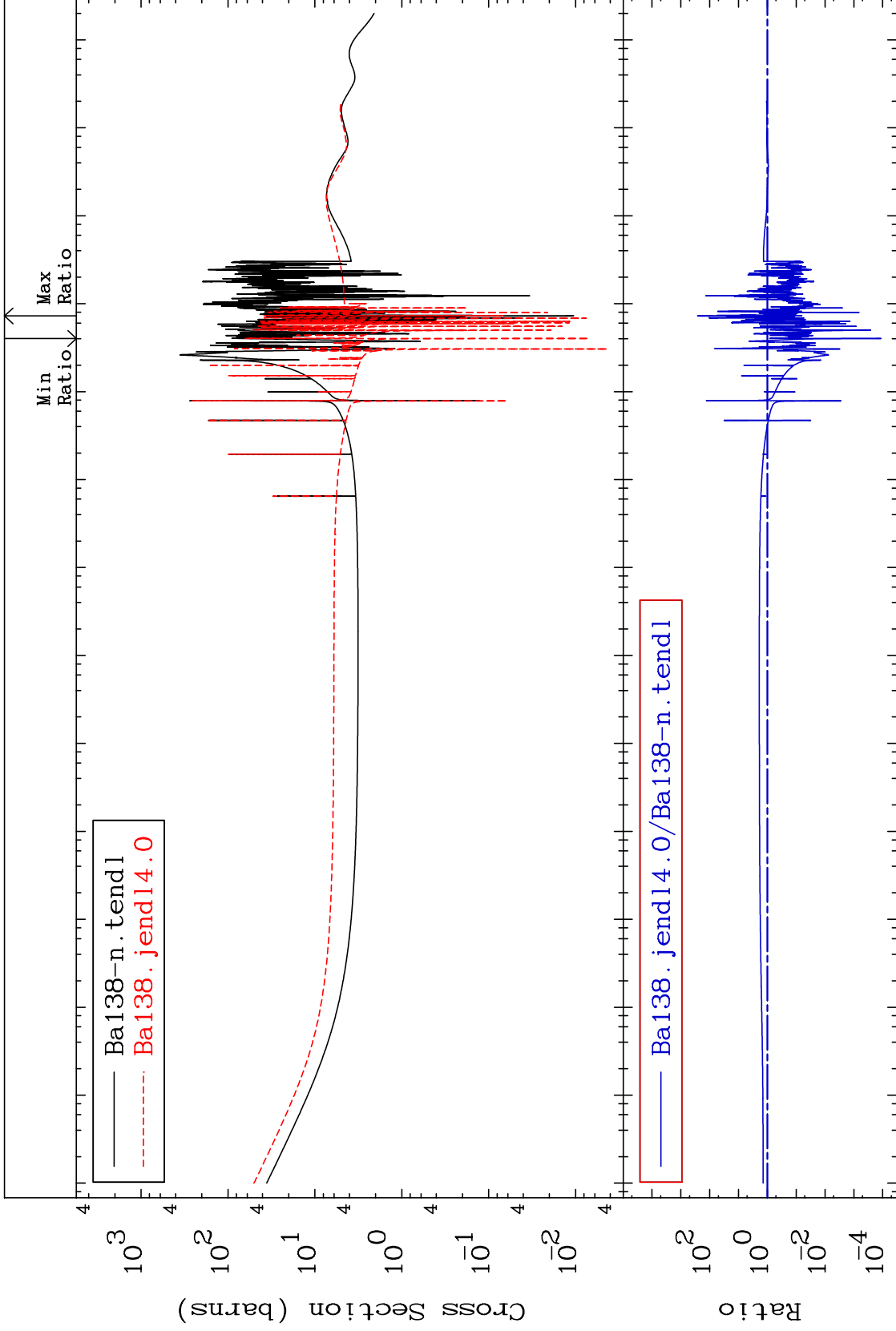


MAT 5649

Total  
Cross Section

56-Ba-138  
-99.99 To 9999. %



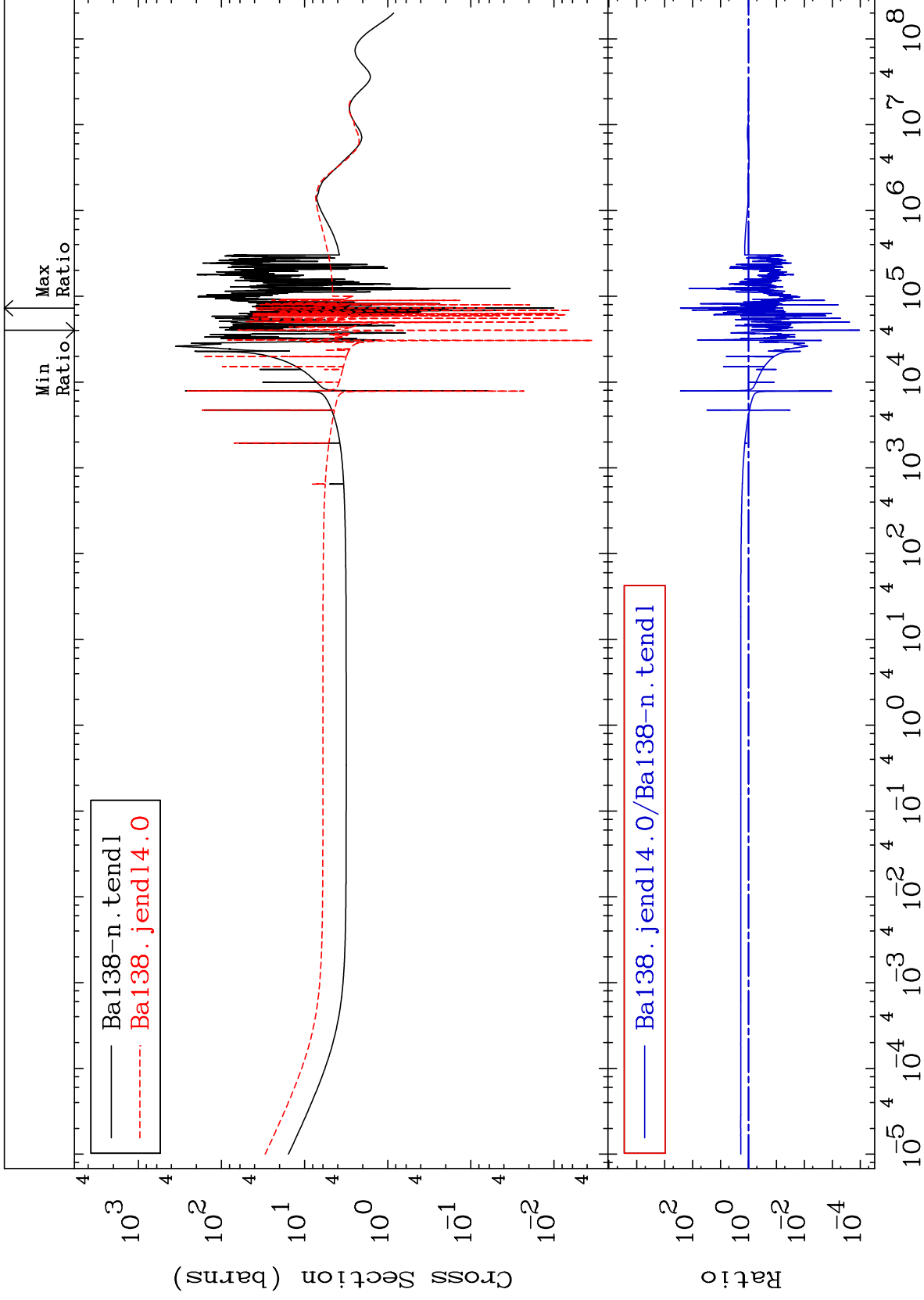
Incident Energy (eV)

56-Ba-138

MAT 5649

Elastic  
Cross Section

56-Ba-138  
-99.99 To 9999. %



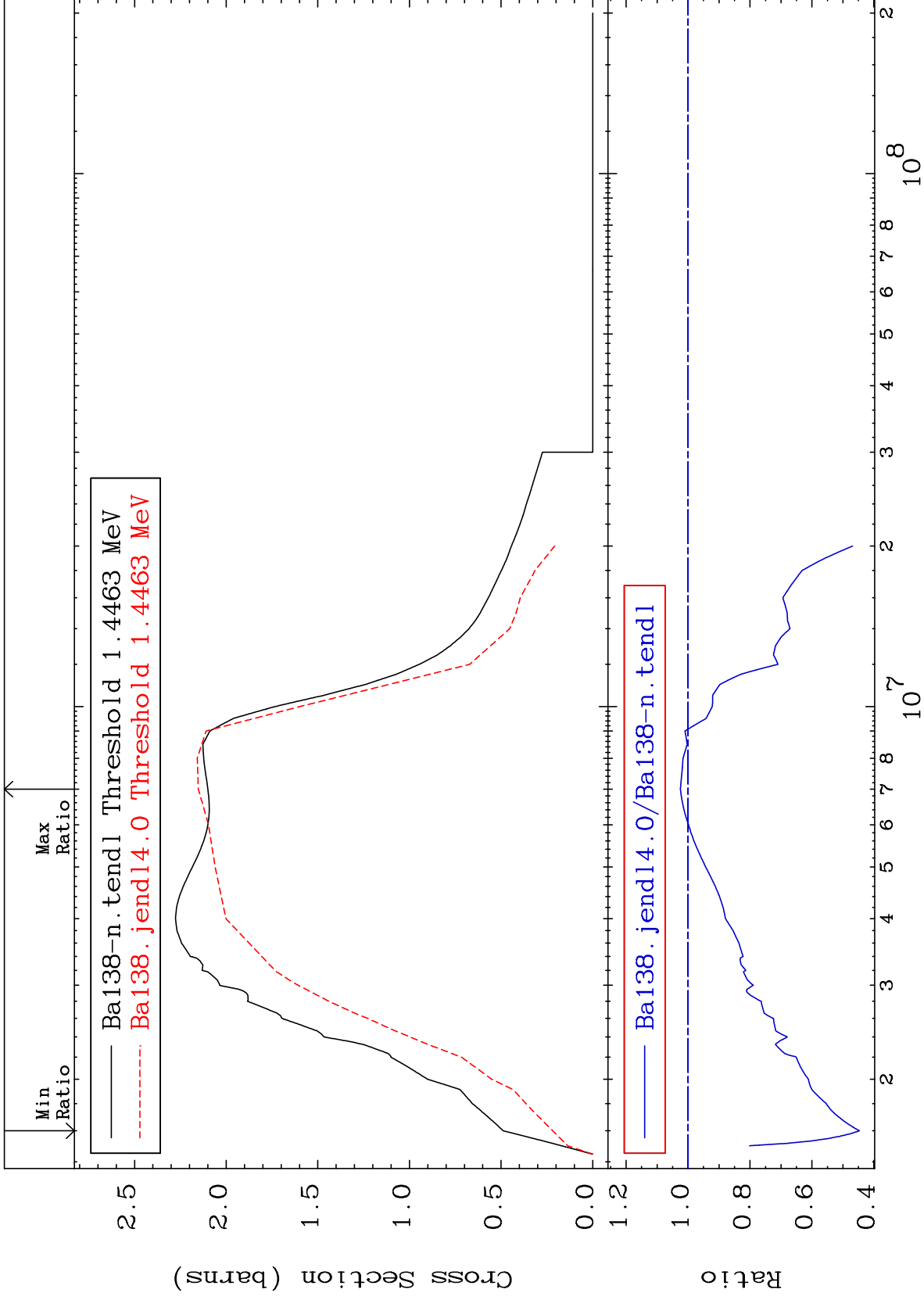
Incident Energy (eV)

