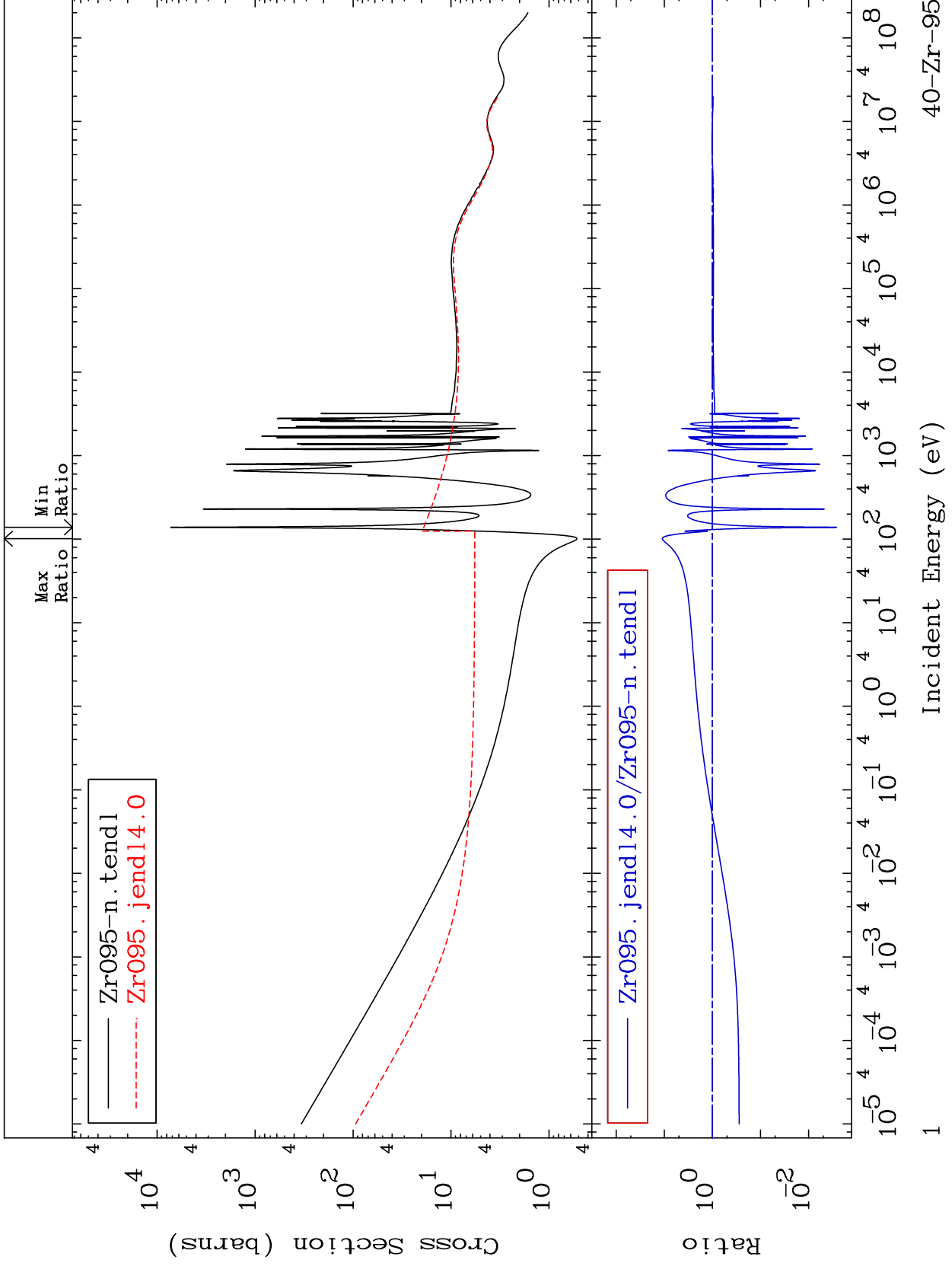


MAT 4040

Total  
Cross Section

40-Zr-95  
-99.74 To 1003. %

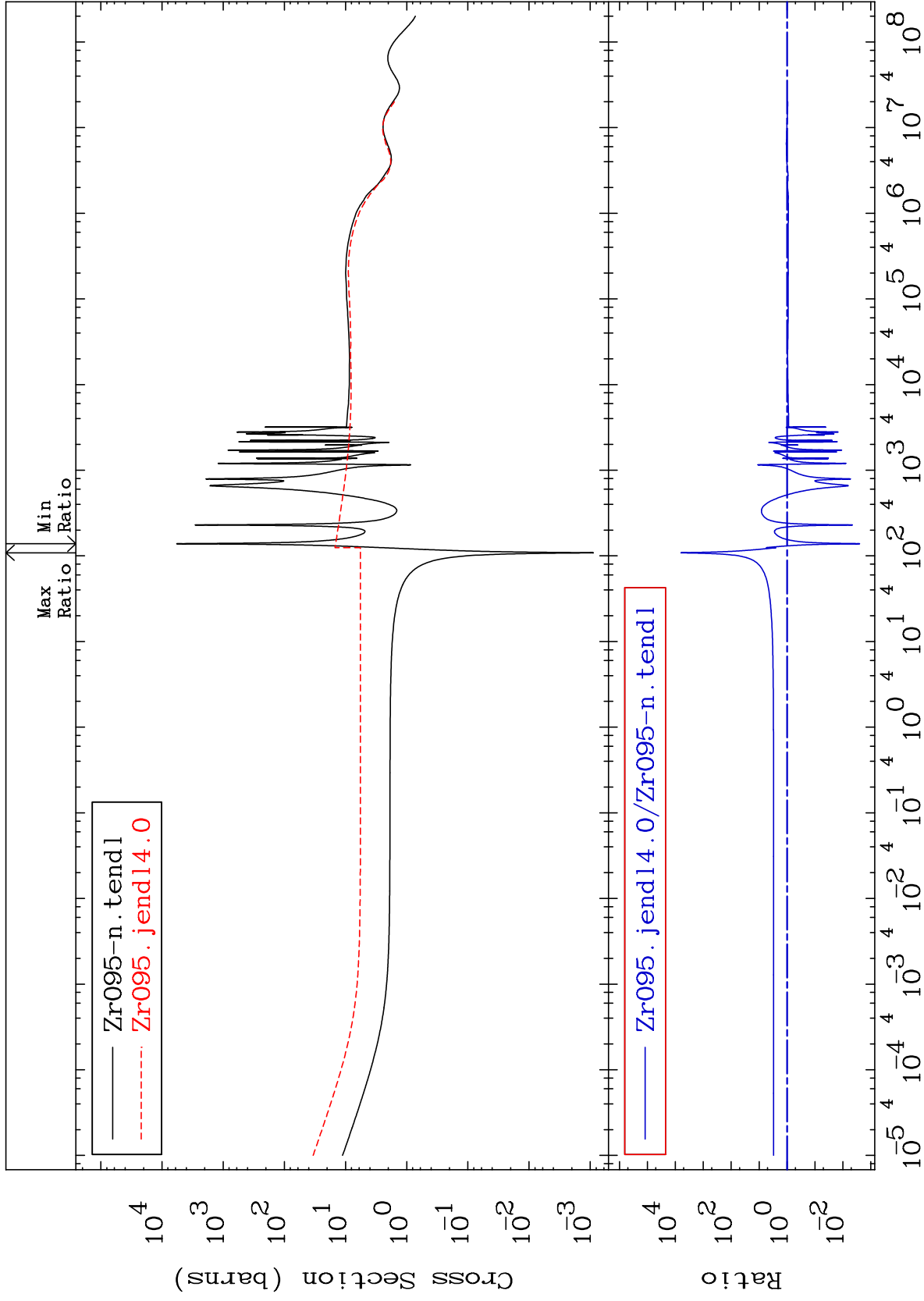


40-Zr-95

MAT 4040

Elastic  
Cross Section

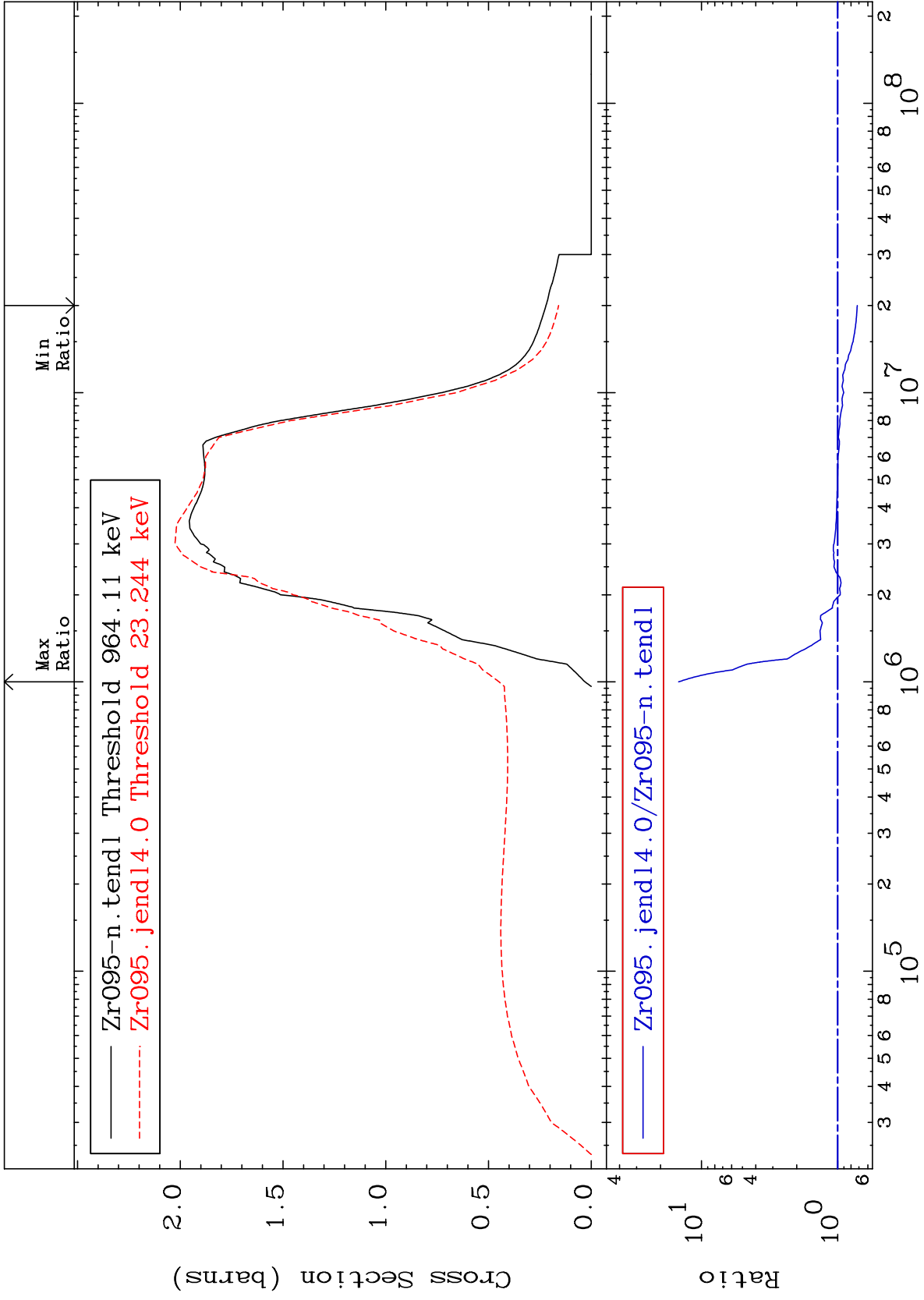
40-Zr-95  
-99.75 To 9999. %



MAT 4040

Inelastic  
Cross Section

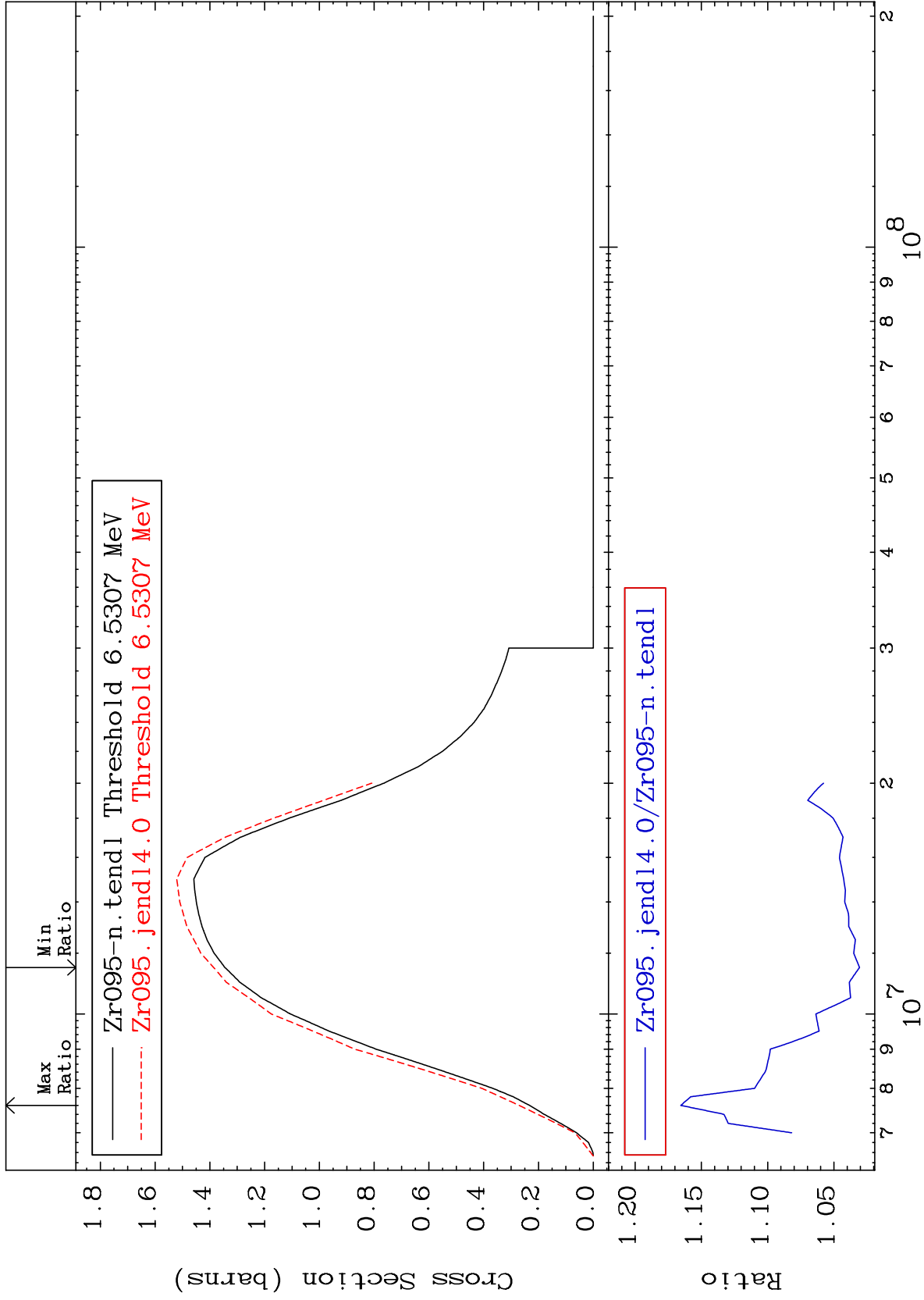
40-Zr-95  
-28.11 To 1372. %



MAT 4040

(n,2n)  
Cross Section

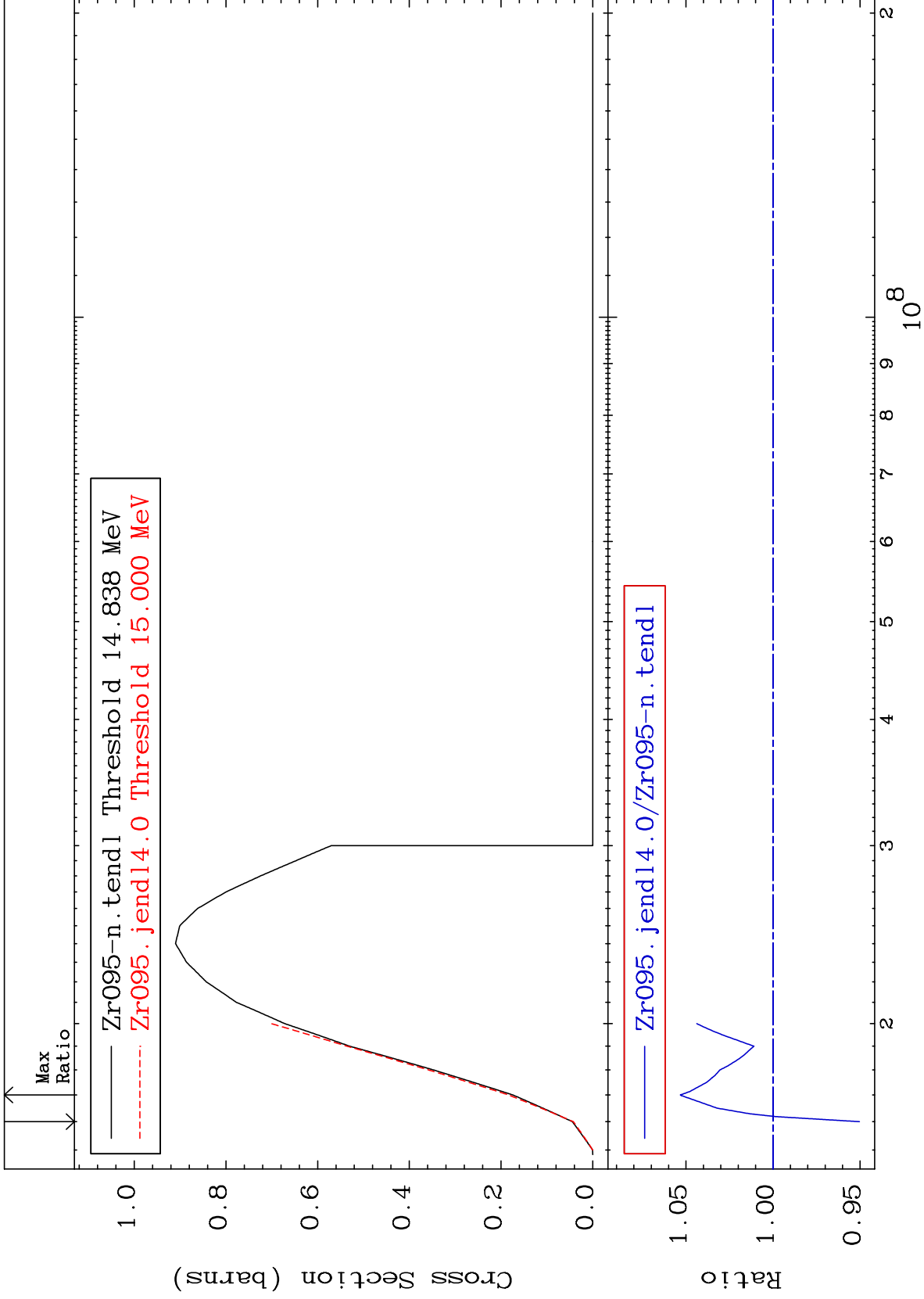
40-Zr-95  
3.068 To 16.56 %



MAT 4040

(n,3n)  
Cross Section

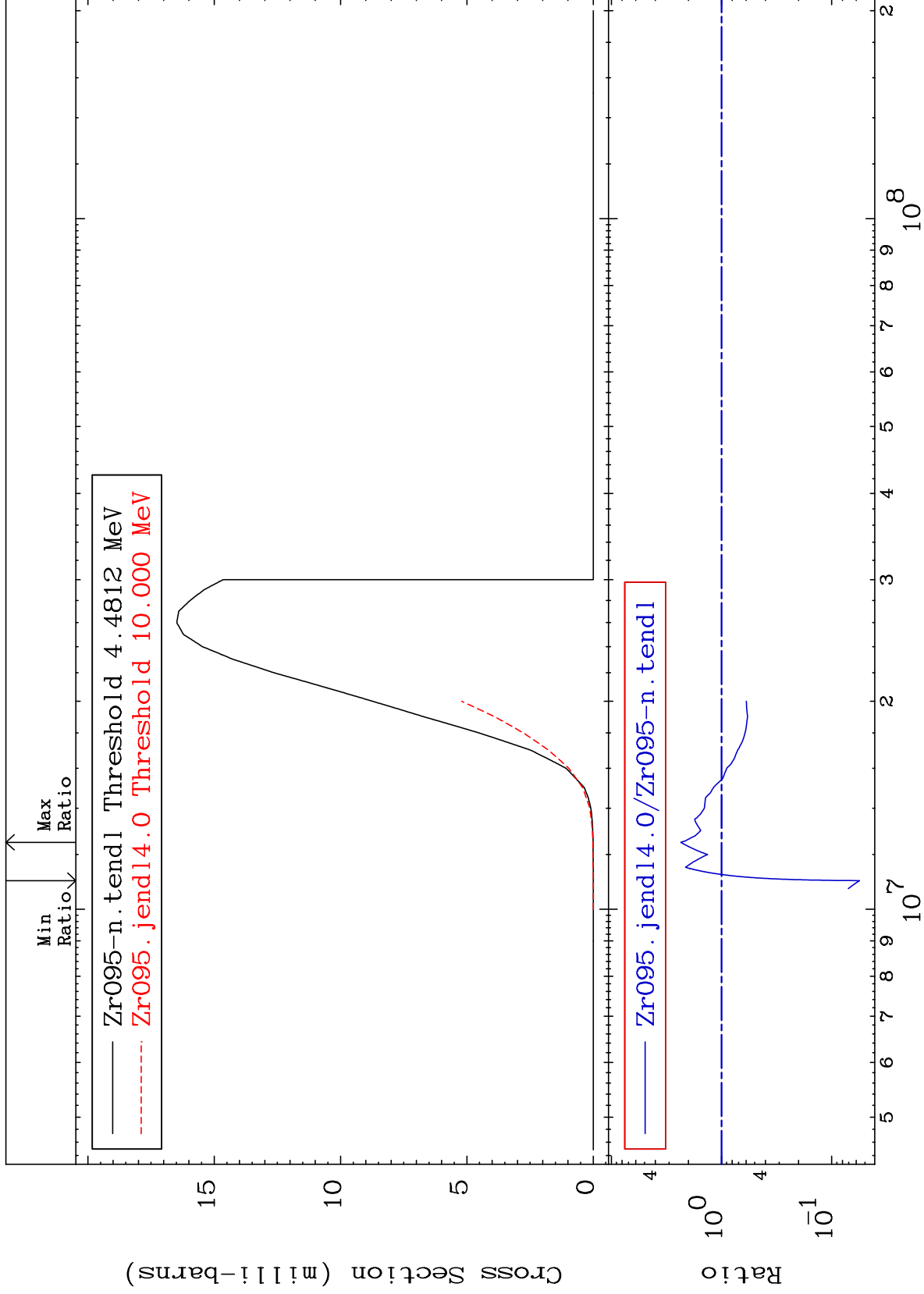
40-Zr-95  
-4.968 To 5.325 %



MAT 4040

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

40-Zr-95  
-94.41 To 134.5 %



6

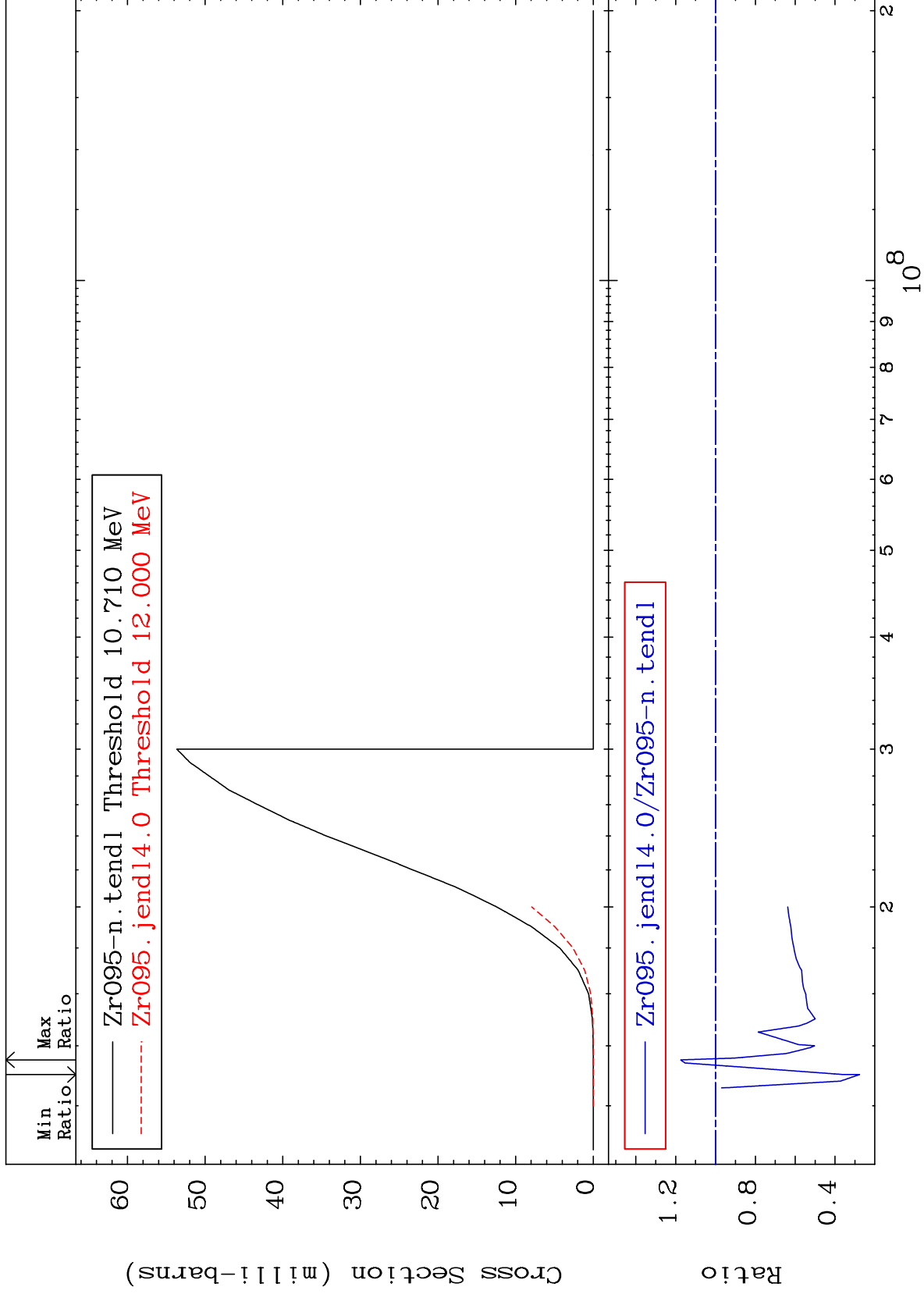
Incident Energy (eV)

