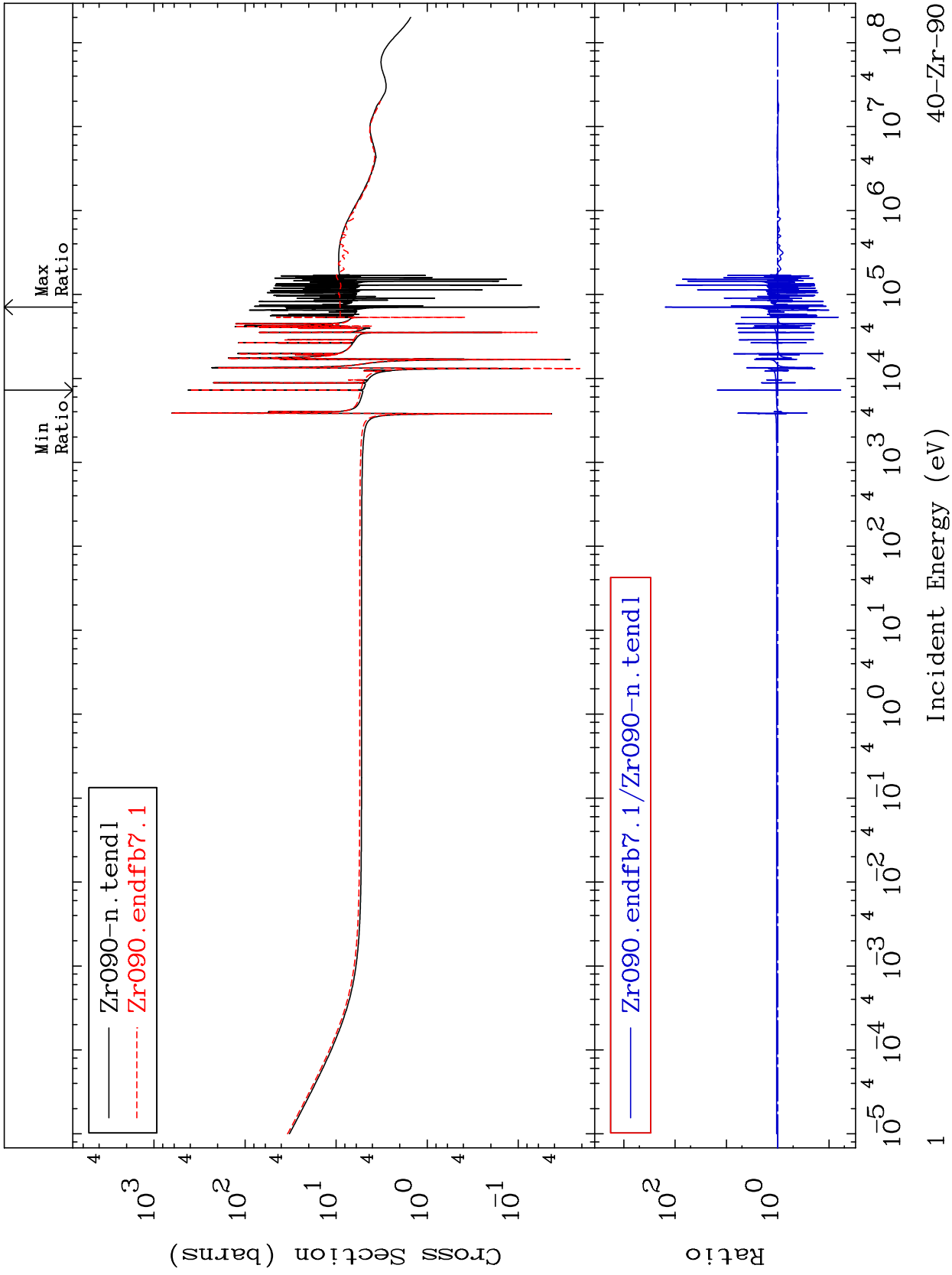


MAT 4025

Total  
Cross Section

40-Zr-90  
-94.08 To 9999. %



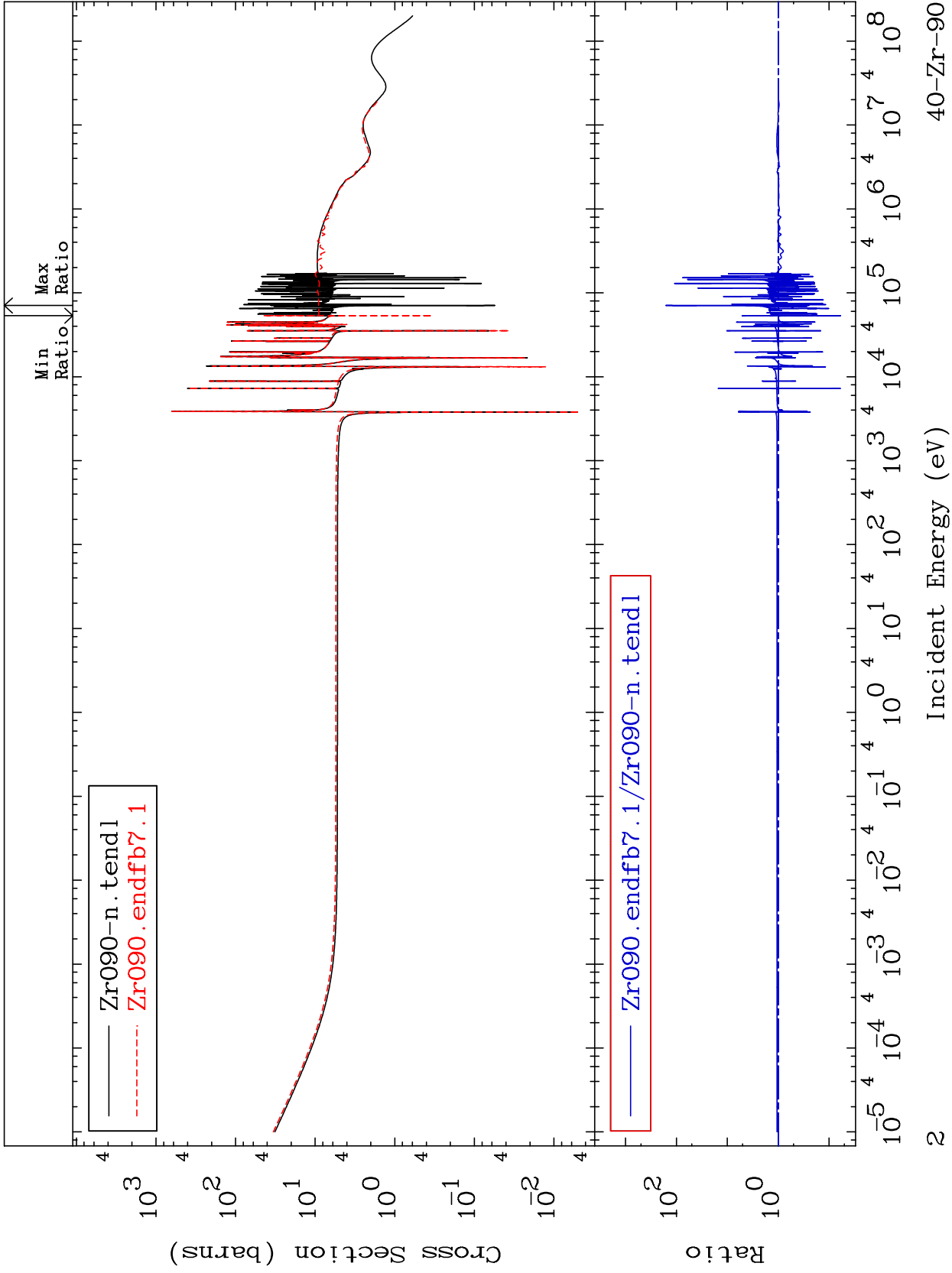
40-Zr-90

Incident Energy (eV)

MAT 4025

Elastic  
Cross Section

40-Zr-90  
-94.10 To 9999. %

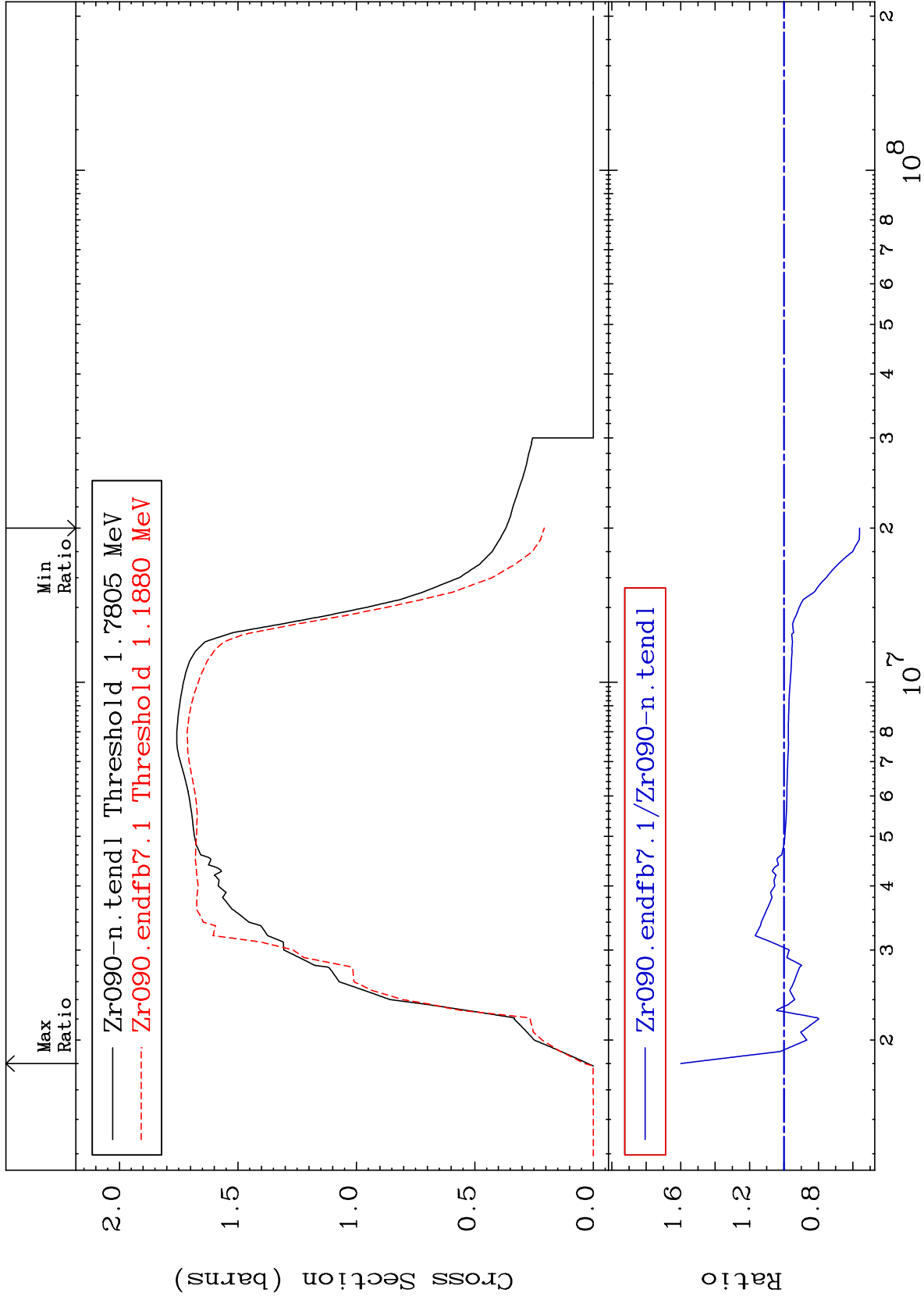


40-Zr-90

Incident Energy (eV)

2

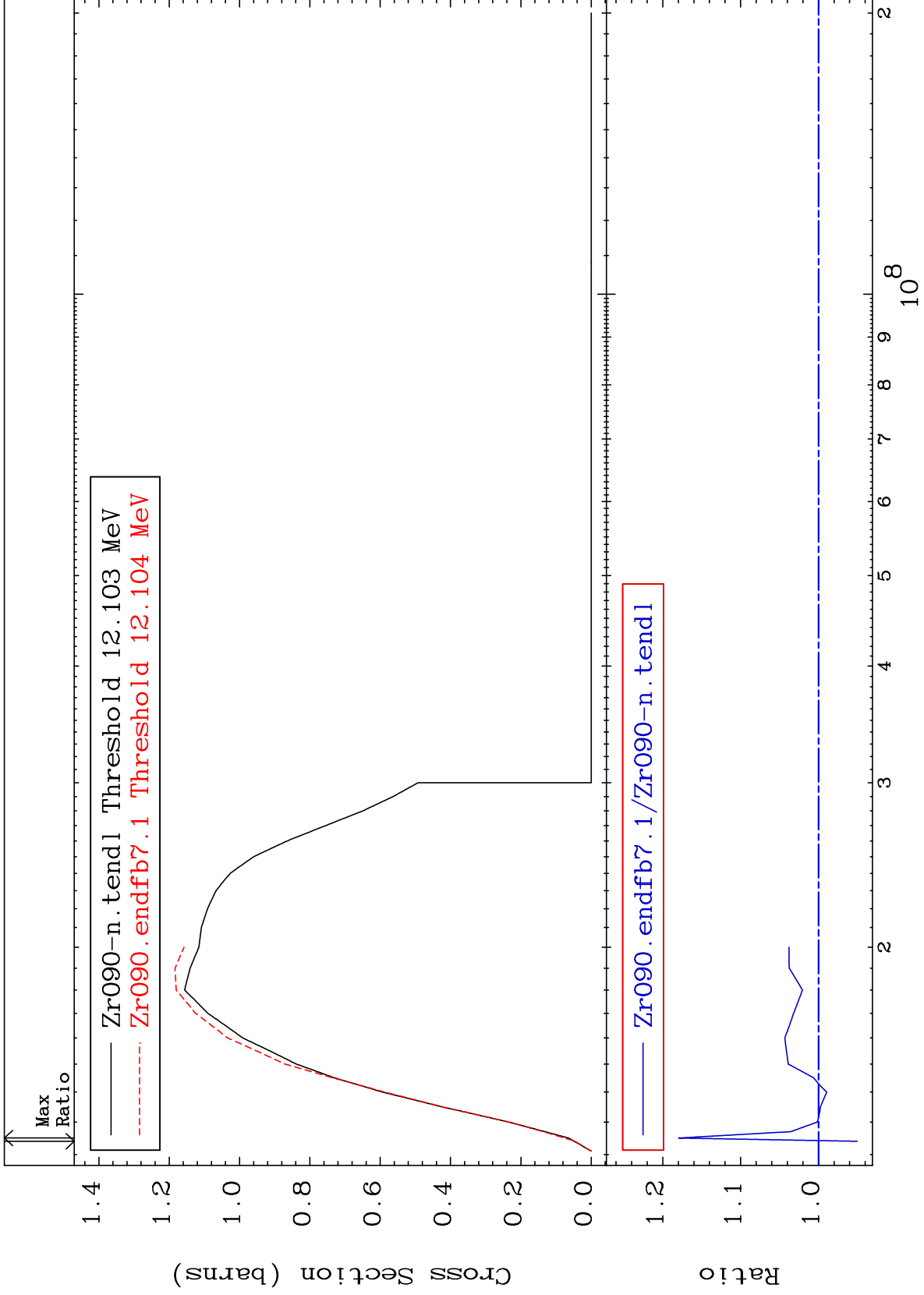
MAT 4025 Inelastic Cross Section 40-Zr-90 -43.86 To 59.96 %



MAT 4025

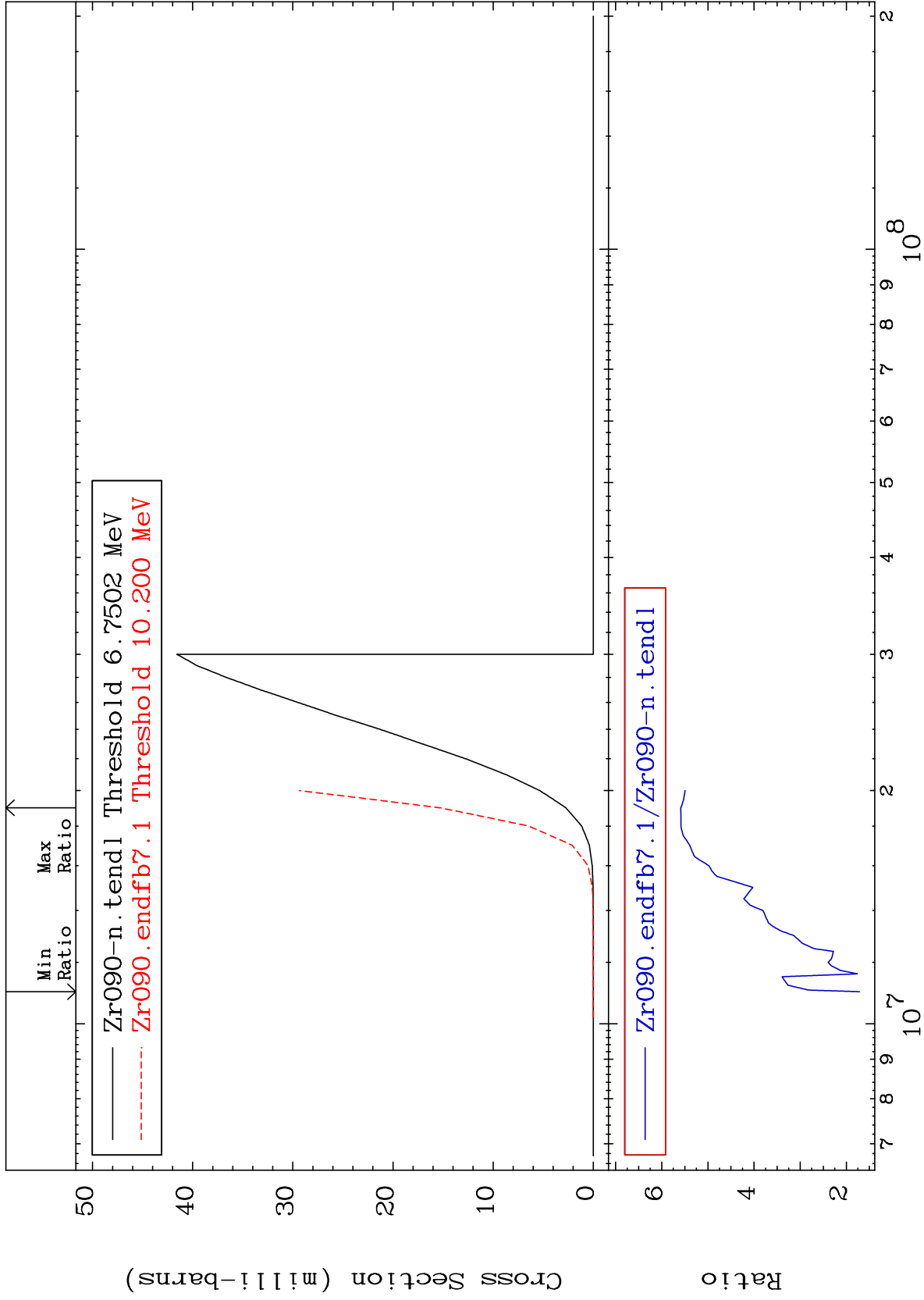
(n,2n)  
Cross Section

40-Zr-90  
-4.978 To 17.96 %



MAT 4025

(n, n')  $\alpha$   
Cross Section  
40-Zr-90  
71.39 To 458.8 %

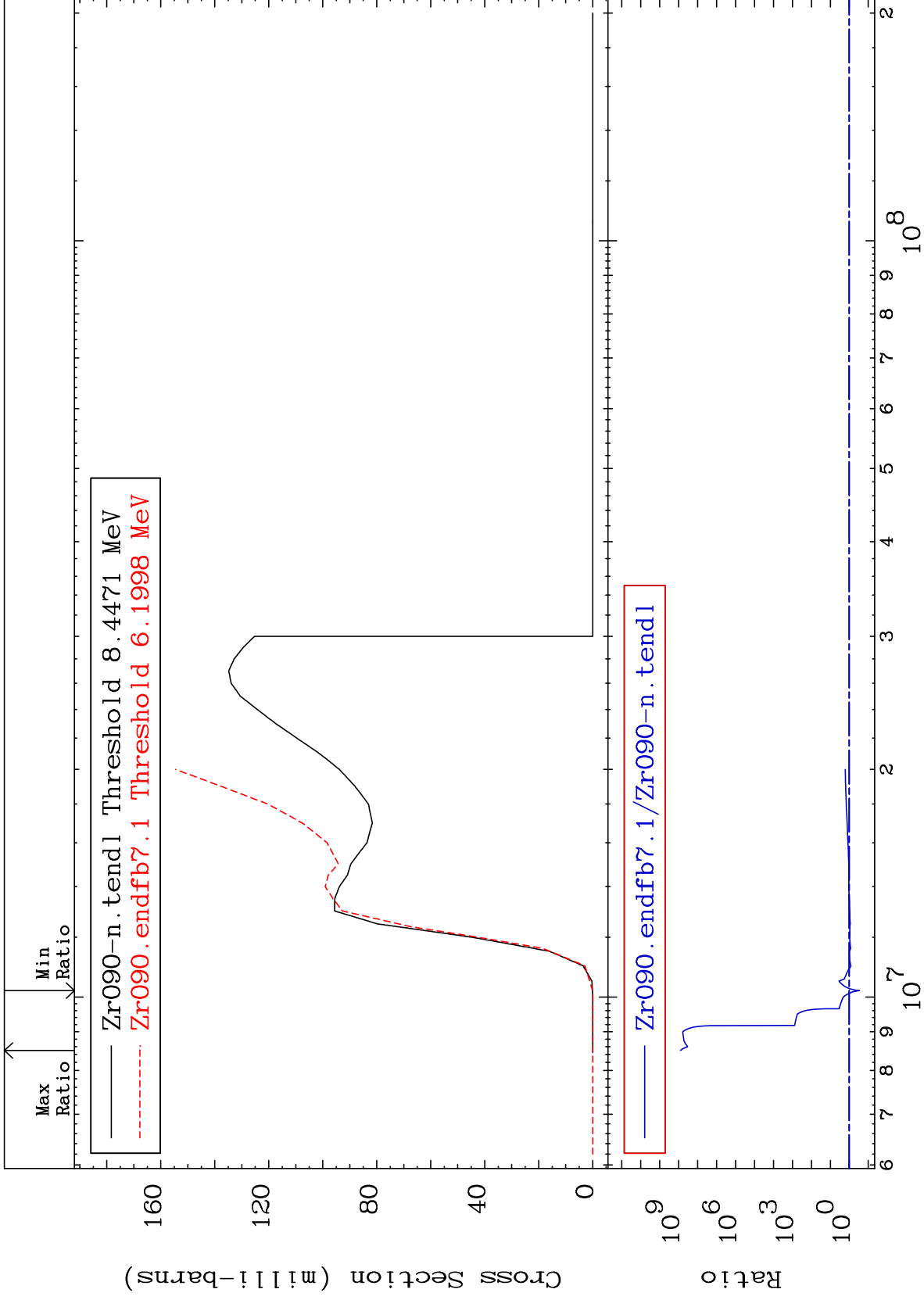


5 Incident Energy (eV) 40-Zr-90

MAT 4025

(n, n') p  
Cross Section

40-Zr-90  
-70.75 To 9999. %



6

Incident Energy (eV)

