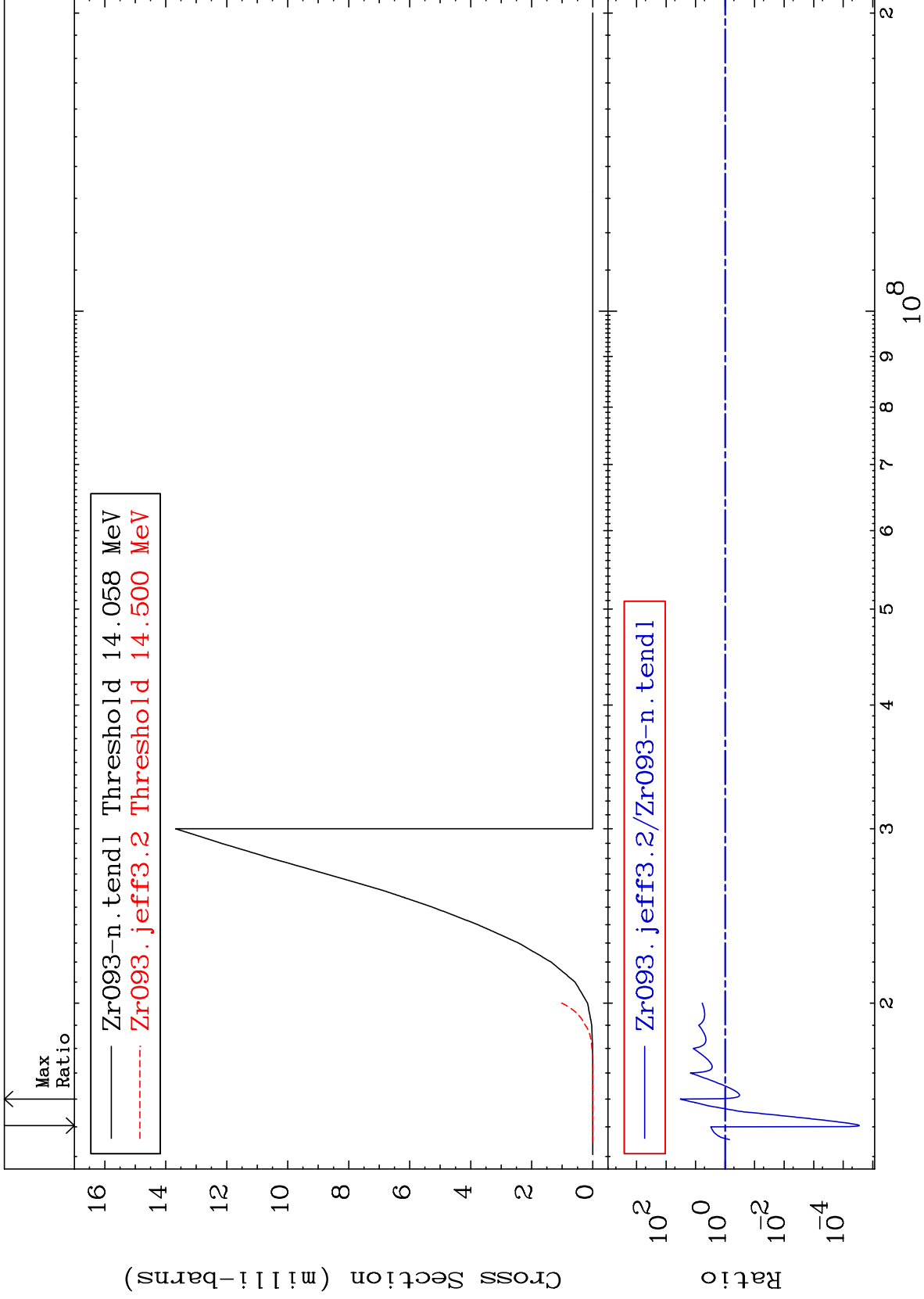
40-Zr-93

40-Zr-93

MAT 4034

(n,n') d  
Cross Section

40-Zr-93  
-100.0 To 3185. %

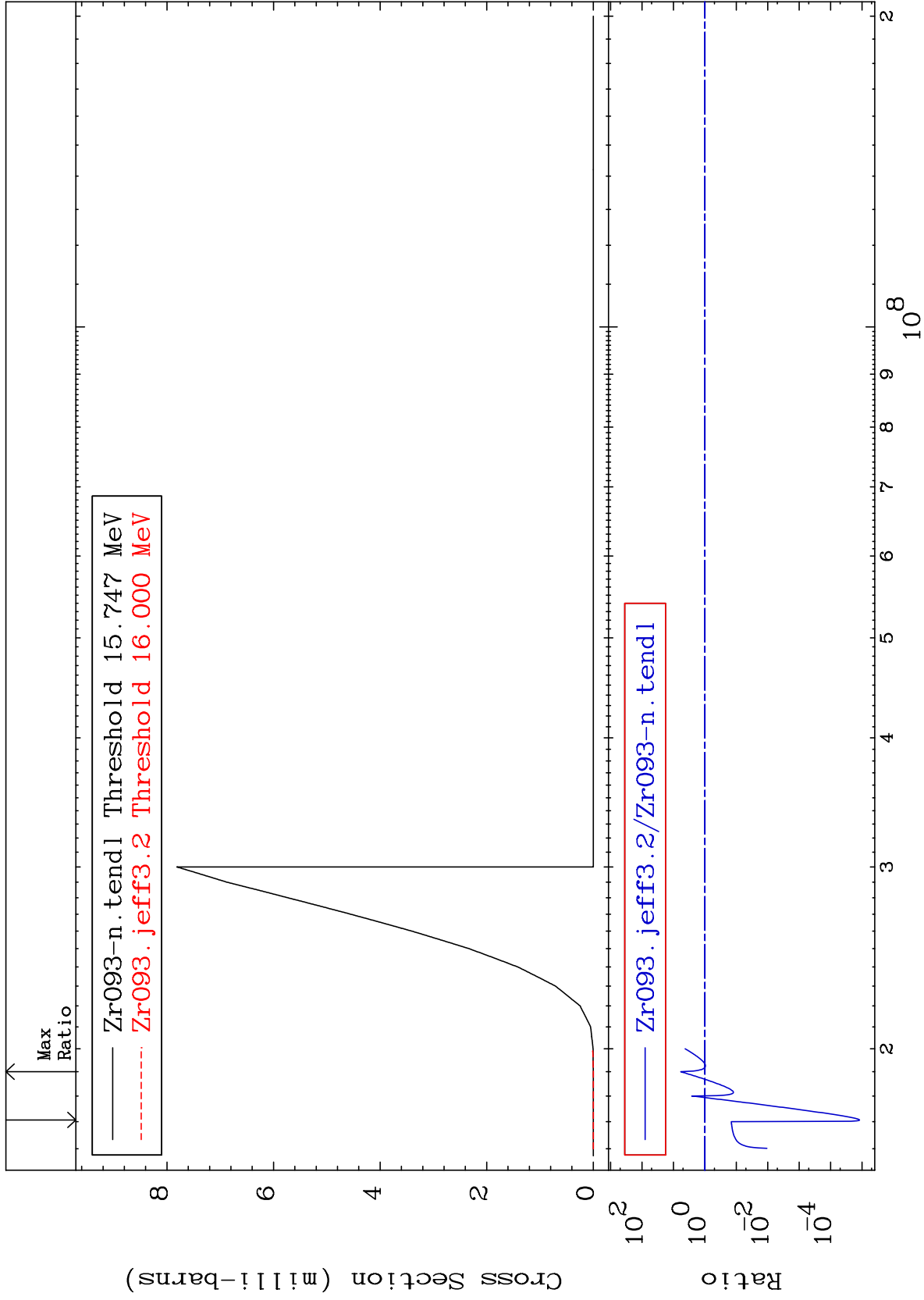




MAT 4034

(n,n') t  
Cross Section

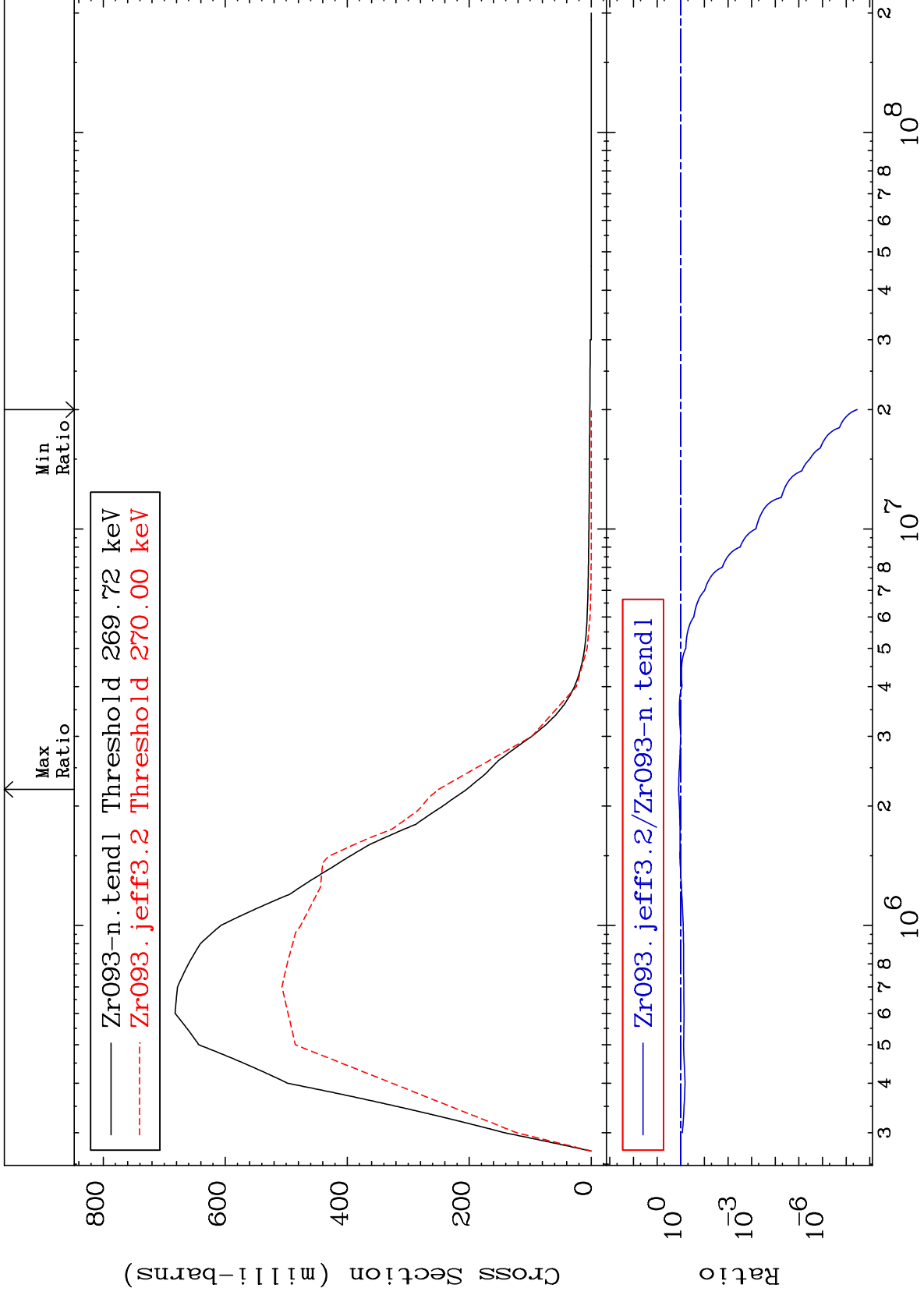
40-Zr-93  
-100.0 To 486.4 %



MAT 4034

266.8 keV (n,n') Level  
Cross Section

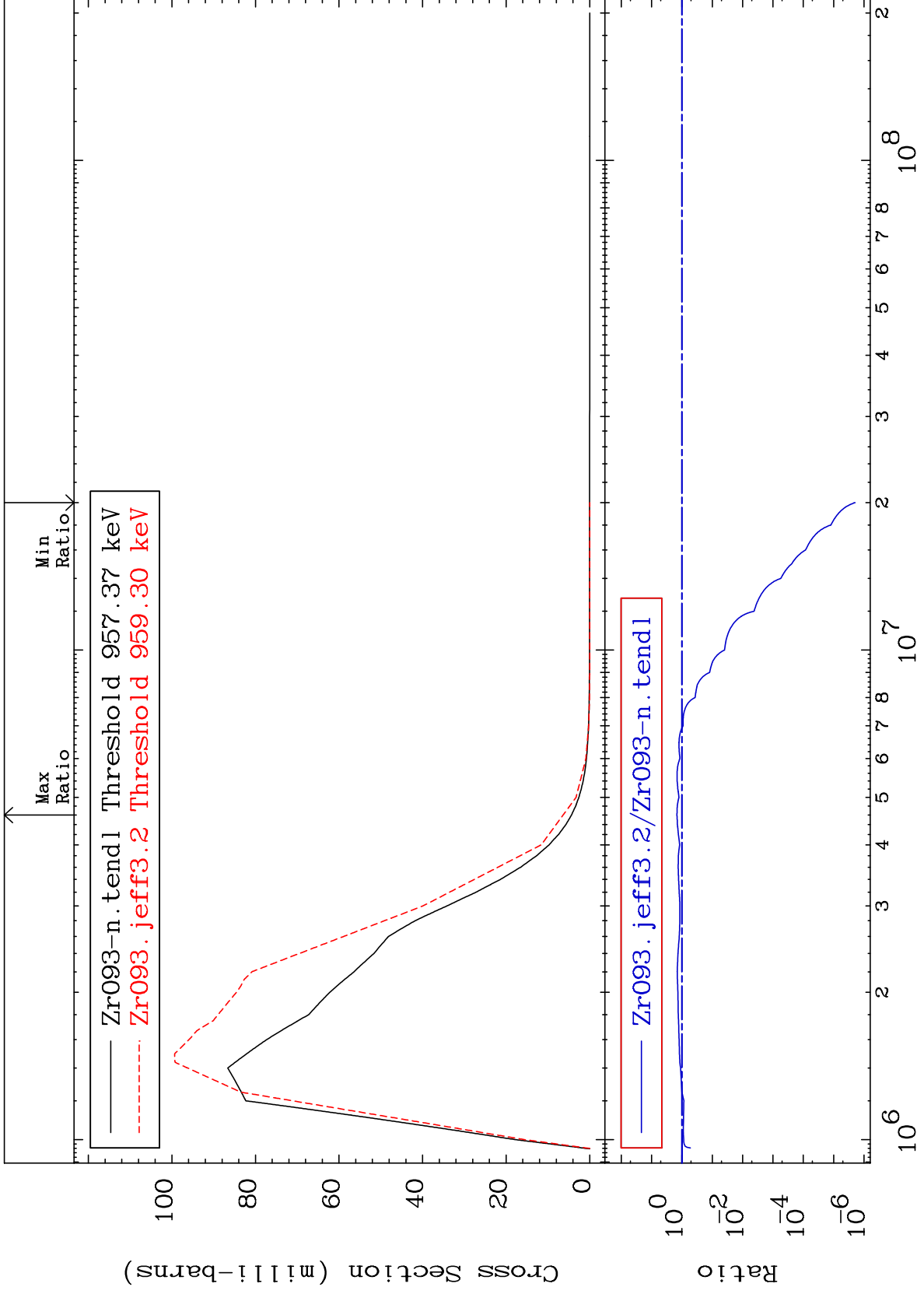
40-Zr-93  
-100.0 To 22.72 %



MAT 4034