56-Ba-138

MAT 5649

Inelastic  
Cross Section

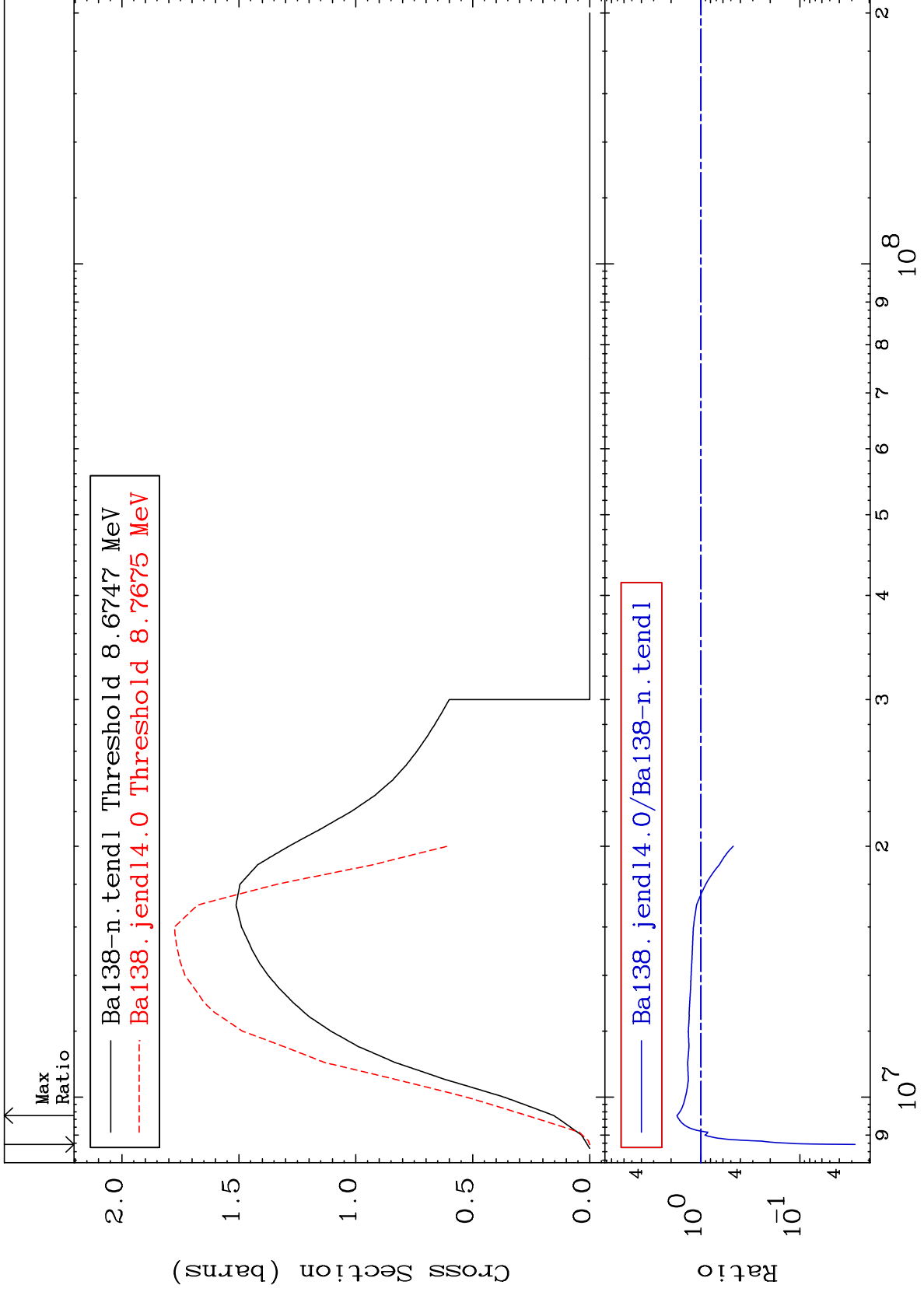
56-Ba-138  
-55.32 To 2.487 %



MAT 5649

(n,2n)  
Cross Section

56-Ba-138  
-97.22 To 74.90 %



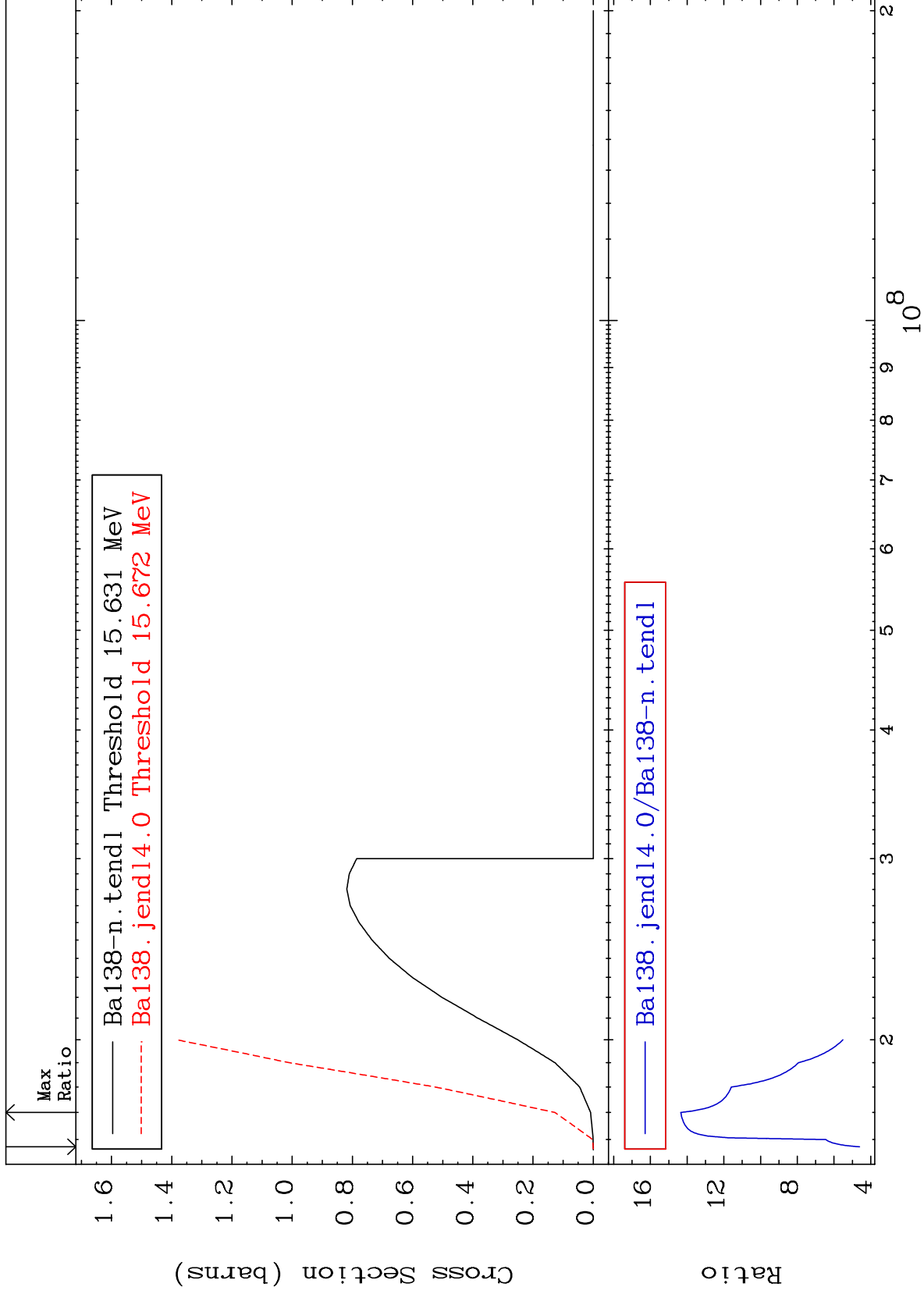
Incident Energy (eV)