40-Zr-90

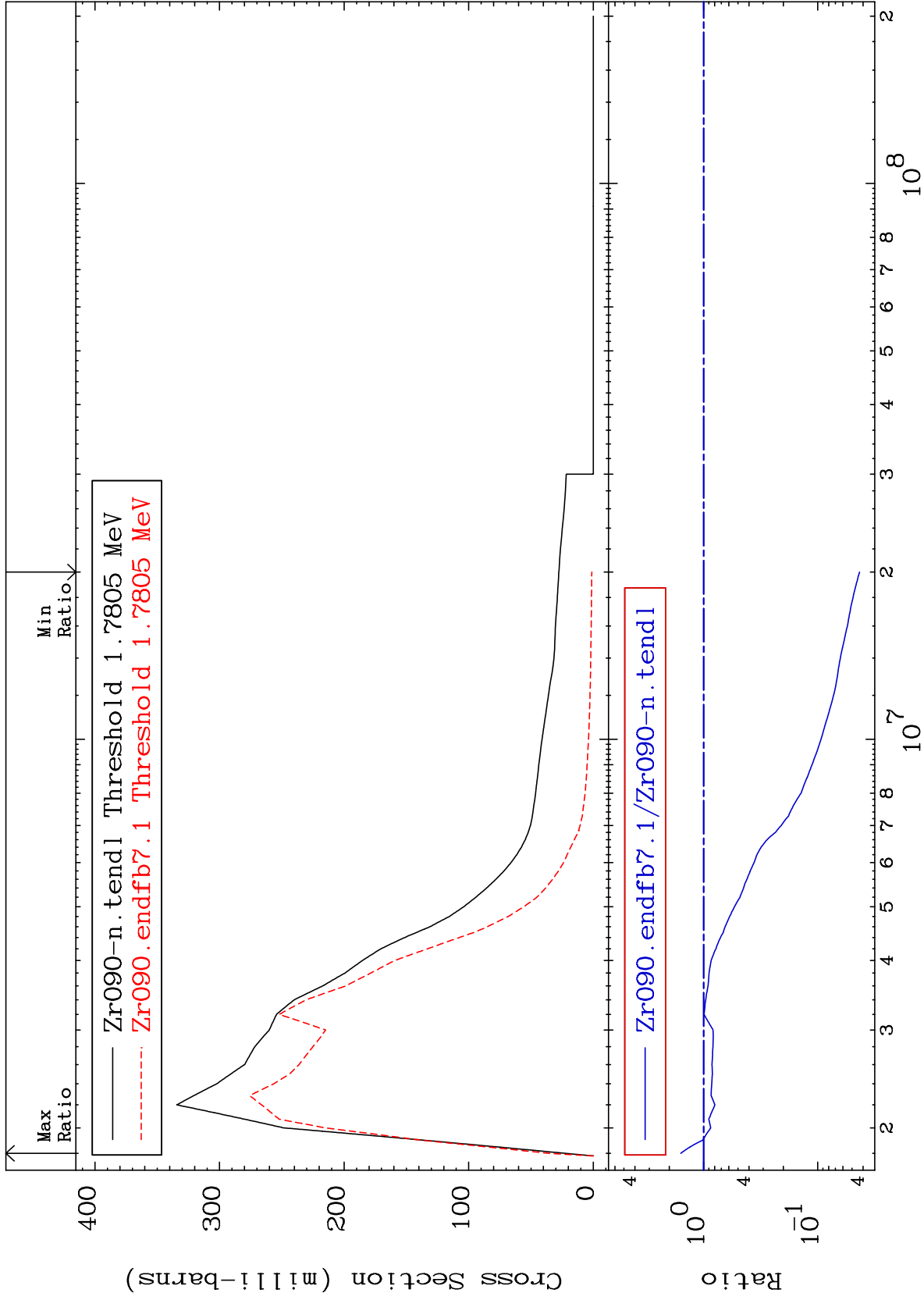
MAT 4025

1.761 MeV (n,n') Level

40-Zr-90

-95.71 To 58.61 %

Cross Section



7

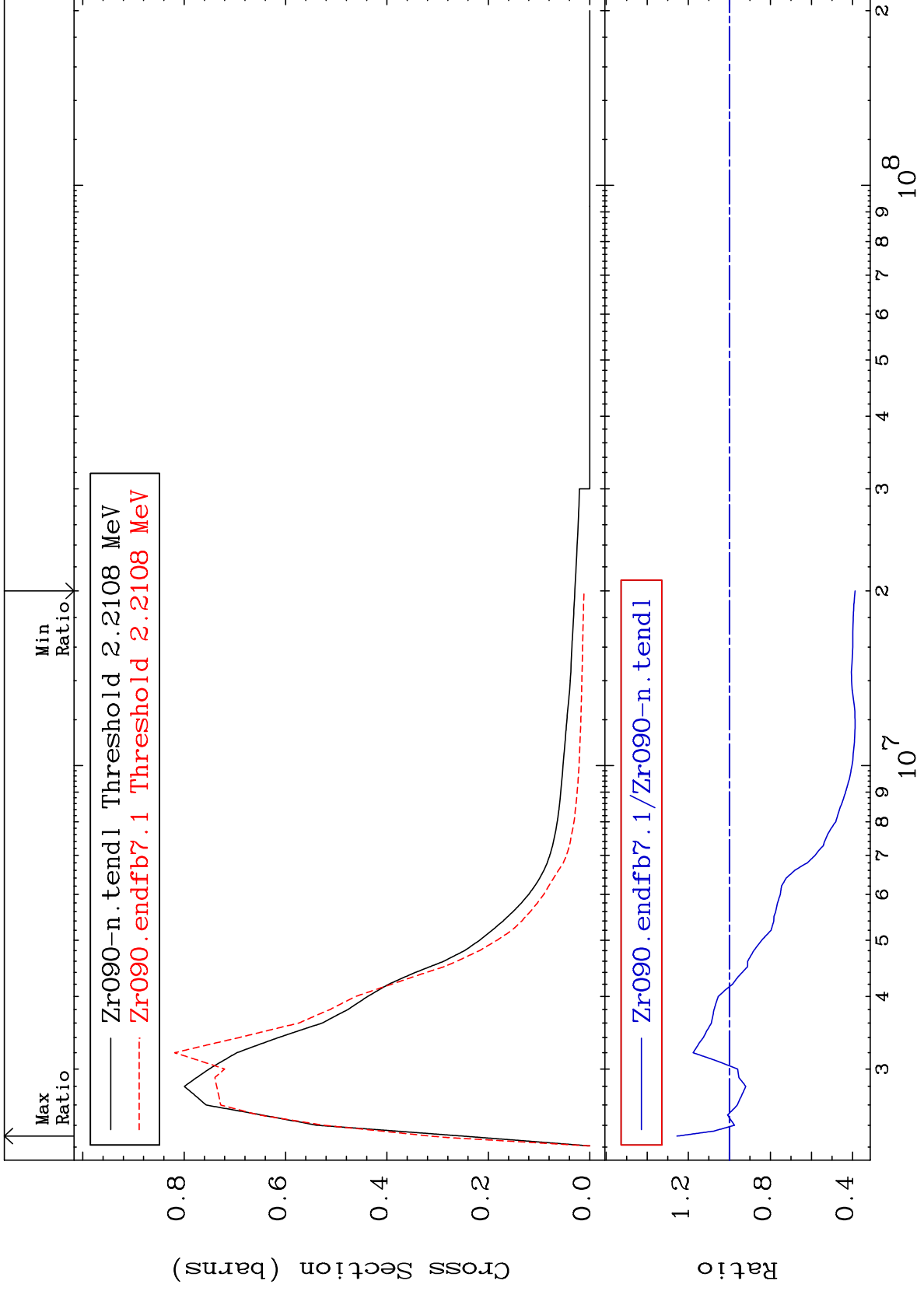
Incident Energy (eV)

40-Zr-90

MAT 4025

2.186 MeV (n,n') Level  
Cross Section

40-Zr-90  
-61.23 To 25.54 %

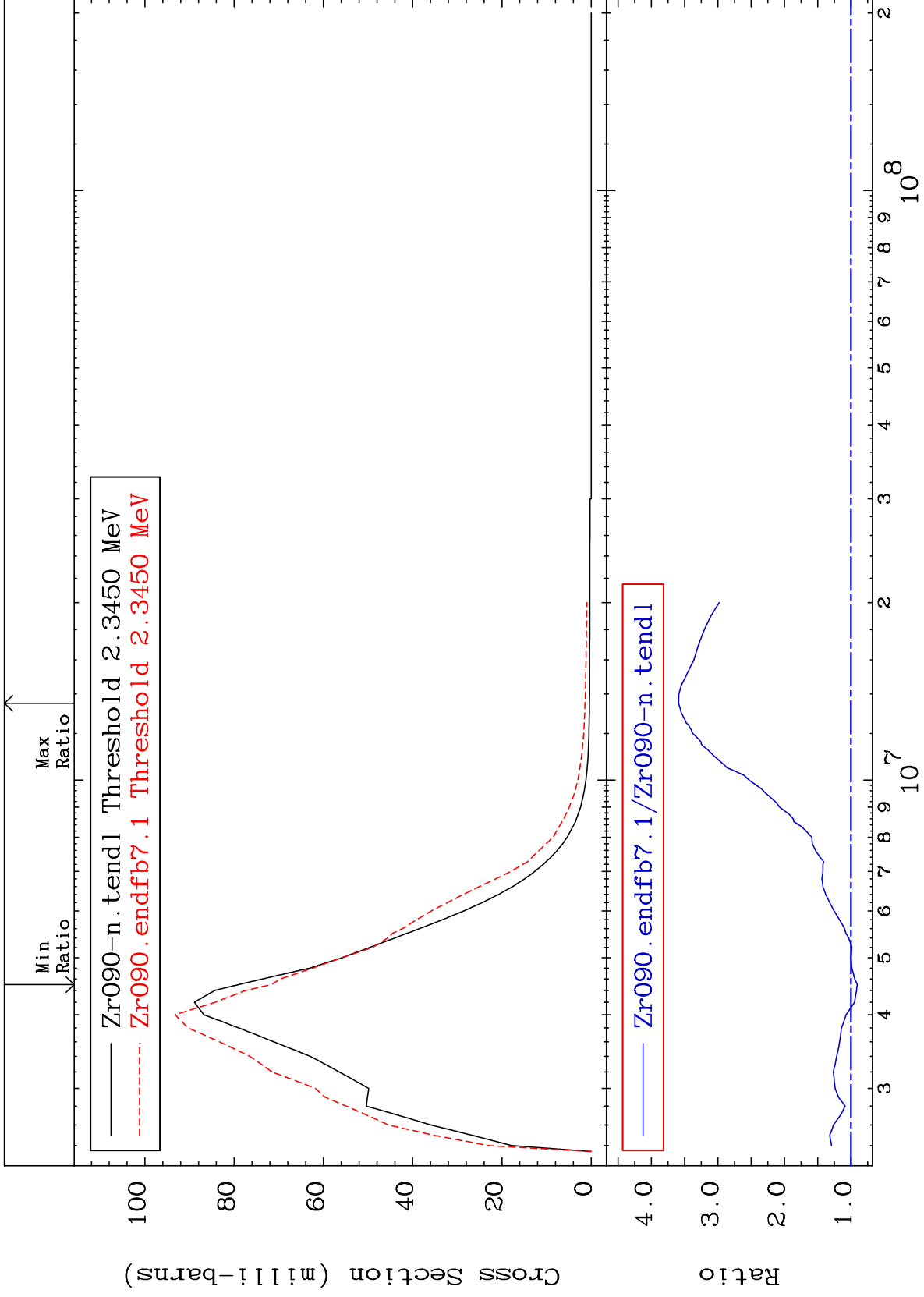




MAT 4025

2.319 MeV (n,n') Level  
Cross Section

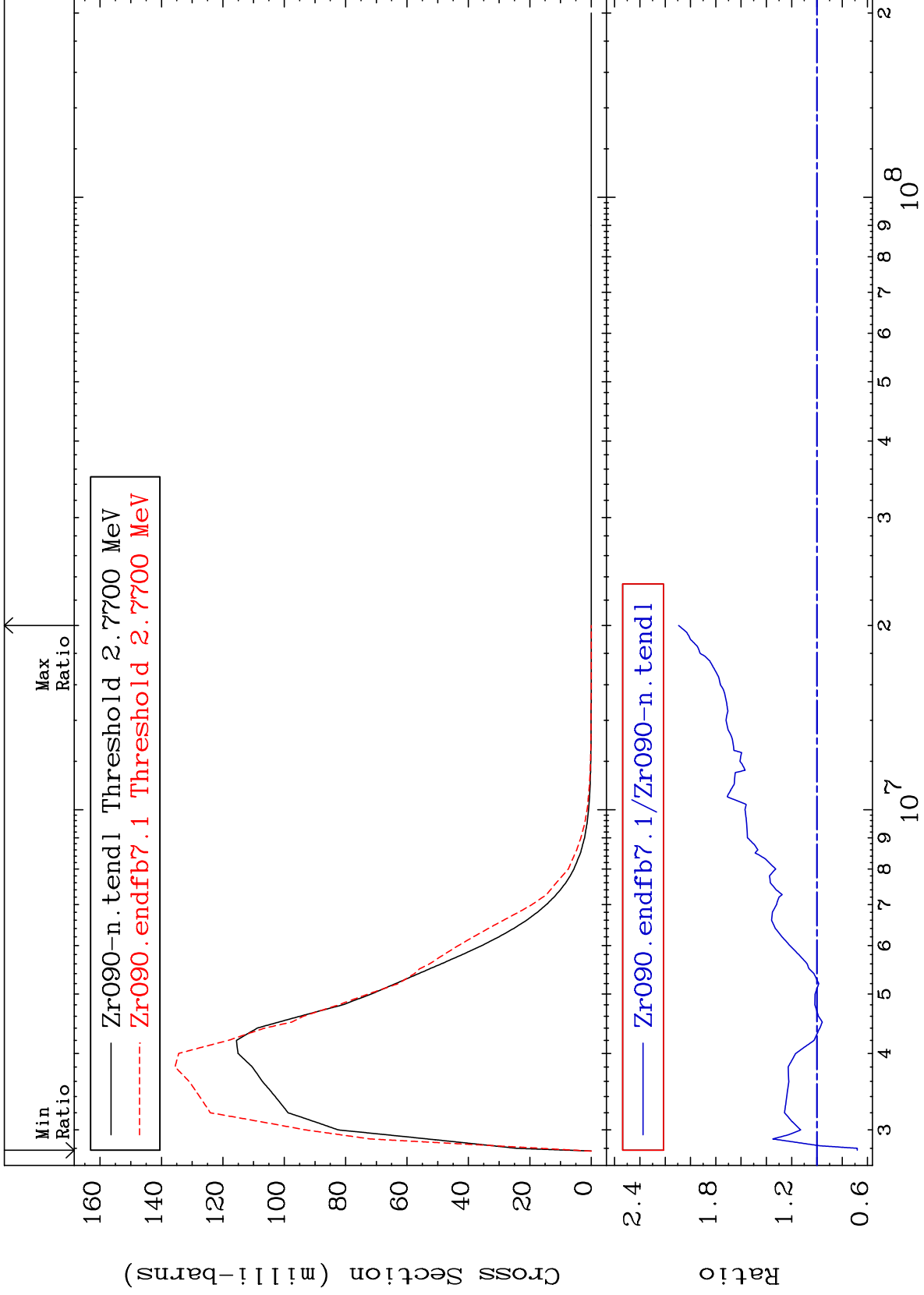
40-Zr-90  
-9.286 To 259.1 %



MAT 4025

2.739 MeV (n,n') Level  
Cross Section

40-Zr-90  
-31.87 To 109.4 %



10

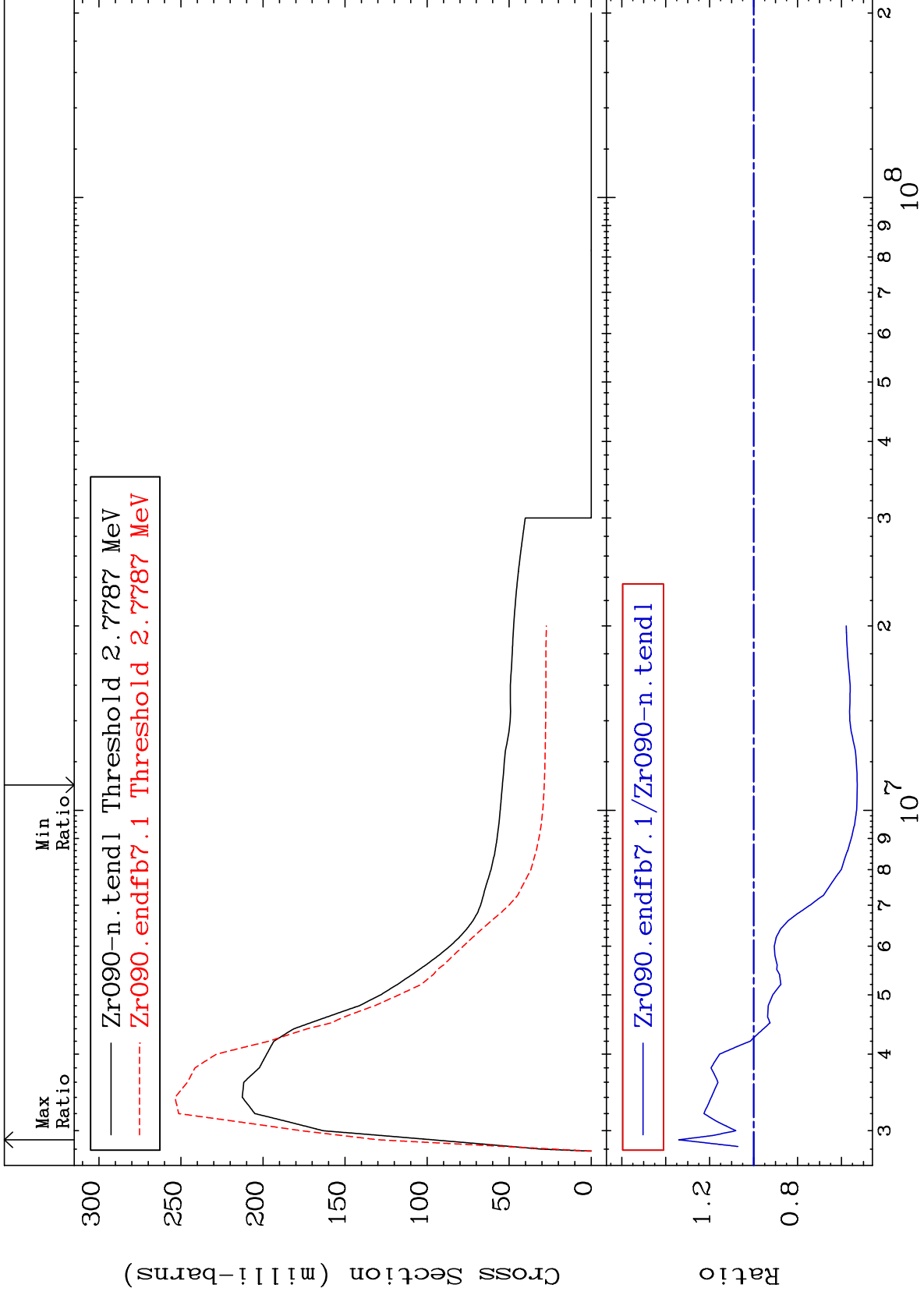
Incident Energy (eV)

