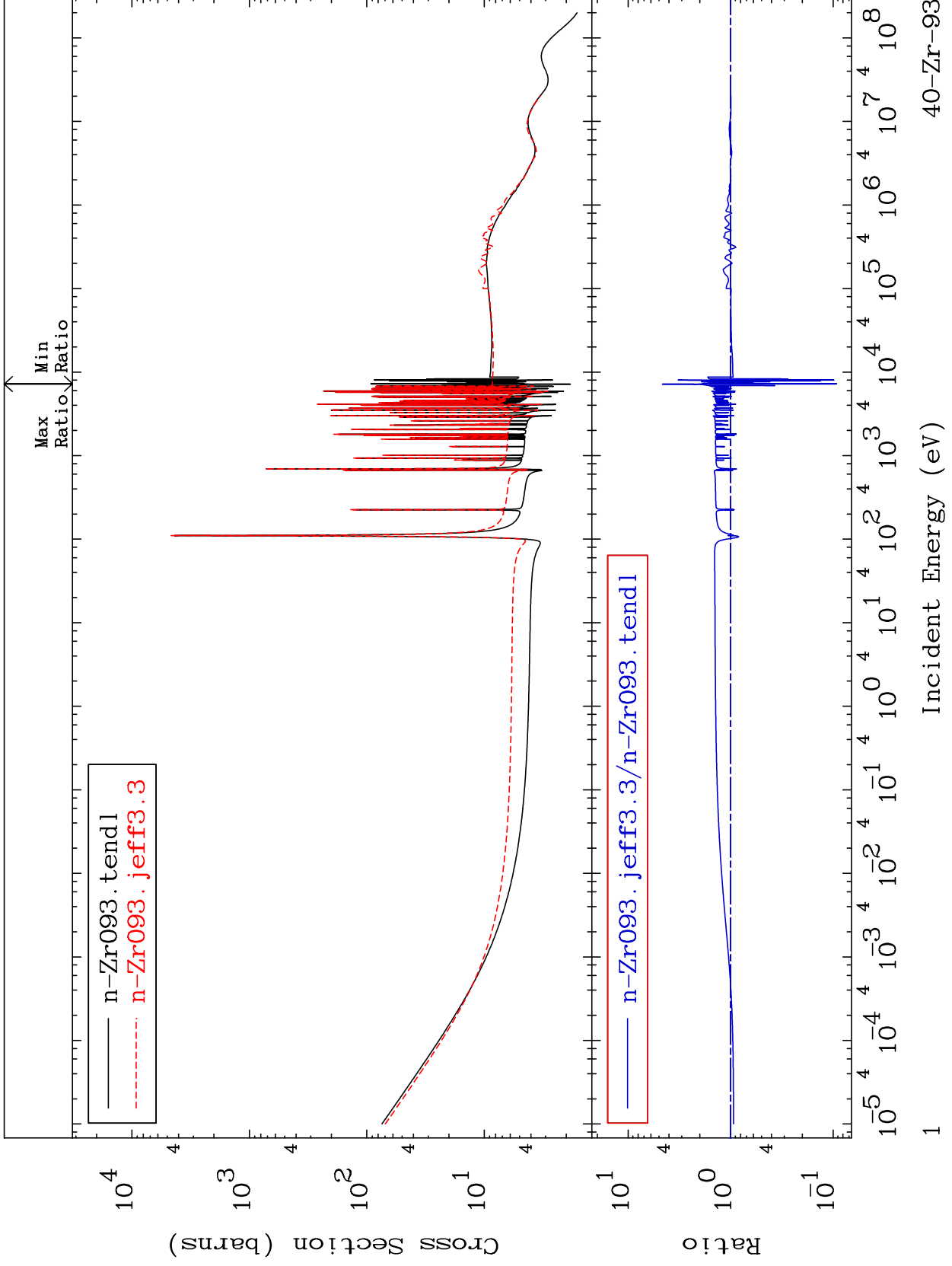


MAT 4034

Total  
Cross Section

40-Zr-93  
-90.77 To 363.8 %

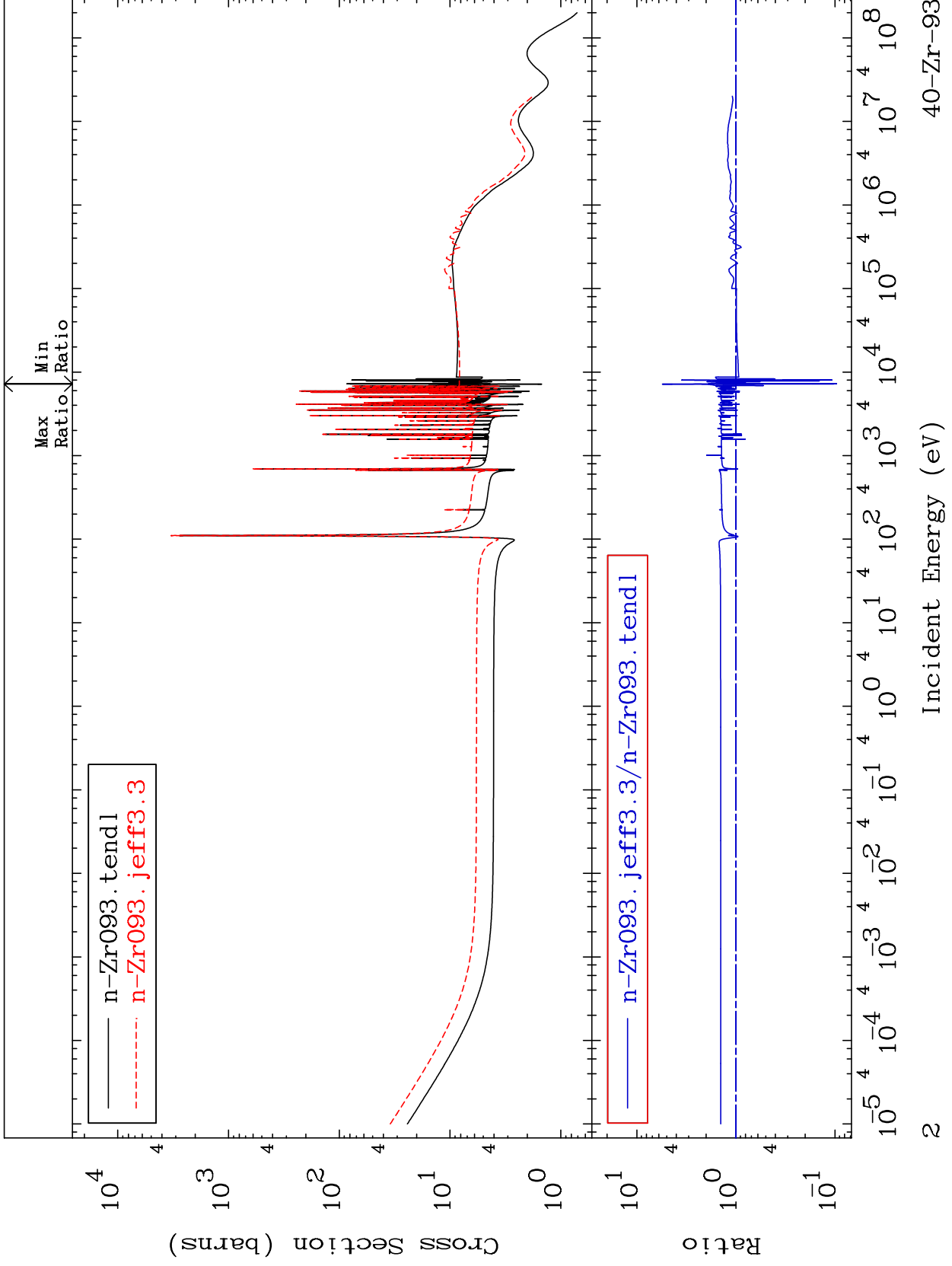


40-Zr-93

MAT 4034

Elastic  
Cross Section

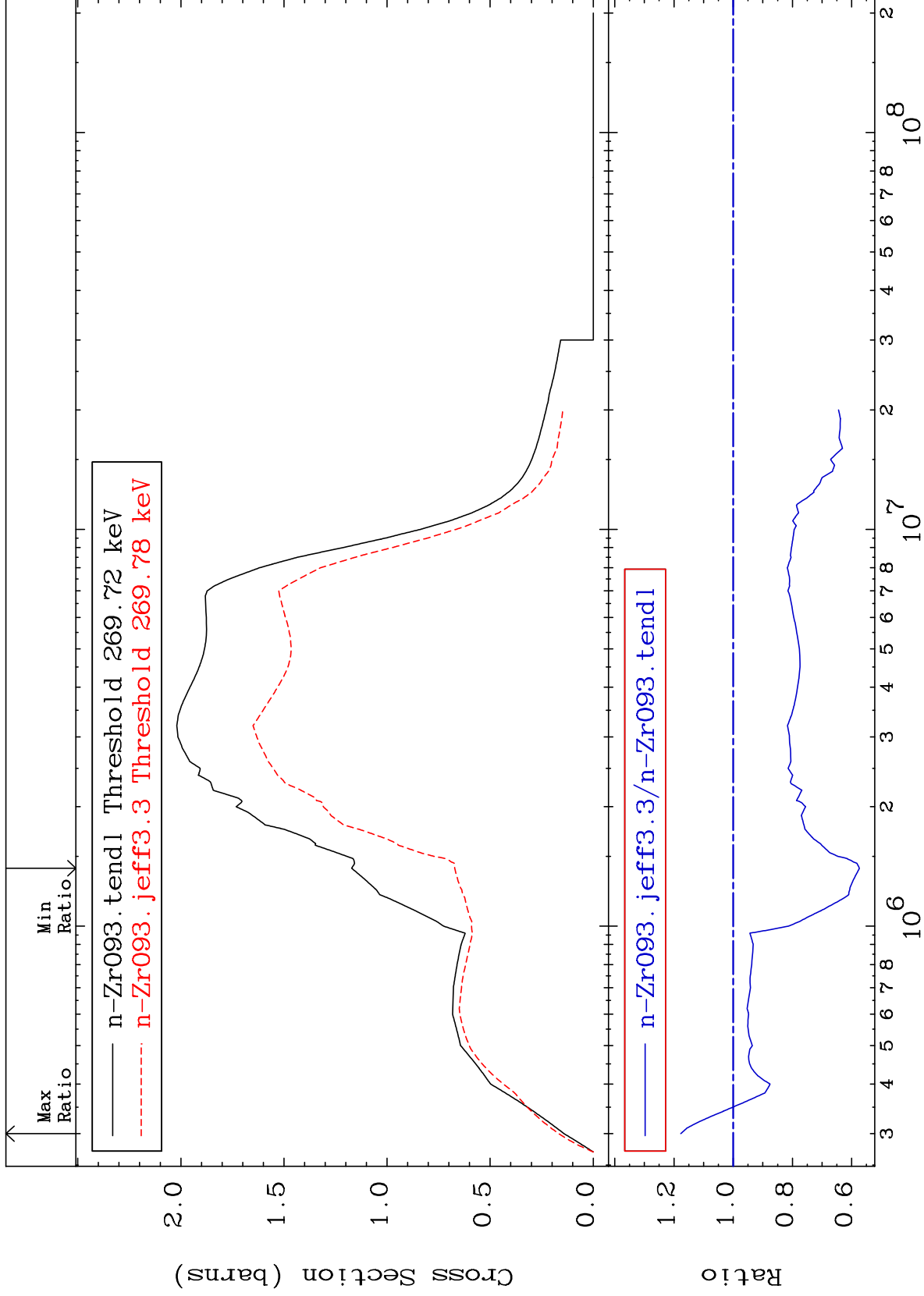
40-Zr-93  
-90.37 To 453.9 %



MAT 4034

Inelastic  
Cross Section

40-Zr-93  
-42.65 To 17.71 %



3

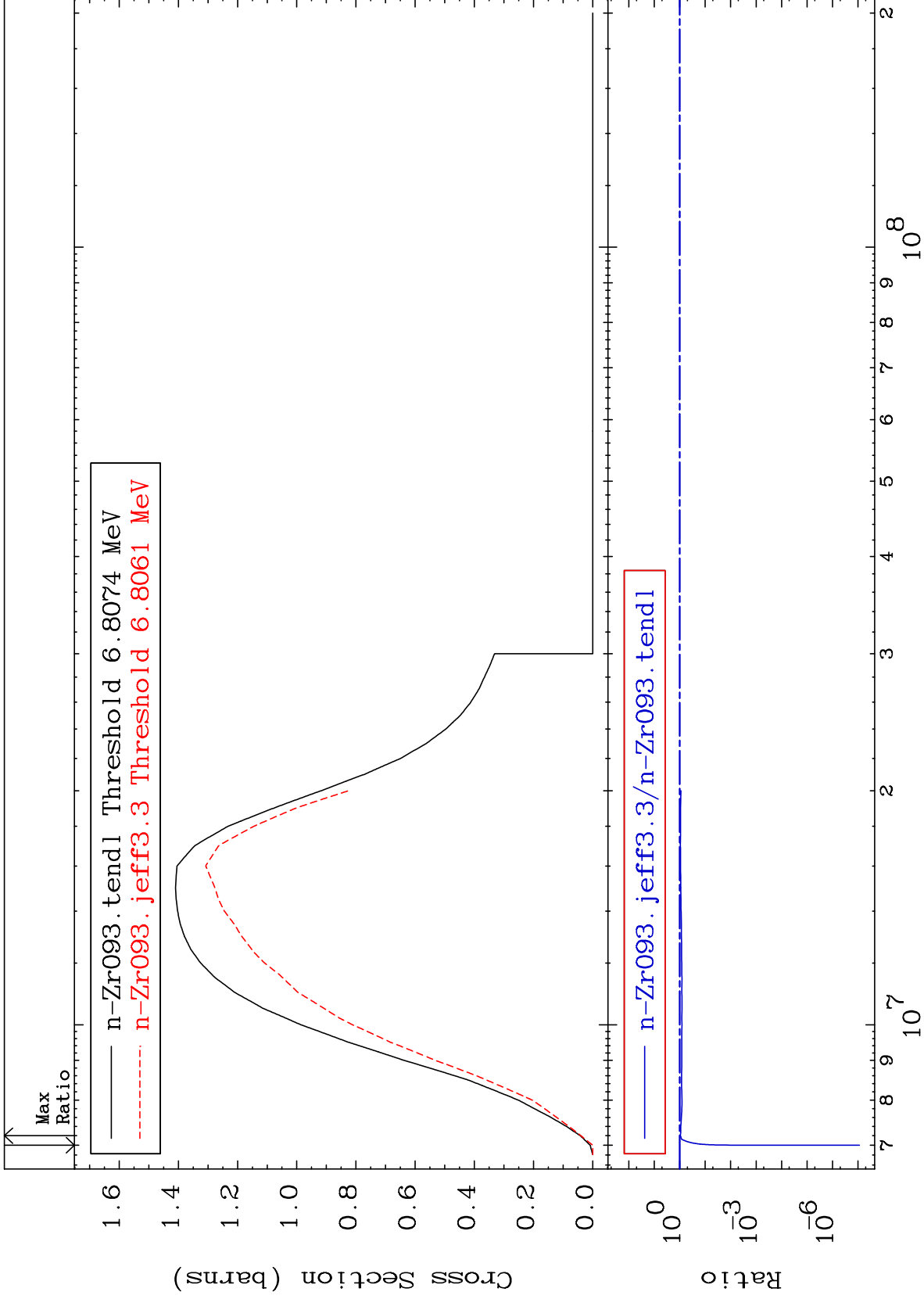
Incident Energy (eV)

40-Zr-93

MAT 4034

(n,2n)  
Cross Section

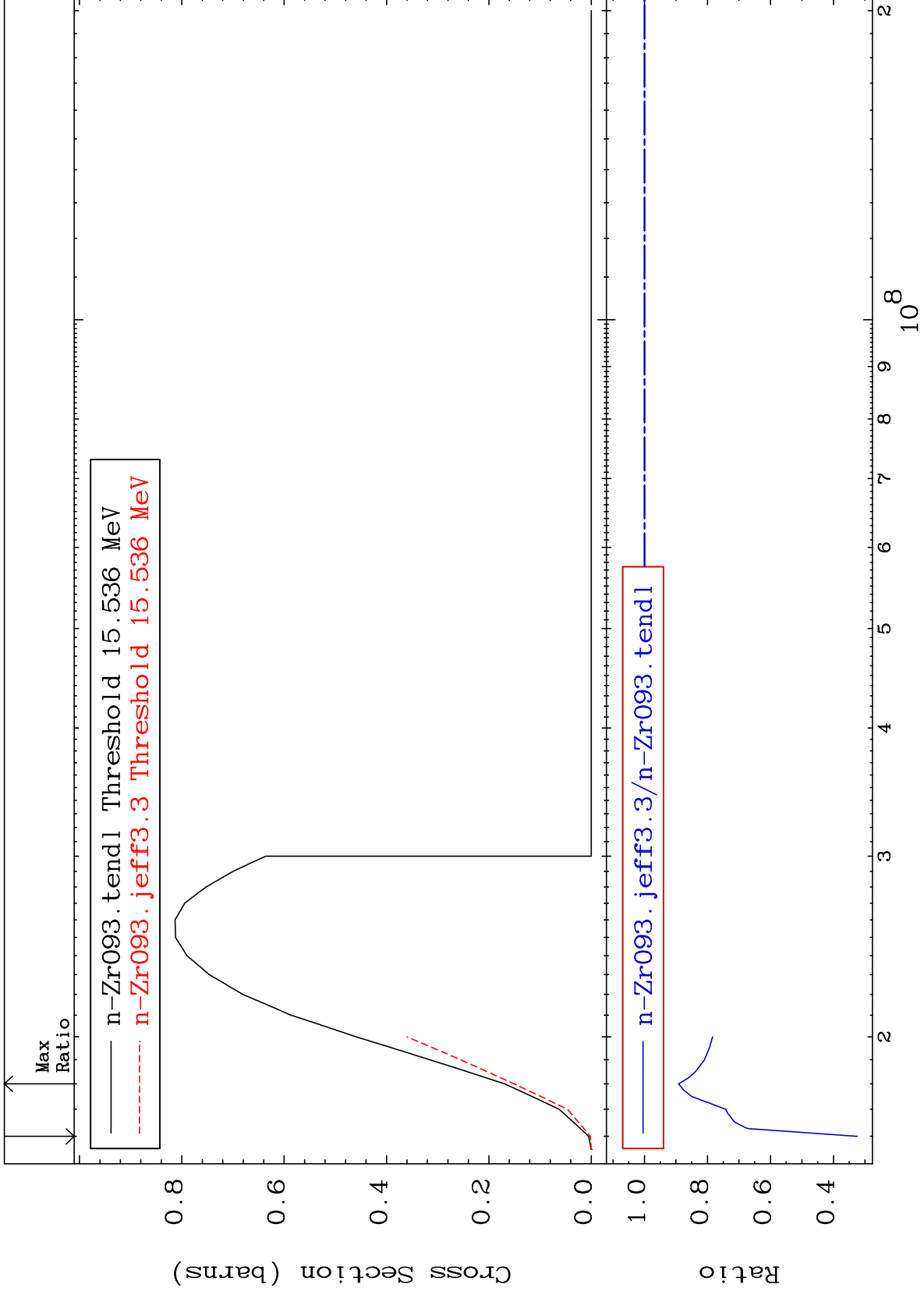
40-Zr-93  
-100.0 To -5.577%



MAT 4034

(n,3n)  
Cross Section

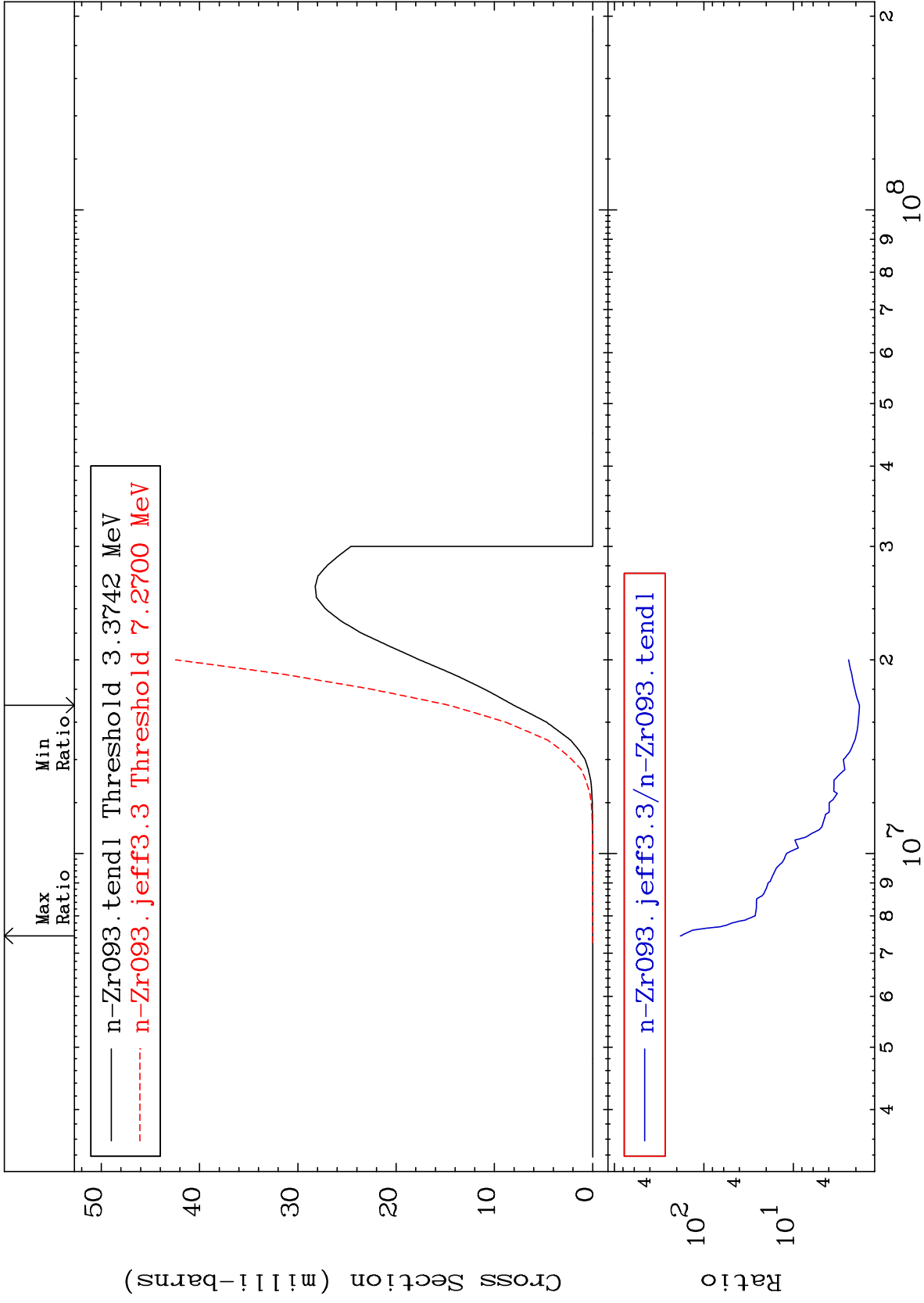
40-Zr-93  
-67.56 To -10.84%



MAT 4034

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

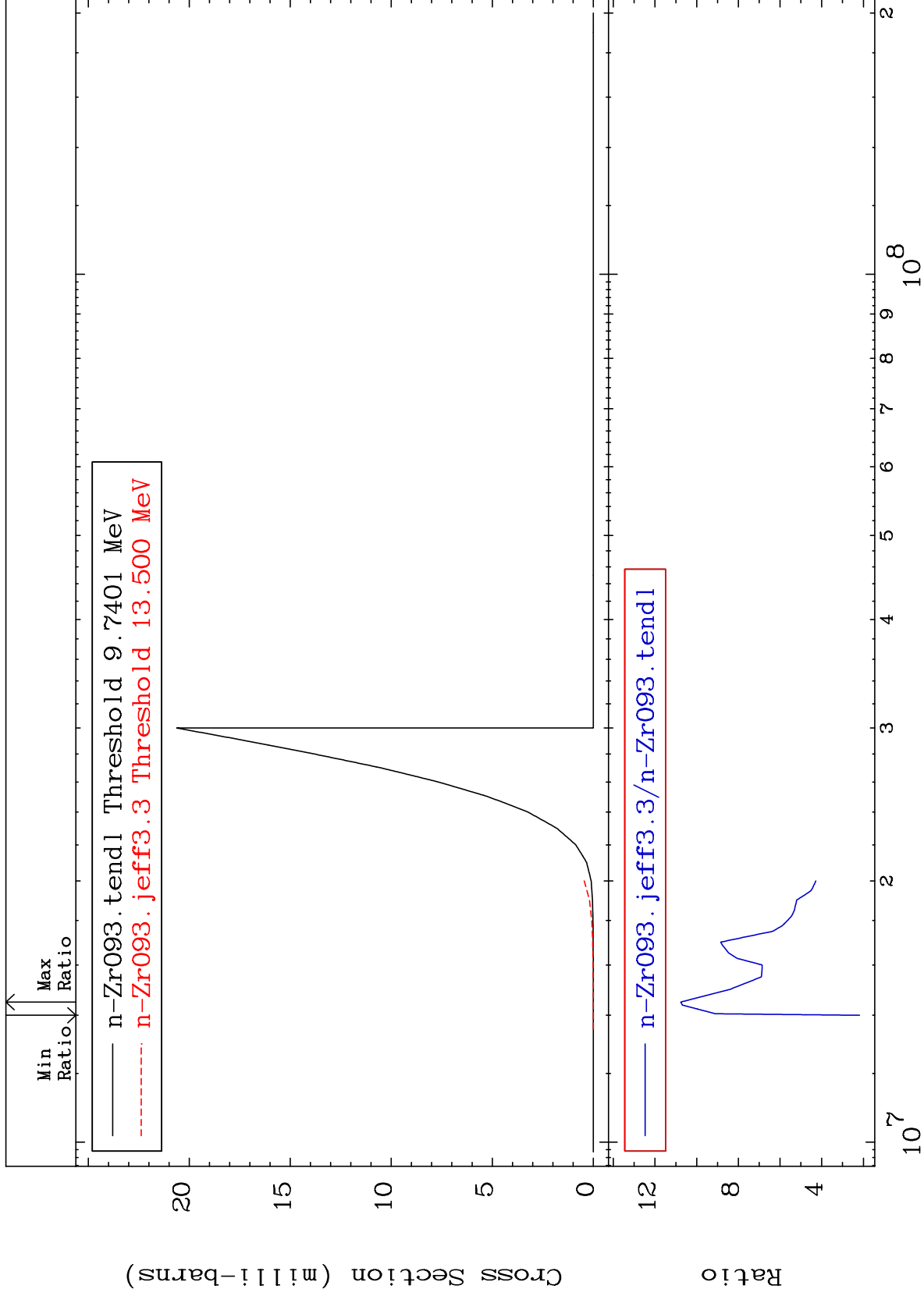
40-Zr-93  
82.06 To 9999. %



MAT 4034

(n,2n)  $\alpha$   
Cross Section

40-Zr-93  
118.5 To 976.3 %

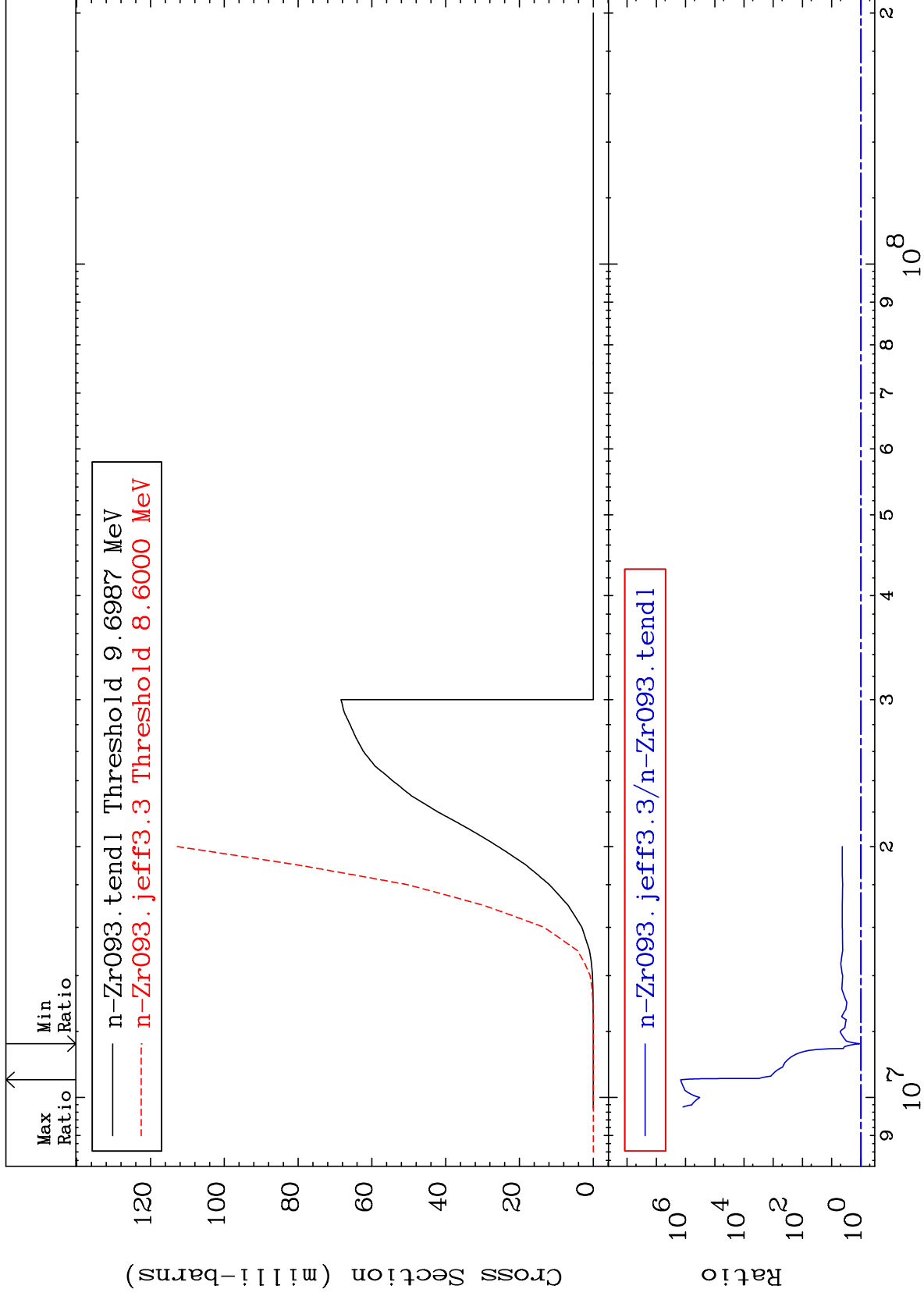


40-Zr-93

MAT 4034

(n,n') p  
Cross Section

40-Zr-93  
11.51 To 9999. %



8

Incident Energy (eV)

