

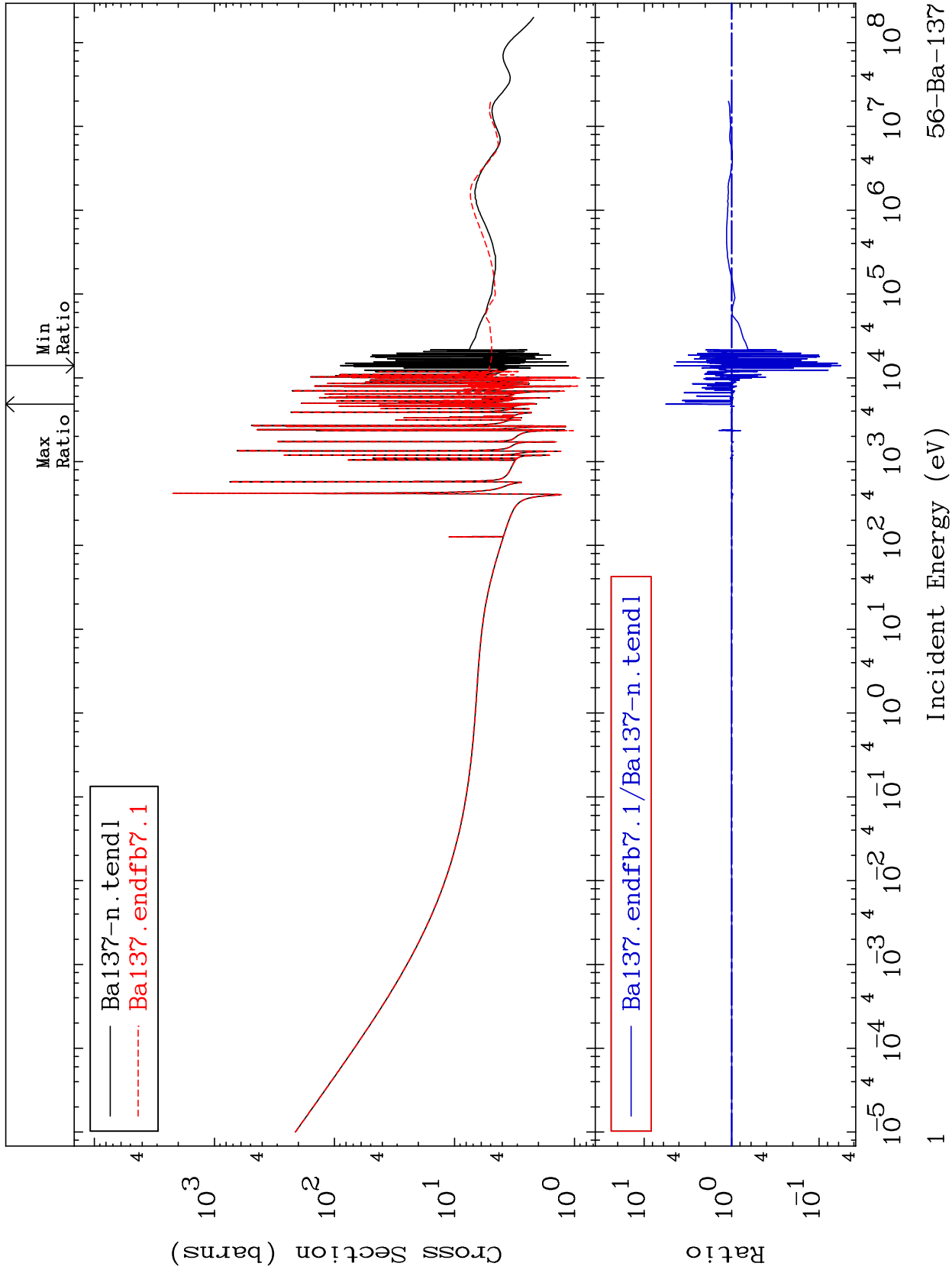
MAT 5646

Total

Cross Section

56-Ba-137

-94.35 To 462.4 %



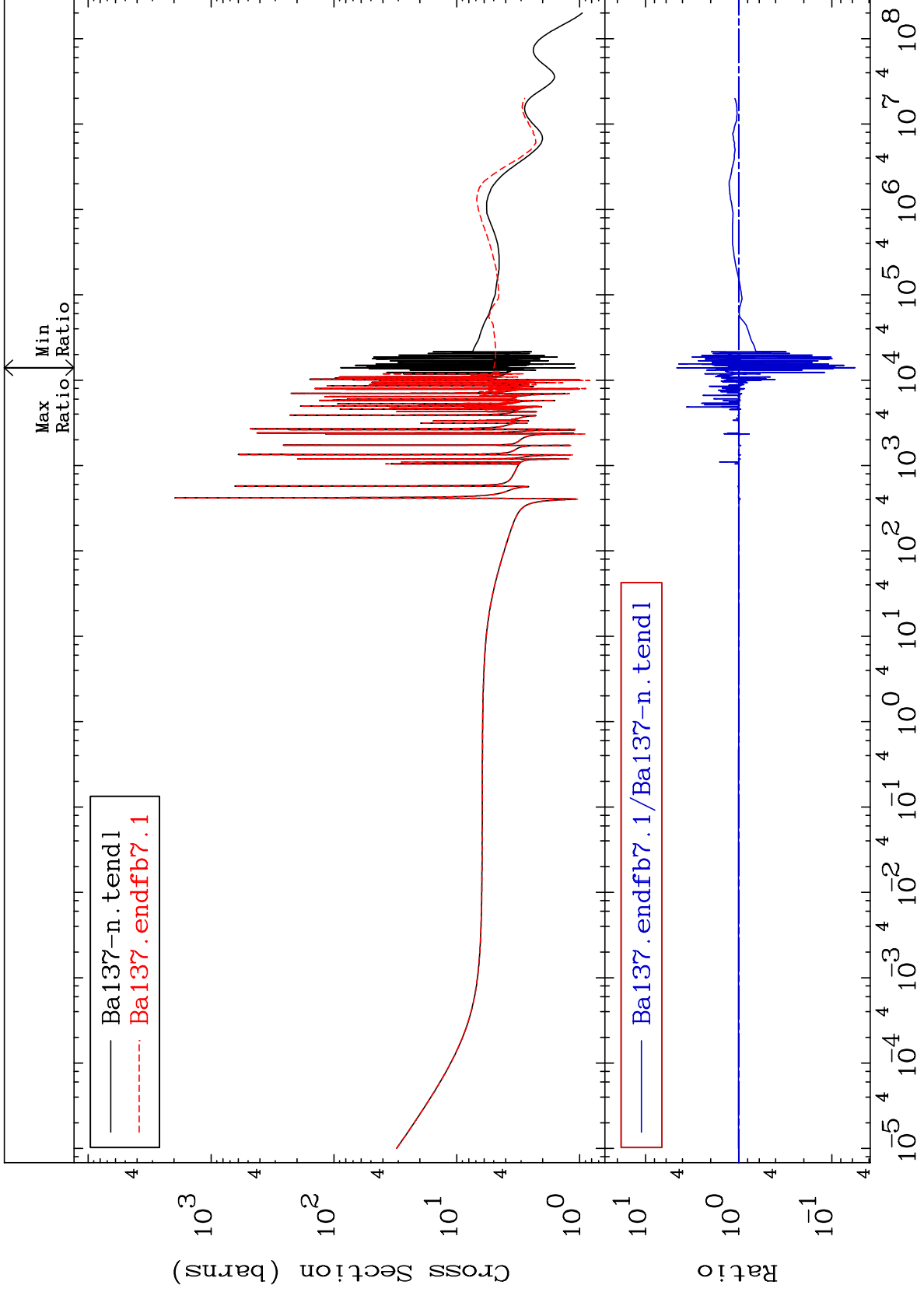
Incident Energy (eV)

56-Ba-137

MAT 5646

Elastic  
Cross Section

56-Ba-137  
-94.37 To 359.7 %



Incident Energy (eV)