40-Zr-90

MAT 4025

2.748 MeV (n,n') Level  
Cross Section

40-Zr-90  
-47.16 To 34.12 %



11

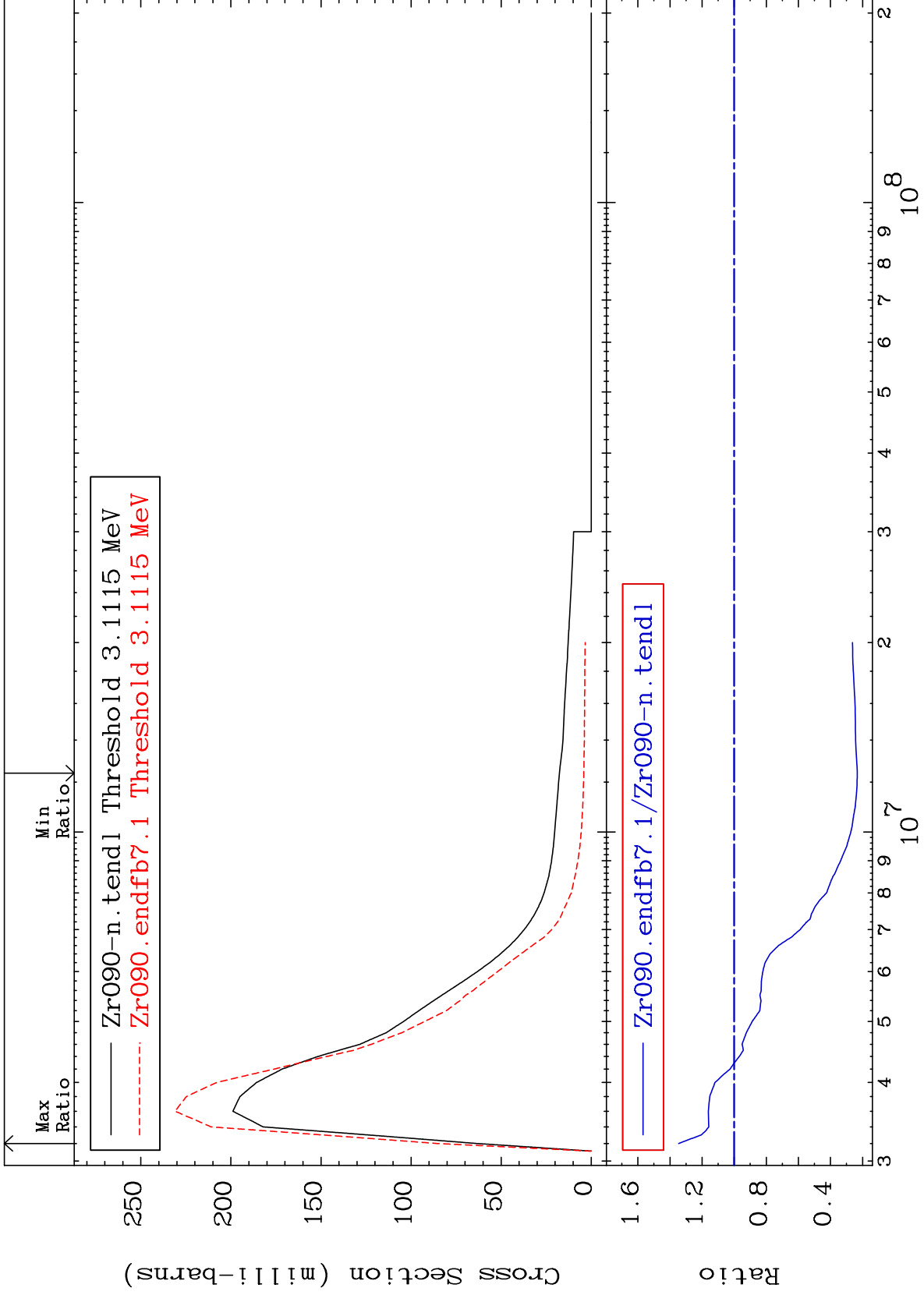
Incident Energy (eV)