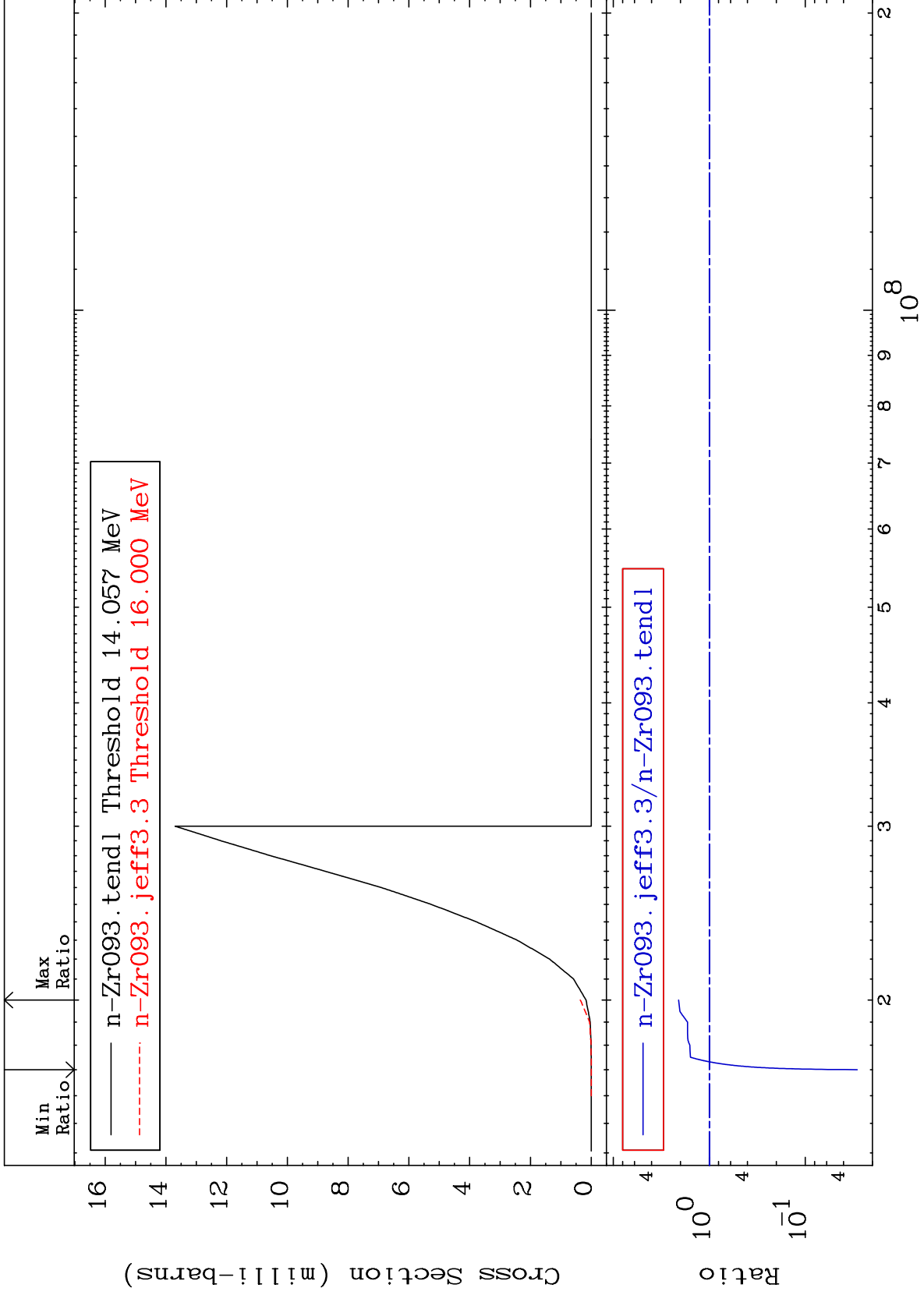
40-Zr-93



MAT 4034

(n,n') d  
Cross Section

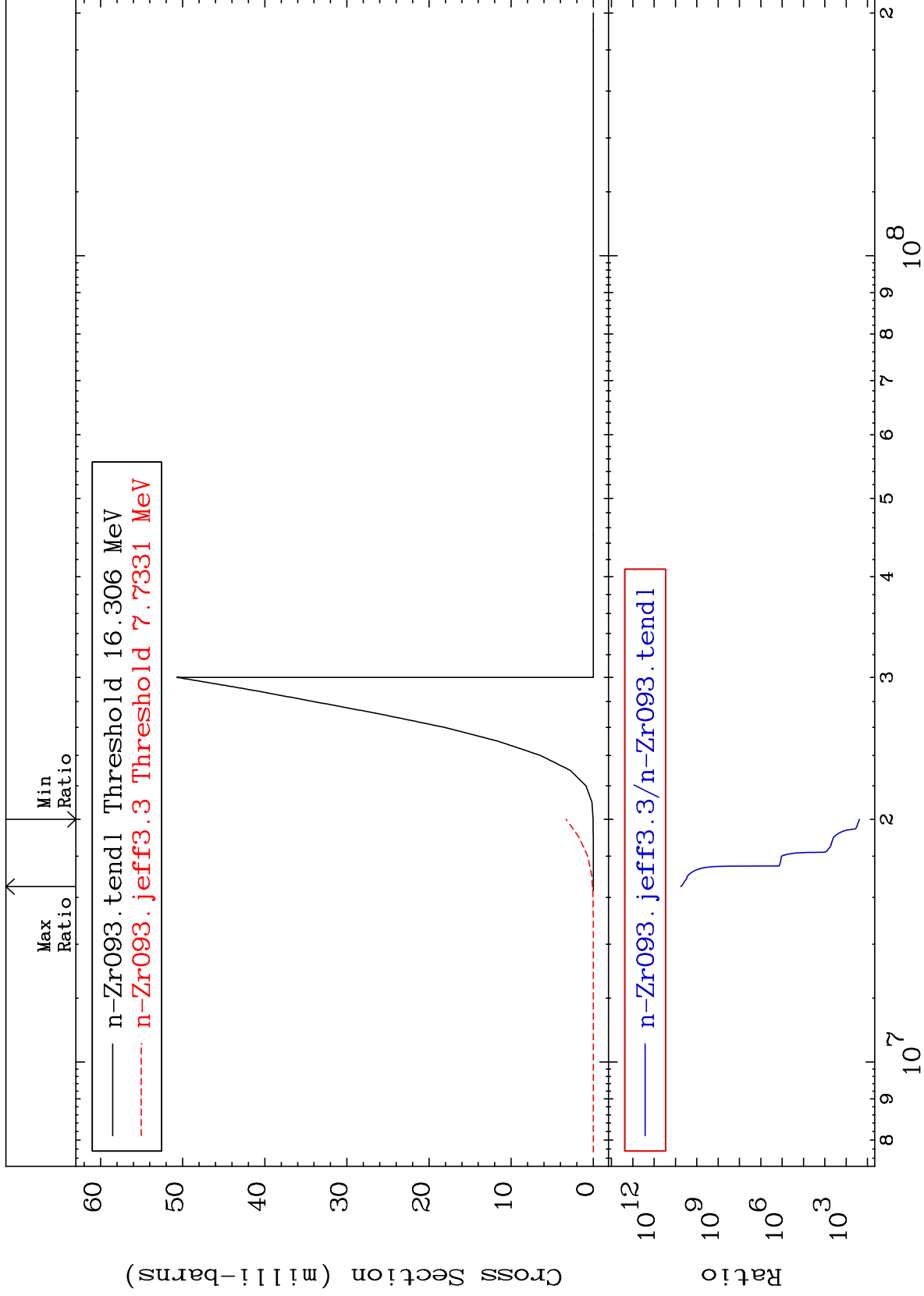
40-Zr-93  
-97.12 To 108.5 %



MAT 4034

(n,2n) p  
Cross Section

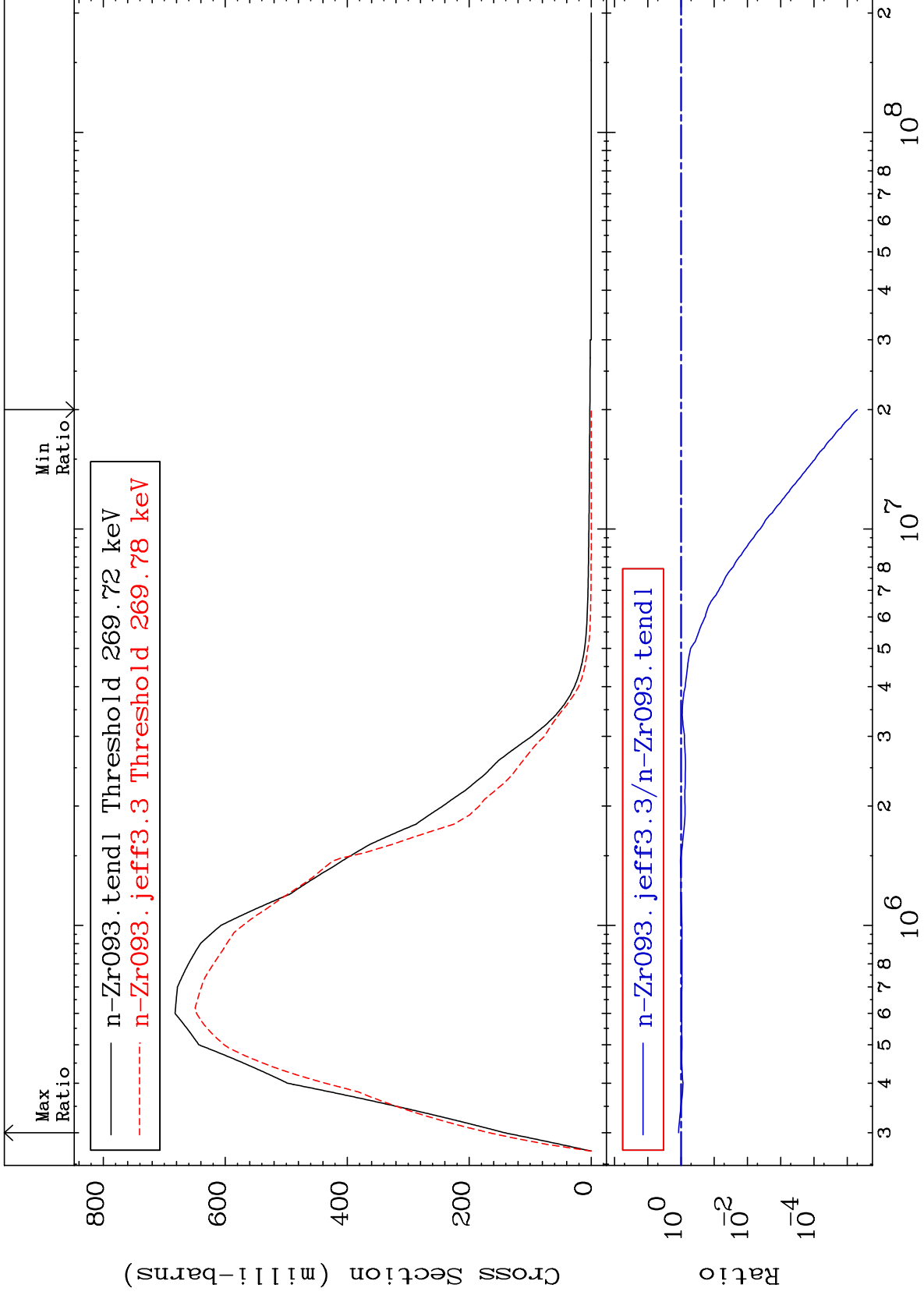
40-Zr-93  
9999. To 9999. %



MAT 4034

MT= 51 (n,n') Level  
Cross Section

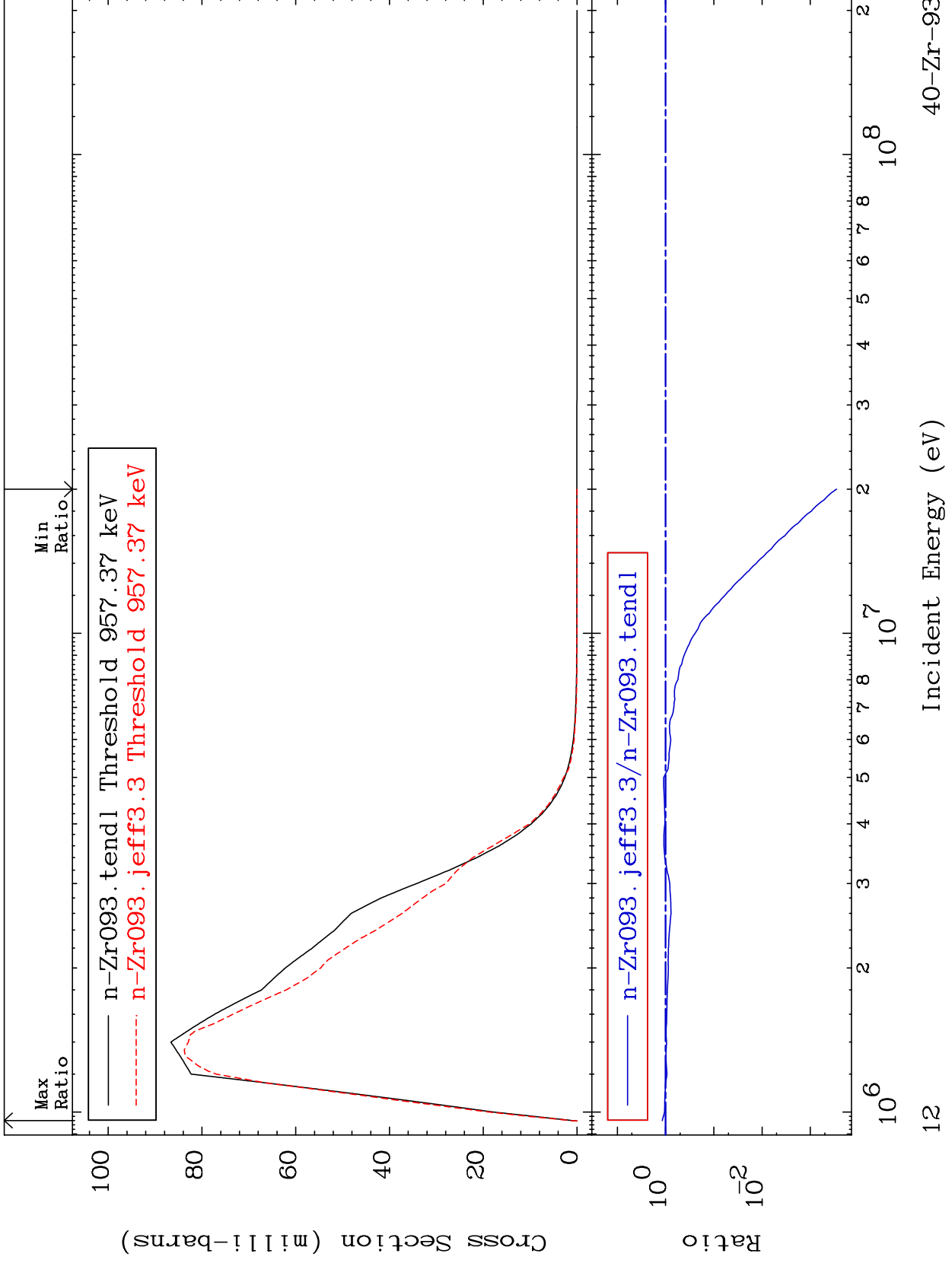
40-Zr-93  
-100.0 To 17.71 %



MAT 4034

MT= 52 (n, n') Level  
Cross Section

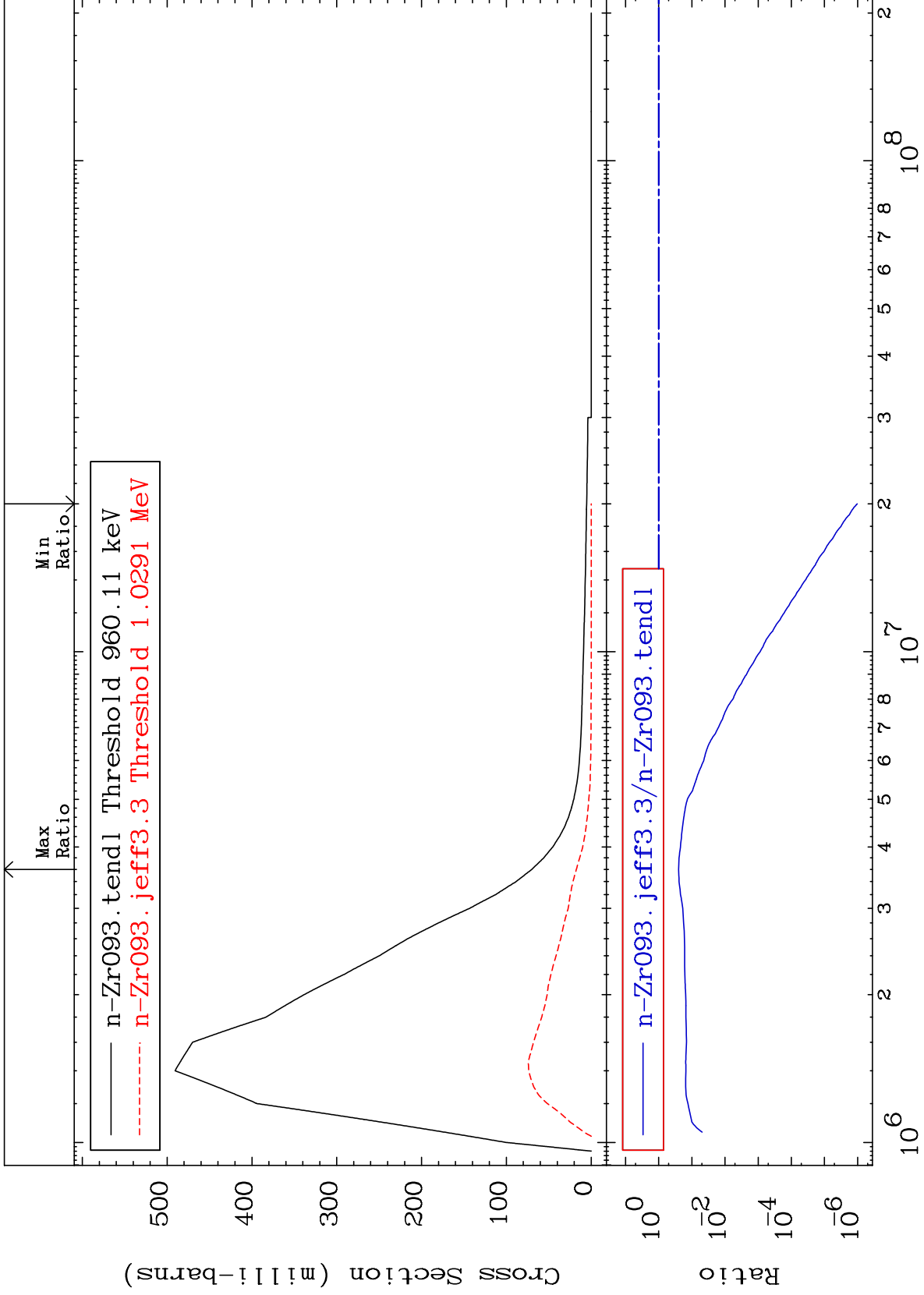
40-Zr-93  
-99.97 To 17.07 %



MAT 4034

MT= 53 (n, n') Level  
Cross Section

40-Zr-93  
-100.0 To -74.99%



13

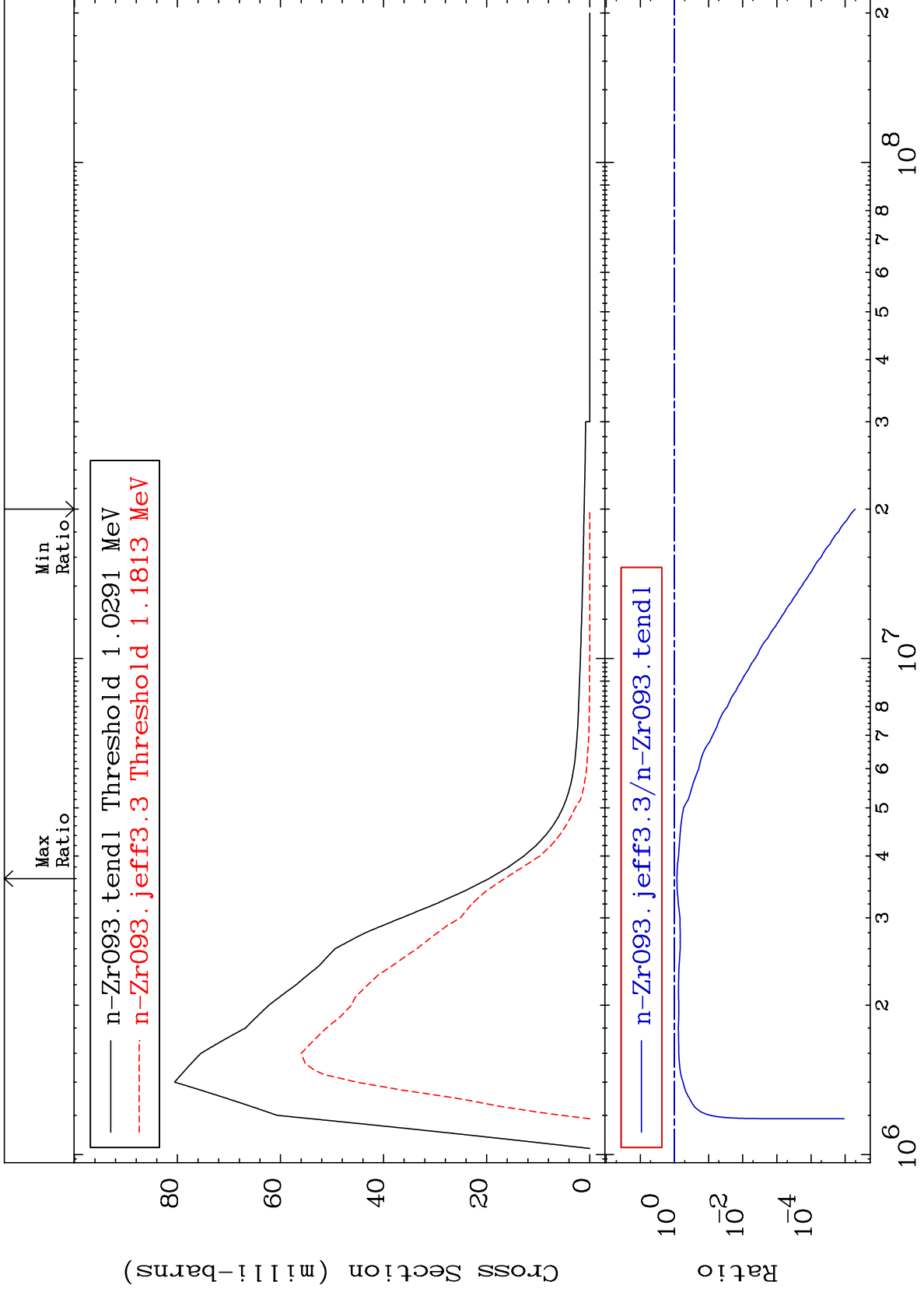
Incident Energy (eV)