947.1 keV (n,n') Level  
Cross Section

40-Zr-93  
-100.0 To 46.16 %



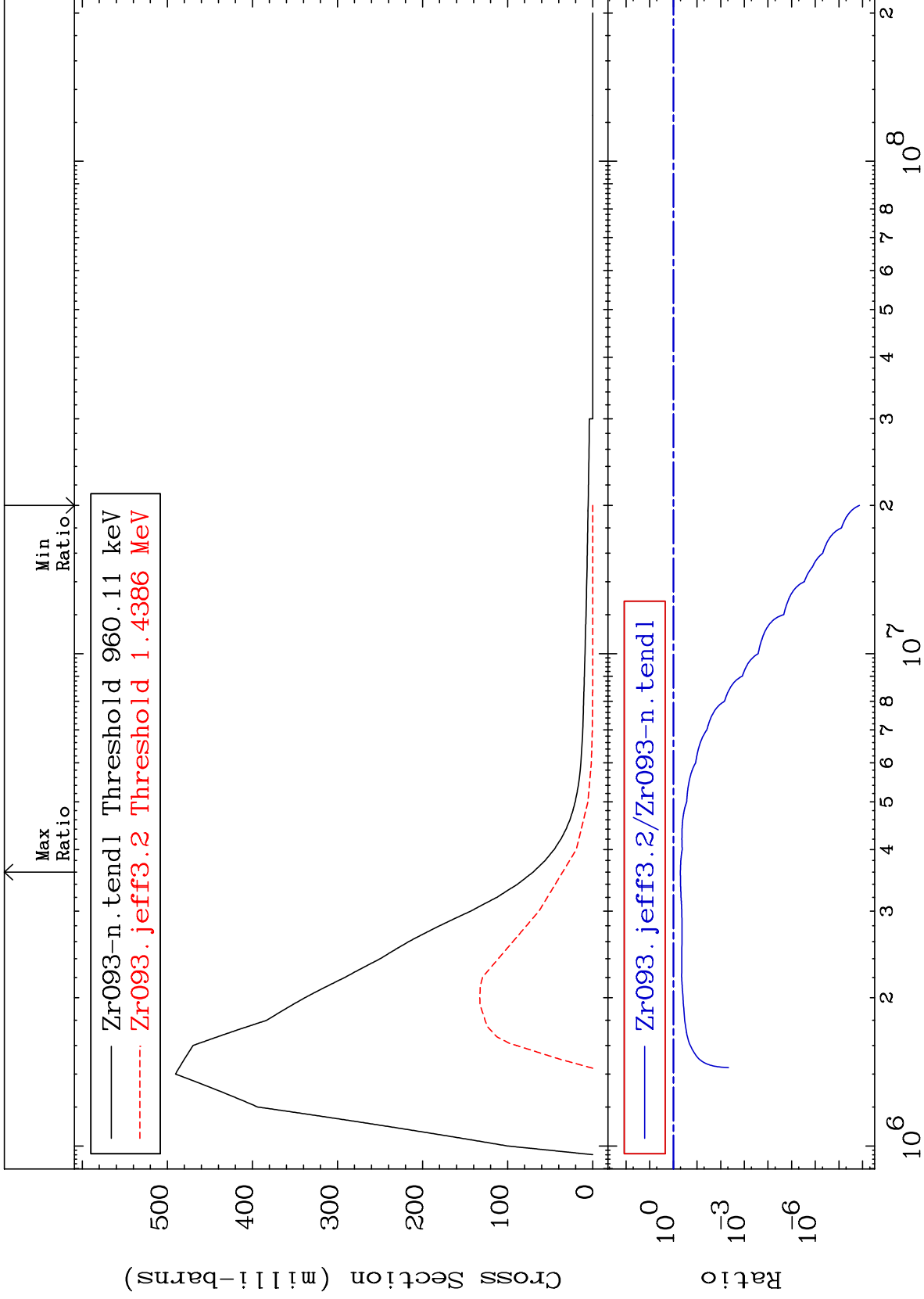
11

40-Zr-93

MAT 4034

949.8 keV (n,n') Level  
Cross Section

40-Zr-93  
-100.0 To -49.48%



12

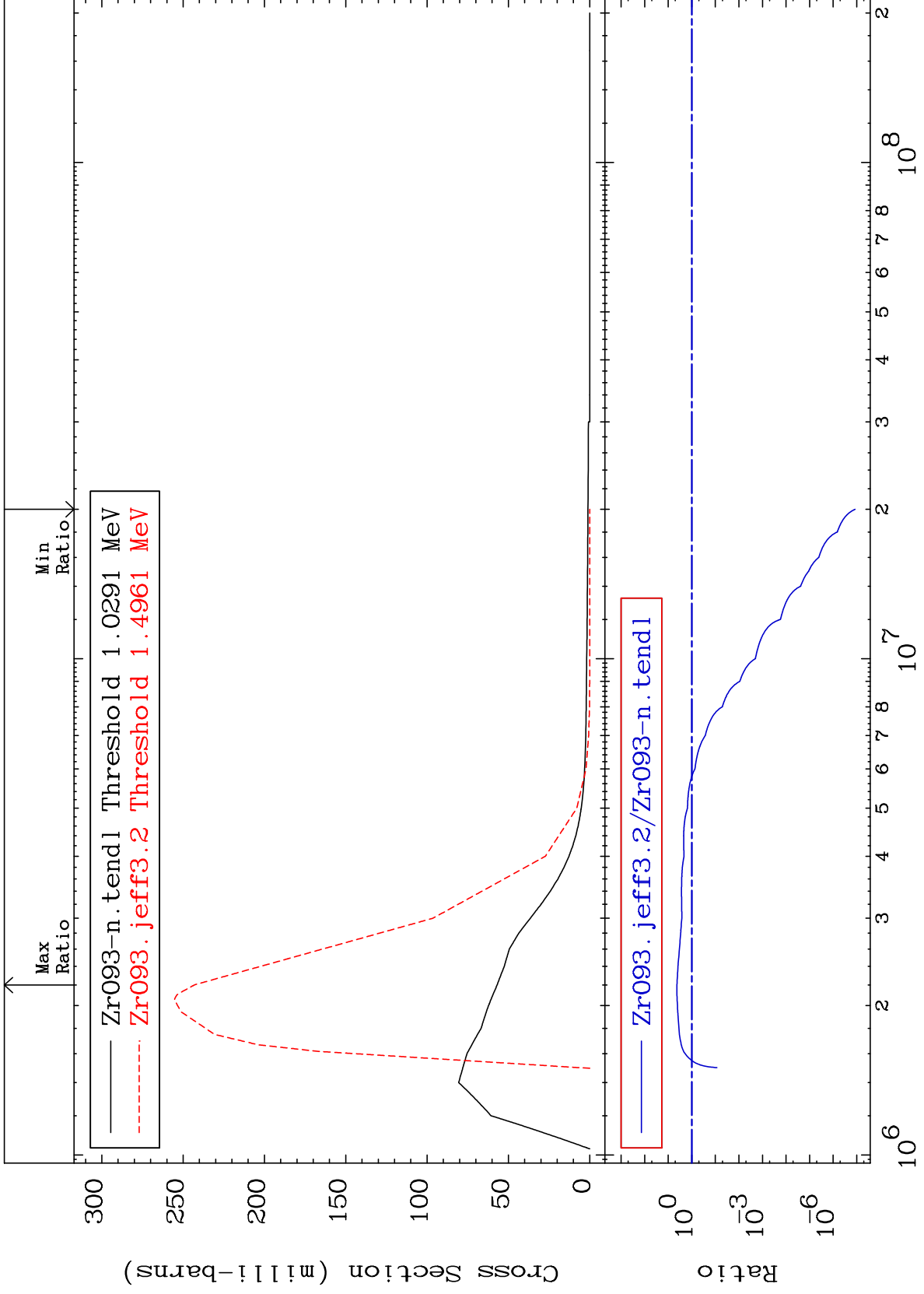
Incident Energy (eV)

40-Zr-93

MAT 4034

1.018 MeV (n,n') Level  
Cross Section

40-Zr-93  
-100.0 To 327.1 %



13

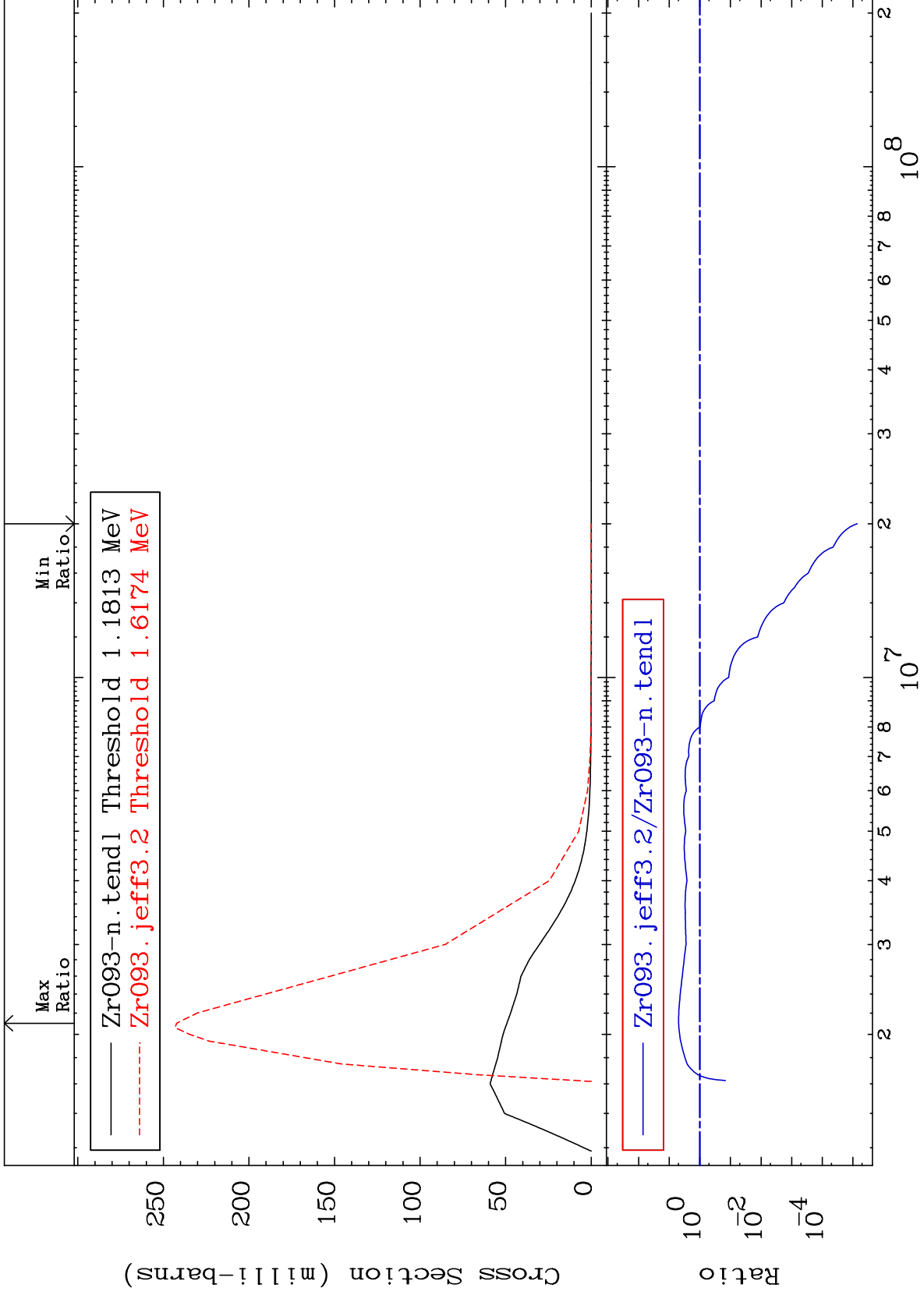
Incident Energy (eV)