40-Zr-95

MAT 4040

(n,n') p  
Cross Section

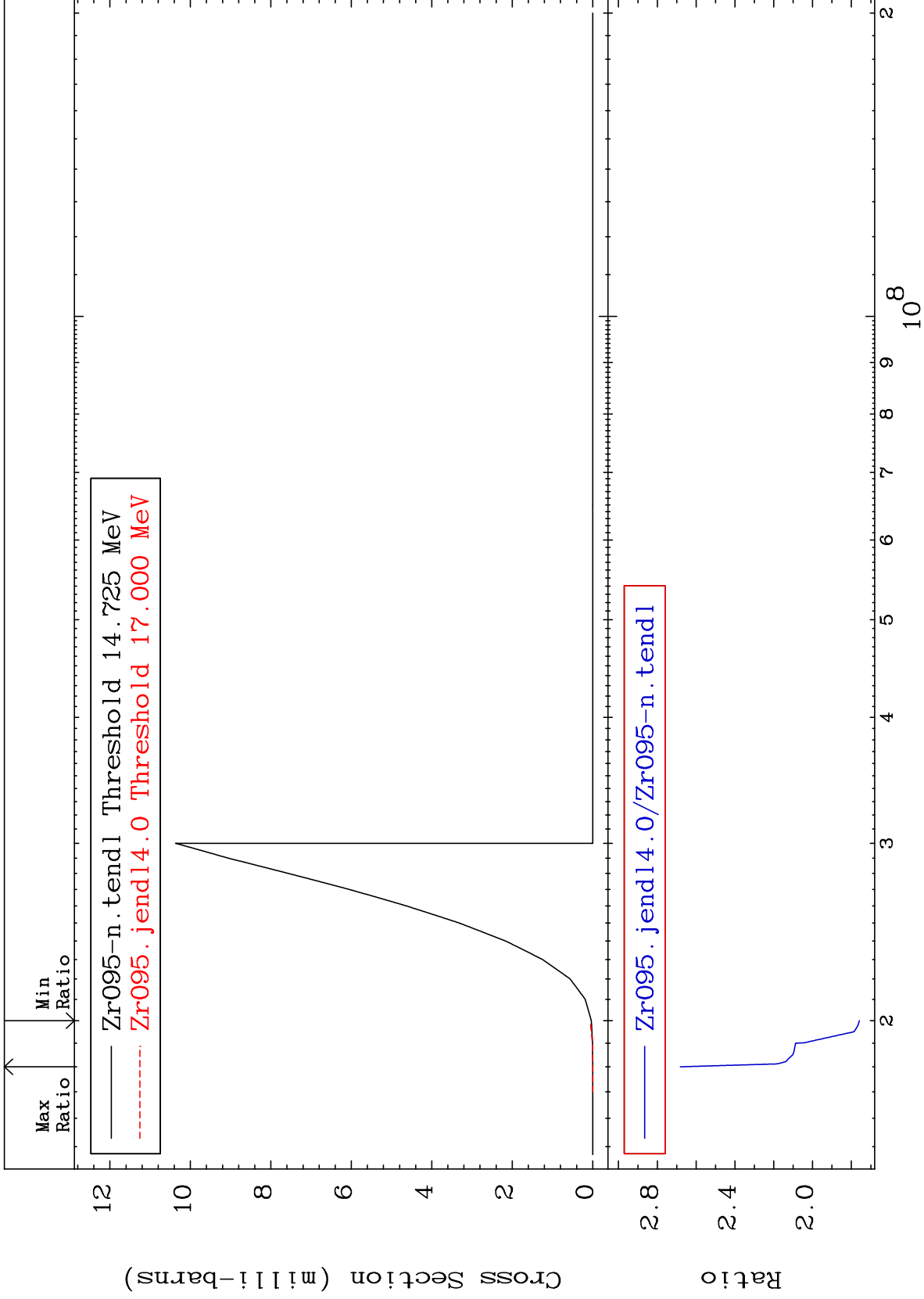
40-Zr-95  
-72.28 To 17.42 %



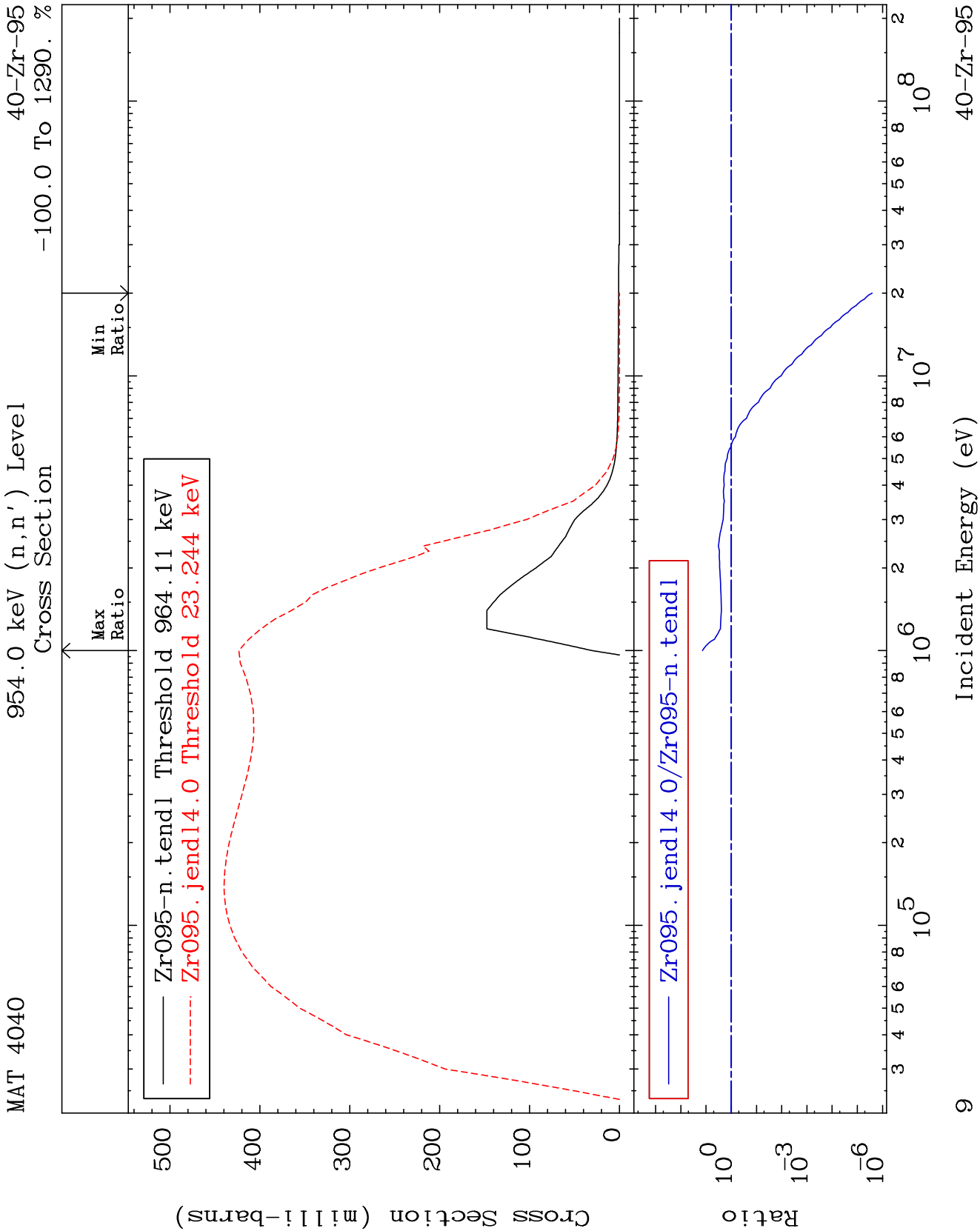
MAT 4040

(n,n') d  
Cross Section

40-Zr-95  
75.85 To 168.1 %



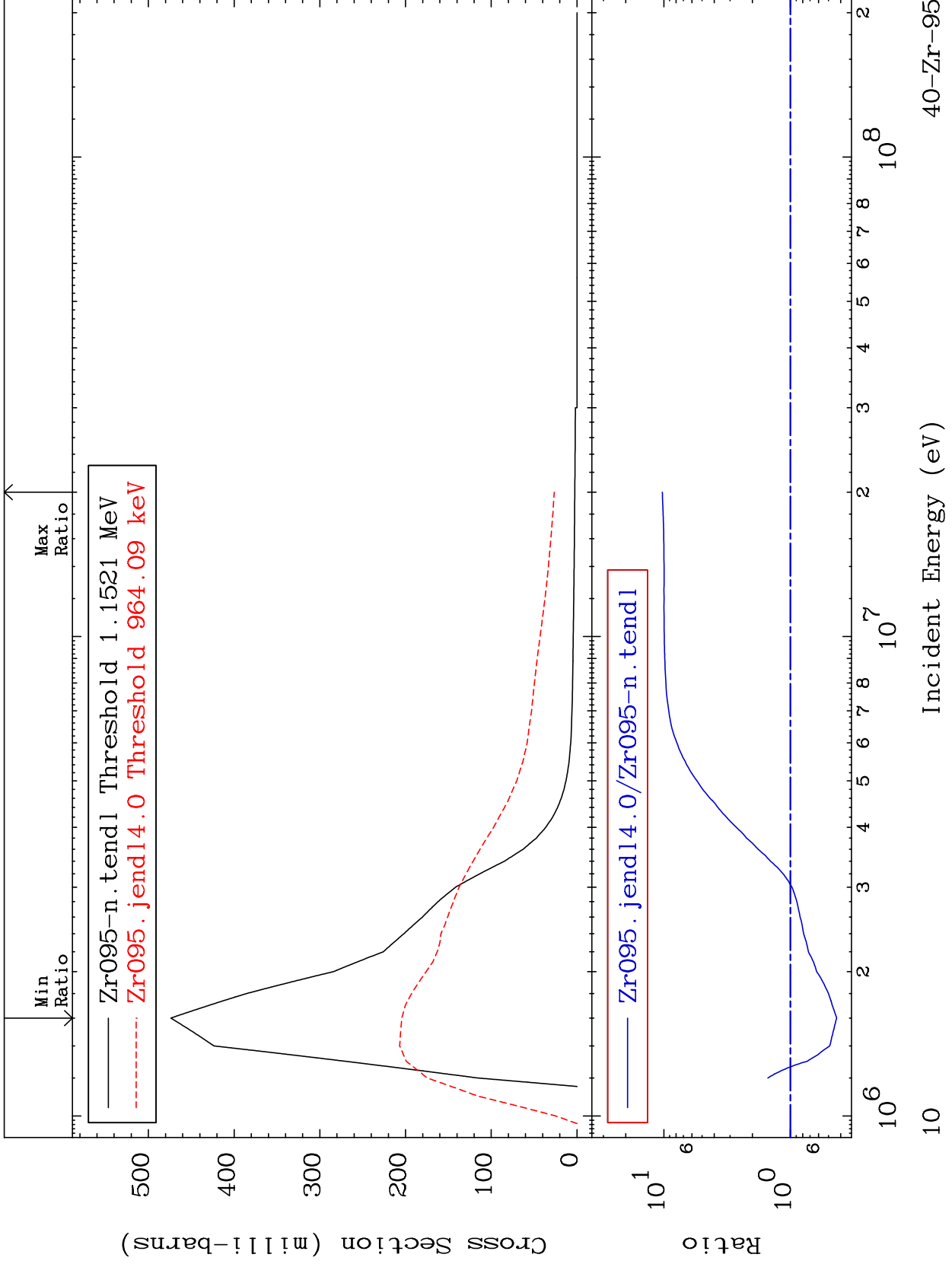


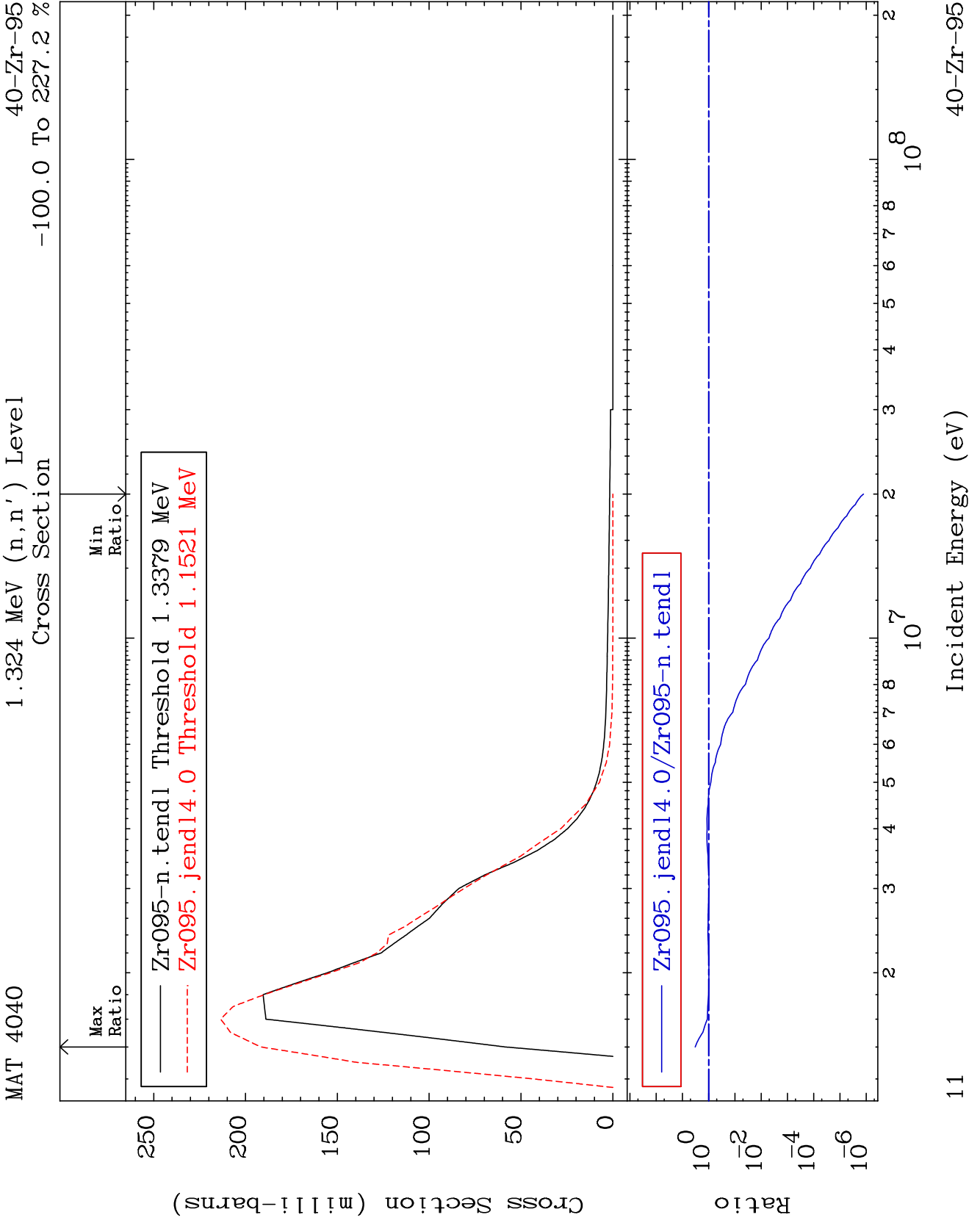


MAT 4040

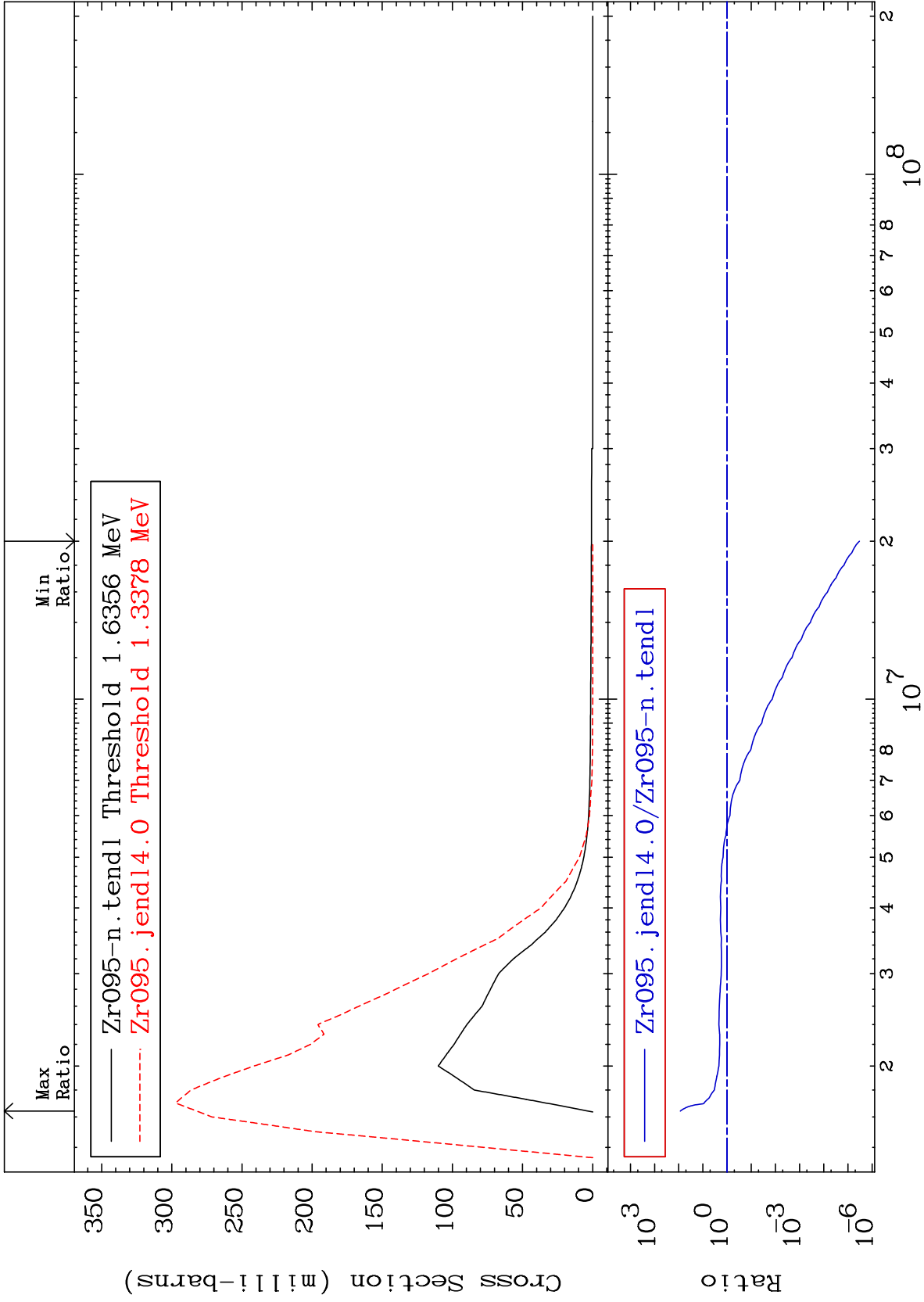
1.140 MeV (n,n') Level  
Cross Section

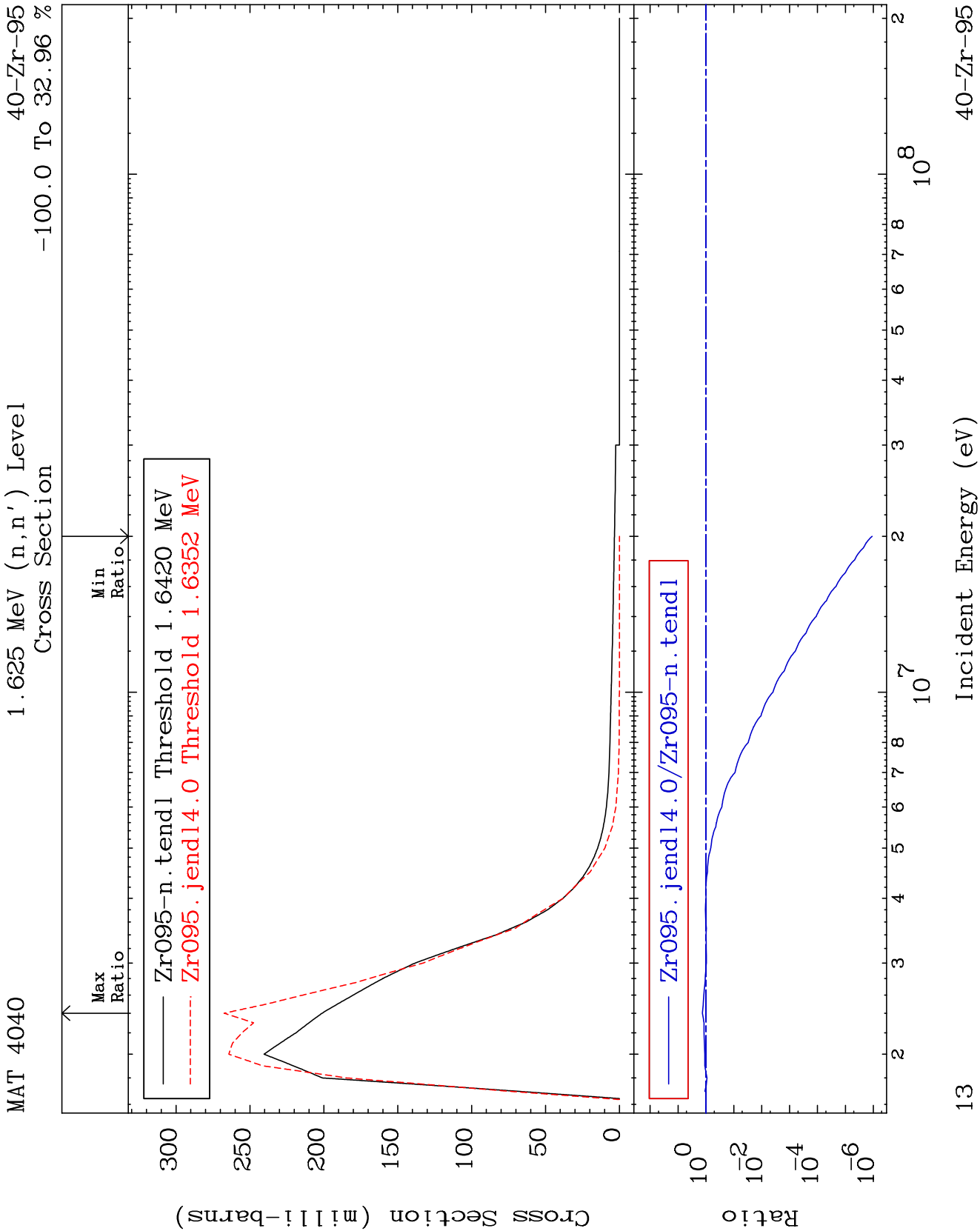
40-Zr-95  
-56.89 To 928.8 %





MAT 4040      1.618 MeV (n,n') Level      40-Zr-95  
 Cross Section      -100.0 To 8475. %