40-Zr-93

MAT 4034

MT= 54 (n, n') Level  
Cross Section

40-Zr-93  
-100.0 To -15.53%



14

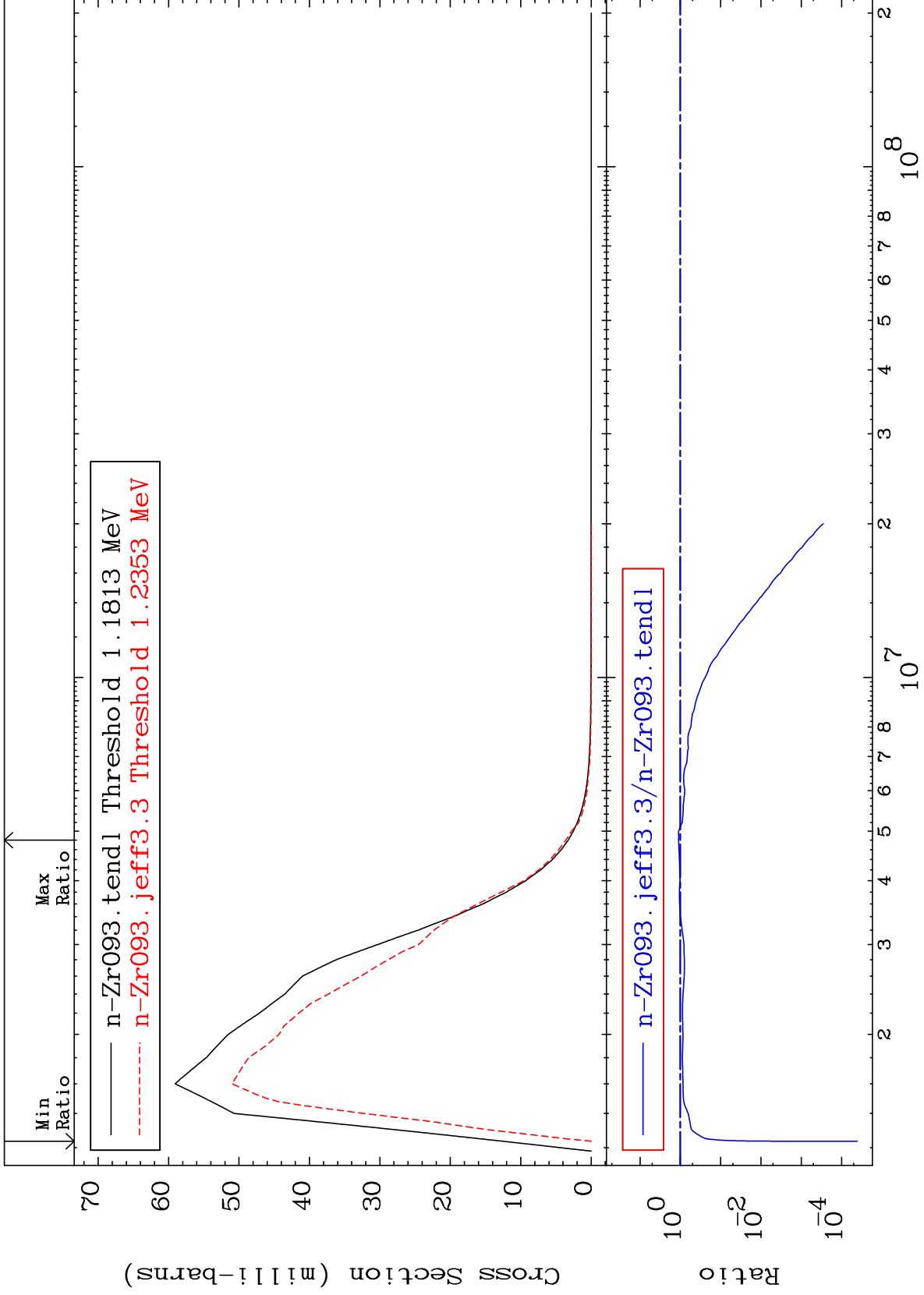
Incident Energy (eV)

40-Zr-93

MAT 4034

MT= 55 (n,n') Level  
Cross Section

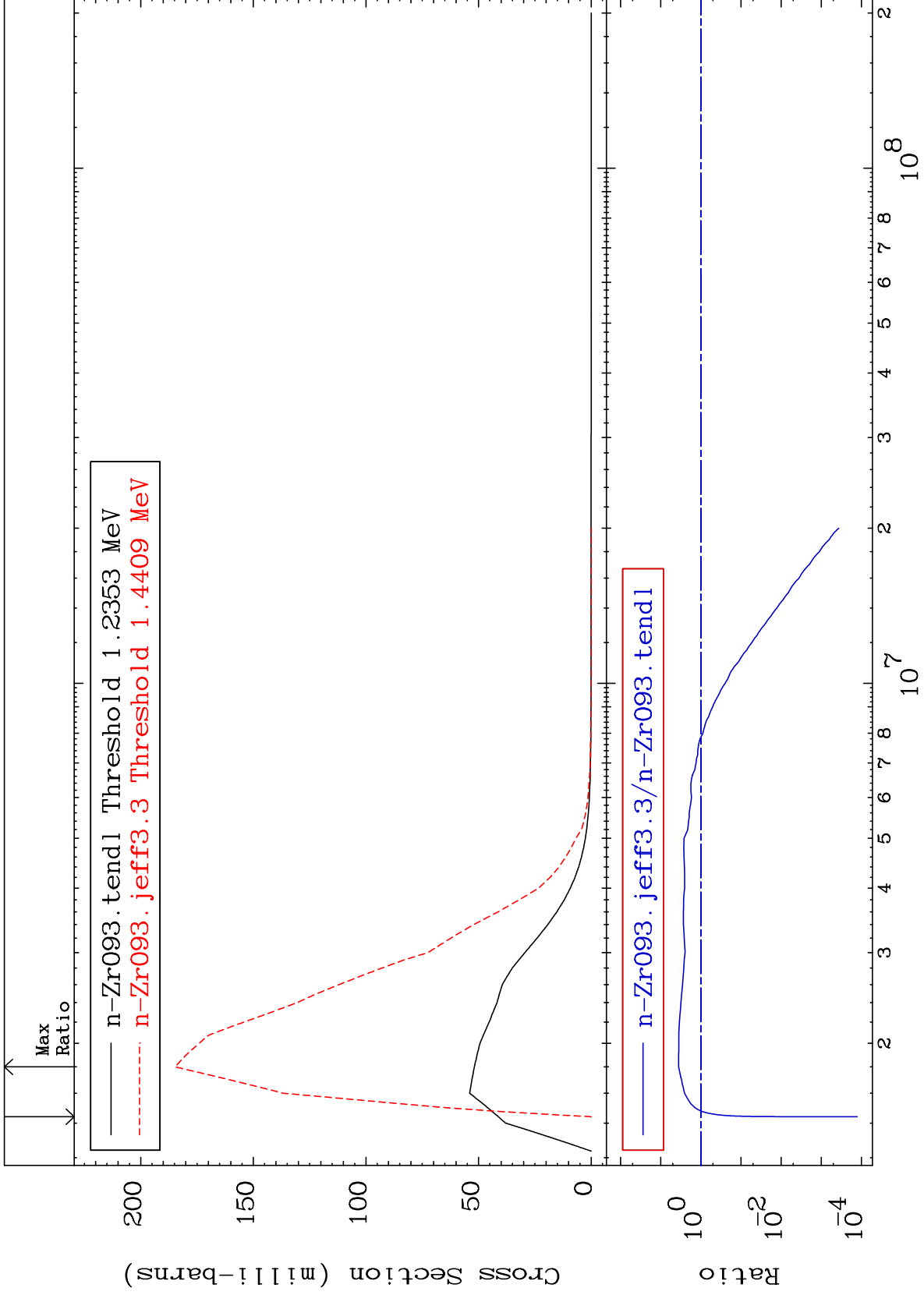
40-Zr-93  
-100.0 To 10.28 %



MAT 4034

MT= 56 (n,n') Level  
Cross Section

40-Zr-93  
-99.99 To 256.2 %

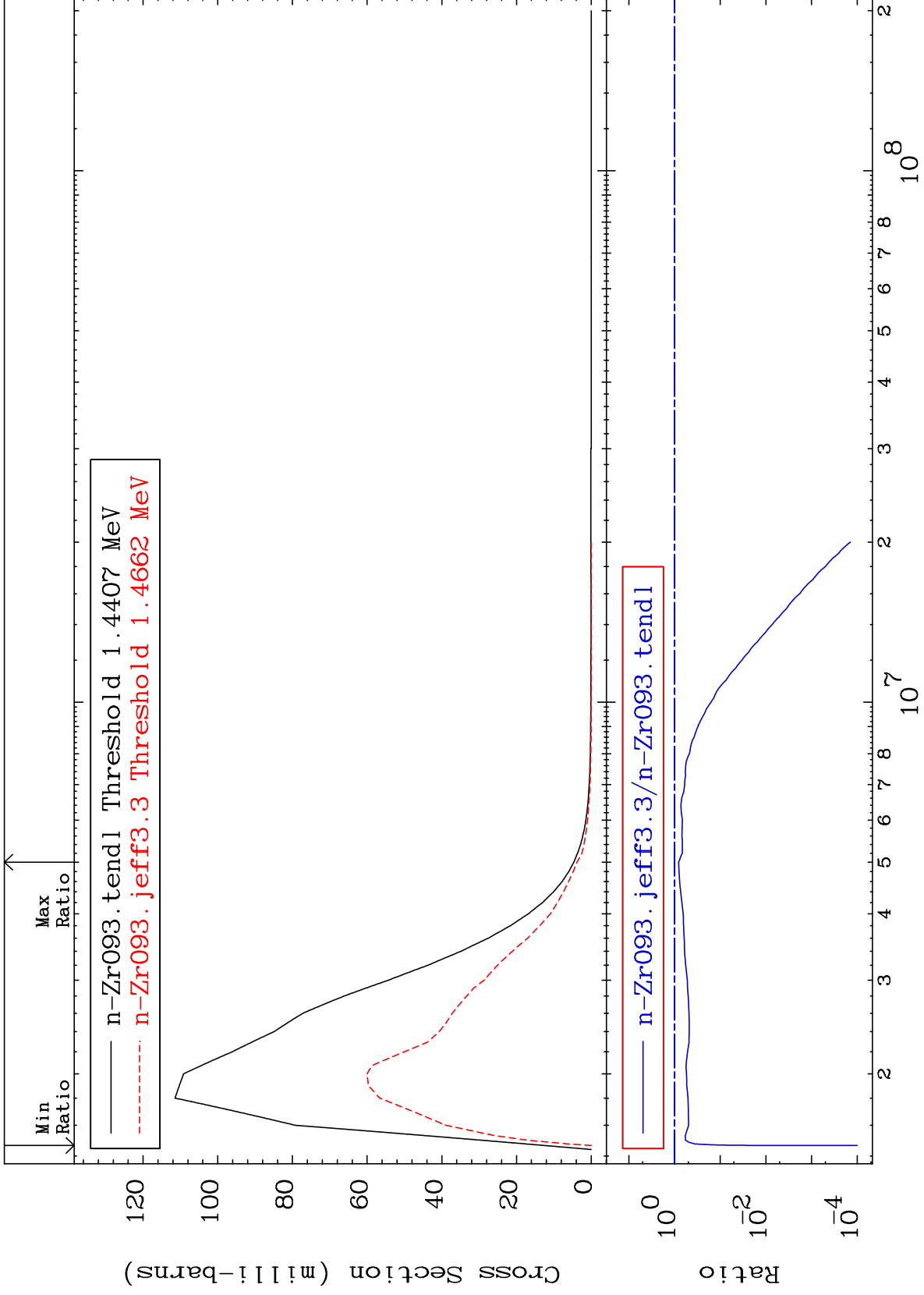




MAT 4034

MT= 57 (n,n') Level  
Cross Section

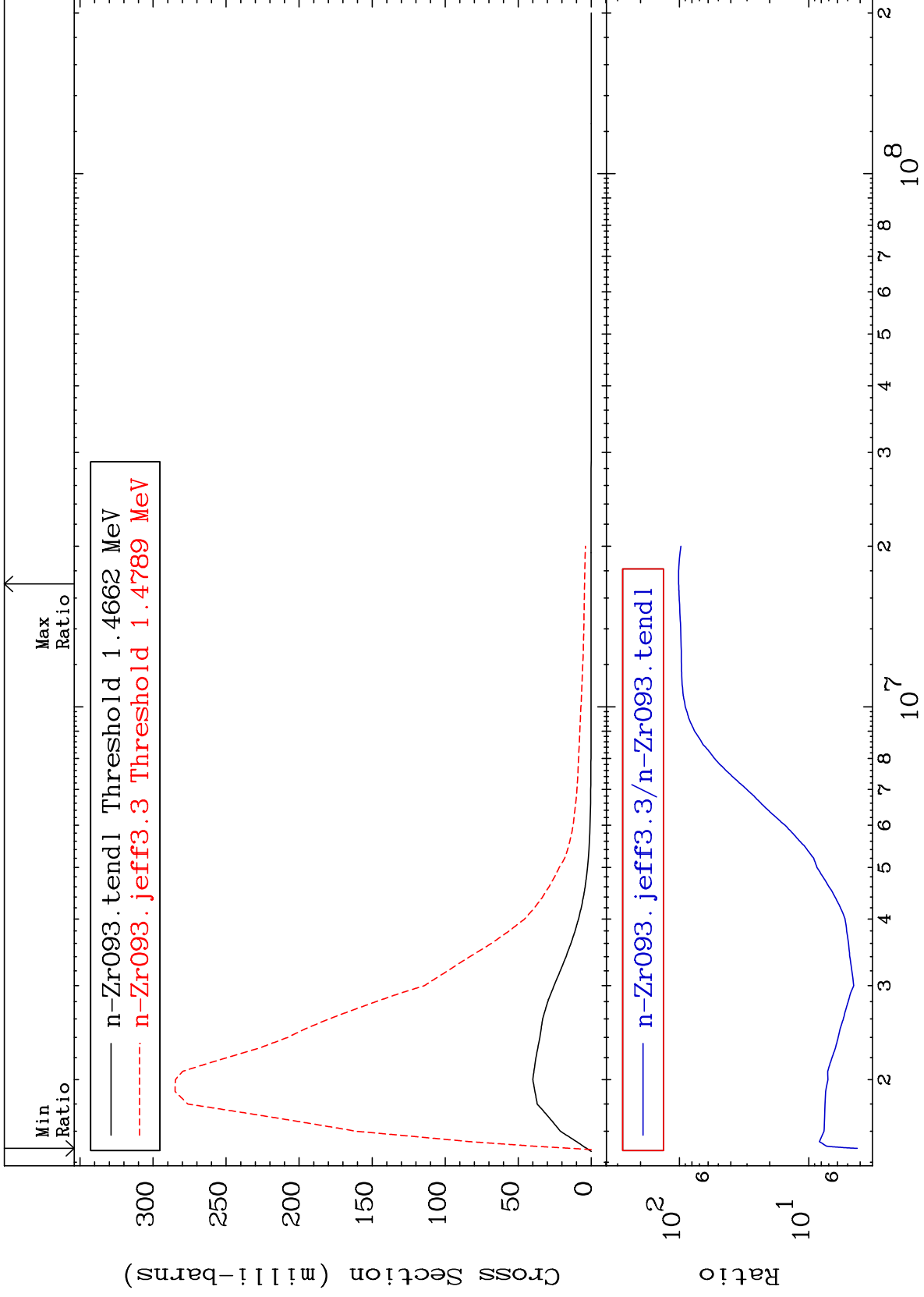
40-Zr-93  
-99.99 To -18.48%



MAT 4034

MT= 58 (n, n') Level  
Cross Section

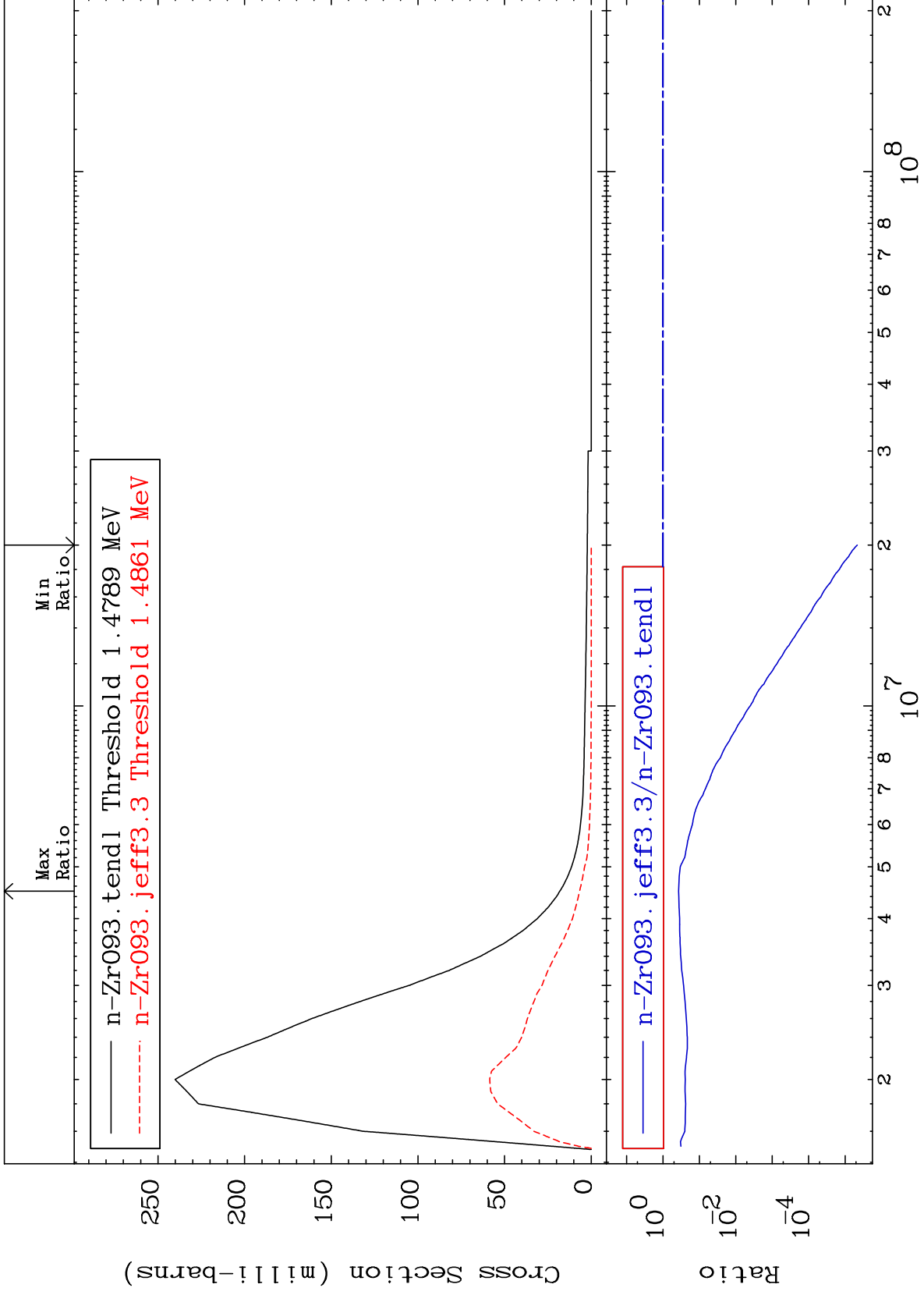
40-Zr-93  
321.3 To 9999. %



MAT 4034

MT= 59 (n, n') Level  
Cross Section

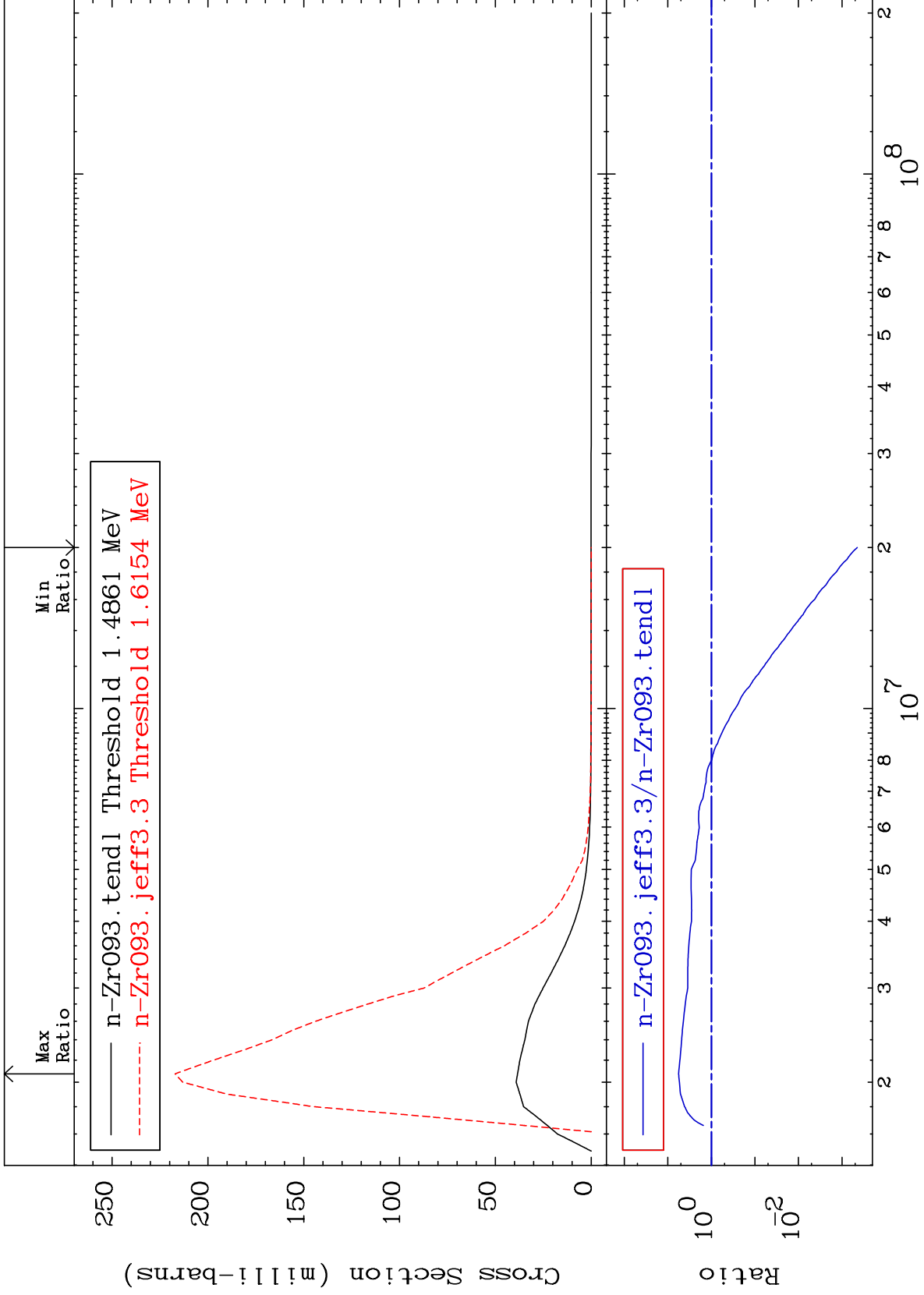
40-Zr-93  
-100.0 To -62.89%



MAT 4034

MT= 60 (n,n') Level  
Cross Section

40-Zr-93  
-99.96 To 465.0 %



20

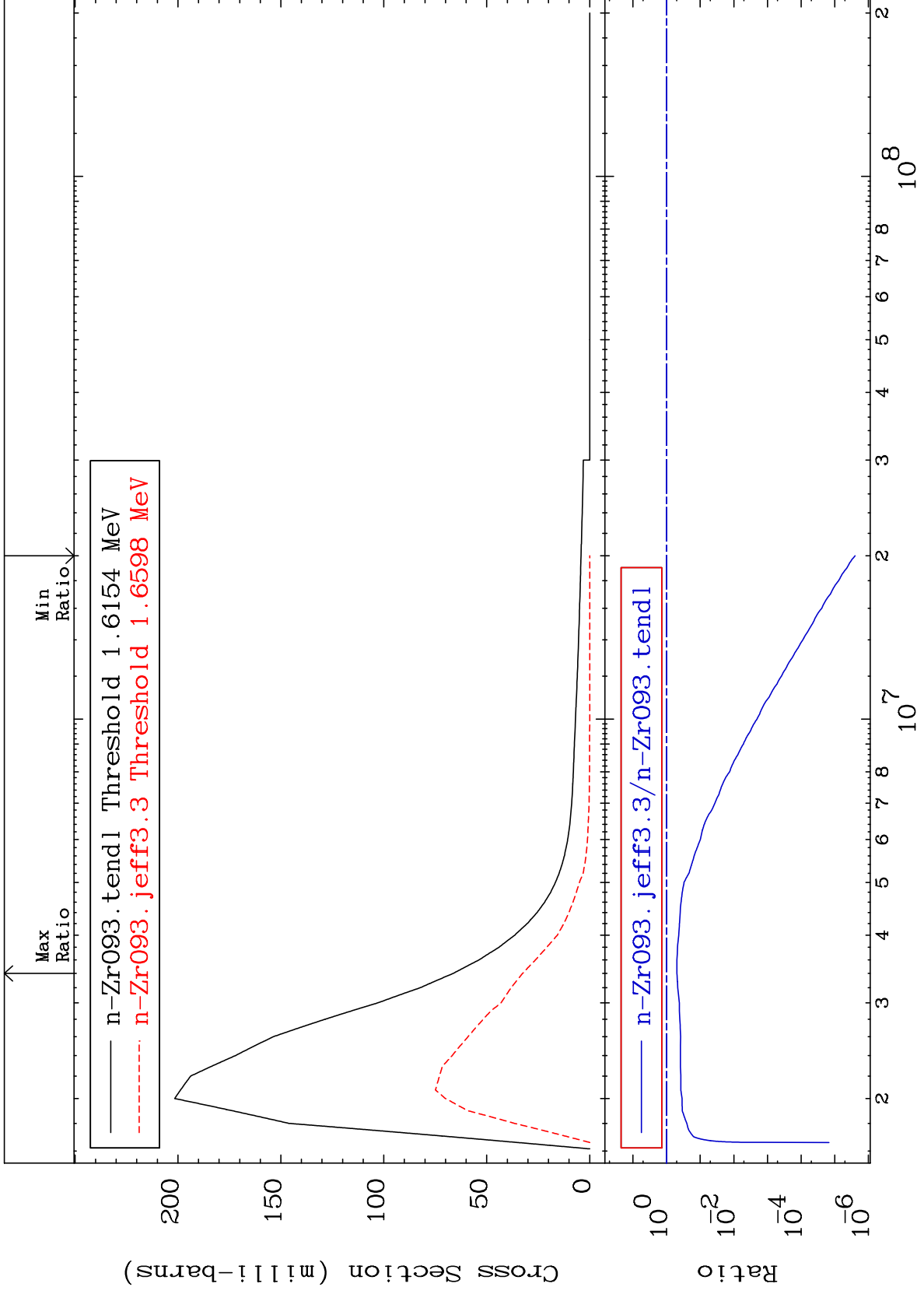
Incident Energy (eV)