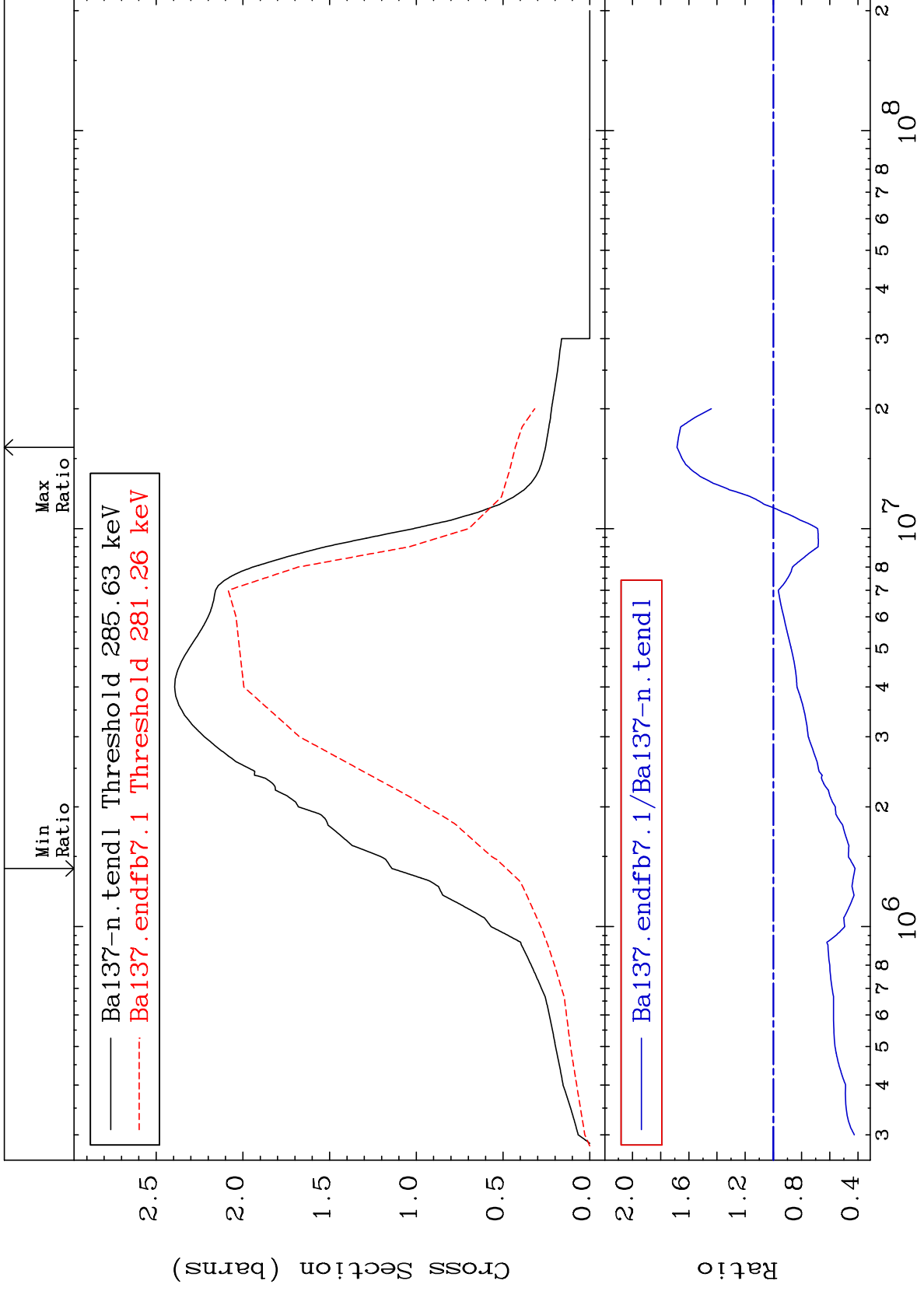
56-Ba-137

2

MAT 5646

Inelastic  
Cross Section

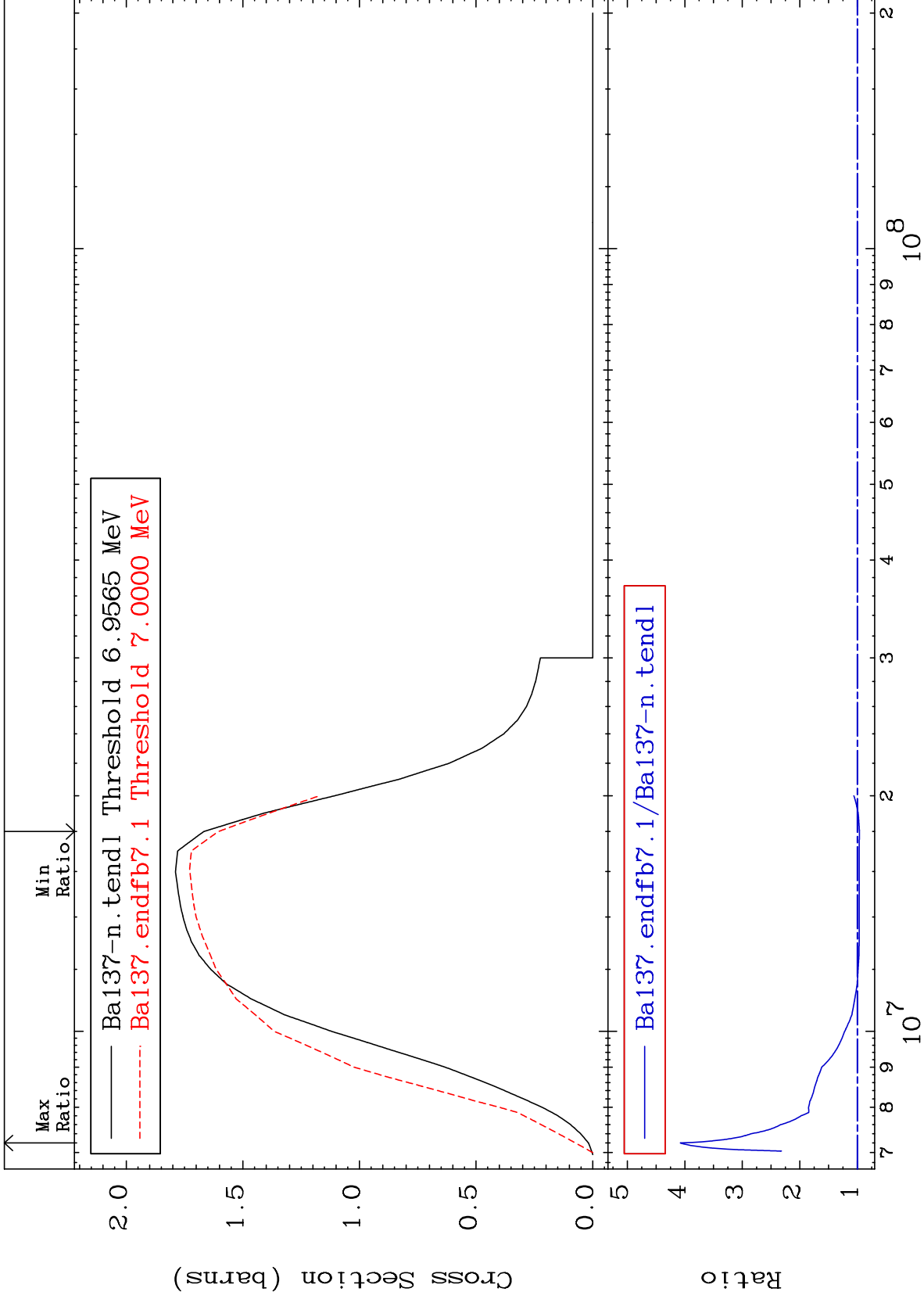
56-Ba-137  
-57.88 To 68.43 %



MAT 5646

(n,2n)  
Cross Section

56-Ba-137  
-3.737 To 307.7 %



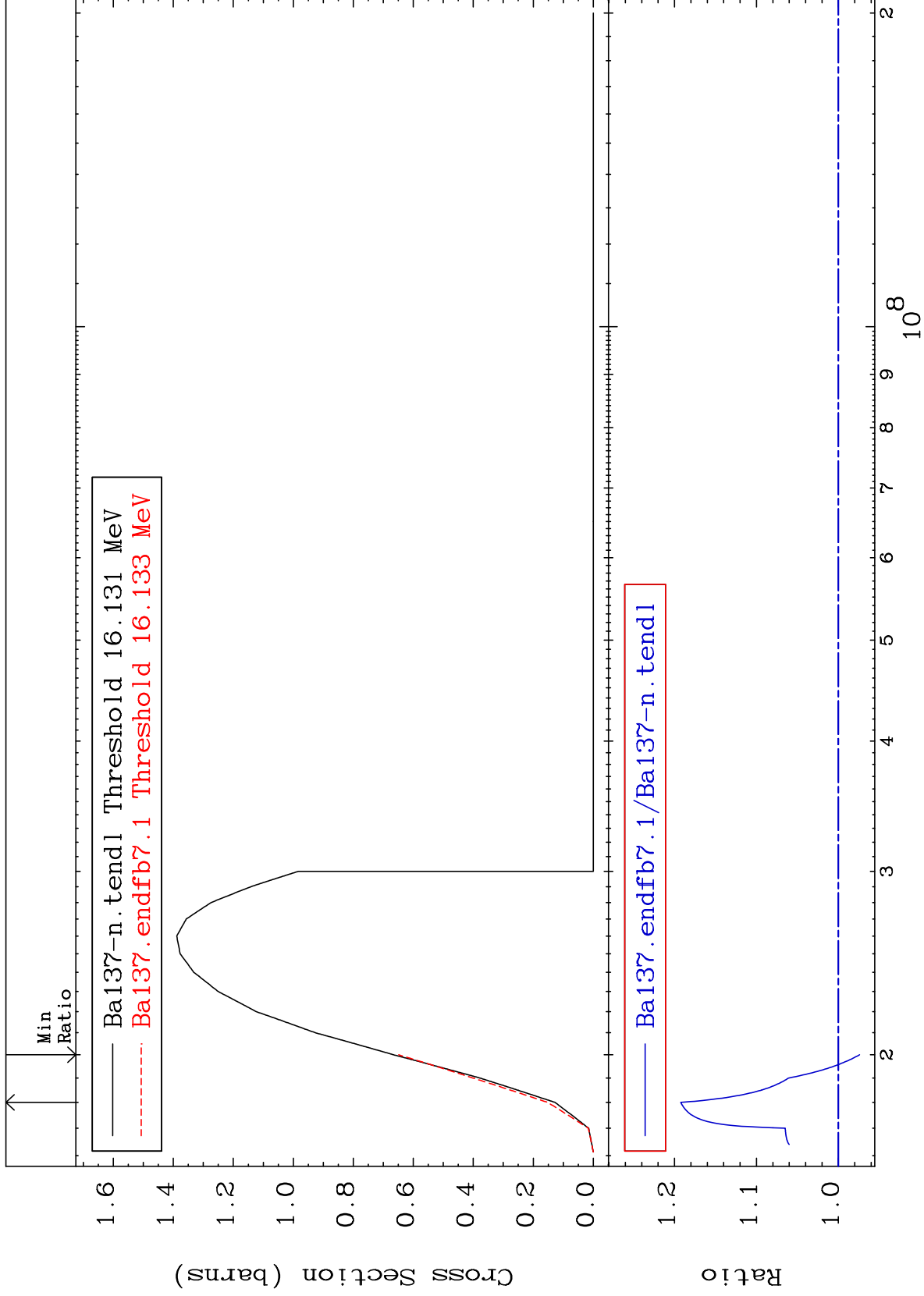
4

56-Ba-137

MAT 5646

(n,3n)  
Cross Section

56-Ba-137  
-2.579 To 19.24 %

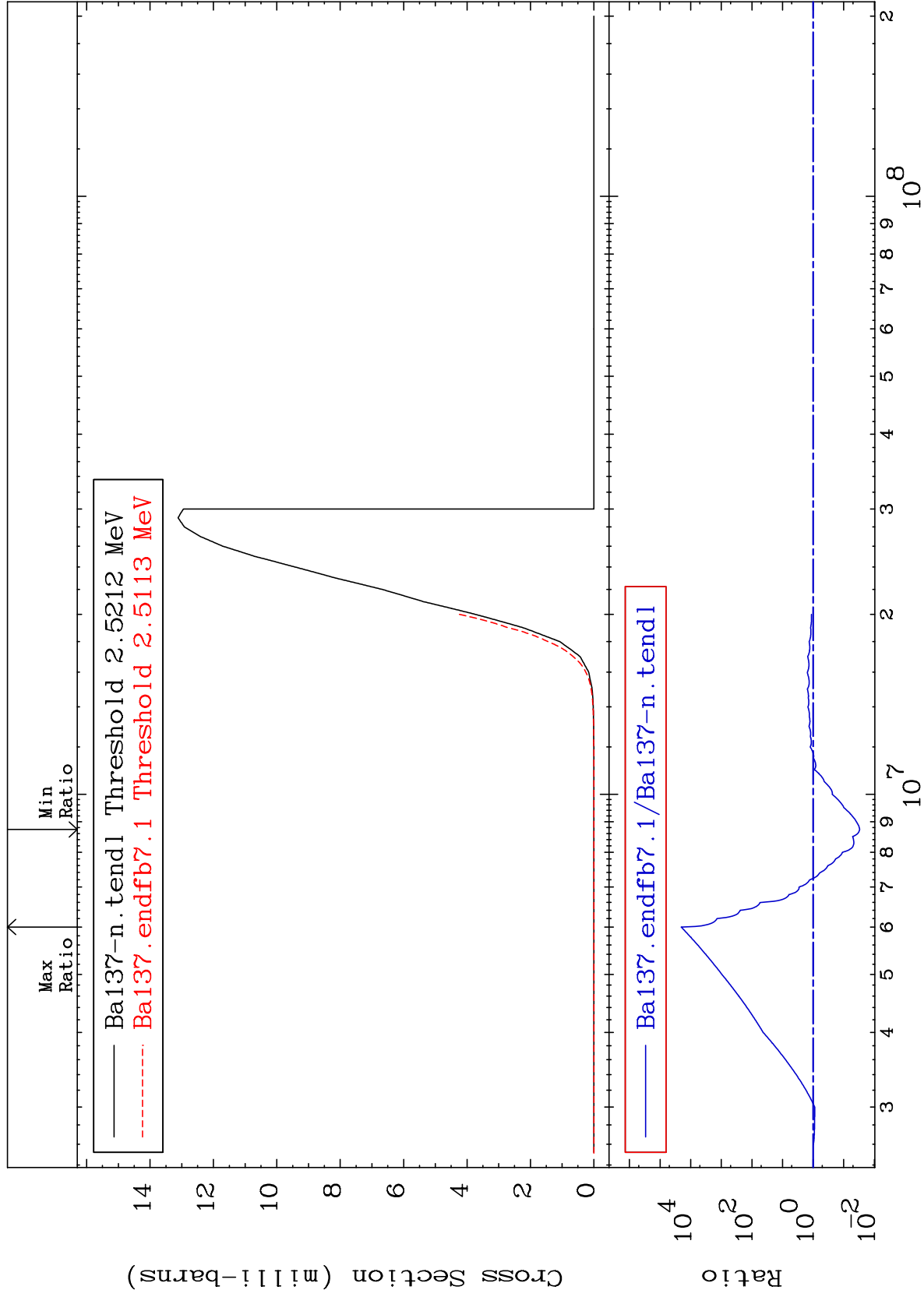


MAT 5646

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

56-Ba-137

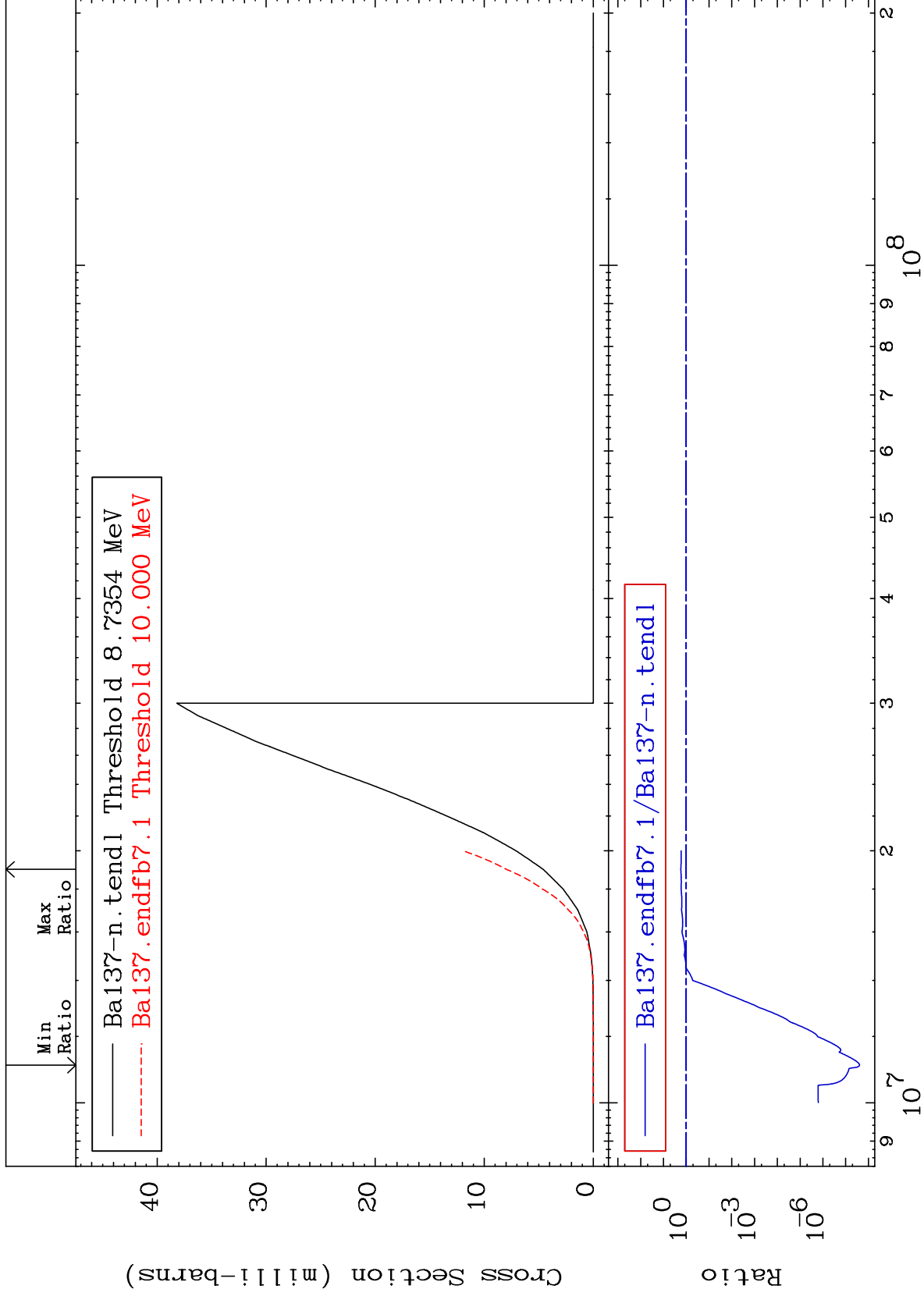
-96.98 To 9999. %



MAT 5646

(n,n') p  
Cross Section

56-Ba-137  
-100.0 To 73.64 %



7

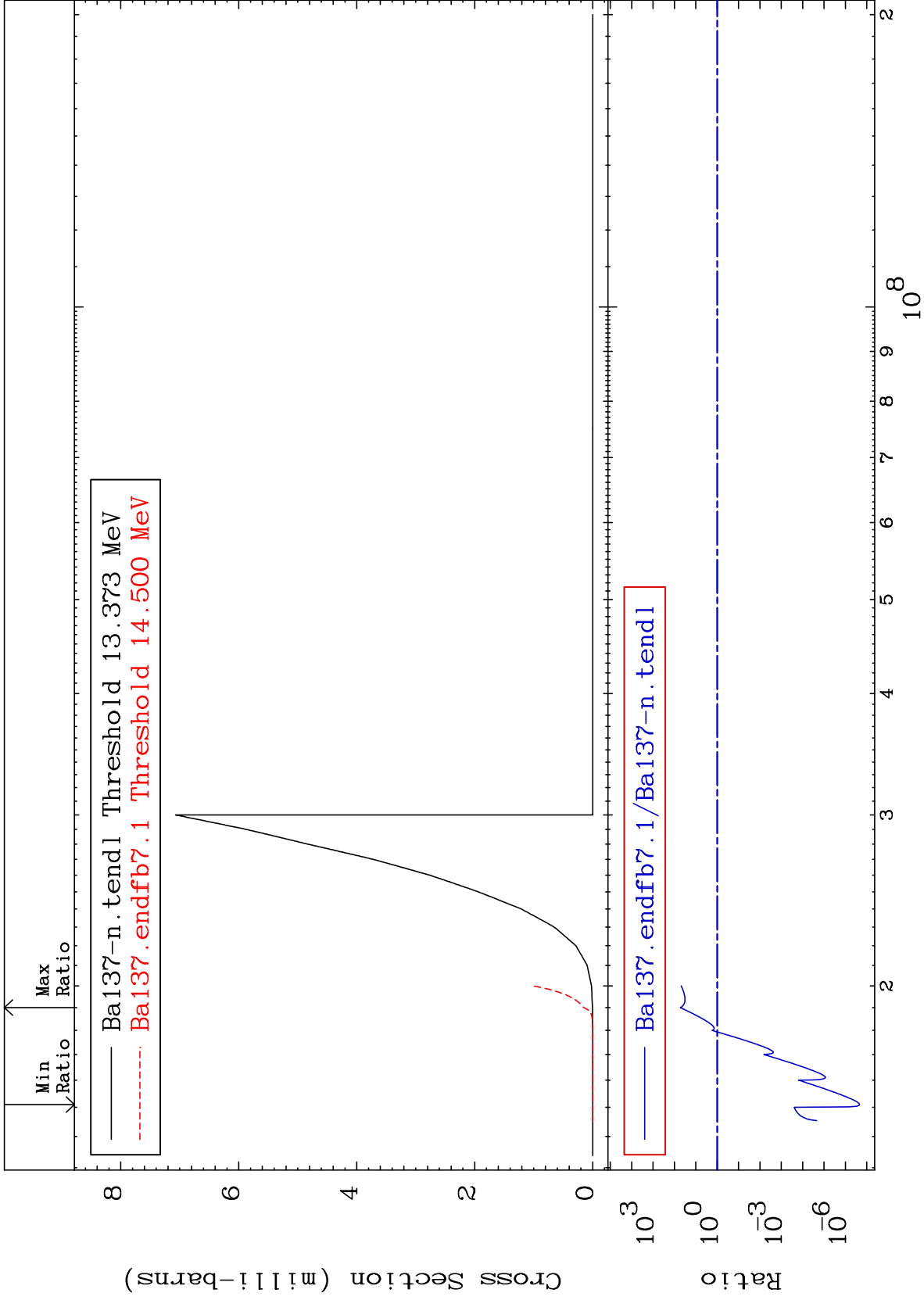
Incident Energy (eV)