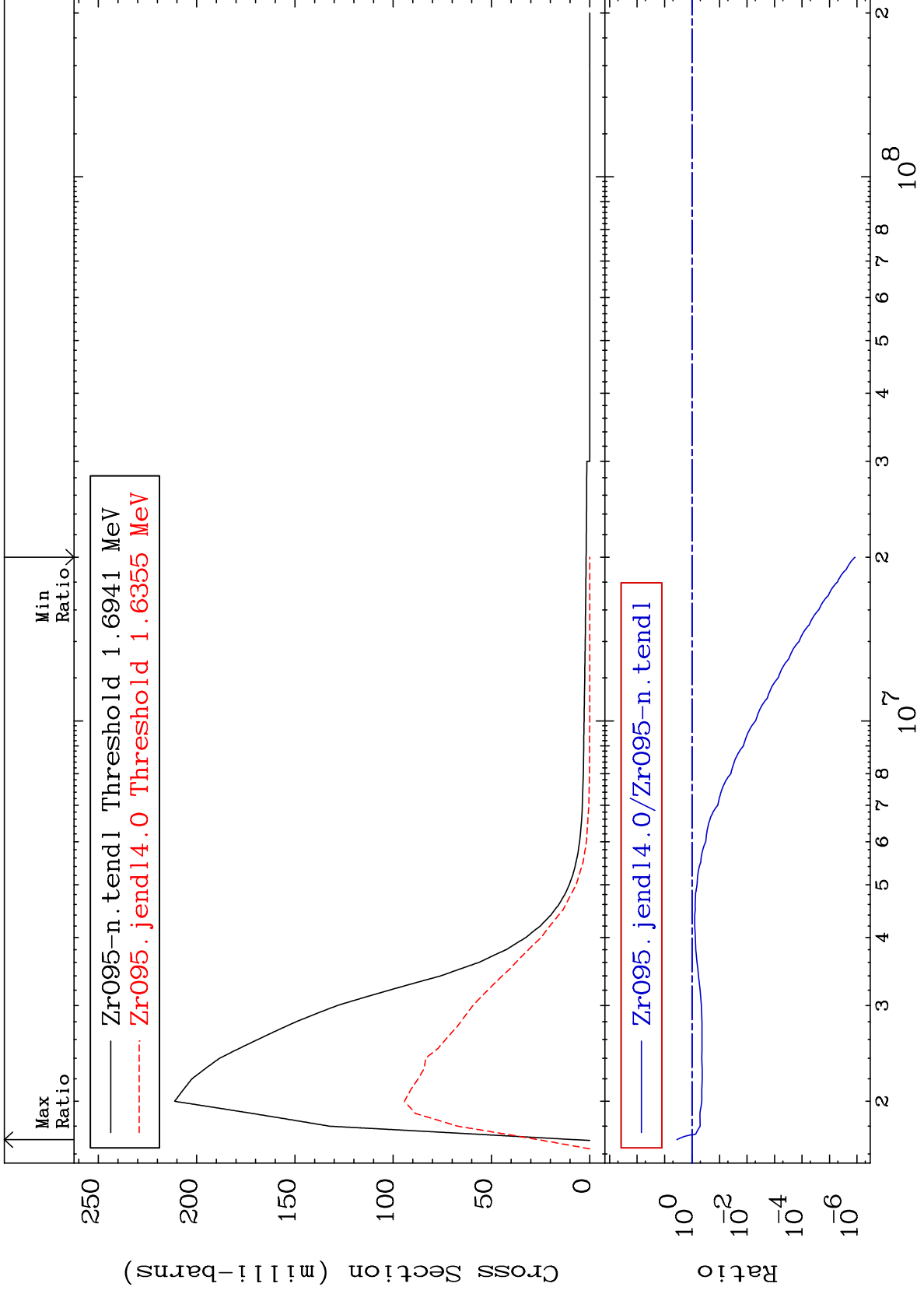




MAT 4040

1.676 MeV (n,n') Level  
Cross Section

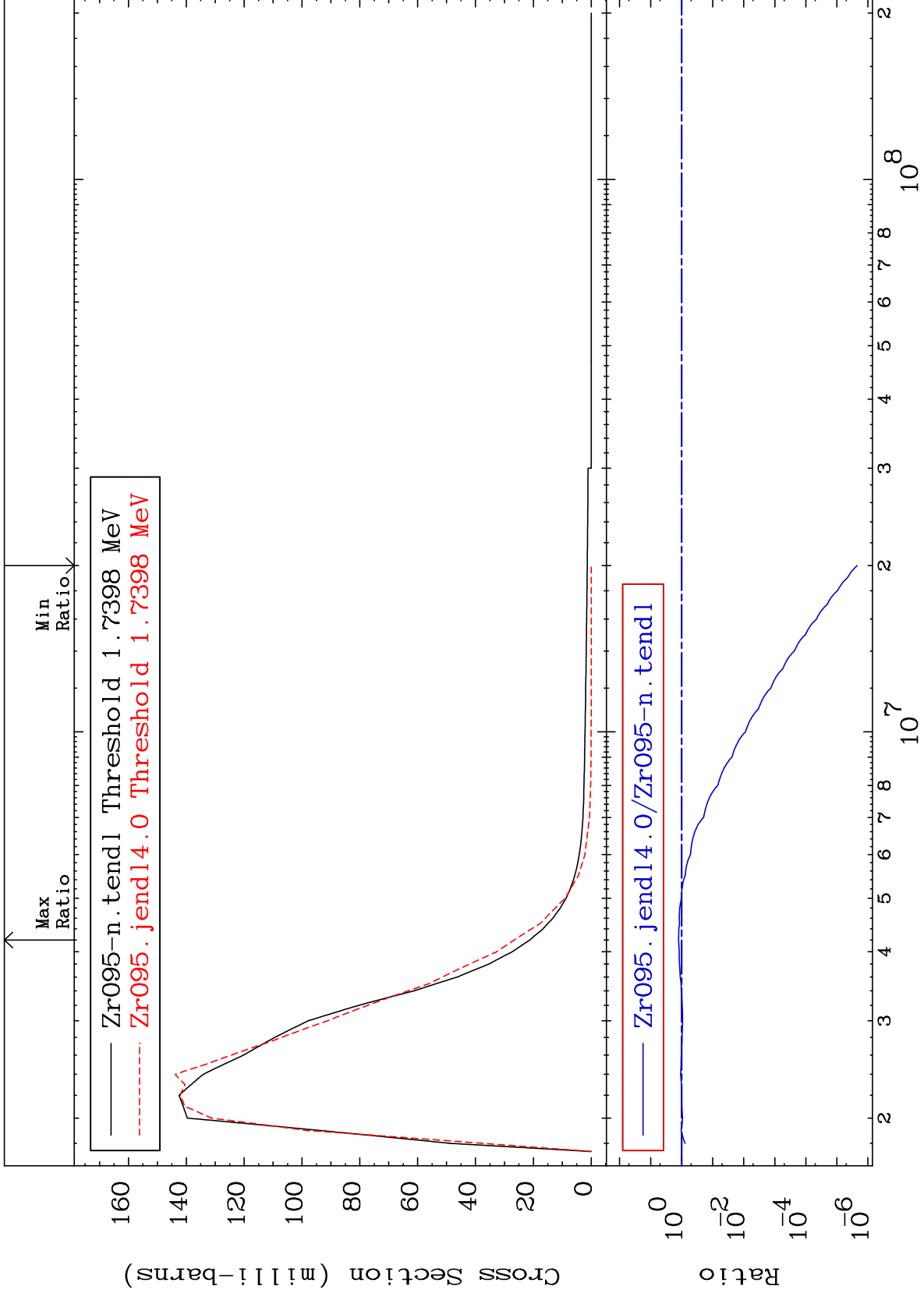
40-Zr-95  
-100.0 To 255.5 %



MAT 4040

1.722 MeV (n,n') Level  
Cross Section

40-Zr-95  
-100.0 To 25.37 %



15

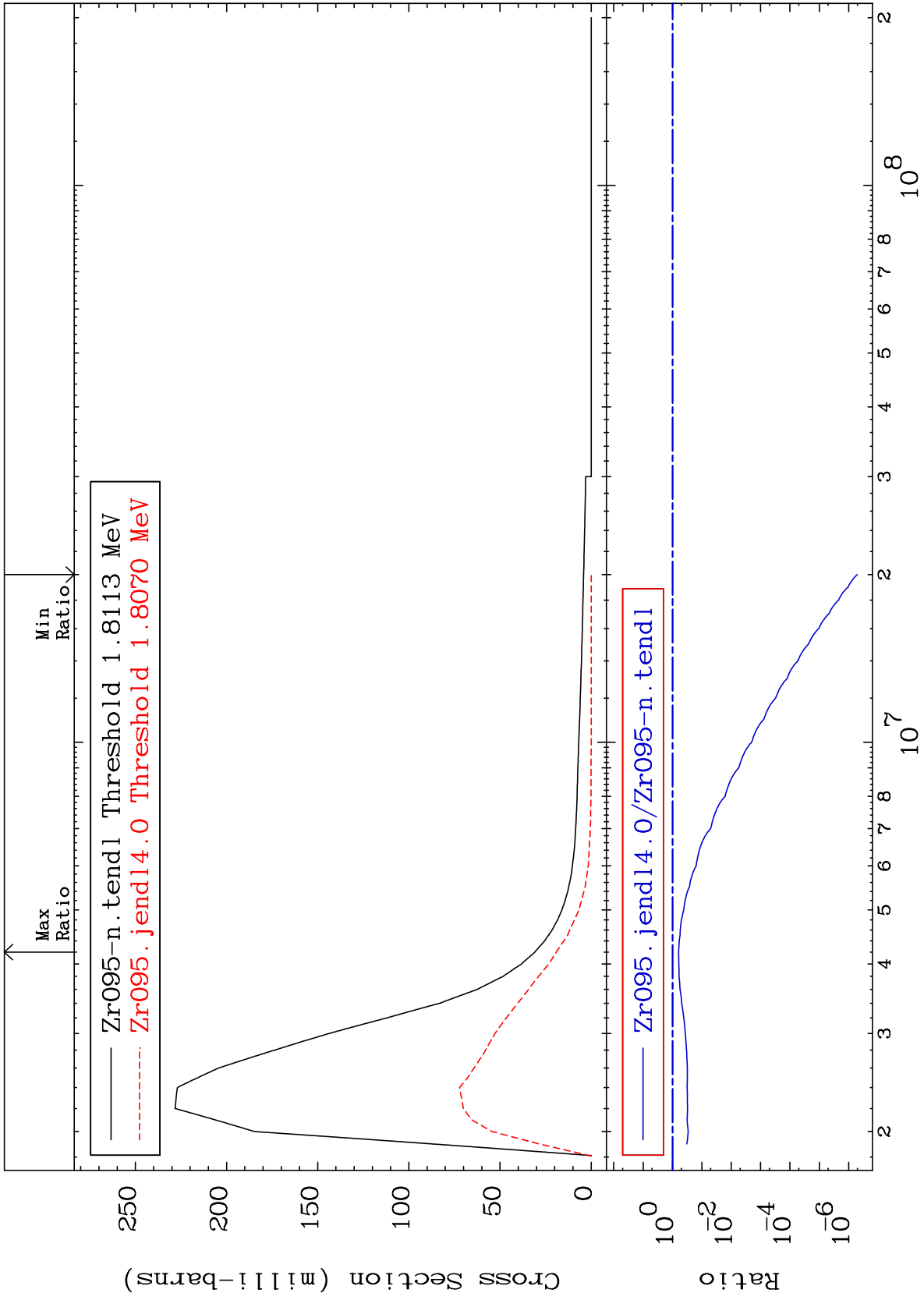
Incident Energy (eV)

40-Zr-95

MAT 4040

1.792 MeV (n,n') Level  
Cross Section

40-Zr-95  
-100.0 To -38.12%



16

Incident Energy (eV)

40-Zr-95

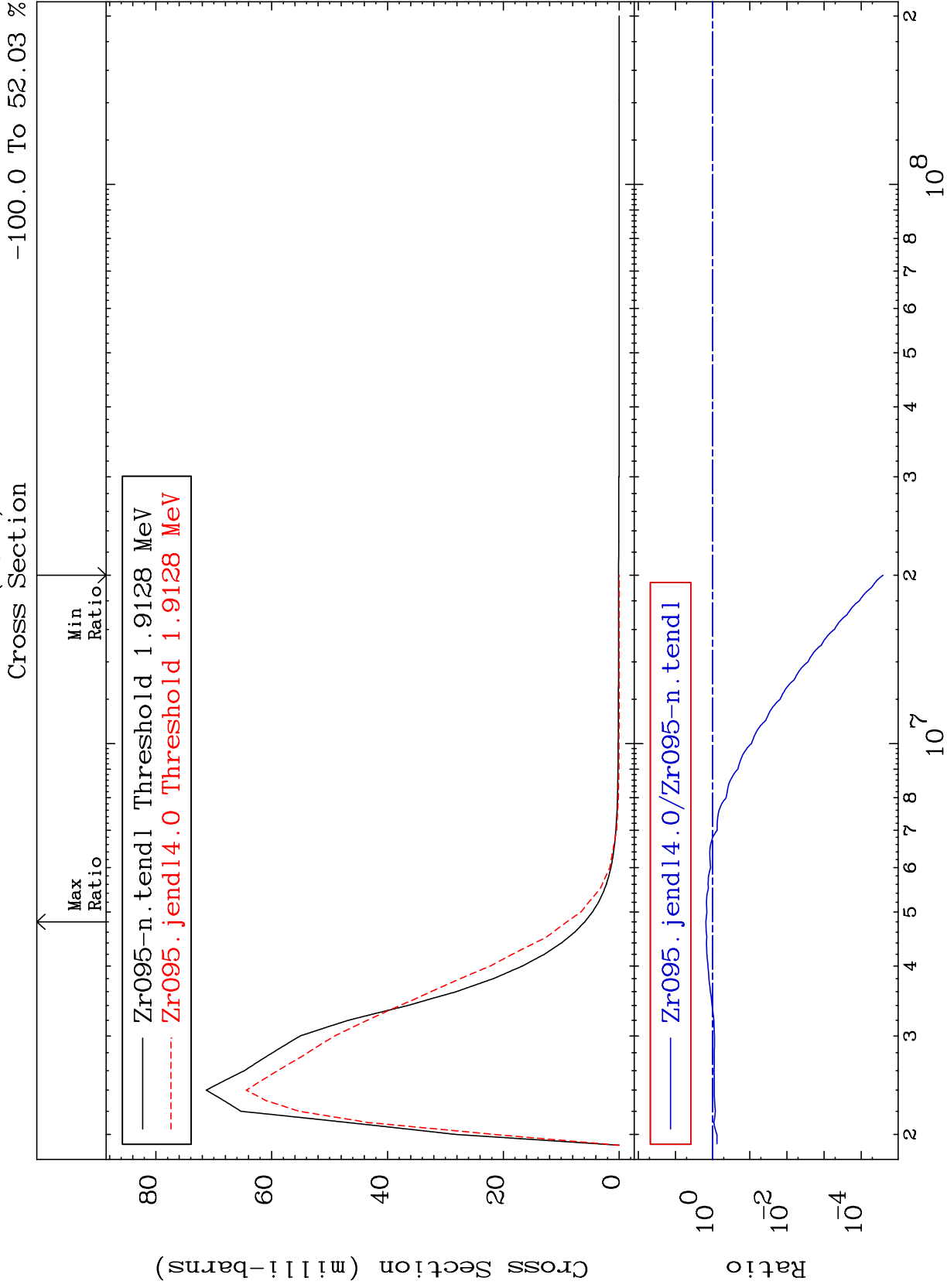


MAT 4040

1.893 MeV (n,n') Level

40-Zr-95

-100.0 To 52.03 %



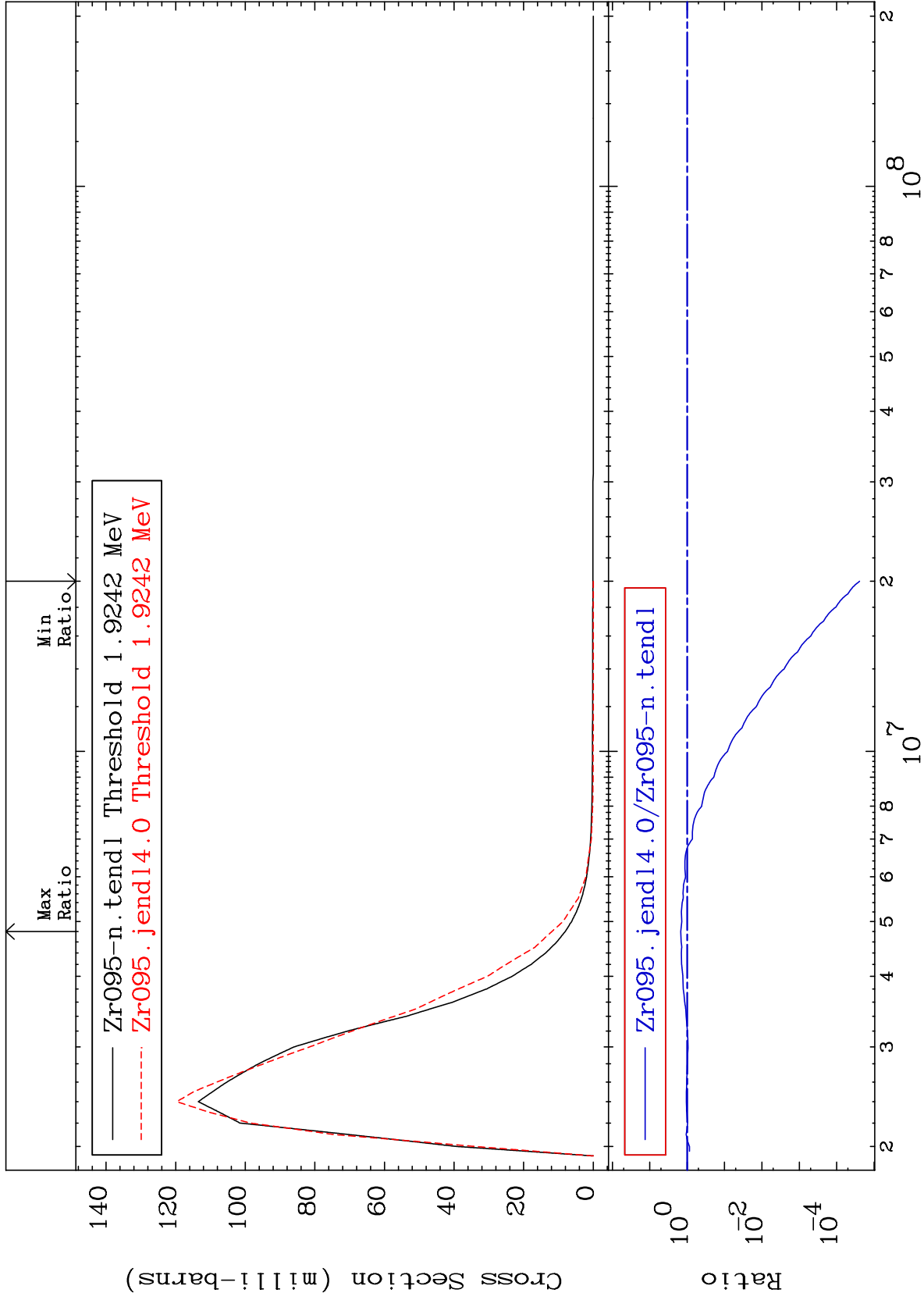
MAT 4040

1.904 MeV (n,n') Level

40-Zr-95

-100.0 To 47.86 %

Cross Section



18

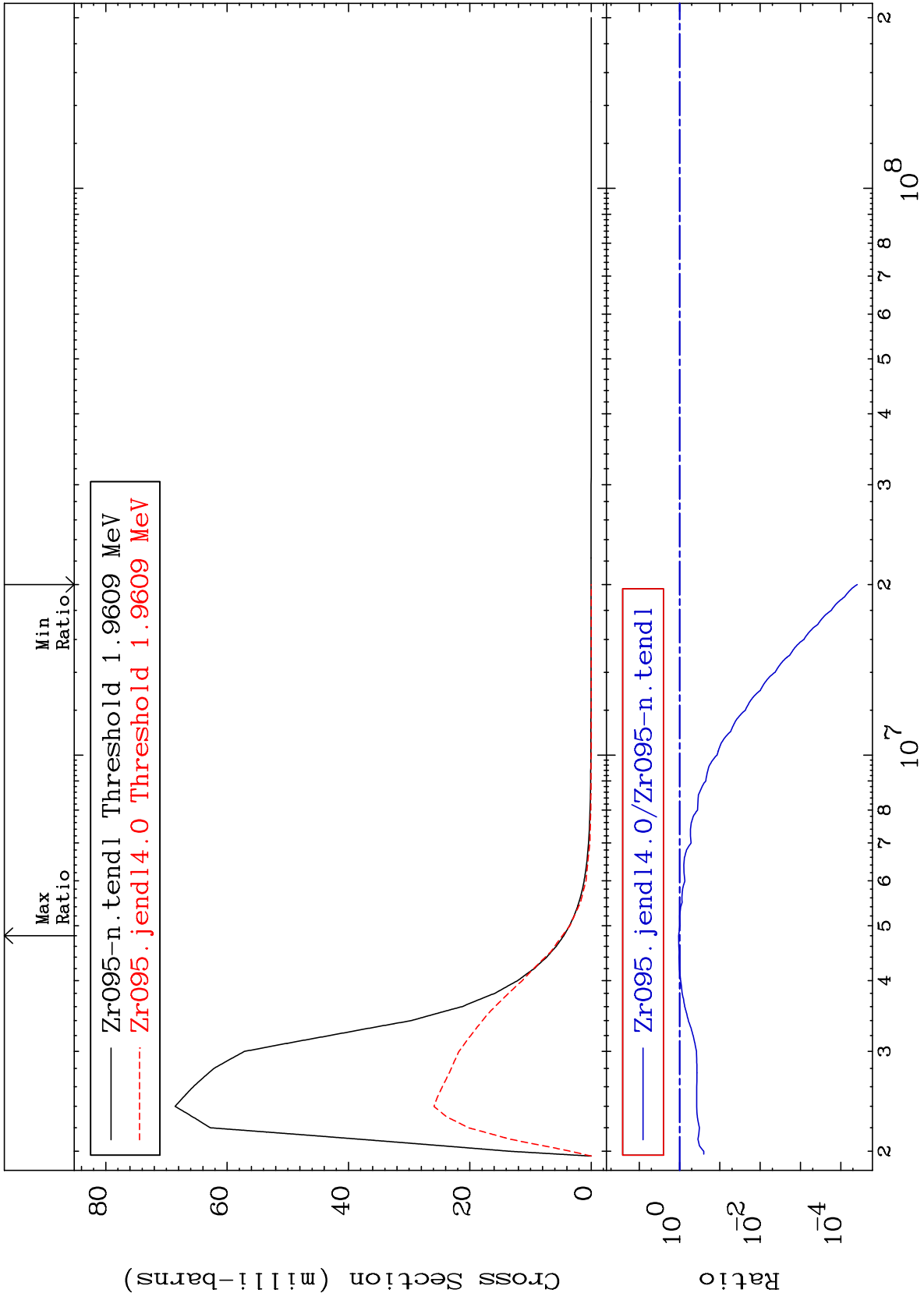
Incident Energy (eV)