40-Zr-93

MAT 4034

MT= 61 (n,n') Level  
Cross Section

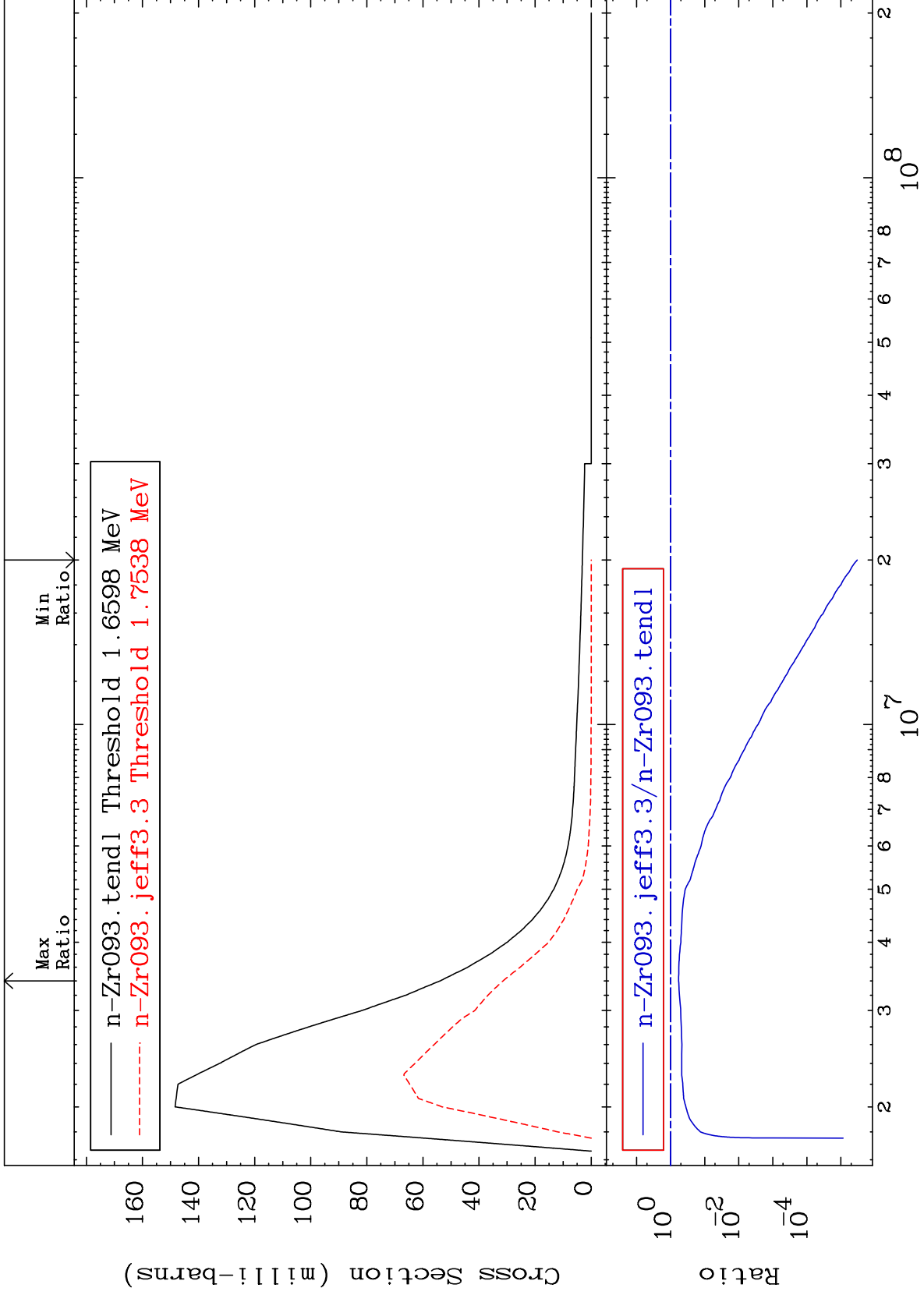
40-Zr-93  
-100.0 To -50.83%



MAT 4034

MT= 62 (n,n') Level  
Cross Section

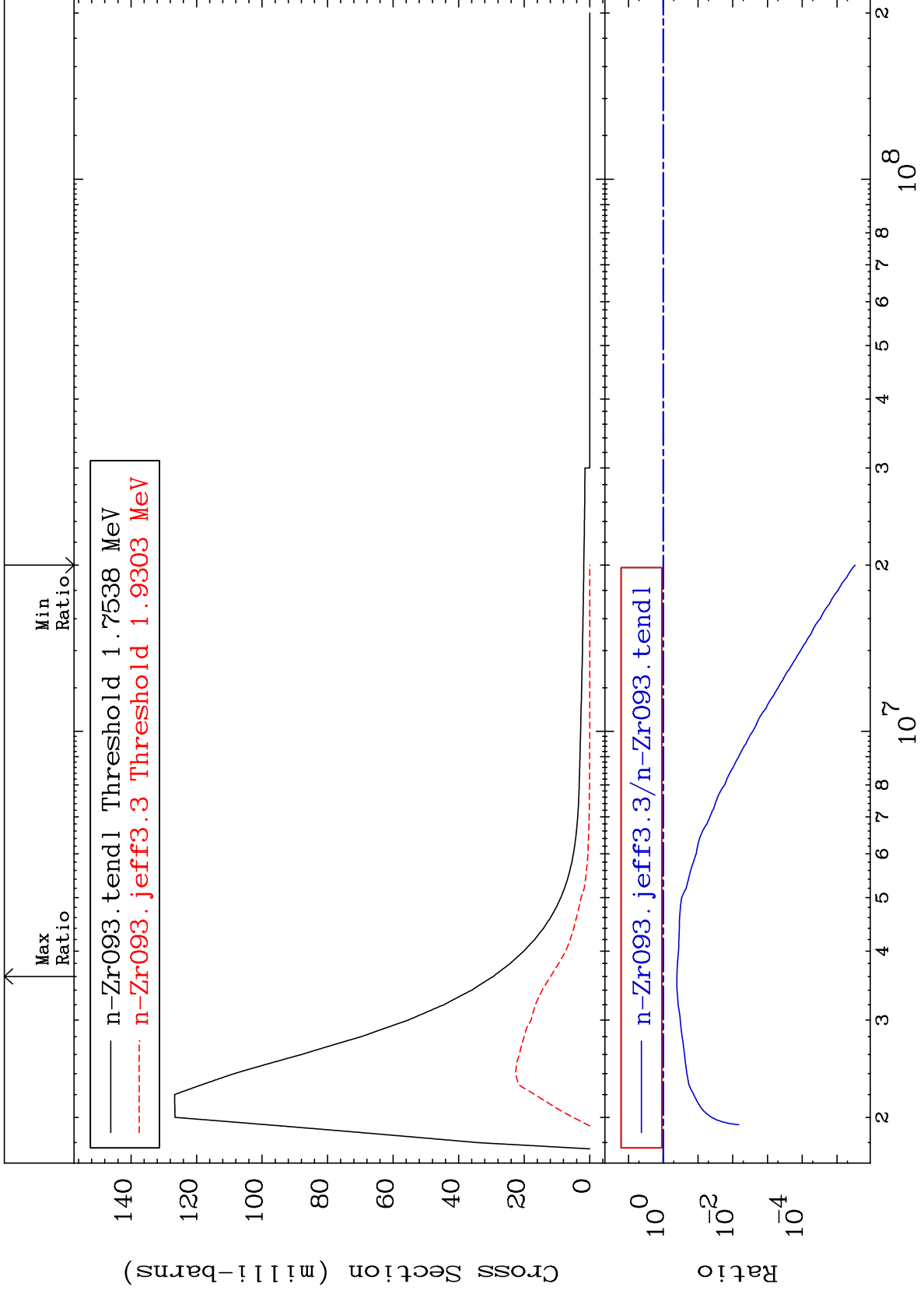
40-Zr-93  
-100.0 To -41.58%



MAT 4034

MT= 63 (n, n') Level  
Cross Section

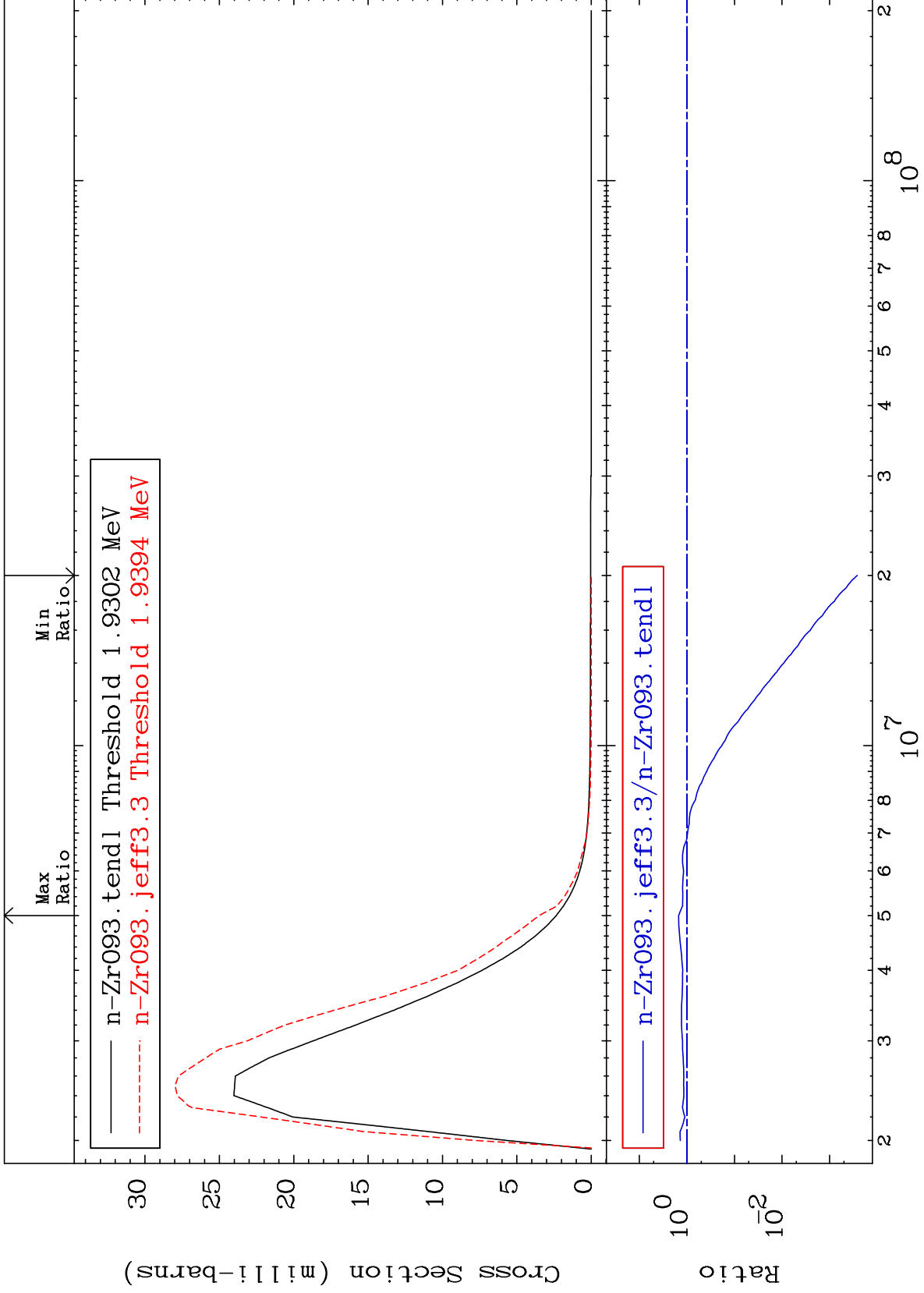
40-Zr-93  
-100.0 To -59.56%



MAT 4034

MT= 64 (n,n') Level  
Cross Section

40-Zr-93  
-99.97 To 48.98 %



24

Incident Energy (eV)