40-Zr-93

MAT 4034

1.169 MeV (n,n') Level  
Cross Section

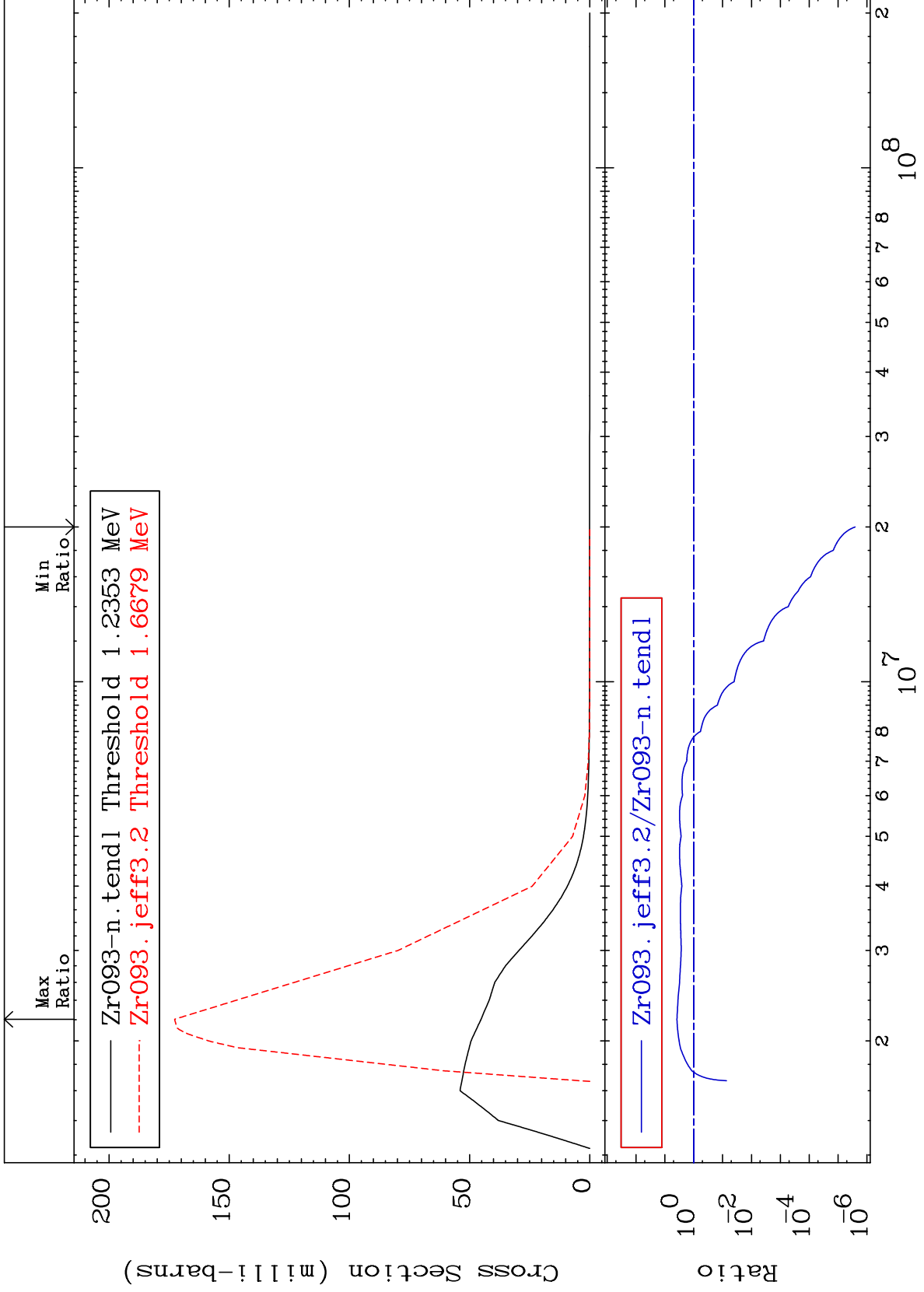
40-Zr-93  
-100.0 To 391.8 %



MAT 4034

1.222 MeV (n,n') Level  
Cross Section

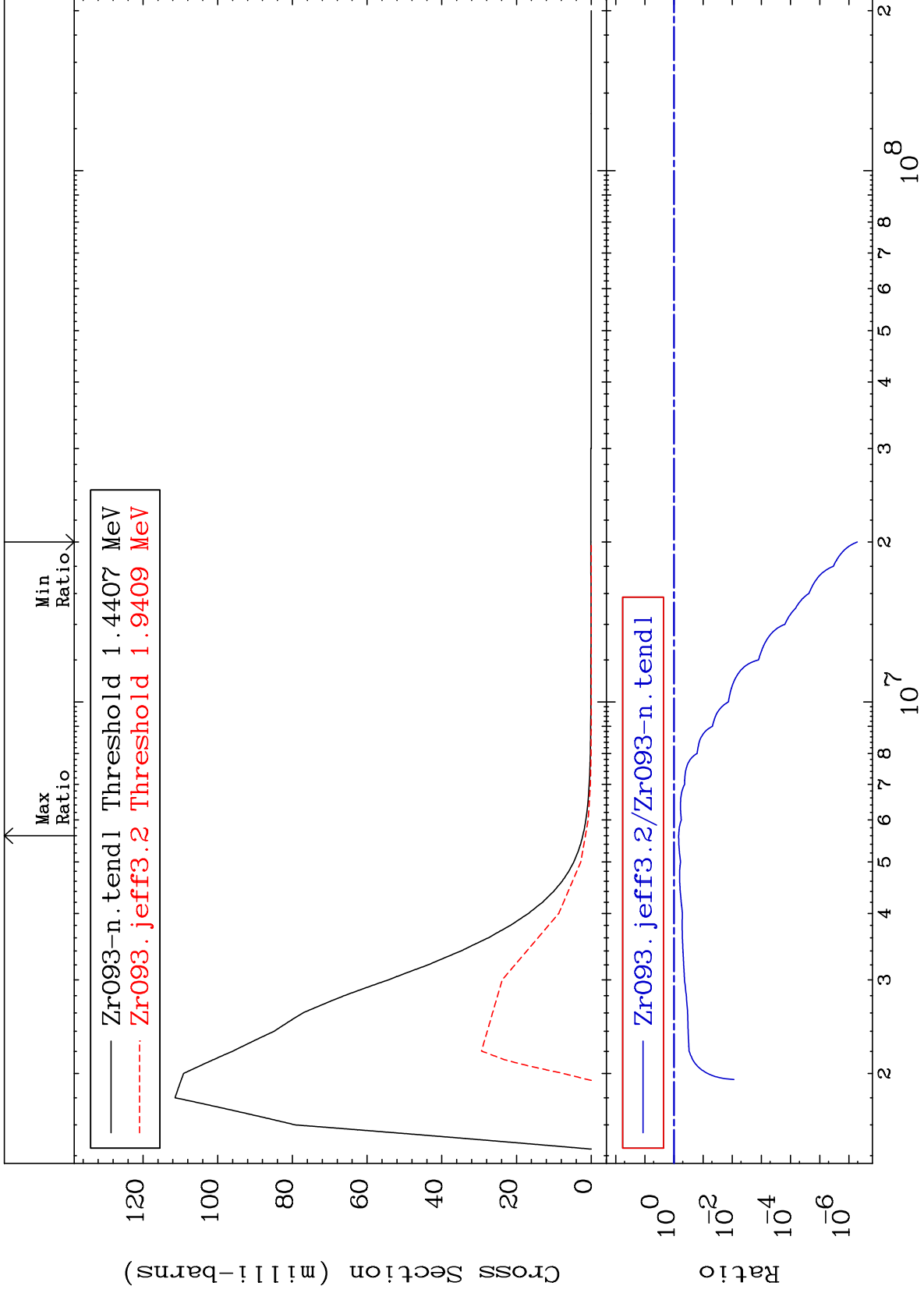
40-Zr-93  
-100.0 To 282.2 %



MAT 4034

1.425 MeV (n,n') Level  
Cross Section

40-Zr-93  
-100.0 To -30.66%

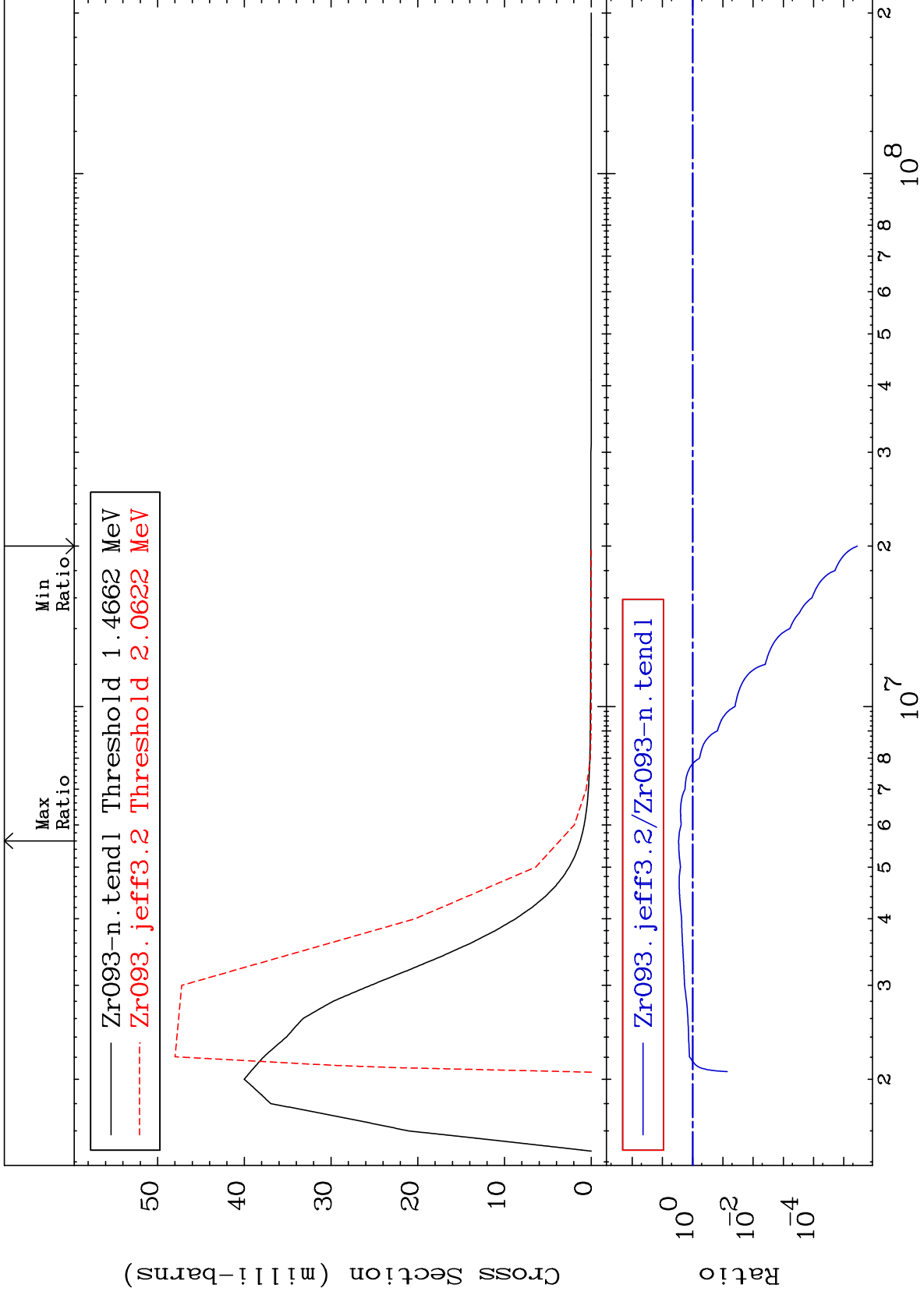




MAT 4034

1.450 MeV (n,n') Level  
Cross Section

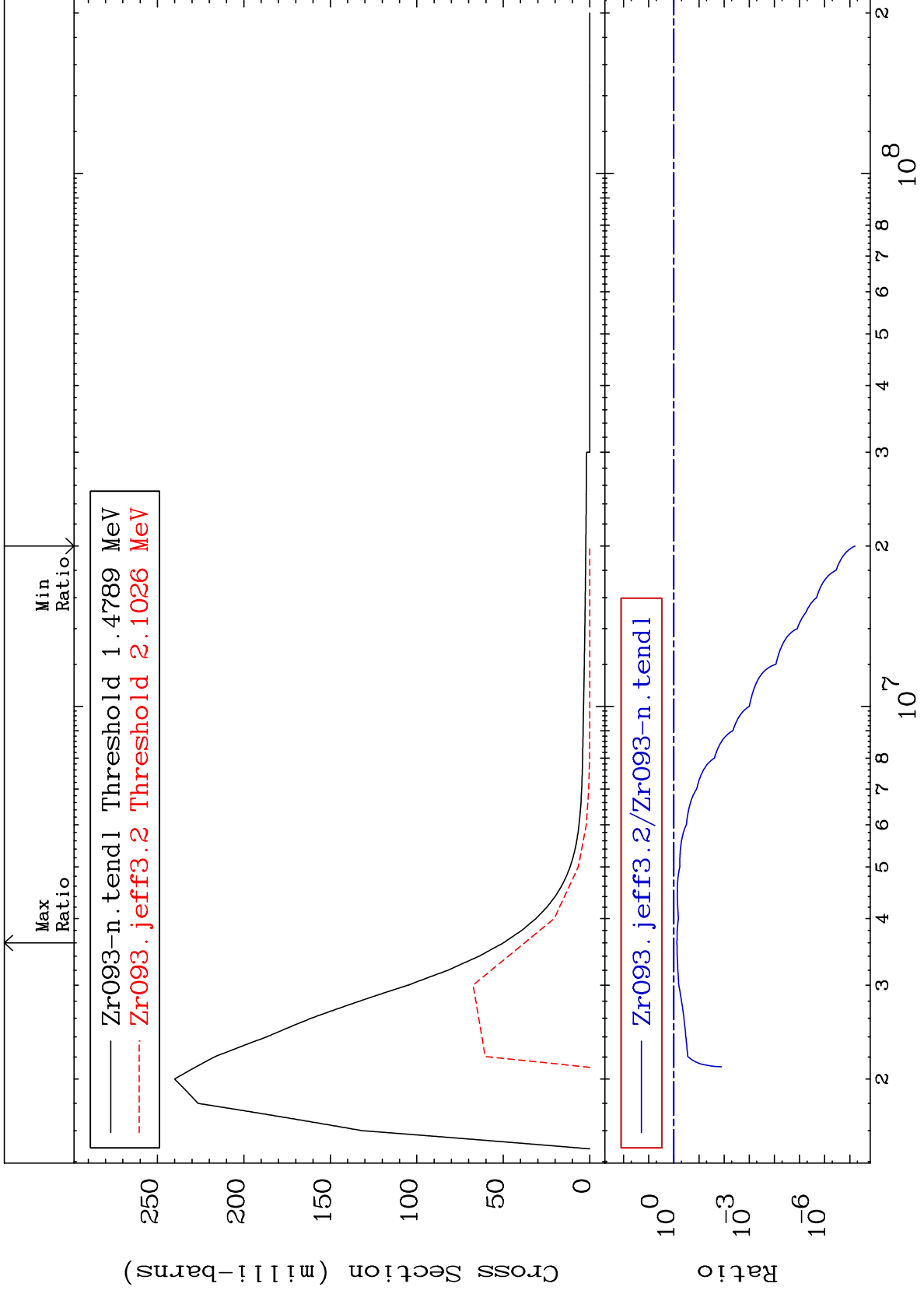
40-Zr-93  
-100.0 To 190.7 %



MAT 4034

1.463 MeV (n,n') Level  
Cross Section