40-Zr-95

MAT 4040

1.940 MeV (n,n') Level  
Cross Section

40-Zr-95  
-100.0 To 5.269 %



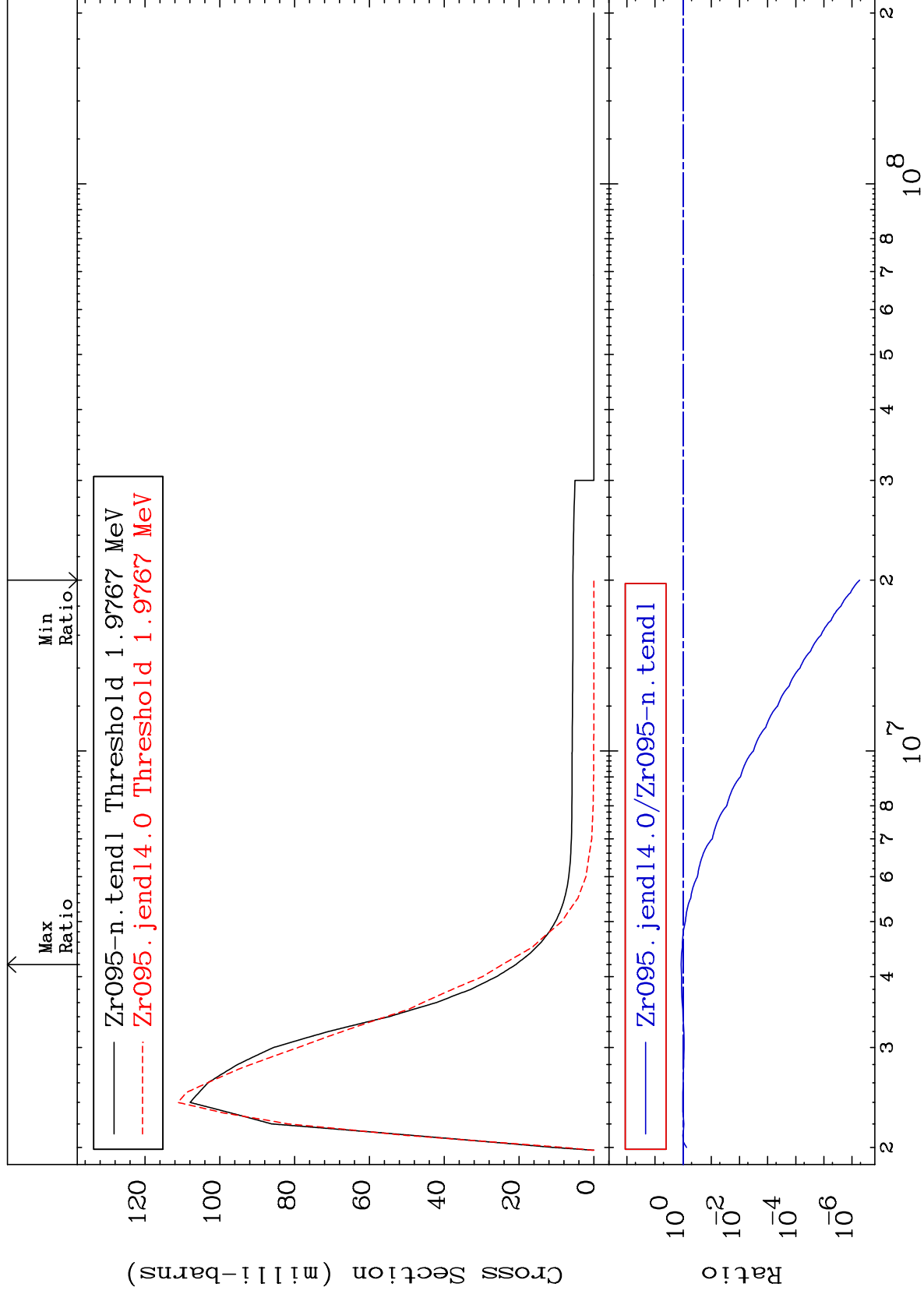
MAT 4040

1.956 MeV (n,n') Level

40-Zr-95

-100.0 To 17.50 %

Cross Section

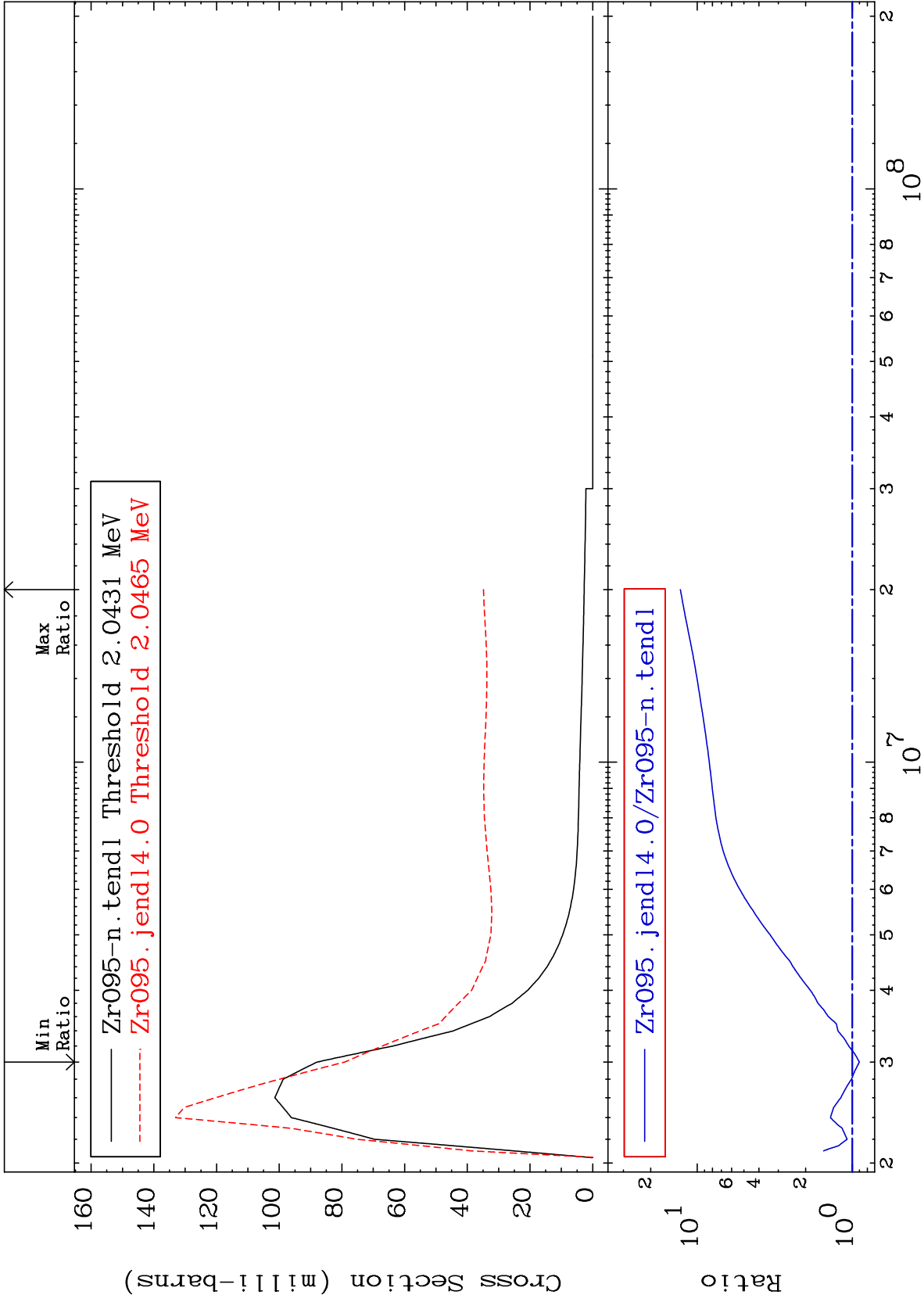


20

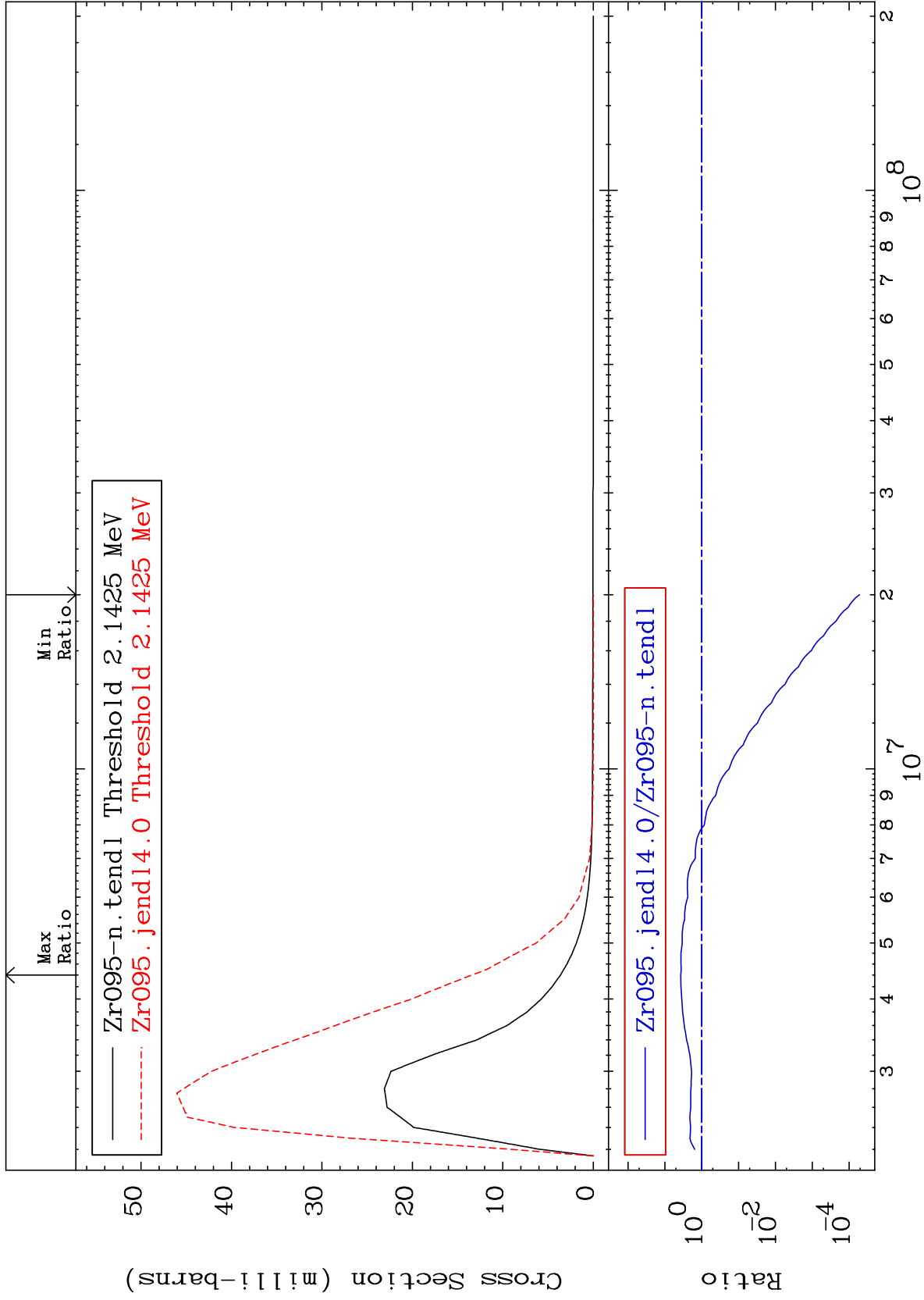
Incident Energy (eV)

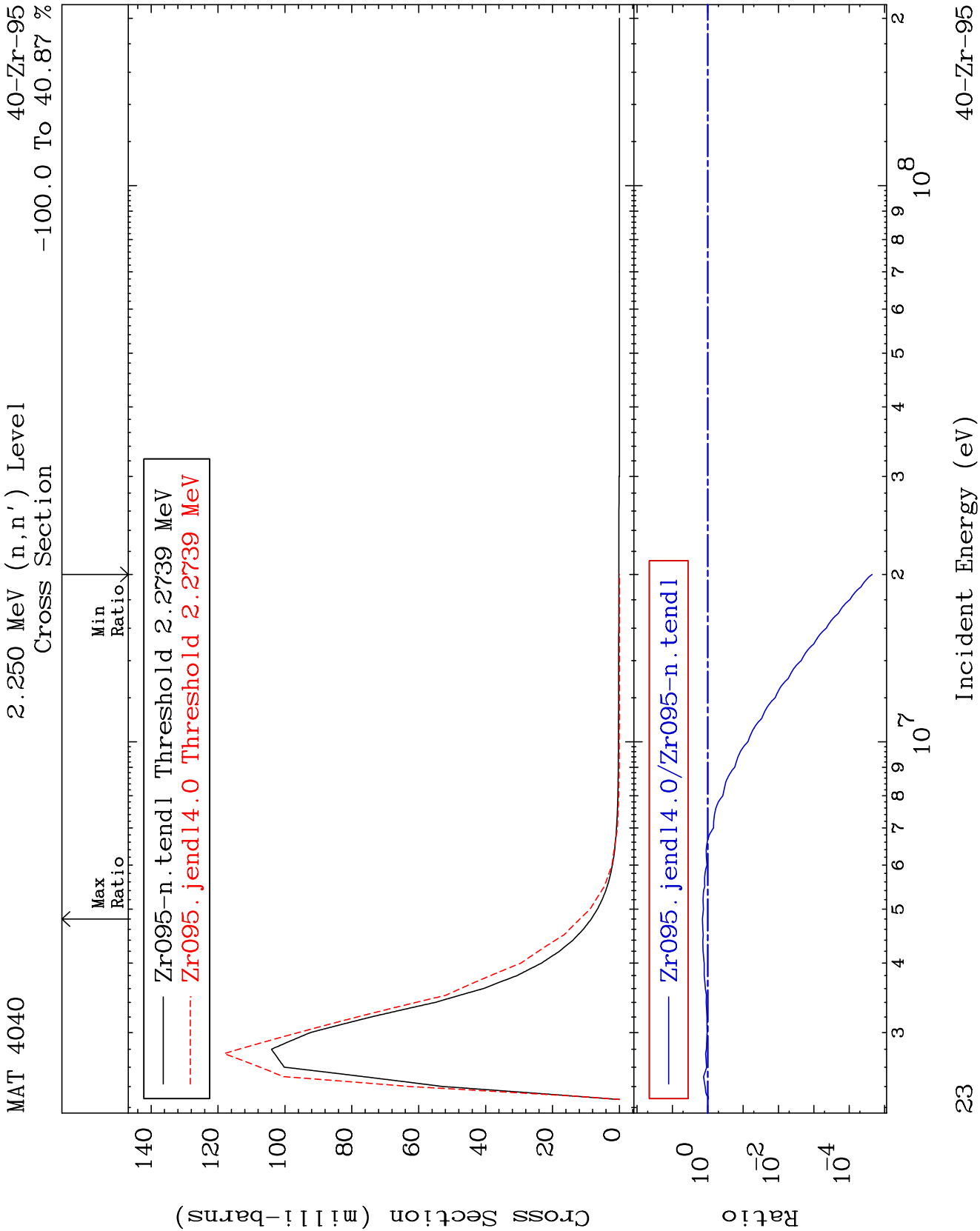
40-Zr-95

MAT 4040      2.022 MeV (n,n') Level      40-Zr-95  
 Cross Section      -10.03 To 1186. %



MAT 4040      2.120 MeV (n,n') Level      40-Zr-95  
 Cross Section      -99.99 To 270.2 %