56-Ba-137

MAT 5646

(n, n') d  
Cross Section

56-Ba-137  
-100.0 To 5187. %

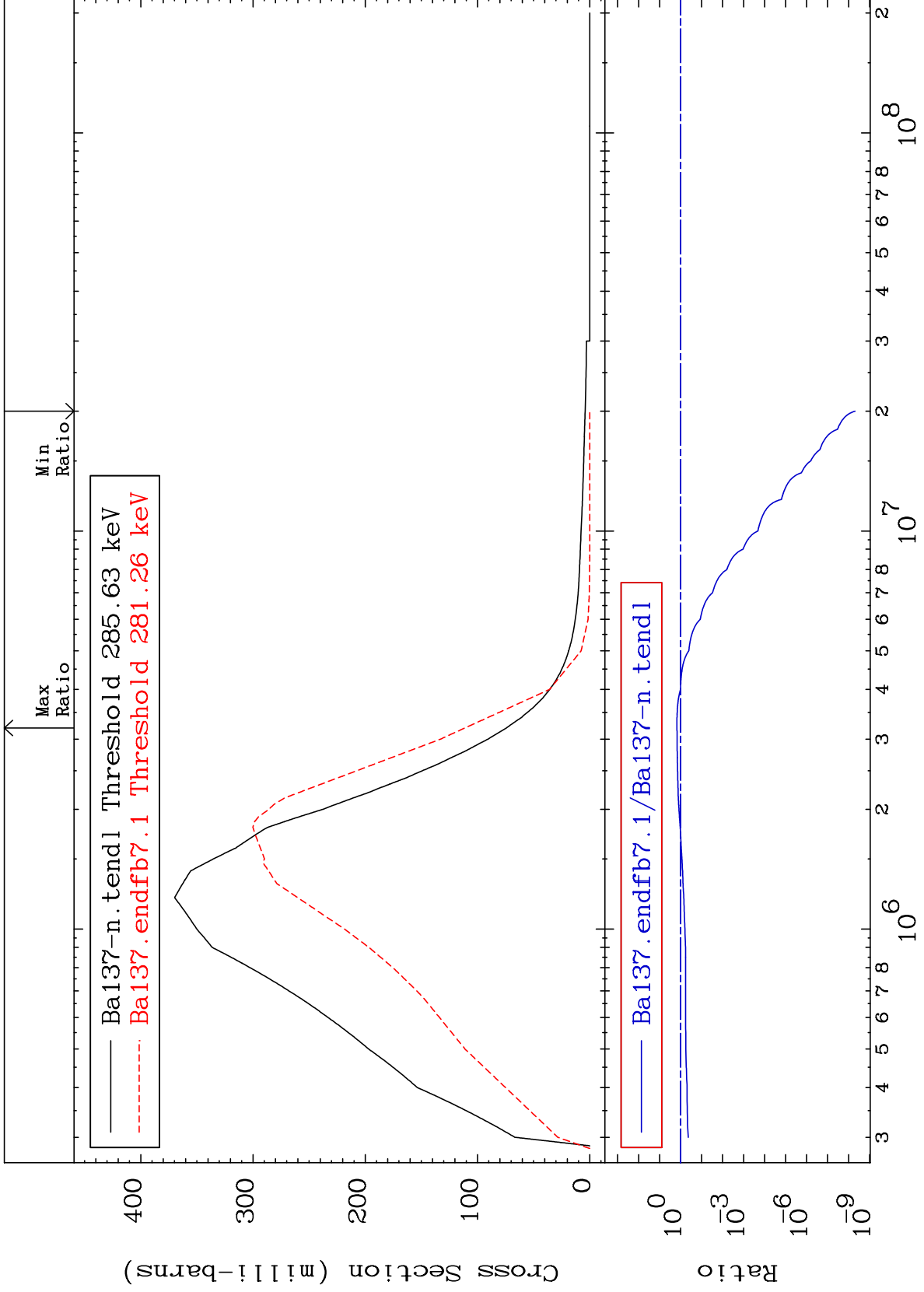




MAT 5646

283.5 keV (n,n') Level  
Cross Section

56-Ba-137  
-100.0 To 49.74 %



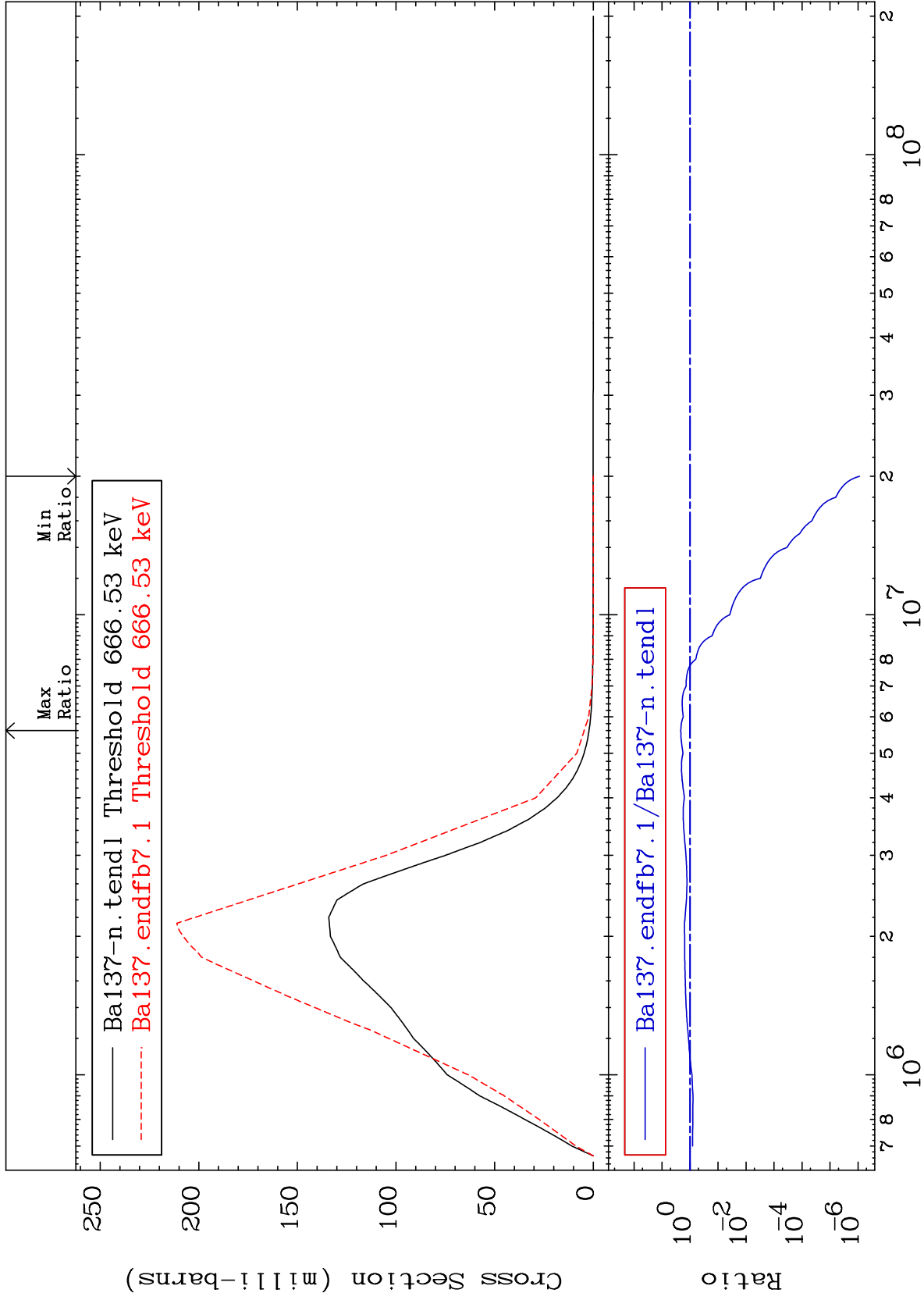
MAT 5646

661.7 keV (n,n') Level

56-Ba-137

-100.0 To 114.1 %

Cross Section



10

Incident Energy (eV)

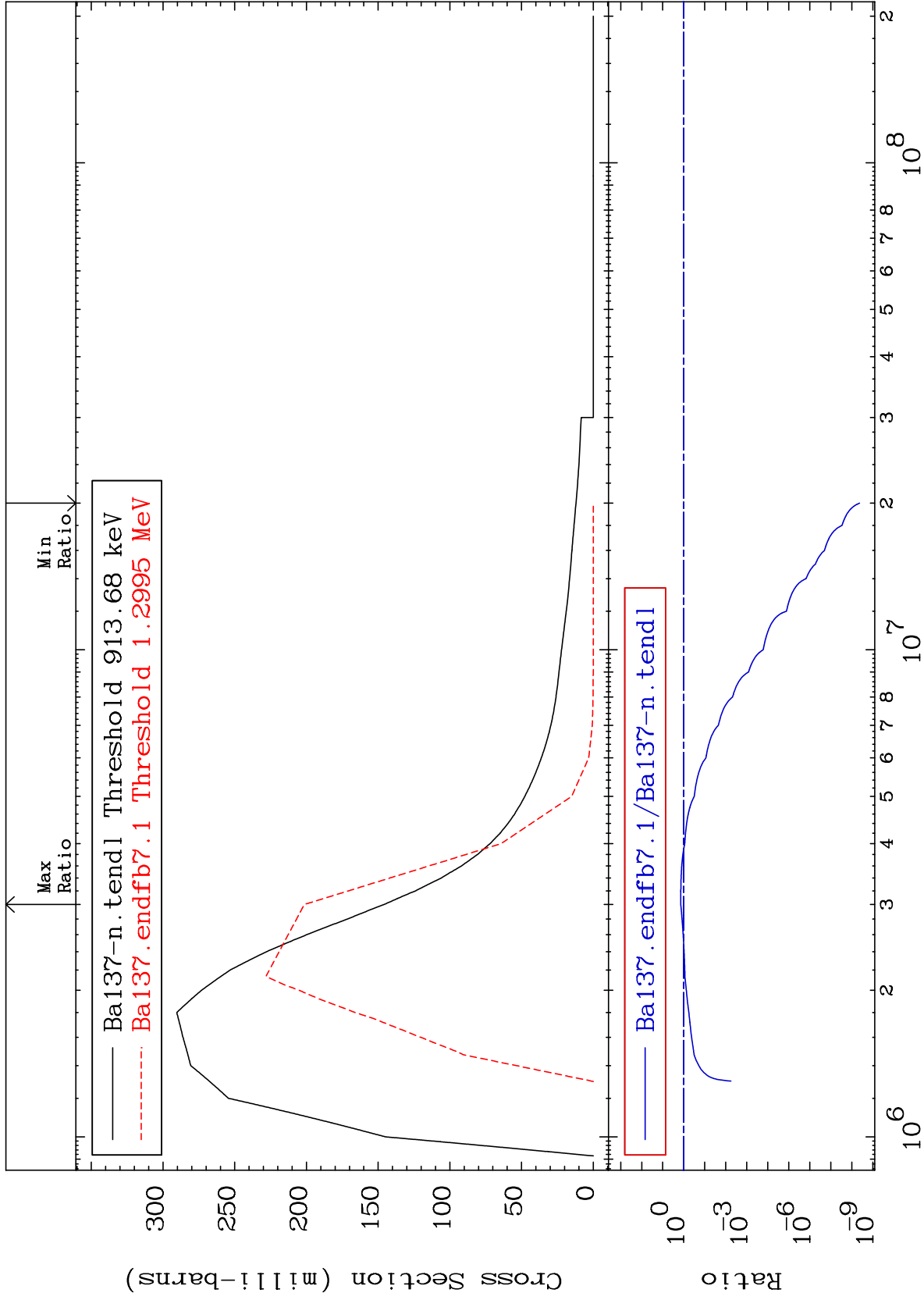
56-Ba-137

MAT 5646

907.0 keV (n,n') Level

56-Ba-137

-100.0 To 38.14 %



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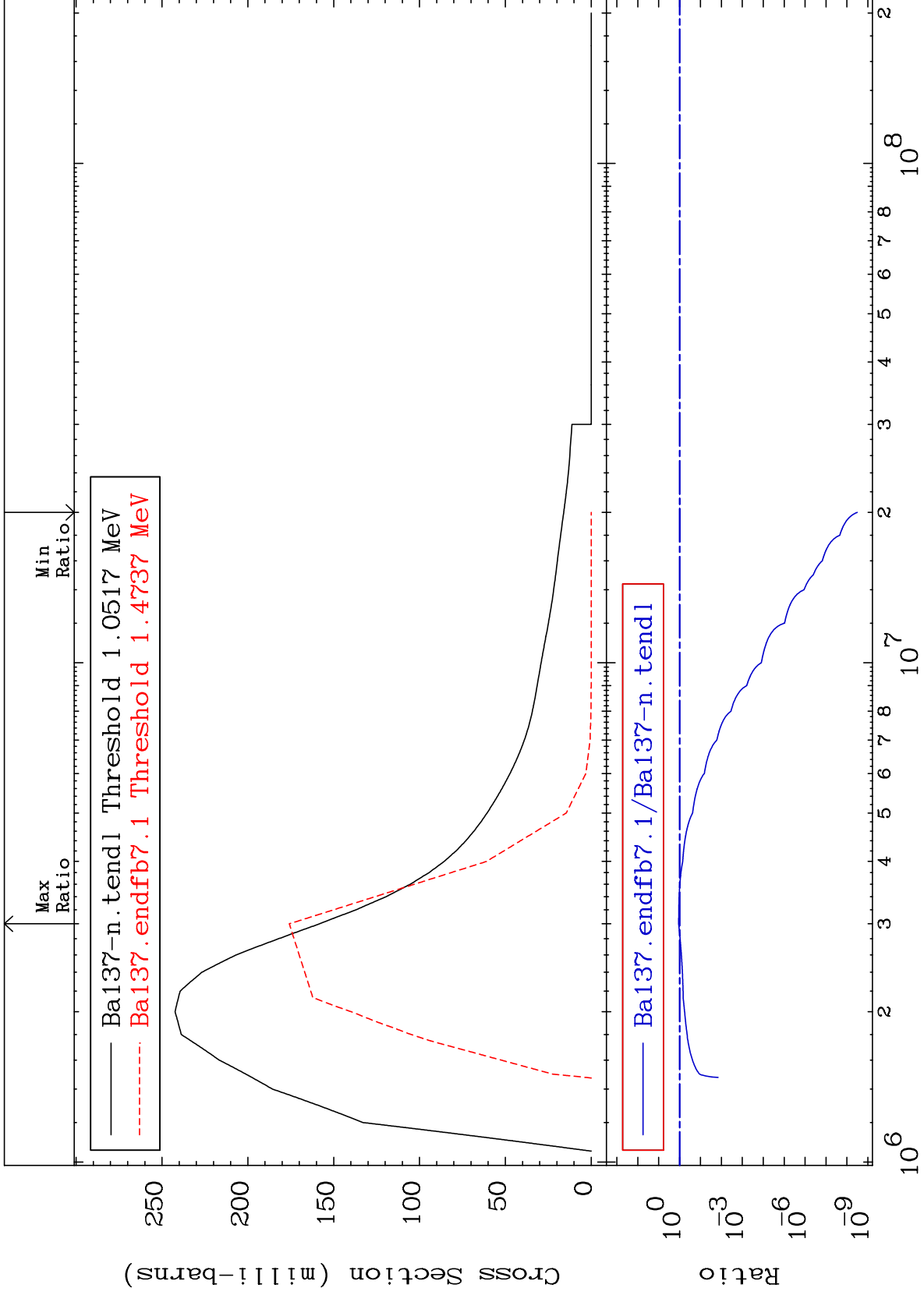
Incident Energy (eV)

56-Ba-137

MAT 5646

1.044 MeV (n,n') Level  
Cross Section

56-Ba-137  
-100.0 To 11.18 %



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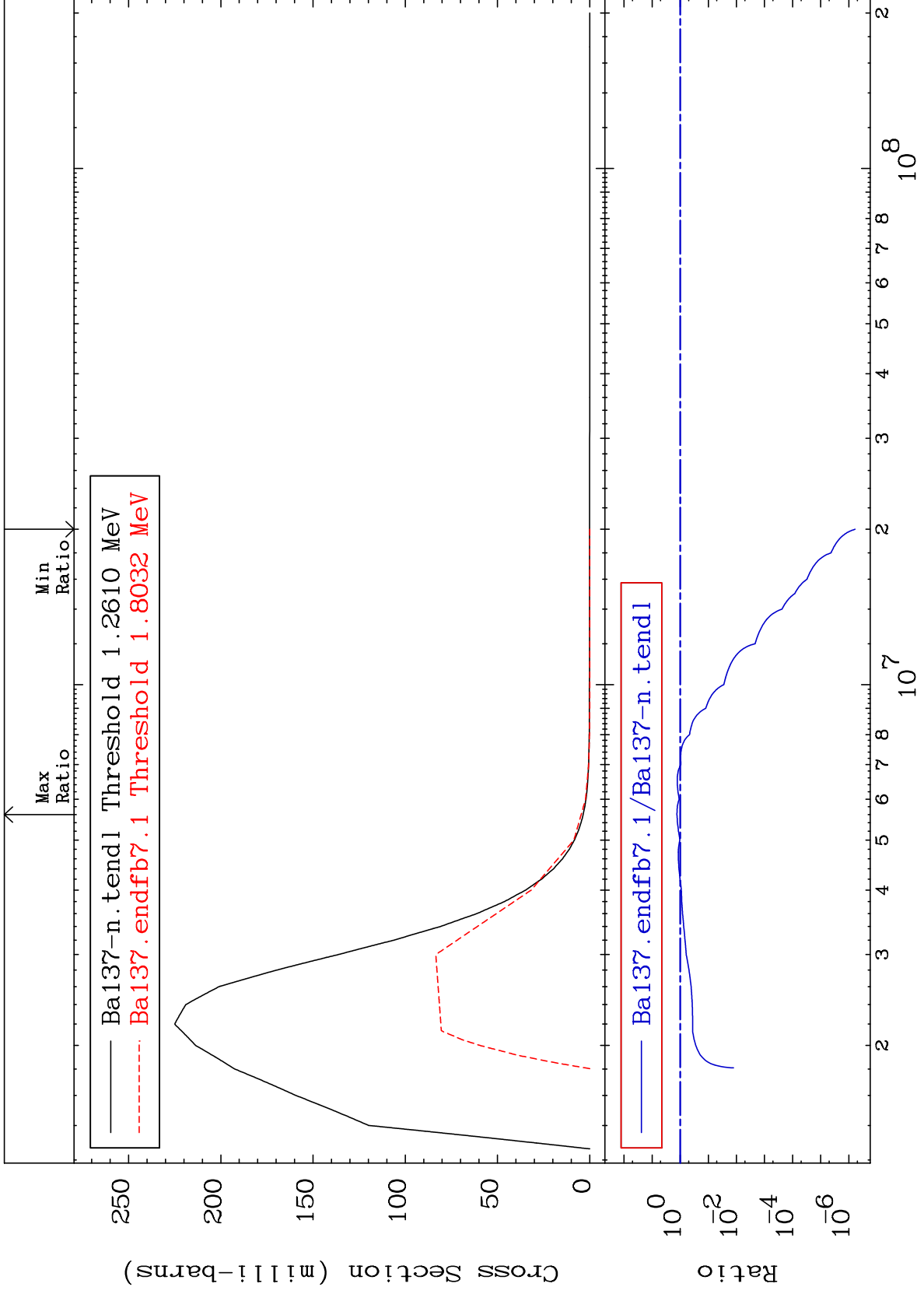
Incident Energy (eV)