40-Zr-90

MAT 4025

3.077 MeV (n,n') Level  
Cross Section

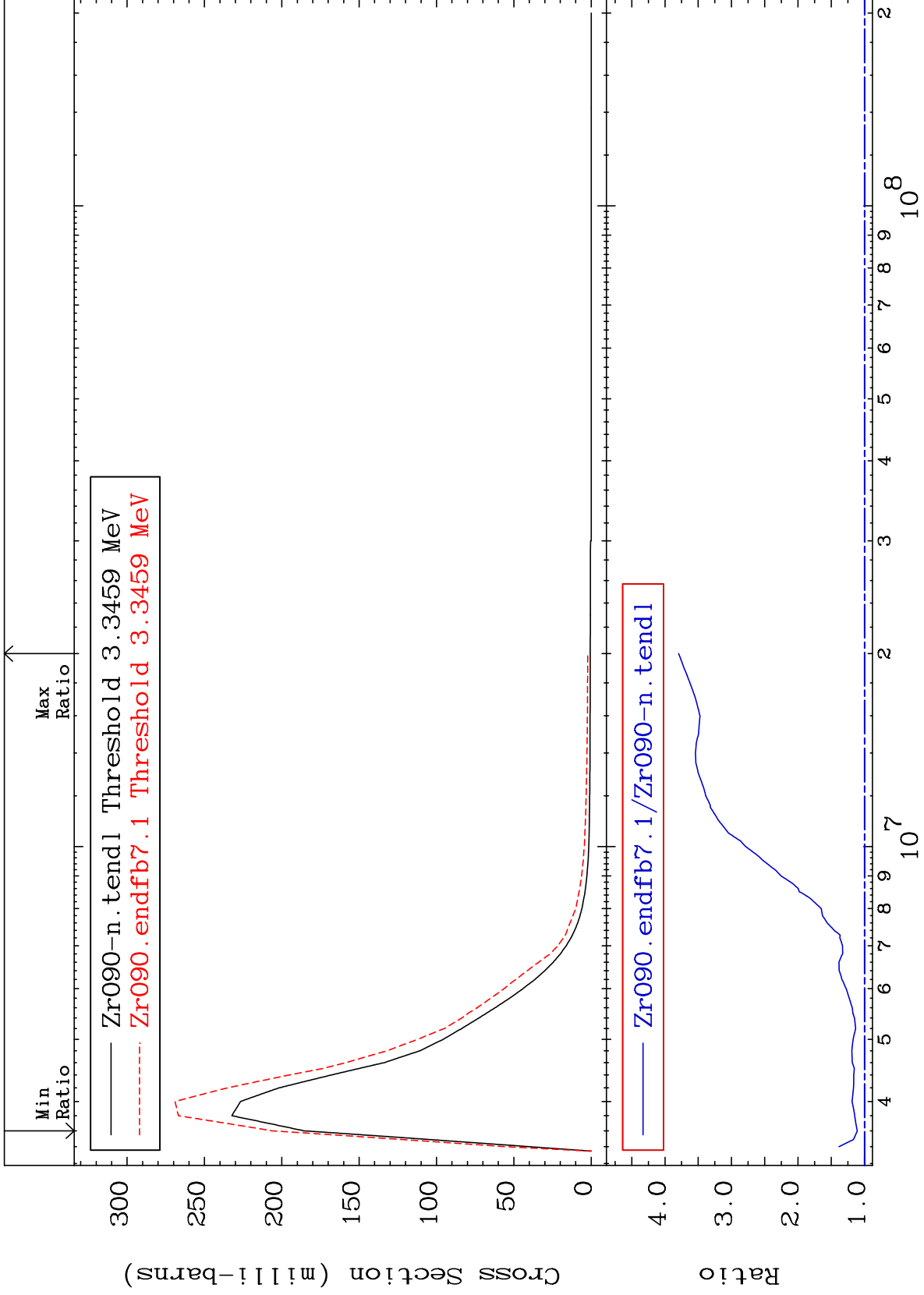
40-Zr-90  
-76.69 To 34.61 %



MAT 4025

3.309 MeV (n,n') Level  
Cross Section

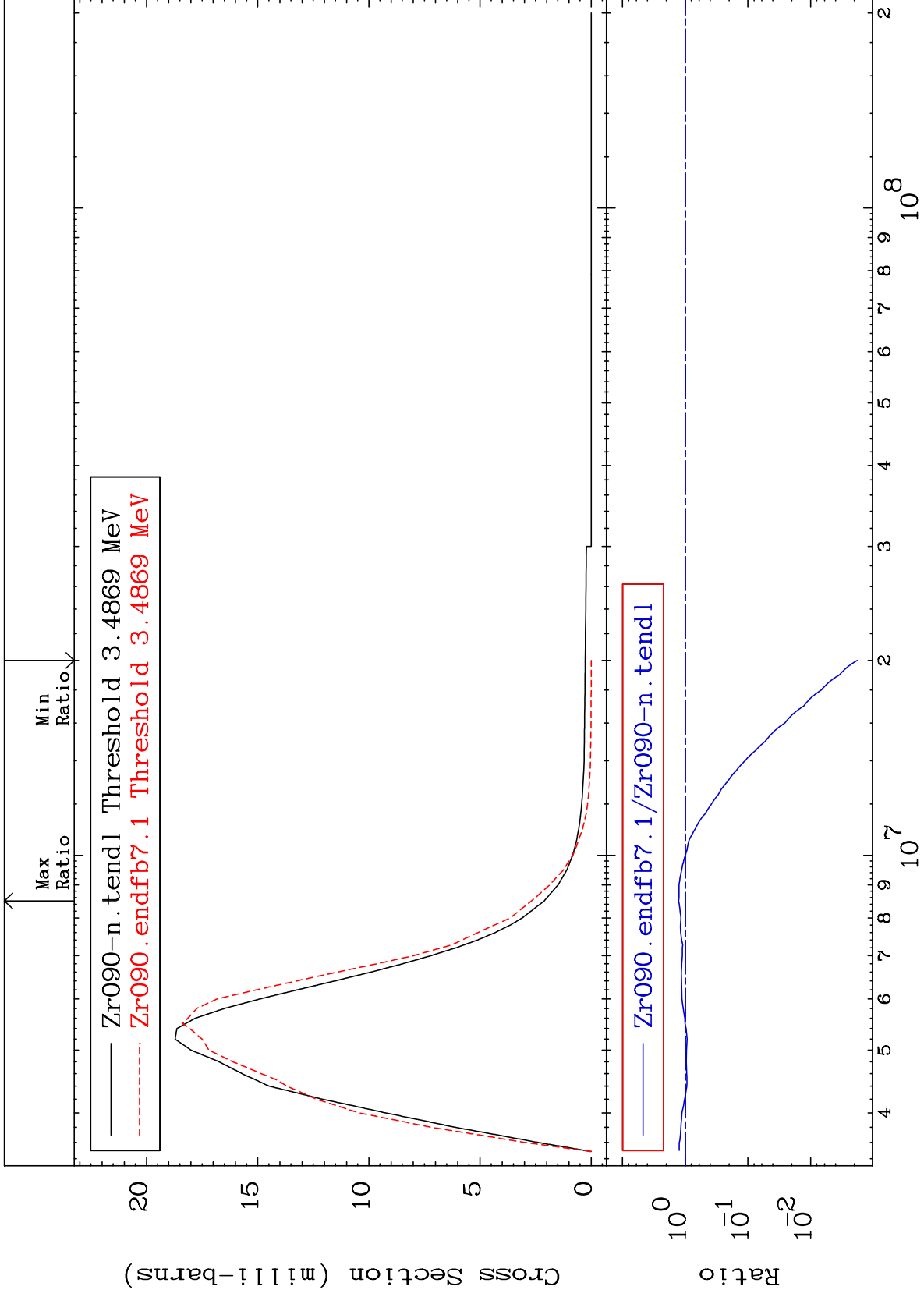
40-Zr-90  
11.01 To 279.5 %



MAT 4025

3.448 MeV (n,n') Level  
Cross Section

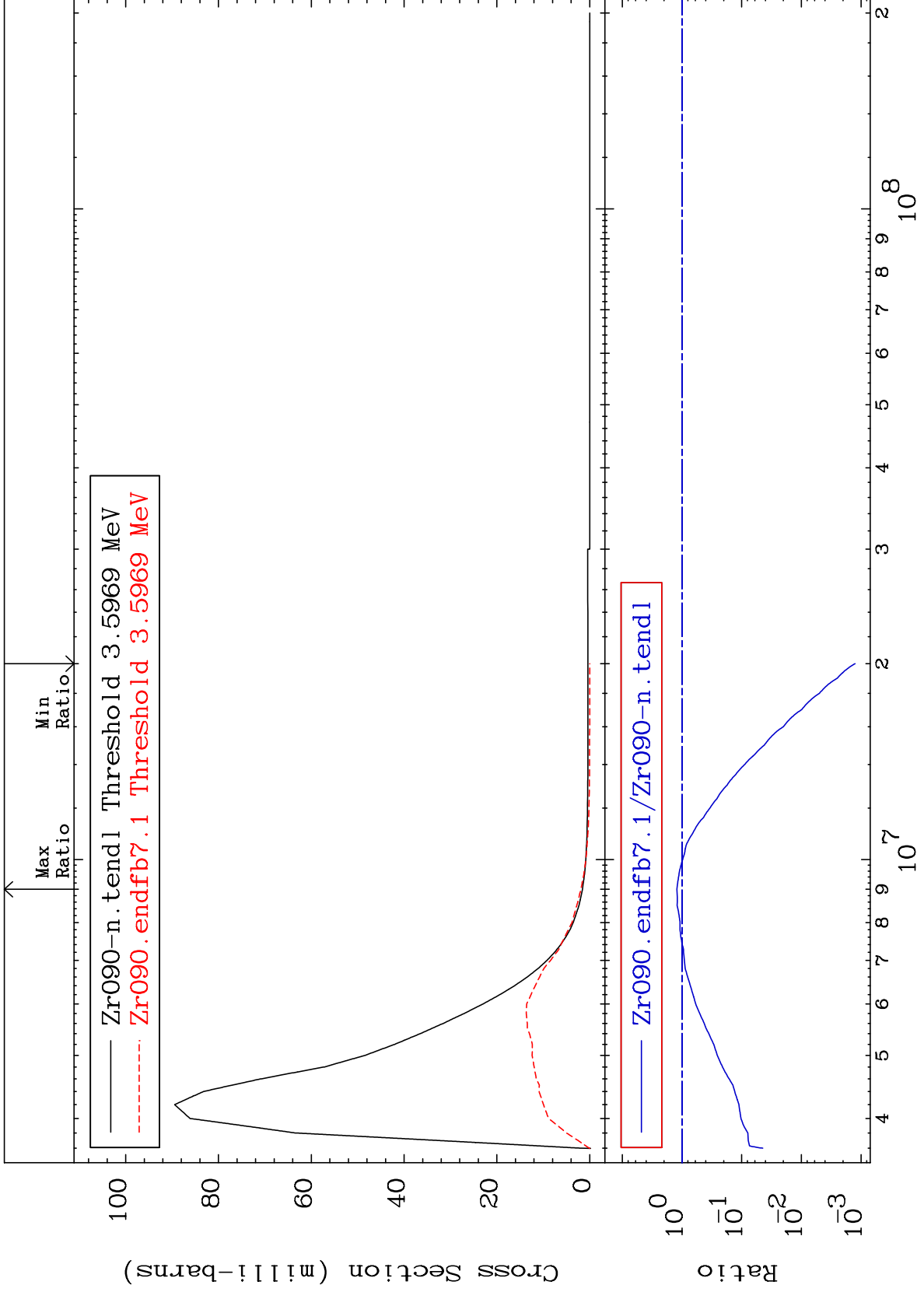
40-Zr-90  
-99.82 To 27.37 %



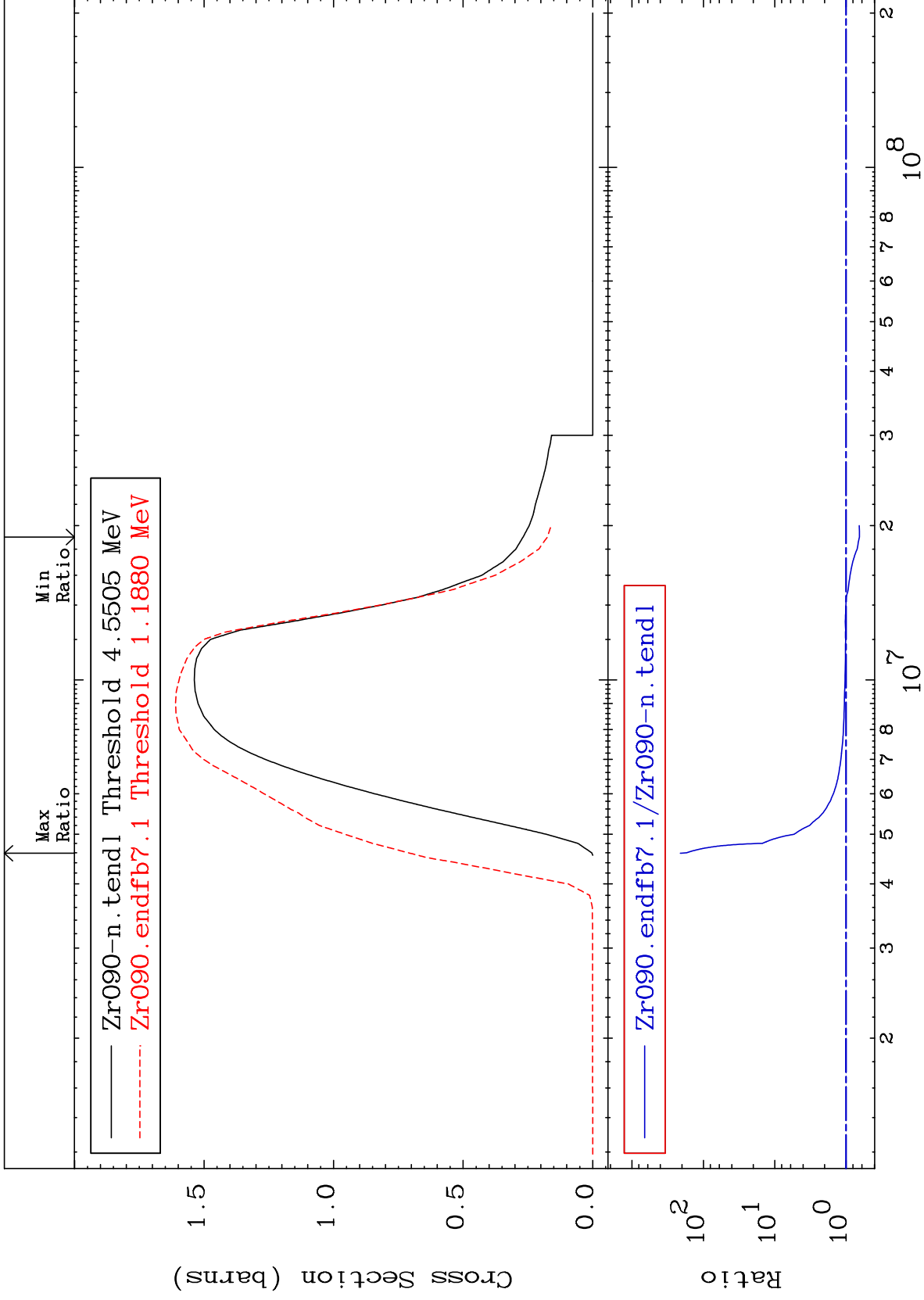
MAT 4025

3.557 MeV (n,n') Level  
Cross Section

40-Zr-90  
-99.87 To 21.87 %



15





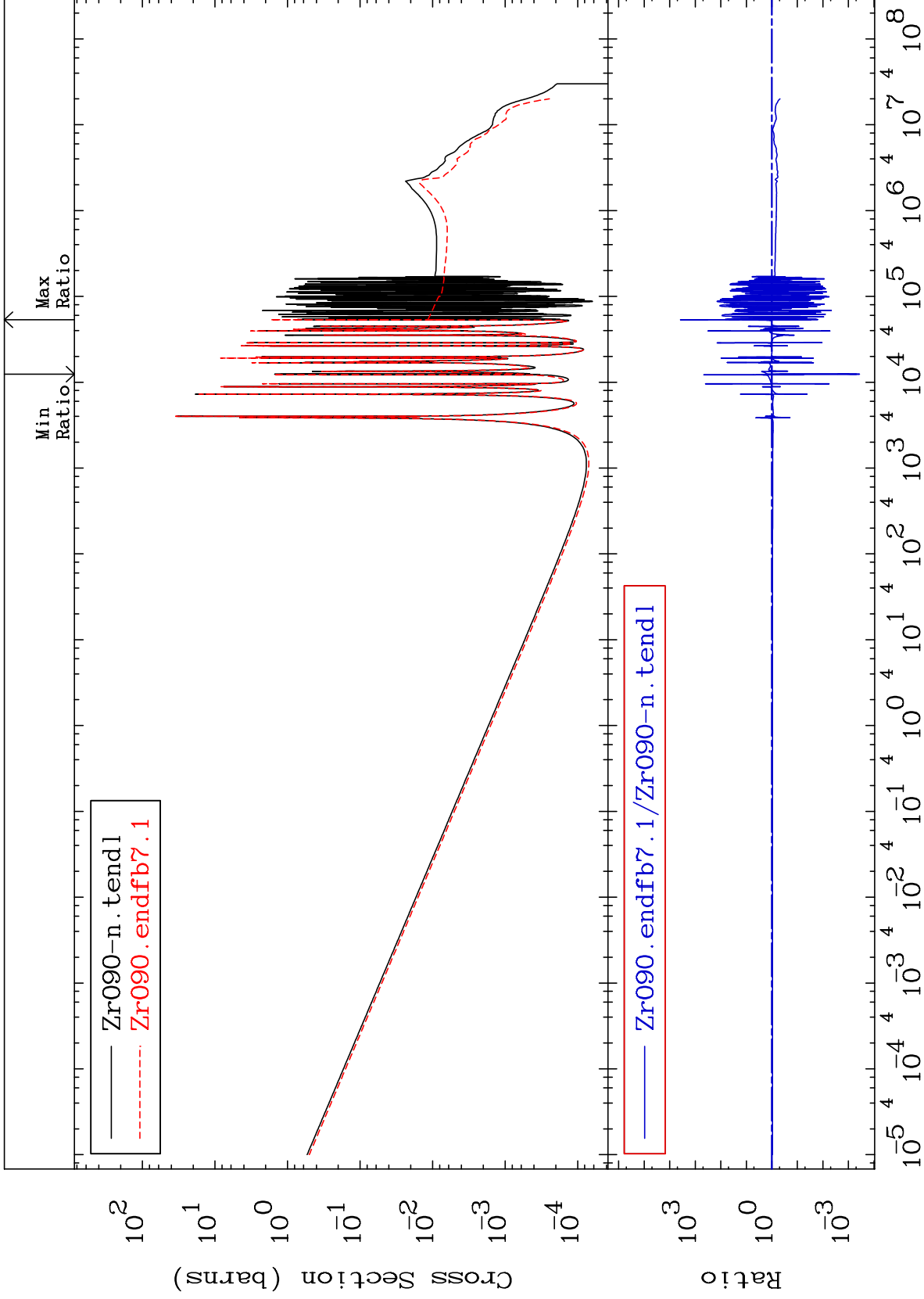
MAT 4025

(n,  $\gamma$ )

40-Zr-90

Cross Section

-99.96 To 9999. %



17

Incident Energy (eV)

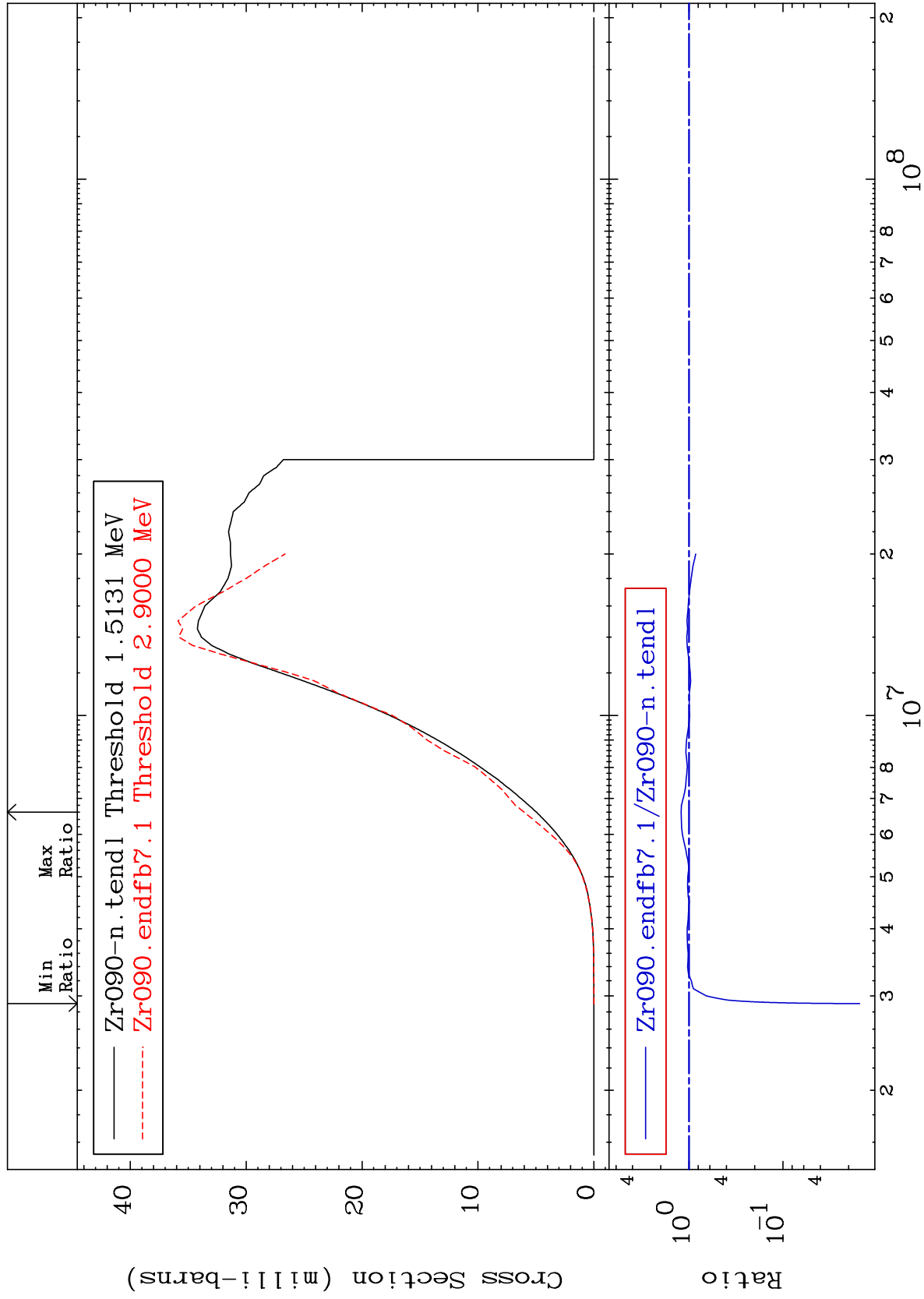
40-Zr-90

MAT 4025

(n,p)  
Cross Section

40-Zr-90

-98.48 To 21.42 %



18

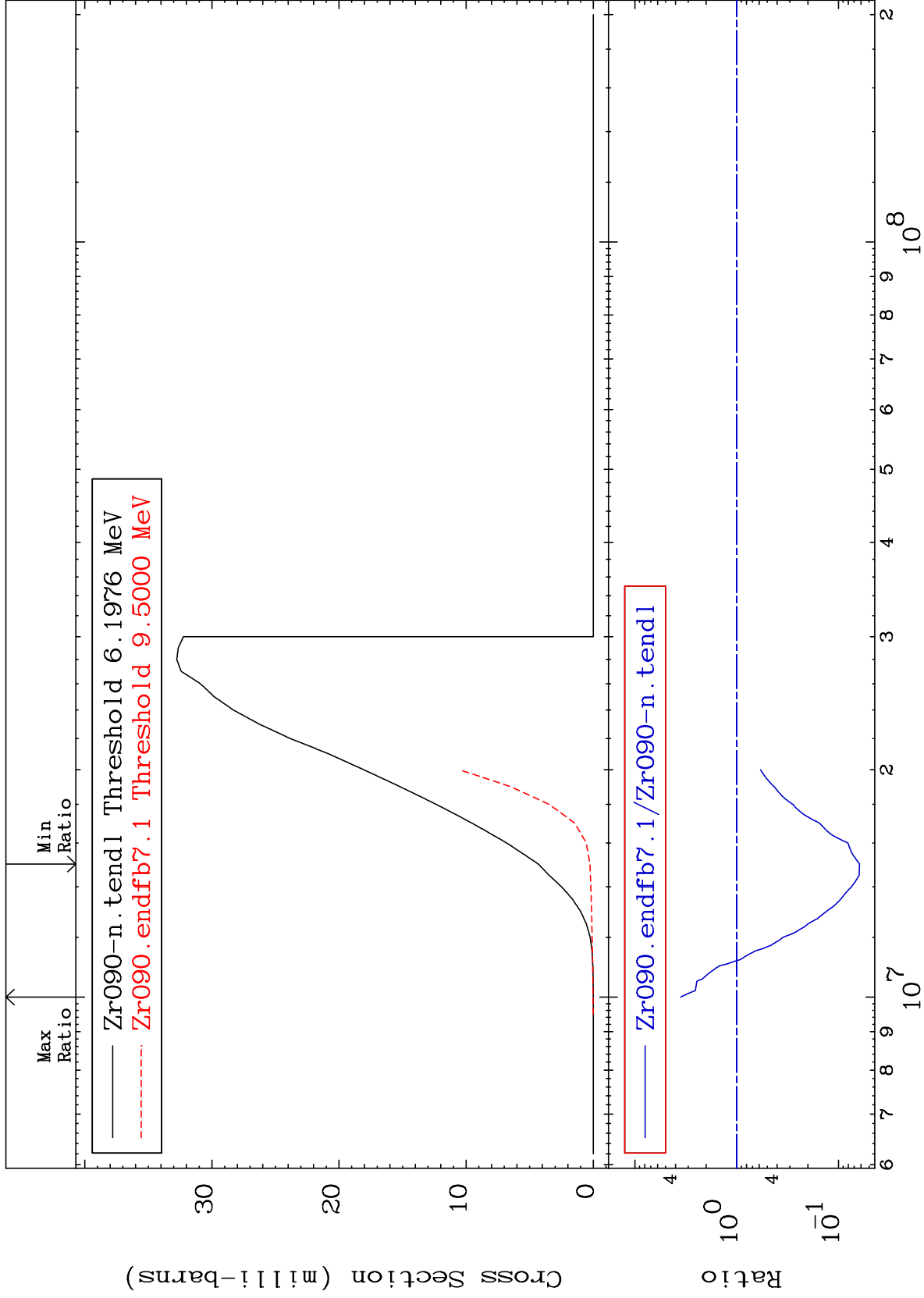
Incident Energy (eV)

40-Zr-90

MAT 4025

(n, d)  
Cross Section

40-Zr-90  
-93.80 To 254.6 %



19

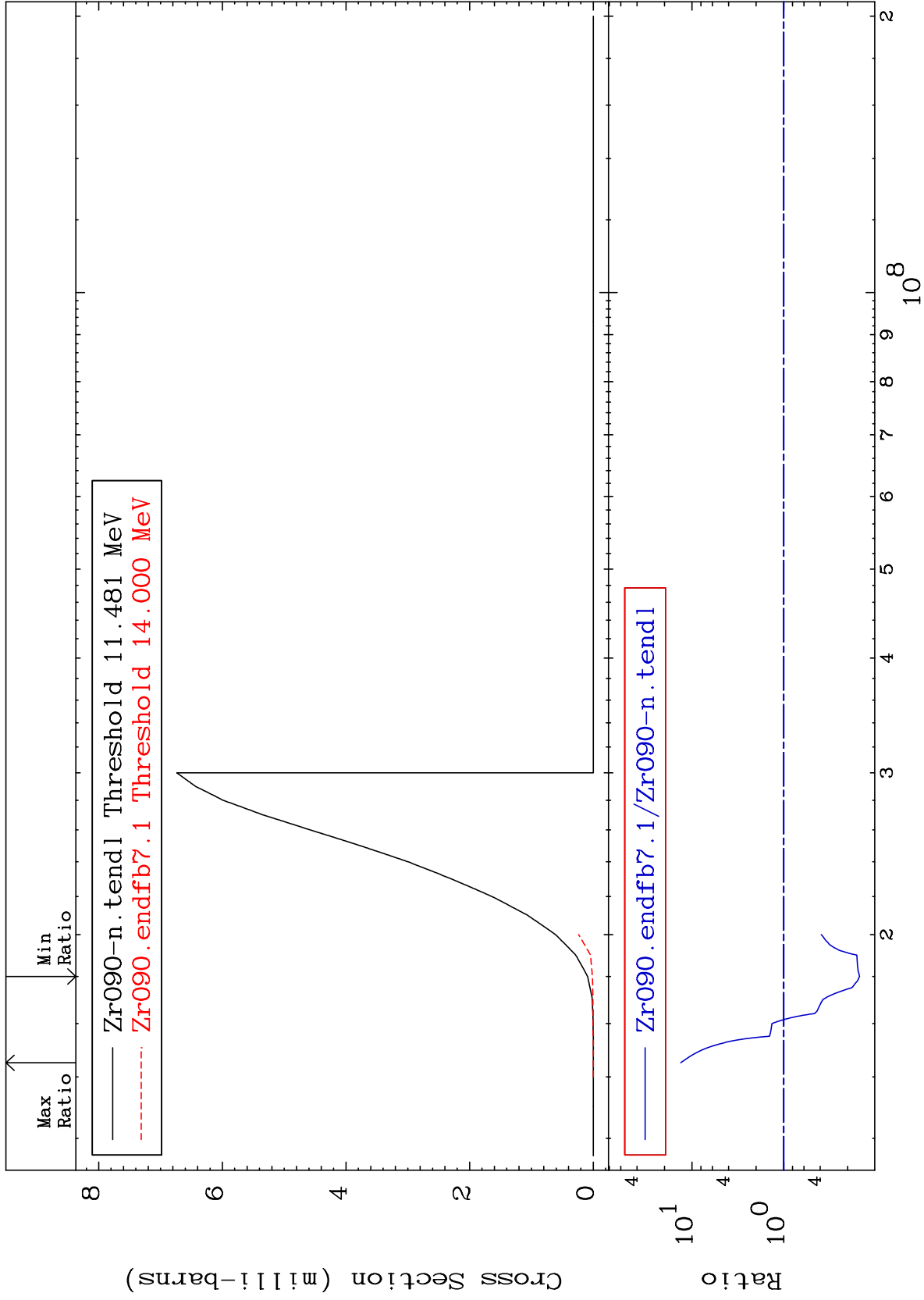
40-Zr-90

40-Zr-90

MAT 4025

(n, t)  
Cross Section

40-Zr-90  
-85.15 To 1228. %



20

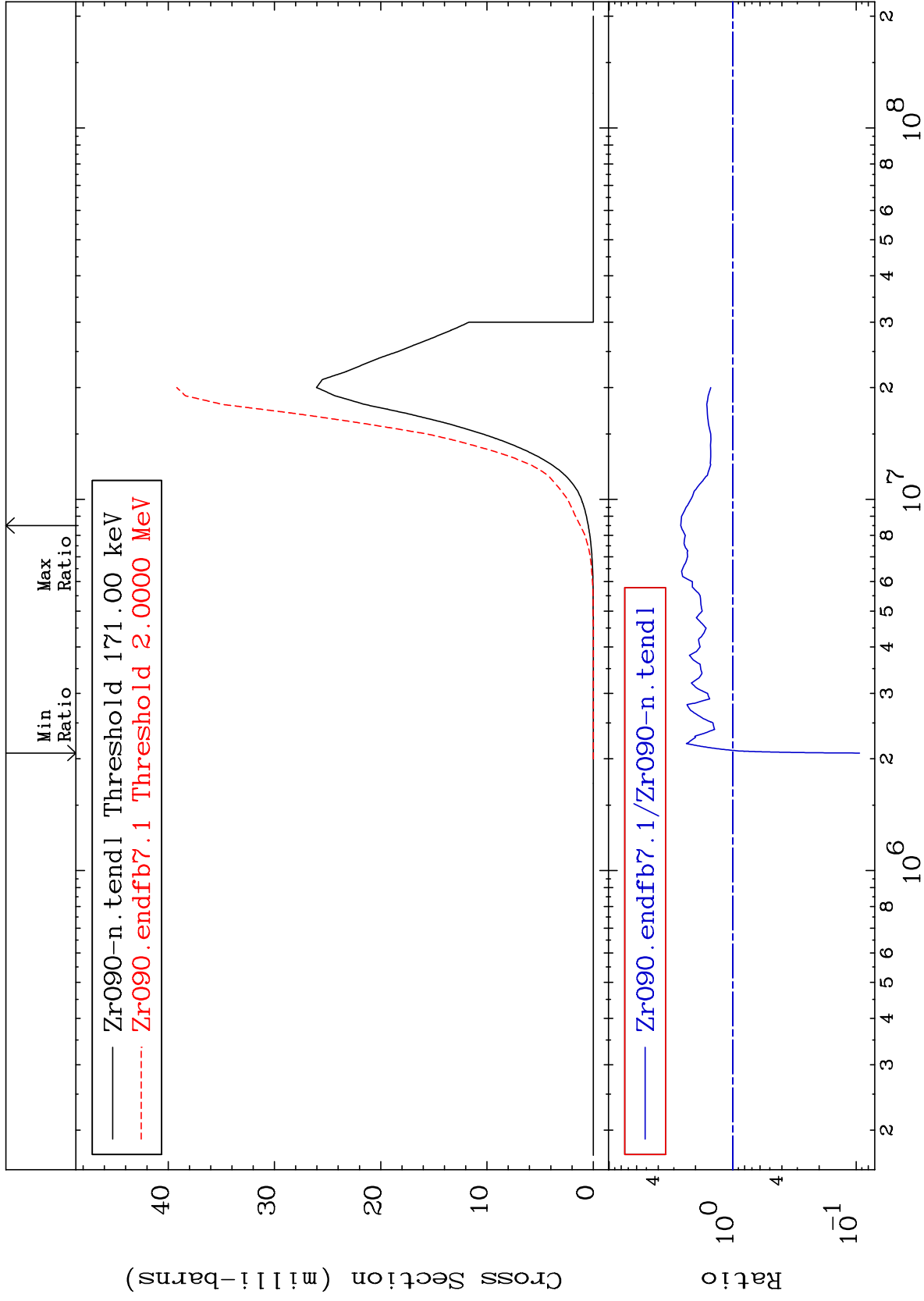
Incident Energy (eV)