56-Ba-138

MAT 5649

(n,3n)  
Cross Section

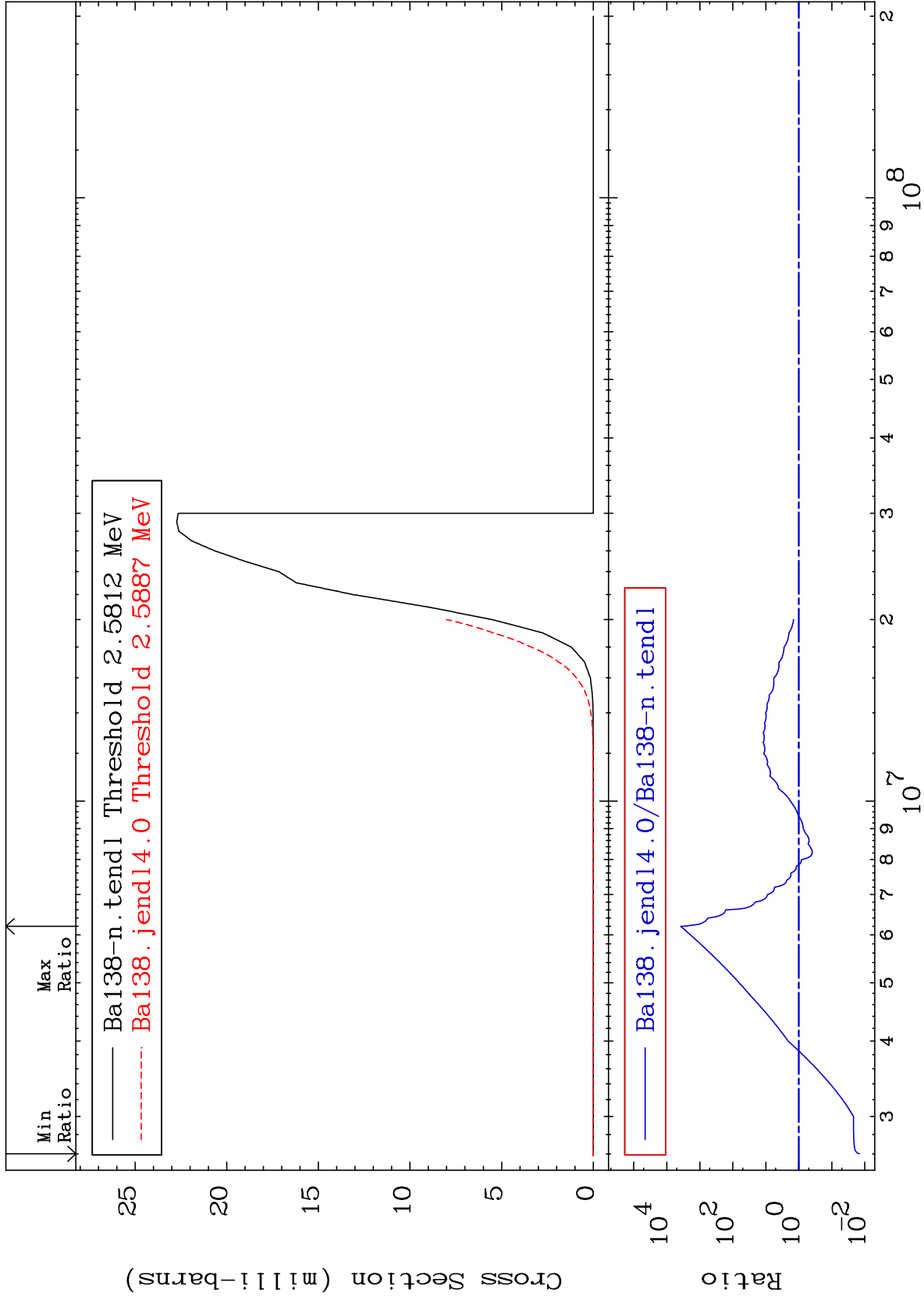
56-Ba-138  
360.9 To 1335. %



MAT 5649

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

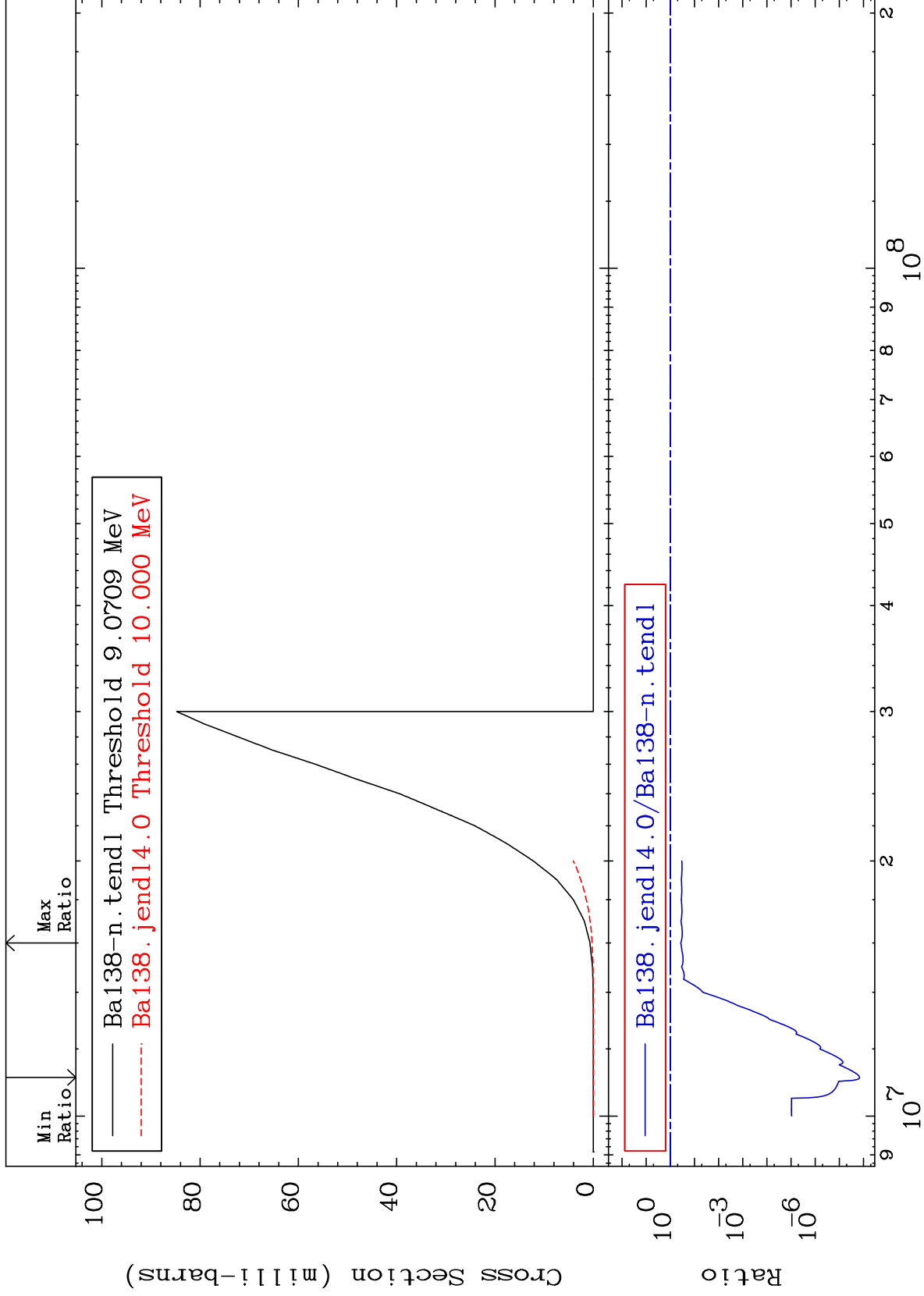
56-Ba-138  
-98.55 To 9999. %



MAT 5649

(n,n') p  
Cross Section

56-Ba-138  
-100.0 To -63.24%



7

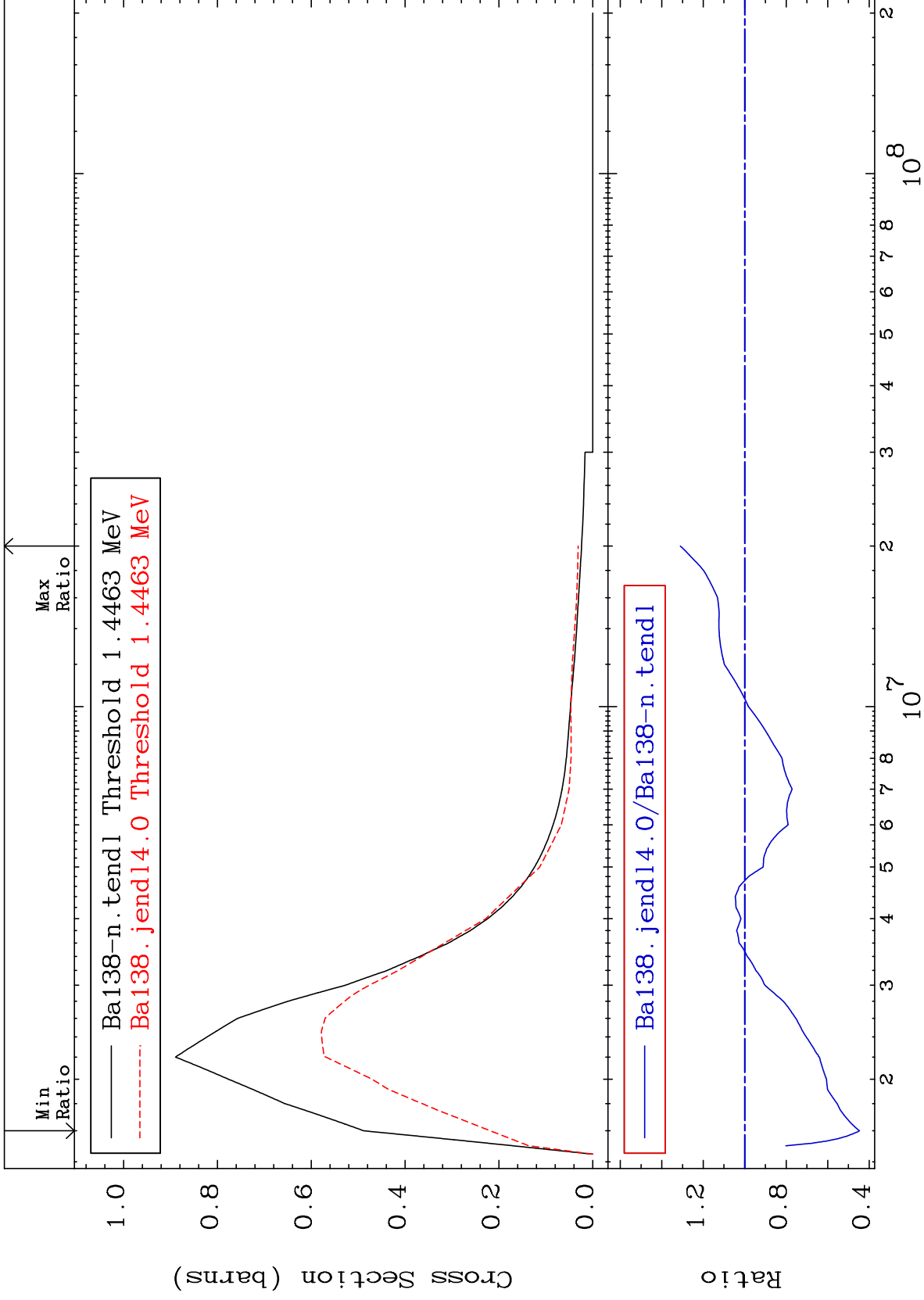
Incident Energy (eV)