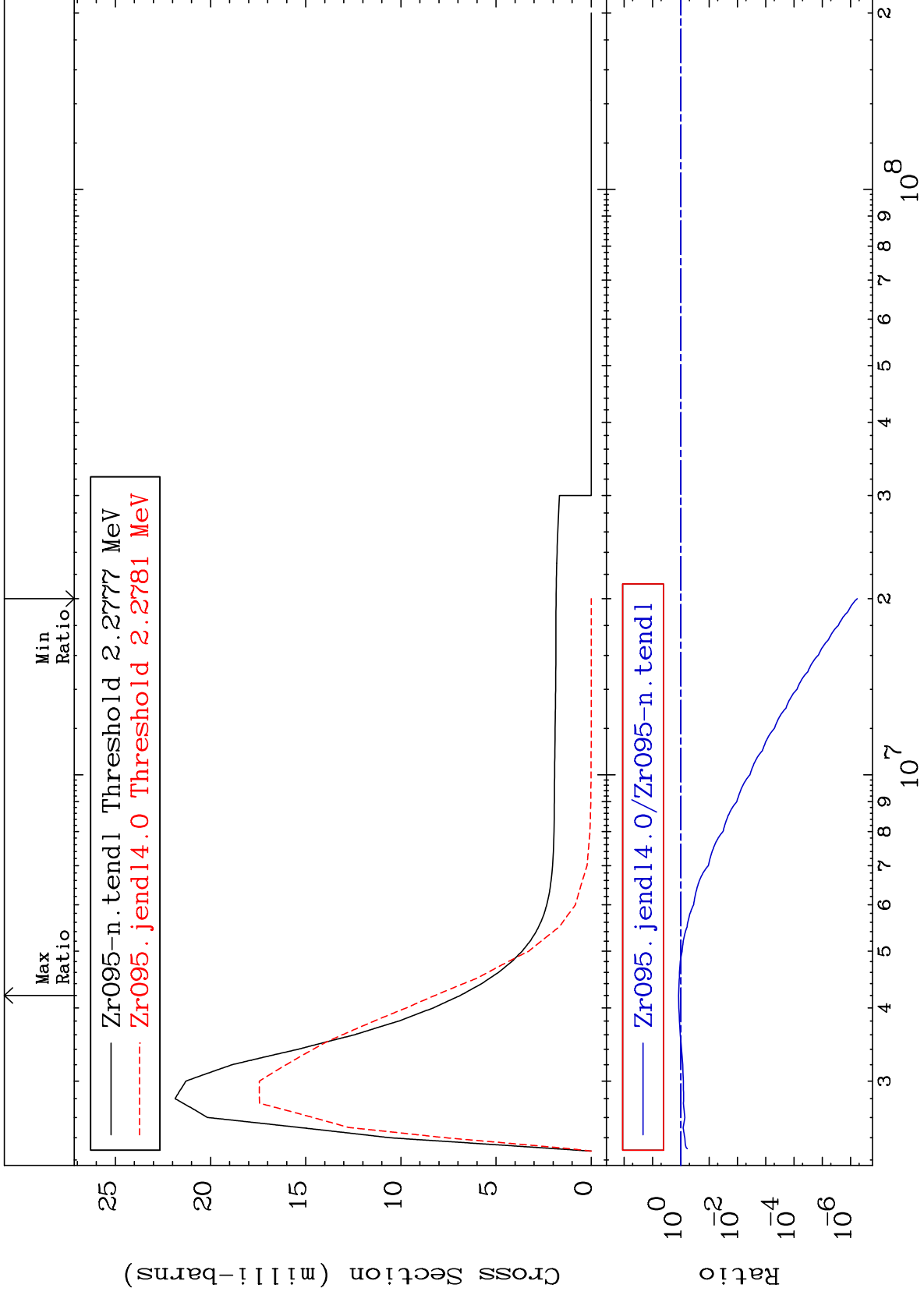




MAT 4040

2.254 MeV (n,n') Level  
Cross Section

40-Zr-95  
-100.0 To 19.45 %





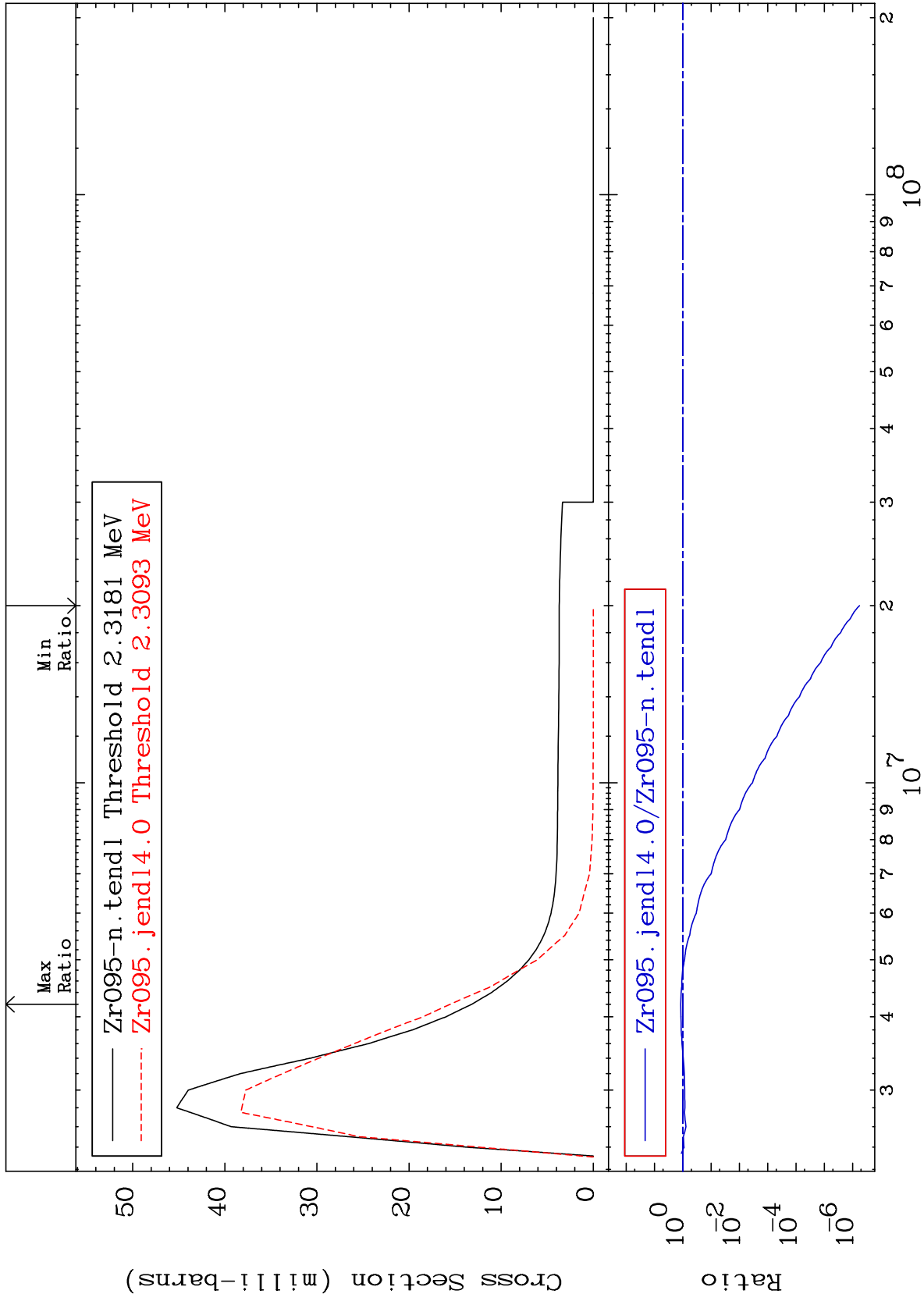
MAT 4040

2.294 MeV (n,n') Level

40-Zr-95

-100.0 To 17.71 %

Cross Section



25

40-Zr-95

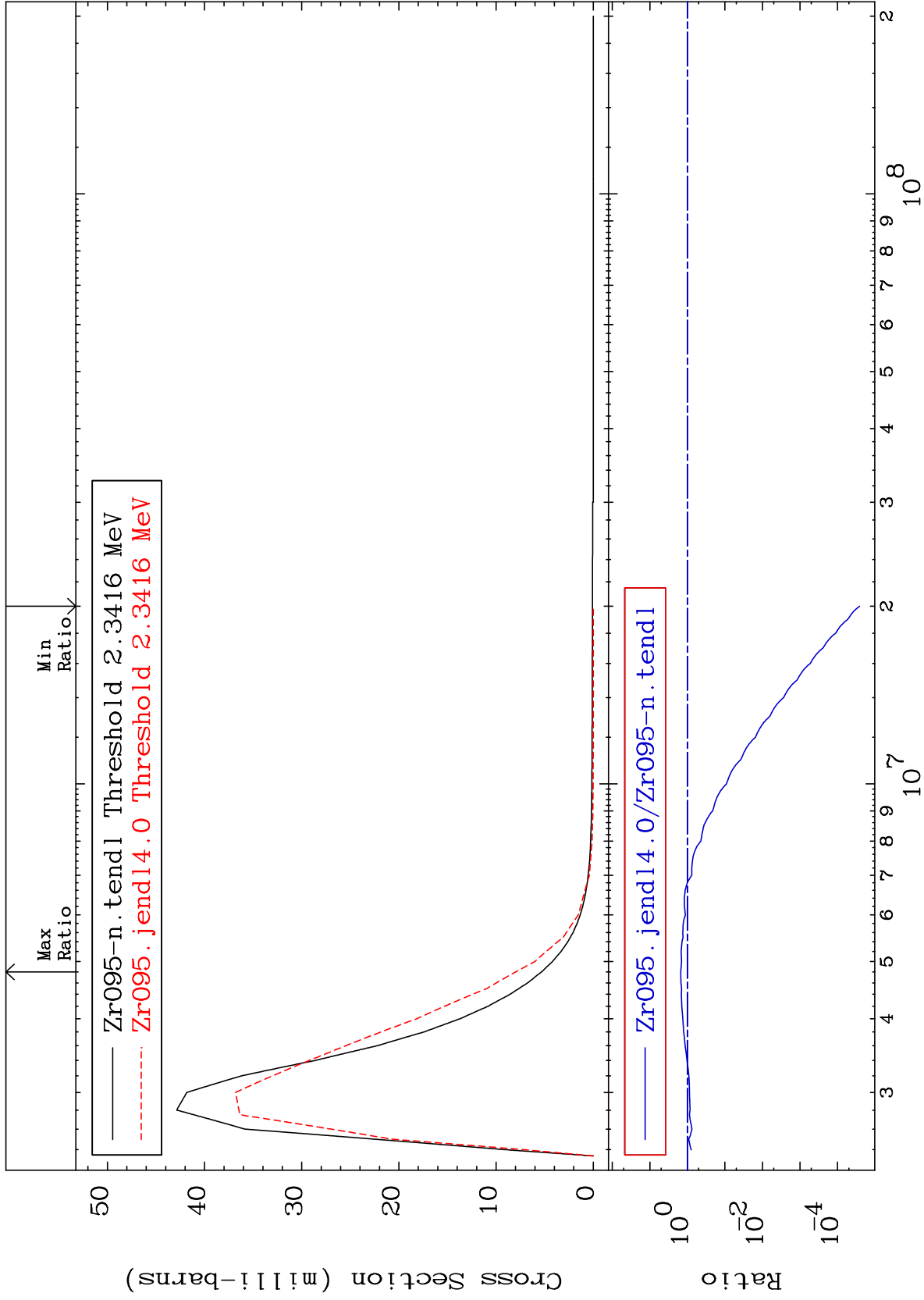
MAT 4040

2.317 MeV (n,n') Level

40-Zr-95

-100.0 To 50.07 %

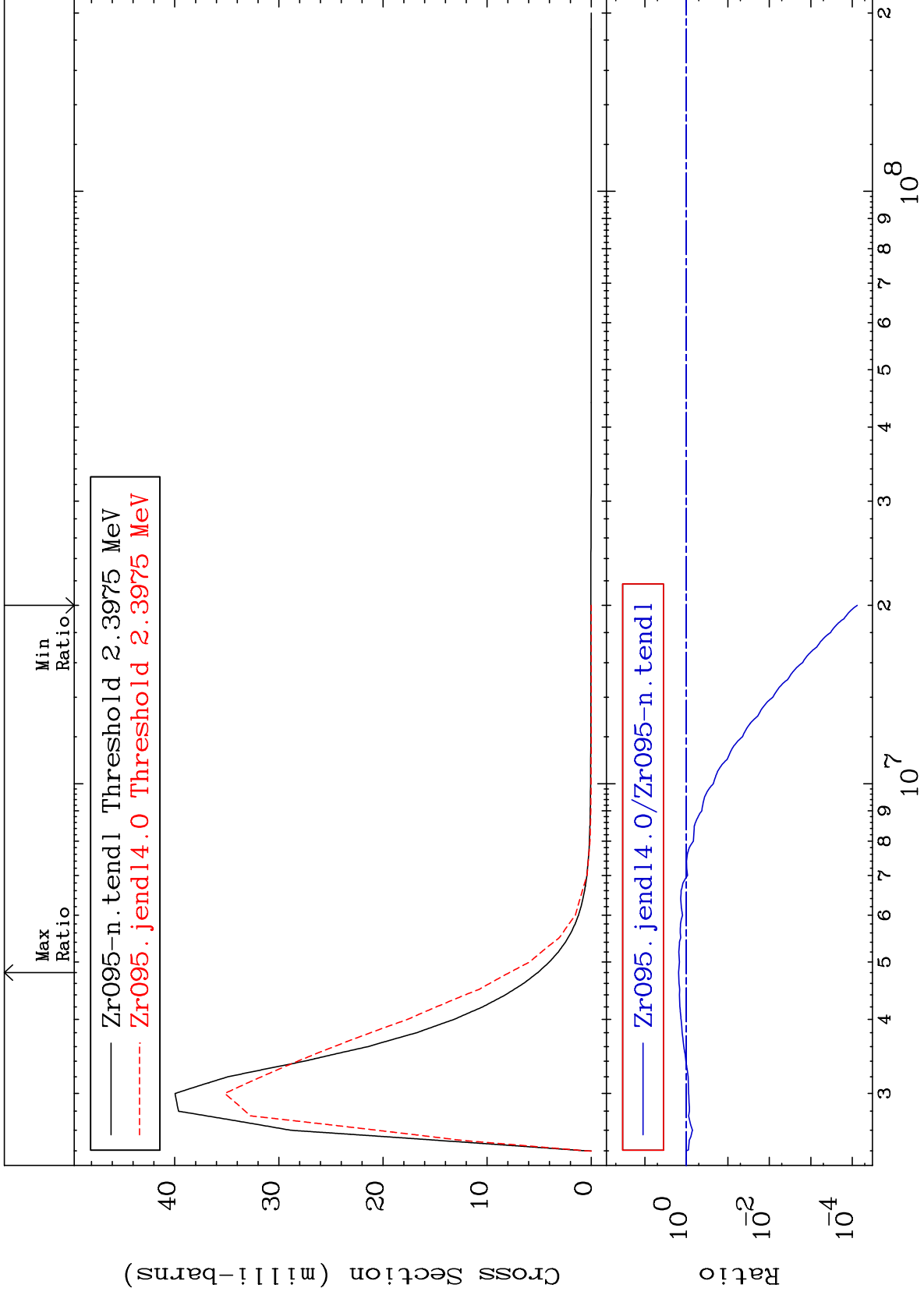
Cross Section



MAT 4040

2.372 MeV (n,n') Level  
Cross Section

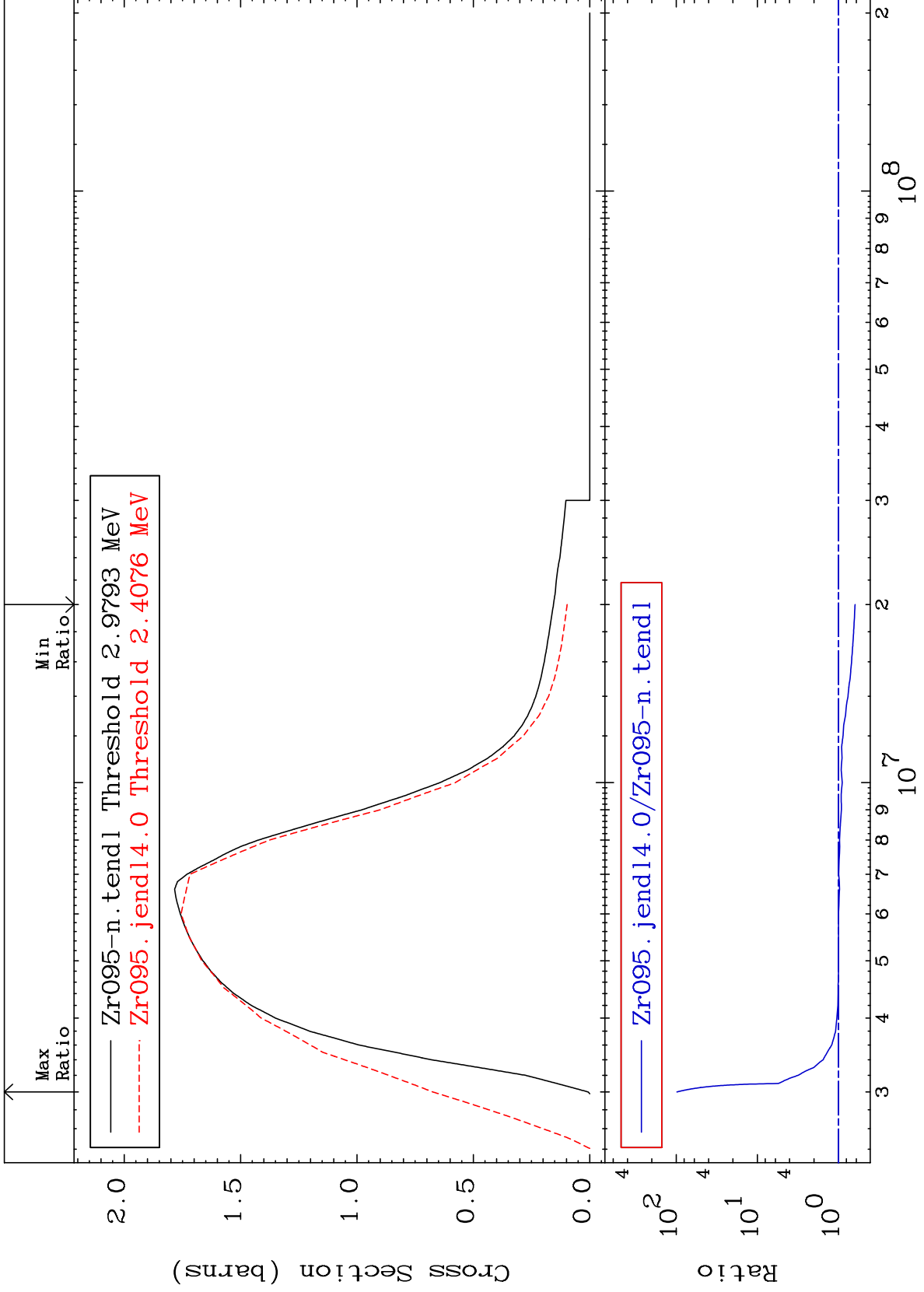
40-Zr-95  
-99.99 To 53.32 %



MAT 4040

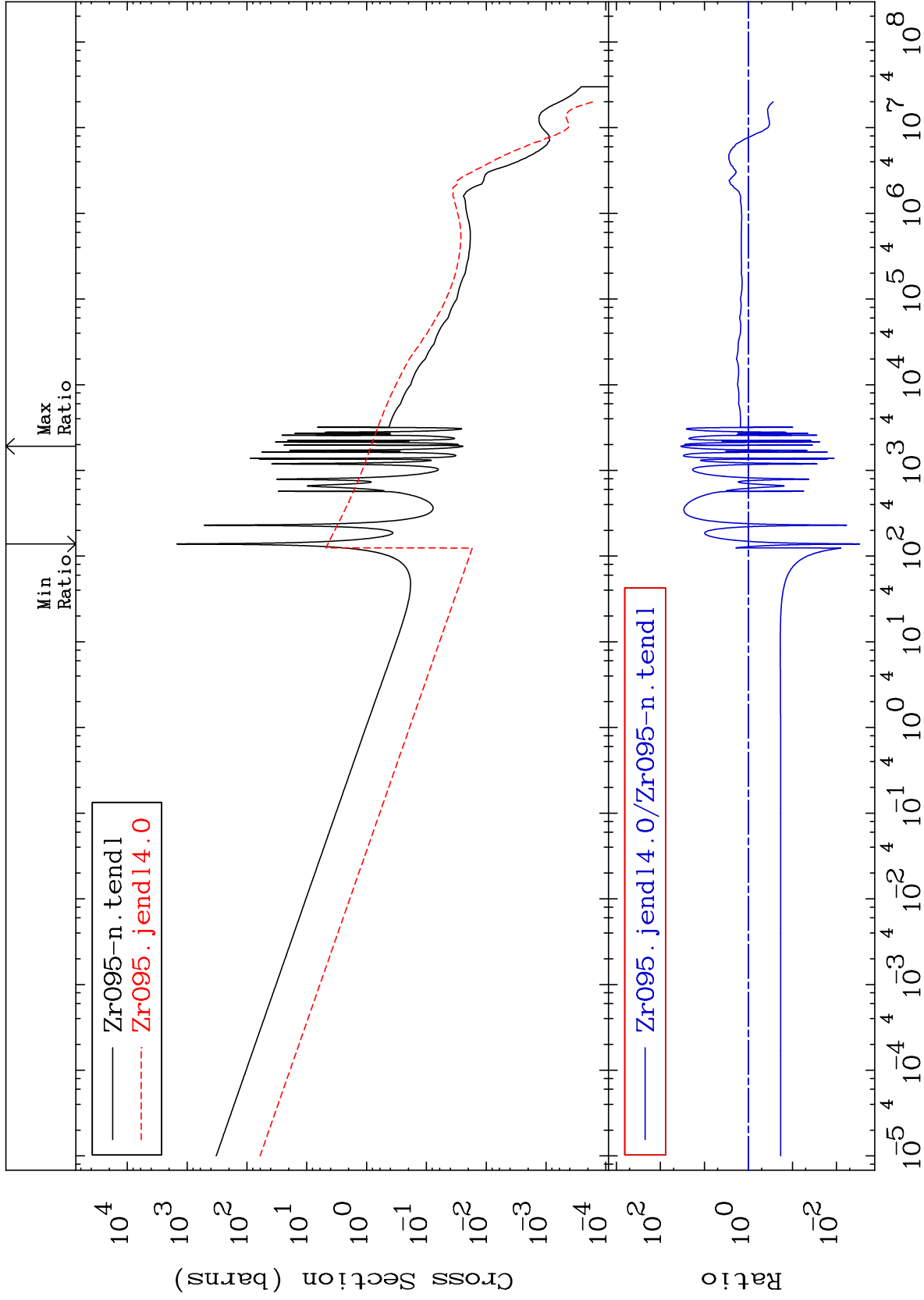
(n, n') Continuum  
Cross Section

40-Zr-95  
-37.68 To 9710. %



MAT 4040

(n,  $\gamma$ )  
Cross Section  
40-Zr-95  
-99.70 To 3338. %



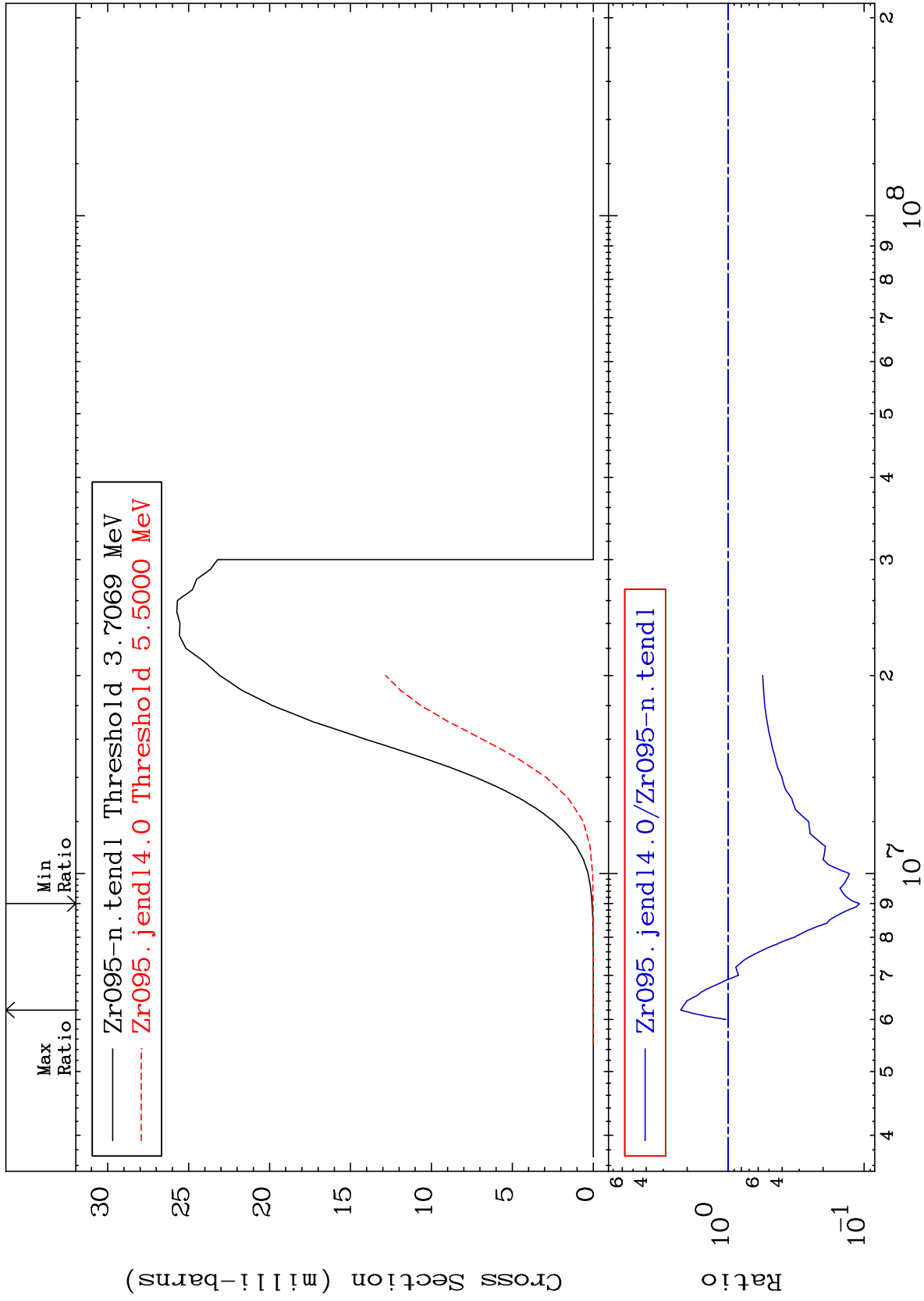
MAT 4040

(n,p)

40-Zr-95

Cross Section

-89.20 To 122.8 %



30

Incident Energy (eV)

40-Zr-95

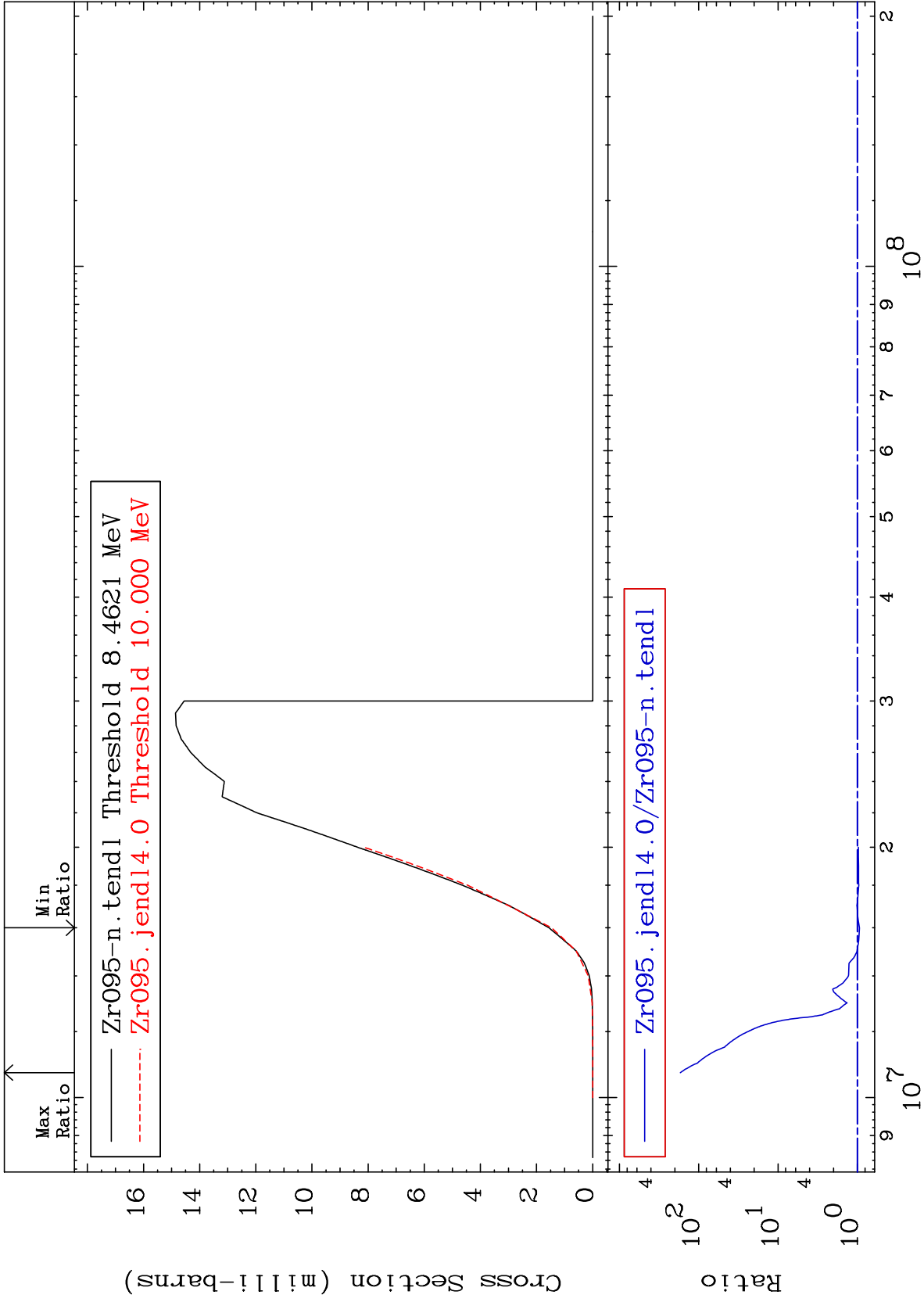
MAT 4040

(n, d)