40-Zr-90

MAT 4025

(n,  $\alpha$ )  
Cross Section

40-Zr-90  
-90.60 To 163.2 %



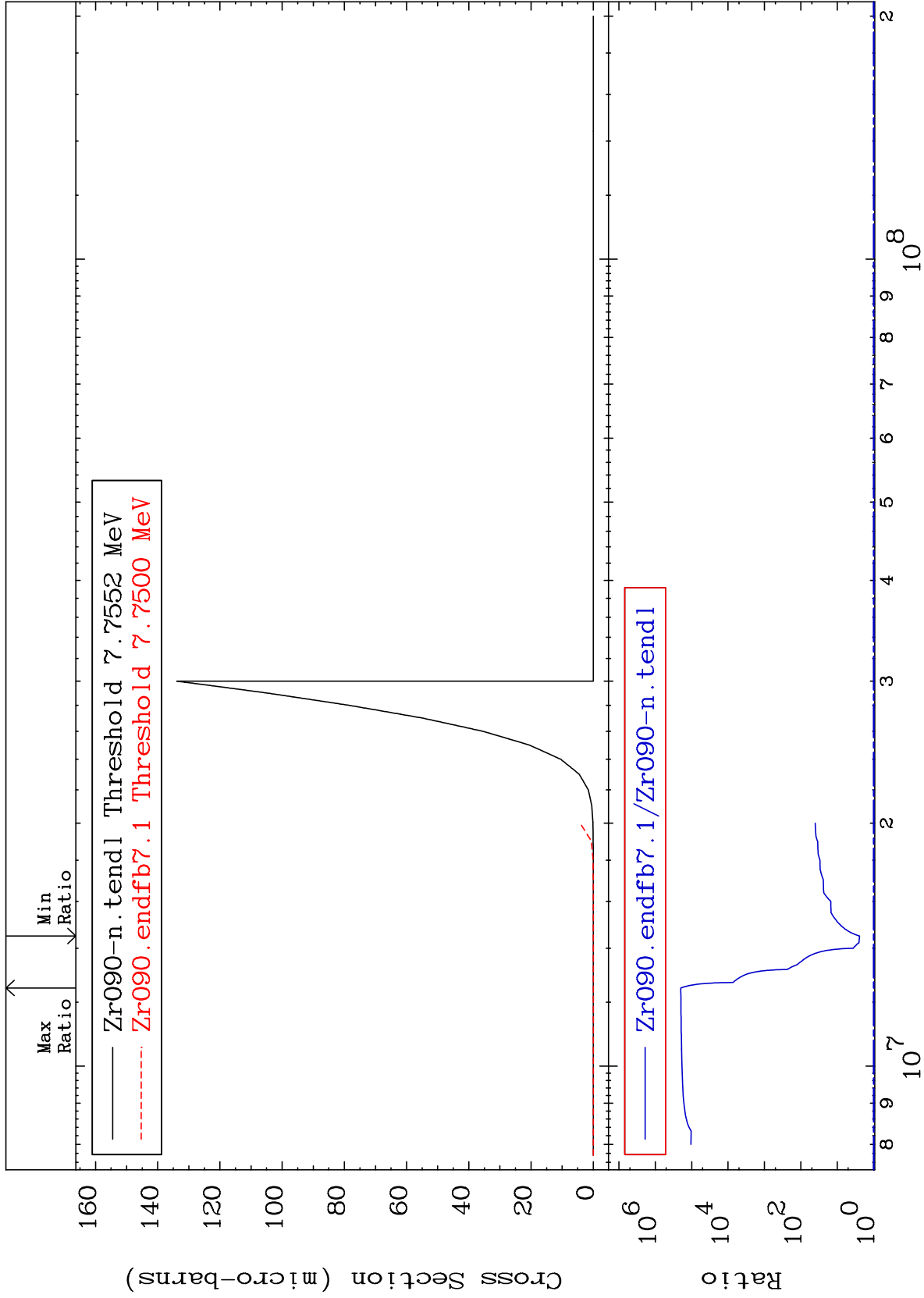
MAT 4025

(n, p)  $\alpha$

40-Zr-90

Cross Section

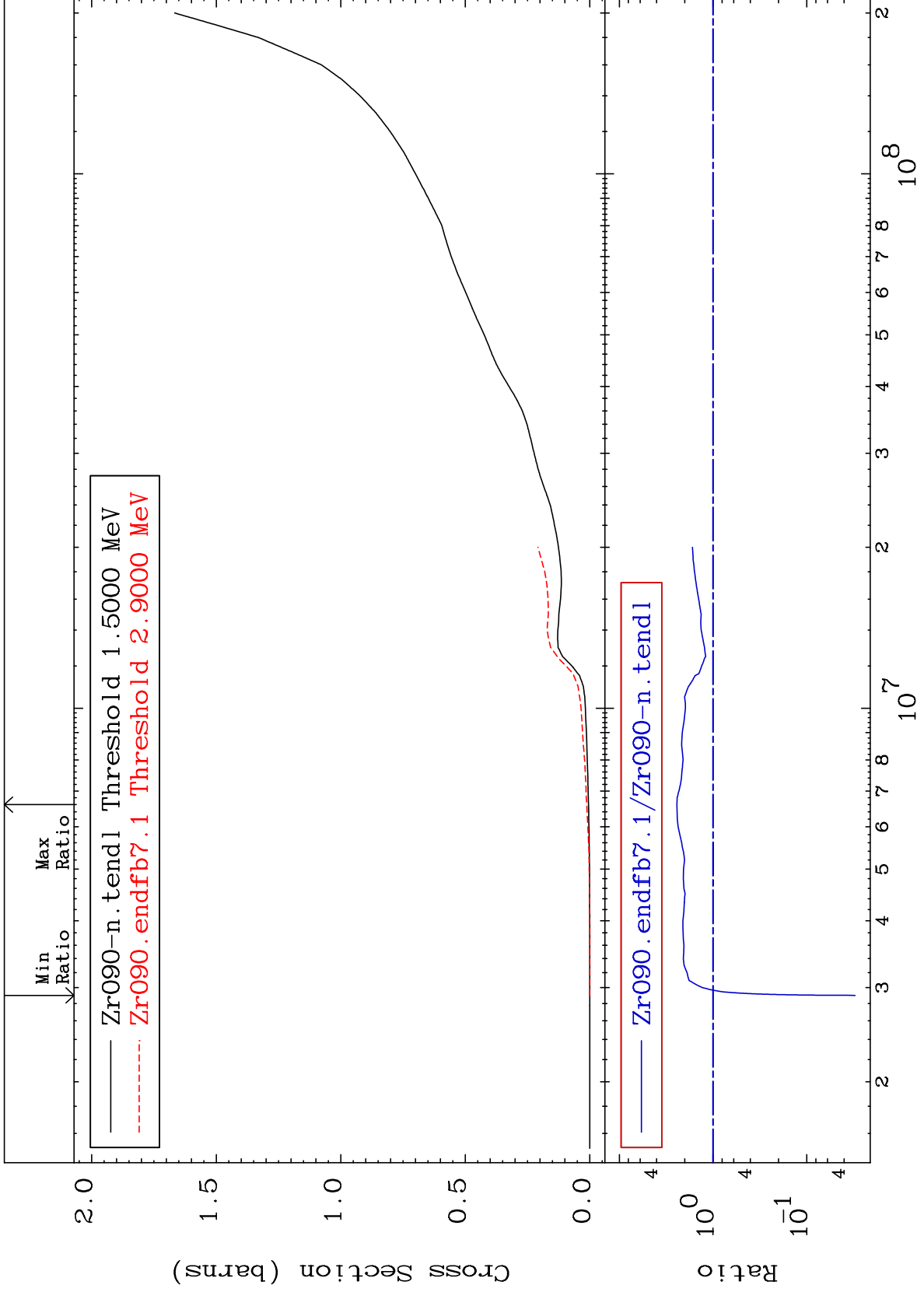
143.3 To 9999. %



MAT 4025

Hydrogen Production  
Cross Section

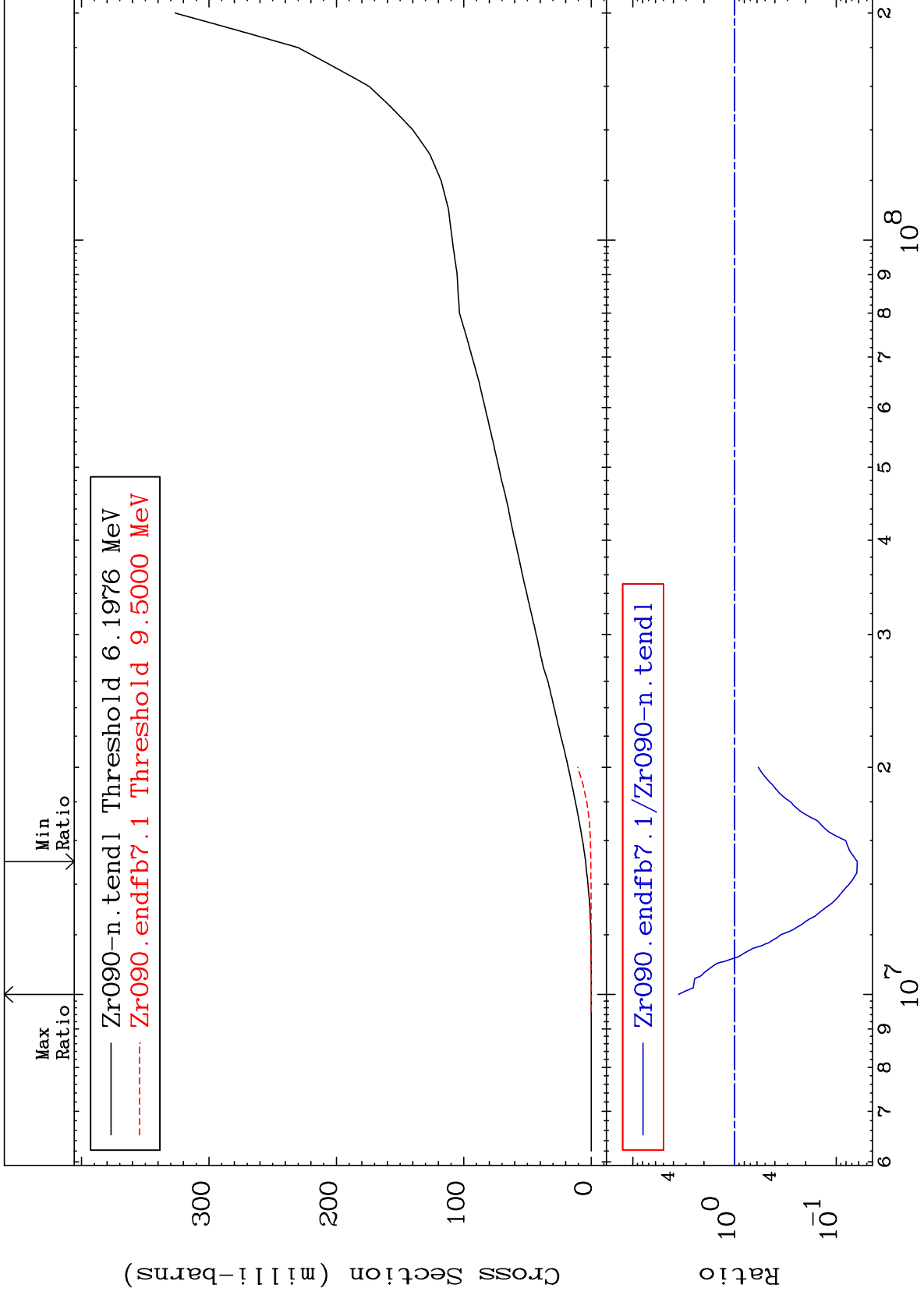
40-Zr-90  
-96.95 To 142.8 %



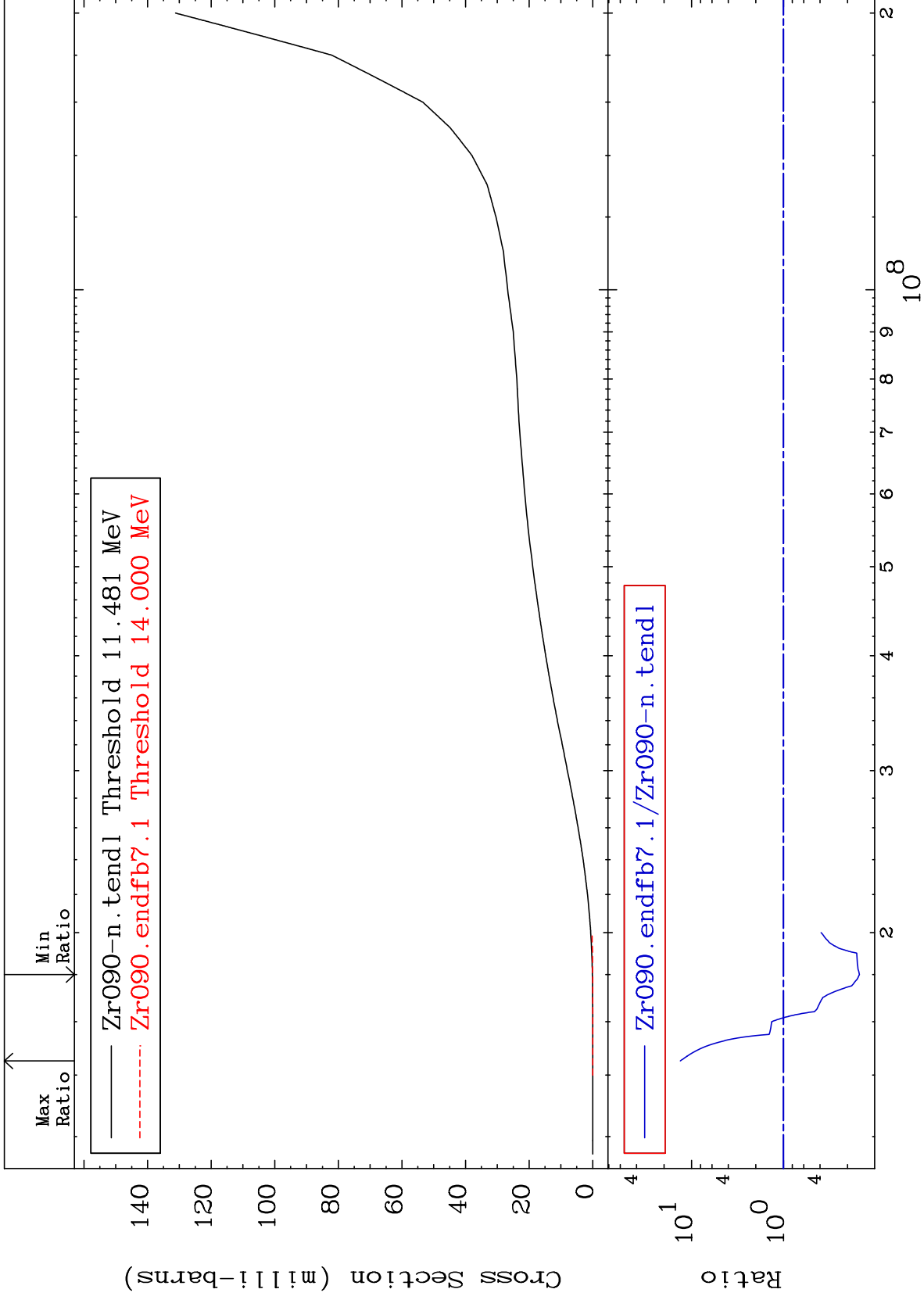
MAT 4025

Deuterium Production  
Cross Section

40-Zr-90  
-93.80 To 254.6 %