56-Ba-138

MAT 5649

1.436 MeV (n,n') Level  
Cross Section

56-Ba-138  
-55.32 To 31.04 %

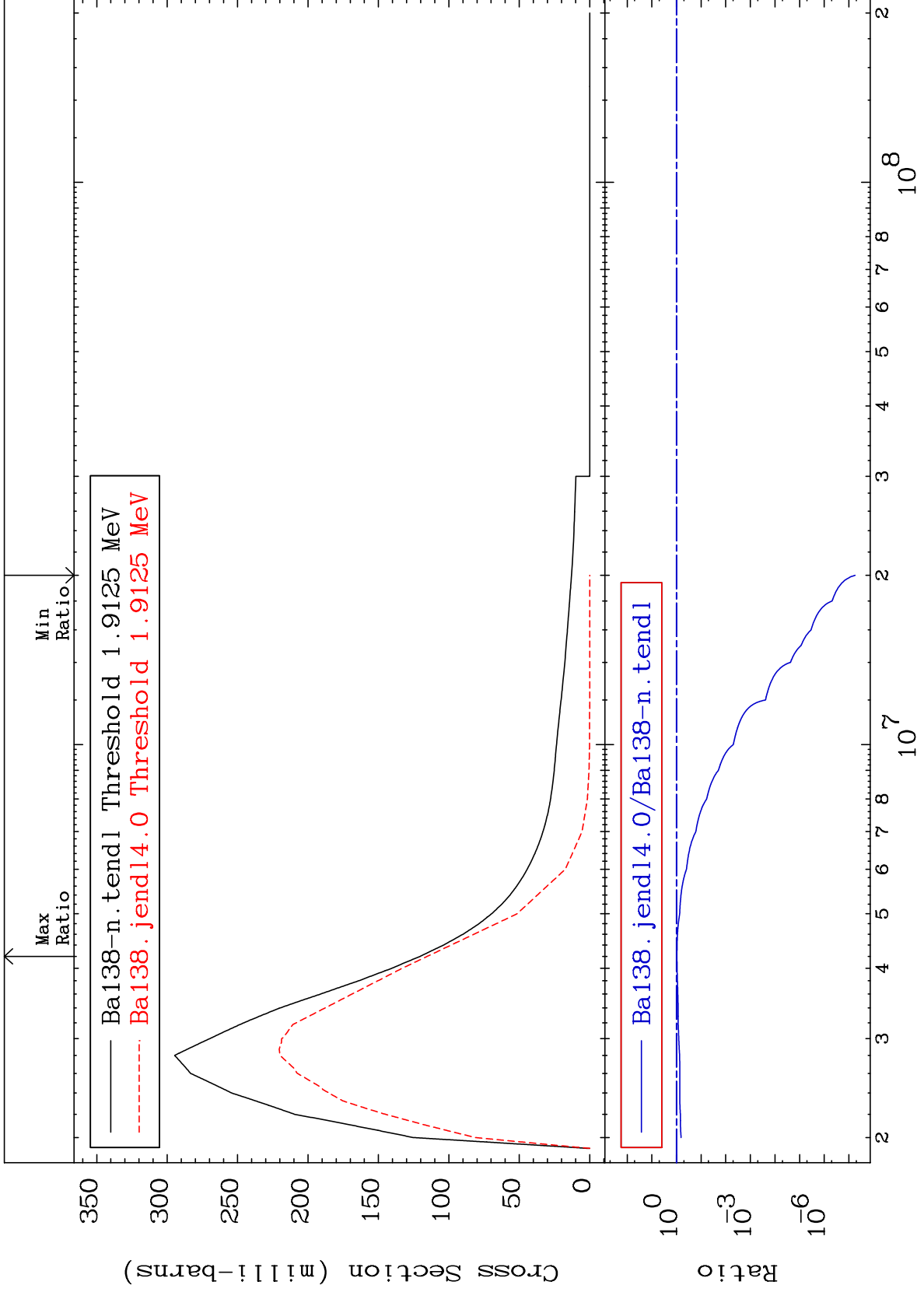




MAT 5649

1.899 MeV (n,n') Level  
Cross Section

56-Ba-138  
-100.0 To -4.248%

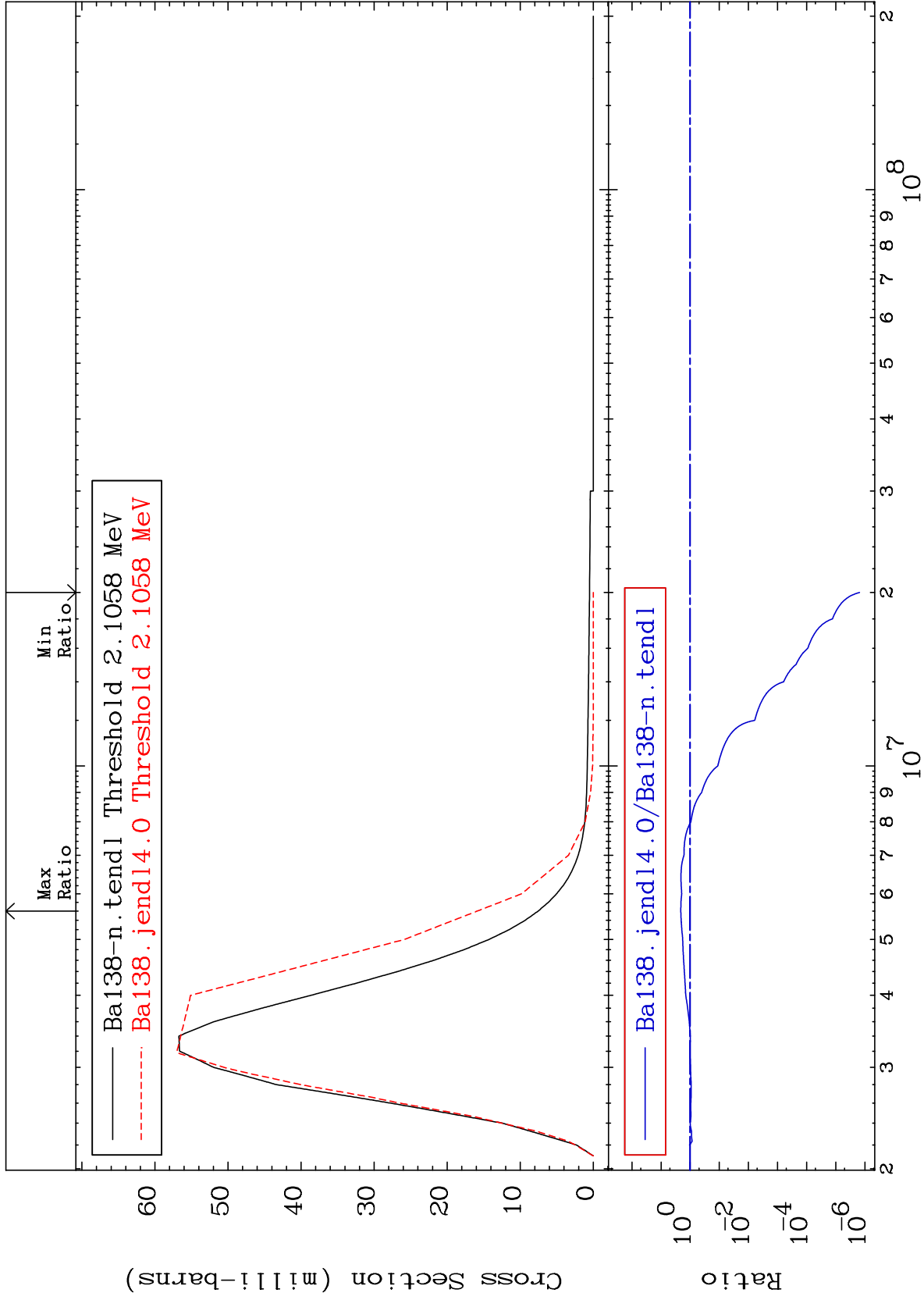


MAT 5649

2.091 MeV (n,n') Level

56-Ba-138

-100.0 To 110.7 %



10

Incident Energy (eV)