56-Ba-137

MAT 5646

1.252 MeV (n,n') Level  
Cross Section

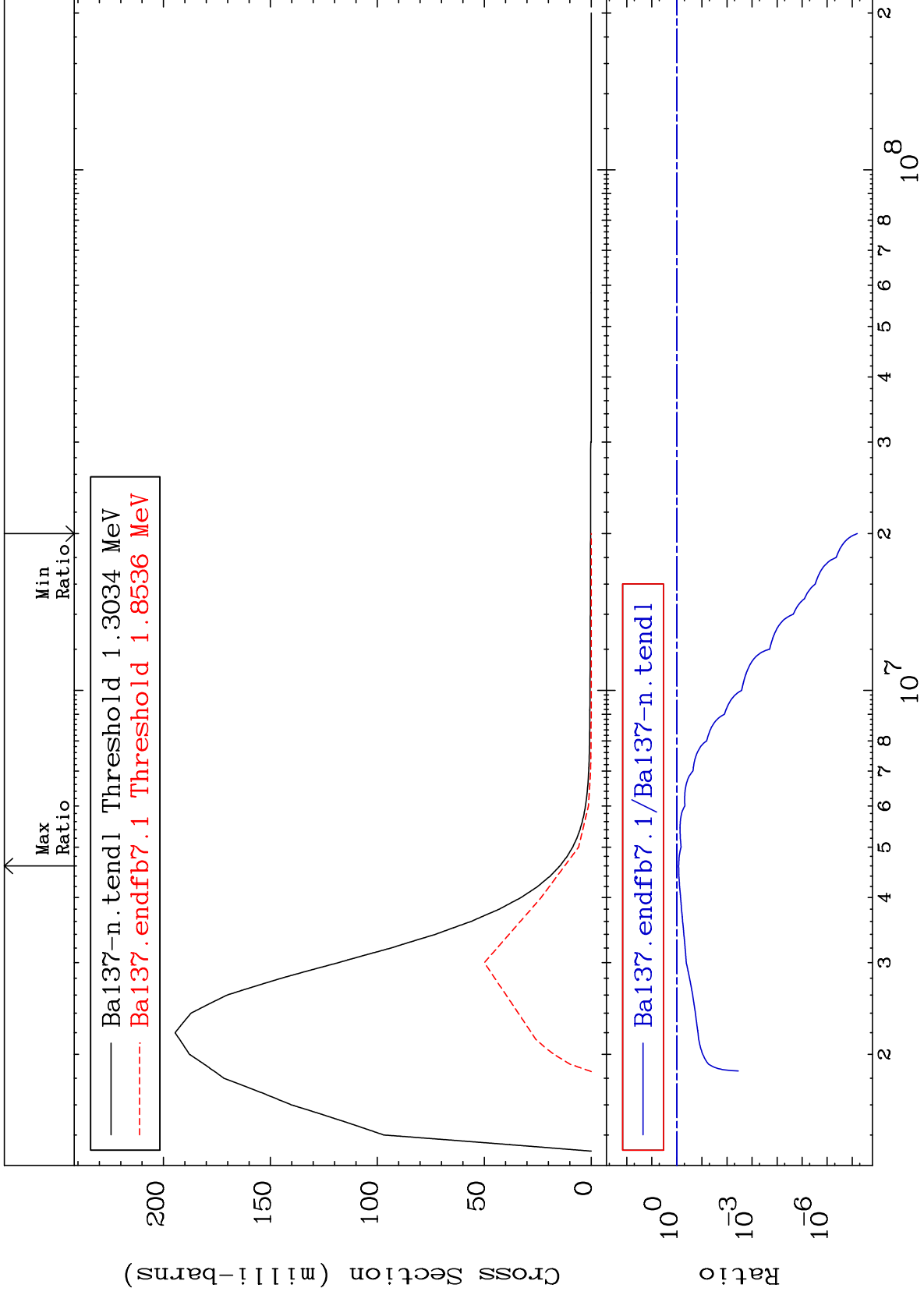
56-Ba-137  
-100.0 To 30.91 %



MAT 5646

1.294 MeV (n,n') Level  
Cross Section

56-Ba-137  
-100.0 To -15.10%



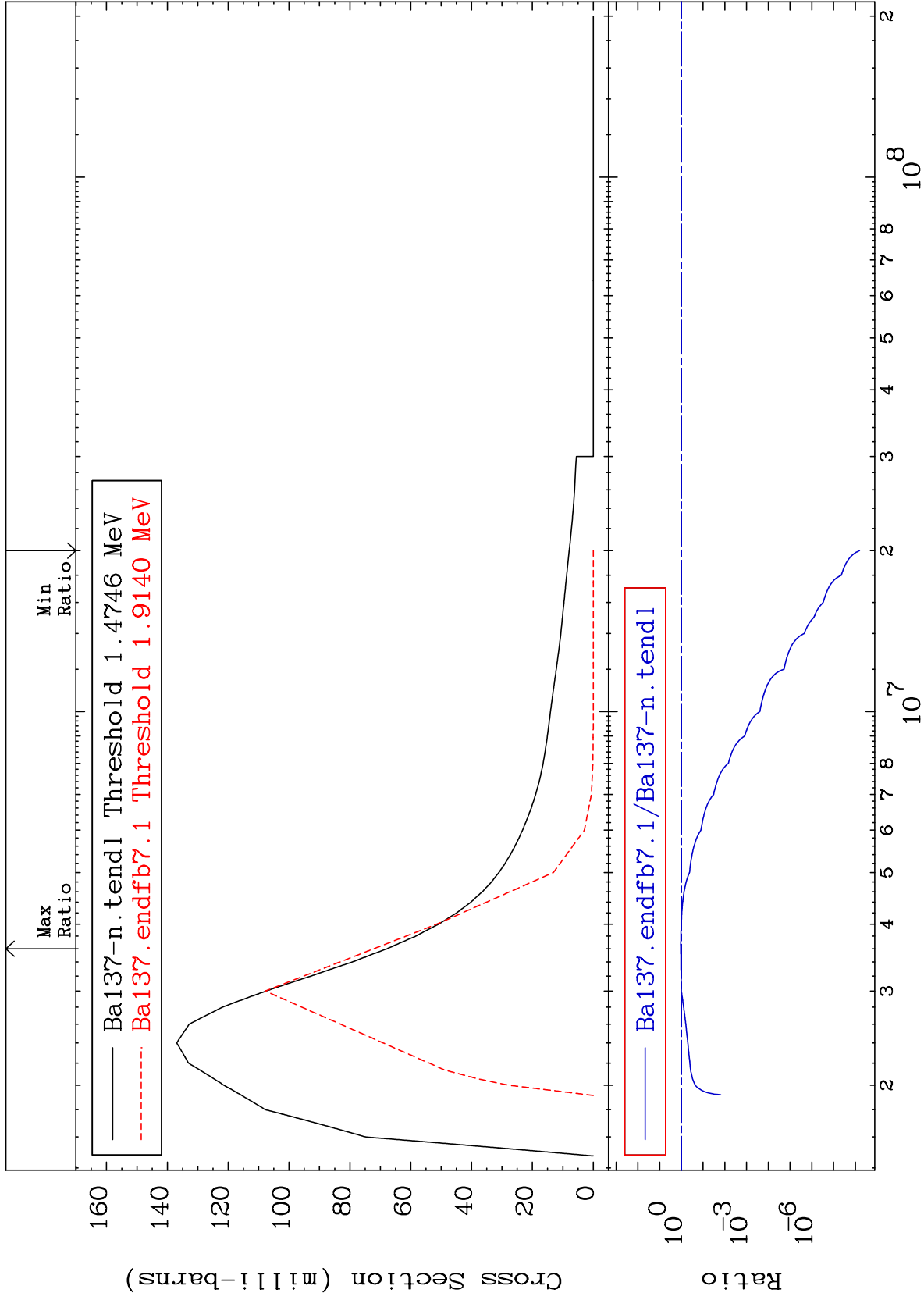
MAT 5646

1.464 MeV (n,n') Level

56-Ba-137

-100.0 To 6.457 %

Cross Section



15

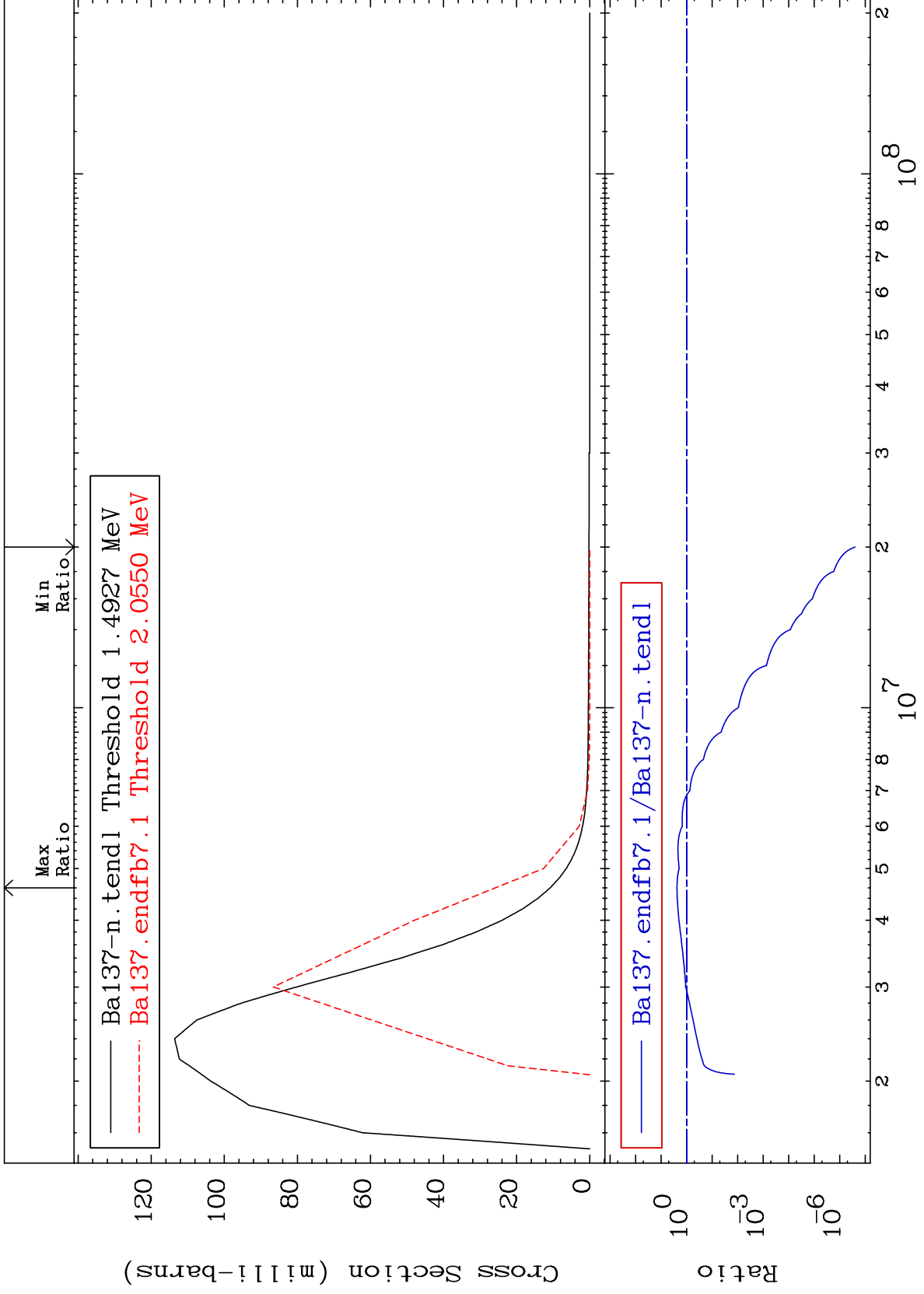
Incident Energy (eV)

56-Ba-137

MAT 5646

1.482 MeV (n,n') Level  
Cross Section

56-Ba-137  
-100.0 To 138.9 %

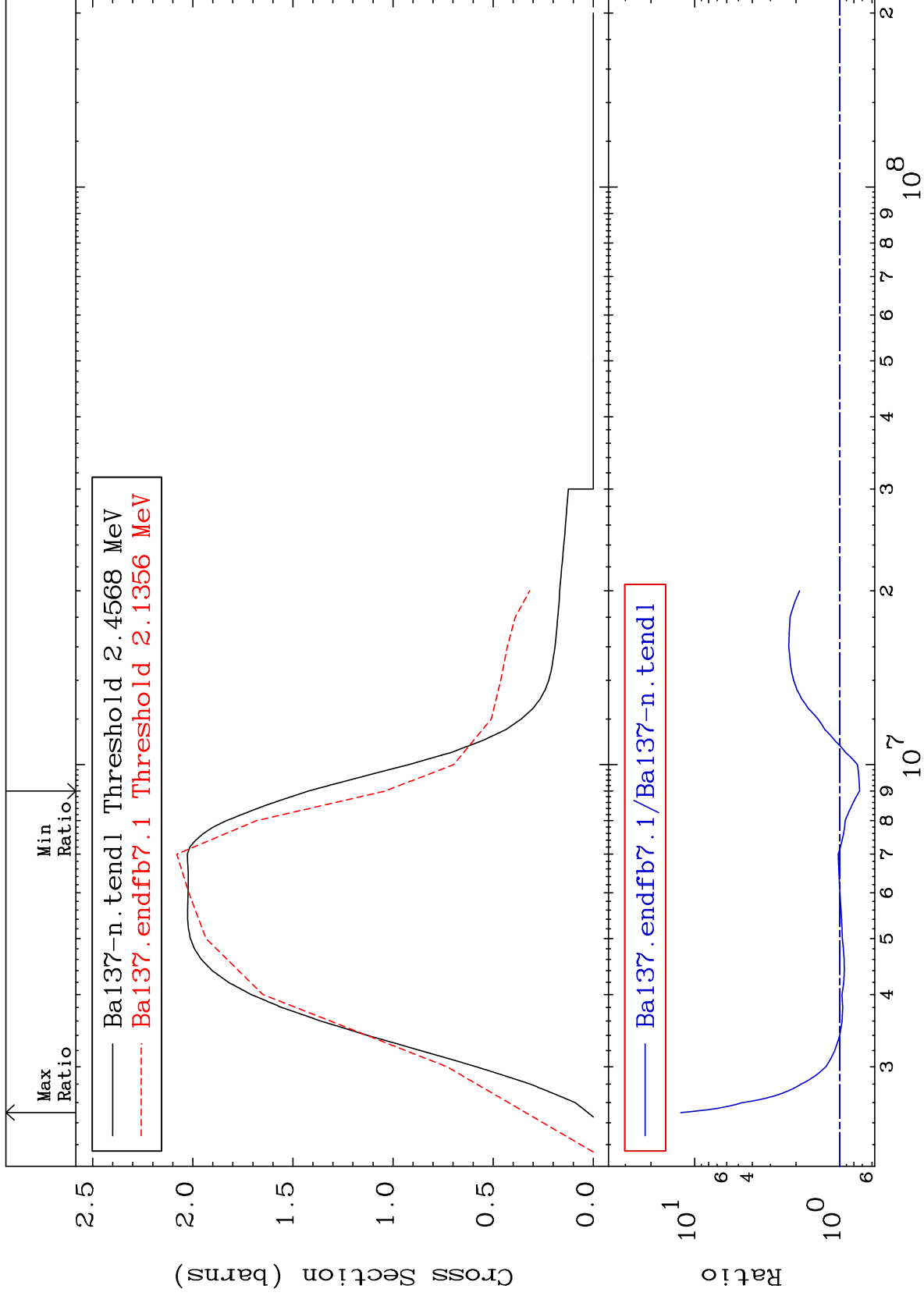




MAT 5646

(n, n') Continuum  
Cross Section

56-Ba-137  
-26.88 To 1145. %



17

Incident Energy (eV)

56-Ba-137

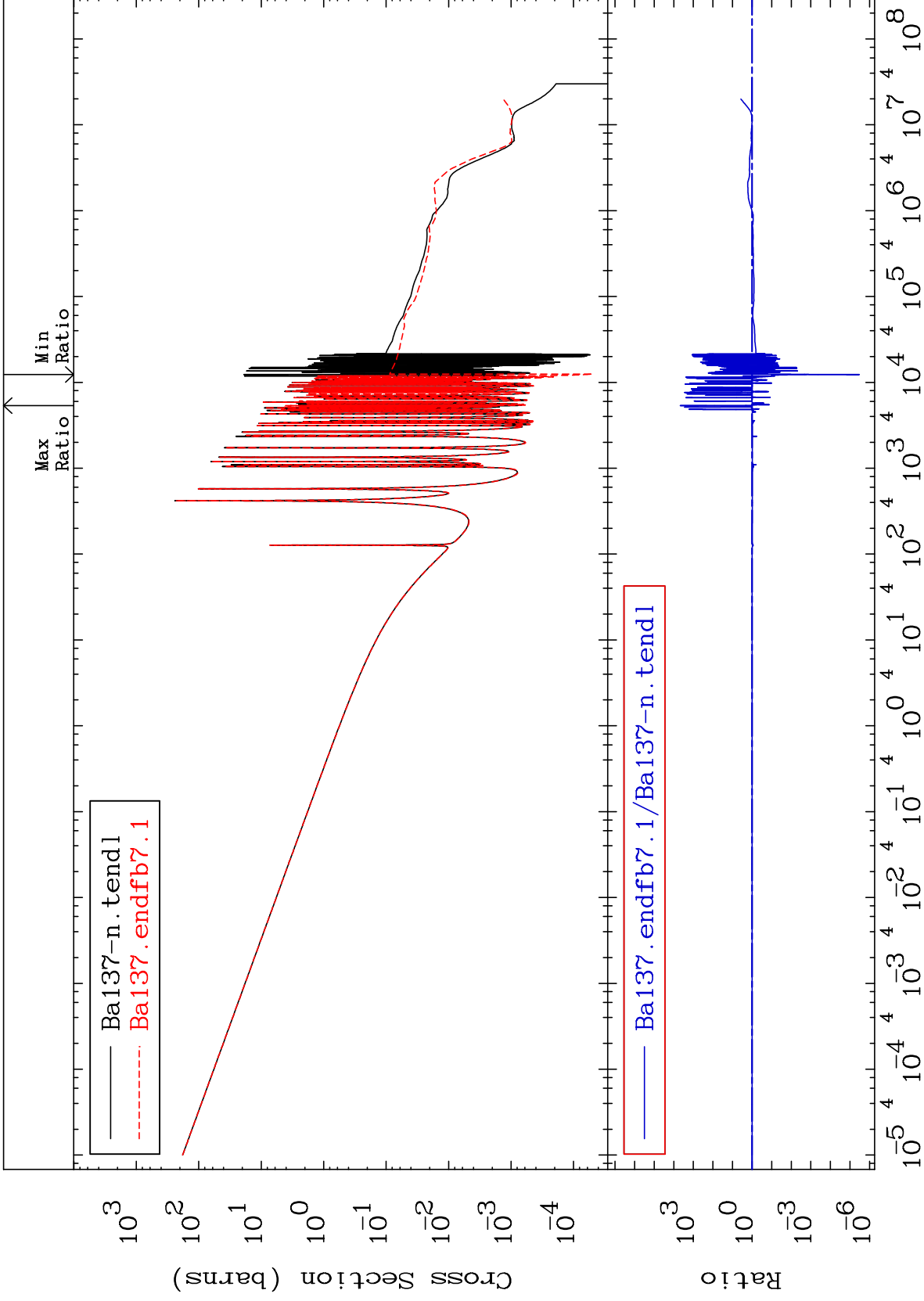
MAT 5646

(n,  $\gamma$ )