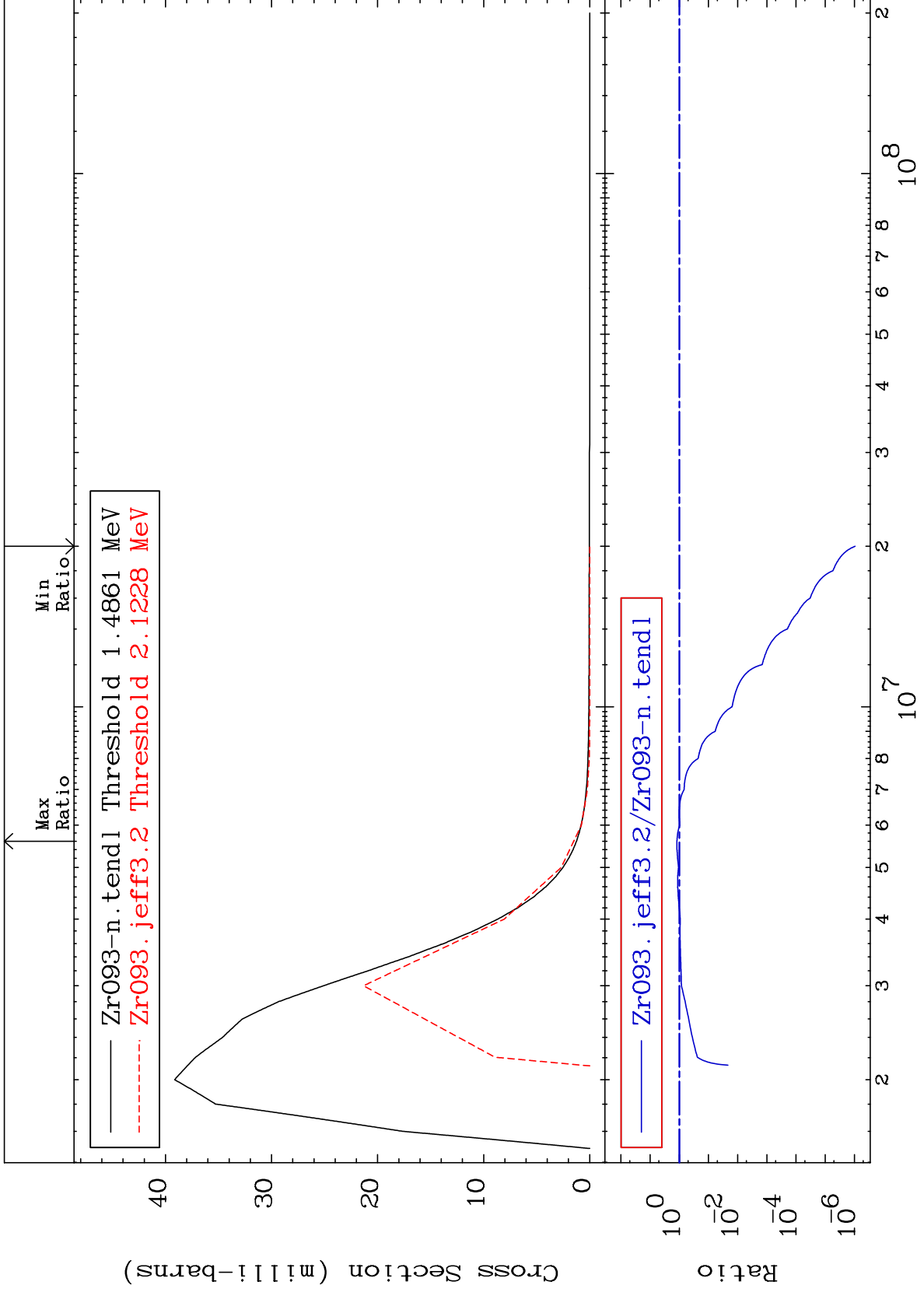
40-Zr-93  
-100.0 To -24.52%



MAT 4034

1.470 MeV (n,n') Level  
Cross Section

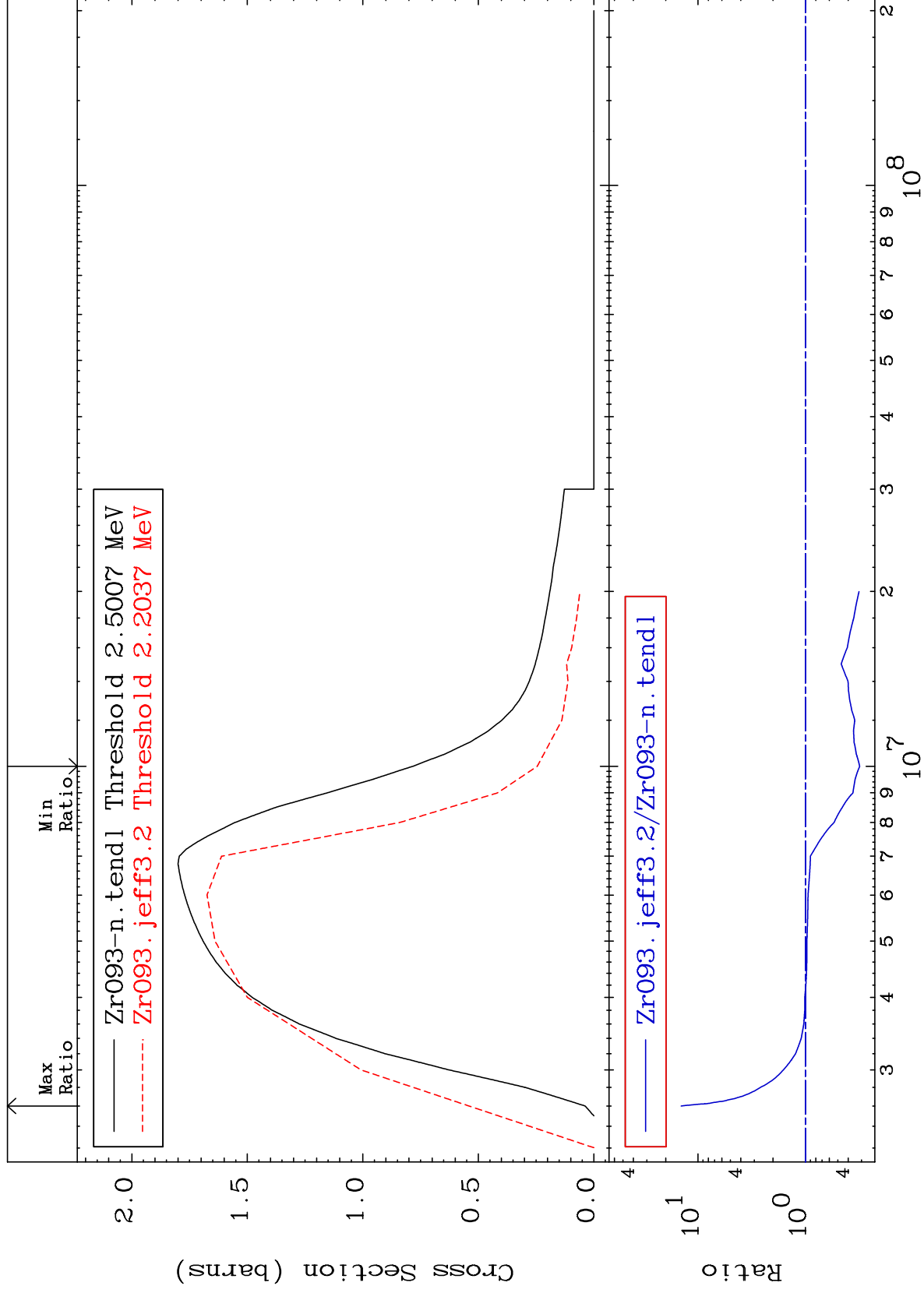
40-Zr-93  
-100.0 To 20.82 %



MAT 4034

(n, n') Continuum  
Cross Section

40-Zr-93  
-68.75 To 1335. %



20

40-Zr-93

40-Zr-93

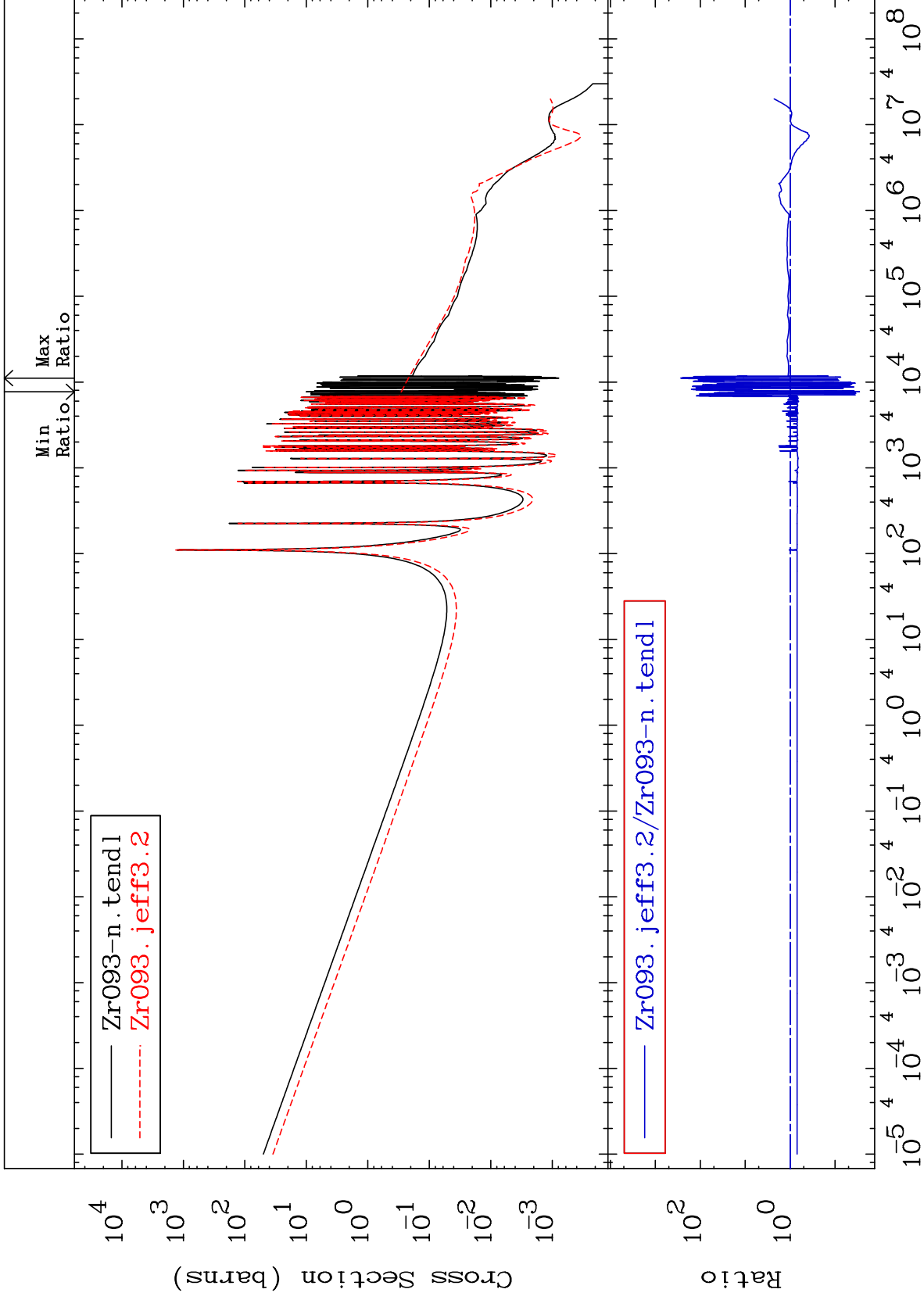
MAT 4034

(n,  $\gamma$ )

40-Zr-93

Cross Section

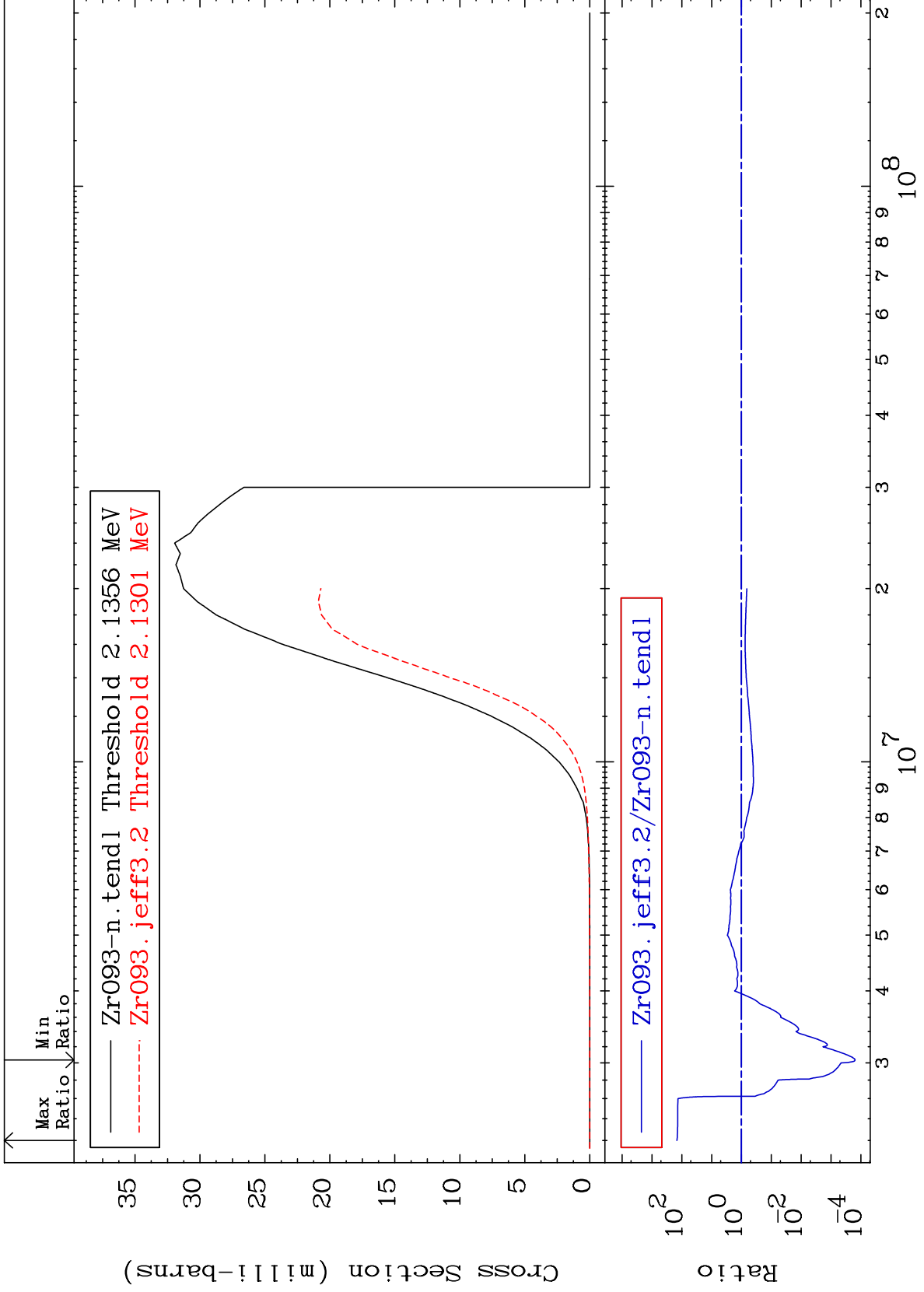
-97.13 To 9999. %



MAT 4034

(n,p)  
Cross Section

40-Zr-93  
-99.98 To 9999. %



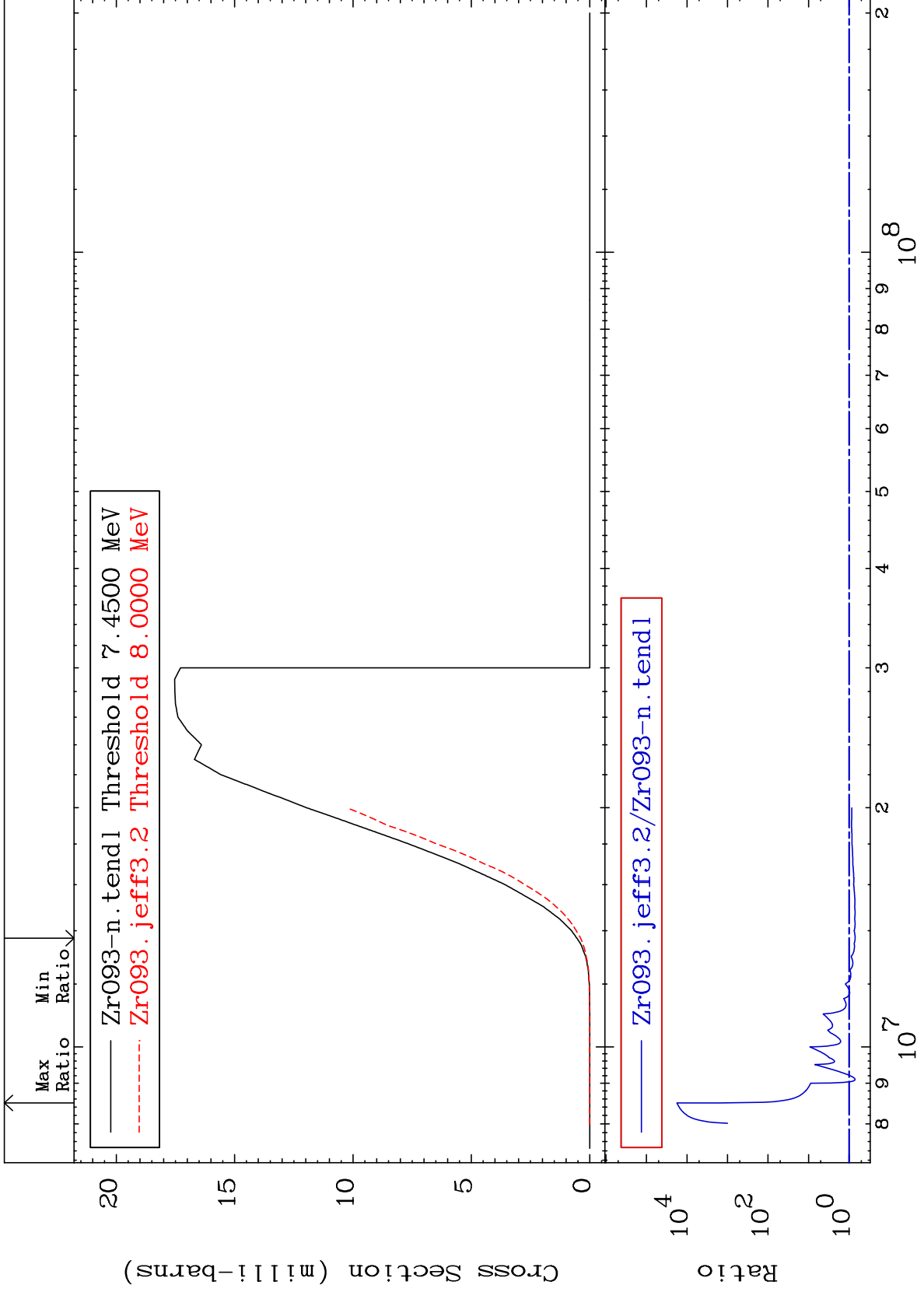
MAT 4034

(n, d)