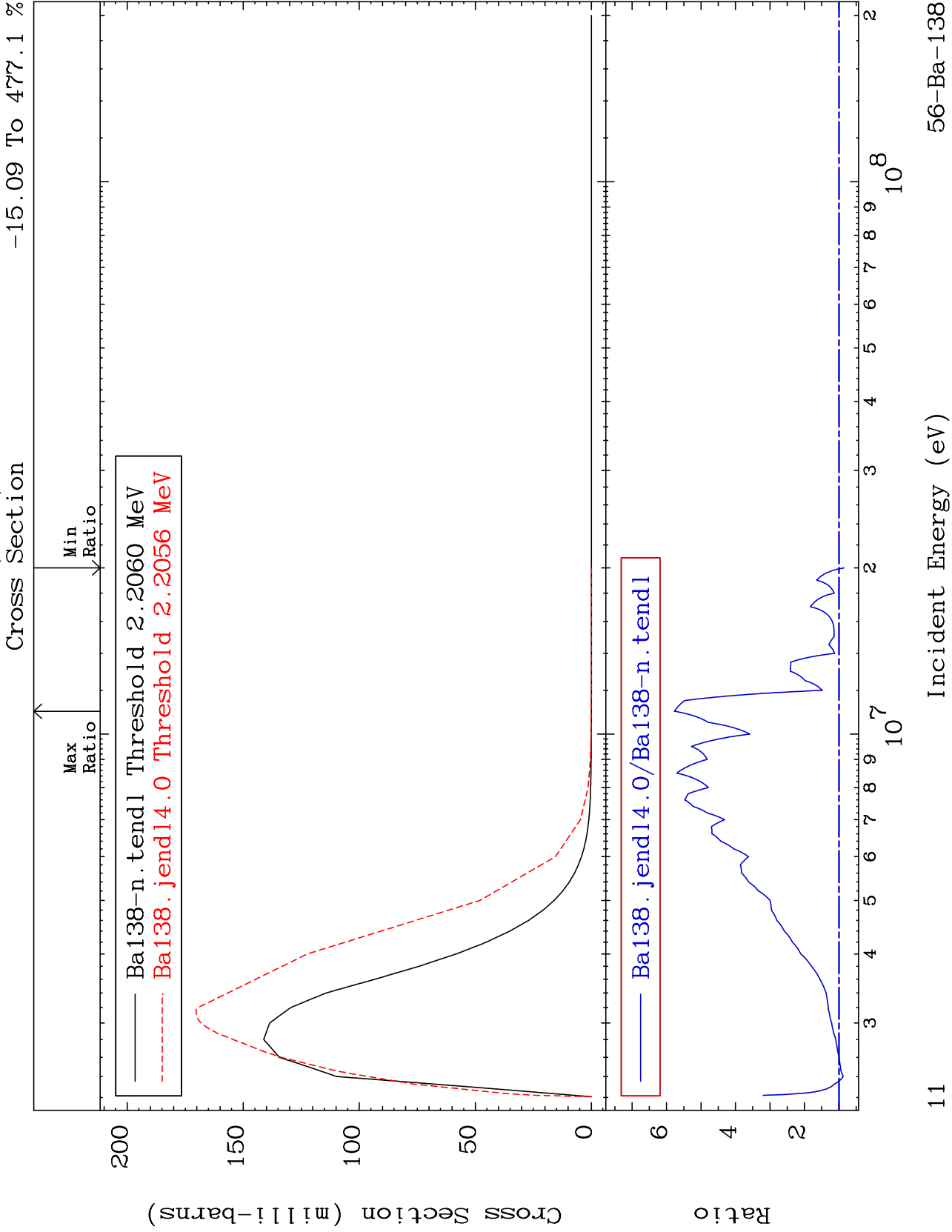
56-Ba-138

MAT 5649

2.190 MeV (n,n') Level

56-Ba-138

-15.09 To 477.1 %



11

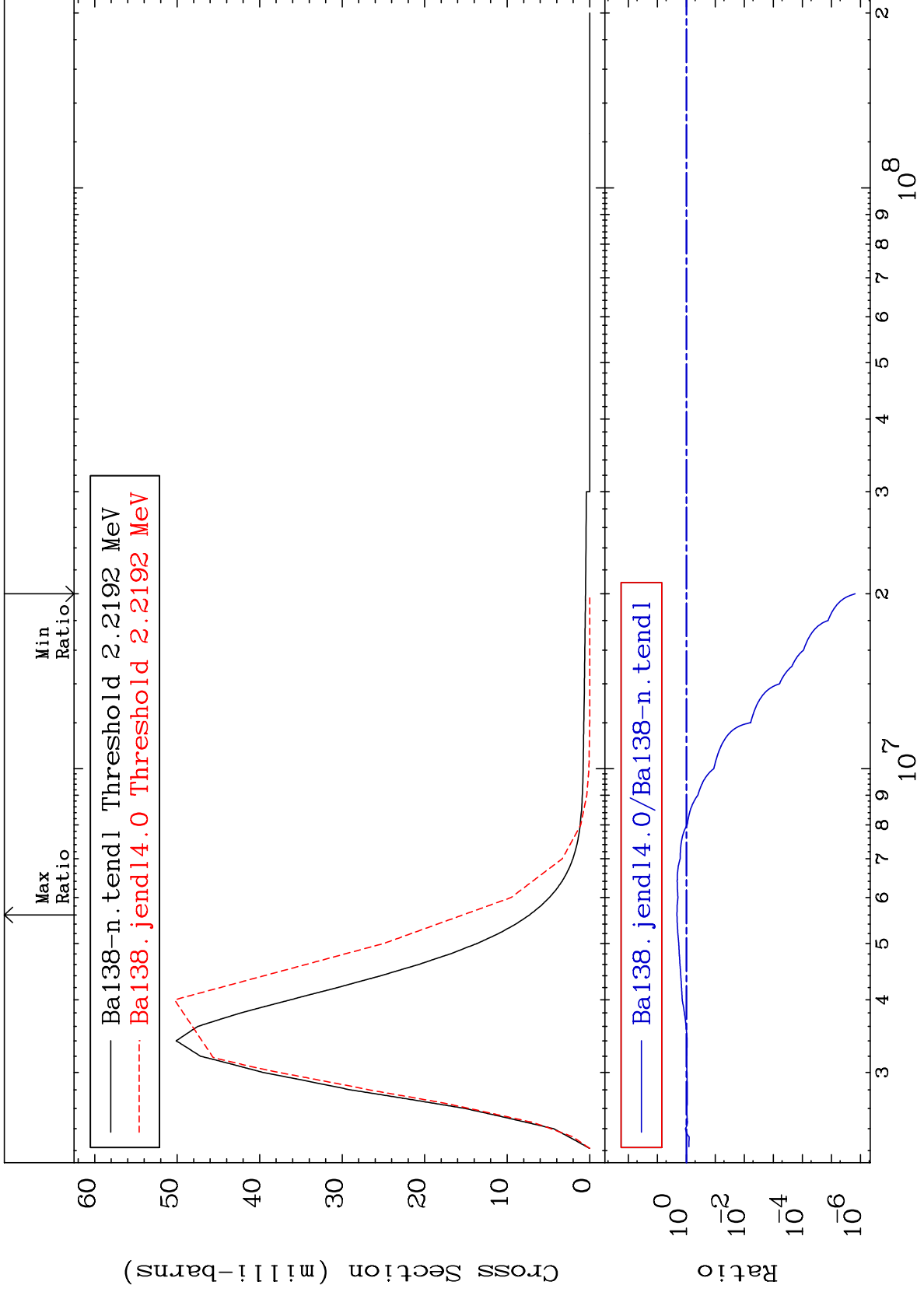
Incident Energy (eV)

56-Ba-138

MAT 5649

2.203 MeV (n,n') Level  
Cross Section

56-Ba-138  
-100.0 To 110.9 %



12

Incident Energy (eV)