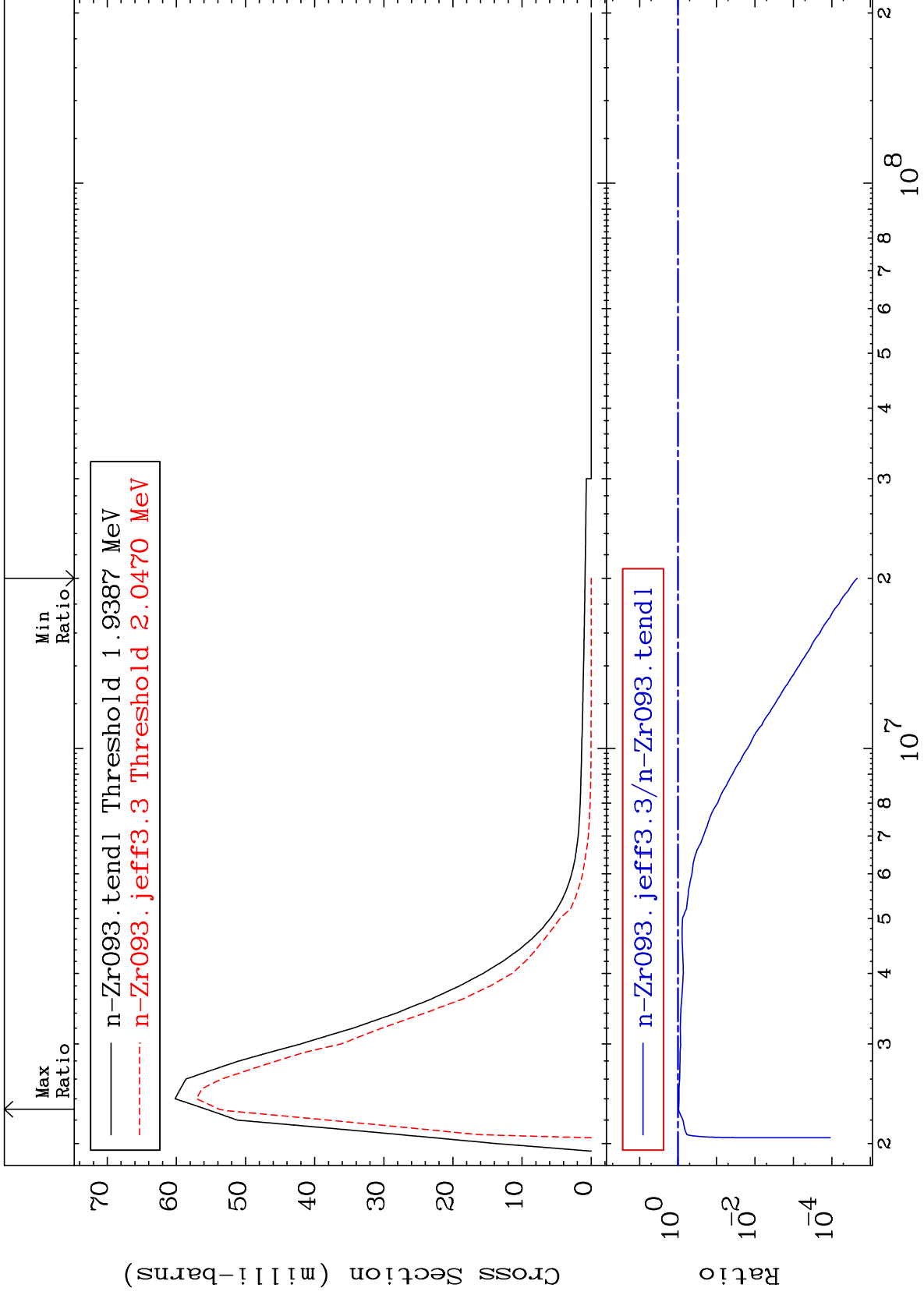
40-Zr-93



MAT 4034

MT= 65 (n,n') Level  
Cross Section

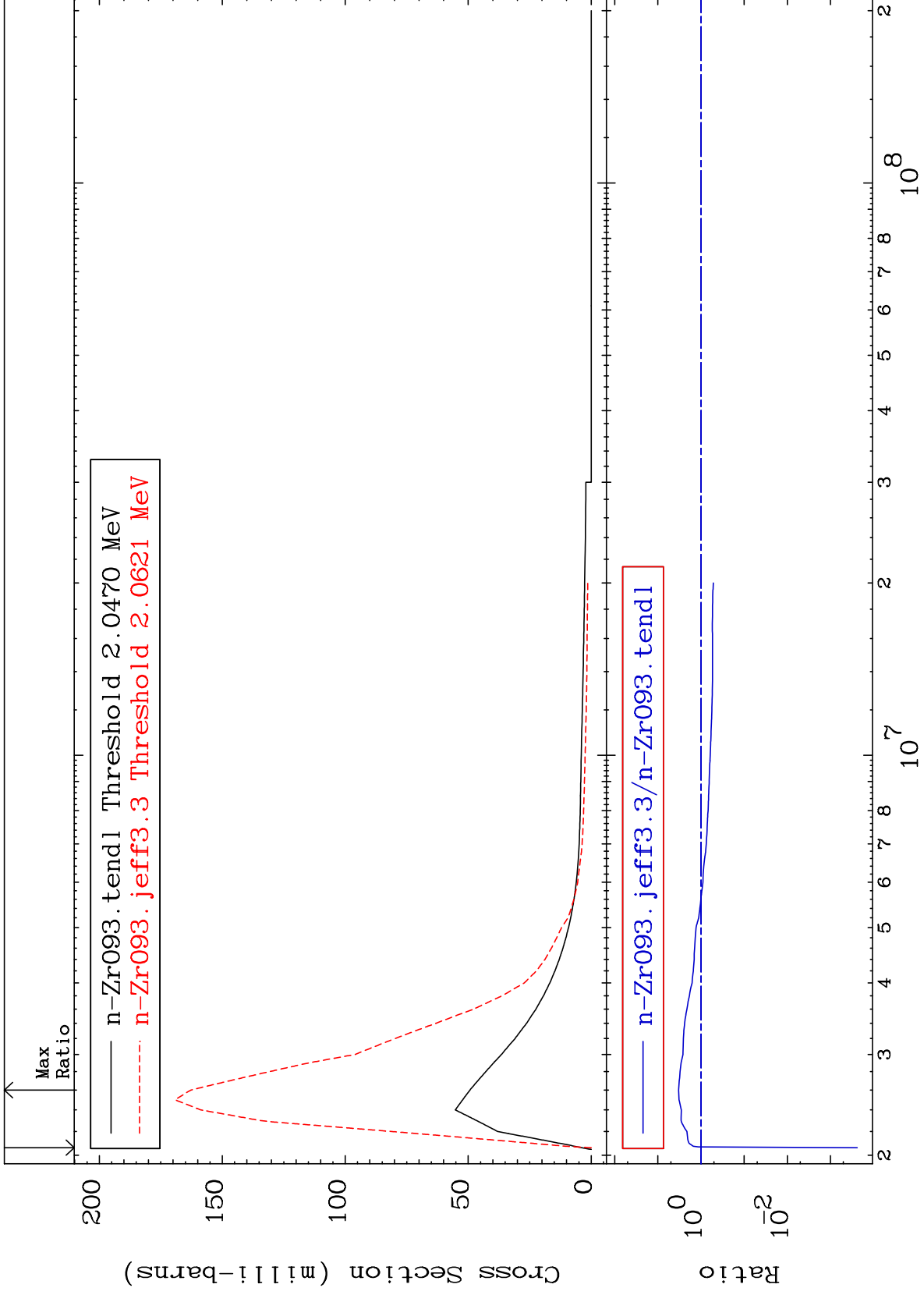
40-Zr-93  
-100.0 To -3.355%



MAT 4034

MT= 66 (n,n') Level  
Cross Section

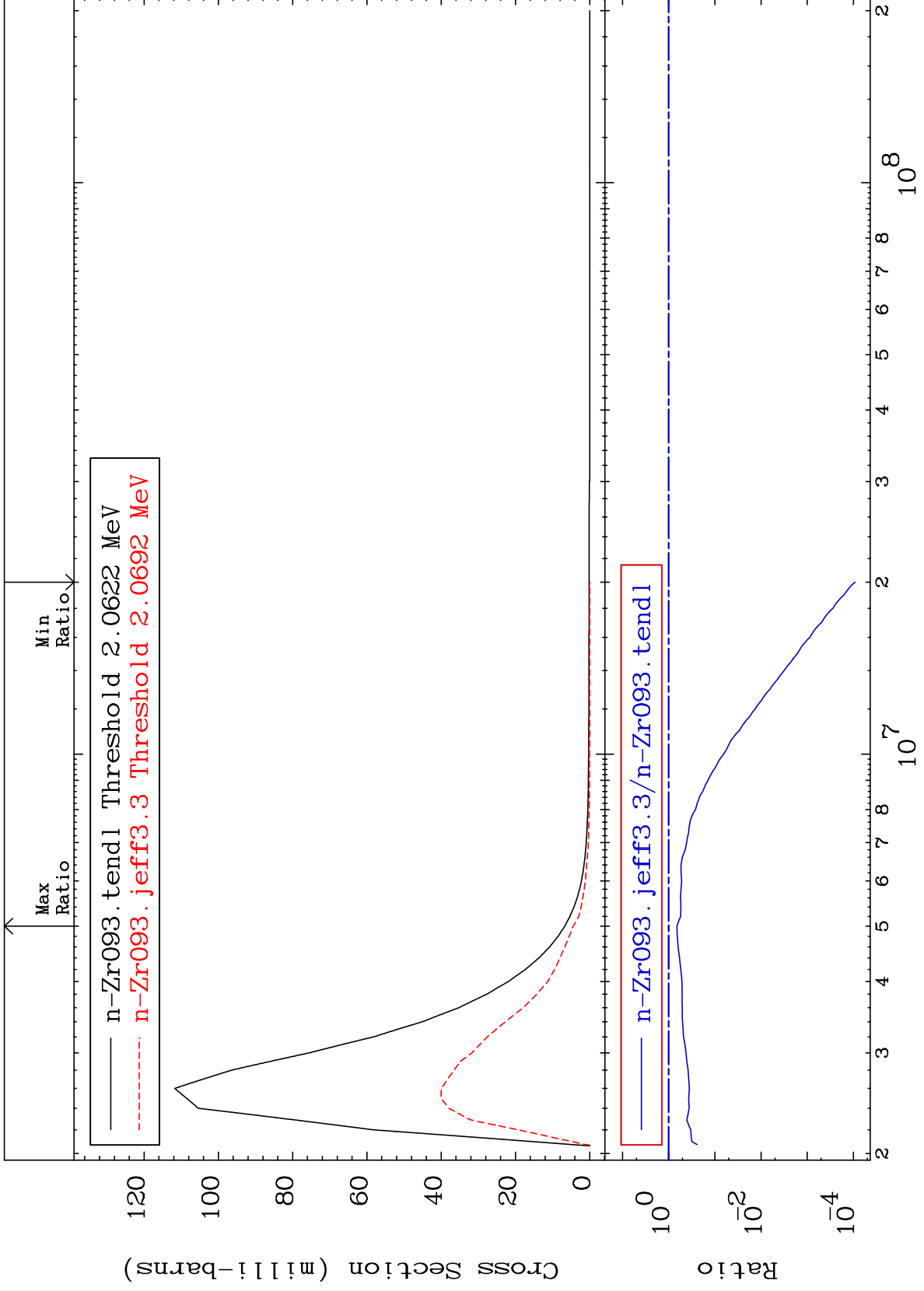
40-Zr-93  
-99.98 To 230.2 %



MAT 4034

MT= 67 (n, n') Level  
Cross Section

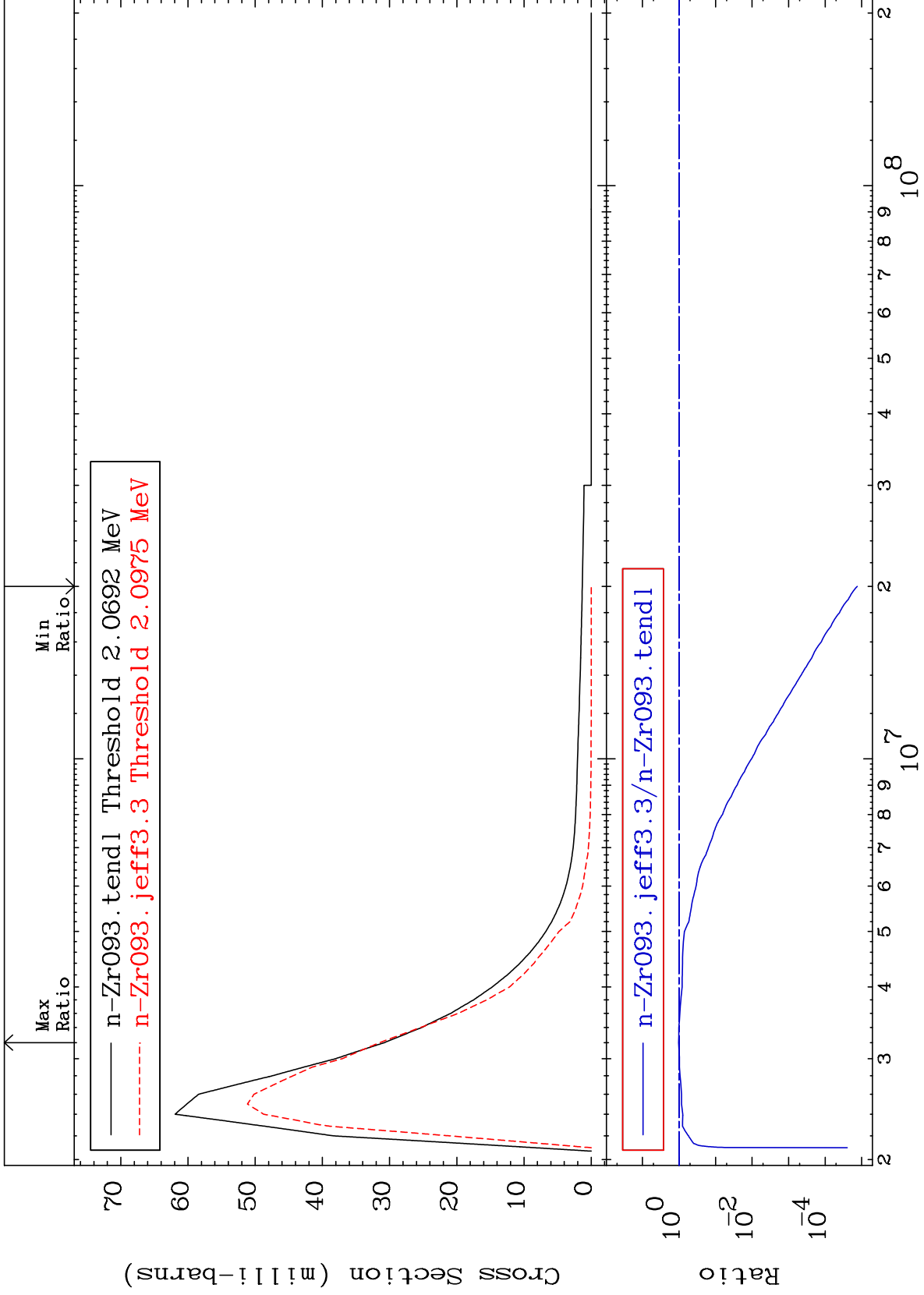
40-Zr-93  
-99.99 To -33.86%



MAT 4034

MT= 68 (n,n') Level  
Cross Section

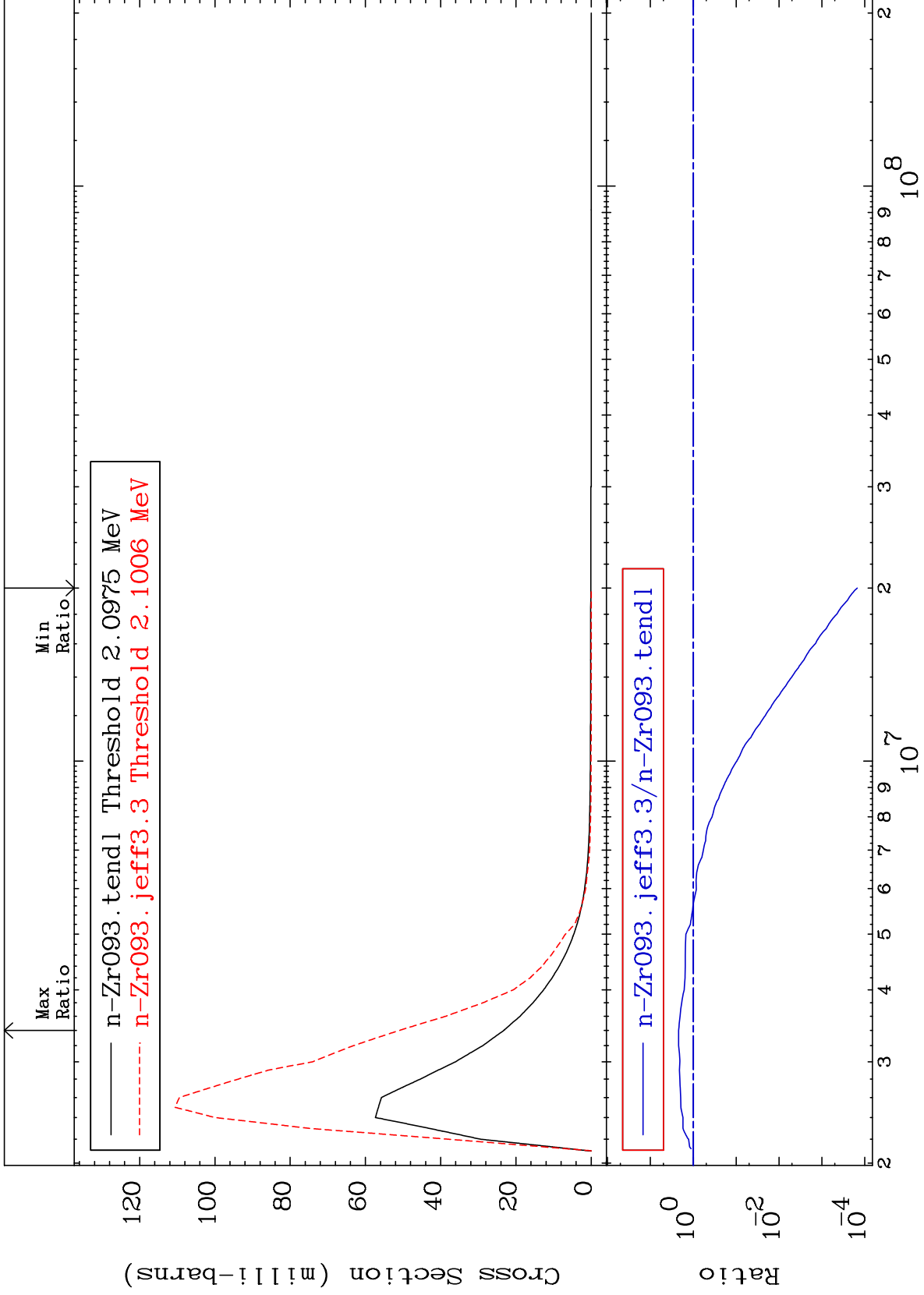
40-Zr-93  
-100.0 To 2.380 %



MAT 4034

MT= 69 (n,n') Level  
Cross Section

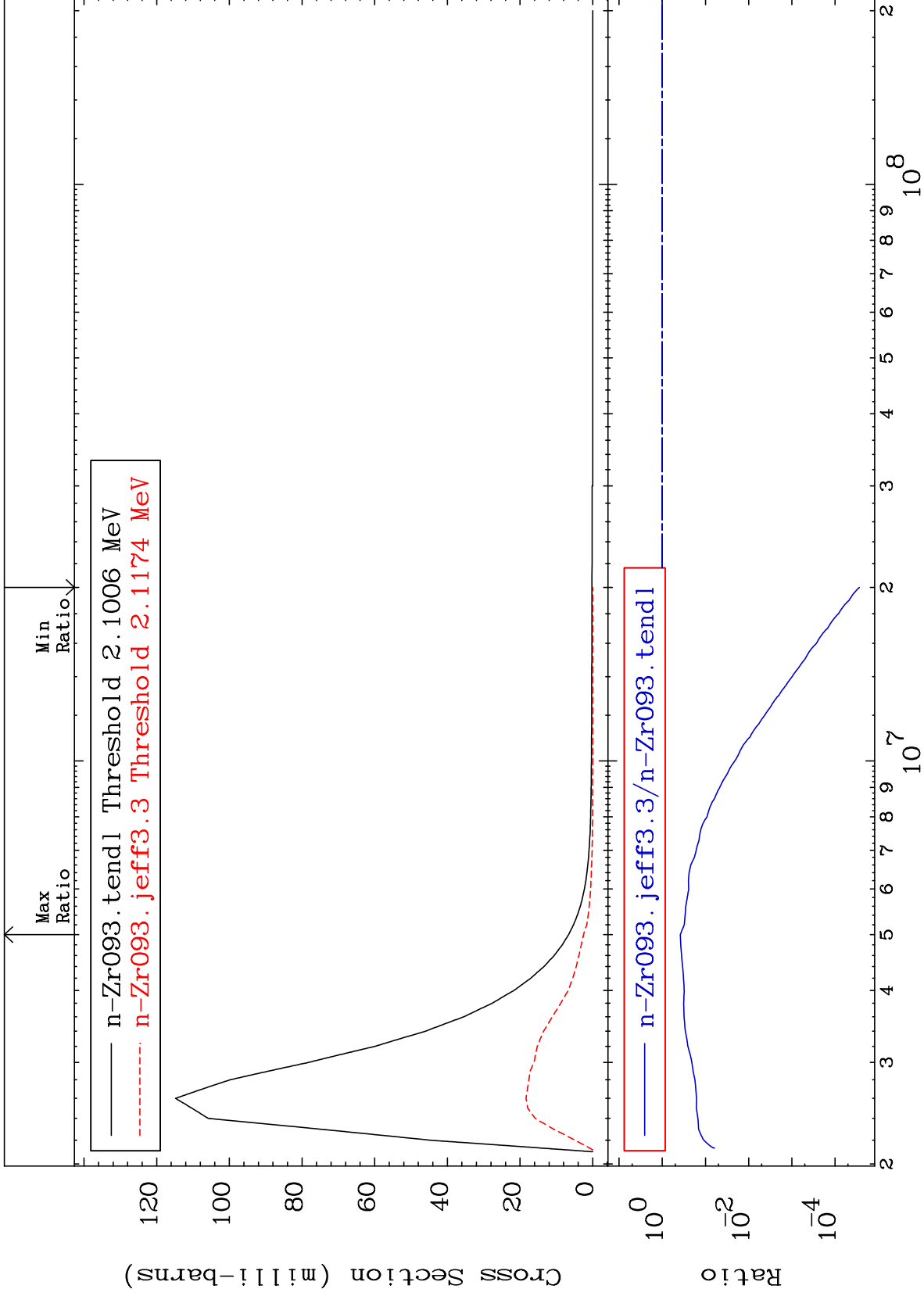
40-Zr-93  
-99.99 To 119.6 %



MAT 4034

MT= 70 (n,n') Level  
Cross Section

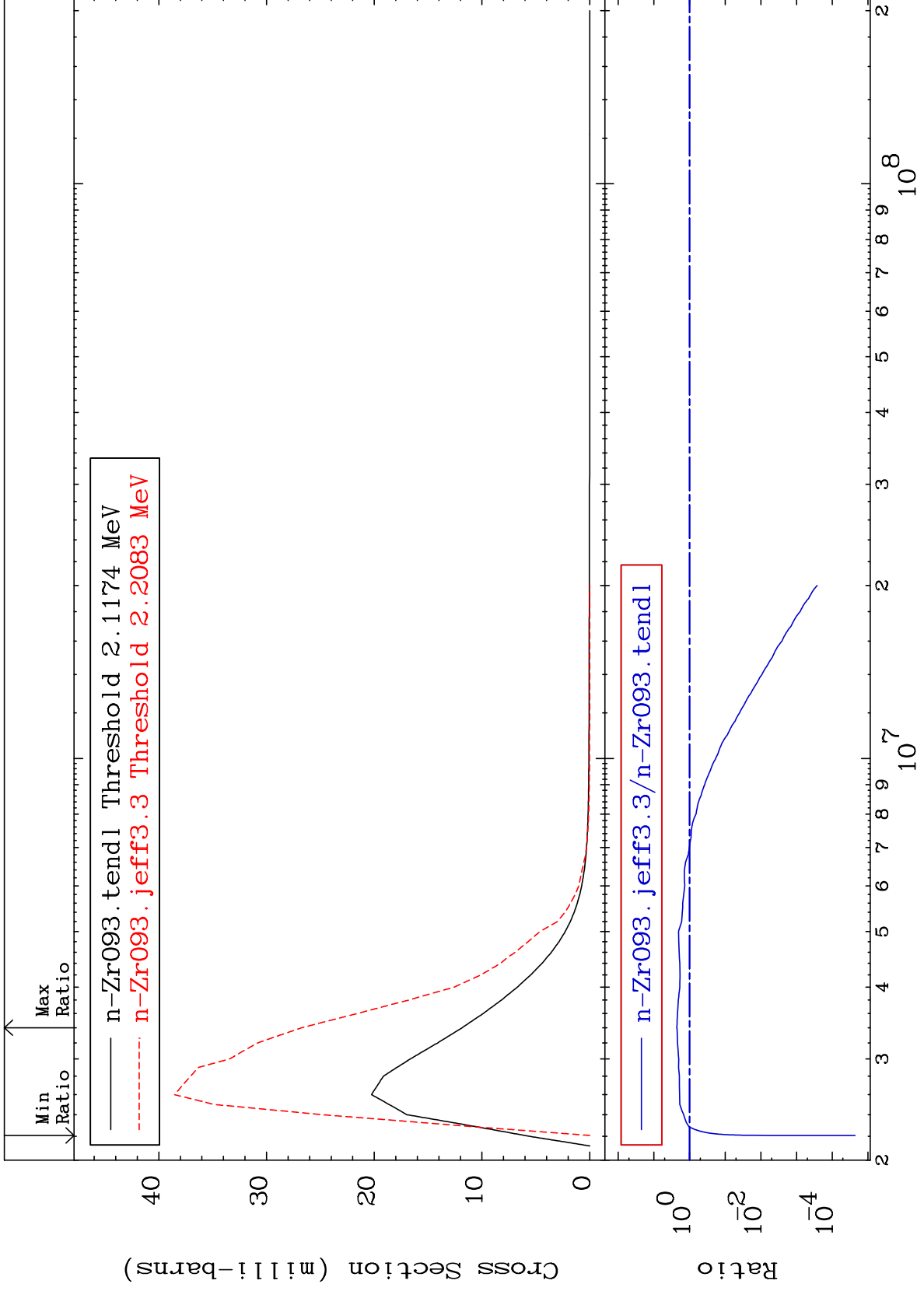
40-Zr-93  
-100.0 To -61.91%



MAT 4034

MT= 71 (n,n') Level  
Cross Section

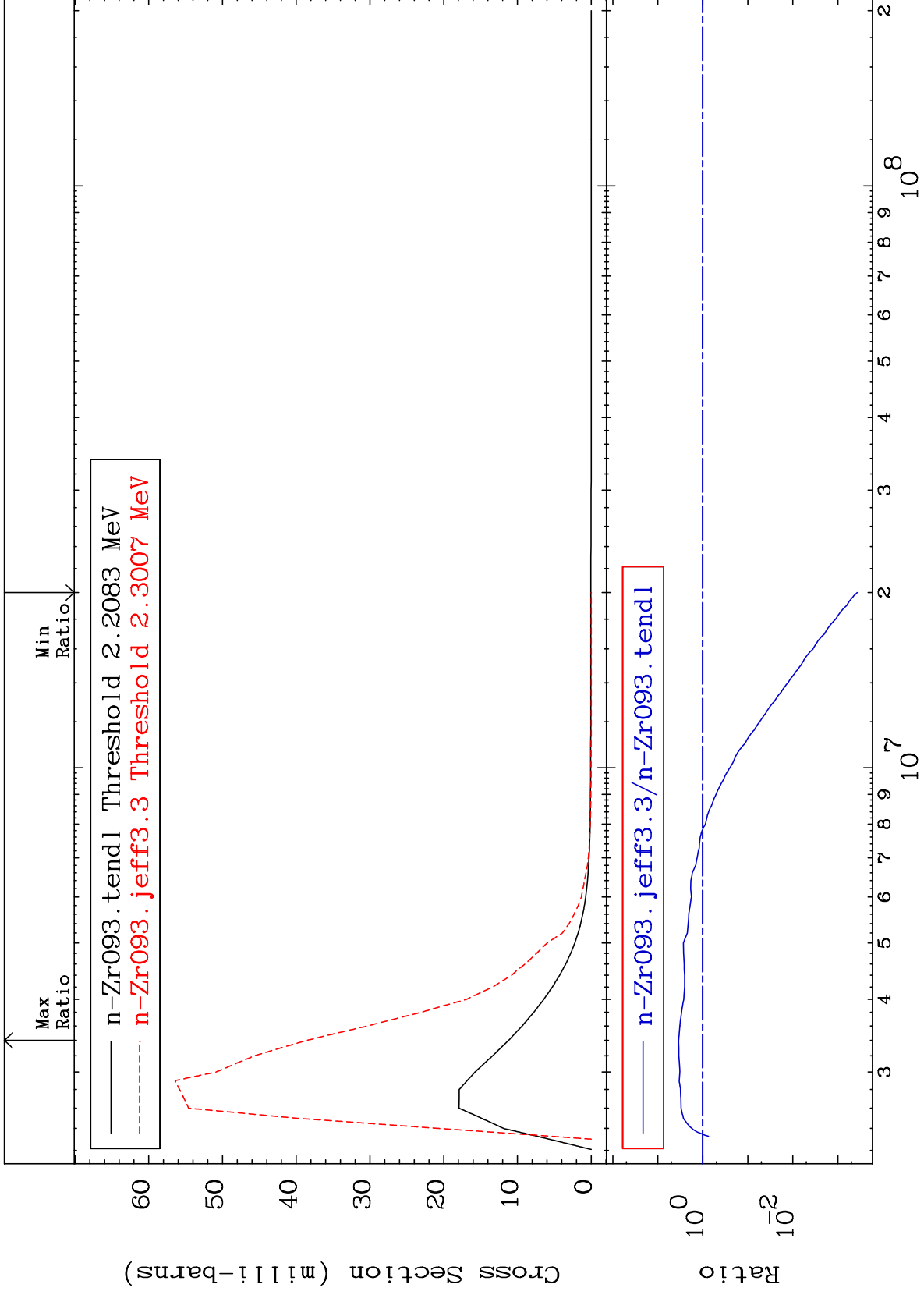
40-Zr-93  
-100.0 To 125.7 %



MAT 4034

MT= 72 (n,n') Level  
Cross Section

40-Zr-93  
-99.96 To 244.2 %

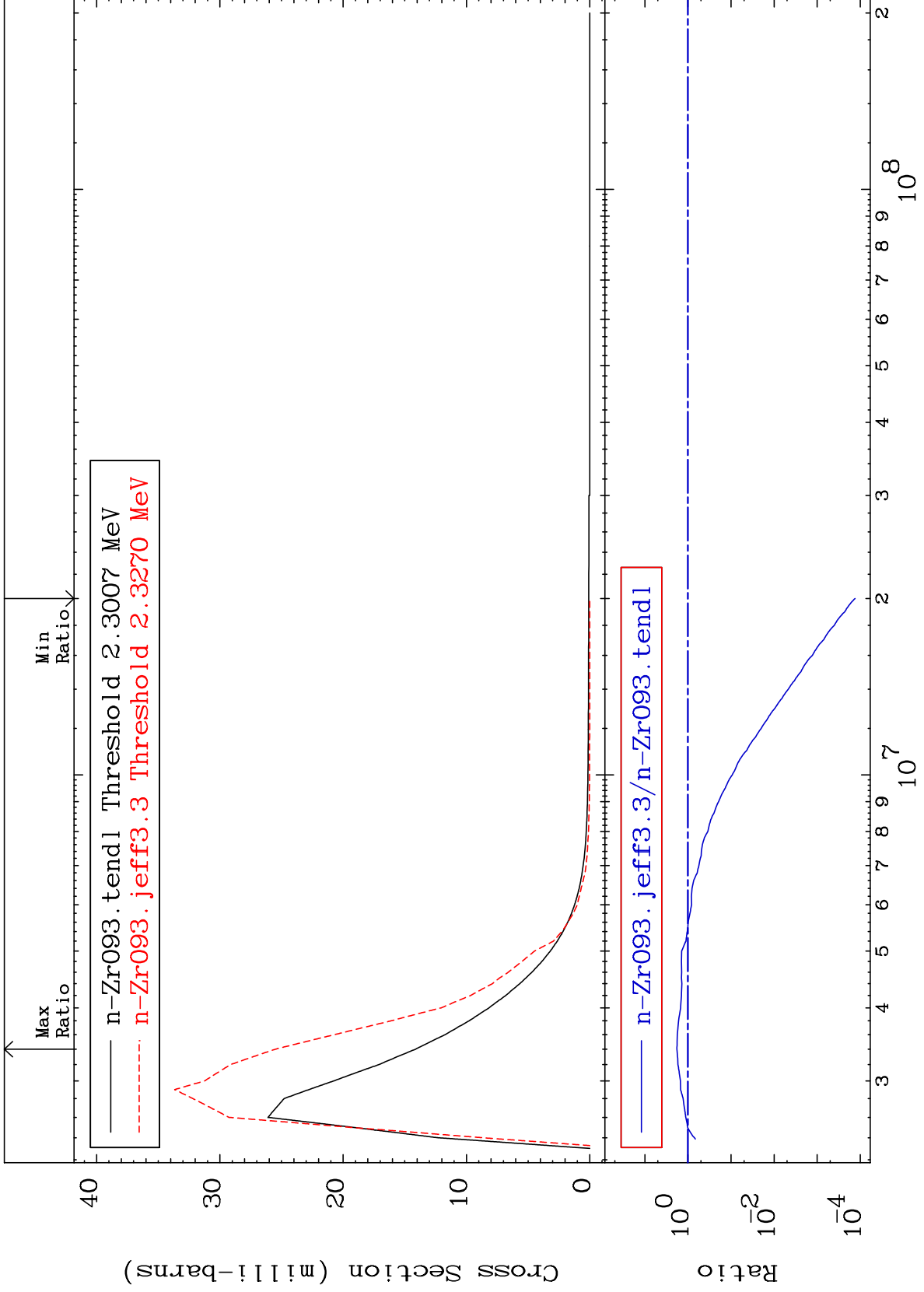




MAT 4034

MT= 73 (n,n') Level  
Cross Section

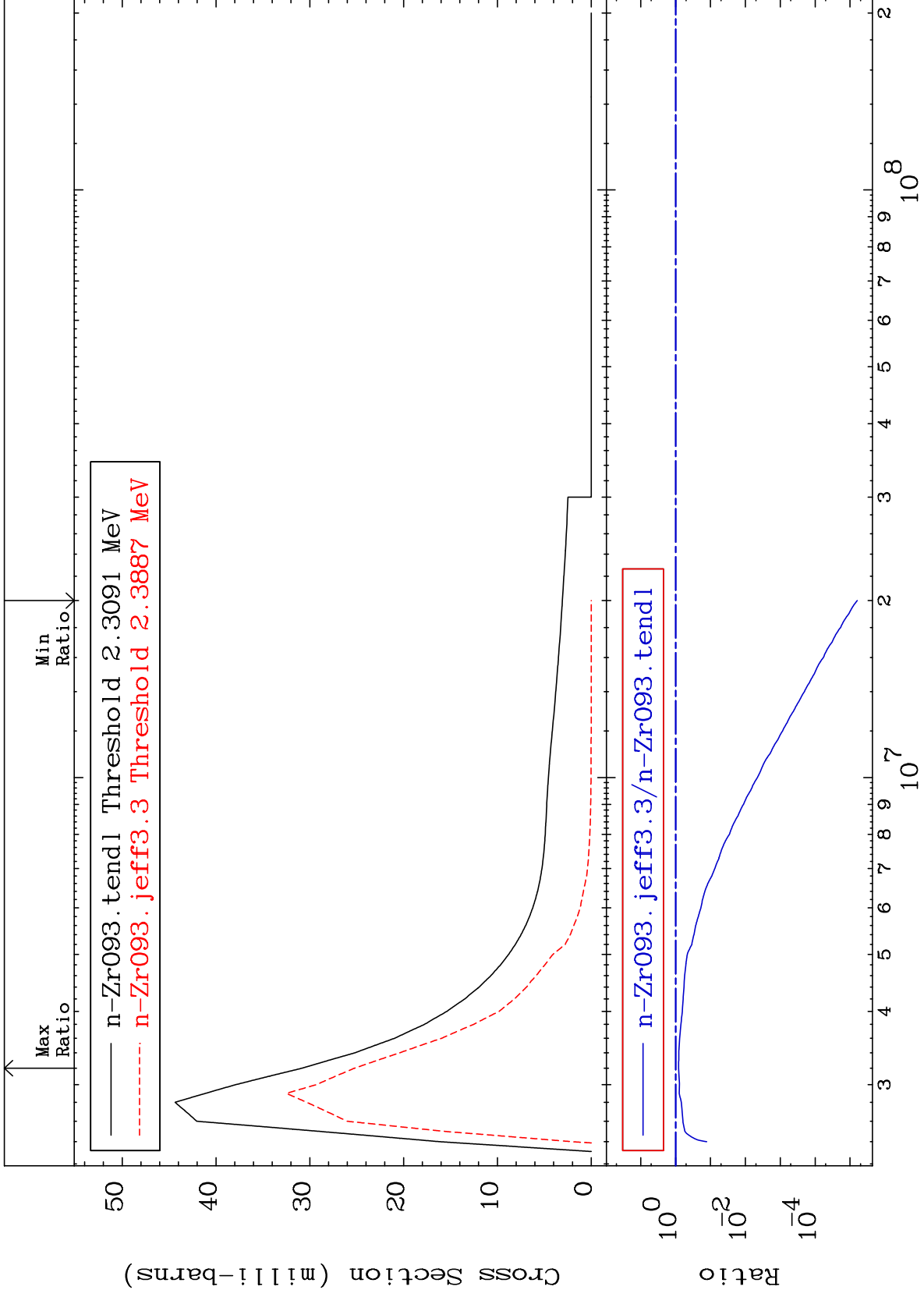
40-Zr-93  
-99.99 To 80.53 %



MAT 4034

MT= 74 (n,n') Level  
Cross Section

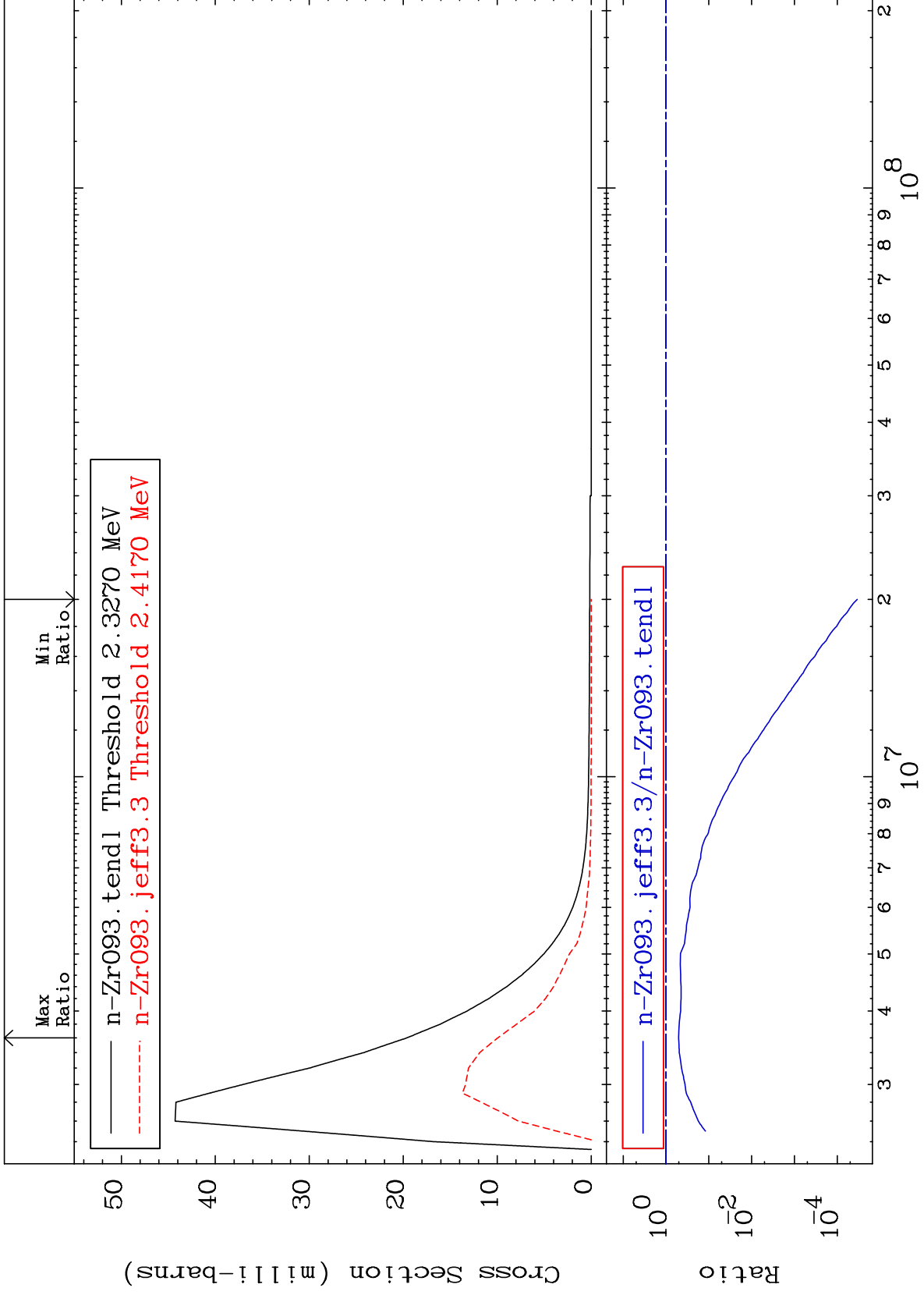
40-Zr-93  
-100.0 To -18.15%



MAT 4034

MT= 75 (n,n') Level  
Cross Section

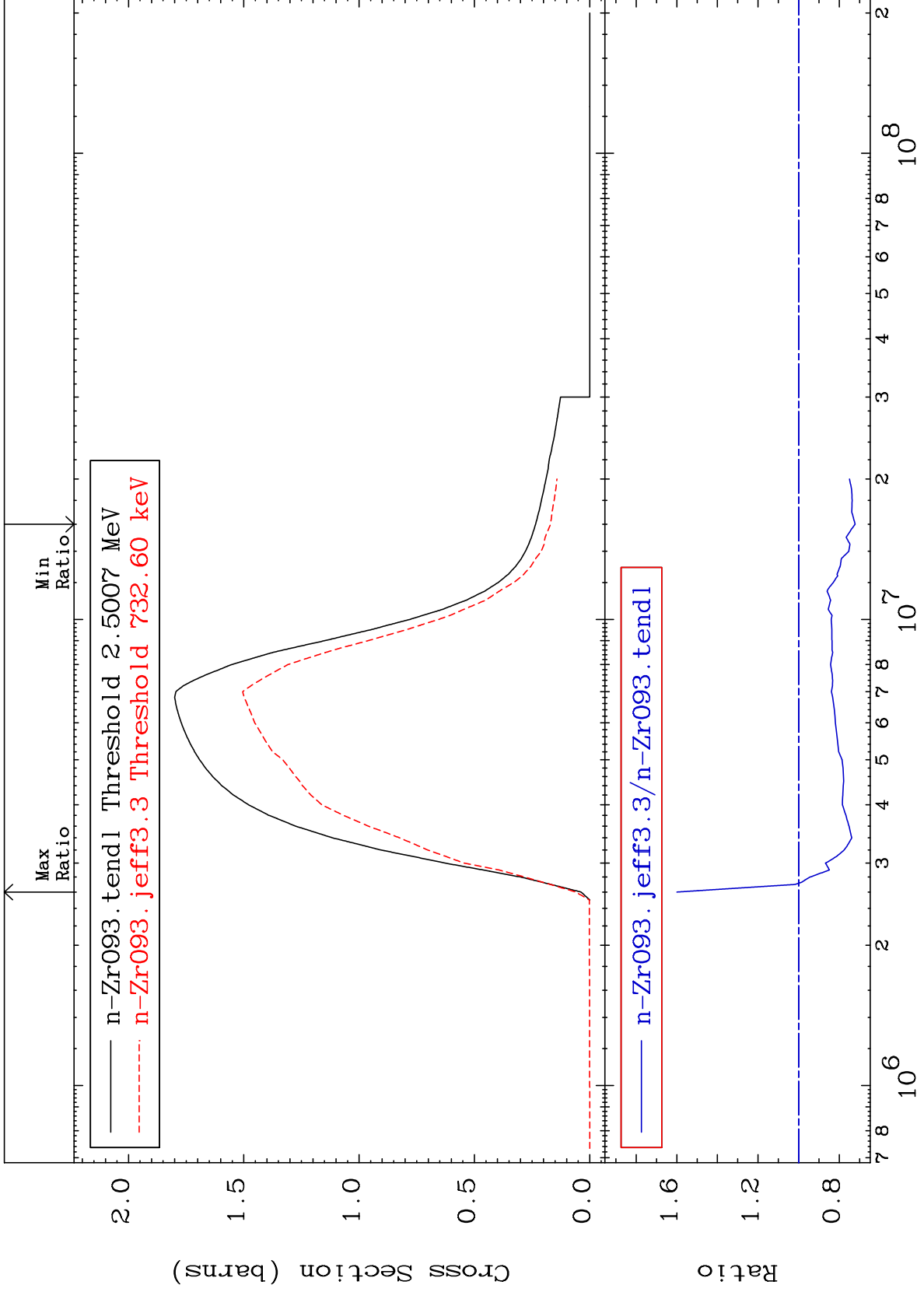
40-Zr-93  
-100.0 To -49.34%



MAT 4034

(n, n') Continuum  
Cross Section

40-Zr-93  
-27.74 To 59.93 %



36

Incident Energy (eV)