40-Zr-93

Cross Section

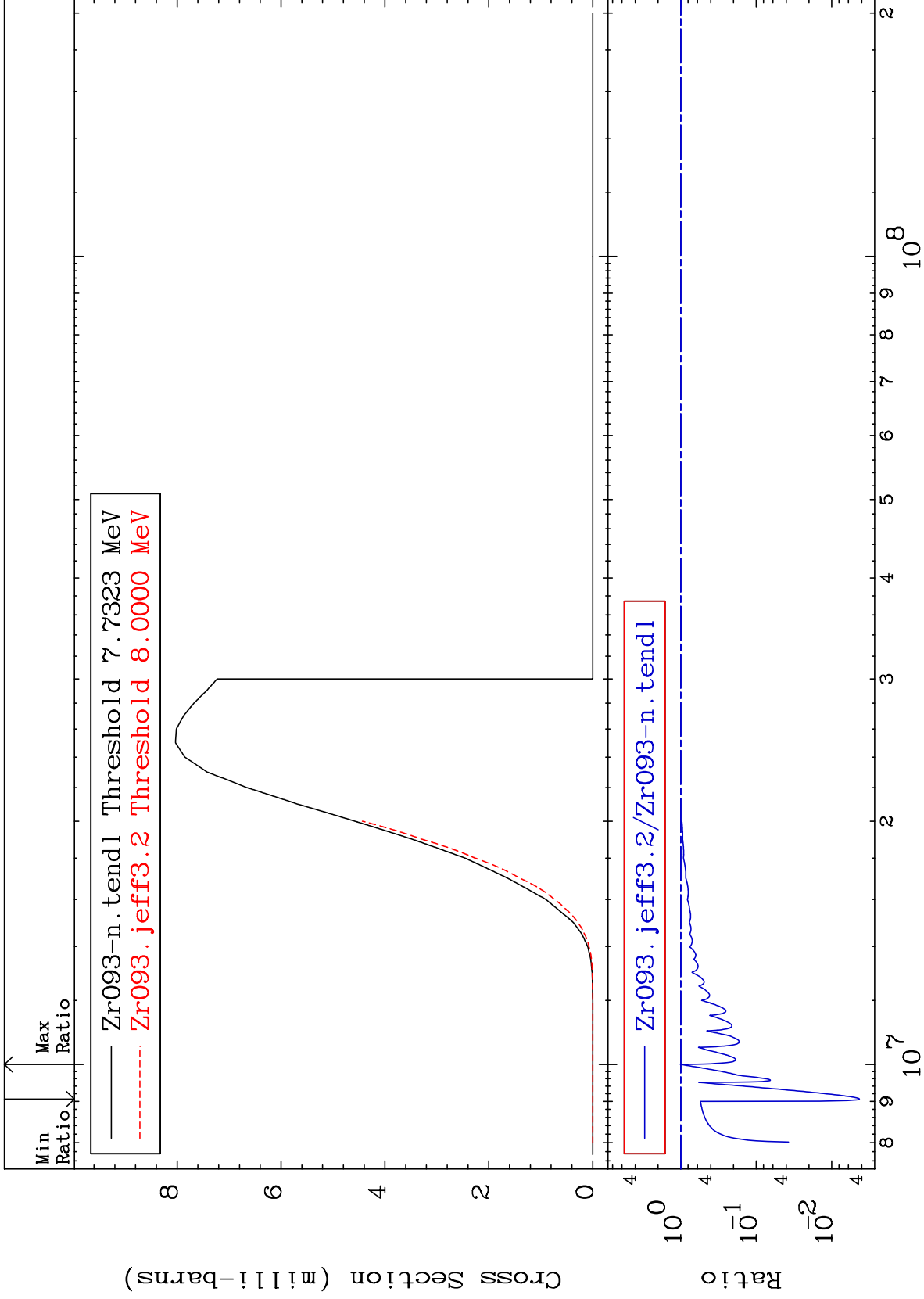
-29.06 To 9999. %



MAT 4034

(n, t)  
Cross Section

40-Zr-93  
-99.57 To 1.200 %





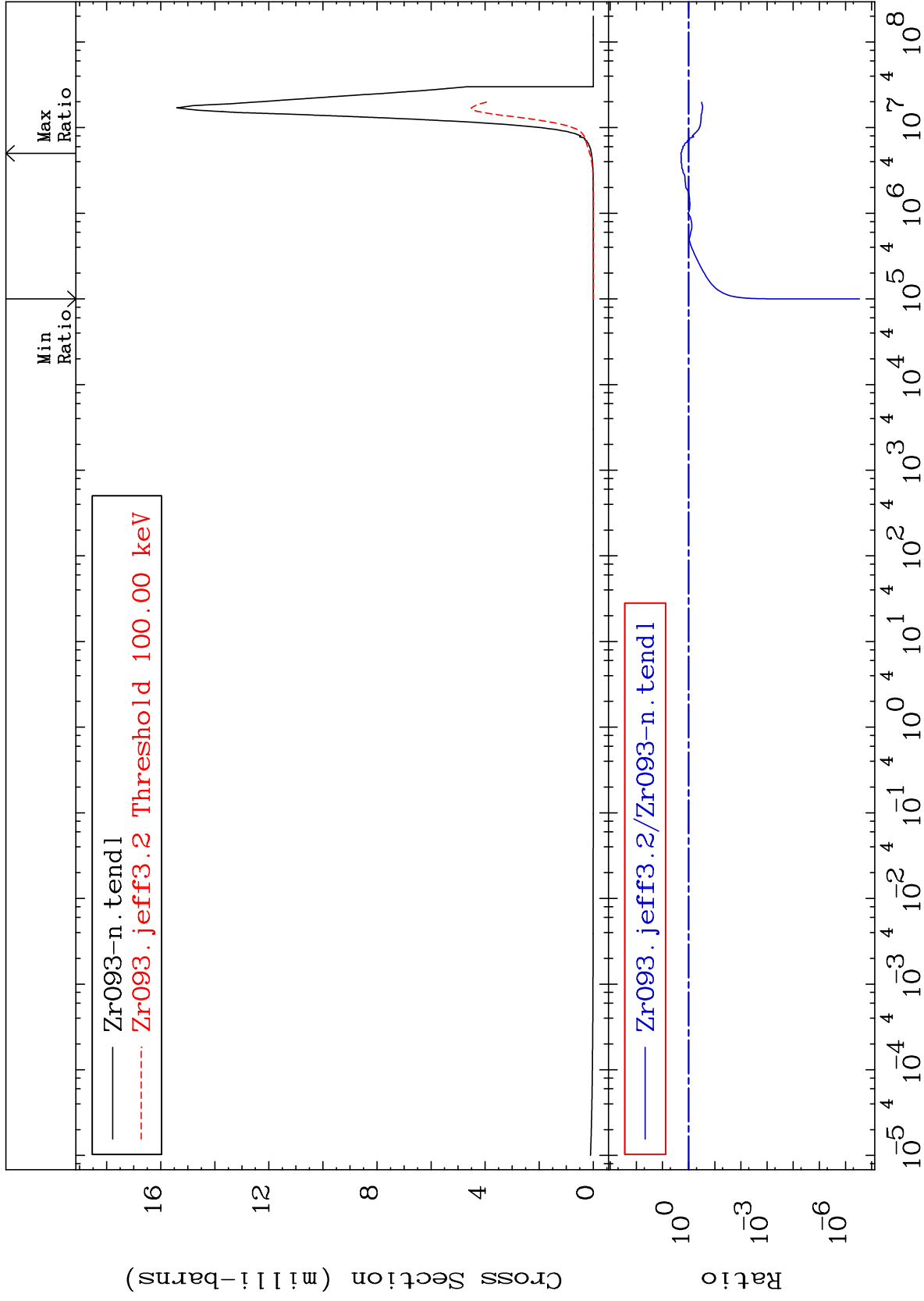
MAT 4034

(n,  $\alpha$ )

40-Zr-93

Cross Section

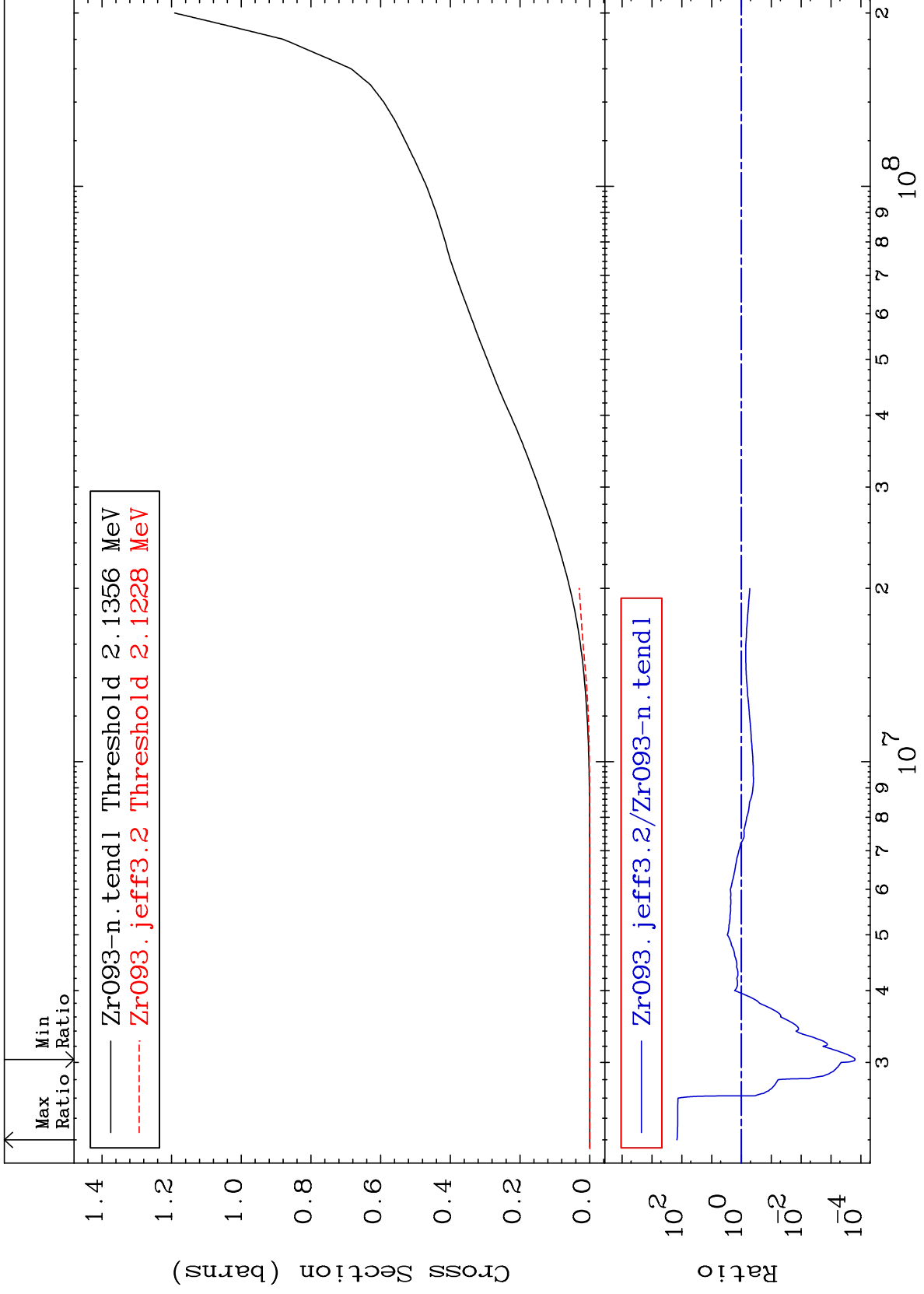
-100.0 To 99.70 %



25

Incident Energy (eV)