40-Zr-95

Cross Section

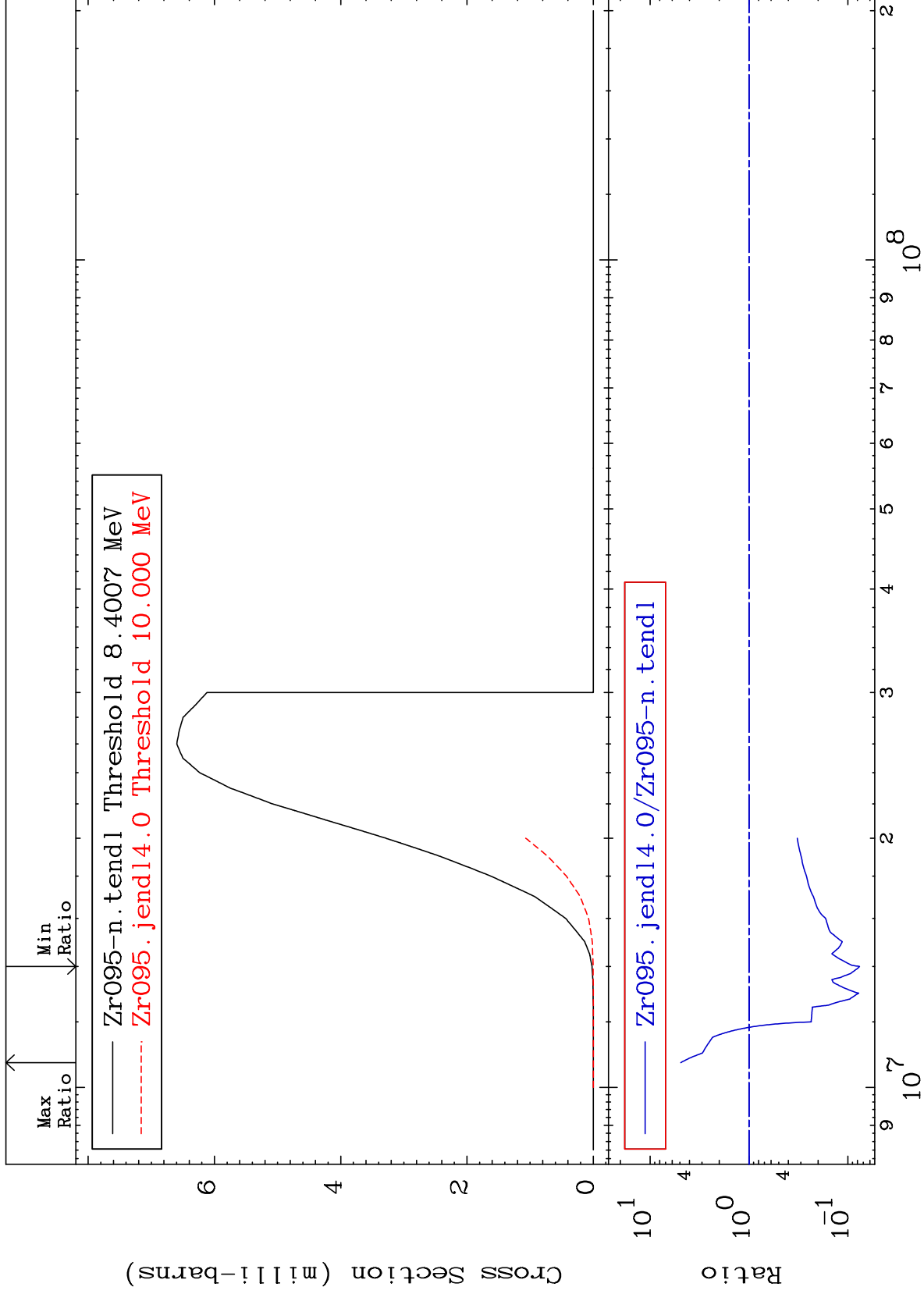
-5.843 To 9999. %



MAT 4040

(n, t)  
Cross Section

40-Zr-95  
-92.37 To 390.6 %



32

40-Zr-95

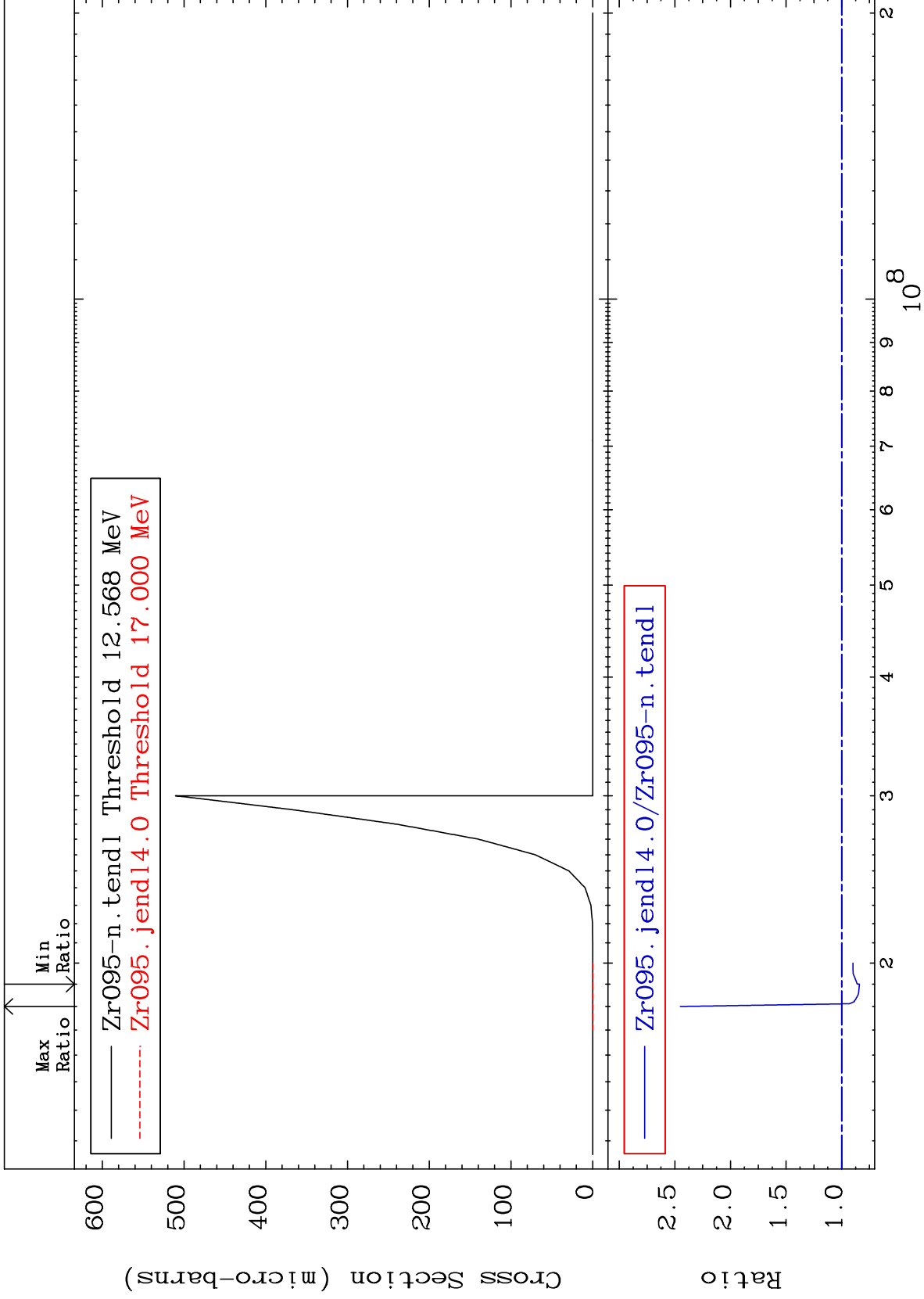
40-Zr-95



MAT 4040

(n, He-3)  
Cross Section

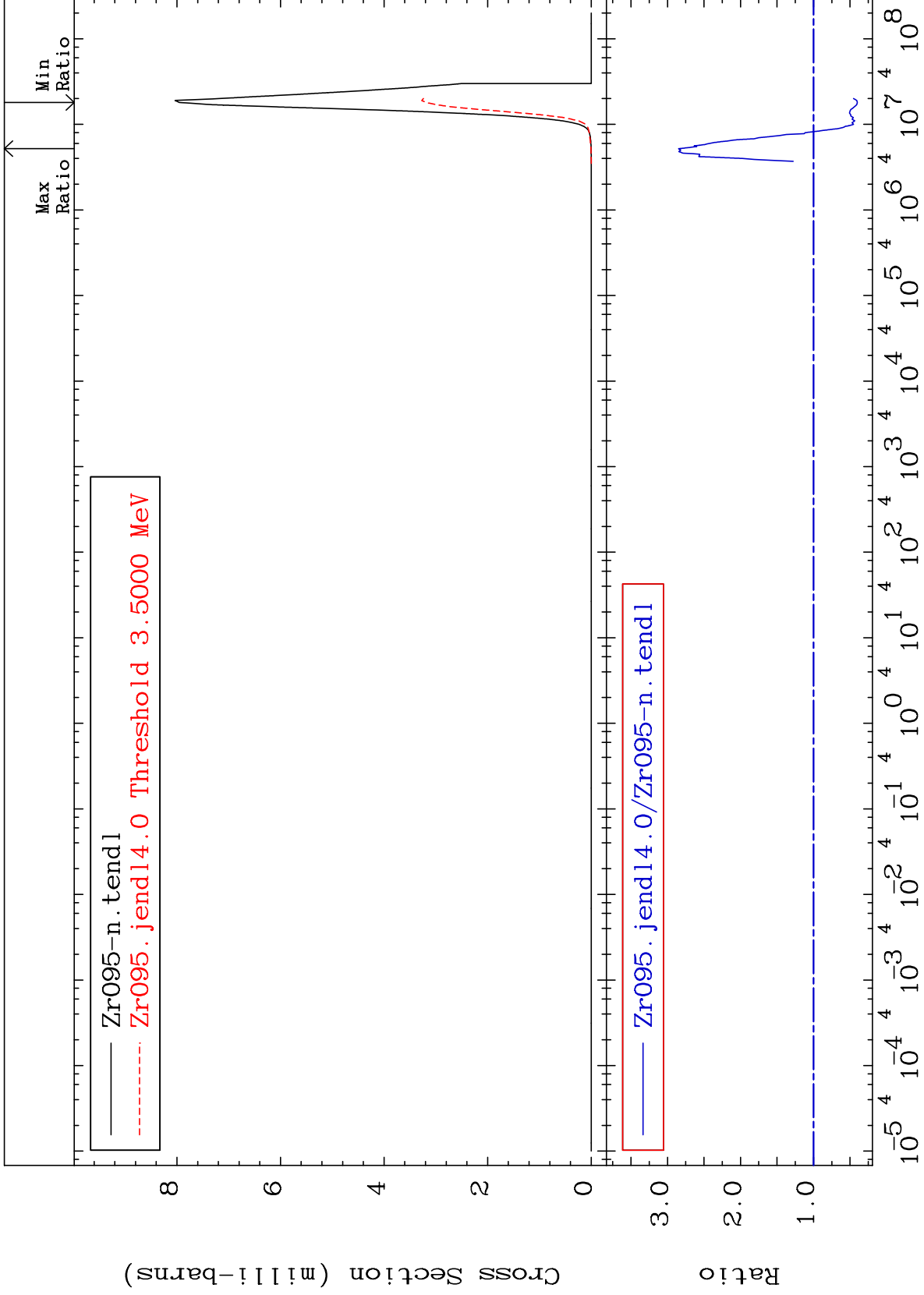
40-Zr-95  
-15.92 To 145.1 %



MAT 4040

(n,  $\alpha$ )  
Cross Section

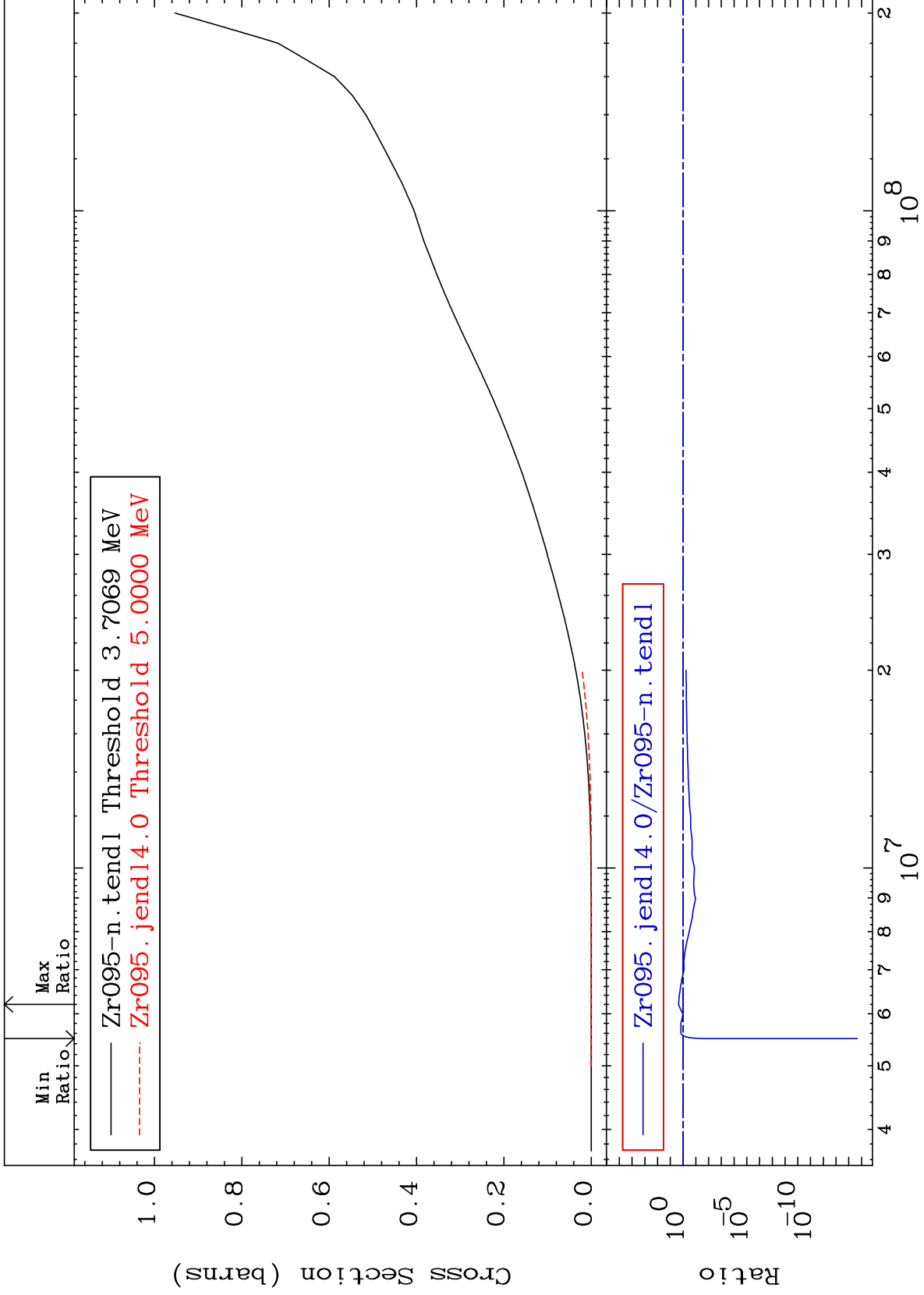
40-Zr-95  
-59.89 To 184.7 %



MAT 4040

Hydrogen Production  
Cross Section

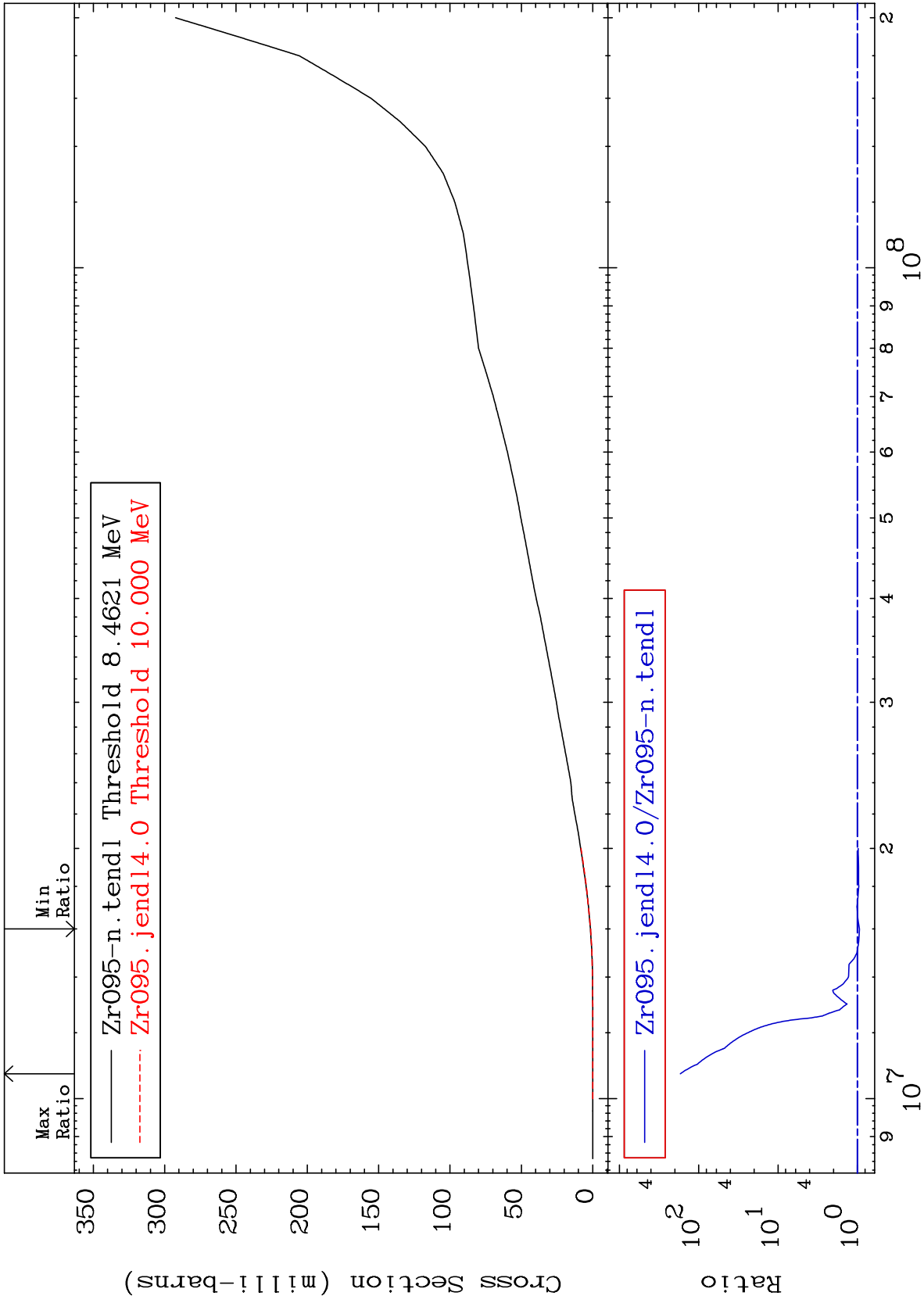
40-Zr-95  
-100.0 To 122.8 %



MAT 4040

Deuterium Production  
Cross Section

40-Zr-95  
-5.843 To 9999. %



36

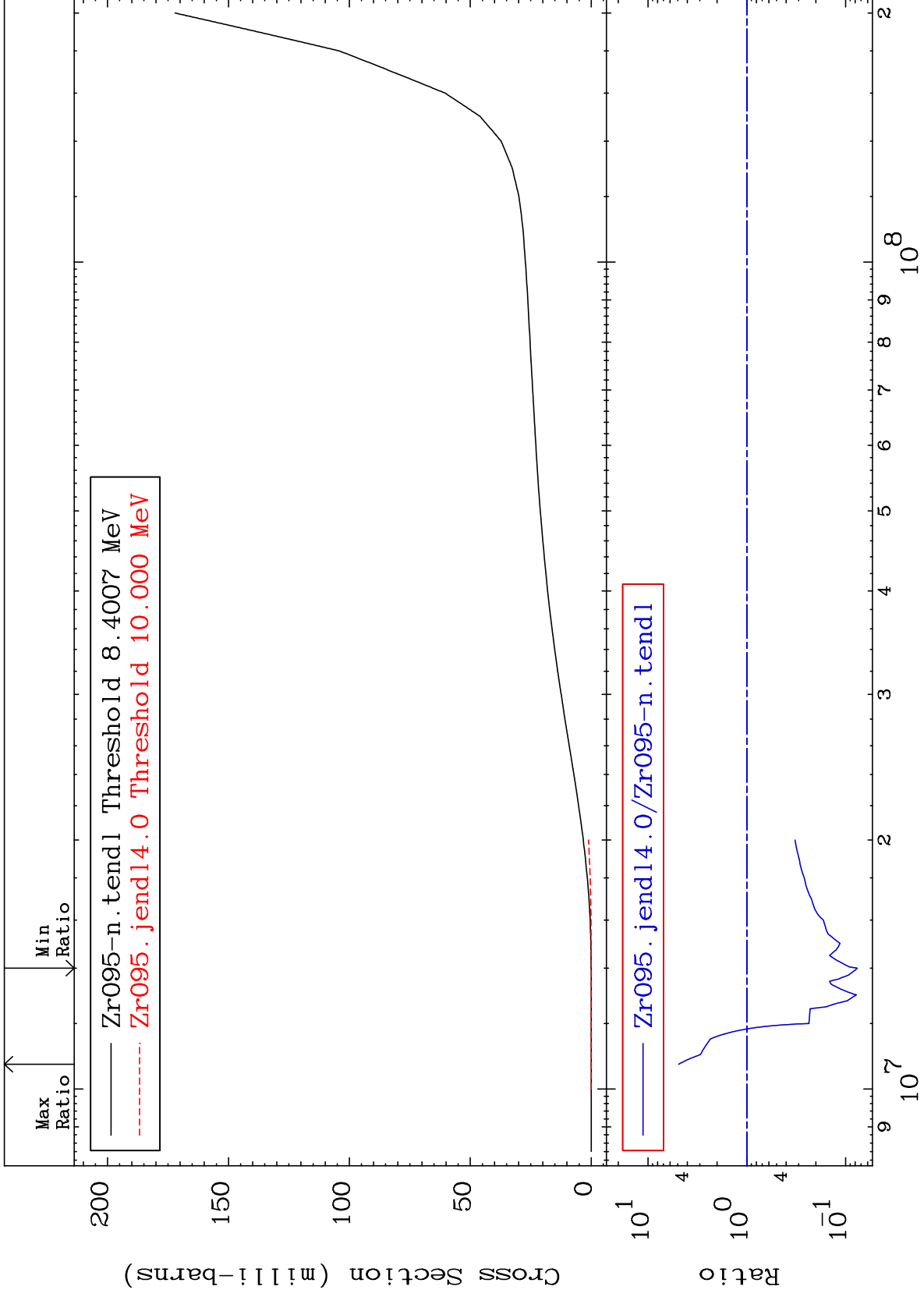
Incident Energy (eV)

40-Zr-95

MAT 4040

Tritium Production  
Cross Section

40-Zr-95  
-92.37 To 390.6 %



37

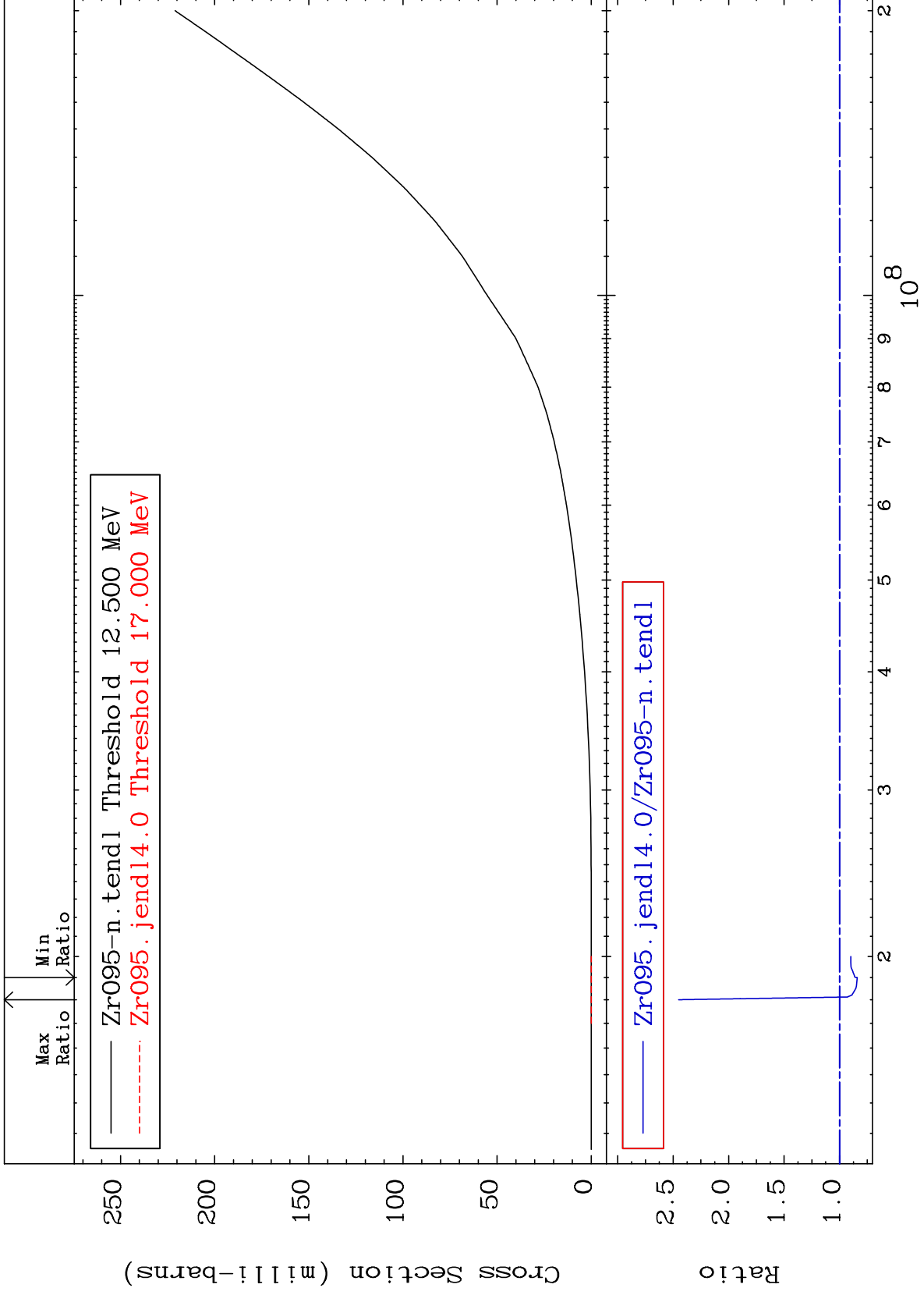
Incident Energy (eV)