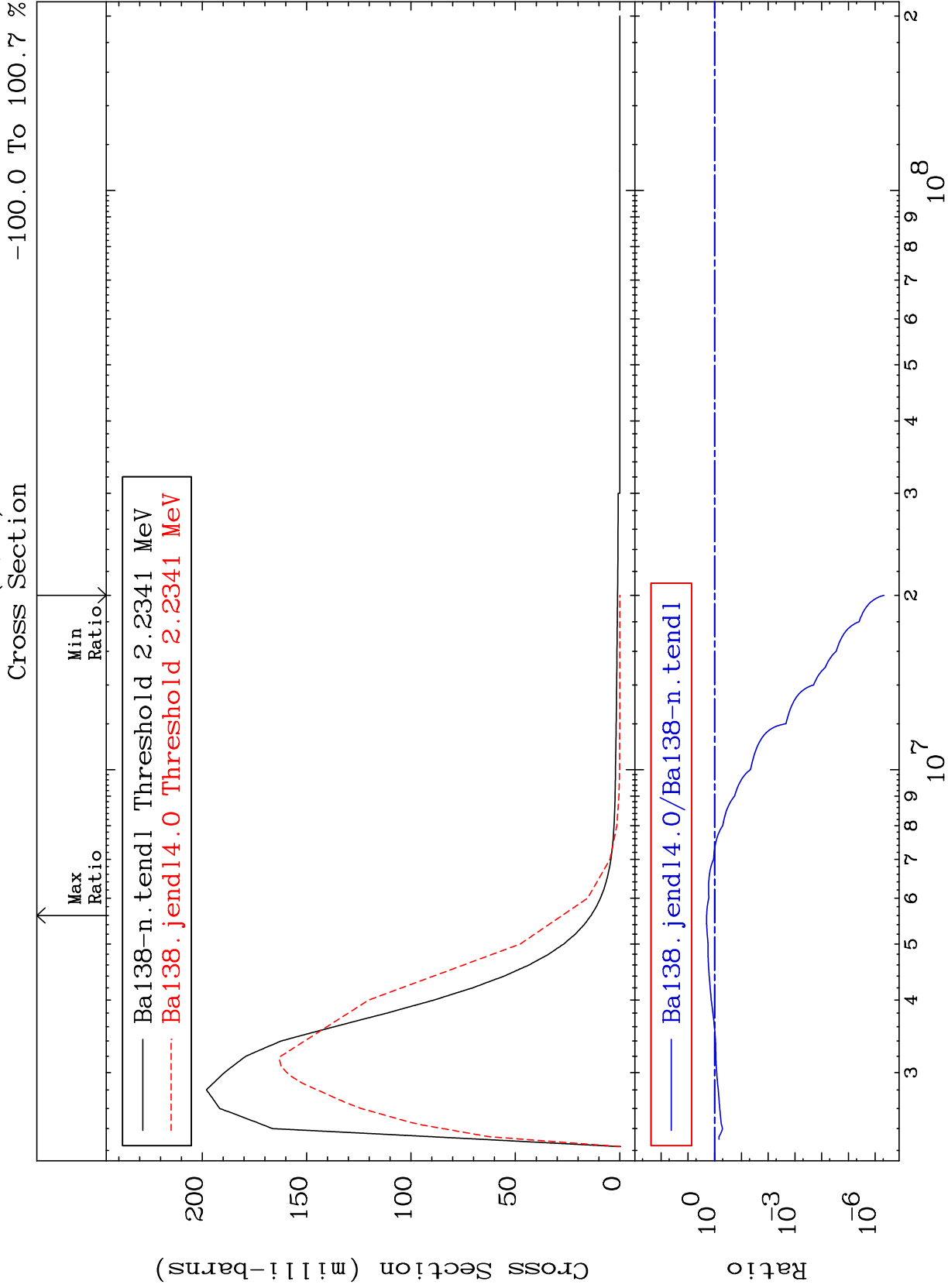
56-Ba-138

MAT 5649

2.218 MeV (n,n') Level

56-Ba-138

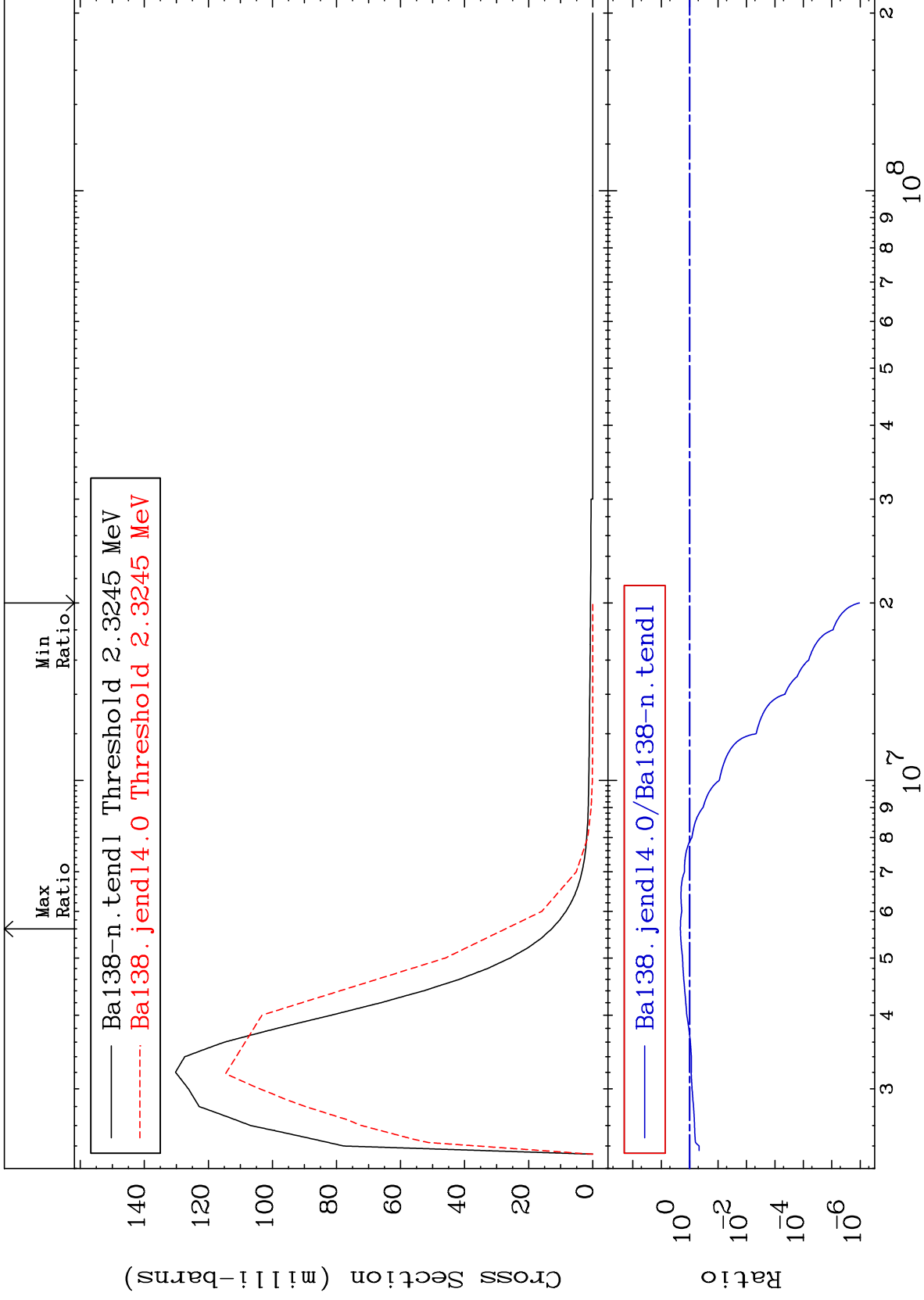
-100.0 To 100.7 %



MAT 5649

2.308 MeV (n,n') Level  
Cross Section

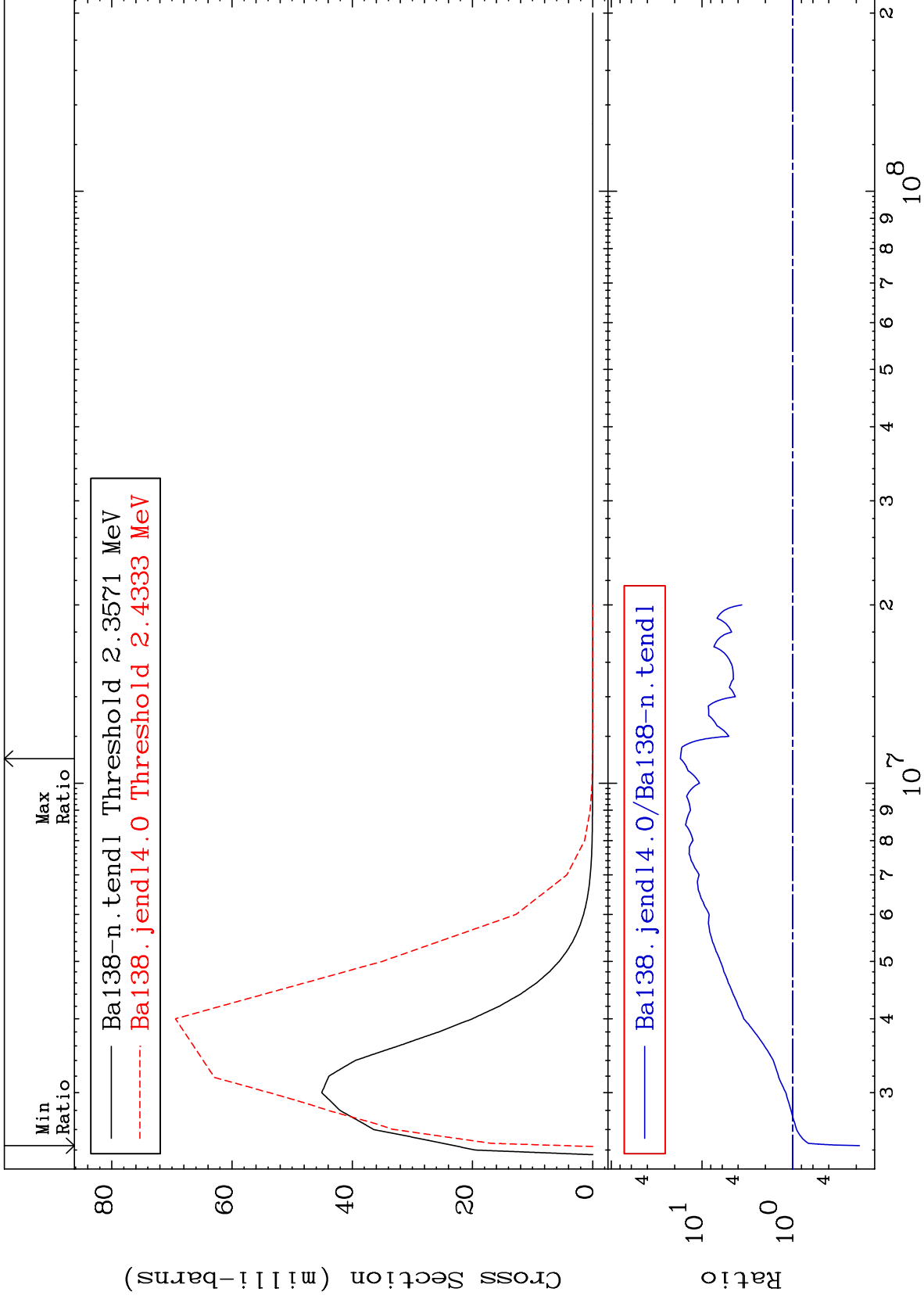
56-Ba-138  
-100.0 To 112.7 %



MAT 5649

2.340 MeV (n,n') Level  
Cross Section