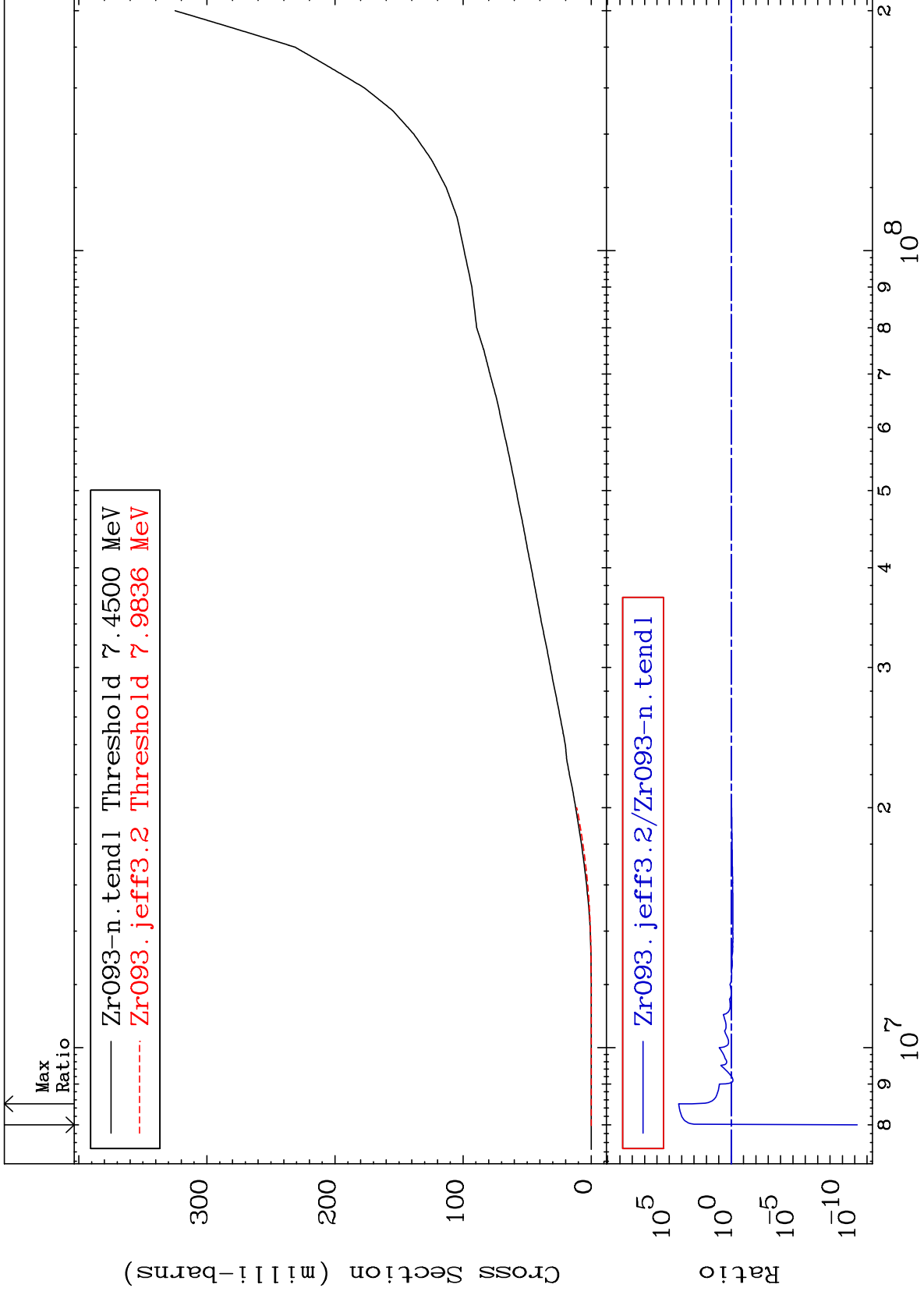
40-Zr-93



MAT 4034

Deuterium Production  
Cross Section

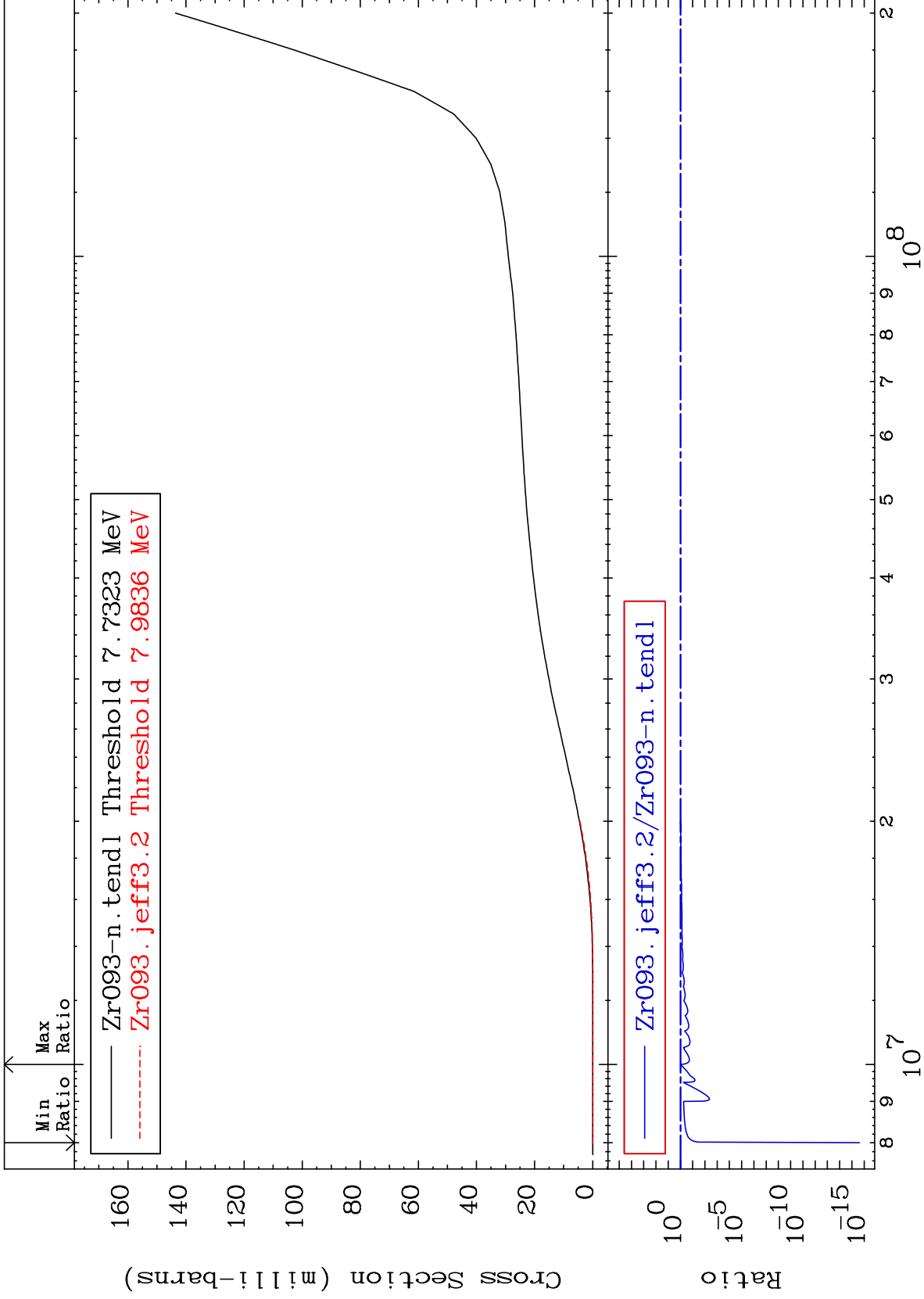
40-Zr-93  
-100.0 To 9999. %



MAT 4034

Tritium Production  
Cross Section

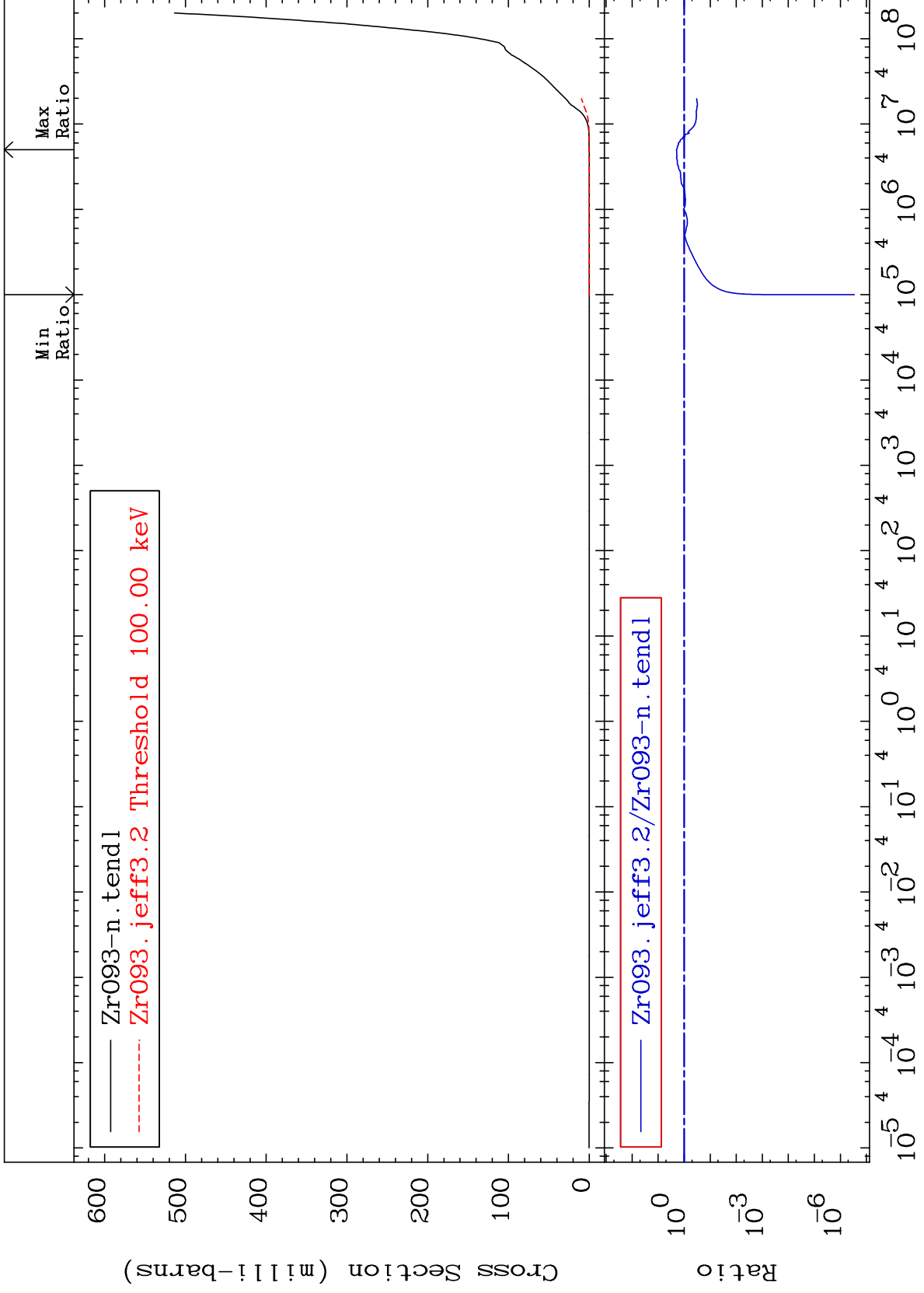
40-Zr-93  
-100.0 To 1.200 %



MAT 4034

He-4 Production  
Cross Section

40-Zr-93  
-100.0 To 99.70 %



29

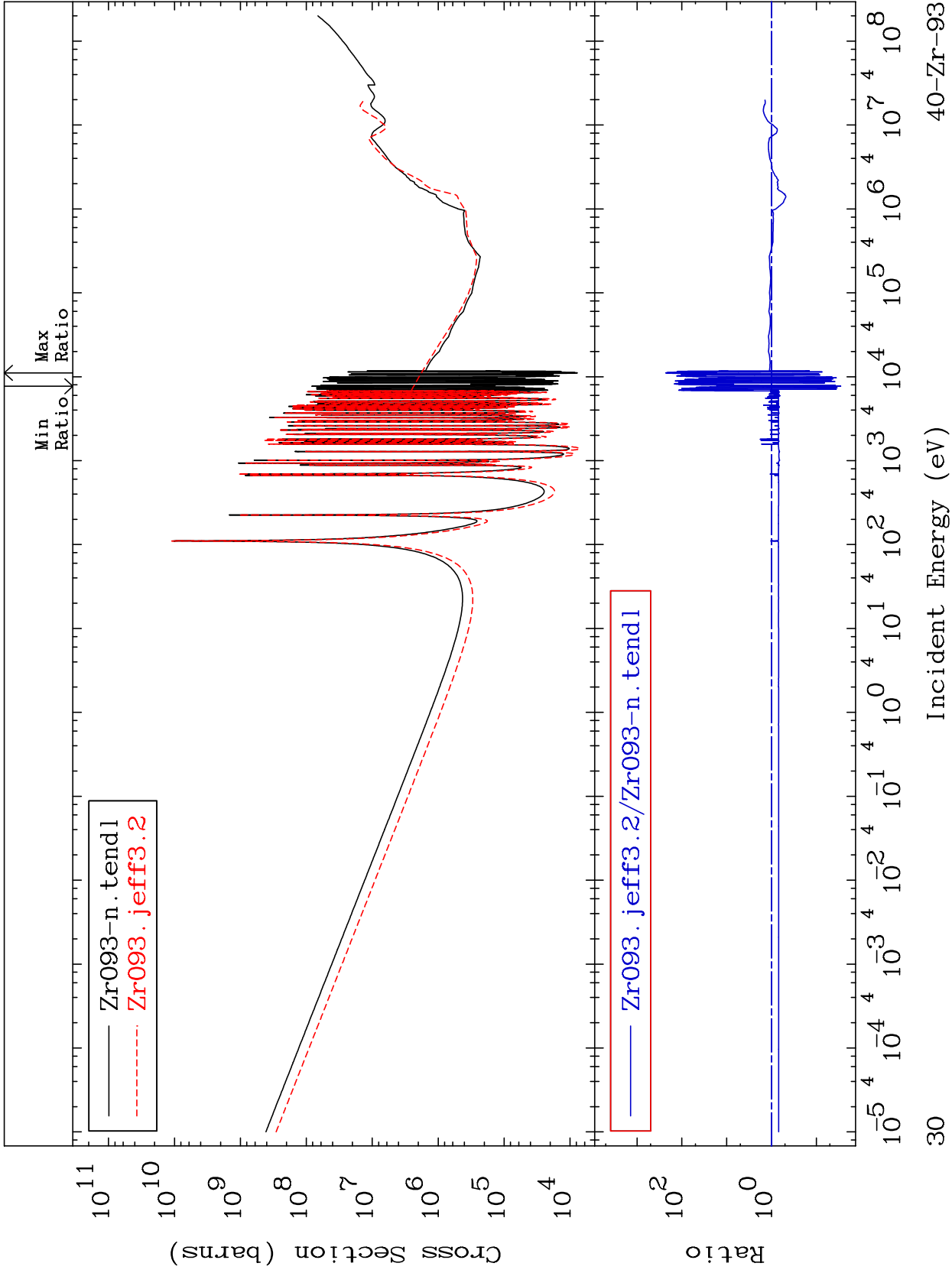
40-Zr-93

40-Zr-93

MAT 4034

Kerma total (eV-barns)  
Cross Section

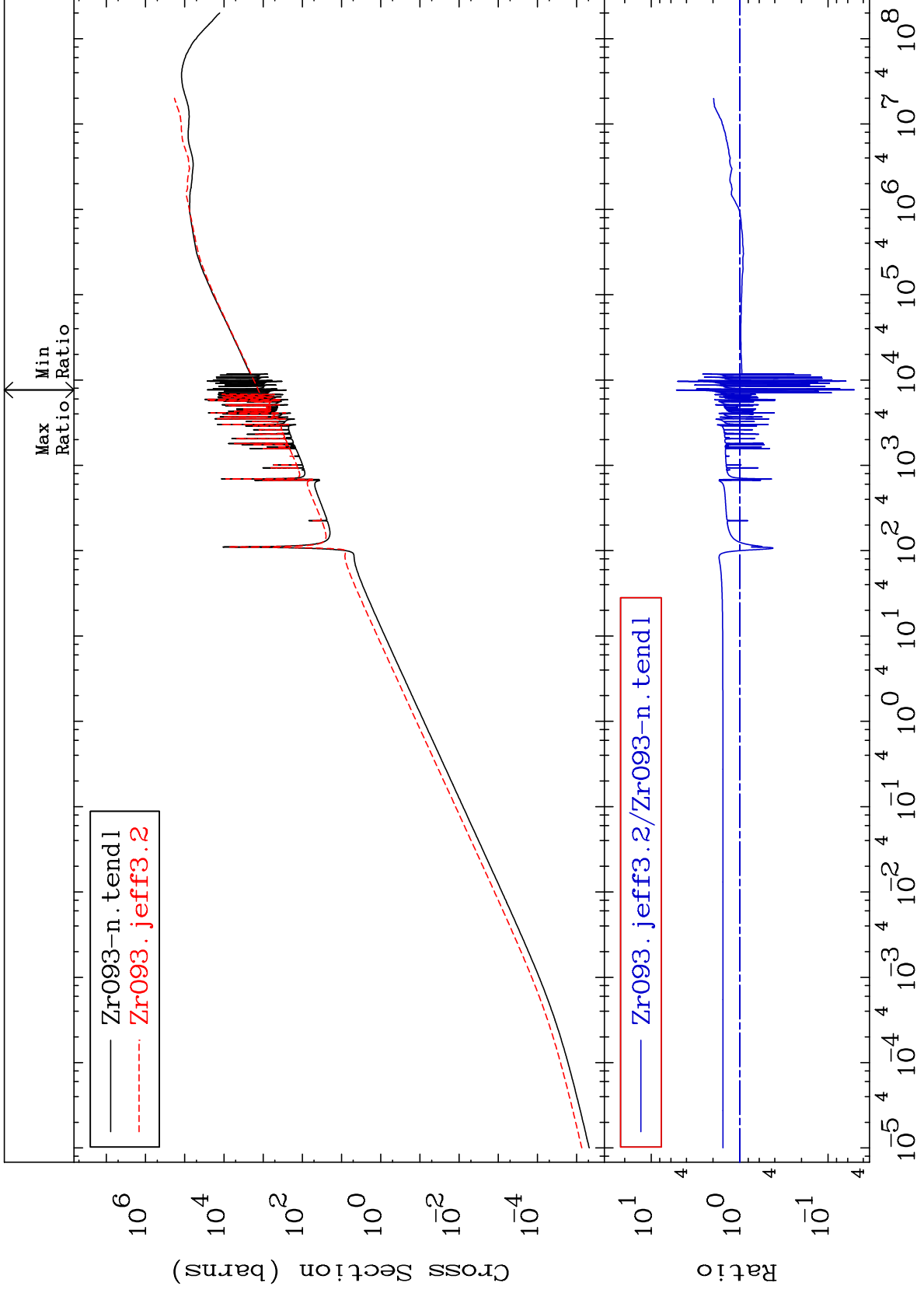
40-Zr-93  
-97.12 To 9999. %



MAT 4034