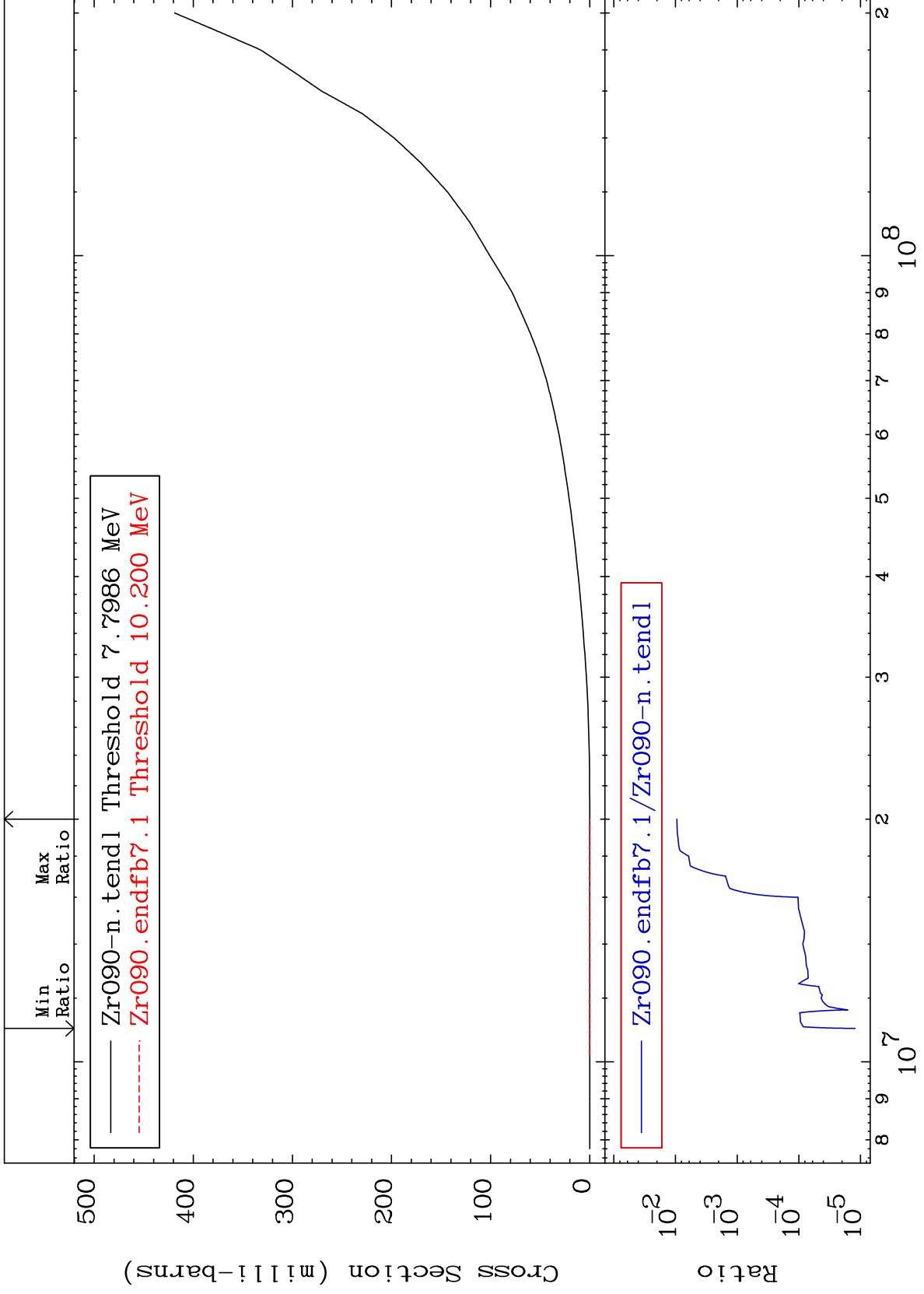


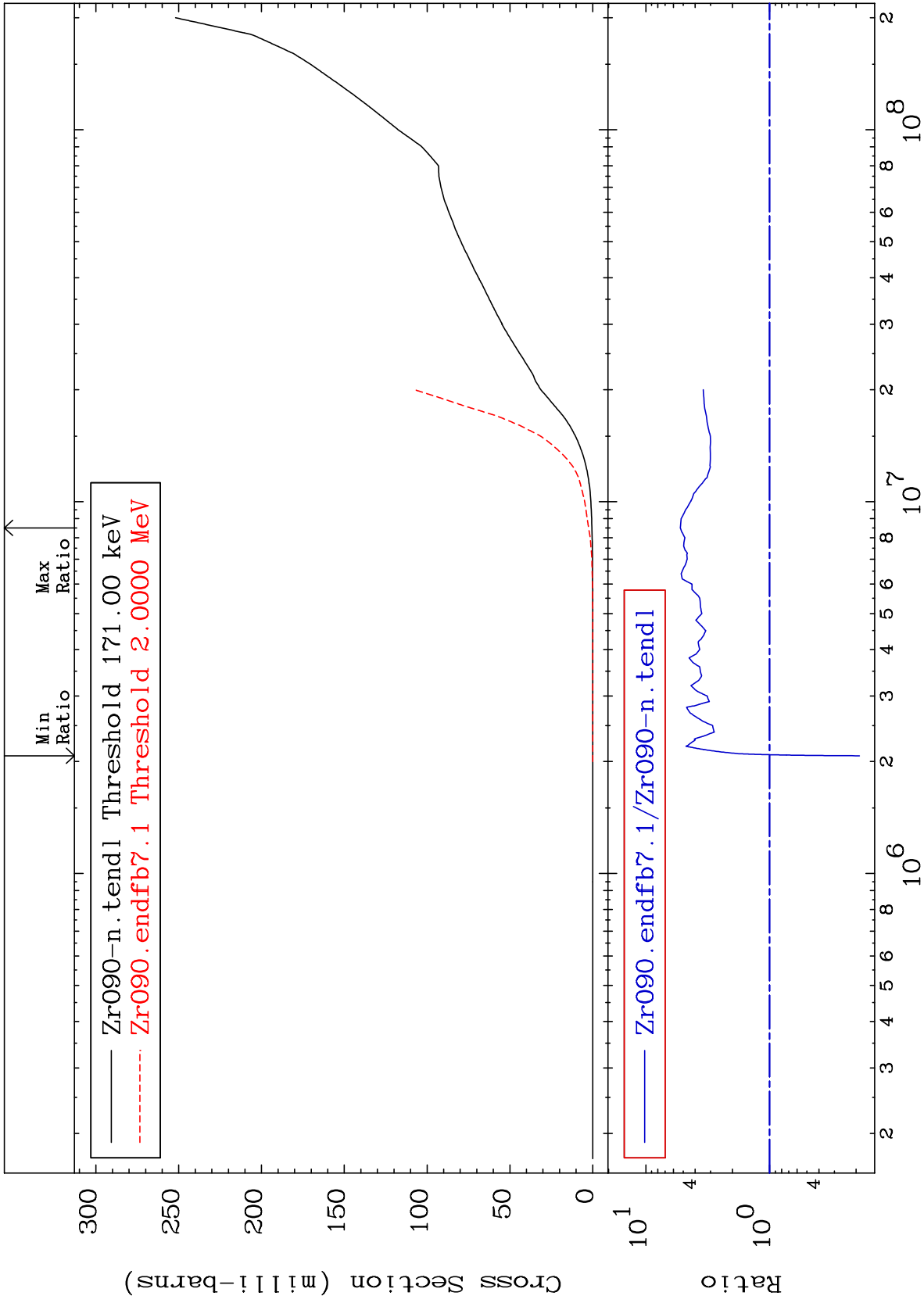


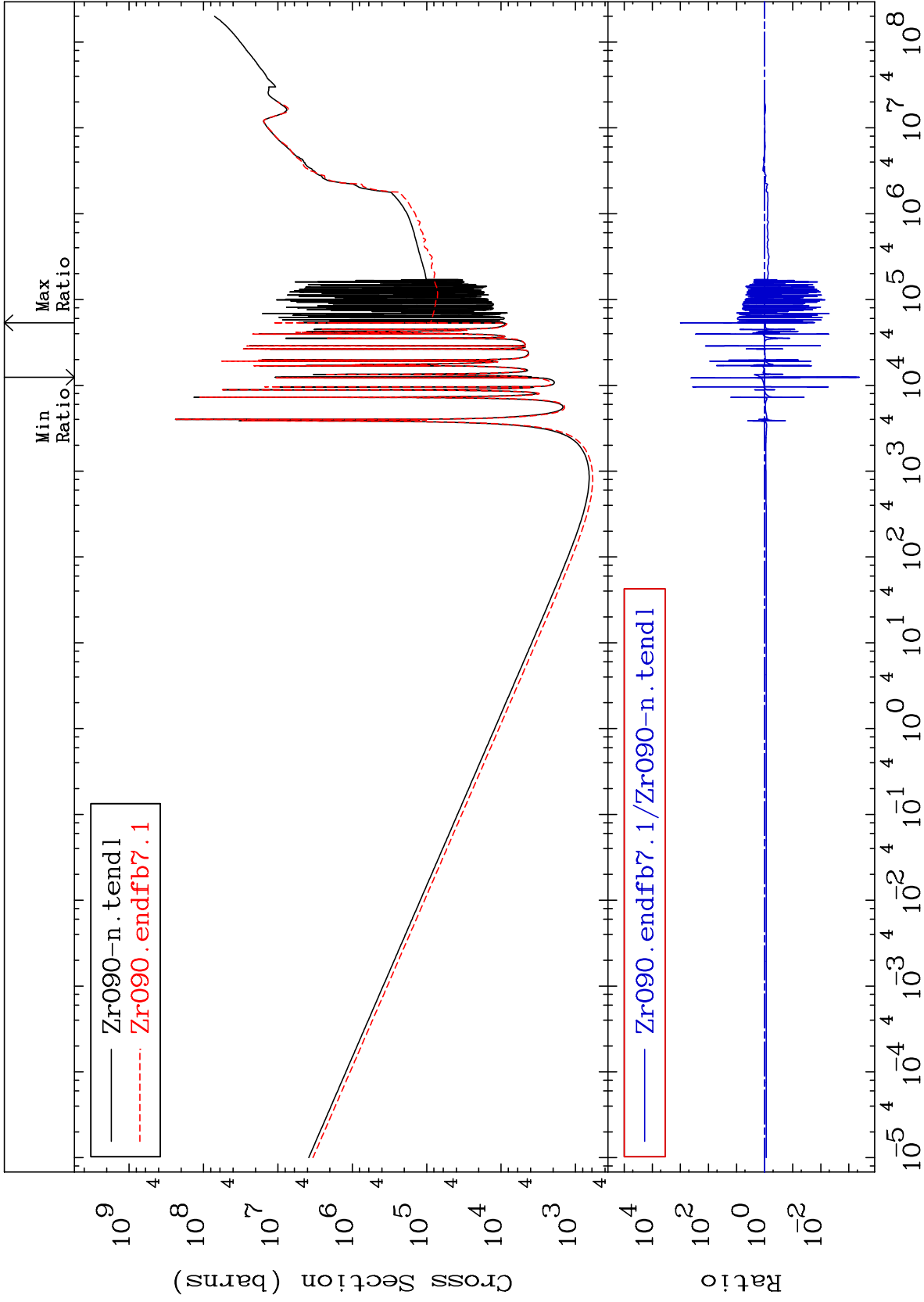
MAT 4025

He-3 Production  
Cross Section

40-Zr-90  
-100.0 To -99.05%



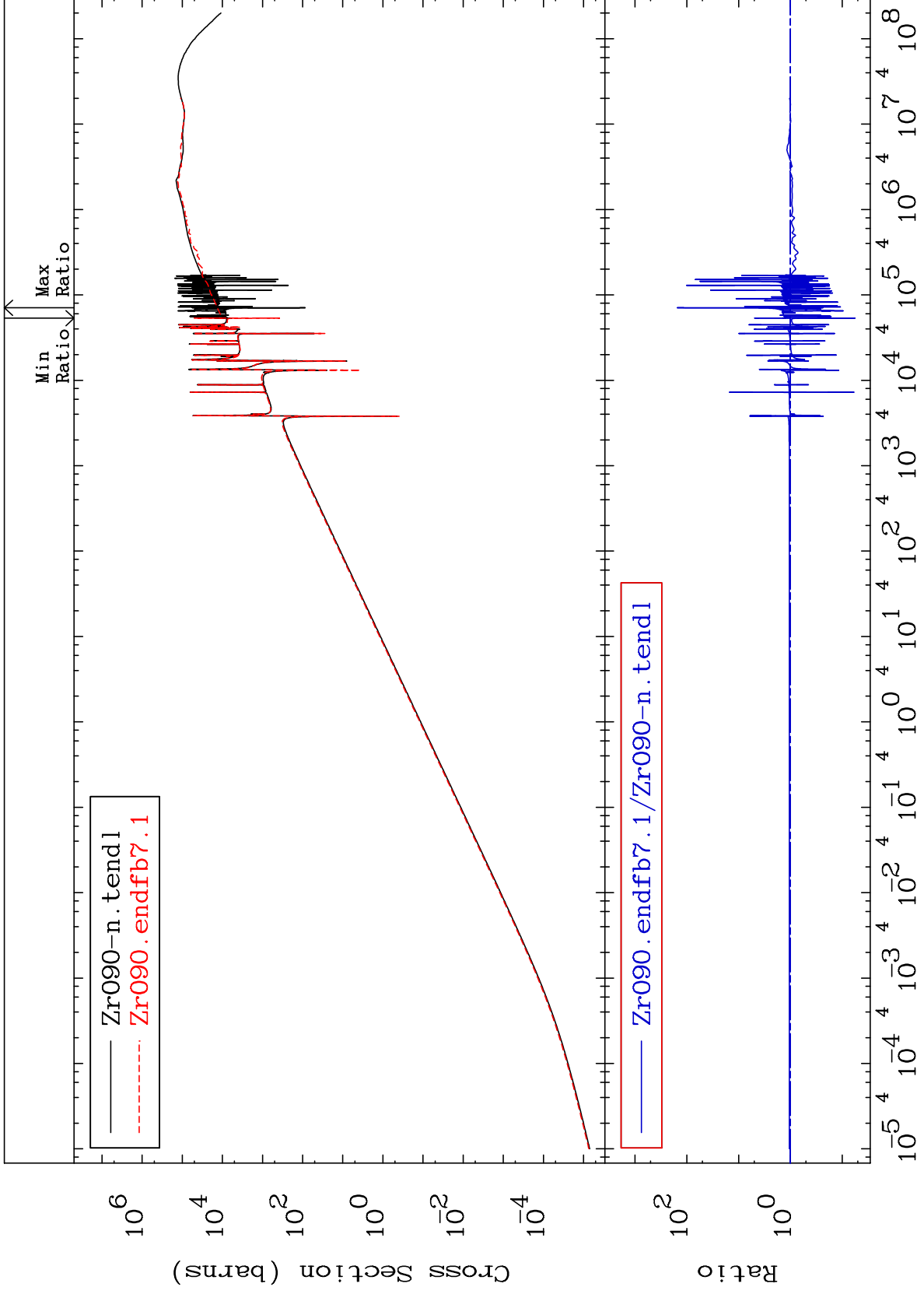


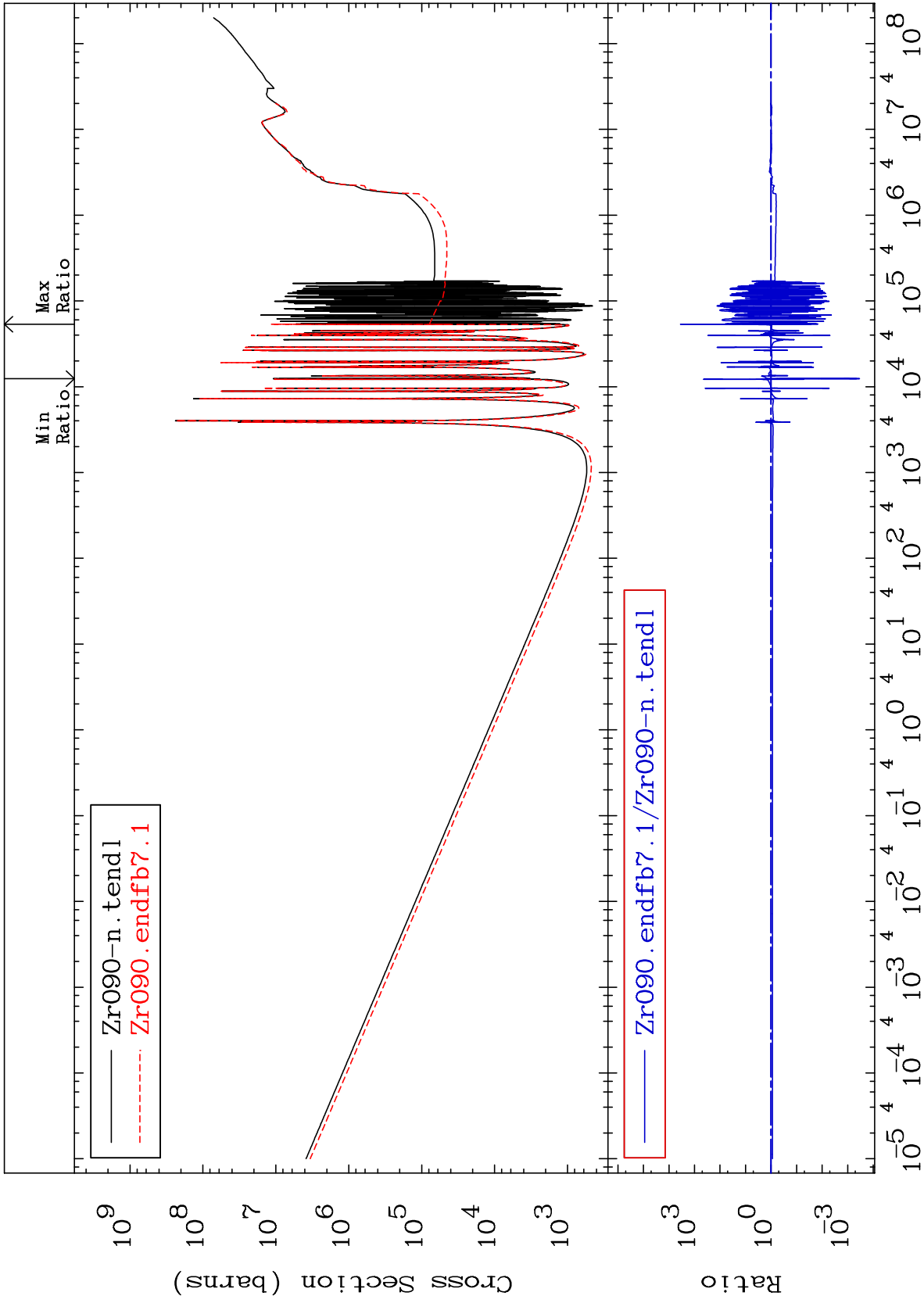


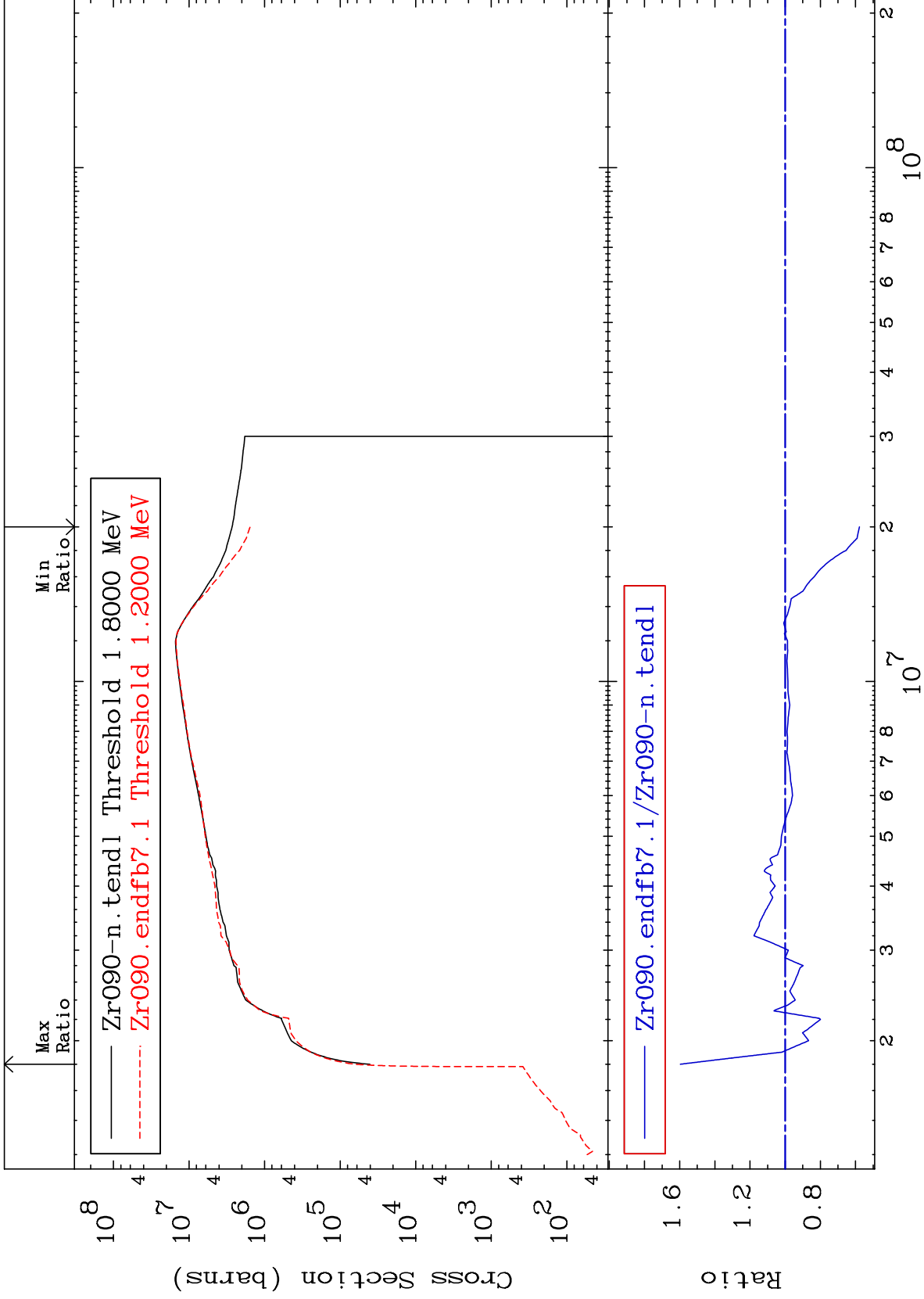
MAT 4025

Kerma elastic  
Cross Section

40-Zr-90  
-94.36 To 9999. %



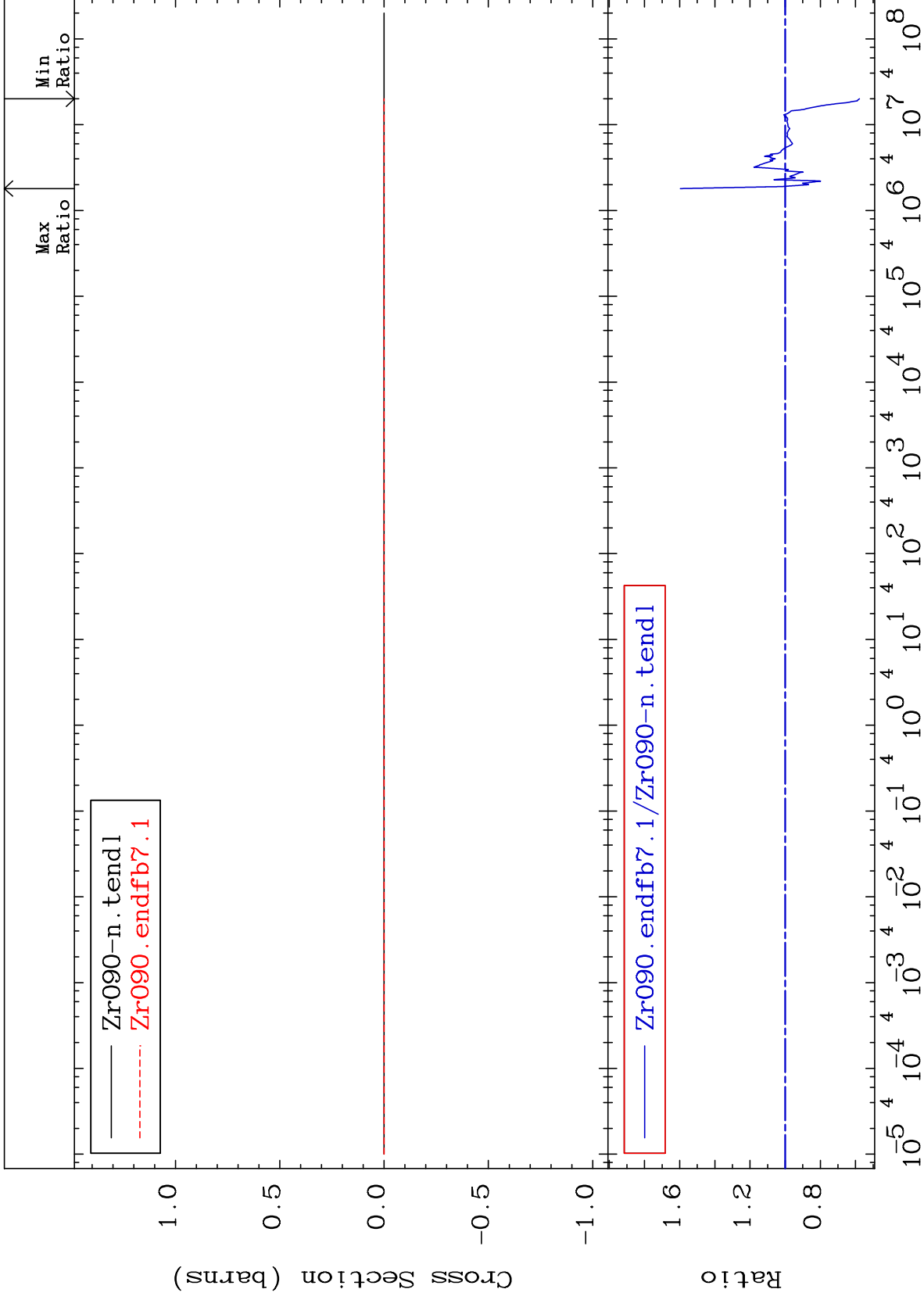




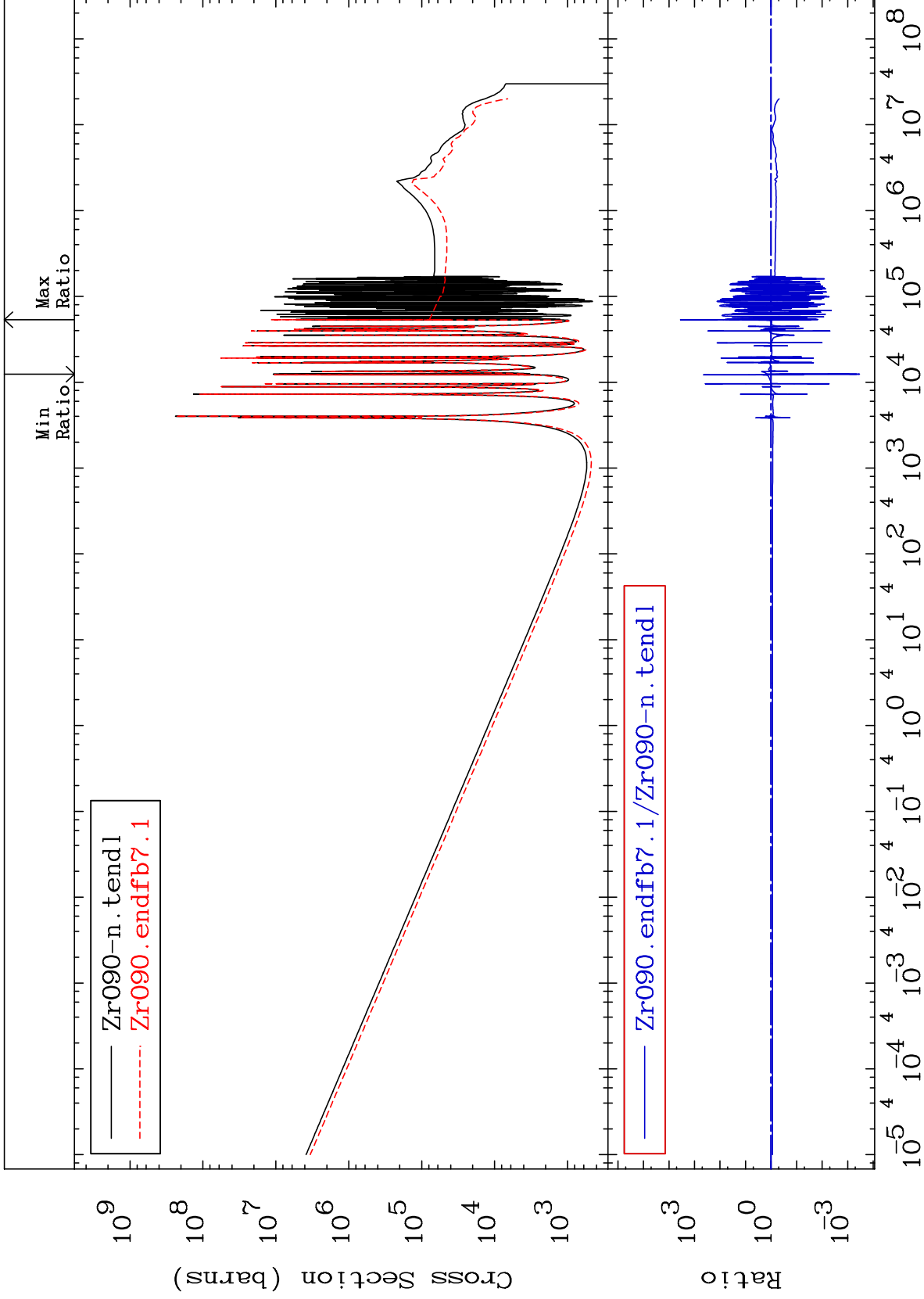
MAT 4025