40-Zr-95

MAT 4040

He-3 Production  
Cross Section

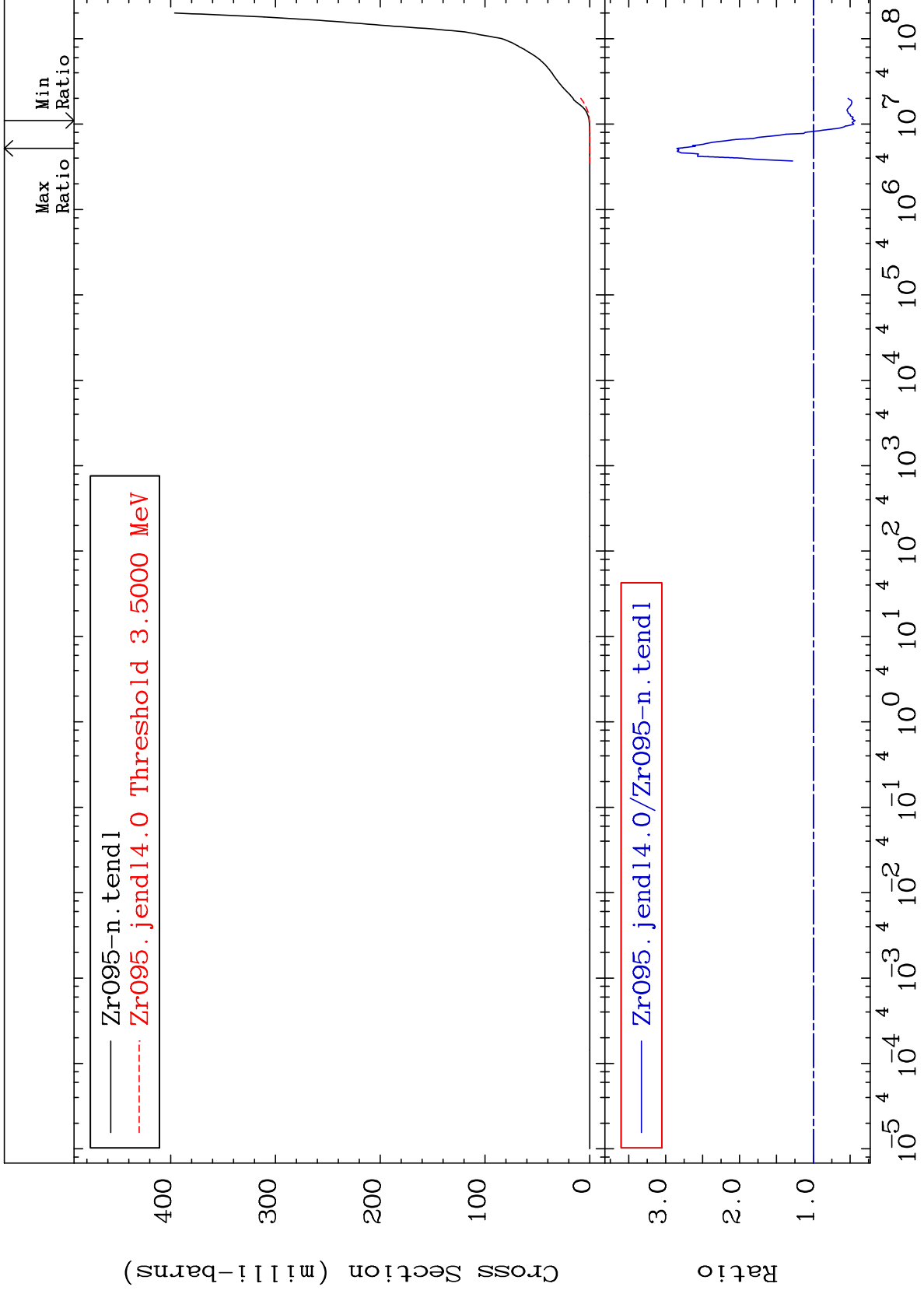
40-Zr-95  
-15.92 To 145.1 %



MAT 4040

He-4 Production  
Cross Section

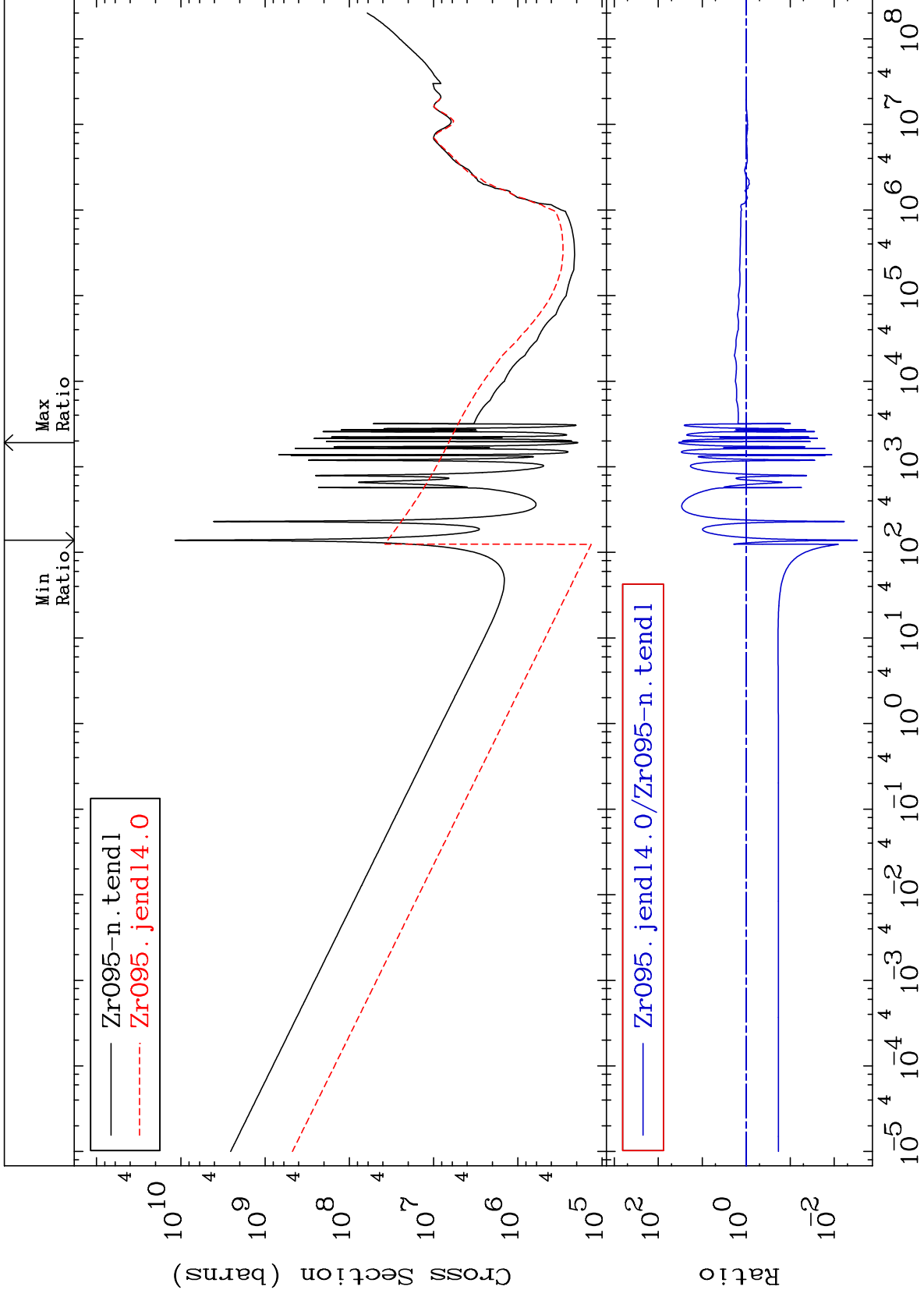
40-Zr-95  
-56.61 To 184.7 %



MAT 4040

Kerma total (eV-barns)  
Cross Section

40-Zr-95  
-99.70 To 3334. %



40

Incident Energy (eV)