56-Ba-137

Cross Section

-100.0 To 9999. %



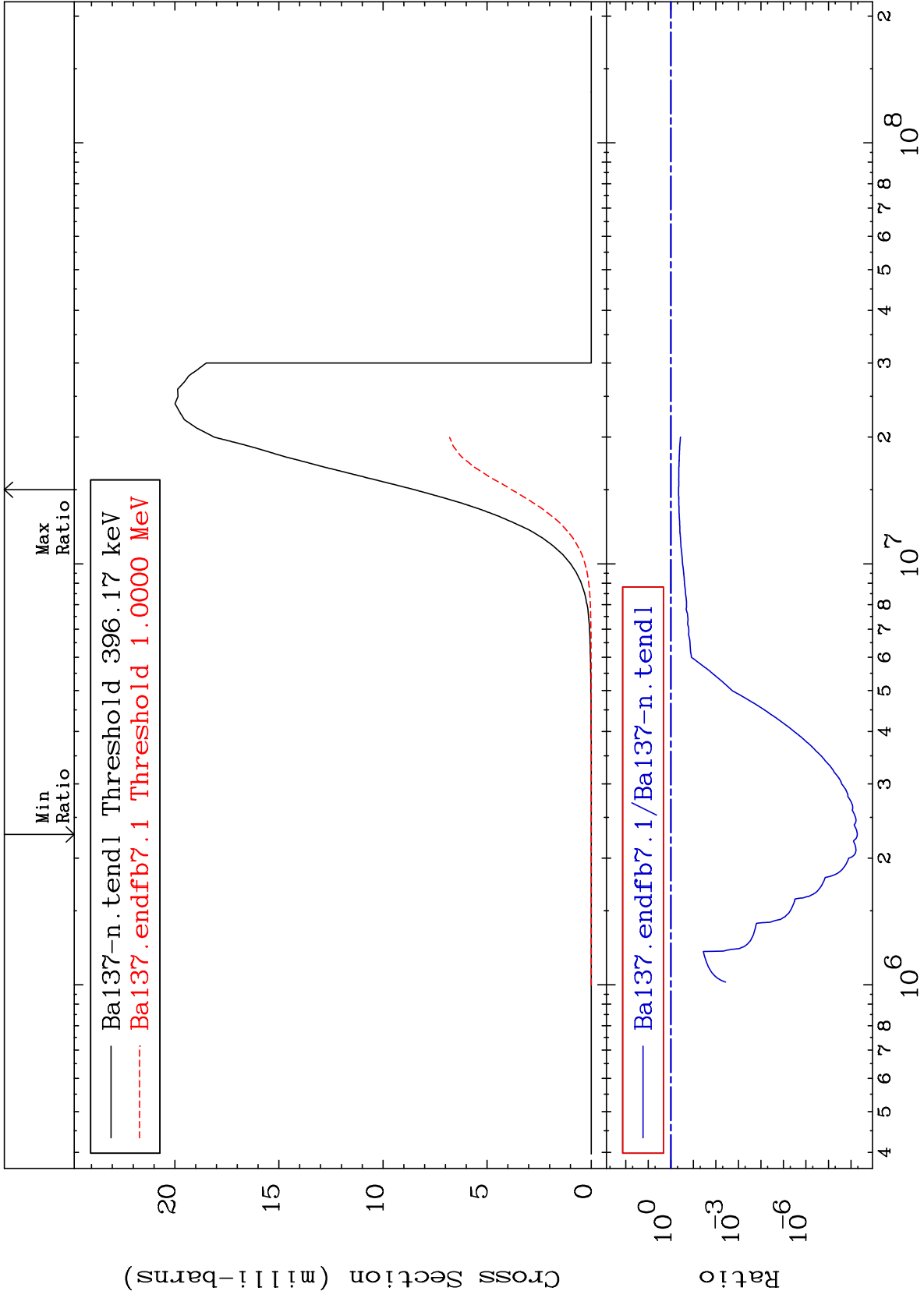
18

Incident Energy (eV)

56-Ba-137

MAT 5646

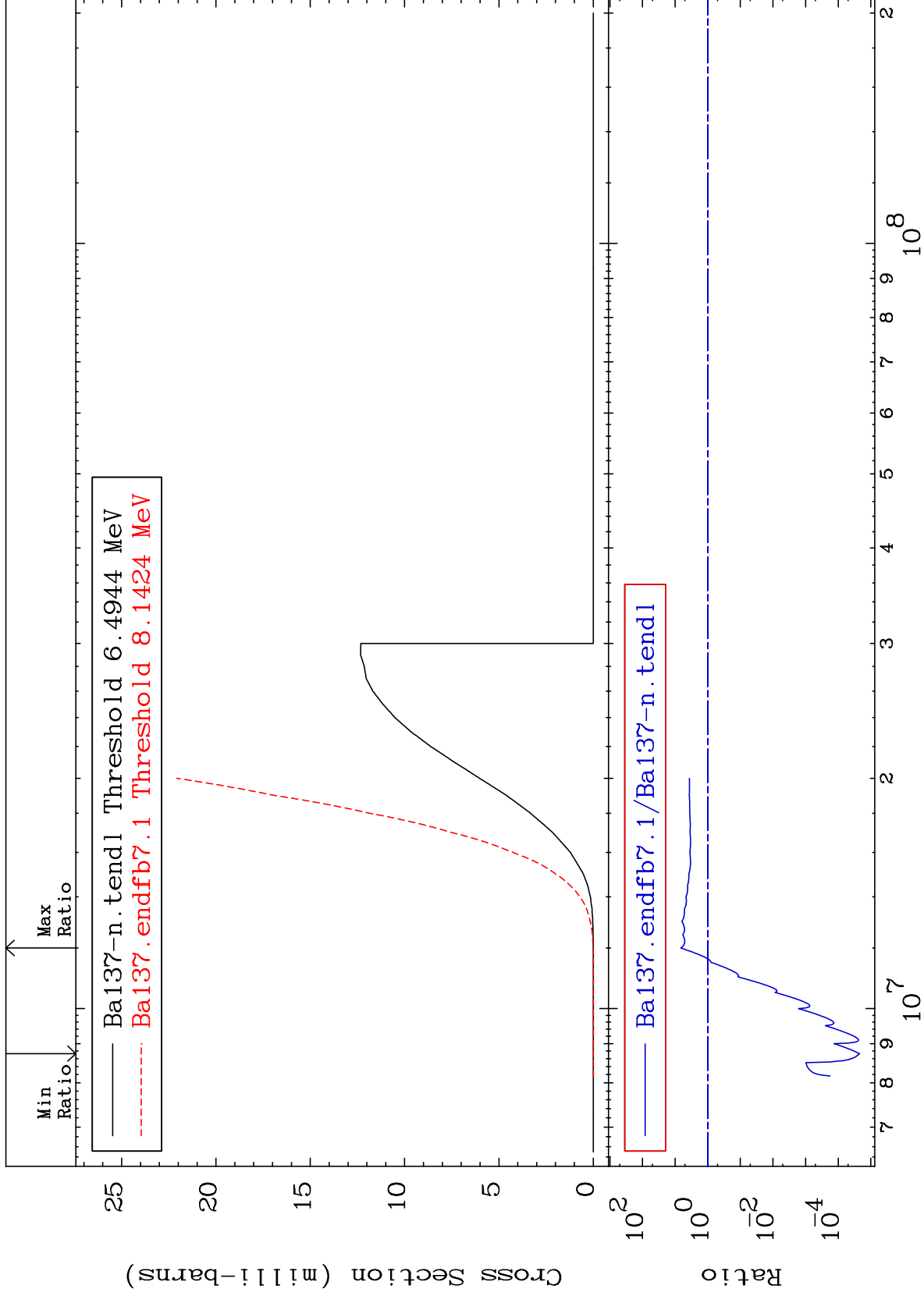
(n, p)  
Cross Section  
56-Ba-137  
-100.0 To -54.95%



MAT 5646

(n, d)  
Cross Section

56-Ba-137  
-100.0 To 570.7 %



20

Incident Energy (eV)

56-Ba-137

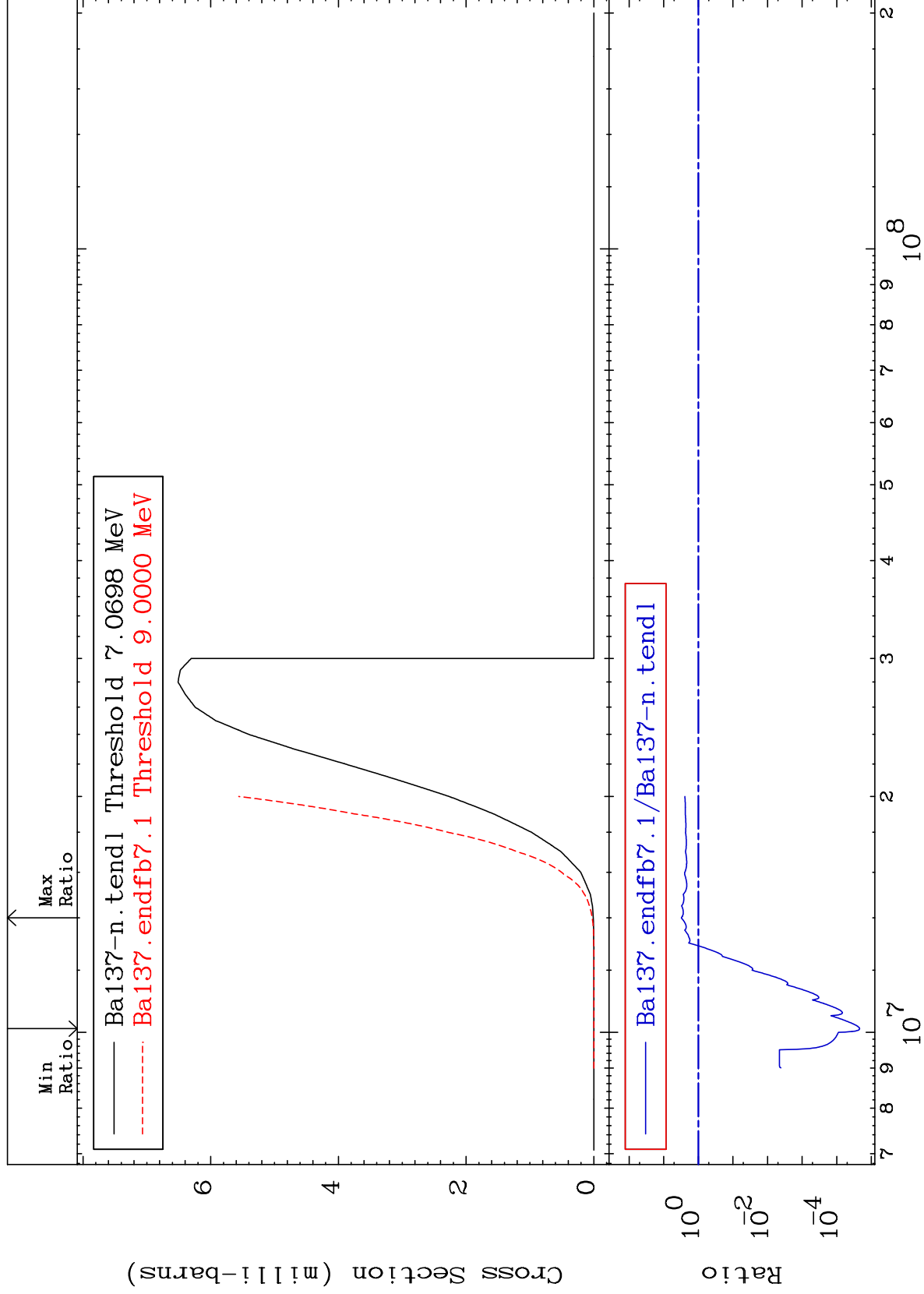
MAT 5646

(n, t)

56-Ba-137

Cross Section

-100.0 To 213.4 %



21

Incident Energy (eV)

56-Ba-137

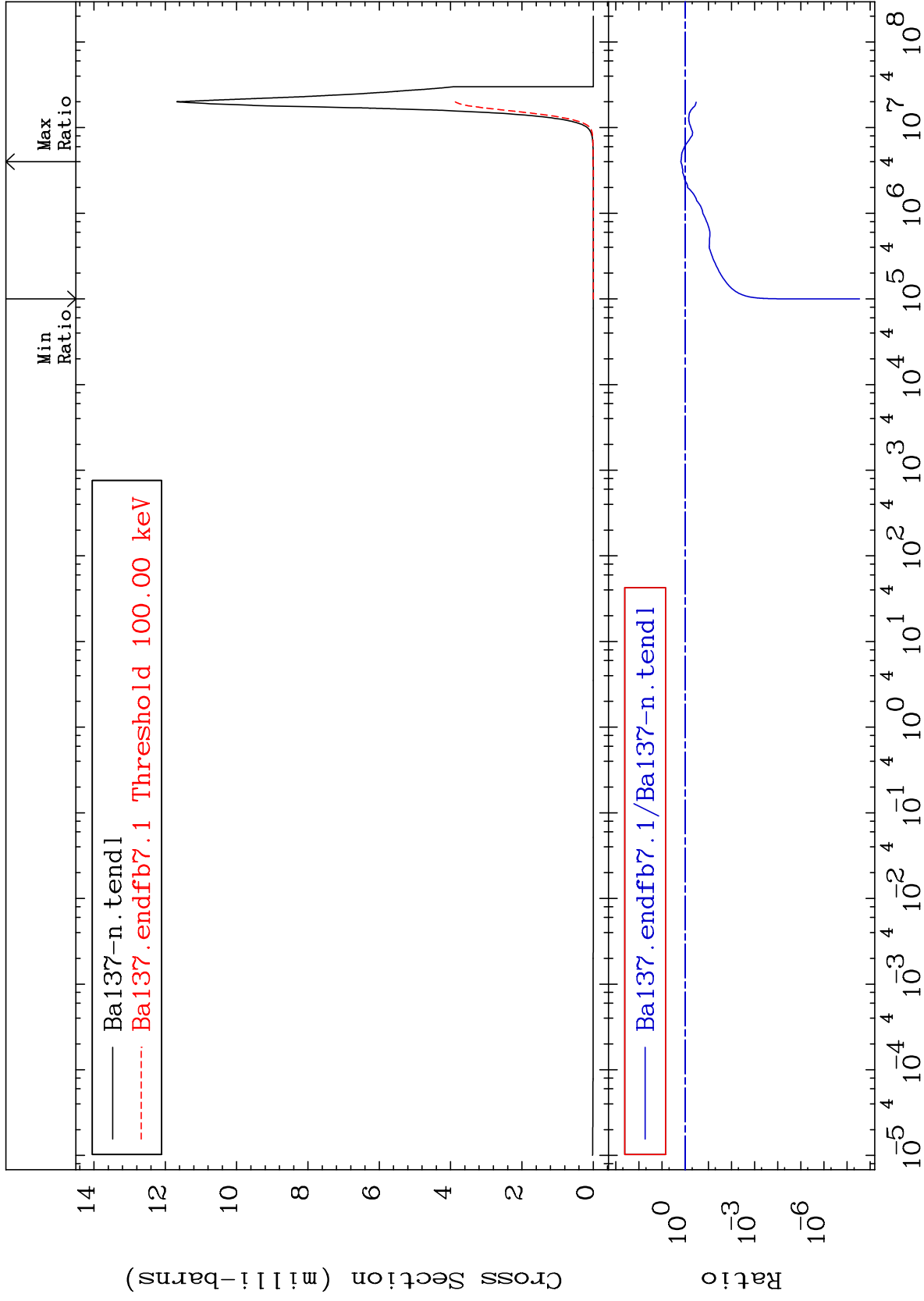
MAT 5646

(n,  $\alpha$ )