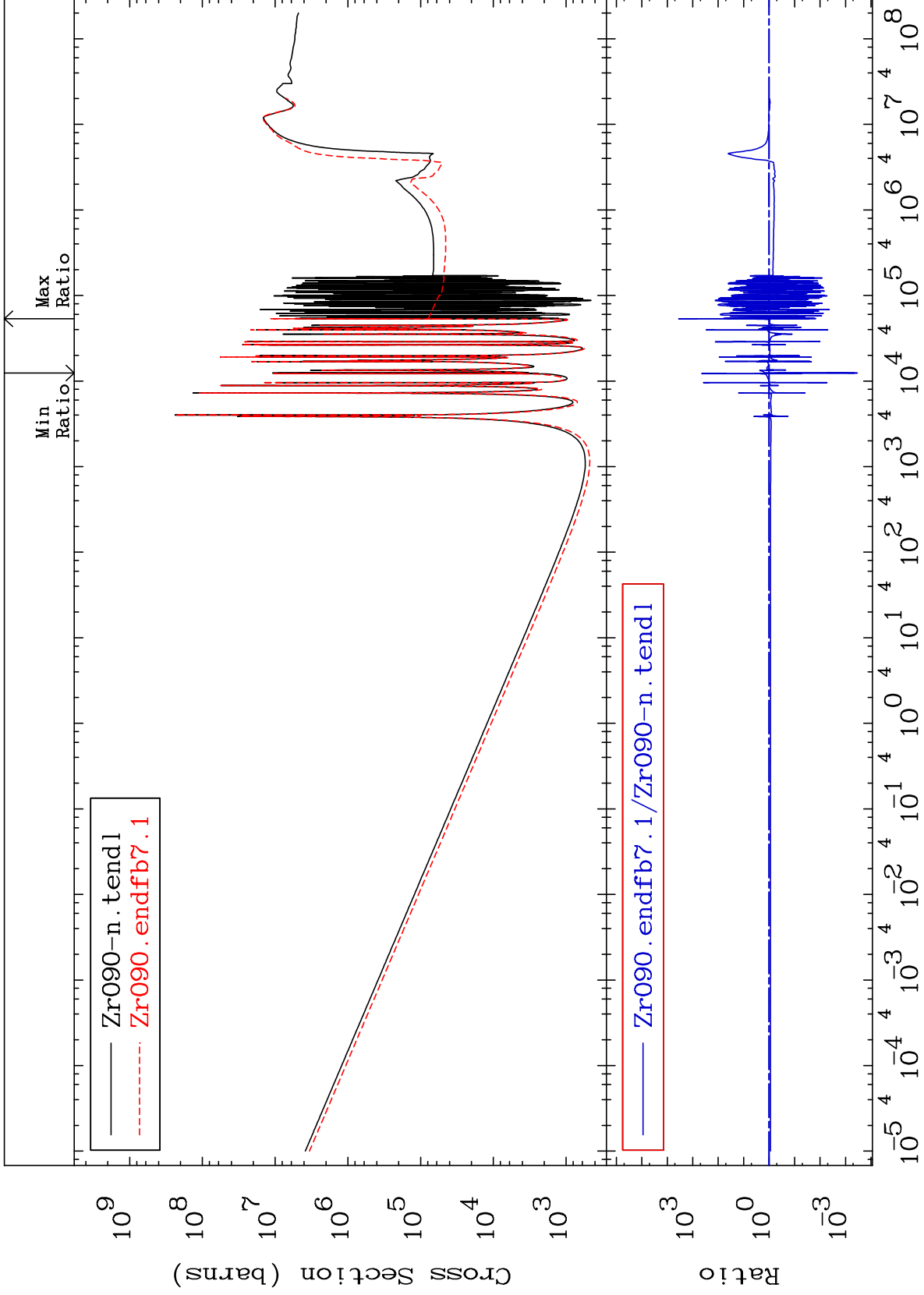
Kerma fission (mt18 or mt19-20-21-38)  
Cross Section

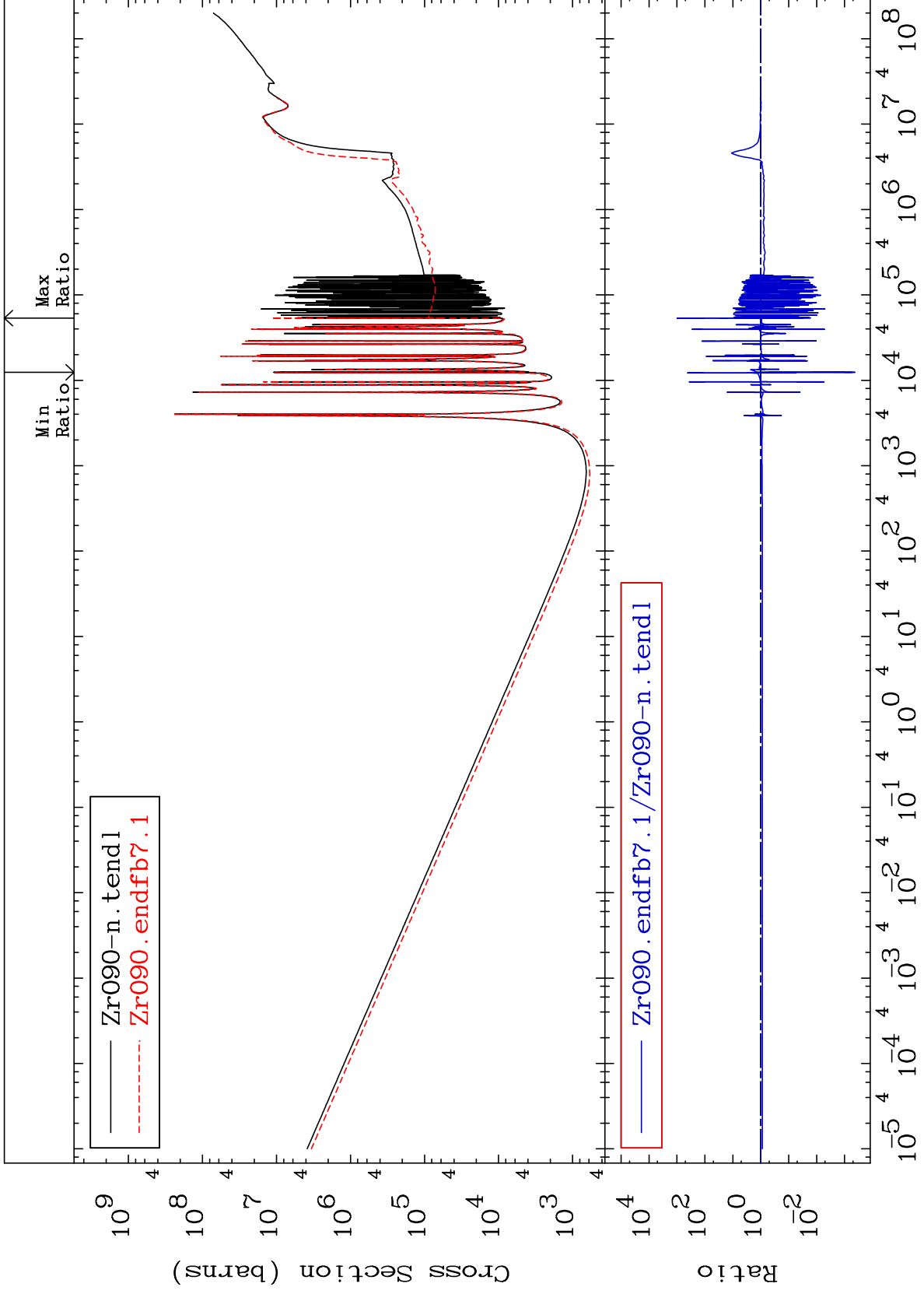
40-Zr-90  
-42.21 To 59.60 %









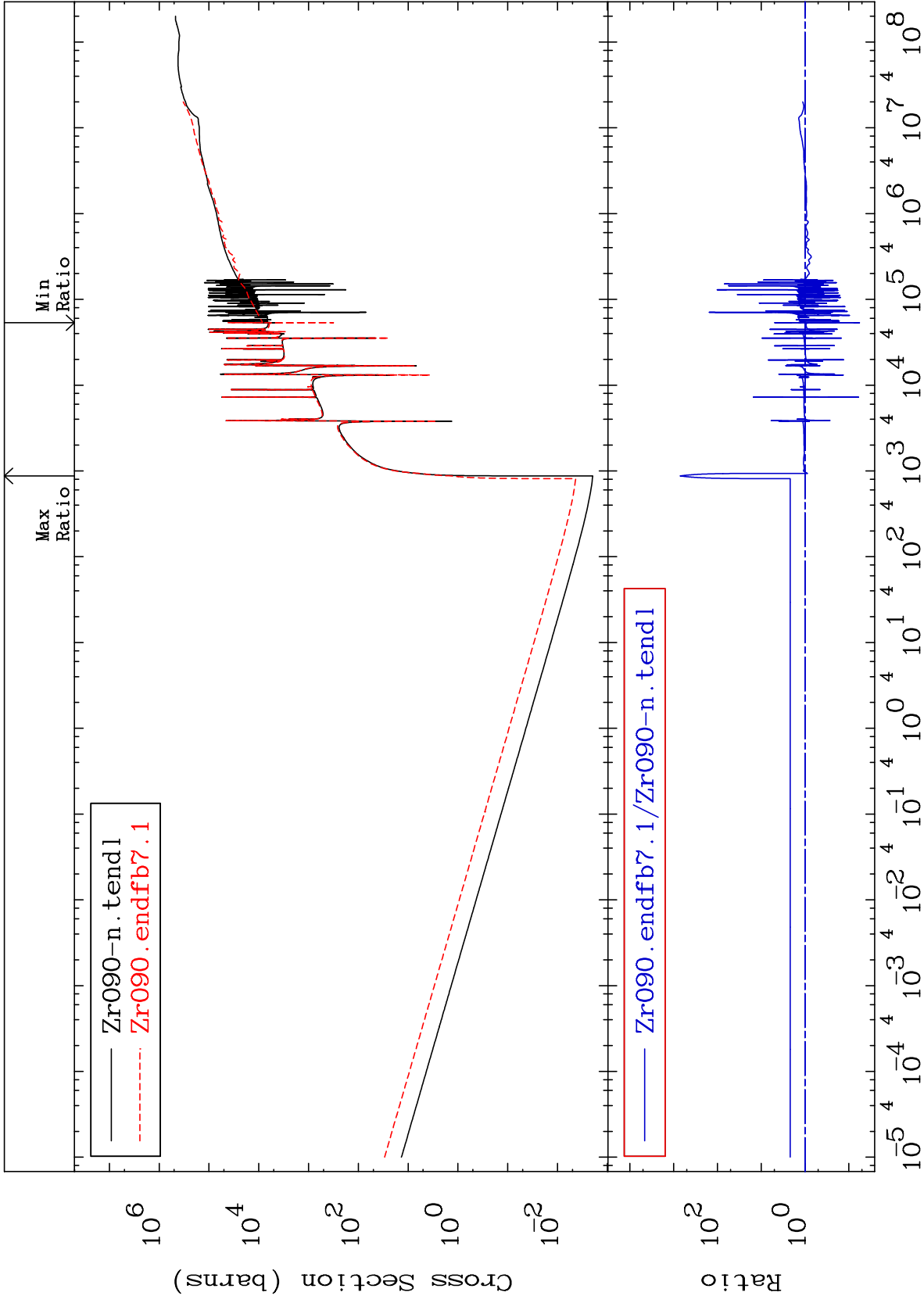


MAT 4025

Dpa total (eV-barns)

40-Zr-90

-94.31 To 9999. %



36

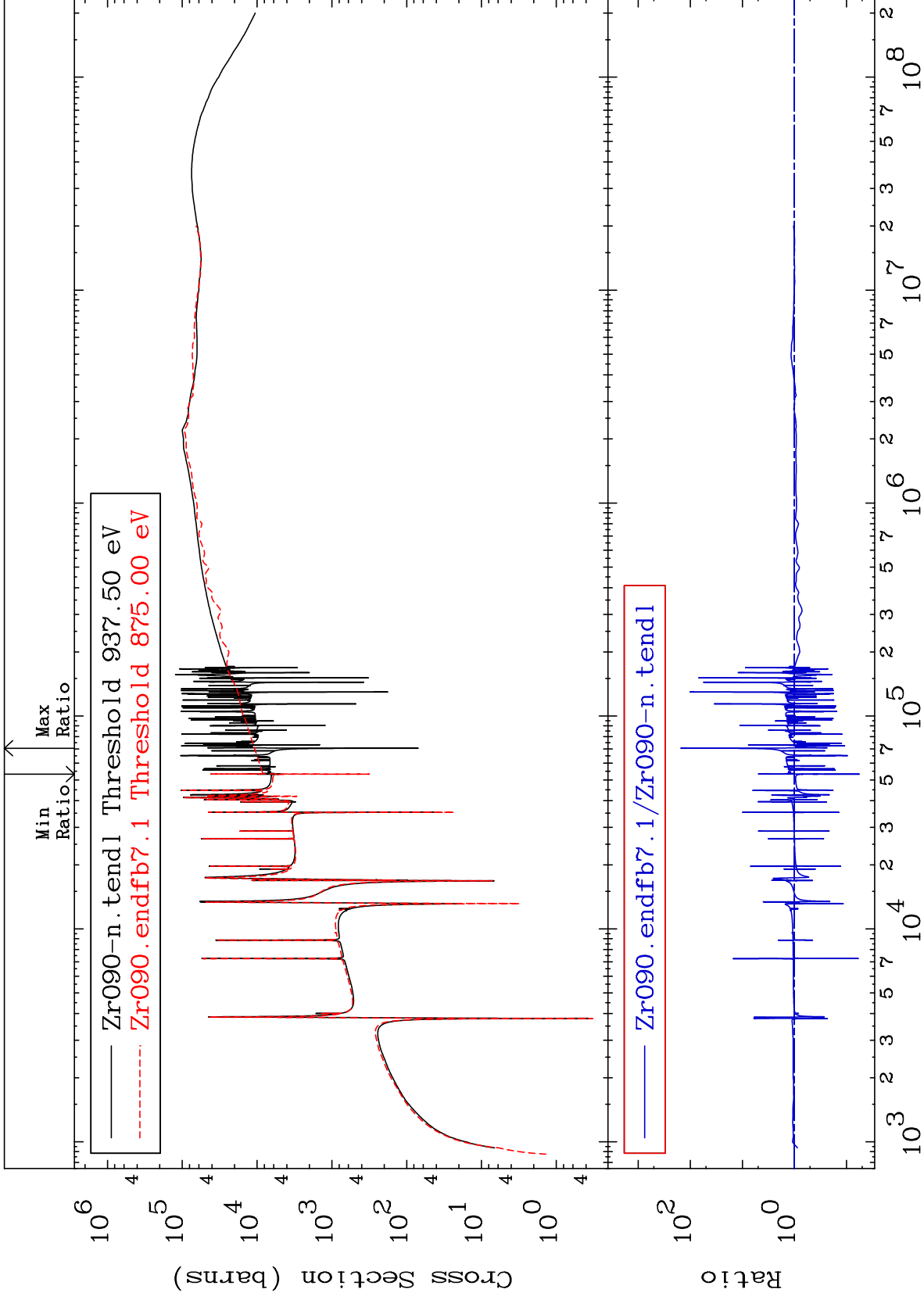
Incident Energy (eV)

40-Zr-90

MAT 4025

Dpa elastic (mt2)  
Cross Section

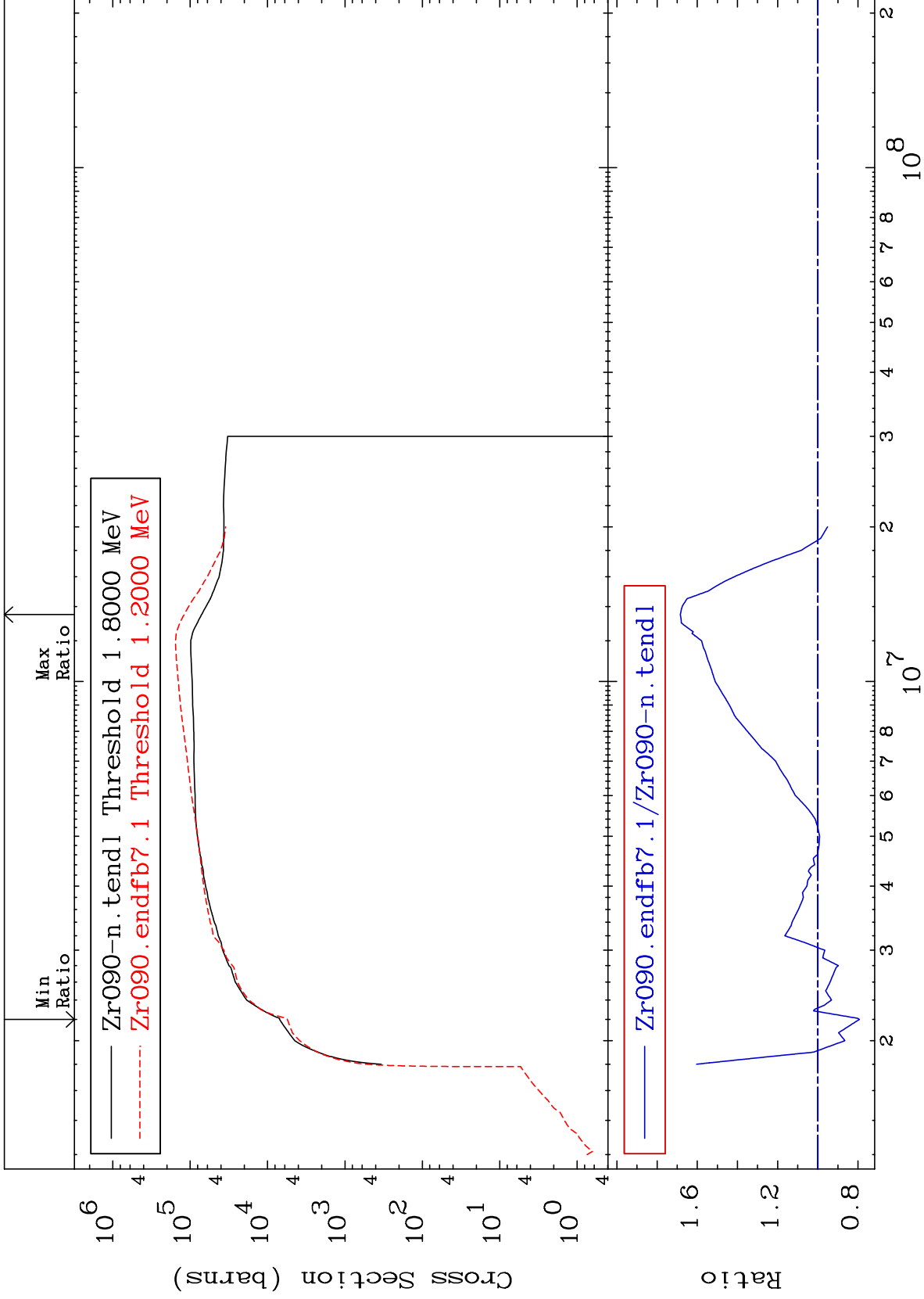
40-Zr-90  
-94.36 To 9999. %



37

Incident Energy (eV)