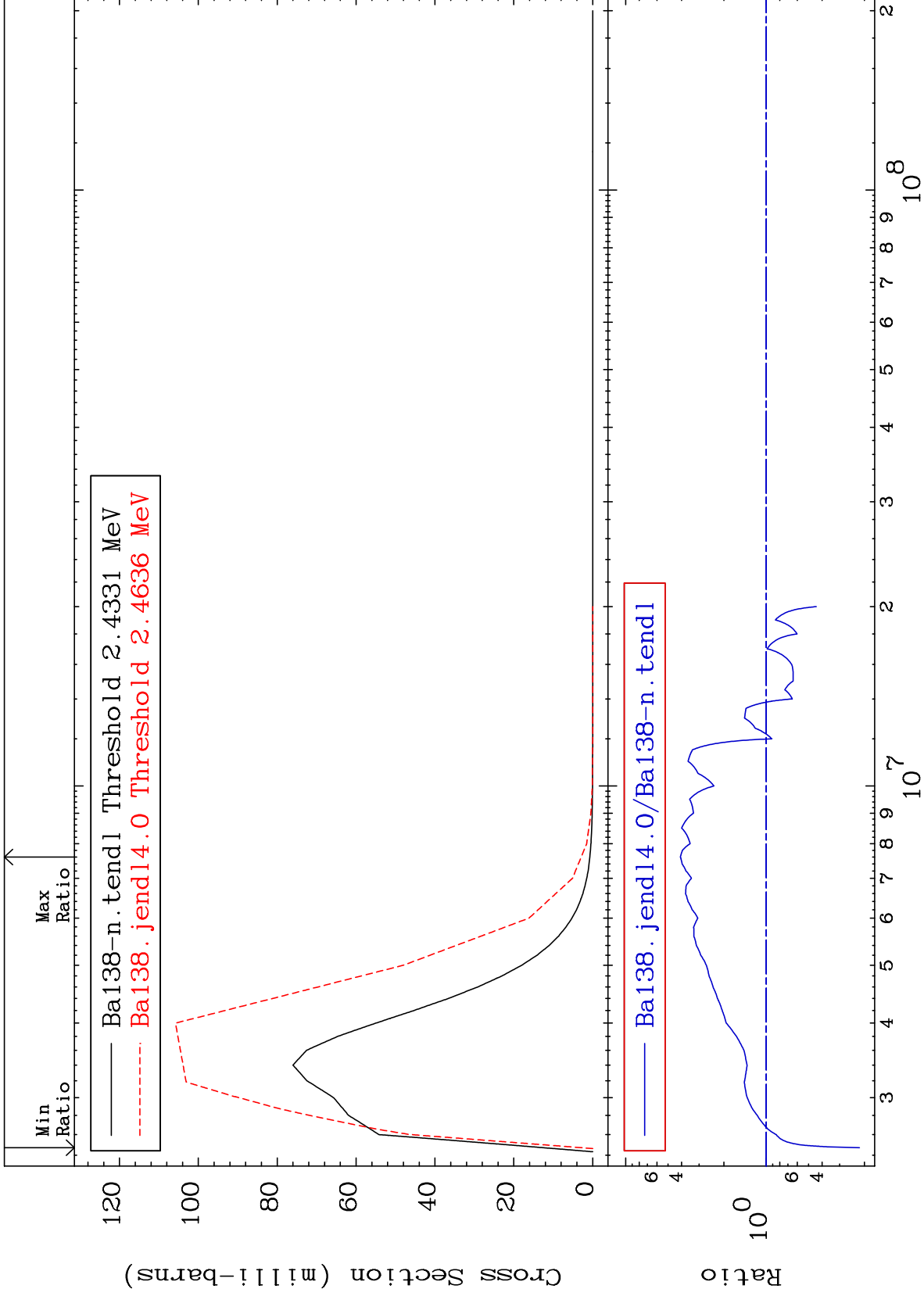
56-Ba-138  
-81.57 To 1632. %



MAT 5649

2.415 MeV (n,n') Level  
Cross Section

56-Ba-138  
-78.30 To 308.3 %



16

Incident Energy (eV)

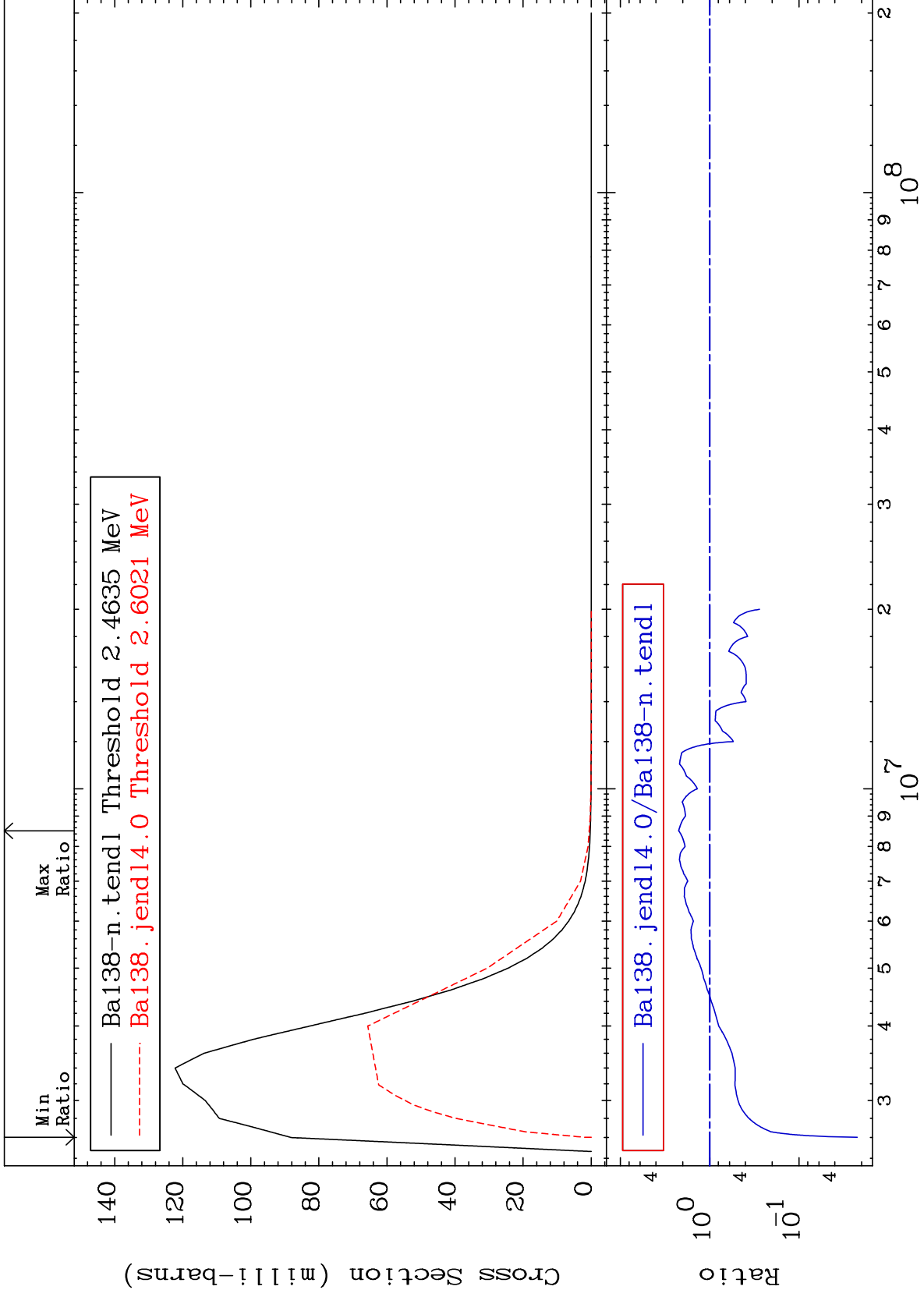
56-Ba-138



MAT 5649

2.446 MeV (n,n') Level  
Cross Section

56-Ba-138  
-97.76 To 122.7 %



17

Incident Energy (eV)