56-Ba-137

Cross Section

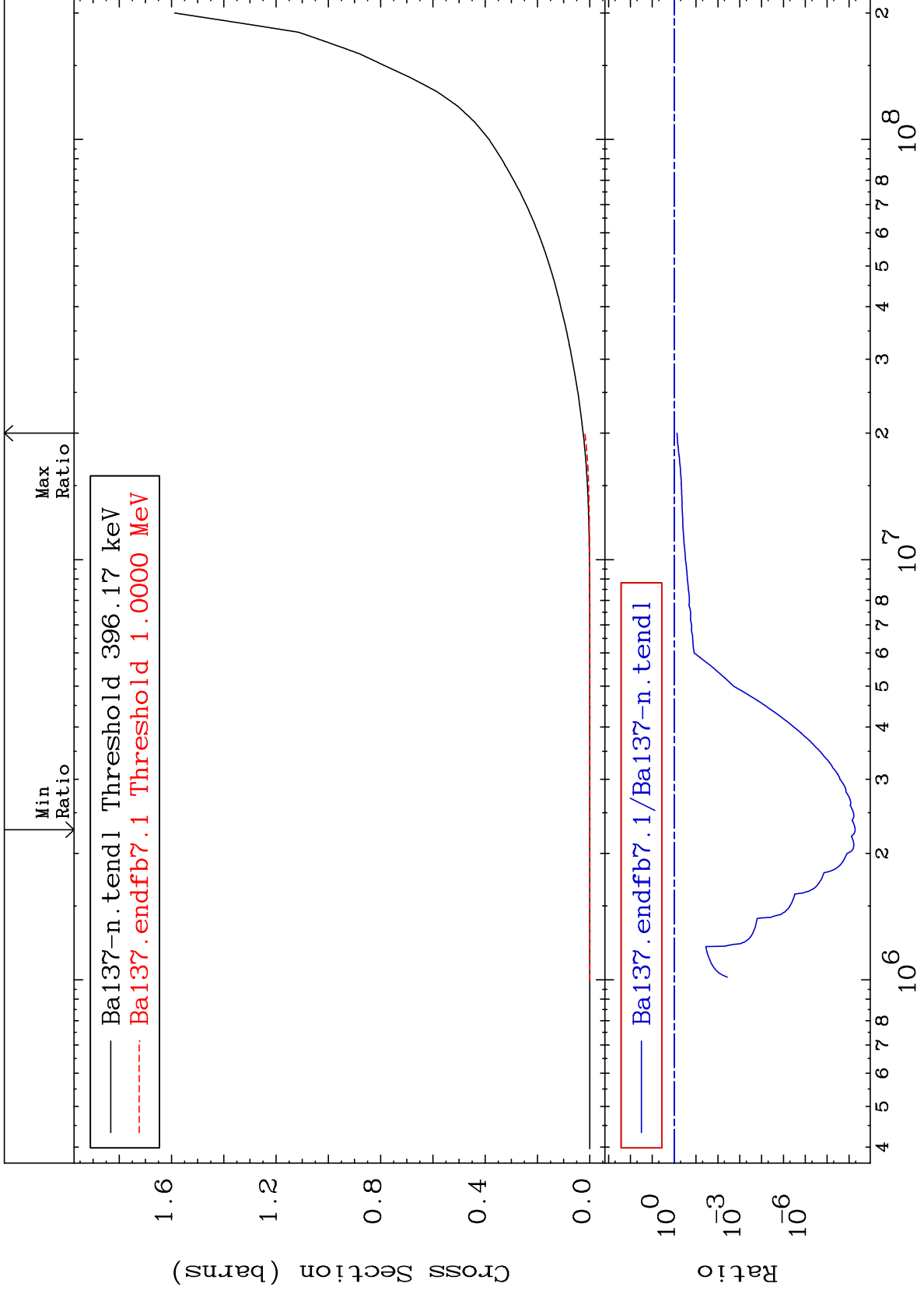
-100.0 To 55.43 %



MAT 5646

Hydrogen Production  
Cross Section

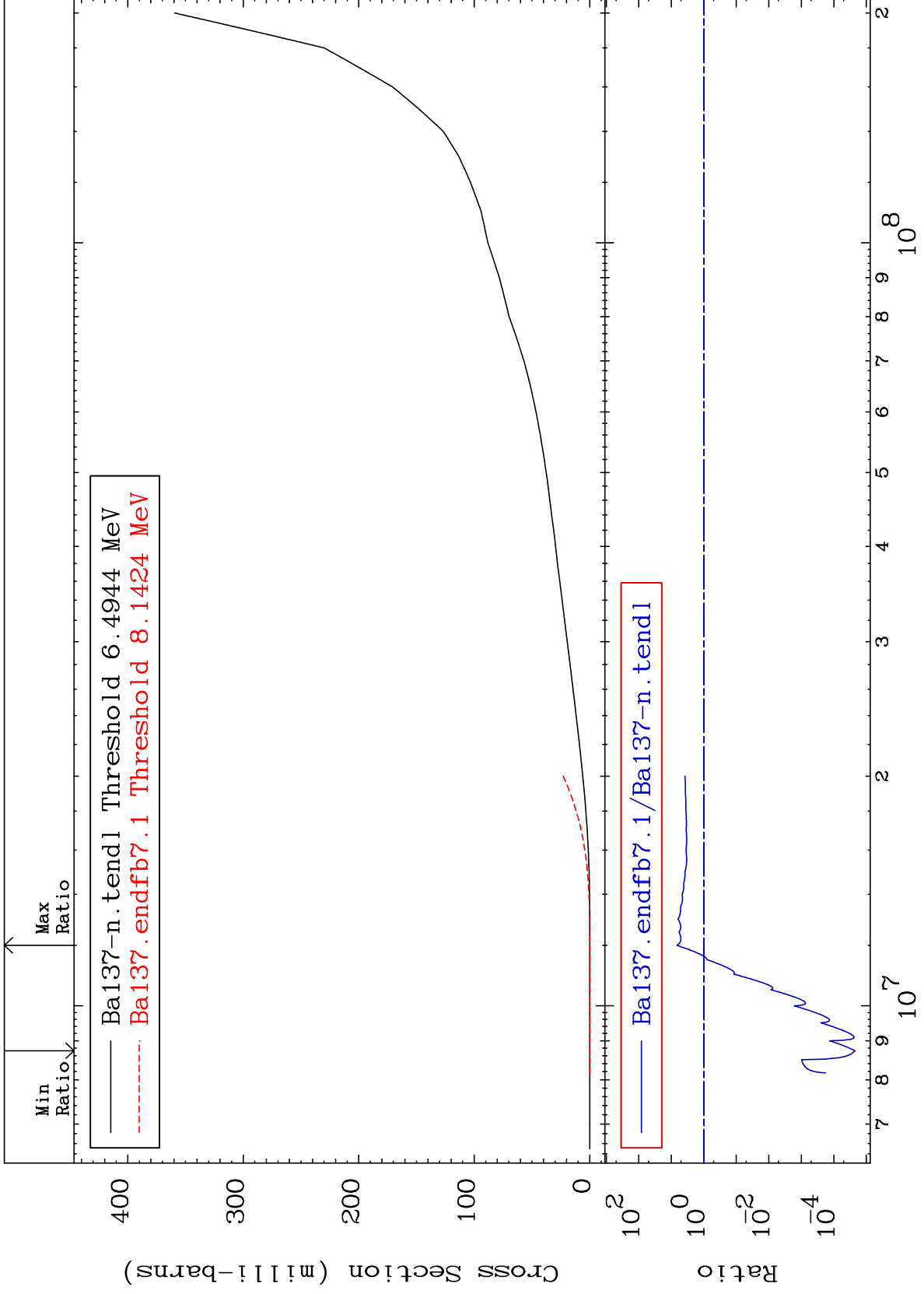
56-Ba-137  
-100.0 To -25.52%



MAT 5646

Deuterium Production  
Cross Section

56-Ba-137  
-100.0 To 570.7 %

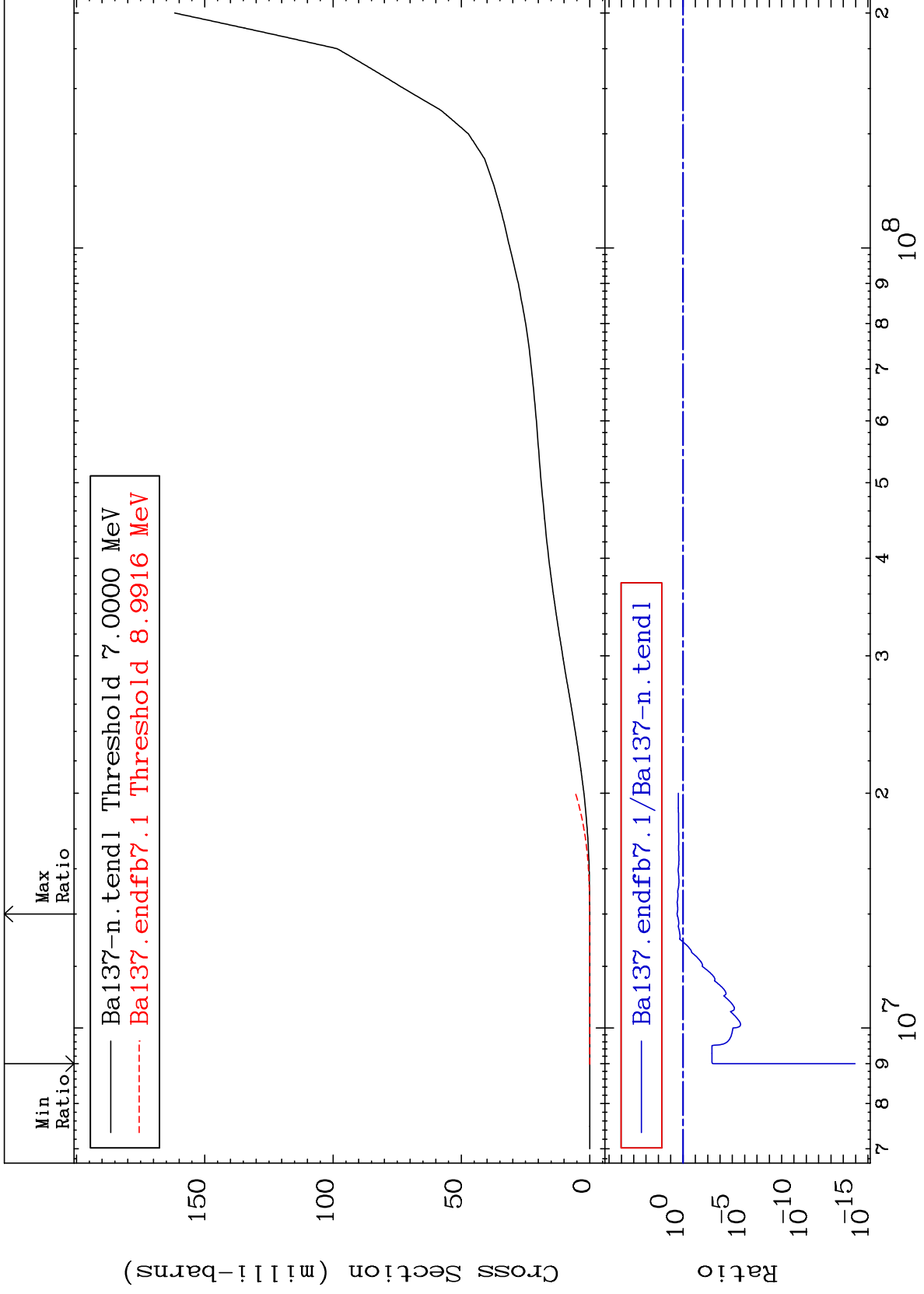




MAT 5646

Tritium Production  
Cross Section

56-Ba-137  
-100.0 To 213.4 %



25

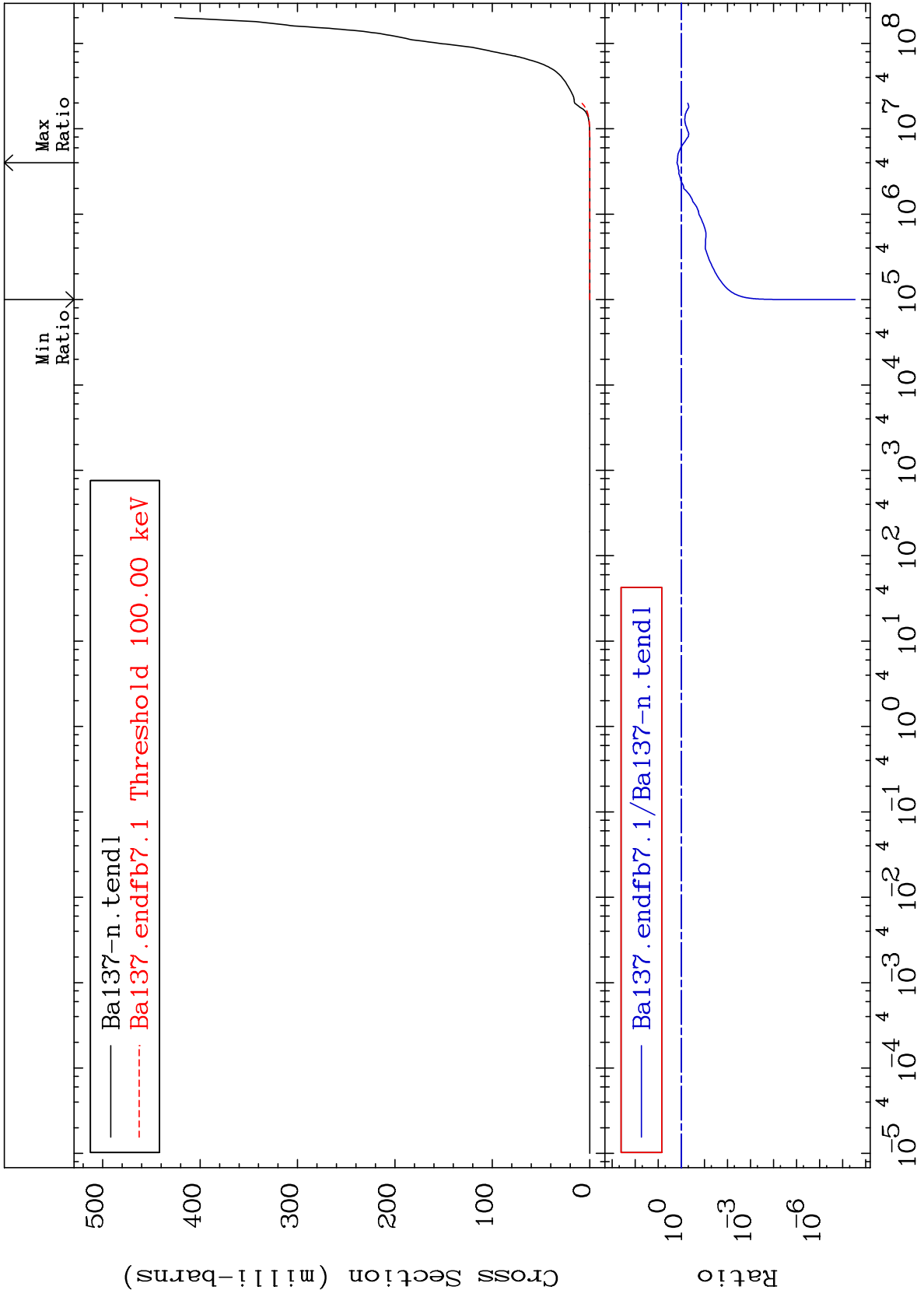
Incident Energy (eV)