40-Zr-93

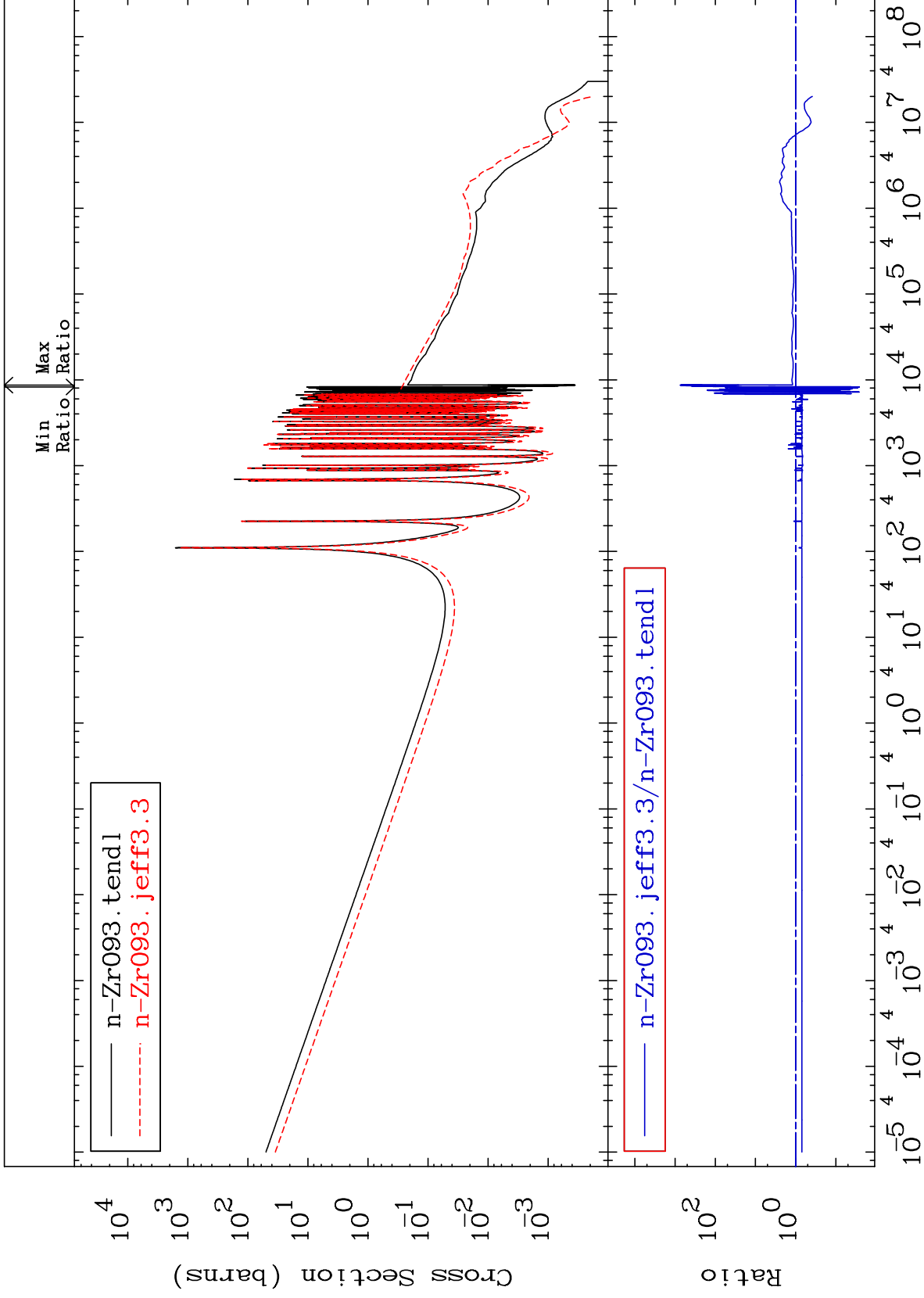
MAT 4034

(n,  $\gamma$ )

40-Zr-93

Cross Section

-97.42 To 9999. %



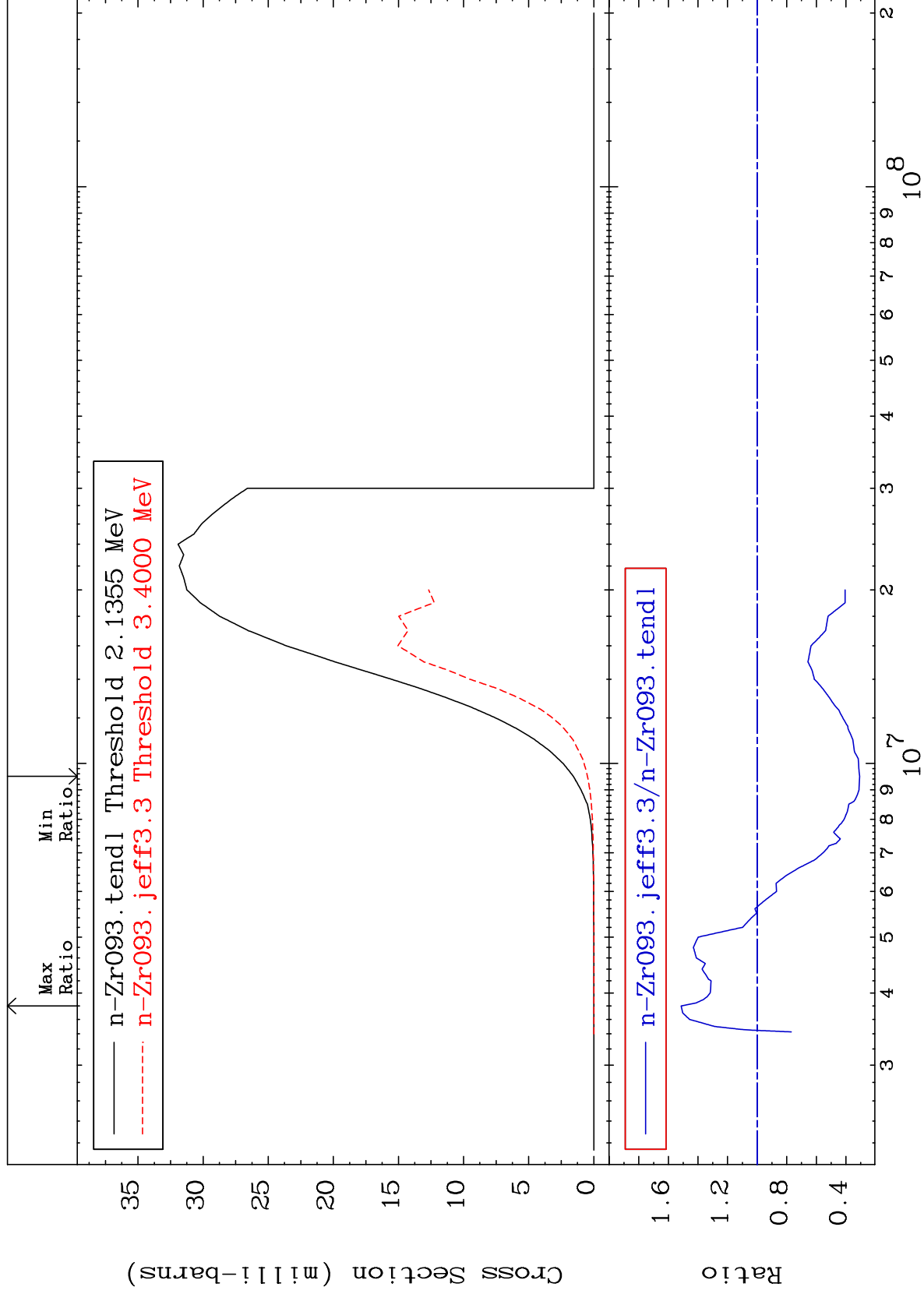
MAT 4034

(n,p)

40-Zr-93

Cross Section

-69.29 To 51.36 %



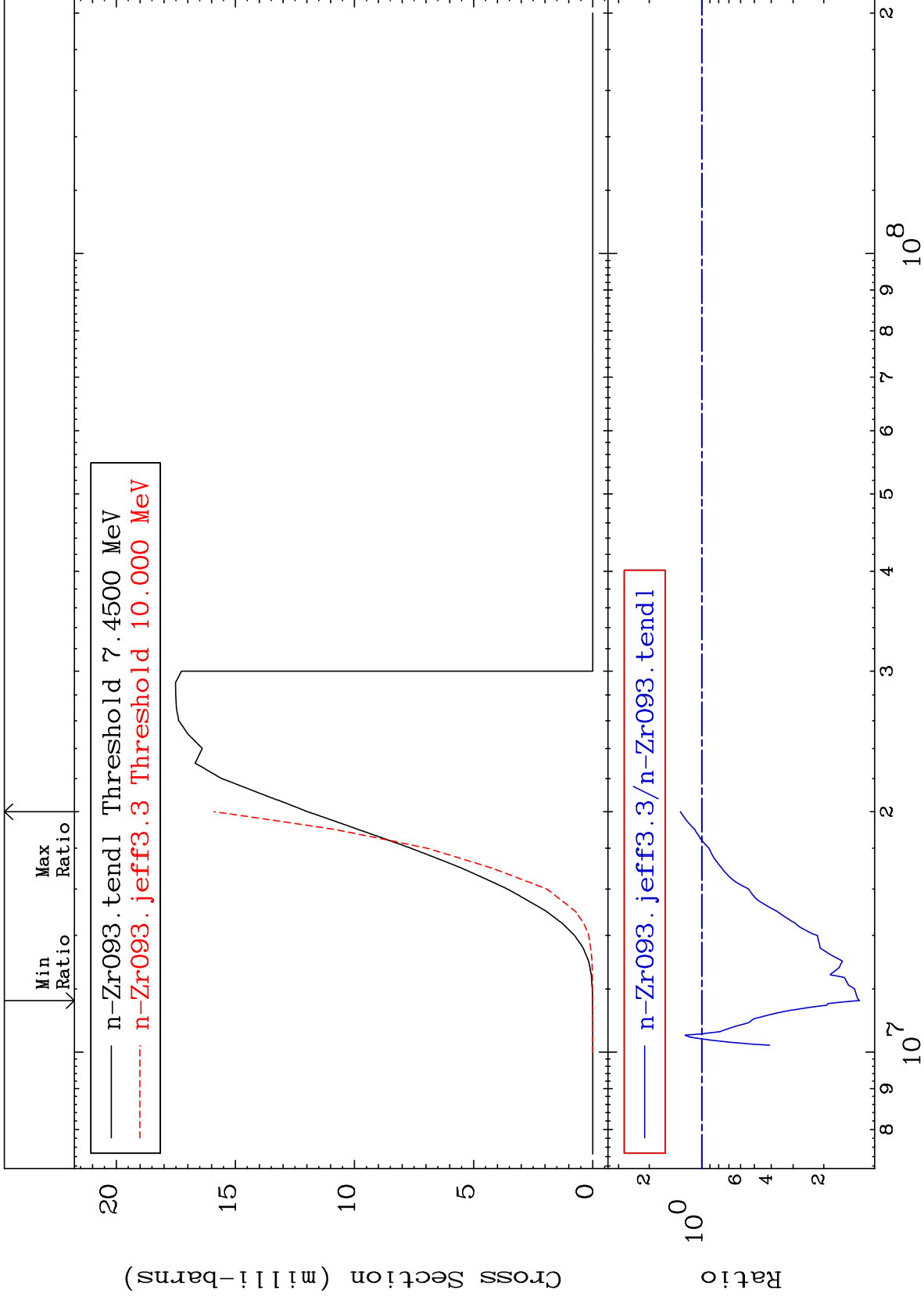
MAT 4034

(n, d)

40-Zr-93

Cross Section

-87.49 To 32.74 %



39

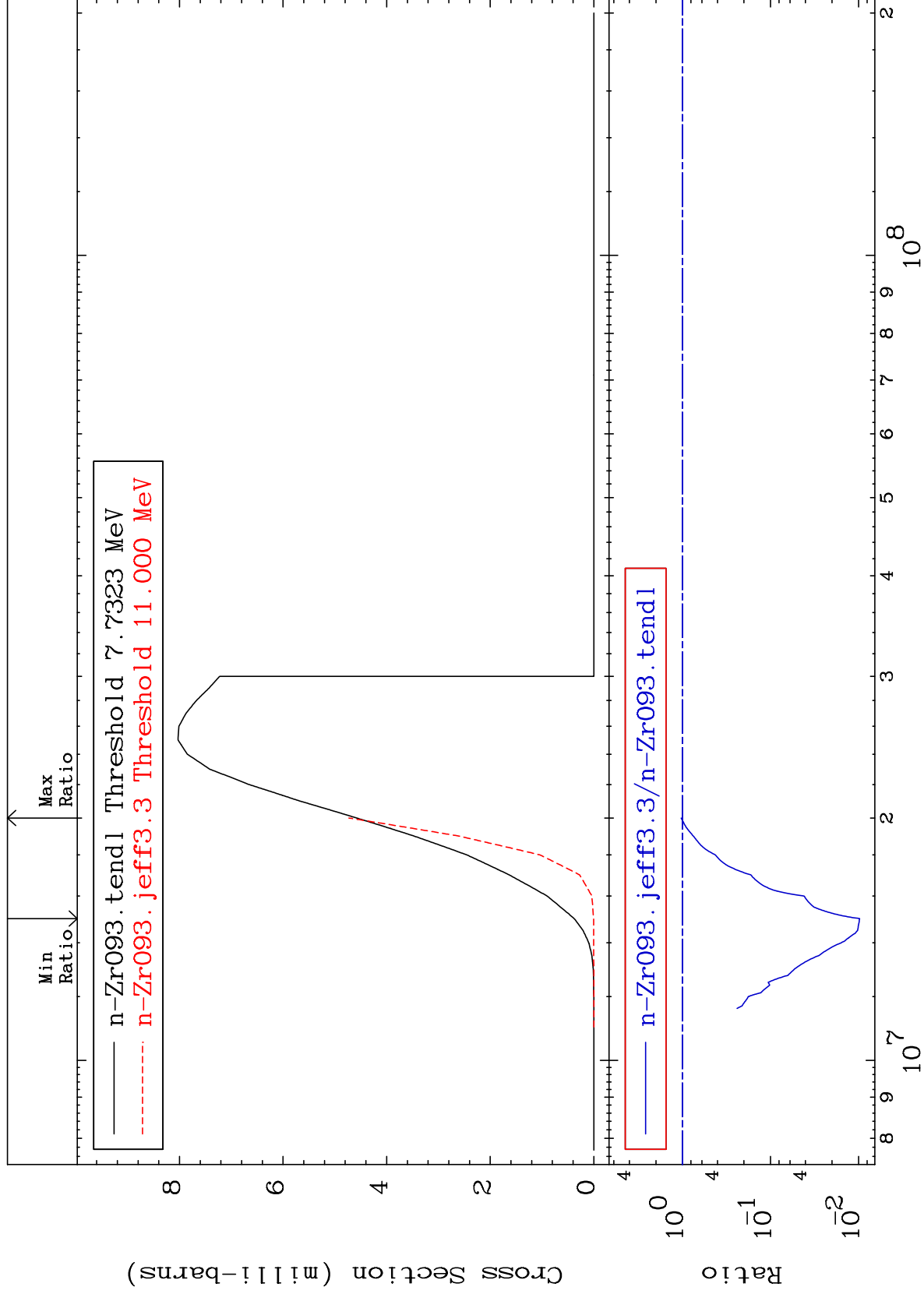
Incident Energy (eV)

40-Zr-93

MAT 4034

(n, t)  
Cross Section

40-Zr-93  
-99.03 To 3.294 %





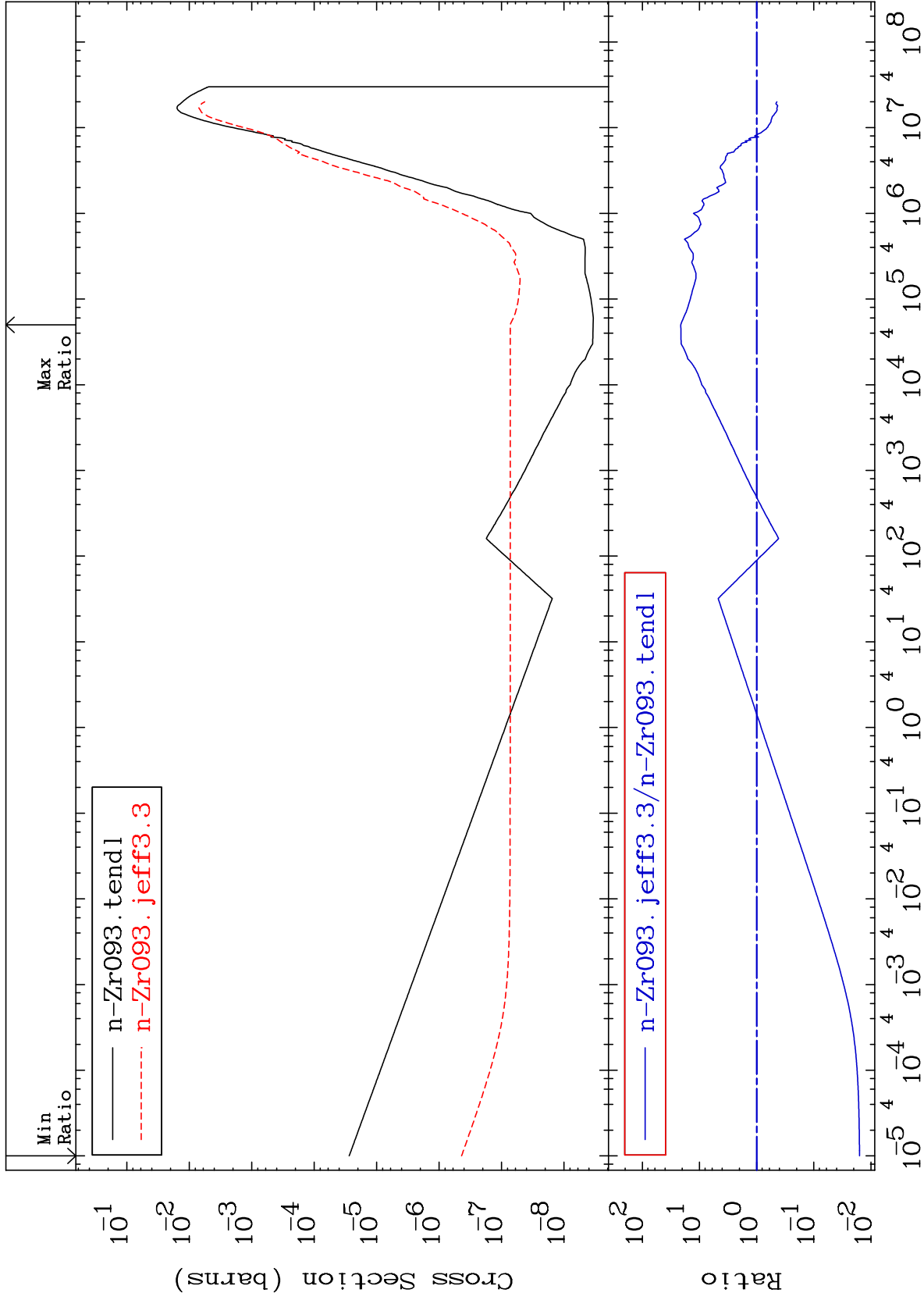
MAT 4034

(n,  $\alpha$ )