Kerma elastic  
Cross Section

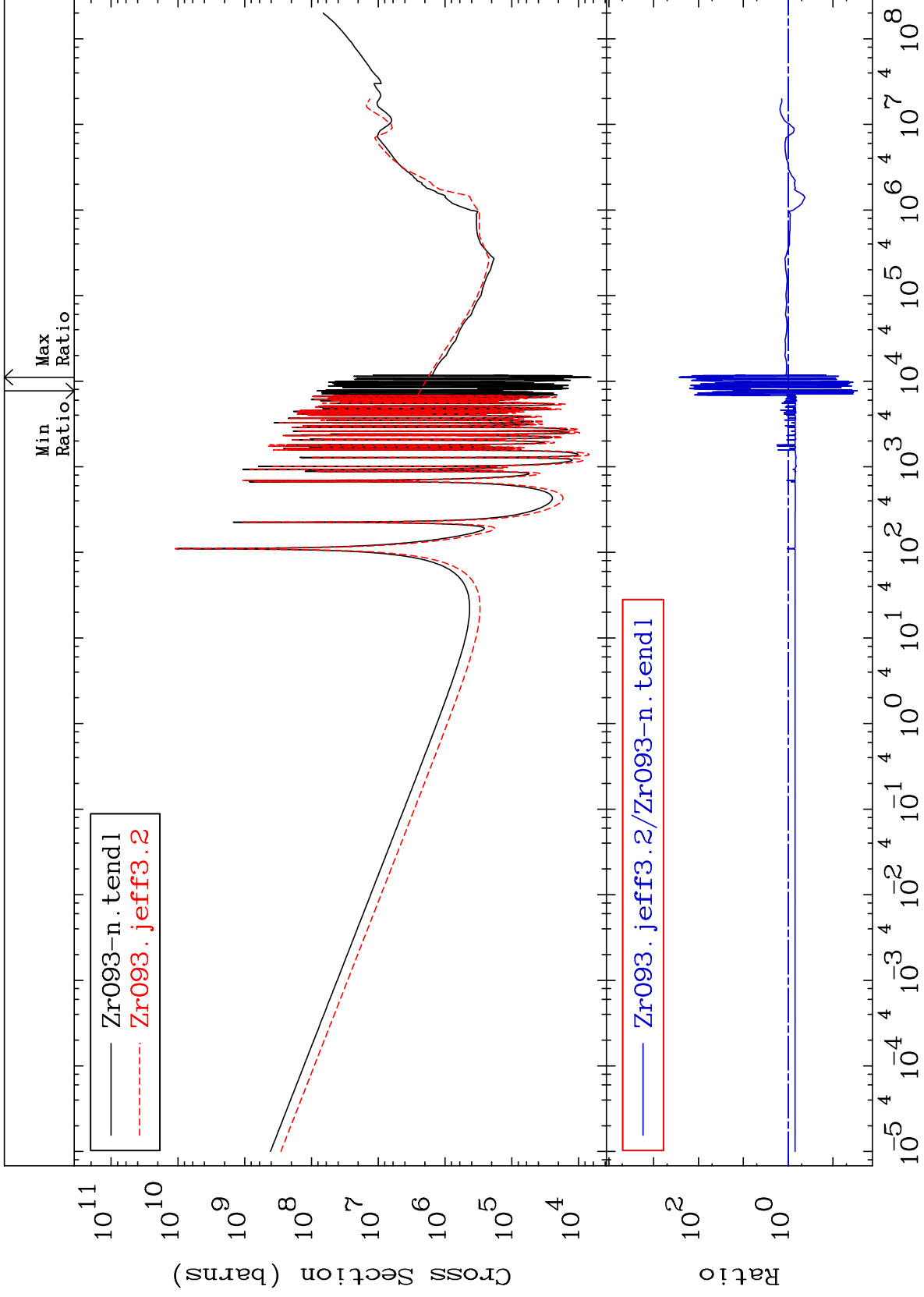
40-Zr-93  
-94.96 To 420.0 %



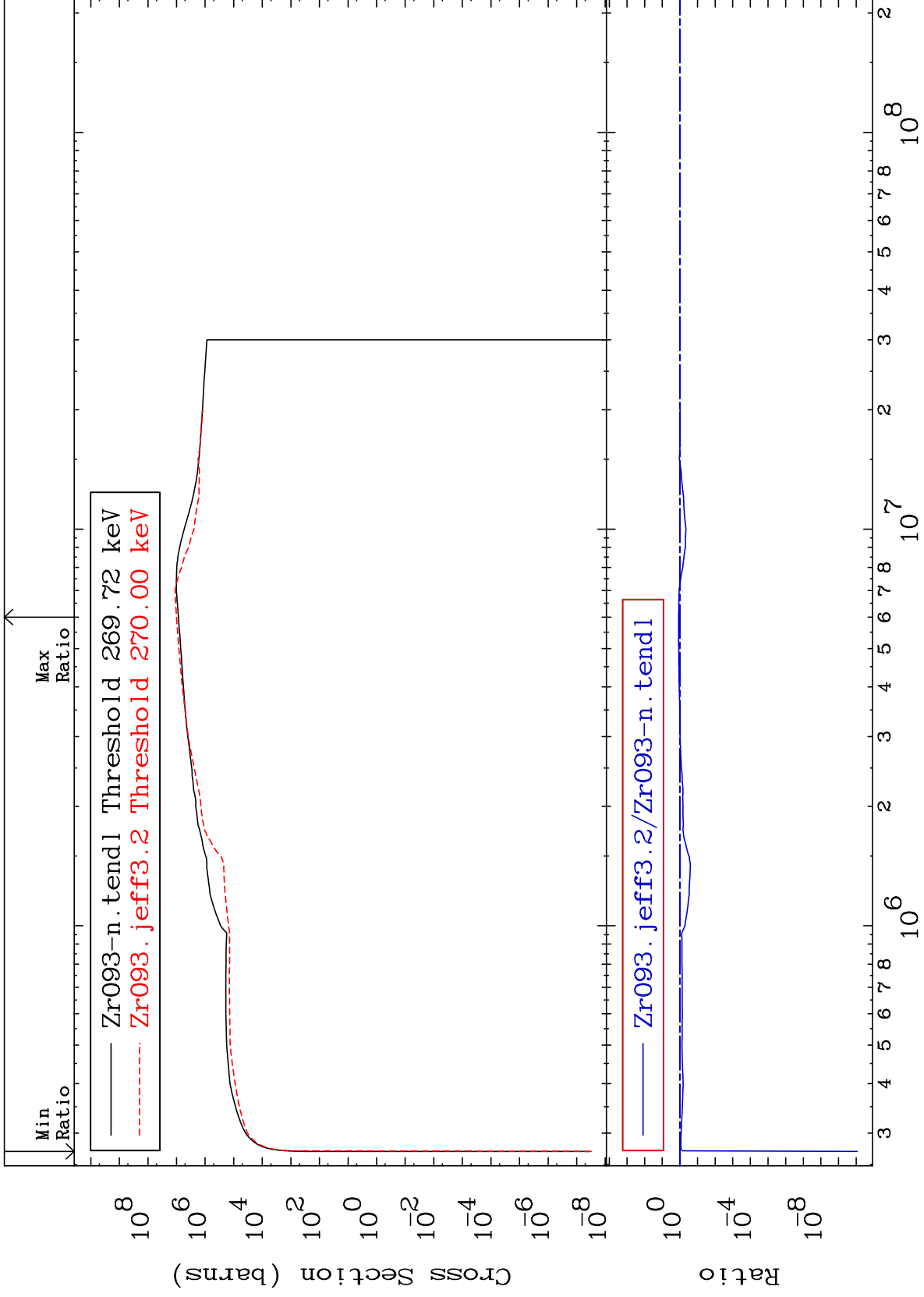
MAT 4034

Kerma non-elastic (all but mt2)  
Cross Section

40-Zr-93  
-97.12 To 9999. %



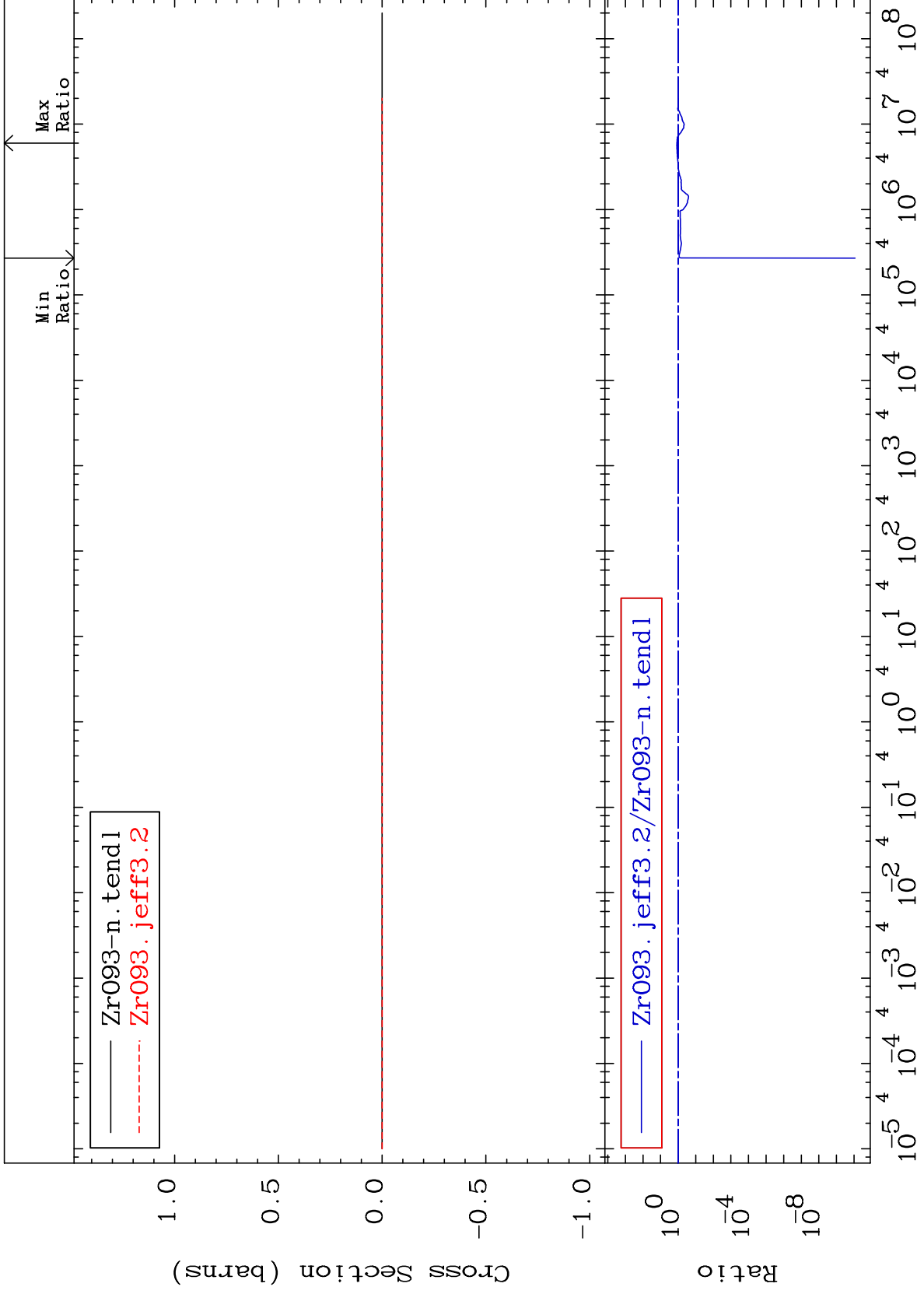




MAT 4034

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

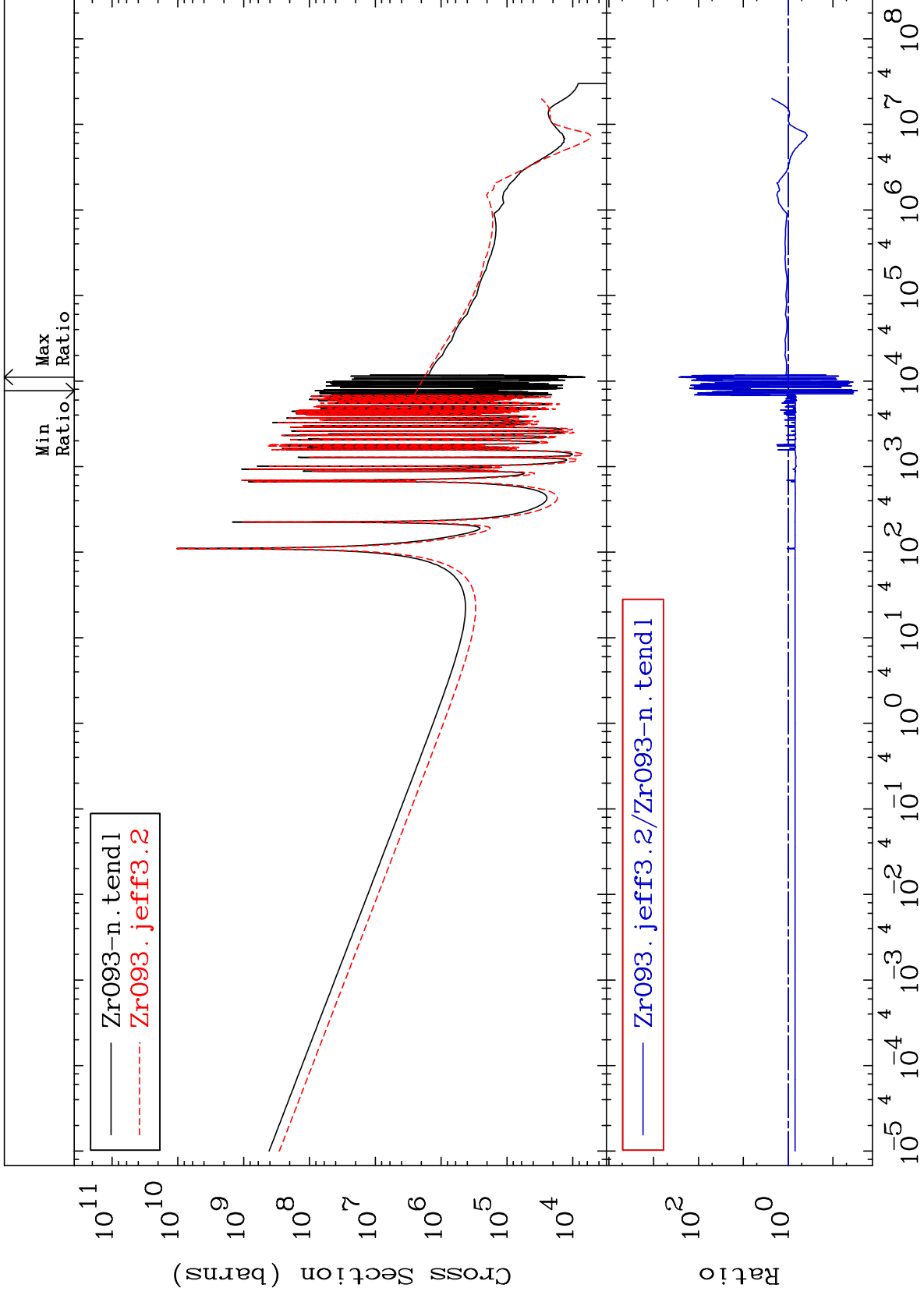
40-Zr-93  
-100.0 To 17.37 %



MAT 4034

Kerma capture (mt102)  
Cross Section

40-Zr-93  
-97.12 To 9999. %



35

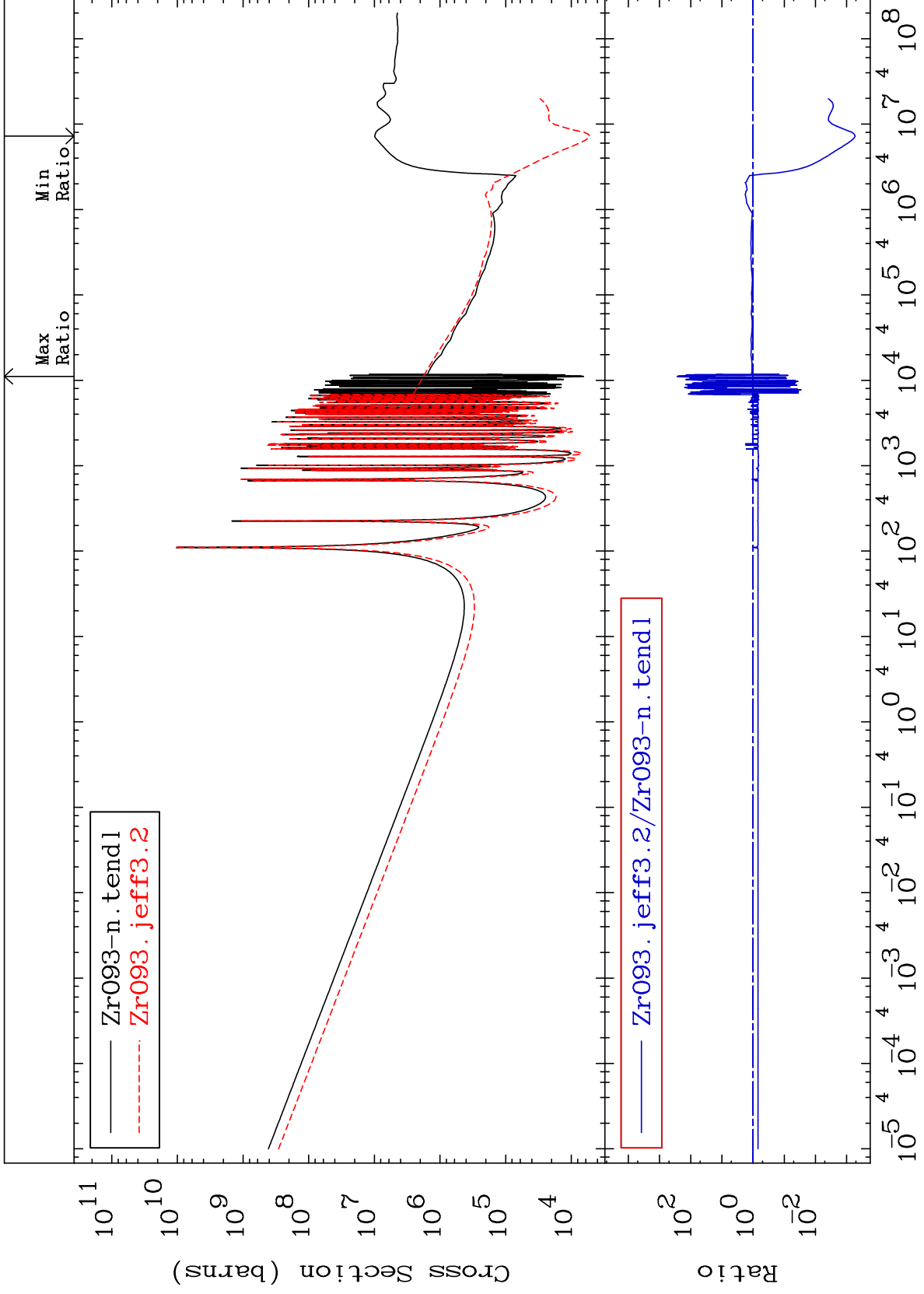
Incident Energy (eV)