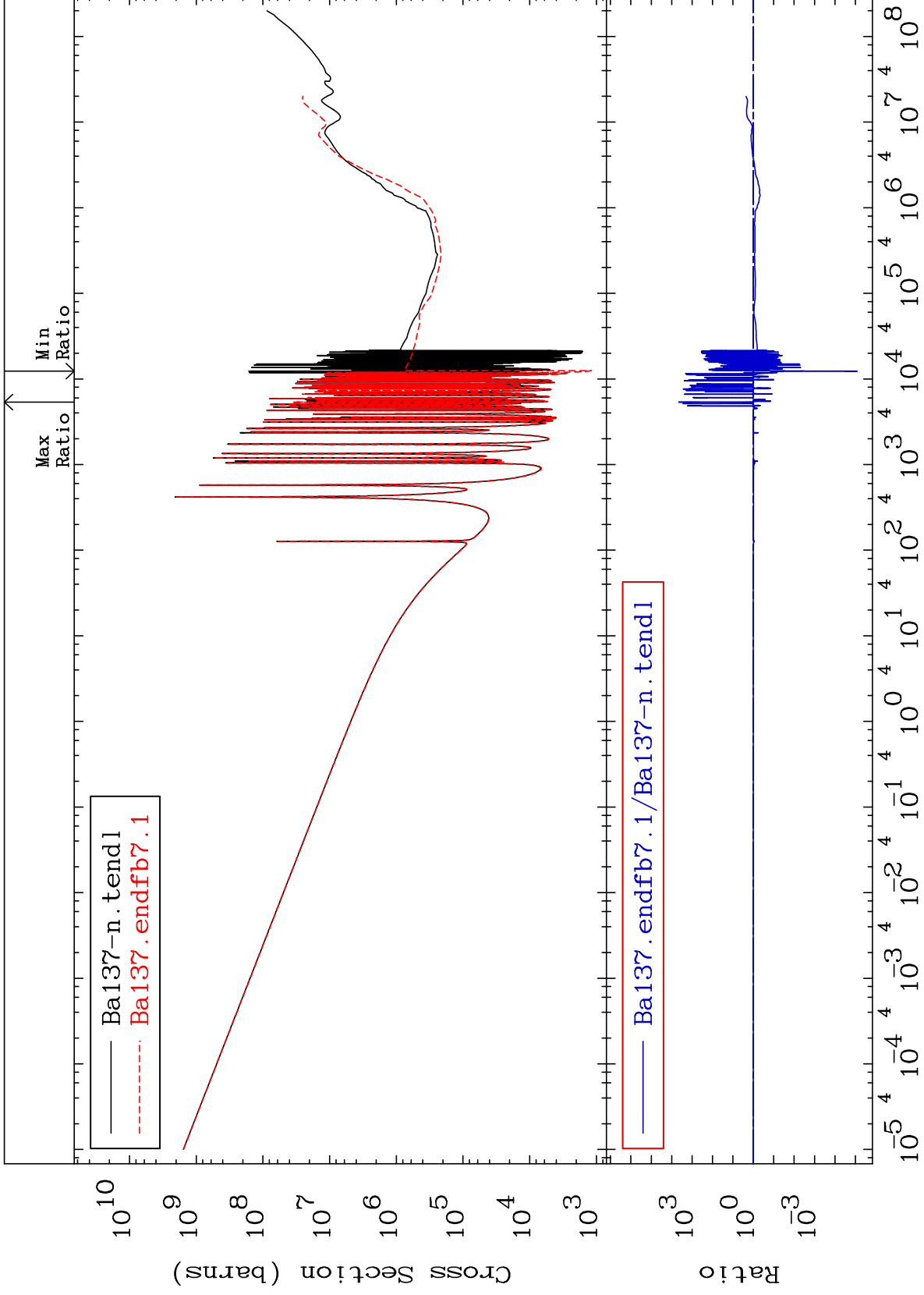
56-Ba-137

MAT 5646

He-4 Production  
Cross Section

56-Ba-137  
-100.0 To 55.43 %

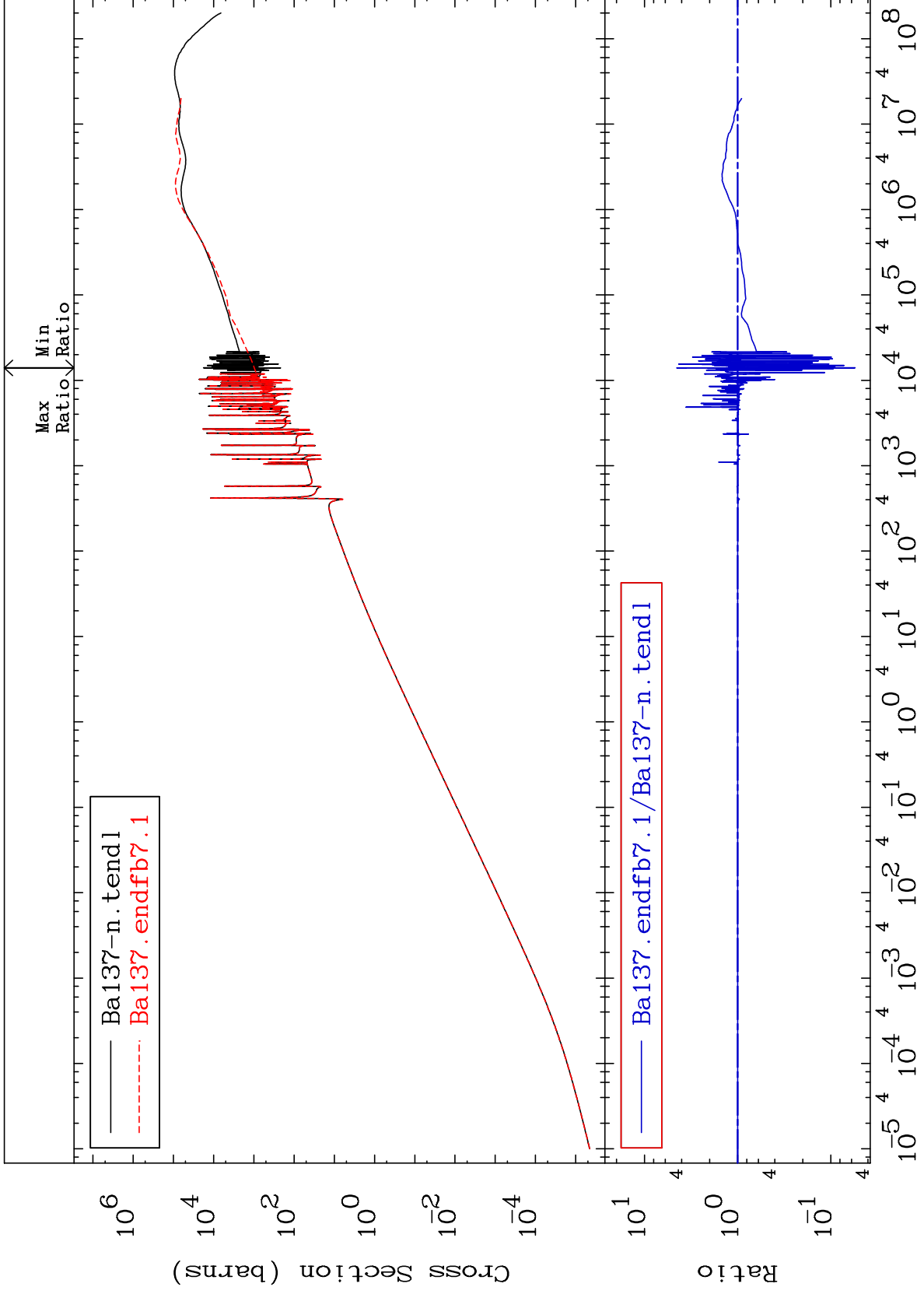


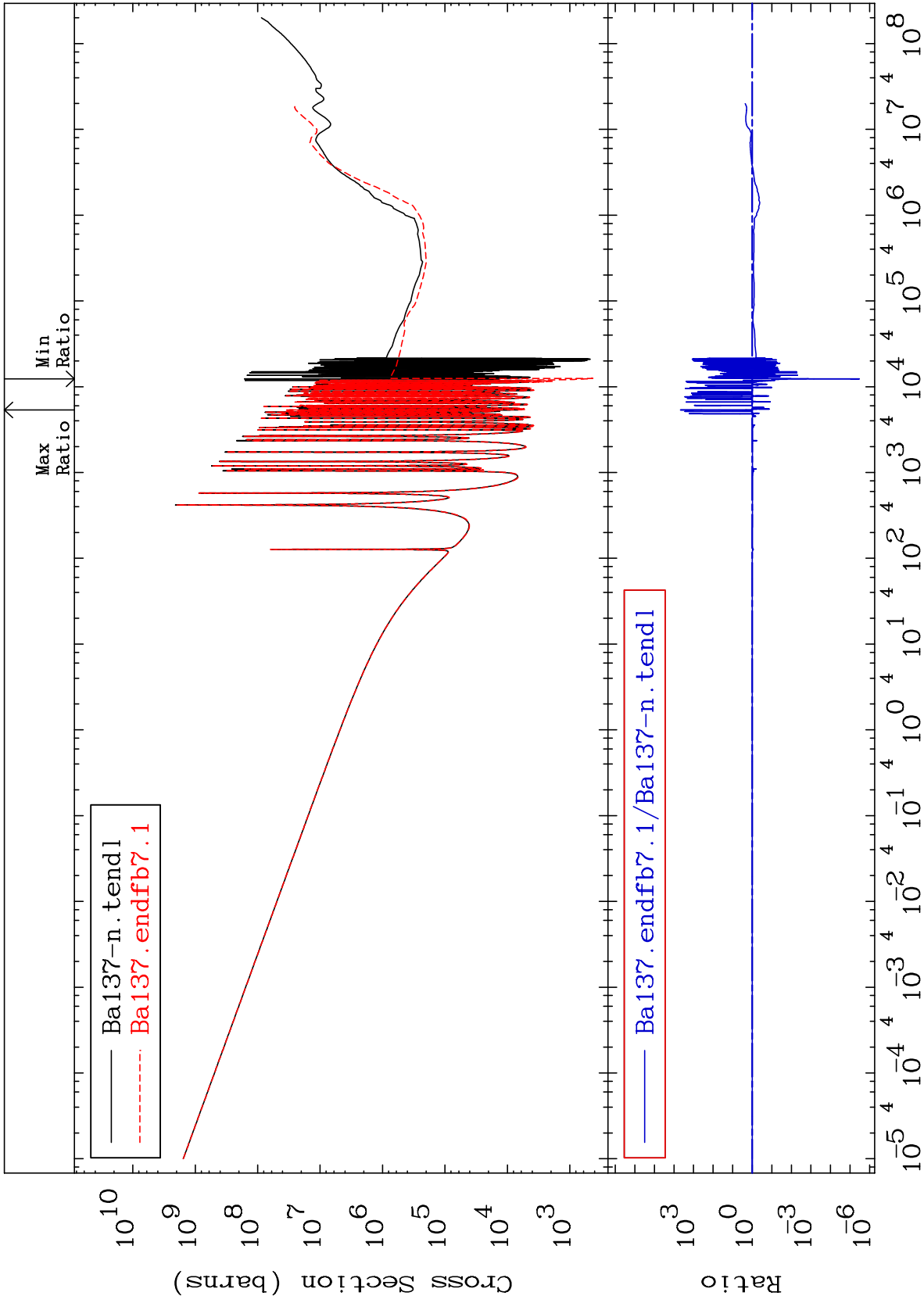


MAT 5646

Kerma elastic  
Cross Section

56-Ba-137  
-94.50 To 349.3 %

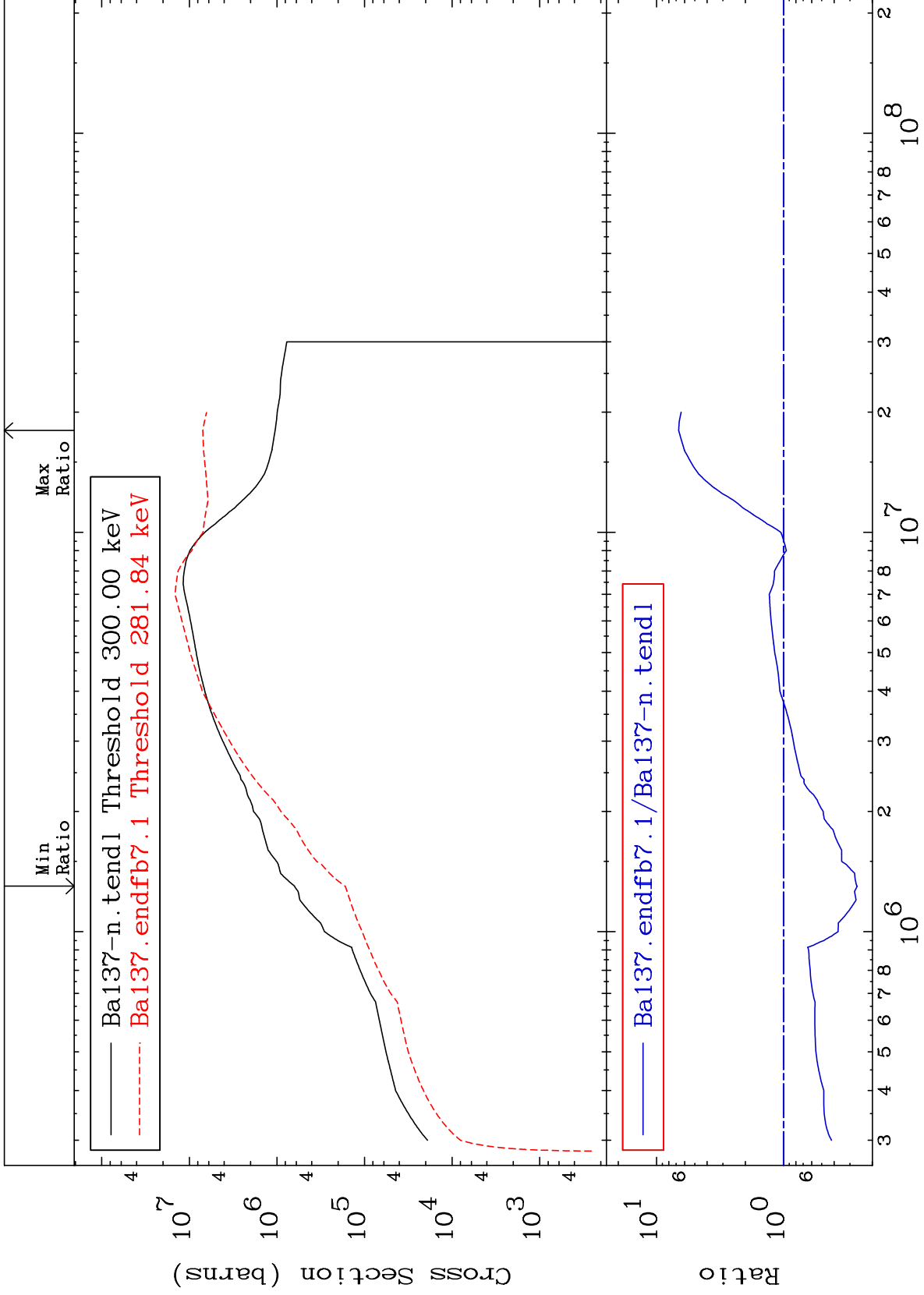




MAT 5646

Kerma inelastic (mt51-91)  
Cross Section

56-Ba-137  
-73.72 To 569.2 %



30

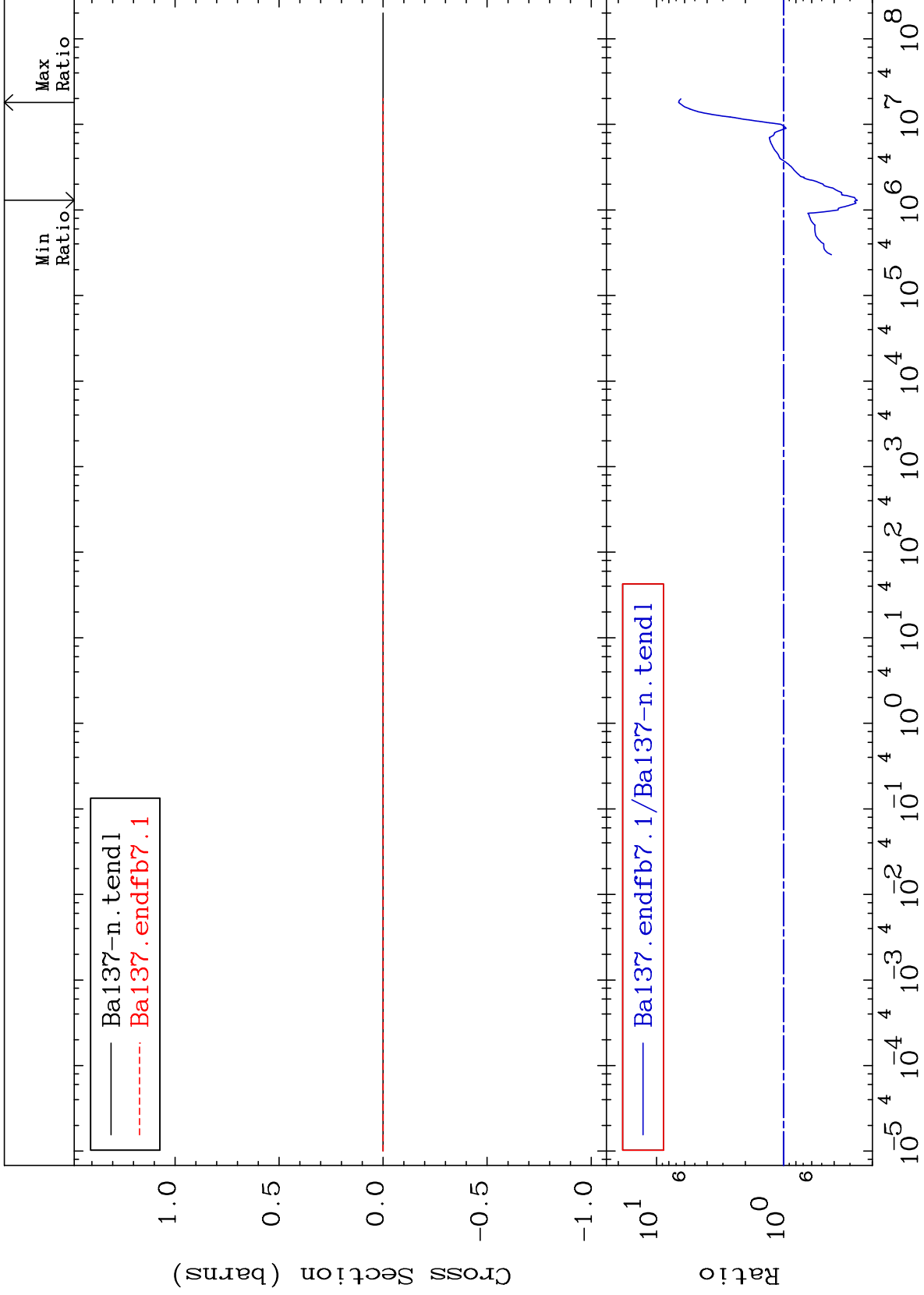
Incident Energy (eV)