40-Zr-93

Cross Section

-98.41 To 2026. %



41

40-Zr-93

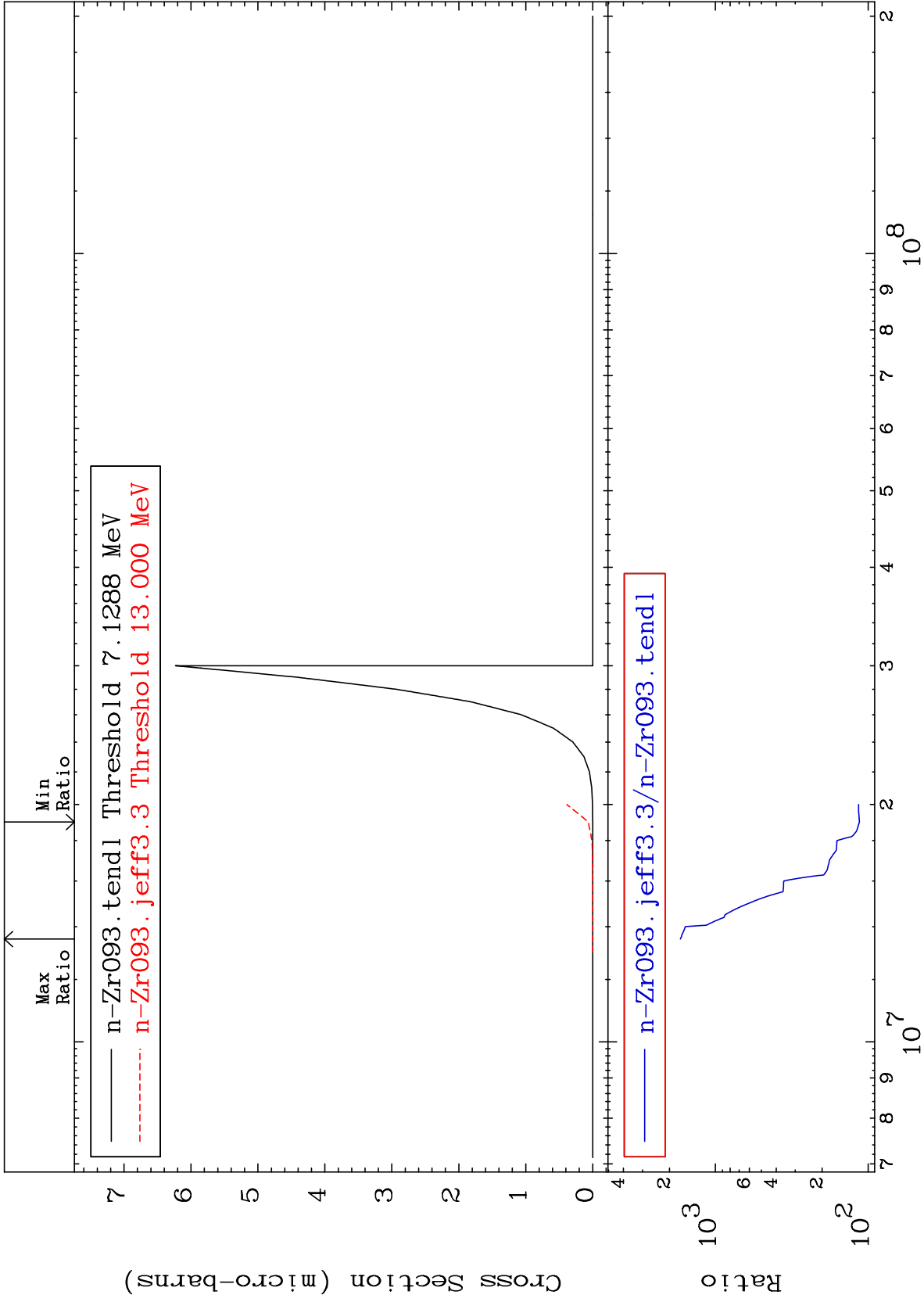
MAT 4034

(n, p)  $\alpha$

40-Zr-93

Cross Section

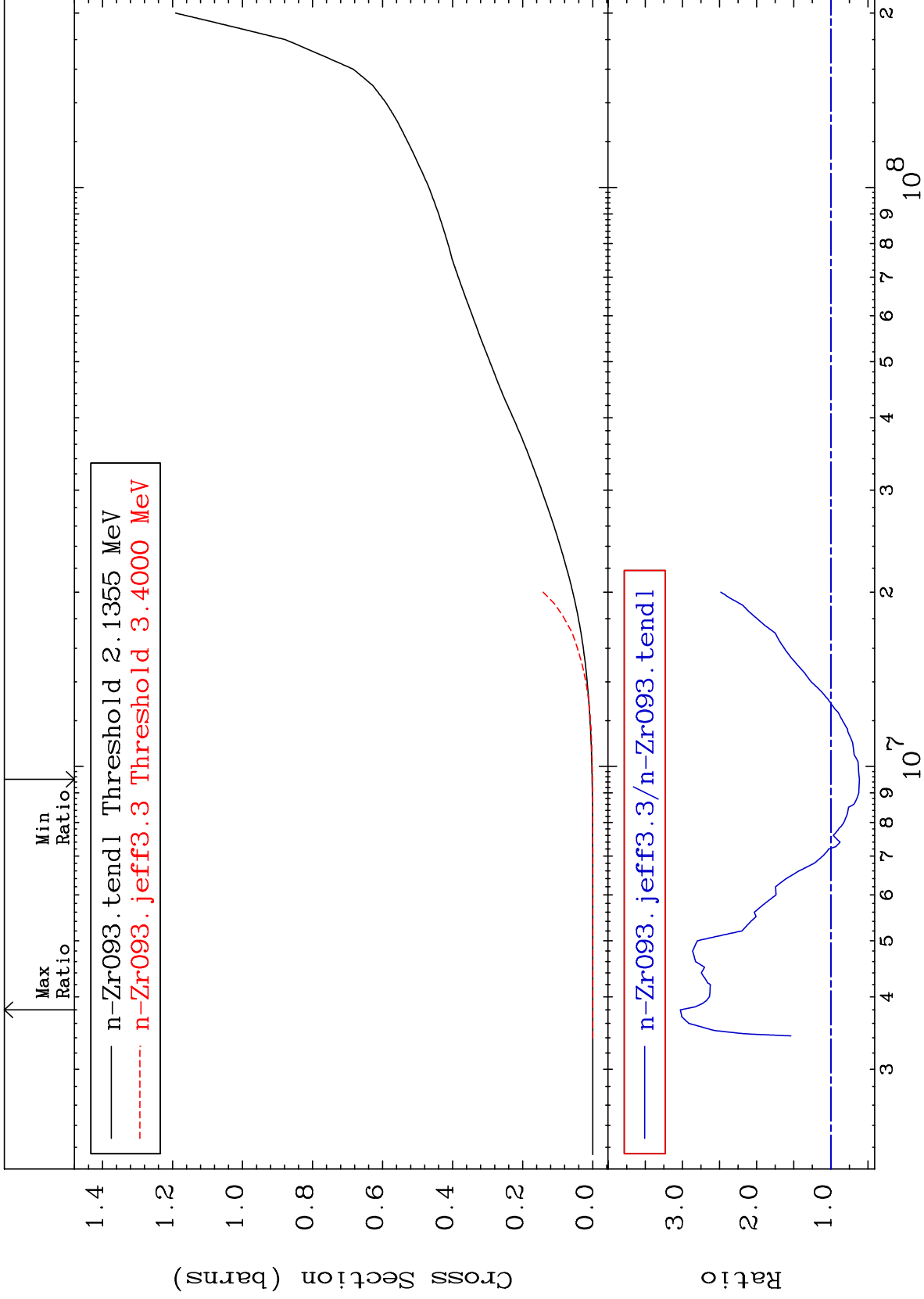
9999. To 9999. %



MAT 4034

### Hydrogen Production Cross Section

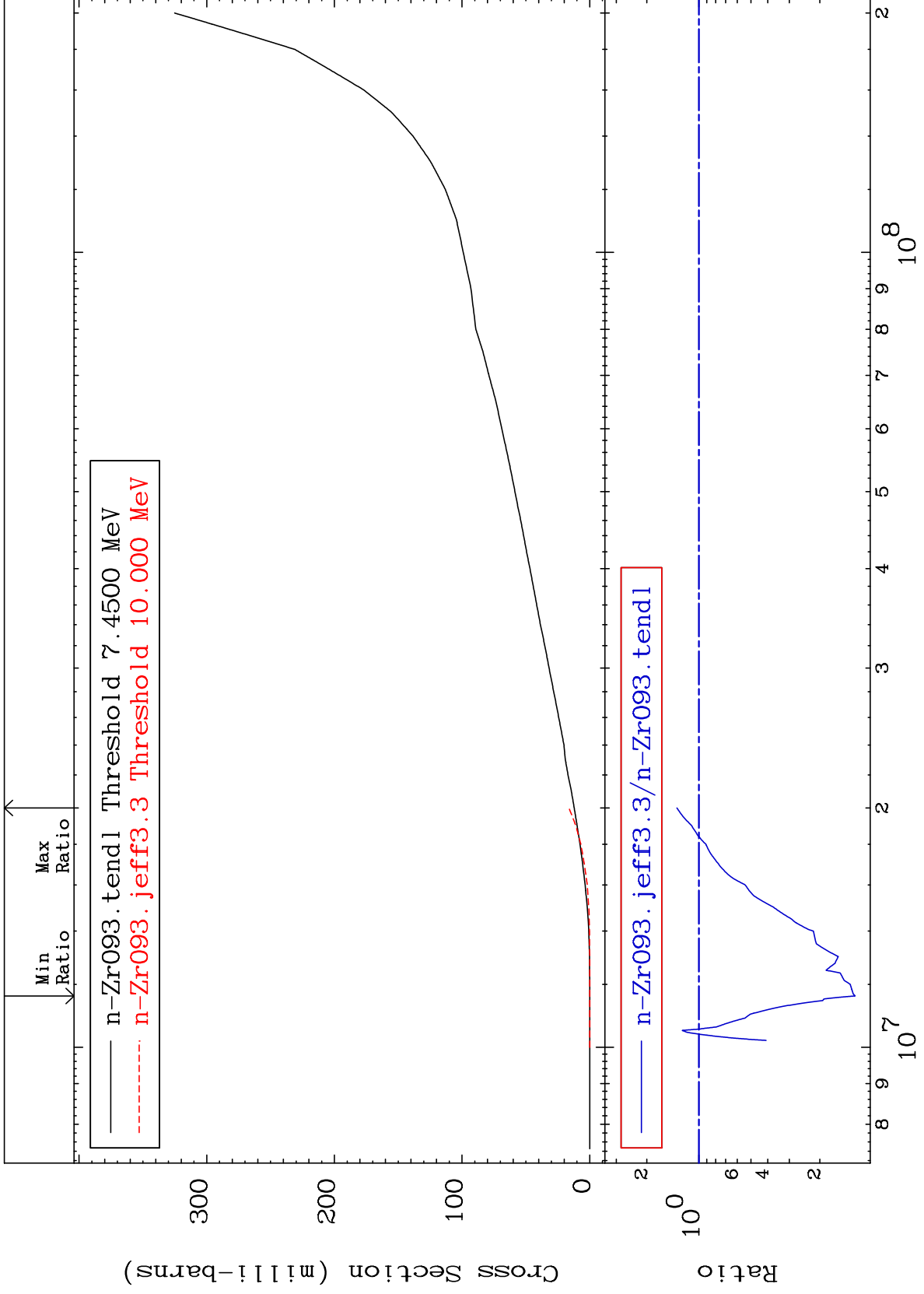
40-Zr-93  
-38.57 To 202.7 %



MAT 4034

Deuterium Production  
Cross Section

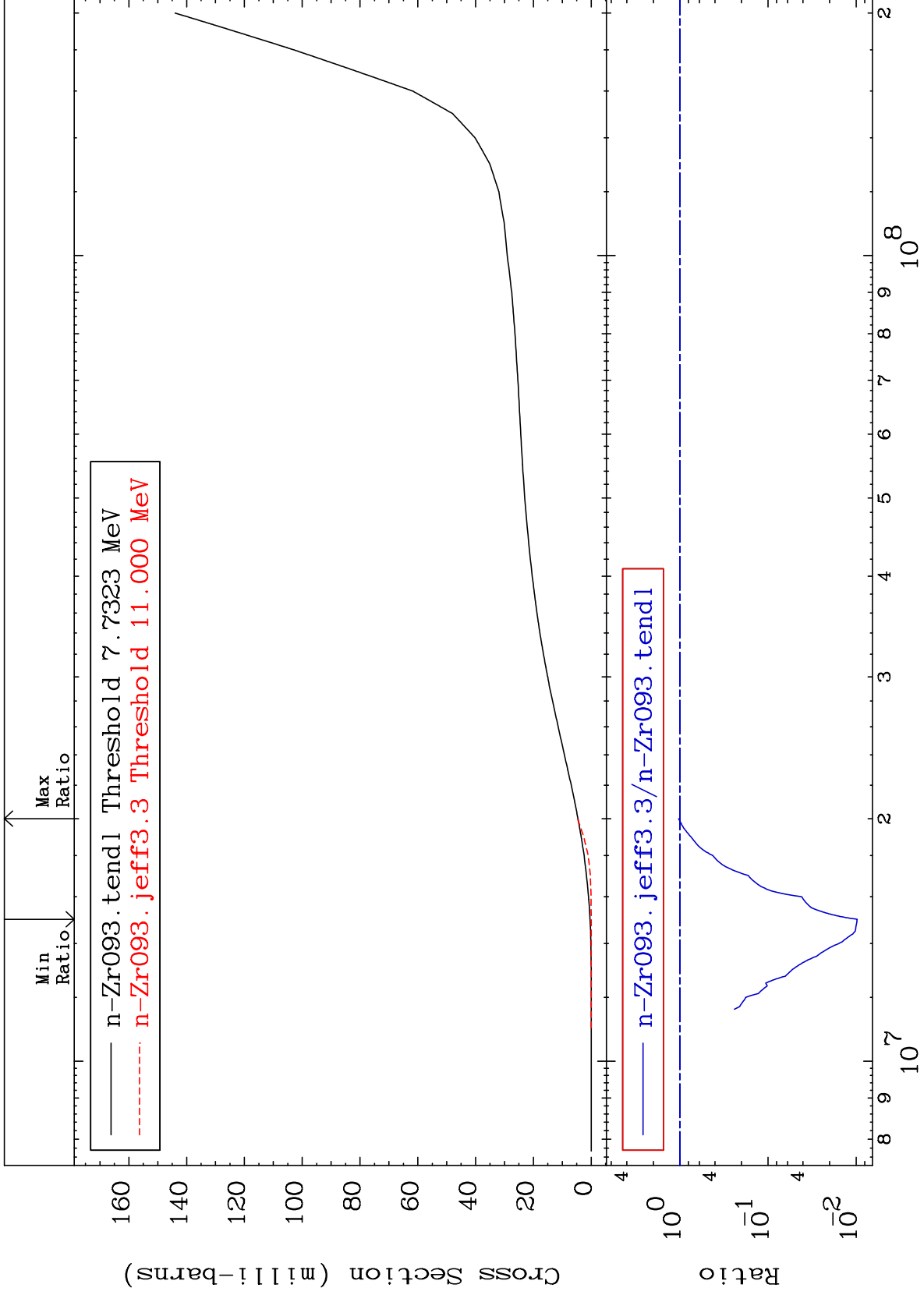
40-Zr-93  
-87.49 To 33.81 %



MAT 4034

Tritium Production  
Cross Section

40-Zr-93  
-99.03 To 3.233 %



45

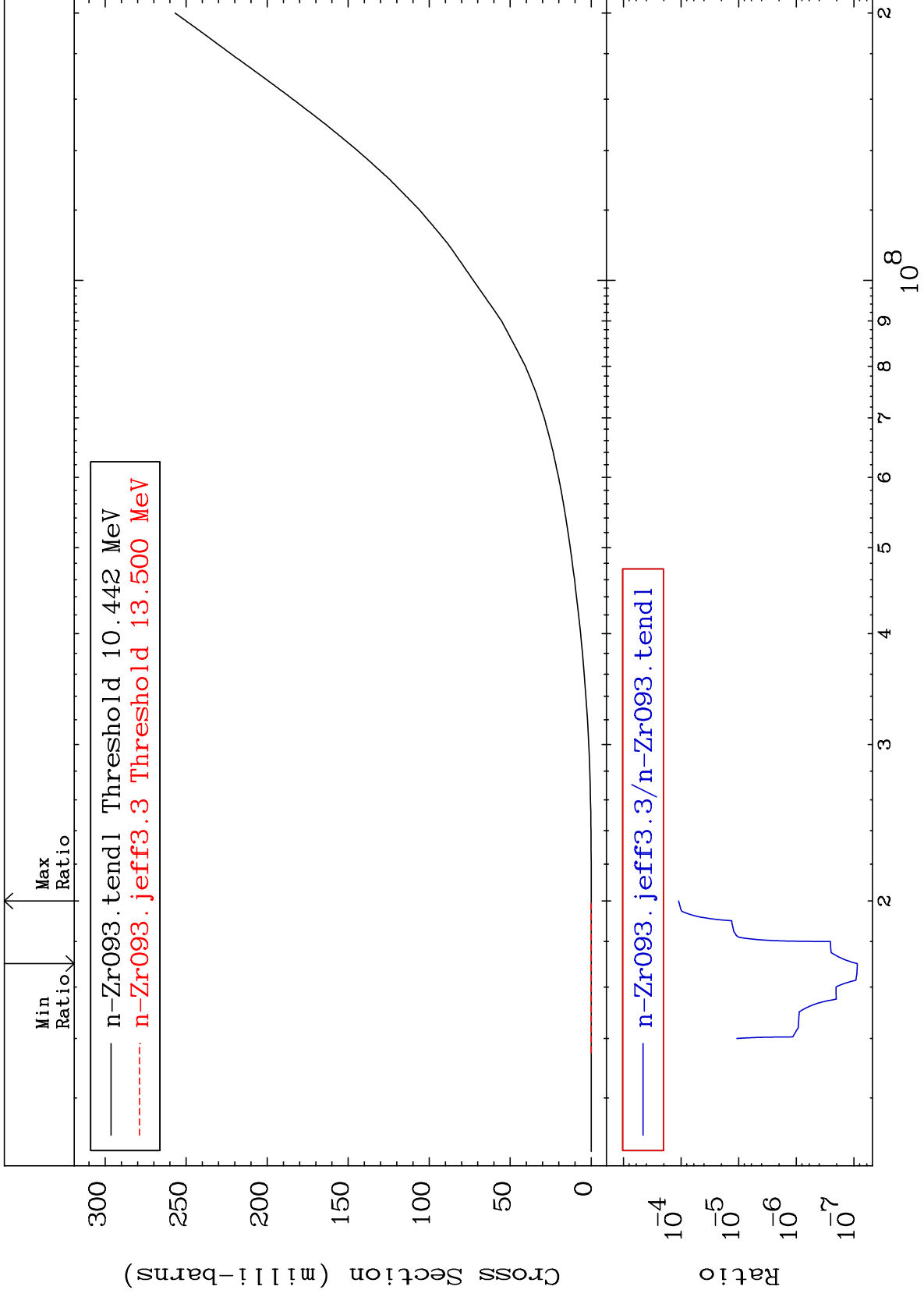
Incident Energy (eV)

40-Zr-93

MAT 4034

He-3 Production  
Cross Section

40-Zr-93  
-100.0 To -99.99%





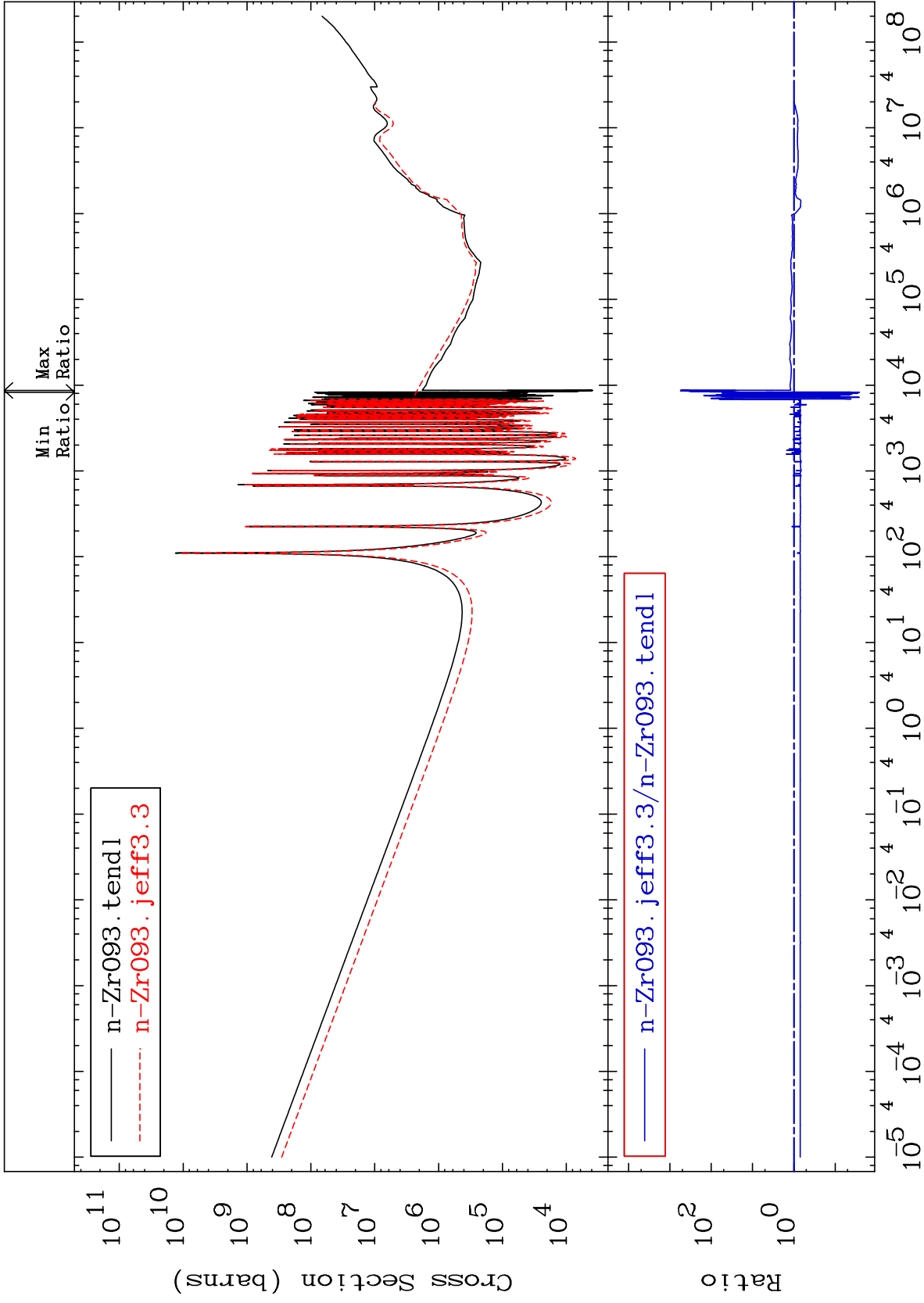
MAT 4034

Kerma total (eV-barns)

40-Zr-93

Cross Section

-97.42 To 9999. %



48

Incident Energy (eV)

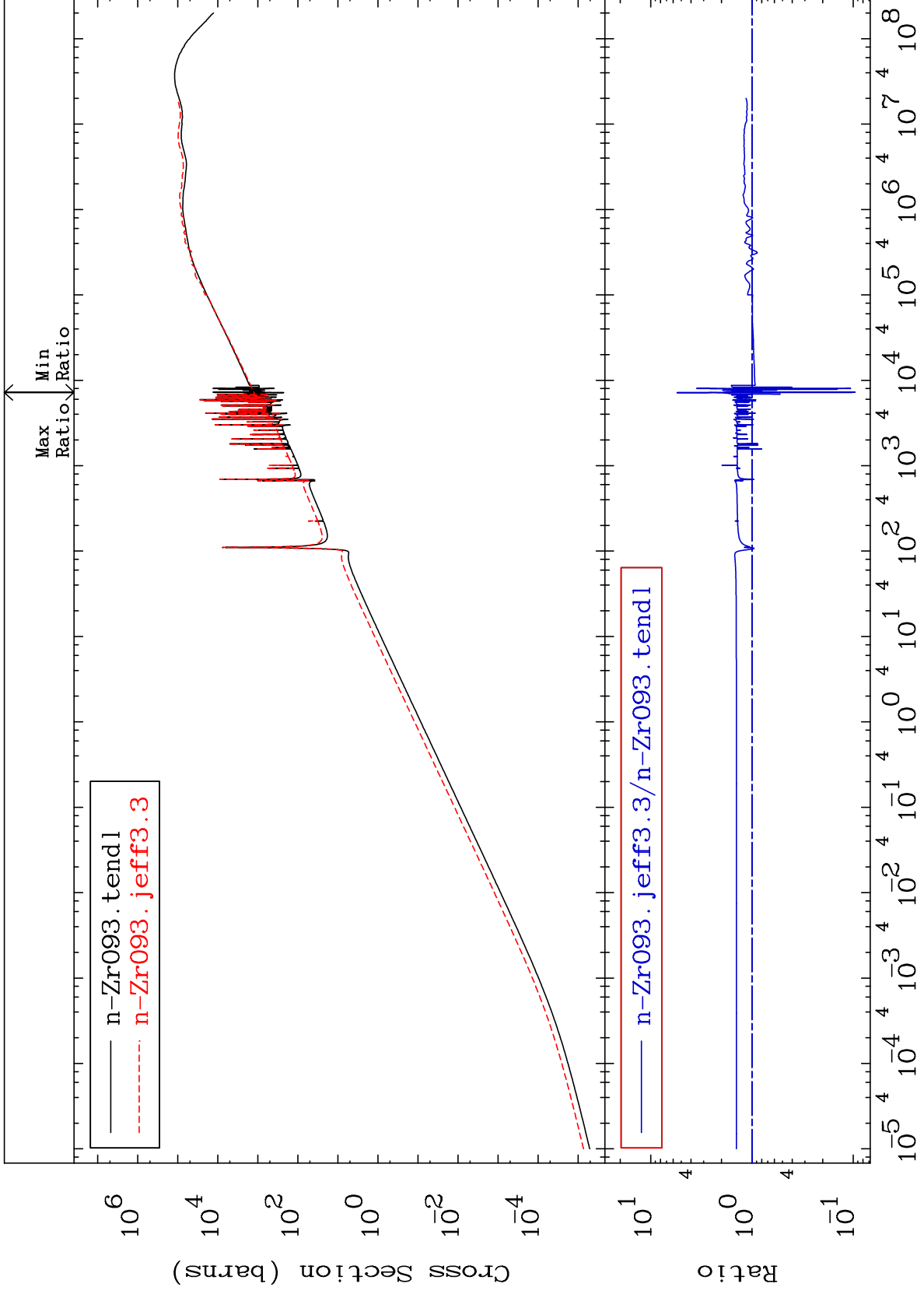
40-Zr-93



MAT 4034

Kerma elastic  
Cross Section

40-Zr-93  
-90.41 To 451.5 %



49

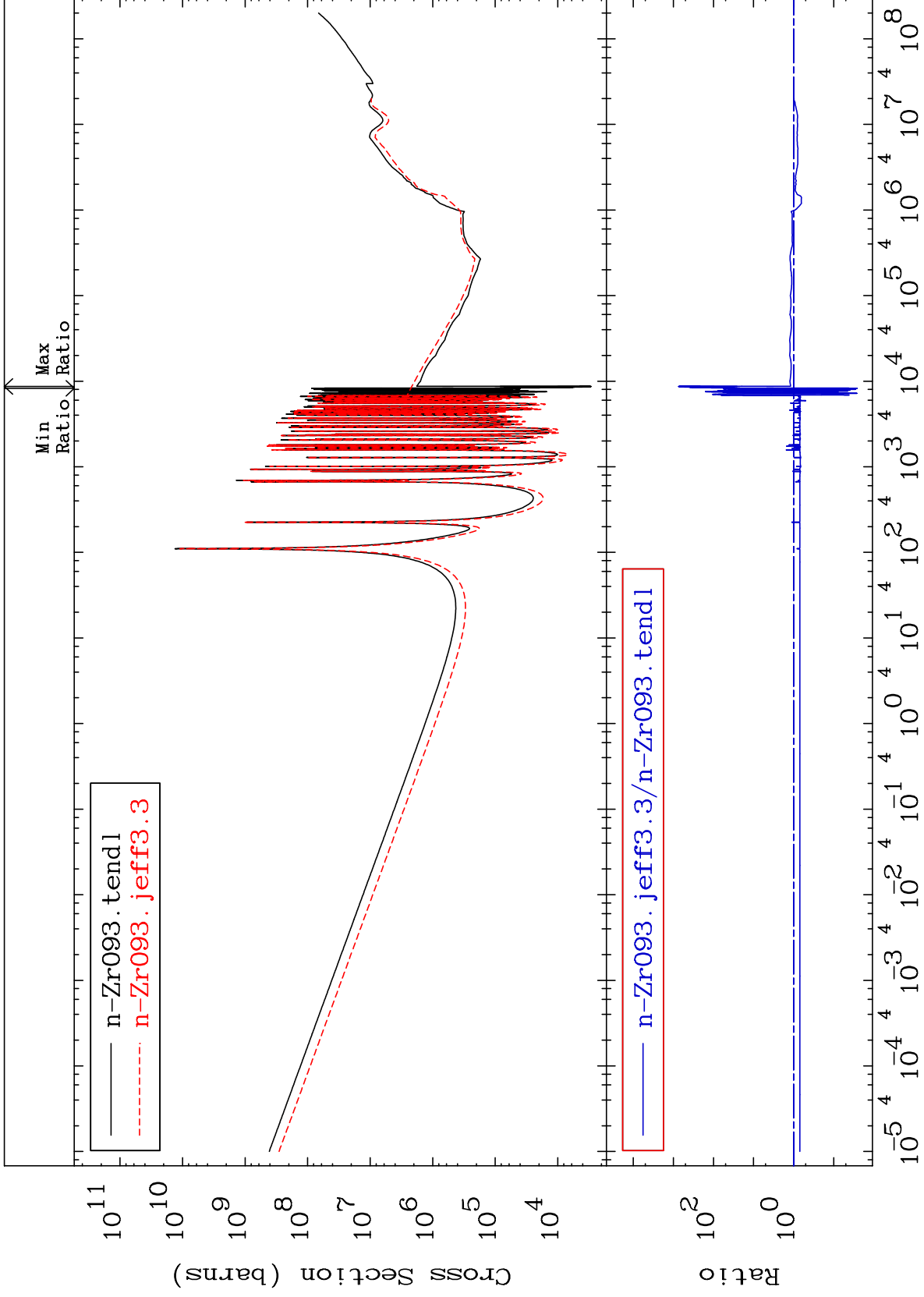
Incident Energy (eV)