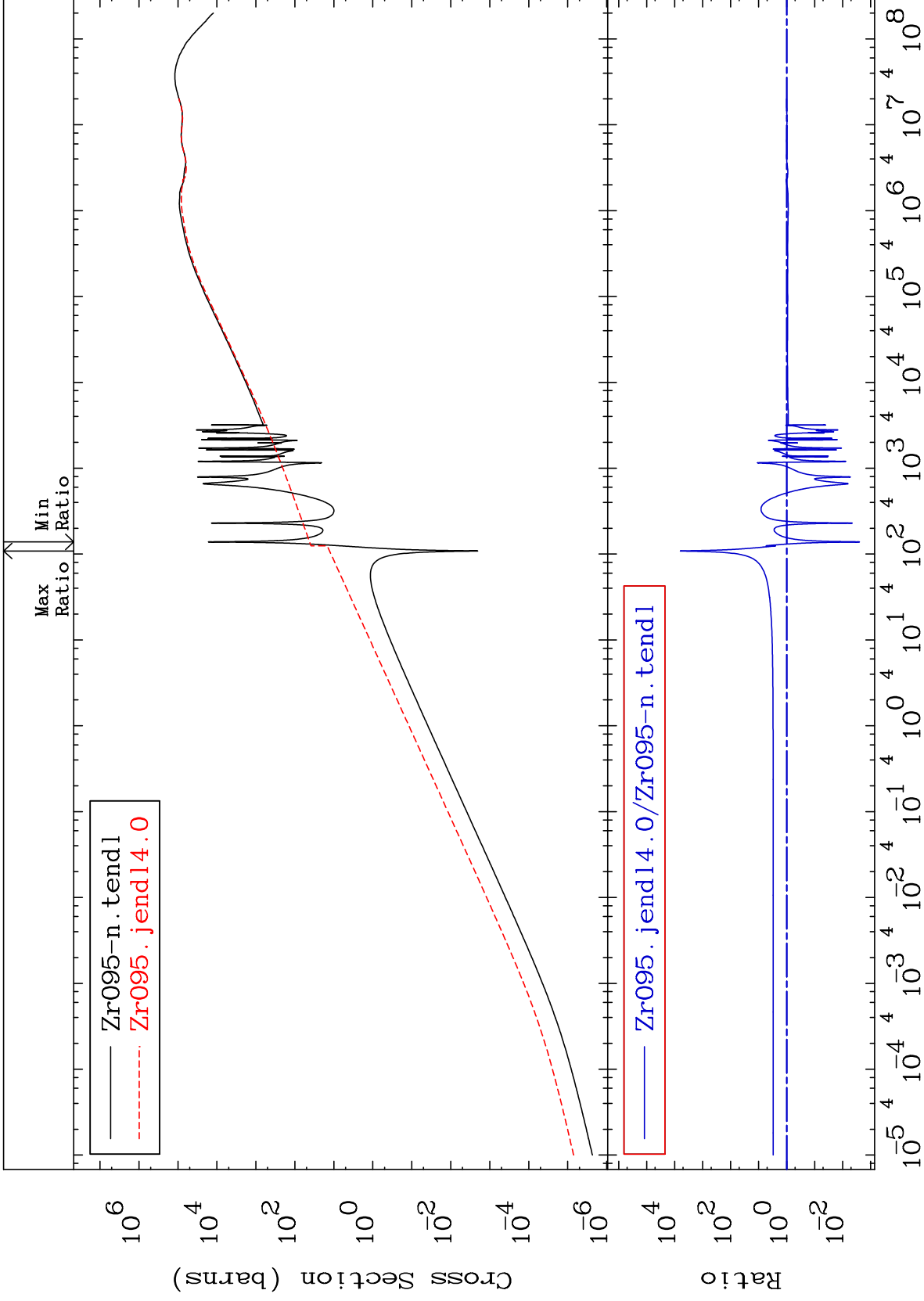
40-Zr-95

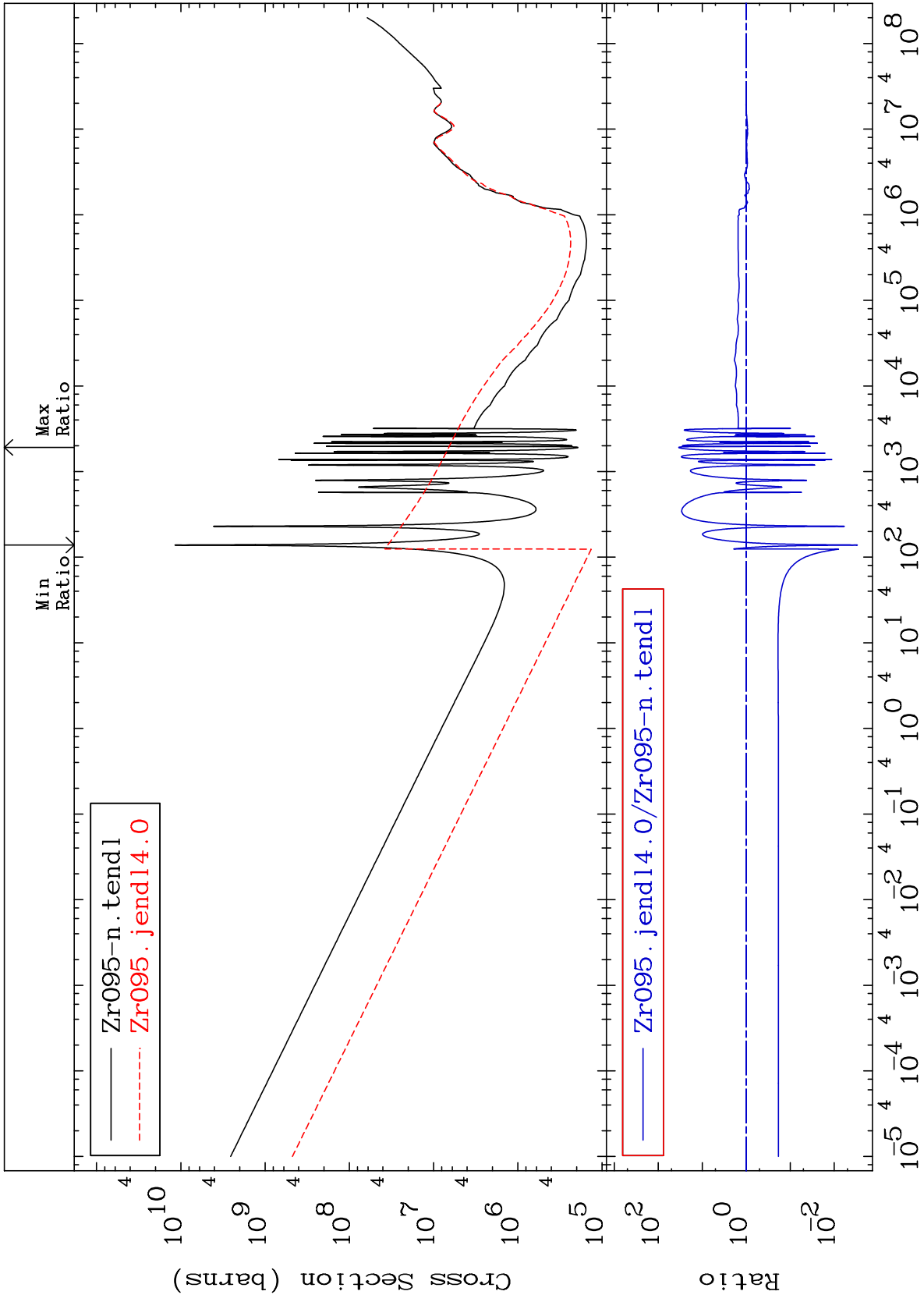


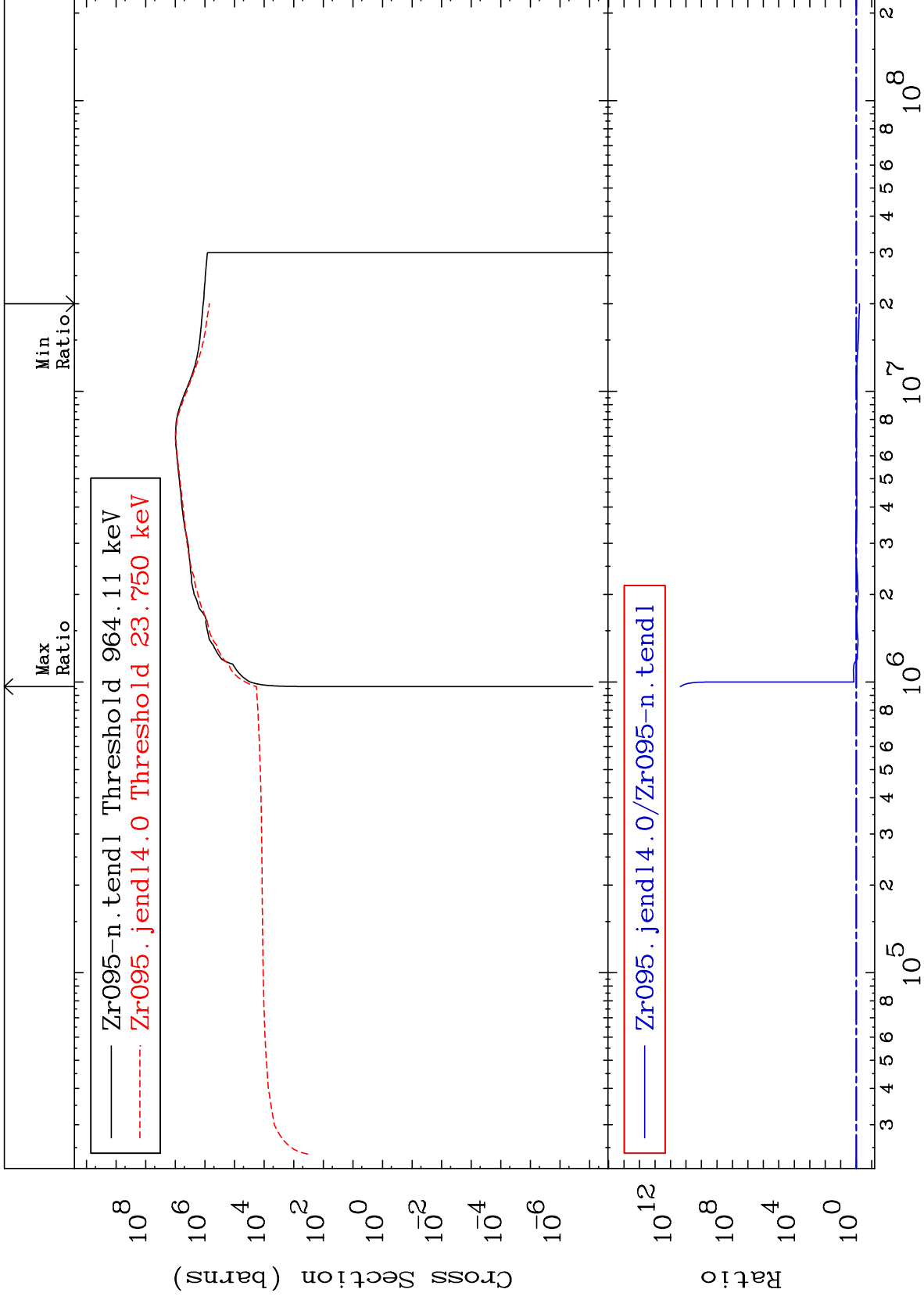
MAT 4040

Kerma elastic  
Cross Section

40-Zr-95  
-99.75 To 9999. %



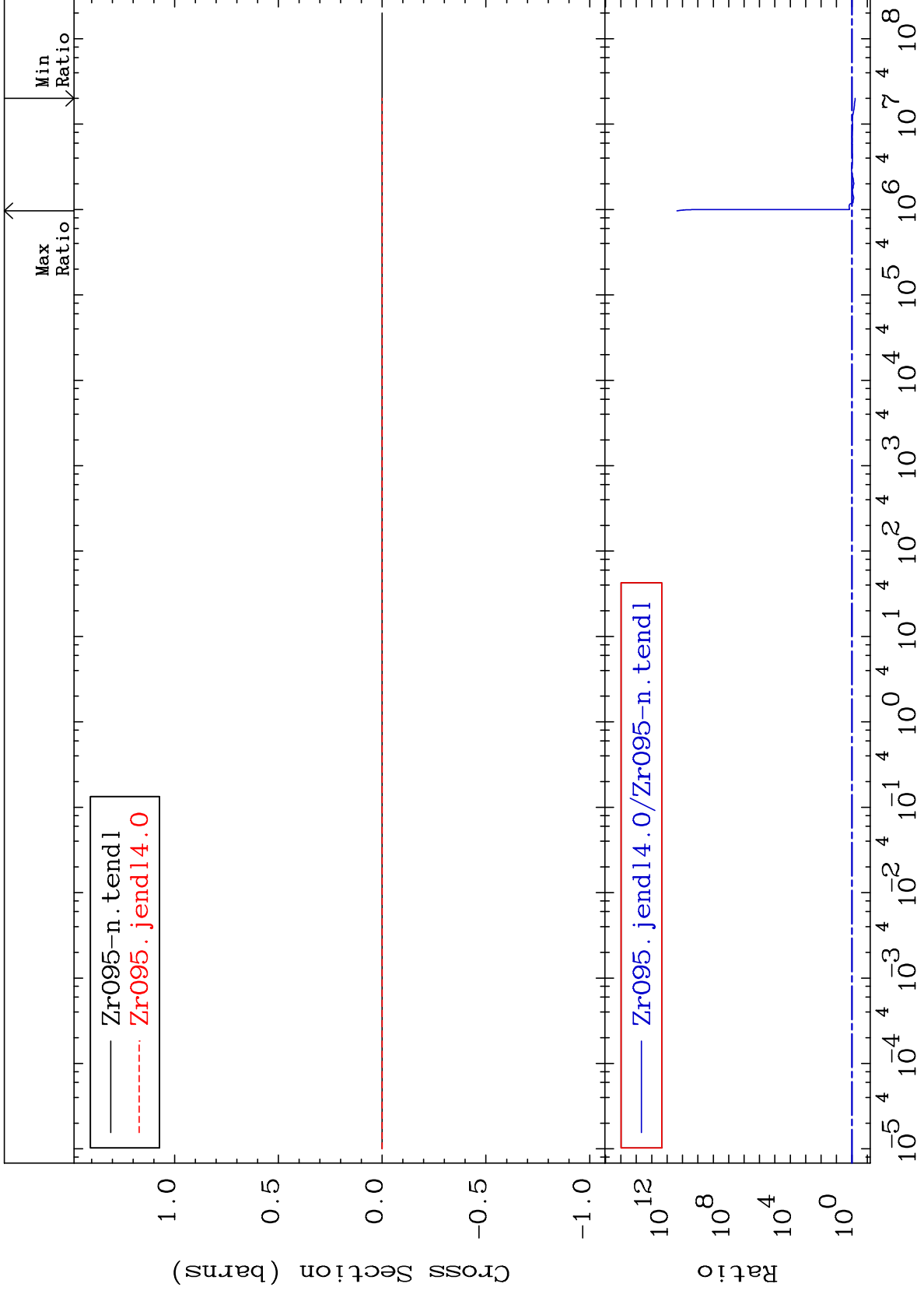




MAT 4040

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

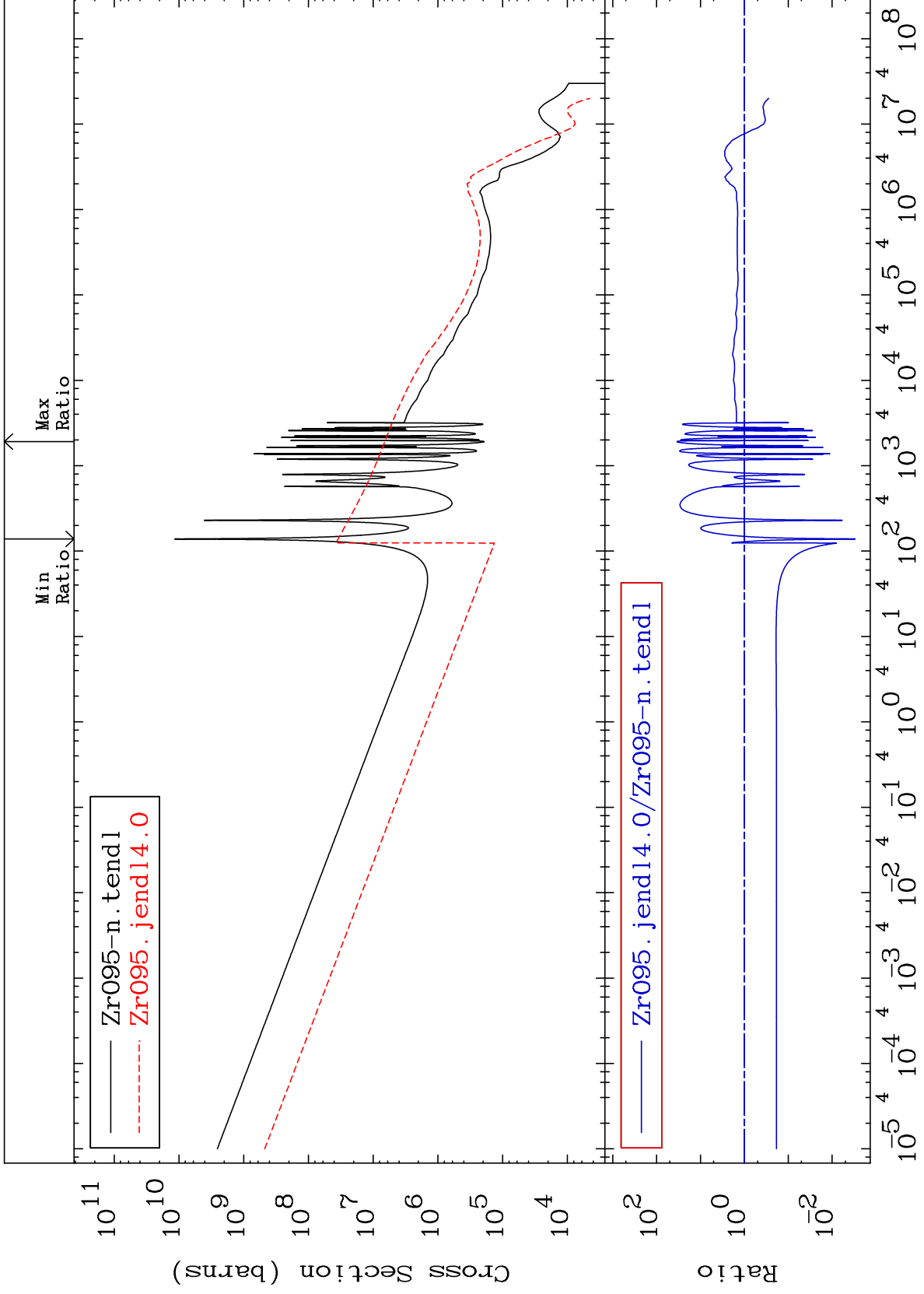
40-Zr-95  
-37.84 To 9999. %



MAT 4040

Kerma capture (mt102)  
Cross Section

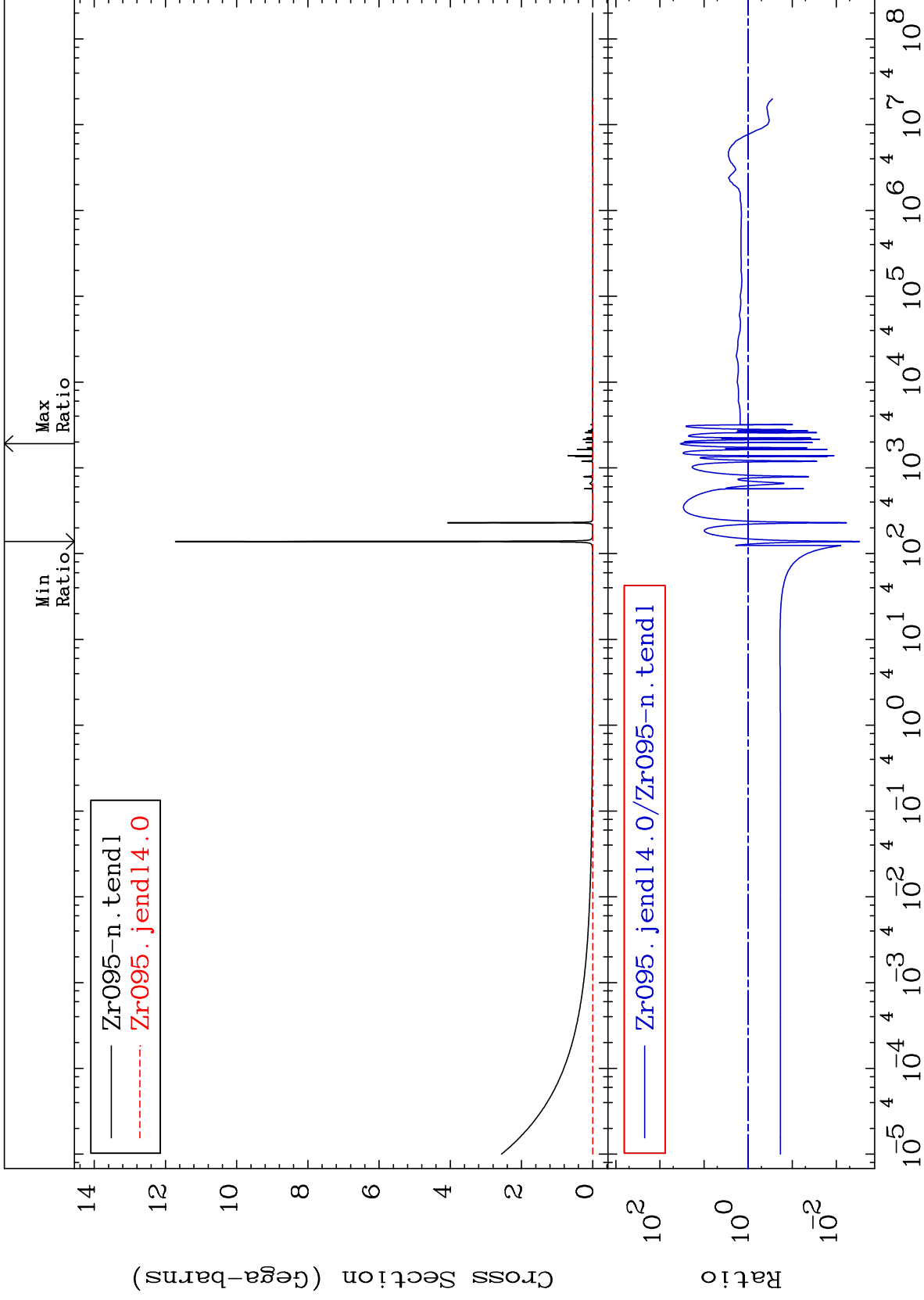
40-Zr-95  
-99.70 To 3339. %



45

Incident Energy (eV)

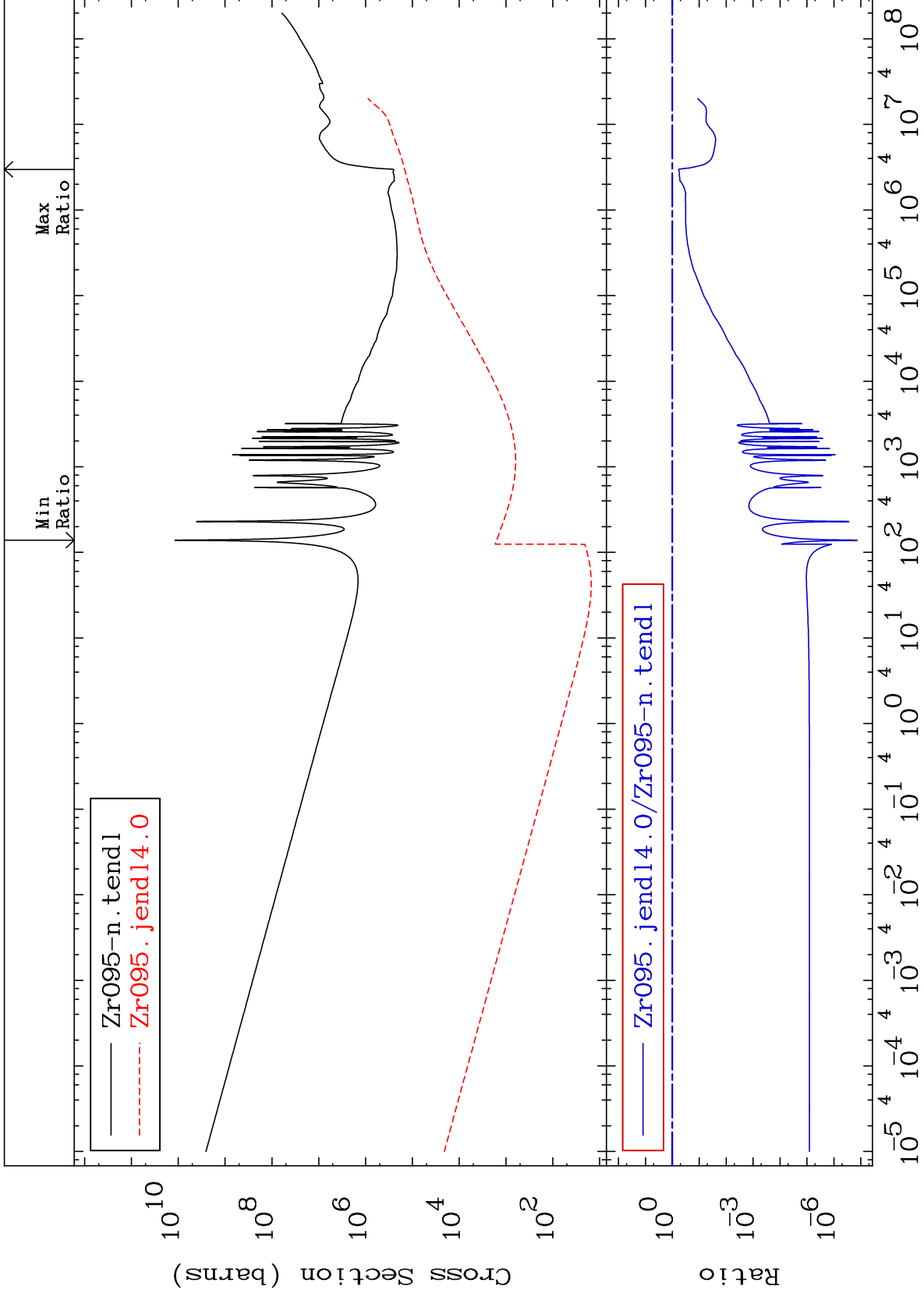
40-Zr-95



MAT 4040

Total kinematic kerma (high limit)  
Cross Section

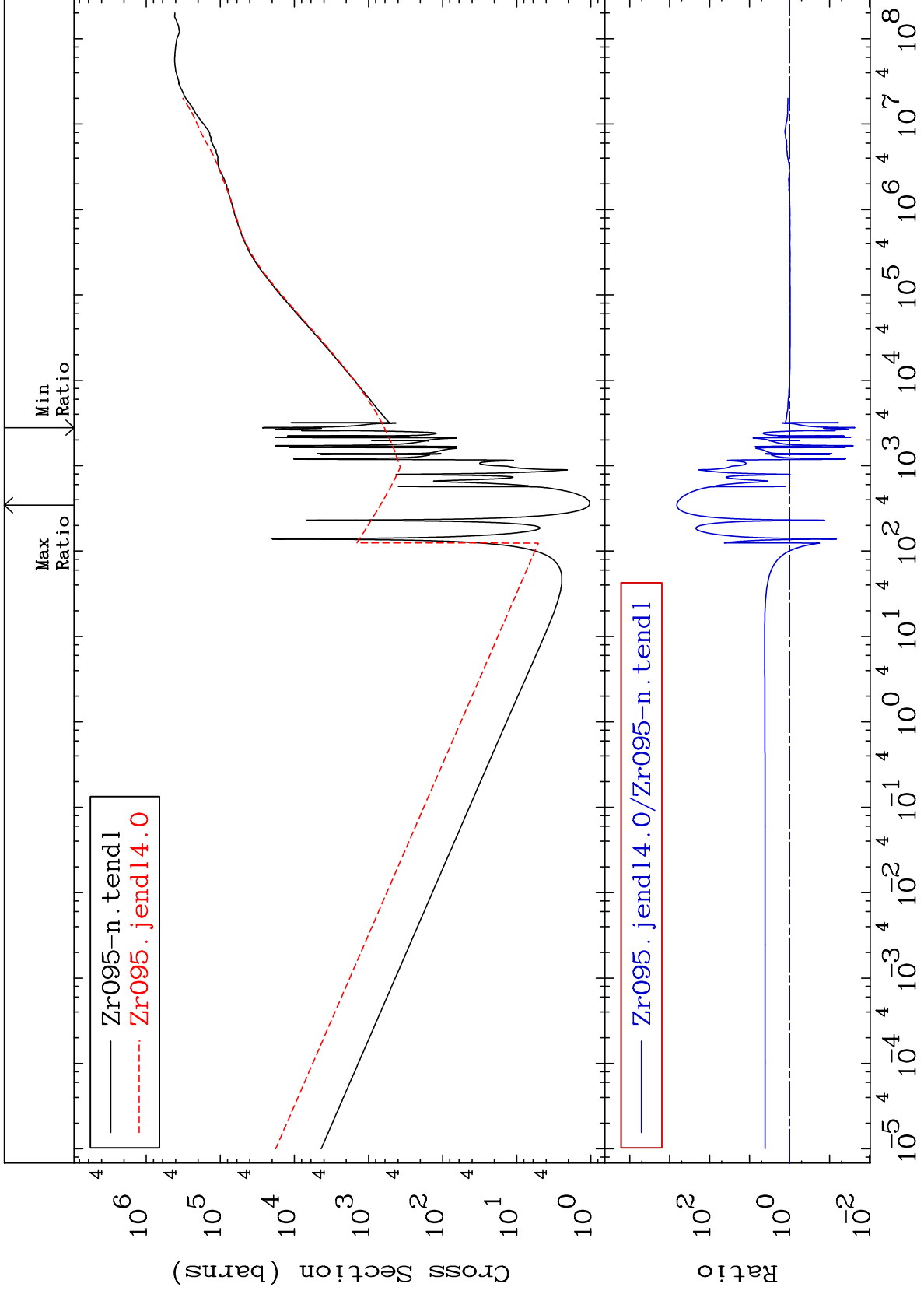
40-Zr-95  
-100.0 To -41.56%



MAT 4040

Dpa total (eV-barns)  
Cross Section

40-Zr-95  
-97.71 To 9999. %

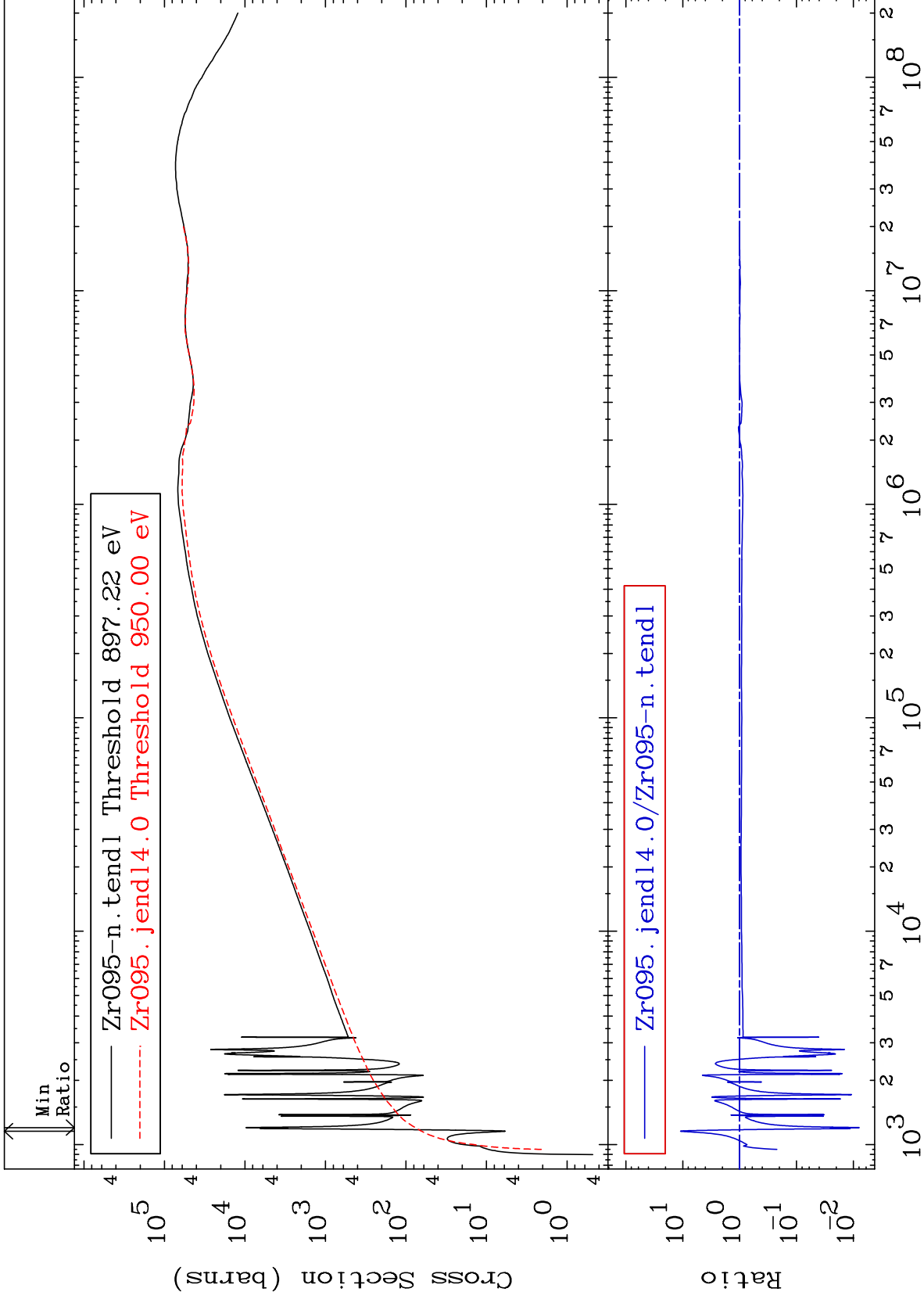




MAT 4040

Dpa elastic (mt2)  
Cross Section

40-Zr-95  
-99.22 To 1001. %



49

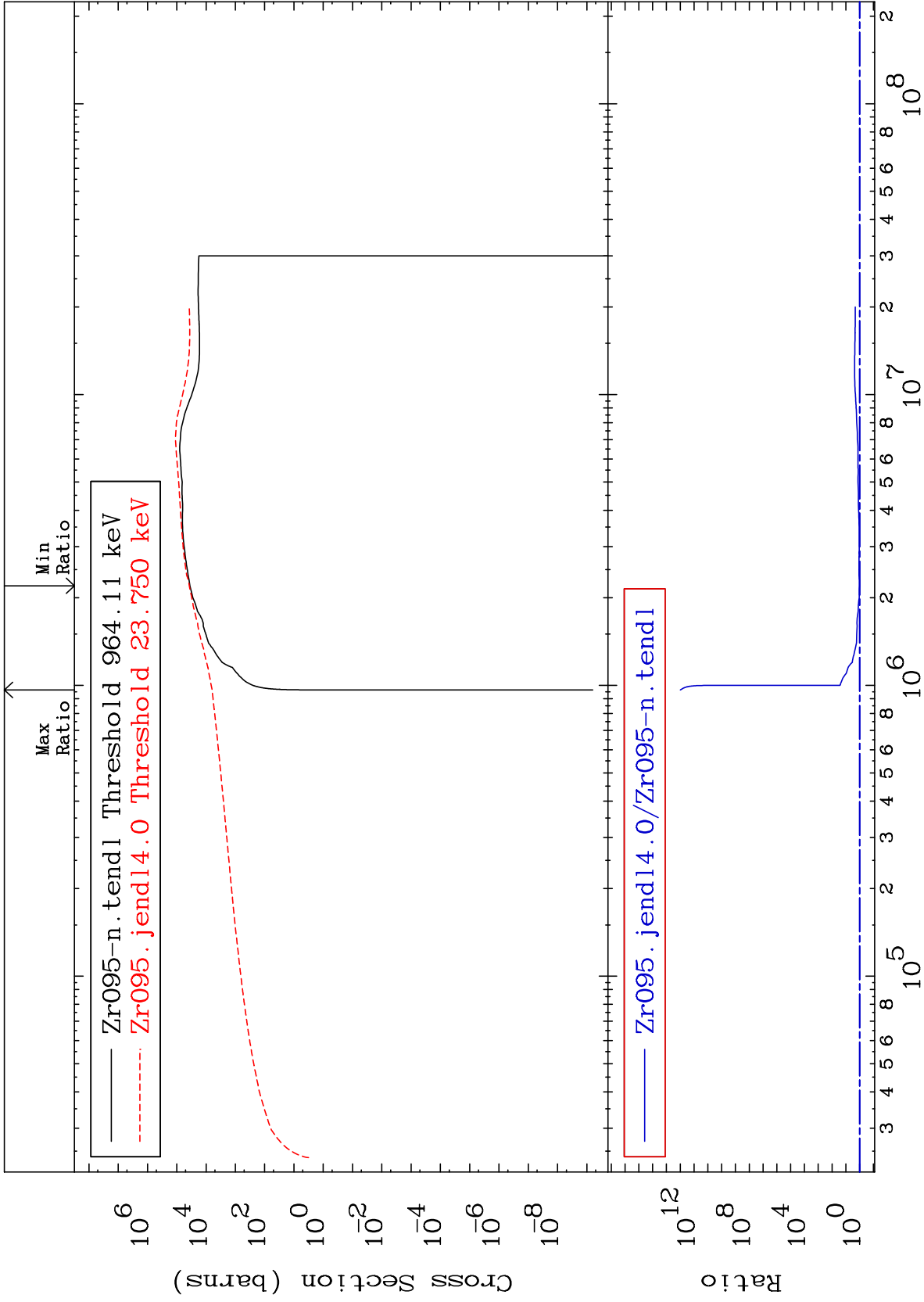
Incident Energy (eV)

40-Zr-95

MAT 4040

Dpa inelastic (mt51-91)  
Cross Section

40-Zr-95  
3.695 To 9999. %



MAT 4040

Dpa disappearance (mt102 -120)  
Cross Section

40-Zr-95  
-93.32 To 9999. %