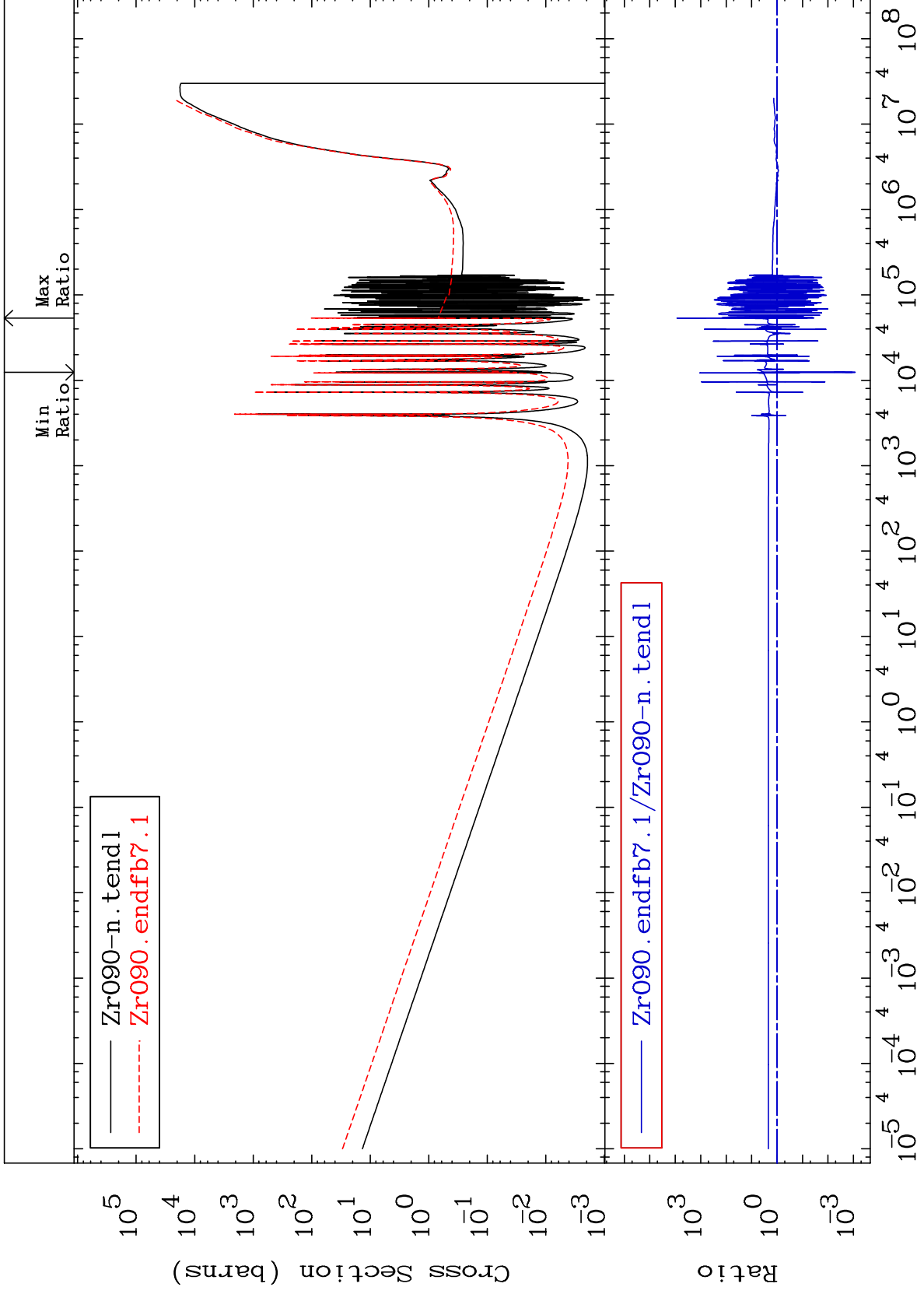
40-Zr-90

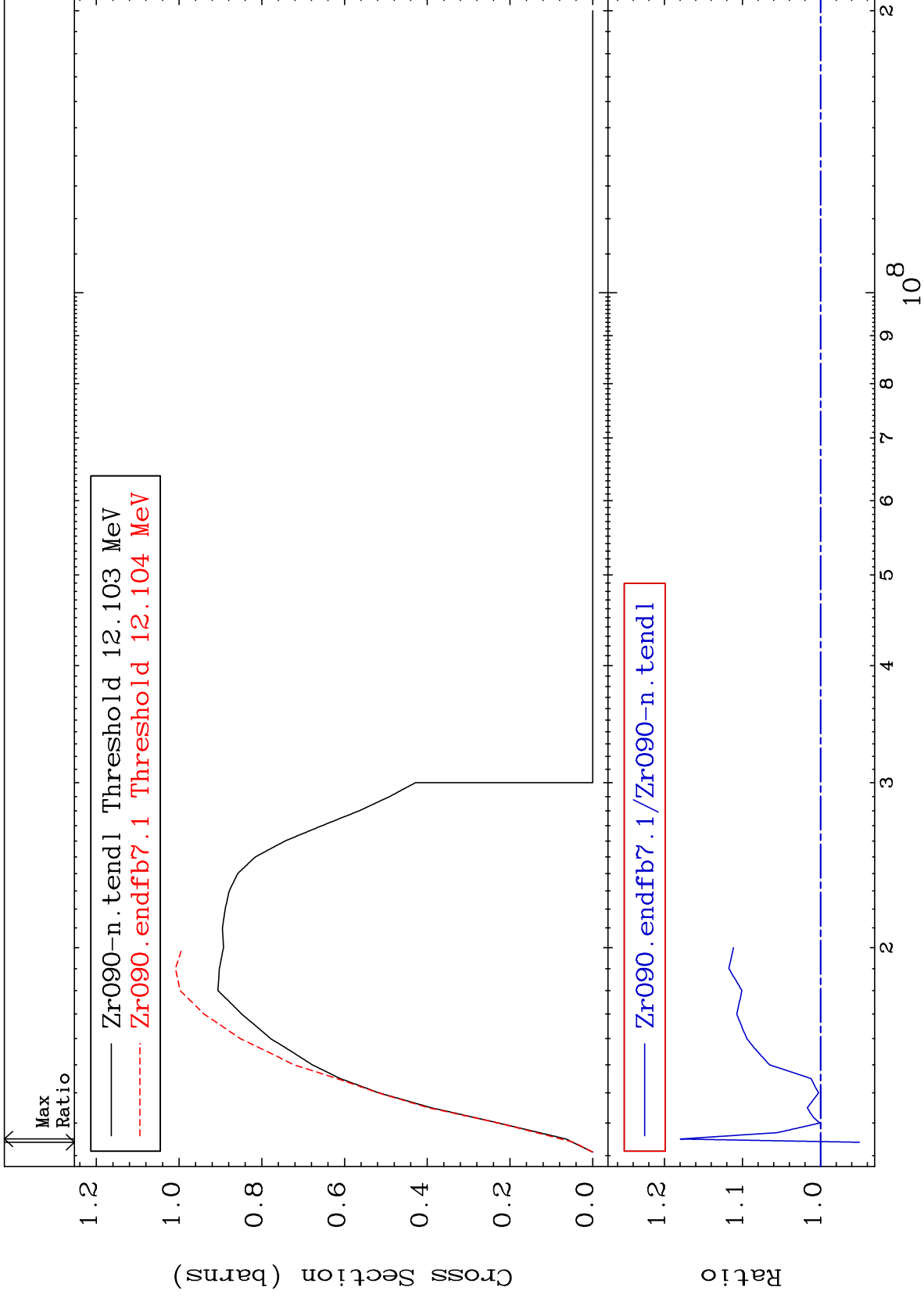


MAT 4025

Dpa disappearance (mt102 -120)  
Cross Section

40-Zr-90  
-99.91 To 9999. %





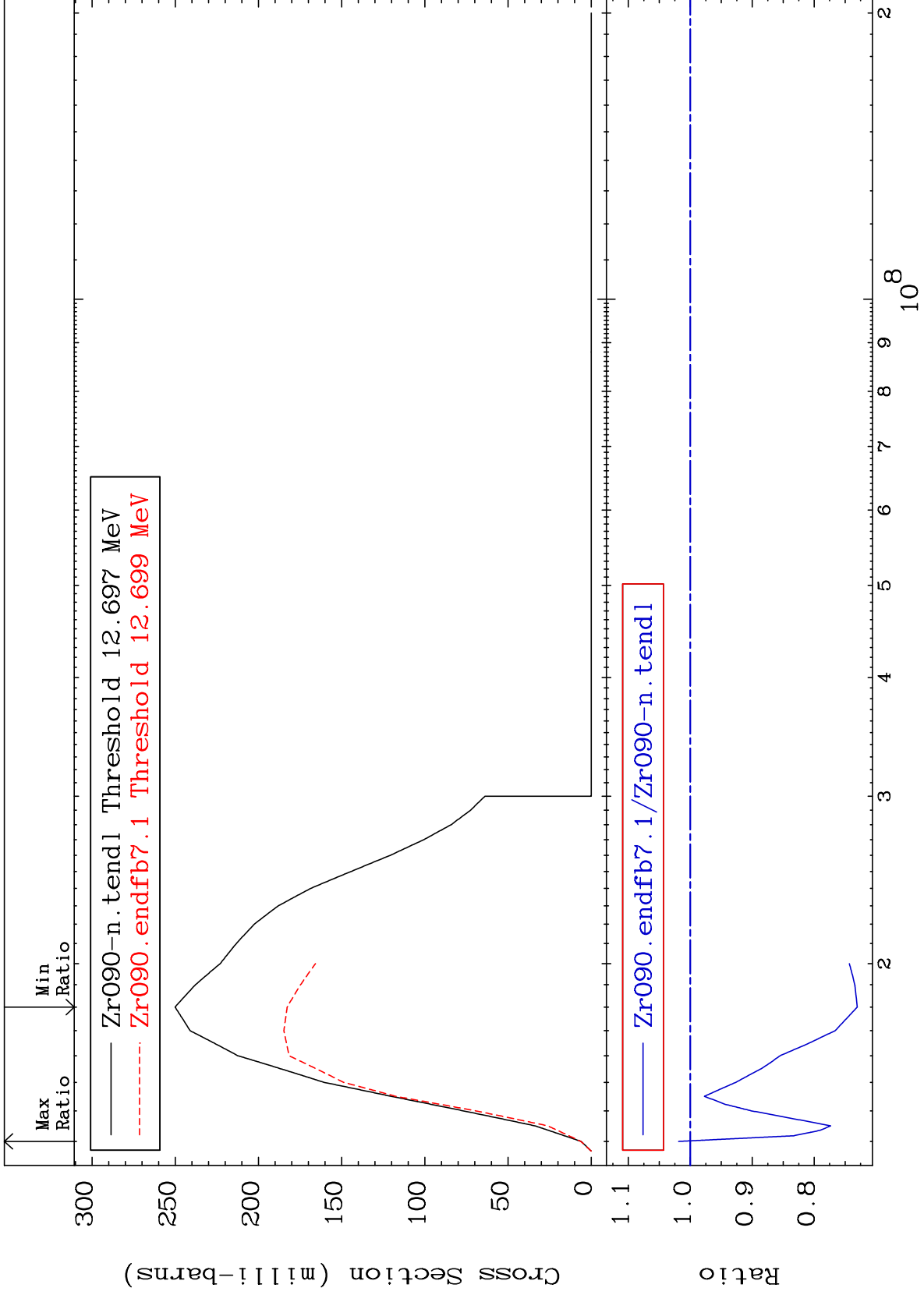


MAT 4025

(n,2n):40-Zr-89m1

40-Zr-90

Radionuclide Production Cross Section -26.95 To 1.882 %

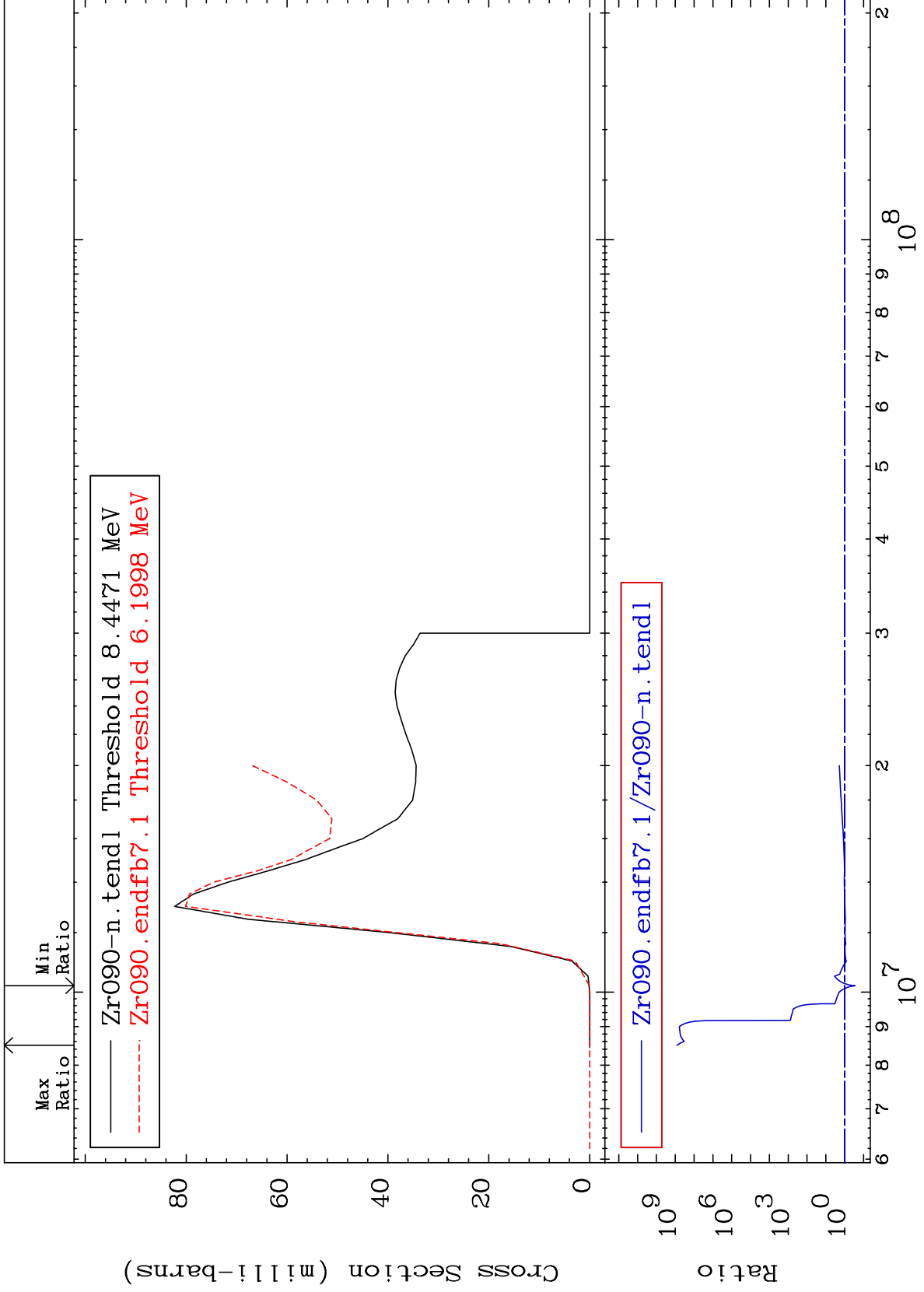


MAT 4025

(n, n') p:39-Y -89g

40-Zr-90

Radionuclide Production Cross Section -72.01 To 9999. %

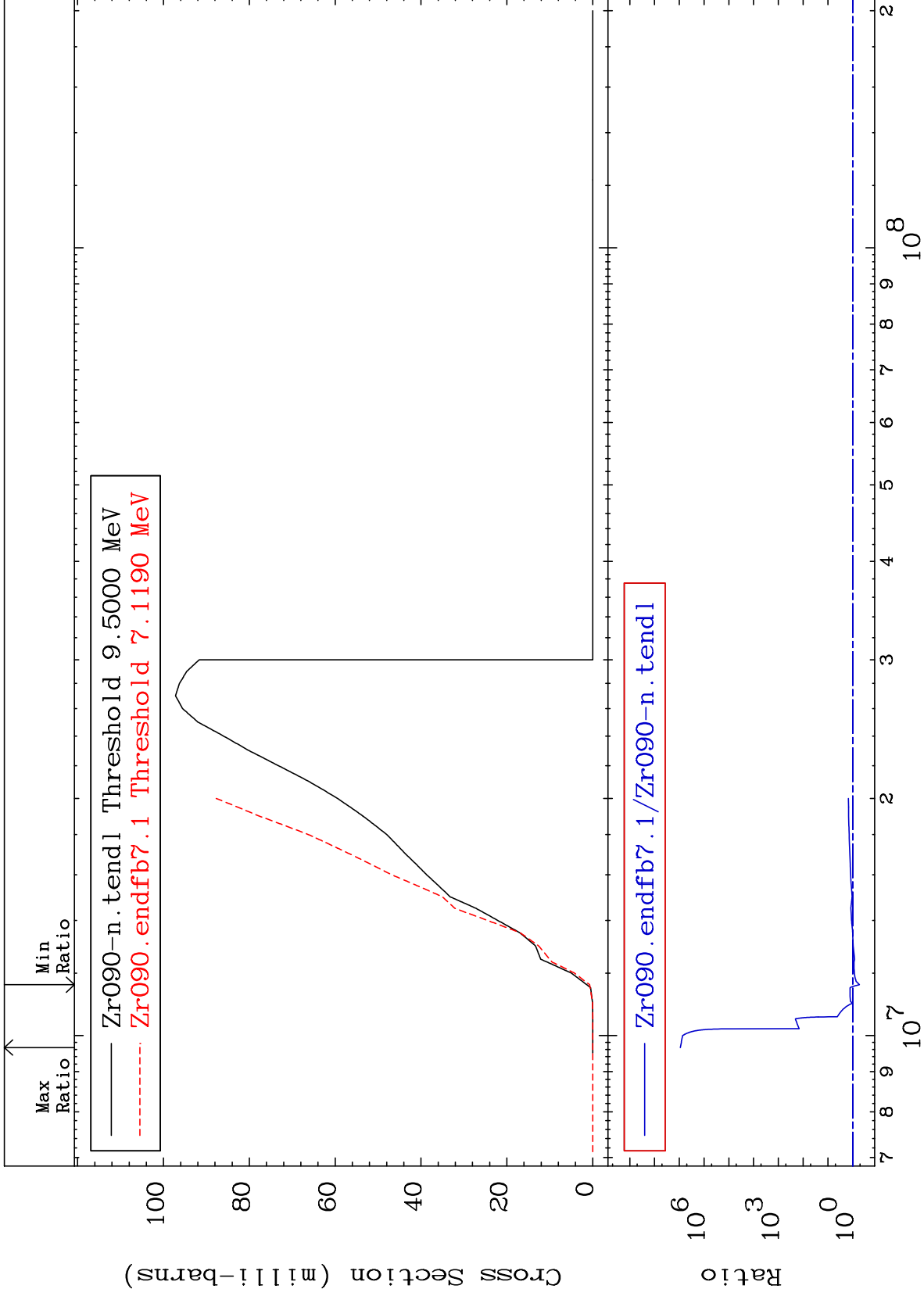


MAT 4025

(n, n') p:39-Y -89m1

40-Zr-90

Radionuclide Production Cross Section -46.75 To 9999. %



MAT 4025

(n, p)  $\alpha$ : 37-Rb-86g 40-Zr-90  
Radionuclide Production Cross Section 103.5 To 9999. %