40-Zr-93

MAT 4034

Kerma non-elastic (all but mt2)  
Cross Section

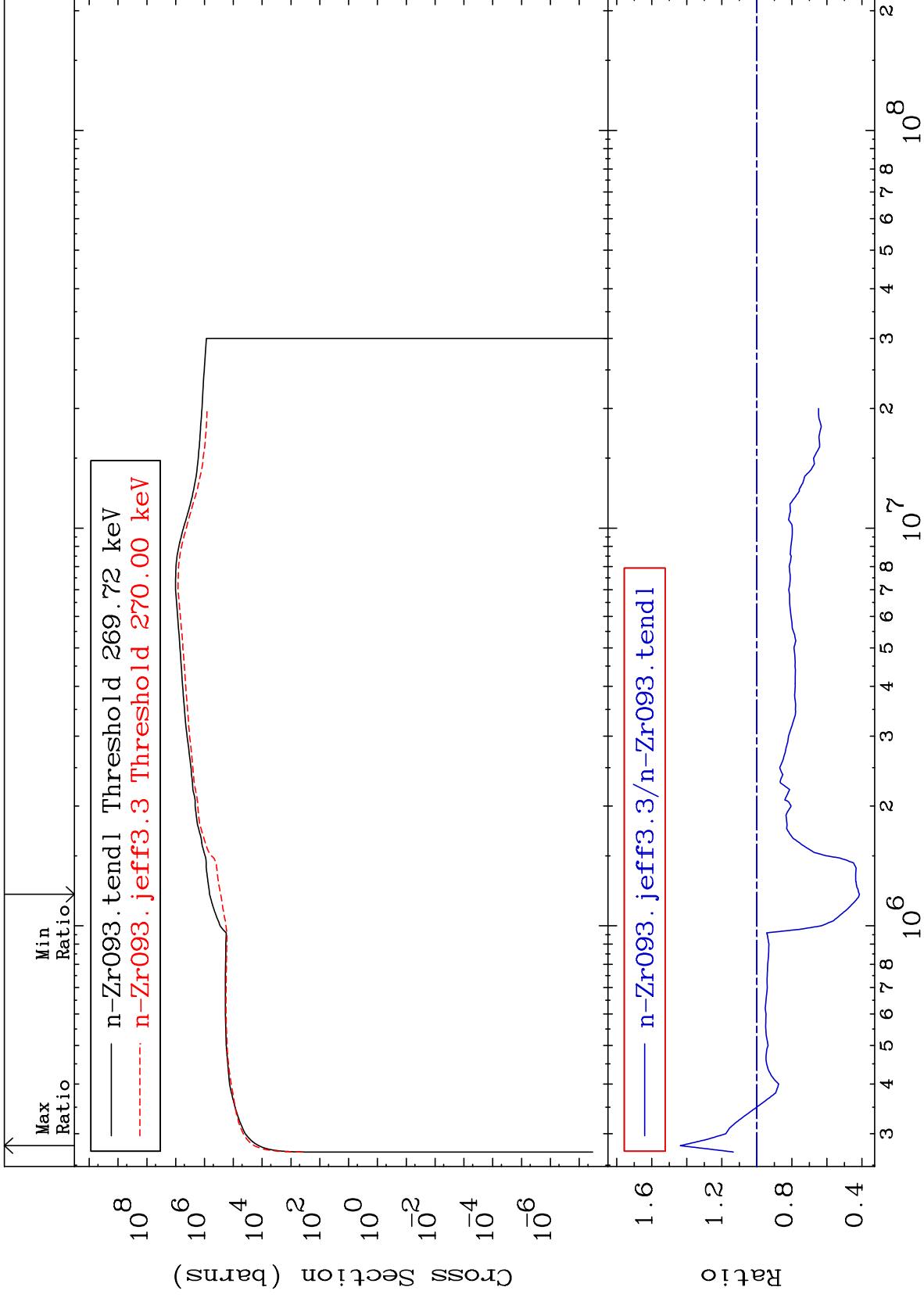
40-Zr-93  
-97.42 To 9999. %



50

Incident Energy (eV)

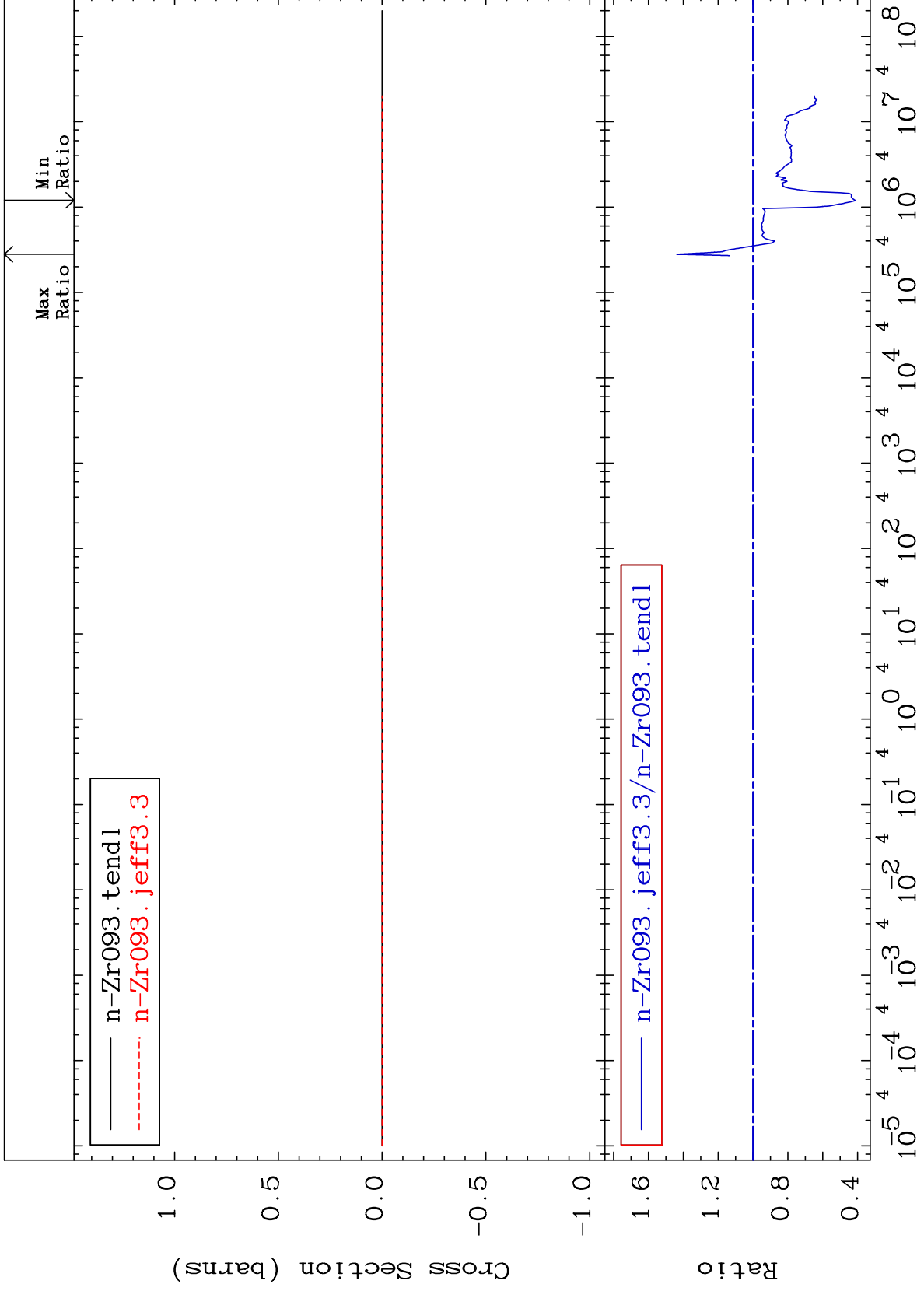
40-Zr-93



MAT 4034

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

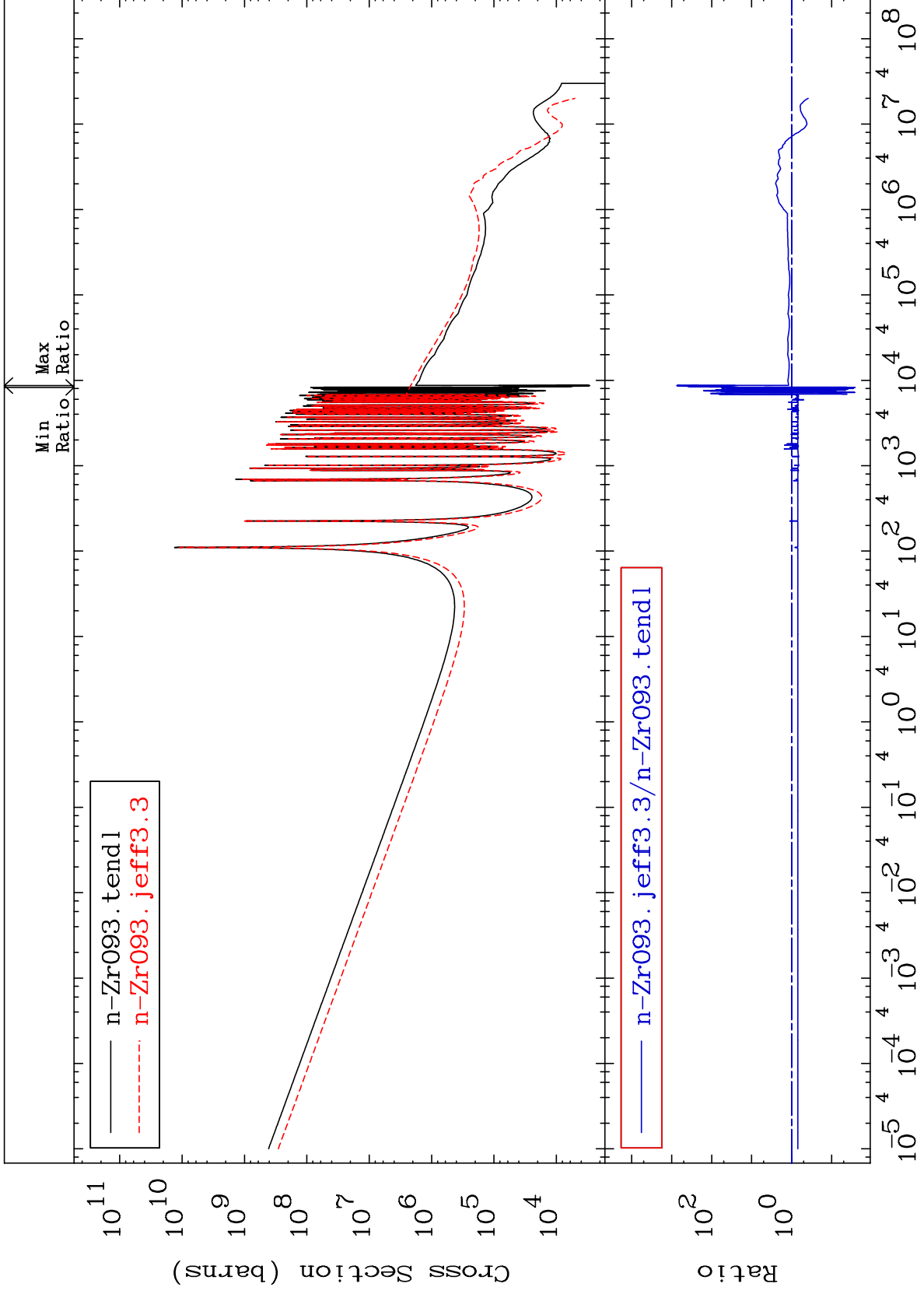
40-Zr-93  
-58.55 To 43.71 %



MAT 4034

Kerma capture (mt102)  
Cross Section

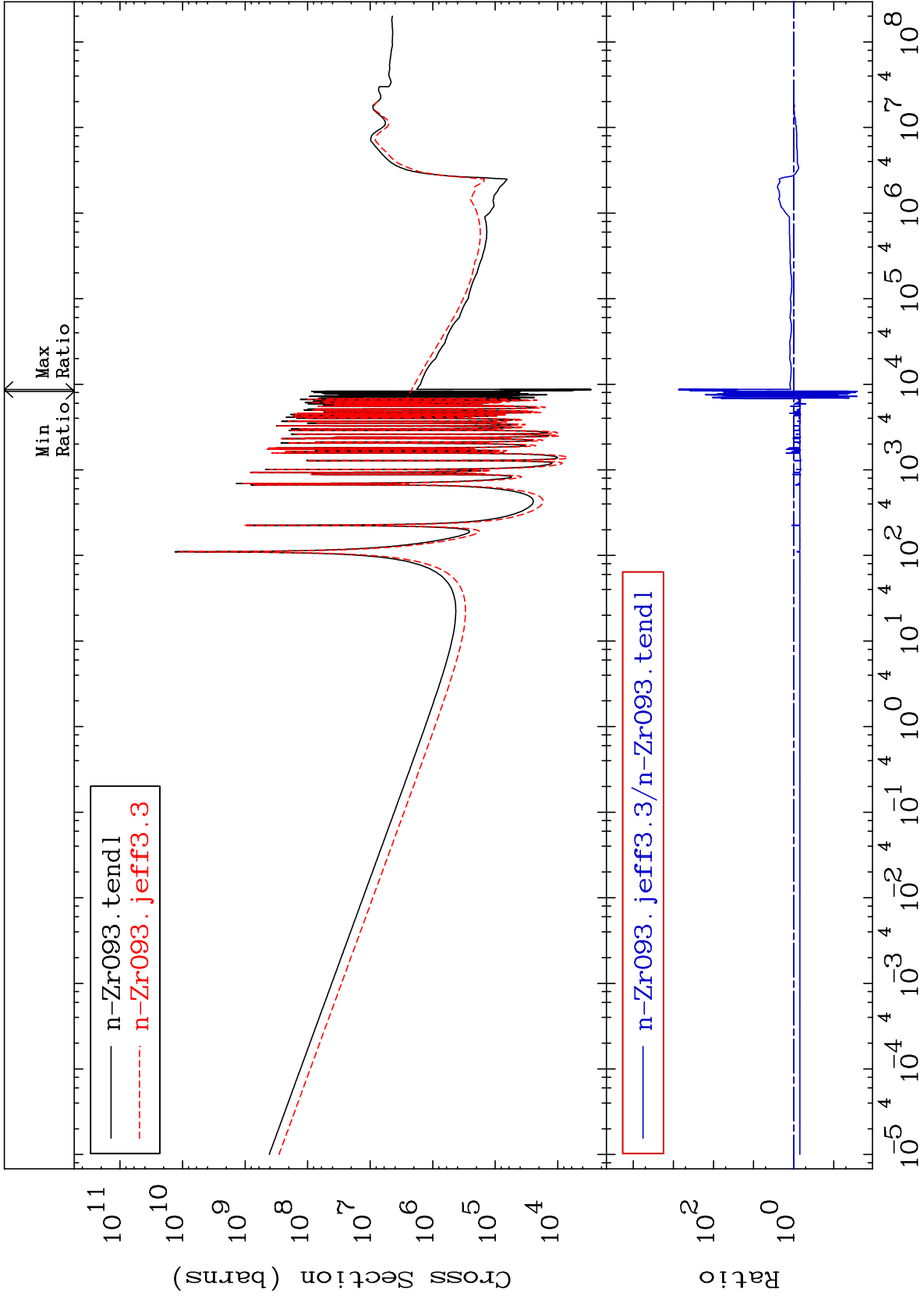
40-Zr-93  
-97.42 To 9999. %



MAT 4034

Total photon (eV-barns)  
Cross Section

40-Zr-93  
-97.42 To 9999. %



54

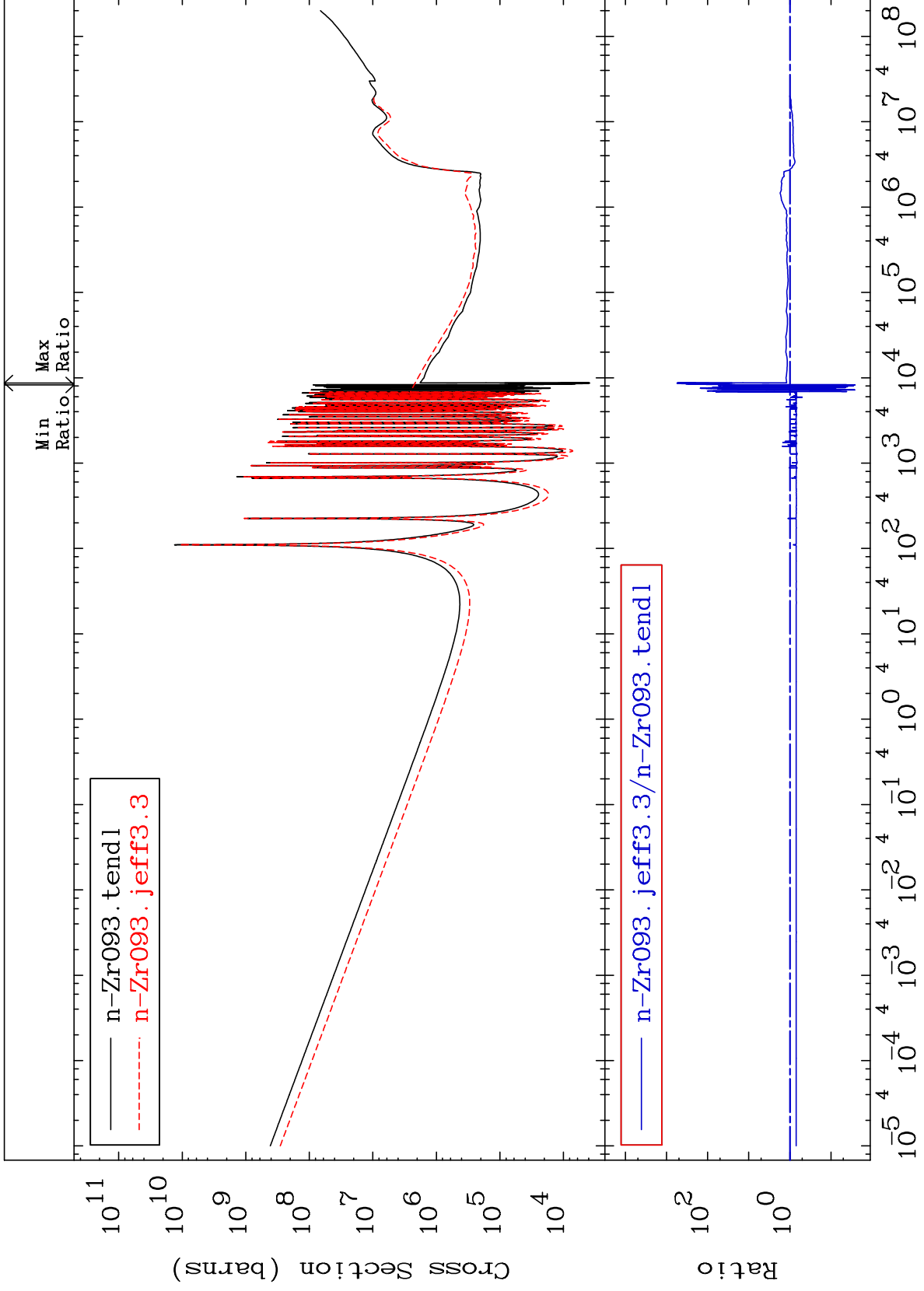
Incident Energy (eV)

40-Zr-93

MAT 4034

Total kinematic kerma (high limit)  
Cross Section

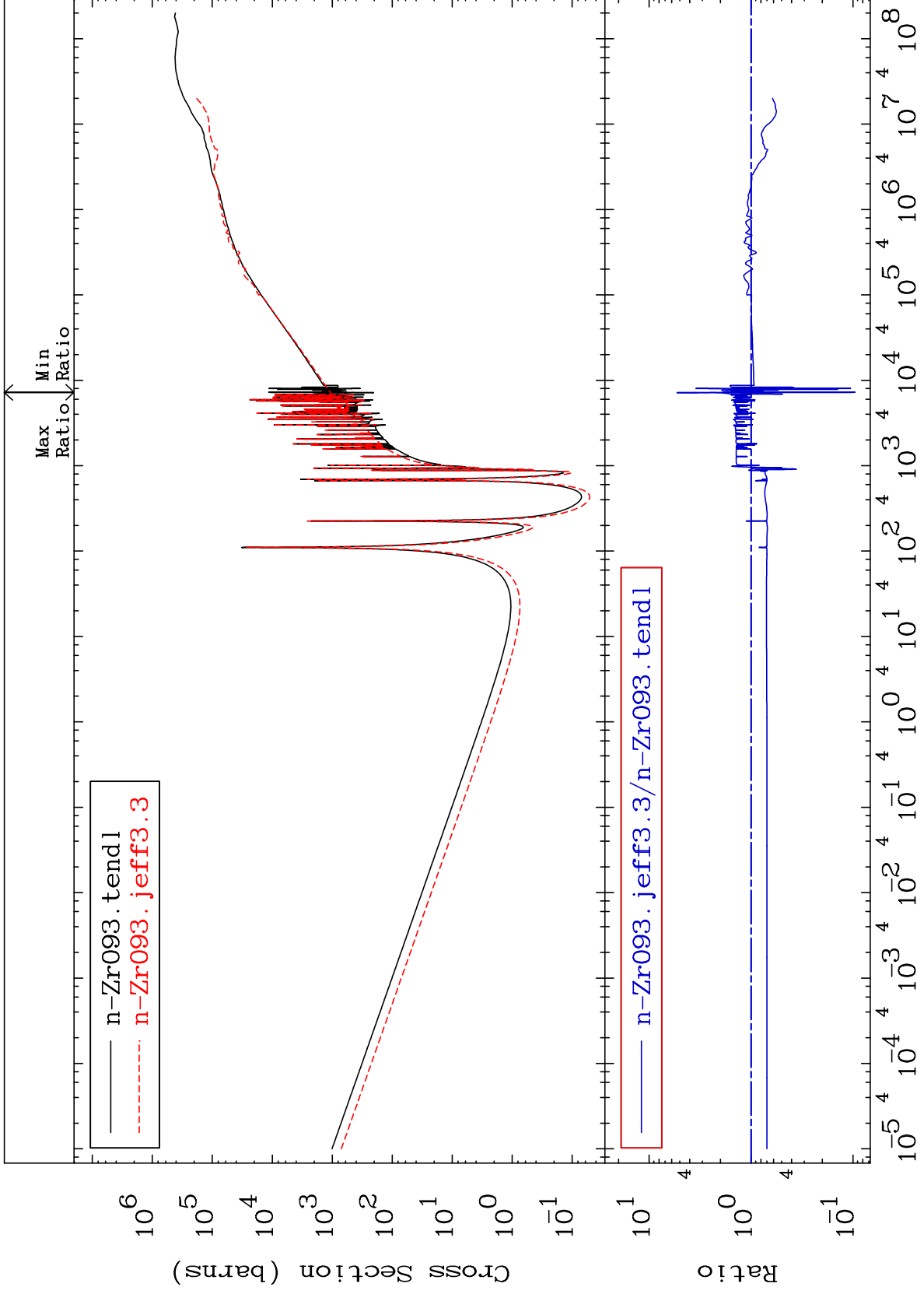
40-Zr-93  
-97.42 To 9999. %



MAT 4034

Dpa total (eV-barns)  
Cross Section

40-Zr-93  
-90.48 To 434.0 %

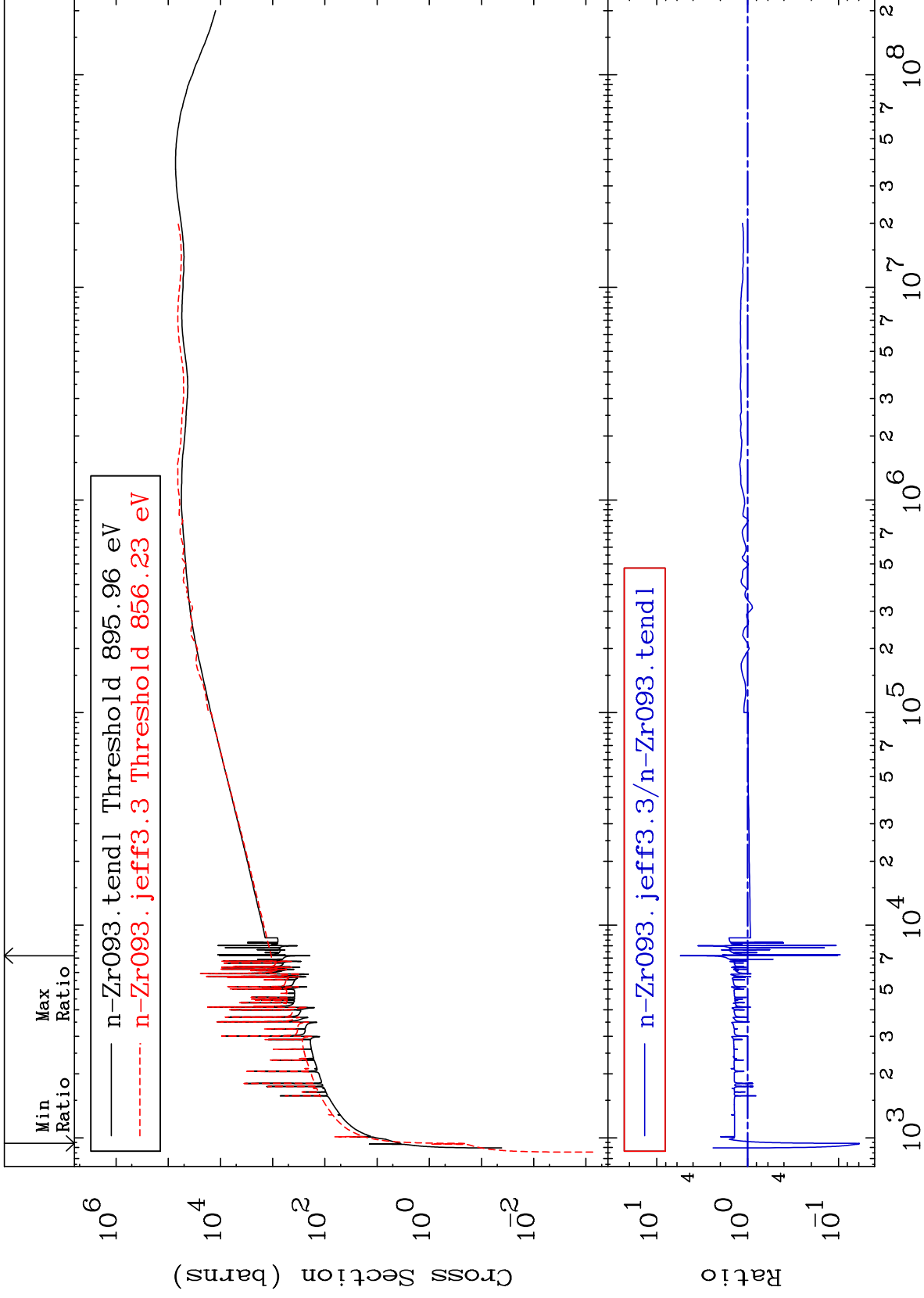




MAT 4034

Dpa elastic (mt2)  
Cross Section

40-Zr-93  
-94.11 To 451.1 %



57

Incident Energy (eV)

40-Zr-93

MAT 4034

Dpa inelastic (mt51-91)  
Cross Section

40-Zr-93  
-66.48 To 30.88 %