40-Zr-93

MAT 4034

Total photon (eV-barns)  
Cross Section

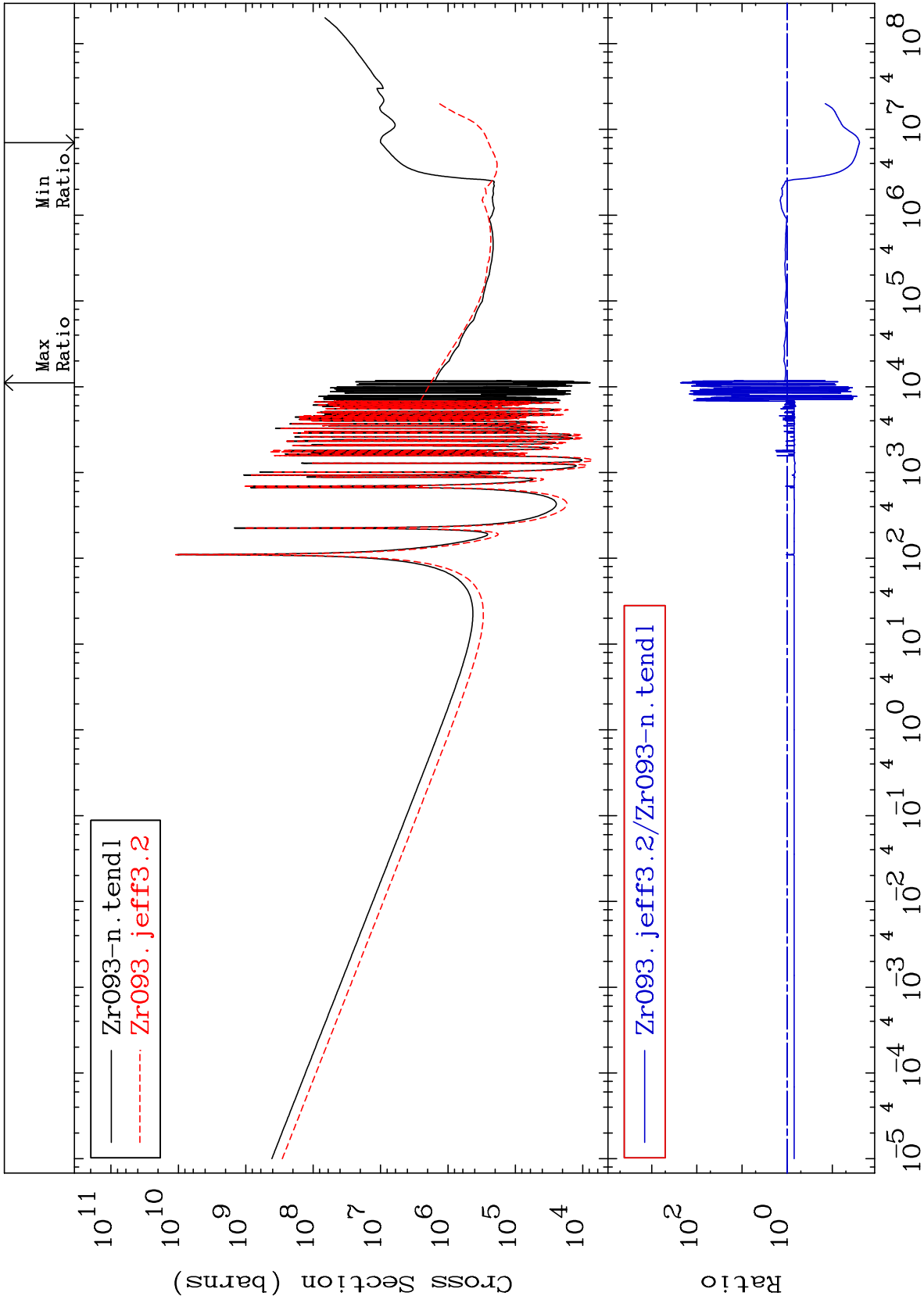
40-Zr-93  
-99.95 To 9999. %



MAT 4034

Total kinematic kerma (high limit)  
Cross Section

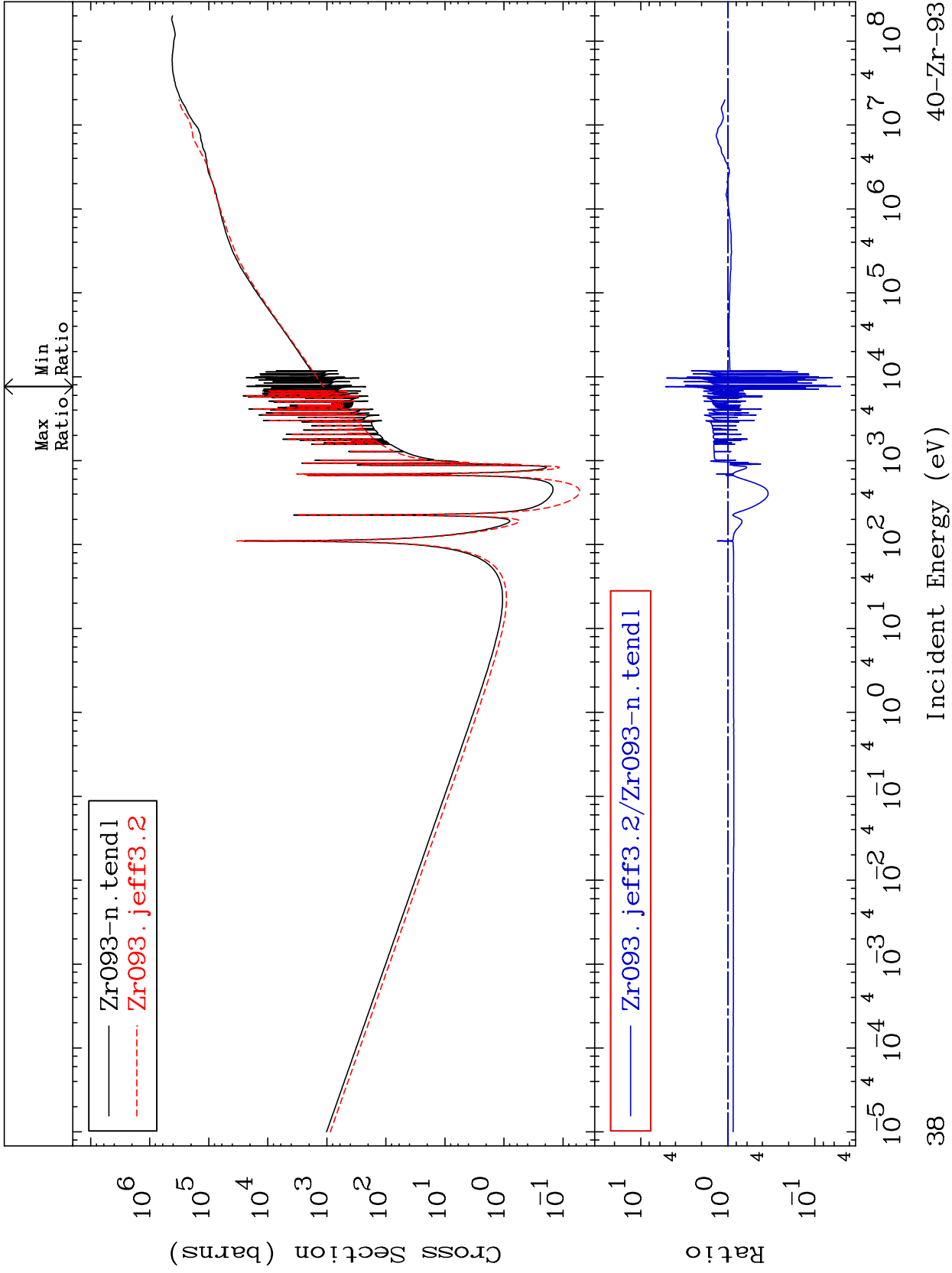
40-Zr-93  
-97.49 To 9999. %



MAT 4034

Dpa total (eV-barns)  
Cross Section

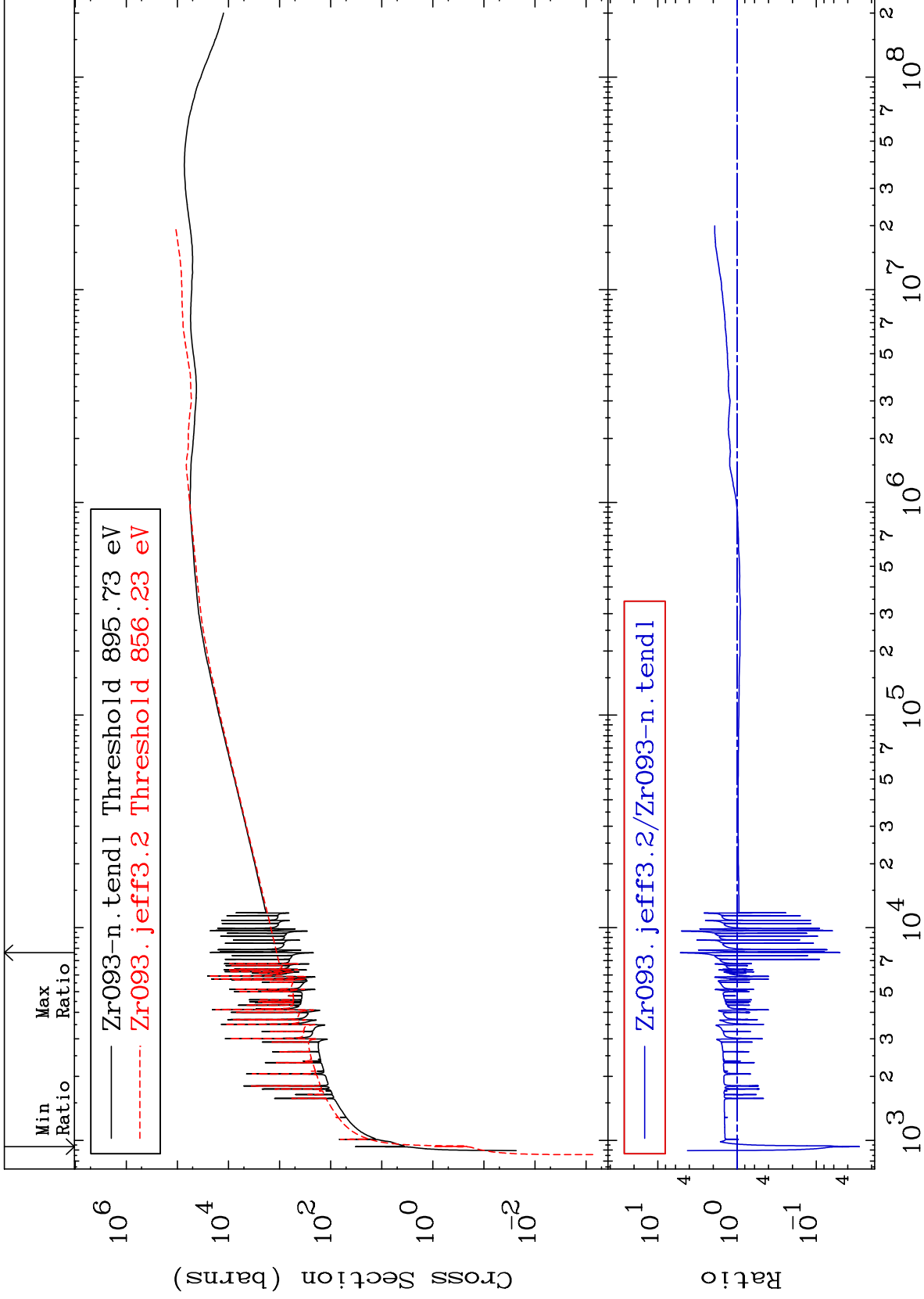
40-Zr-93  
-94.95 To 419.2 %



MAT 4034

Dpa elastic (mt2)  
Cross Section

40-Zr-93  
-97.15 To 419.8 %



39

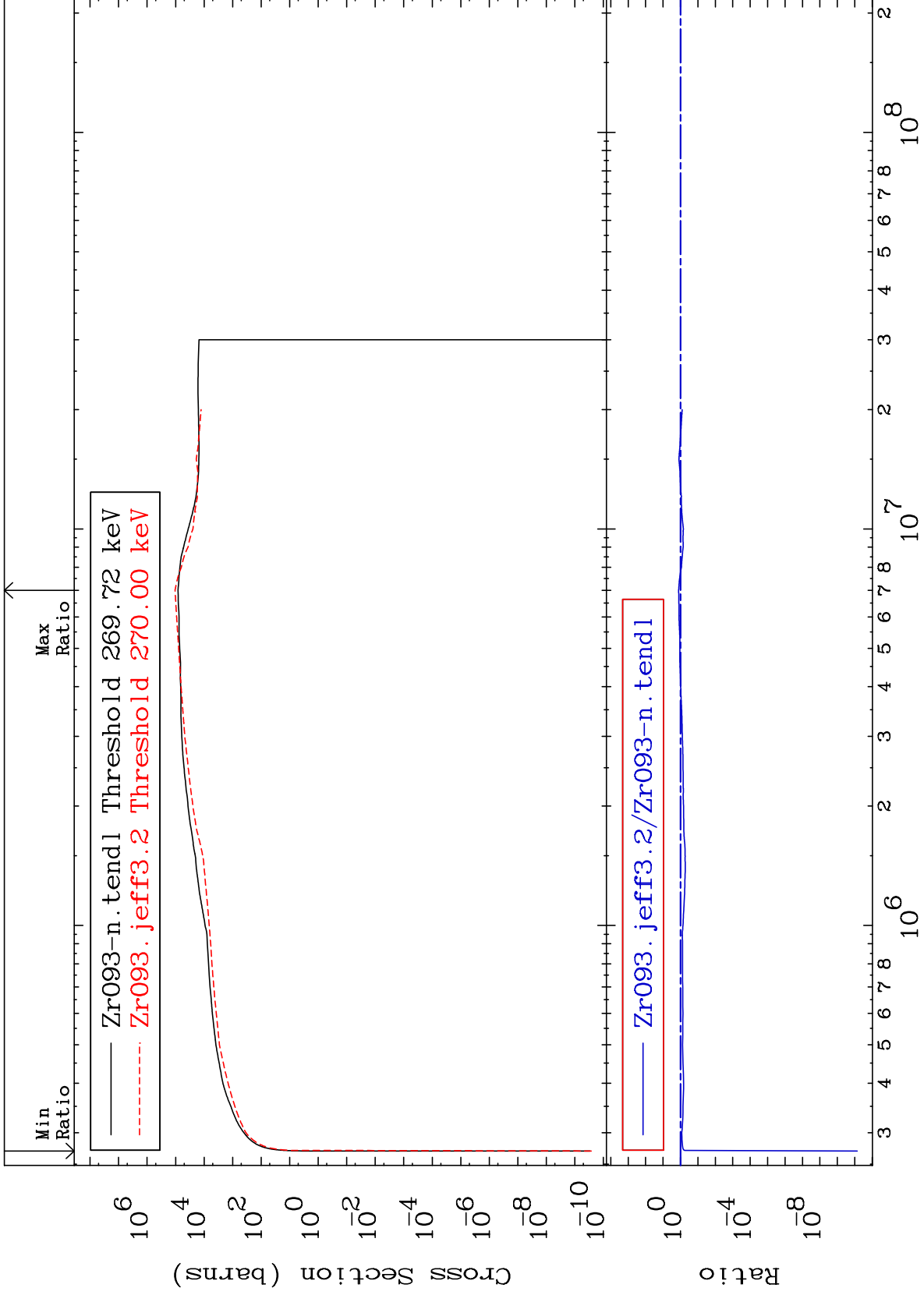
Incident Energy (eV)

40-Zr-93

MAT 4034

Dpa inelastic (mt51-91)  
Cross Section

40-Zr-93  
-100.0 To 27.33 %



40

Incident Energy (eV)

40-Zr-93



MAT 4034

Dpa disappearance (mt102 -120)  
Cross Section

40-Zr-93  
-96.44 To 9999. %