56-Ba-137

MAT 5646

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

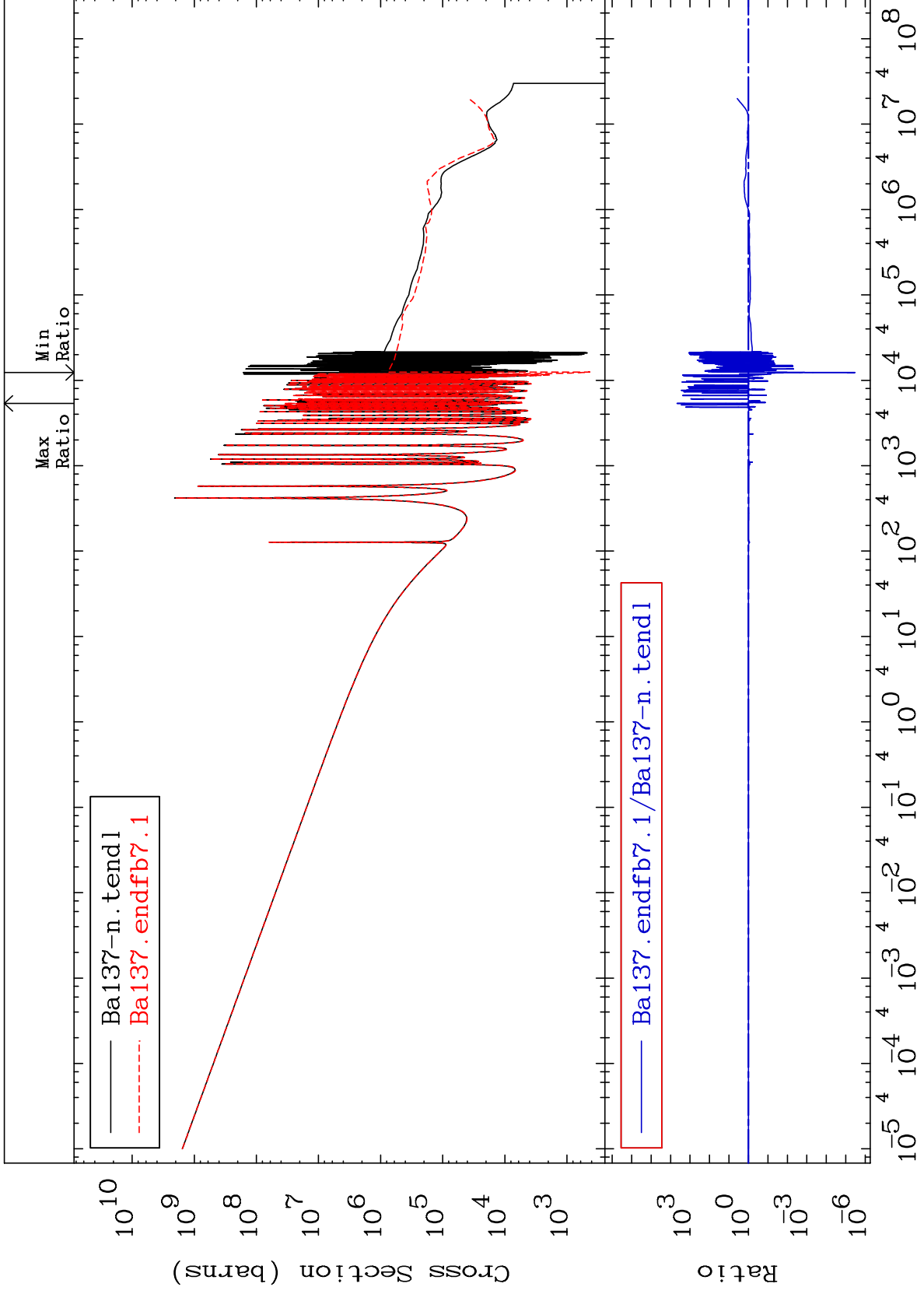
56-Ba-137  
-73.72 To 569.2 %



MAT 5646

Kerma capture (mt102)  
Cross Section

56-Ba-137  
-100.0 To 9999. %



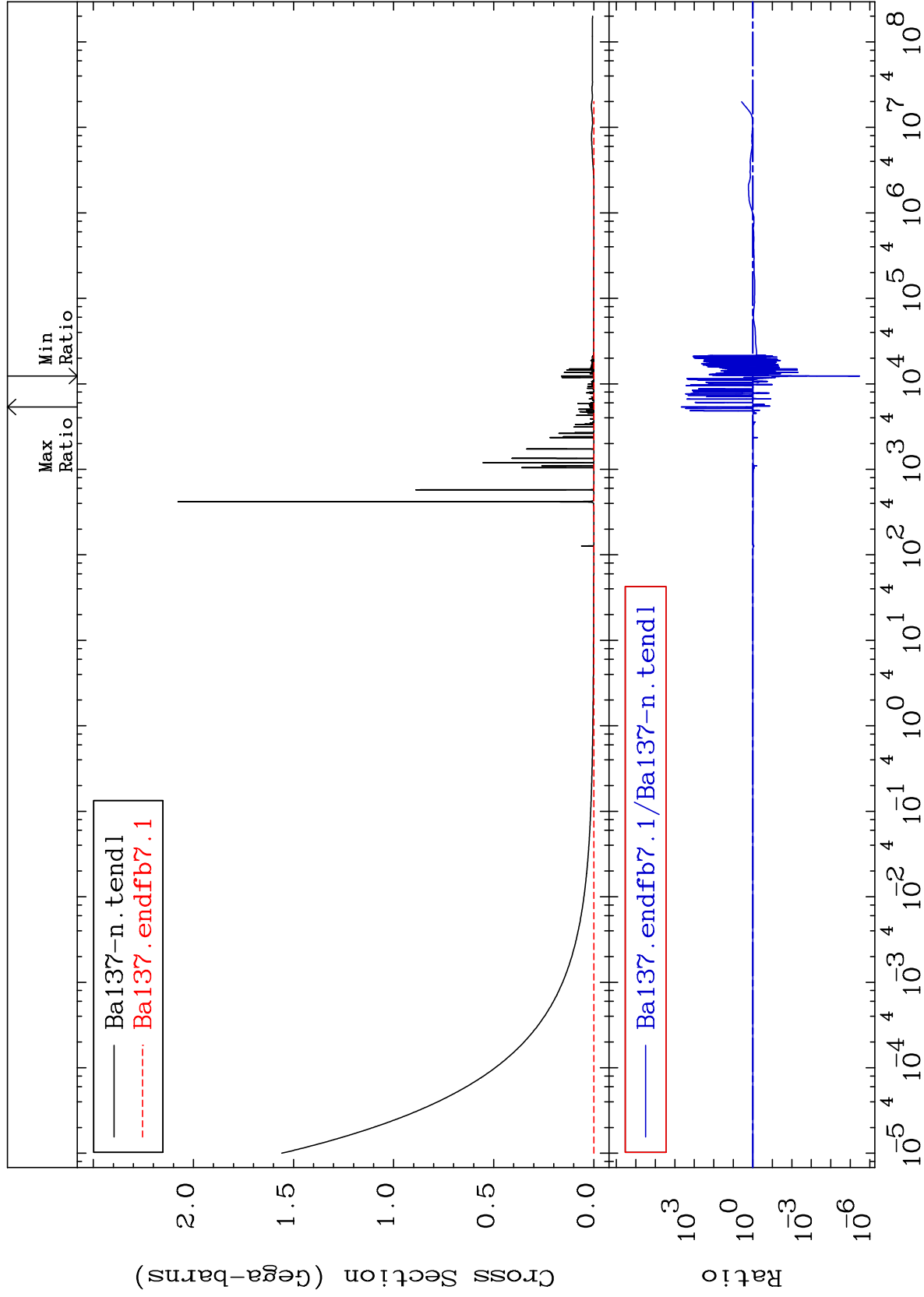


MAT 5646

Total photon (eV-barns)  
Cross Section

56-Ba-137

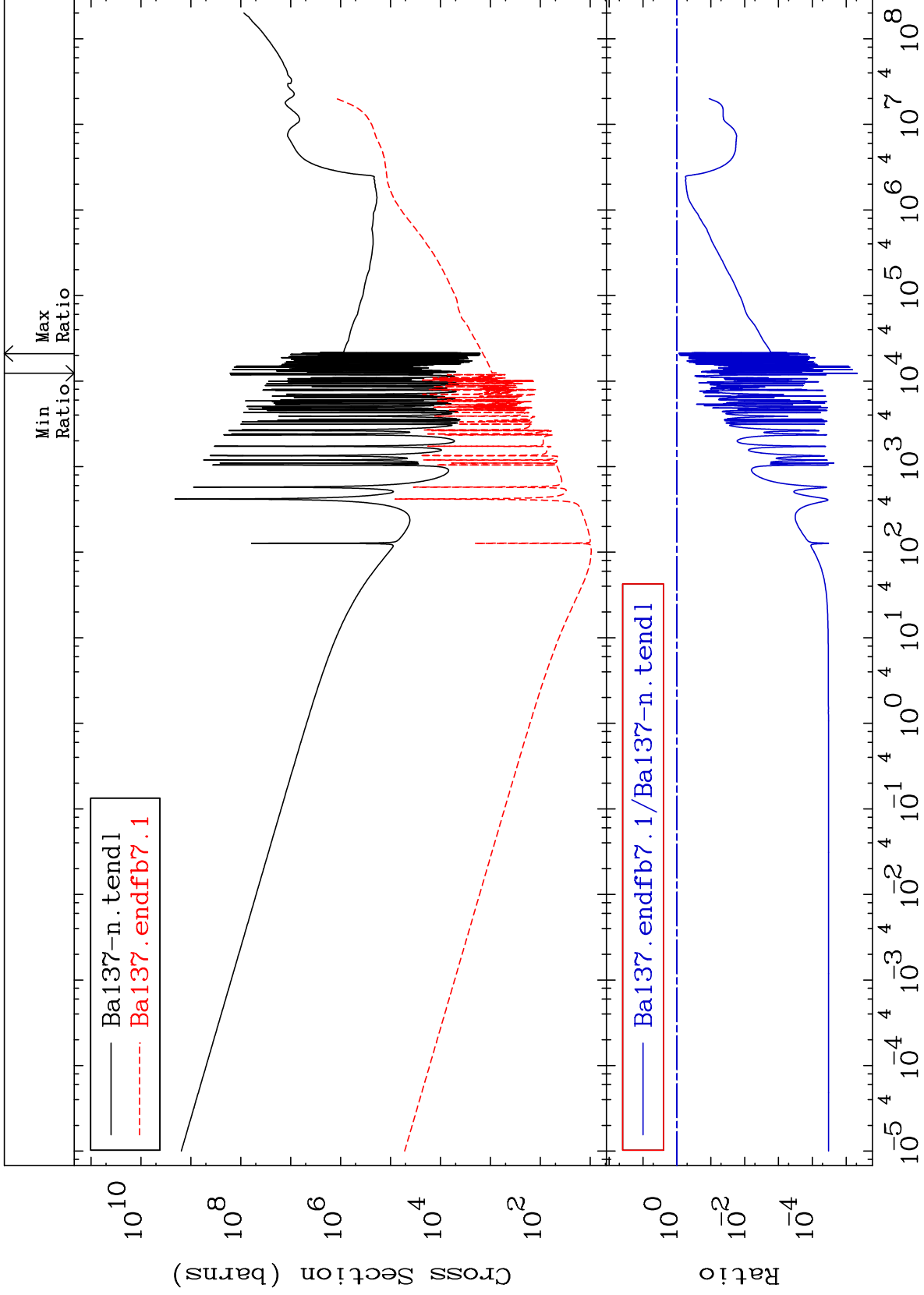
-100.0 To 9999. %



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Incident Energy (eV)

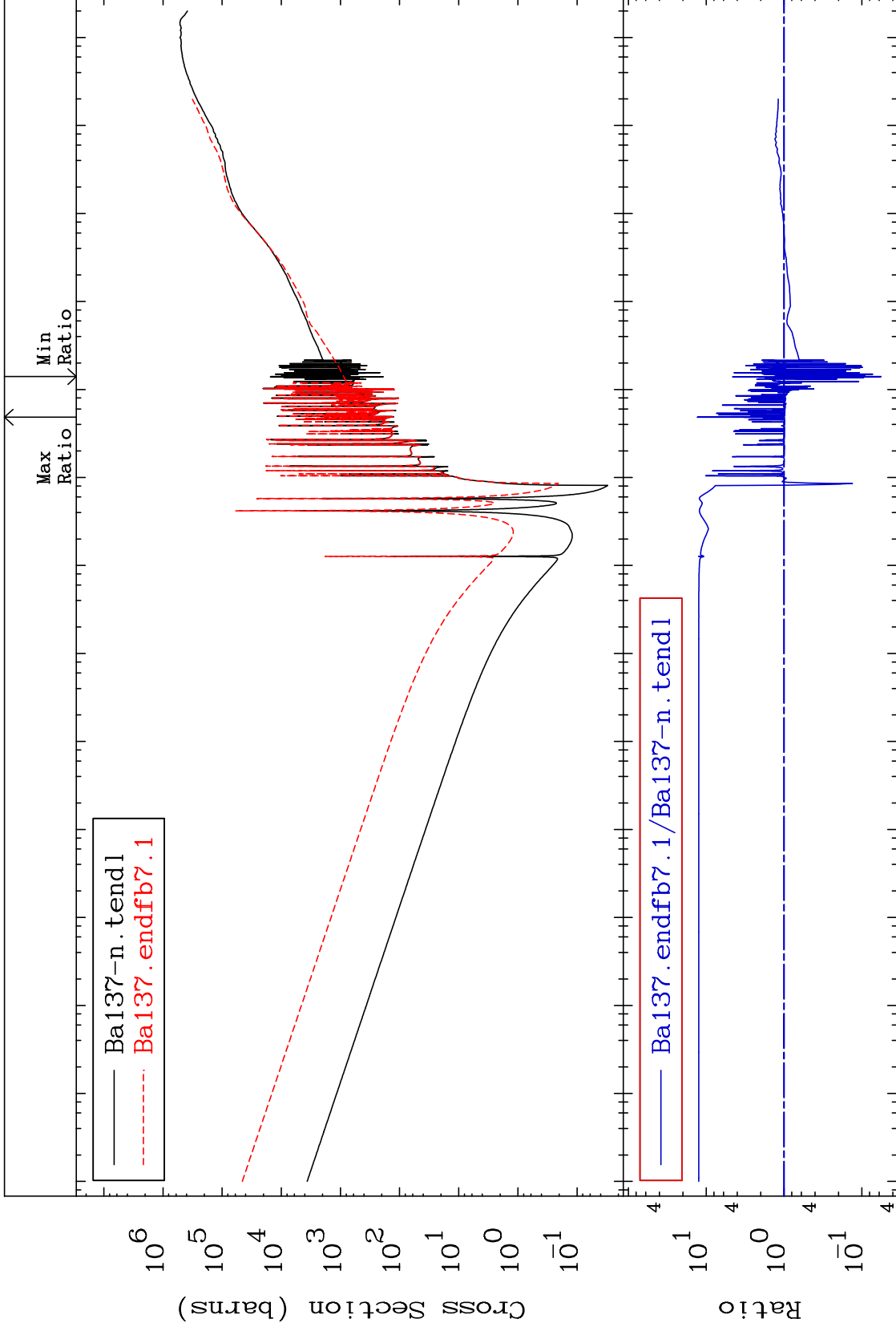
56-Ba-137



MAT 5646

Dpa total (eV-barns)  
Cross Section

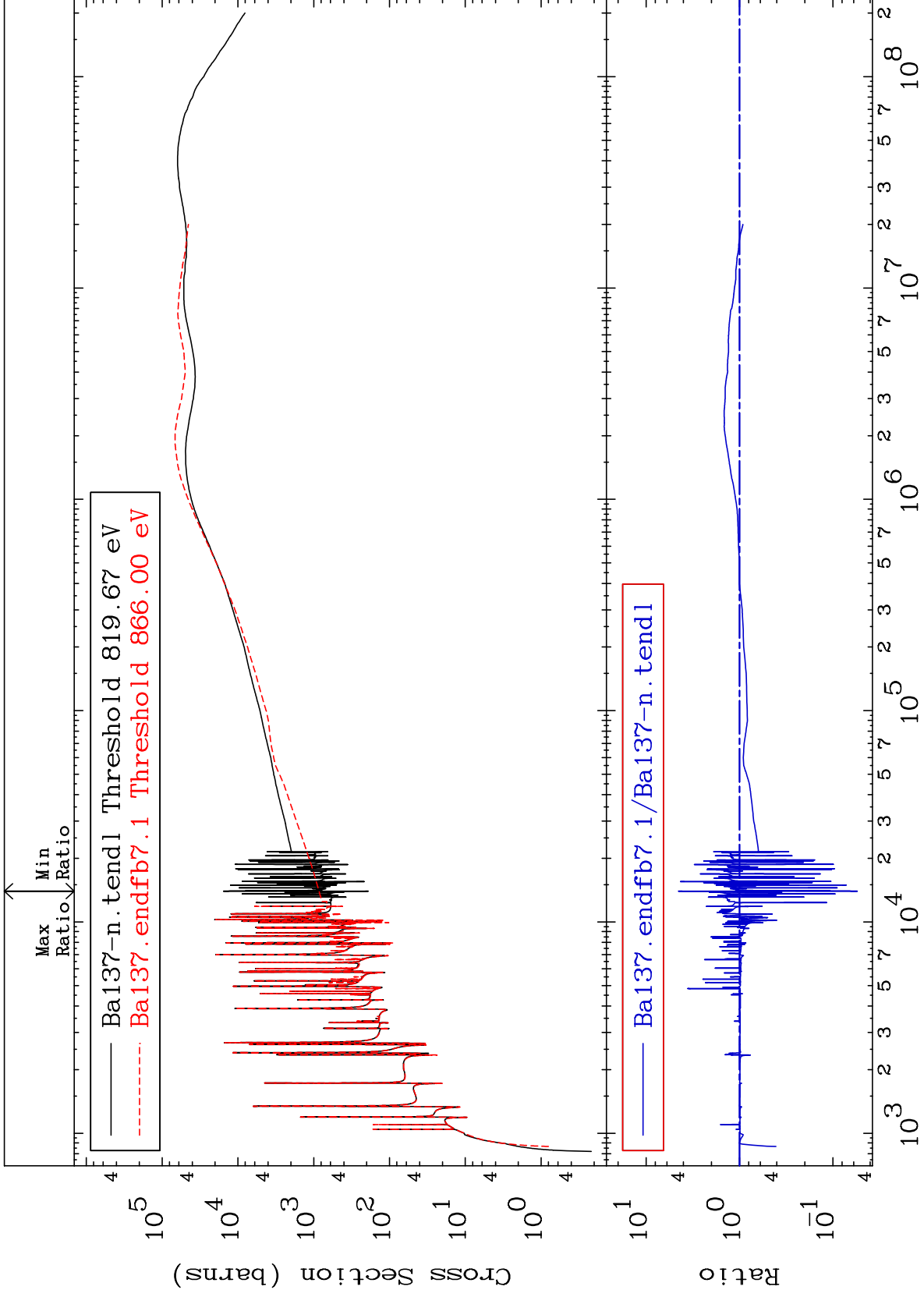
56-Ba-137  
-94.33 To 1197. %



MAT 5646

Dpa elastic (mt2)  
Cross Section

56-Ba-137  
-94.50 To 349.3 %



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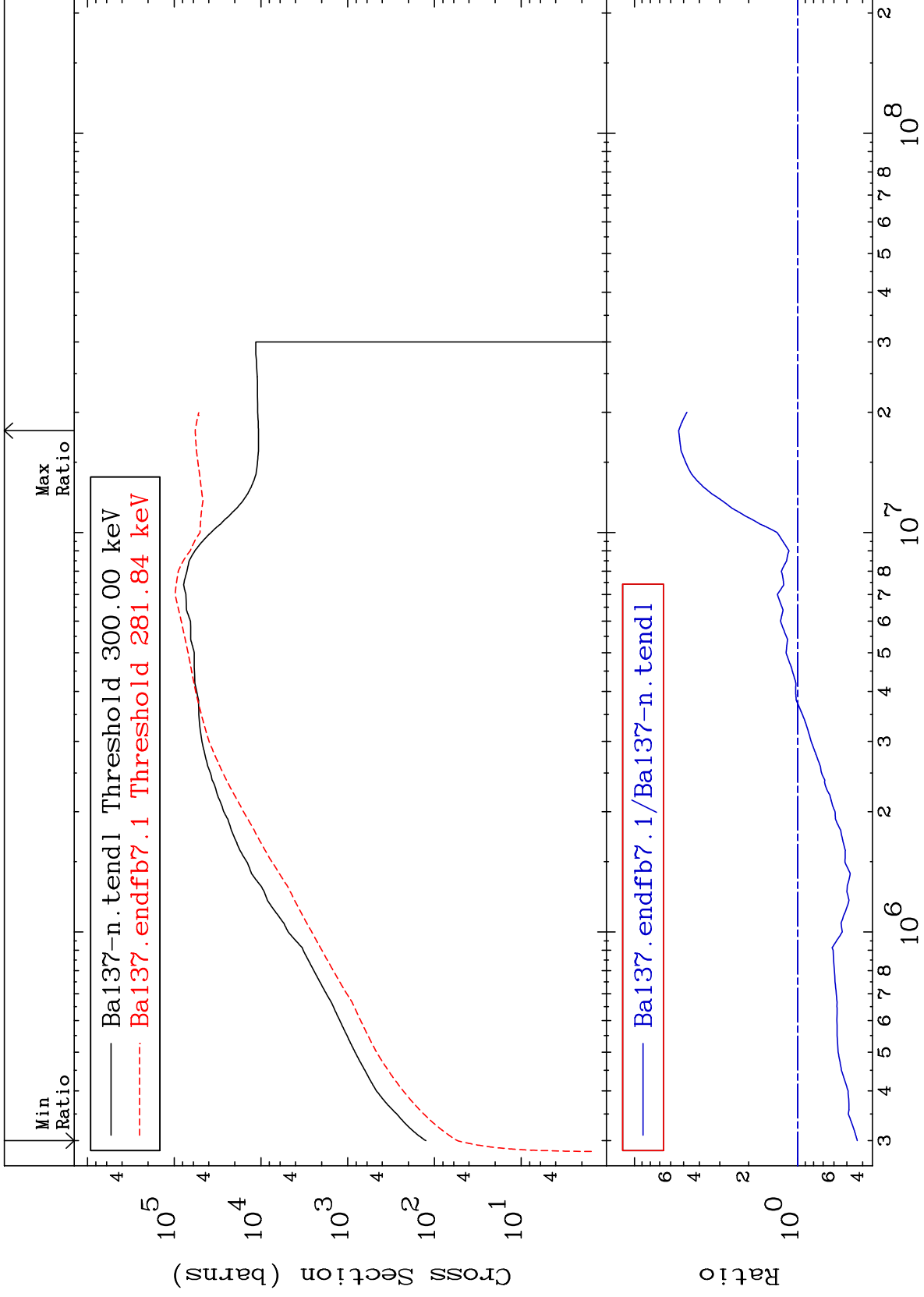
Incident Energy (eV)

56-Ba-137

MAT 5646

Dpa inelastic (mt51-91)  
Cross Section

56-Ba-137  
-56.79 To 436.4 %



37

56-Ba-137

MAT 5646

Dpa disappearance (mt102 -120)  
Cross Section

56-Ba-137  
-99.99 To 9999. %