56-Ba-138

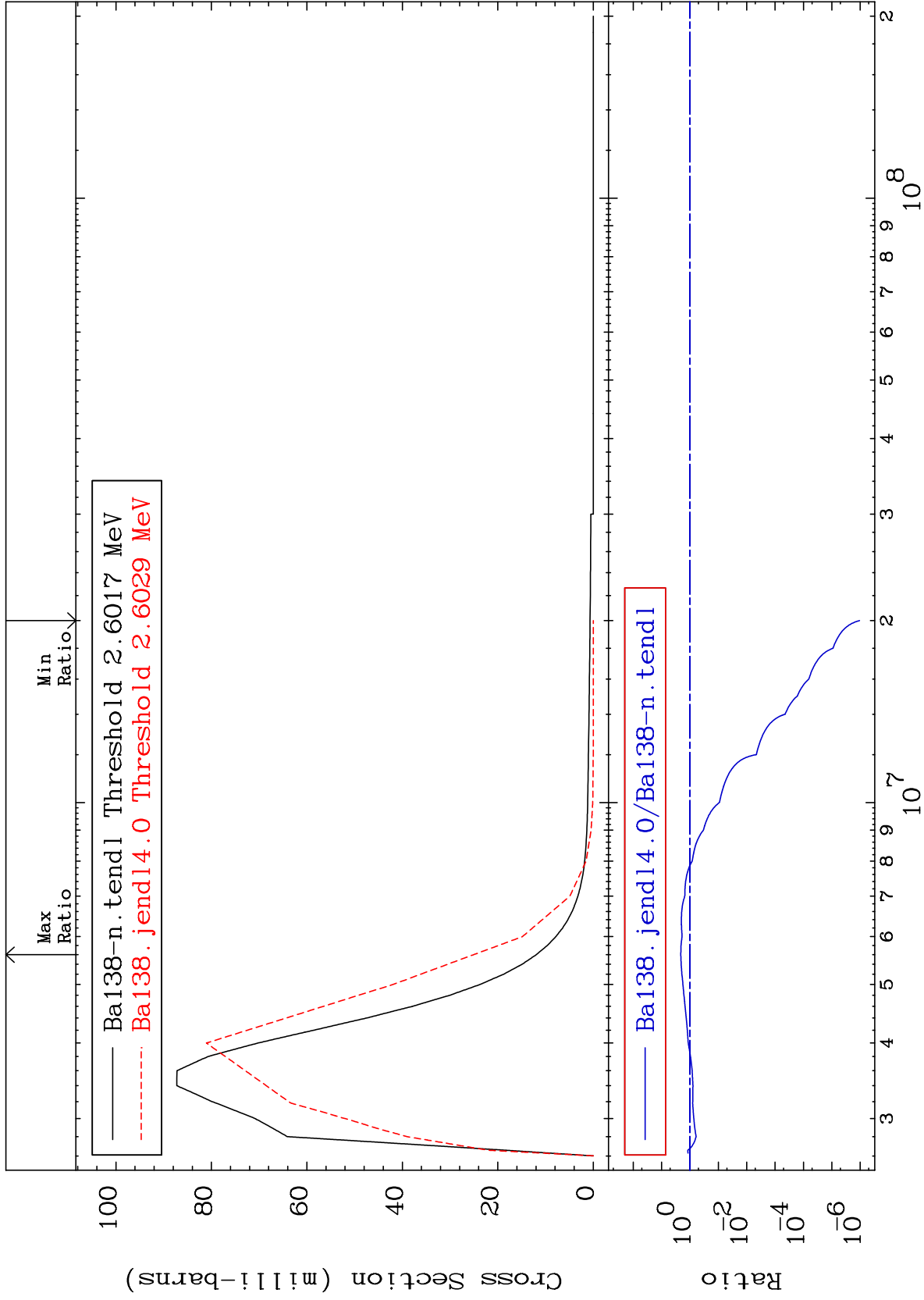
MAT 5649

2.583 MeV (n,n') Level

56-Ba-138

-100.0 To 110.3 %

Cross Section



18

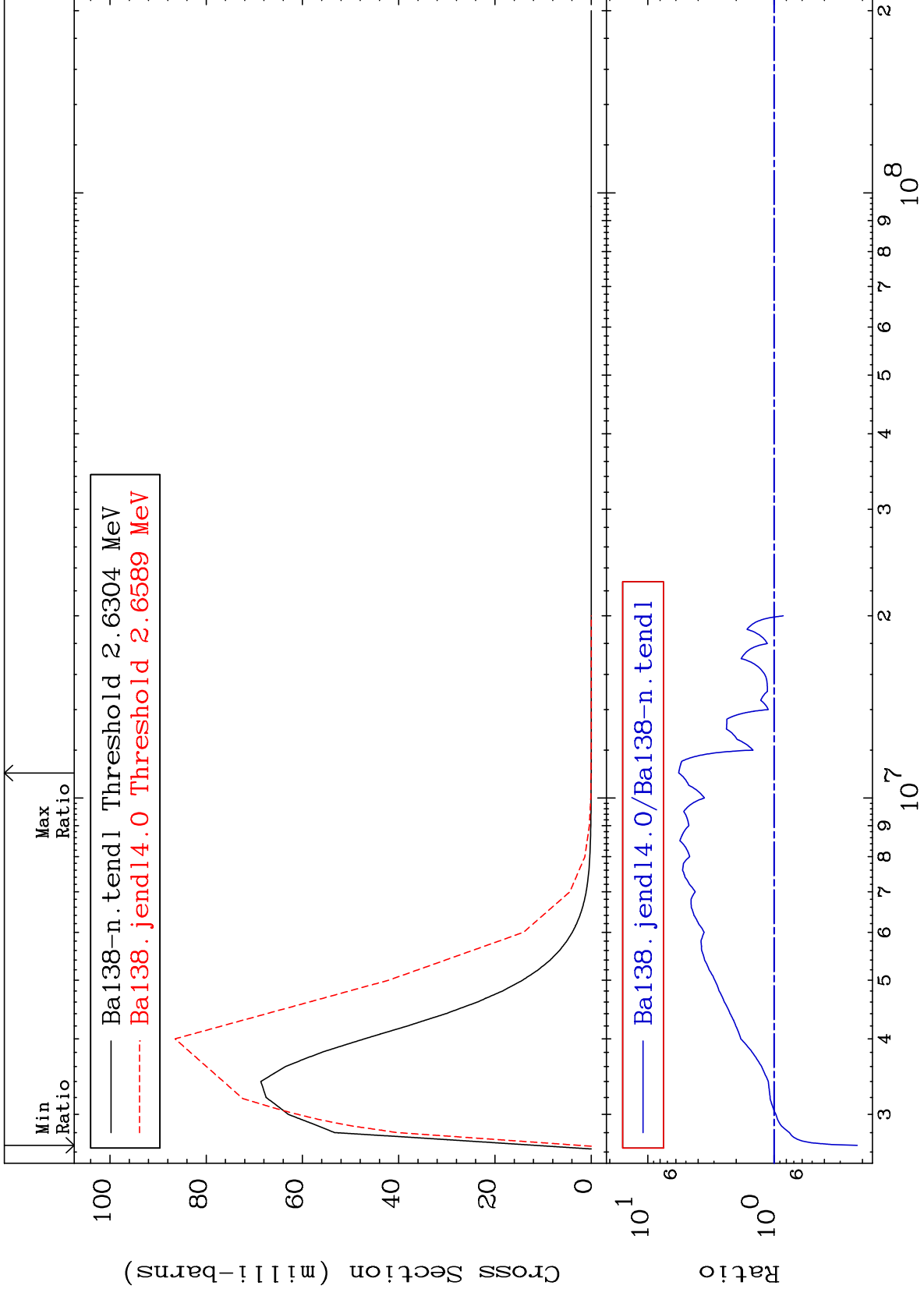
Incident Energy (eV)

56-Ba-138

MAT 5649

2.611 MeV (n,n') Level  
Cross Section

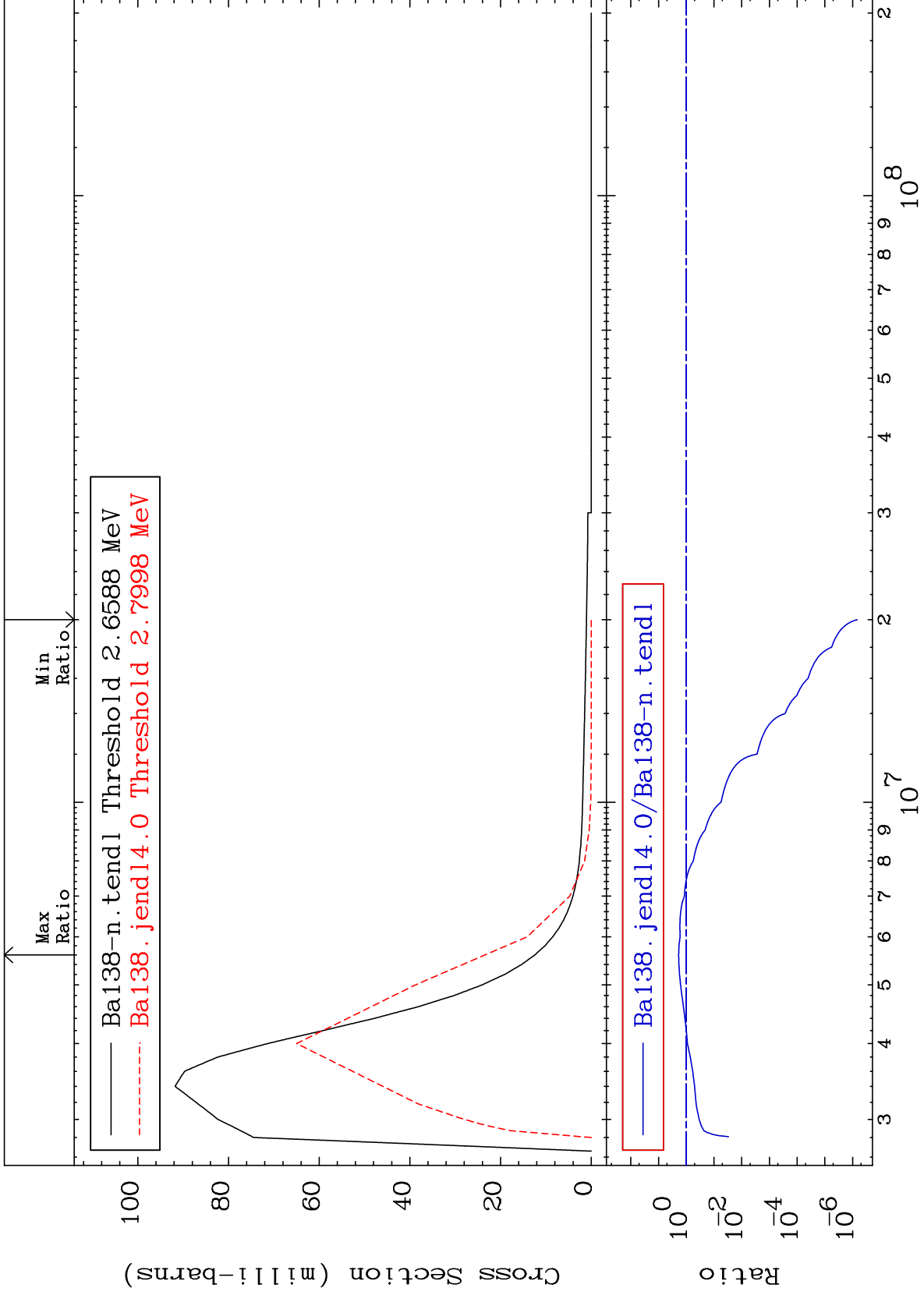
56-Ba-138  
-78.02 To 470.5 %



MAT 5649

2.639 MeV (n,n') Level  
Cross Section

56-Ba-138  
-100.0 To 88.39 %



20

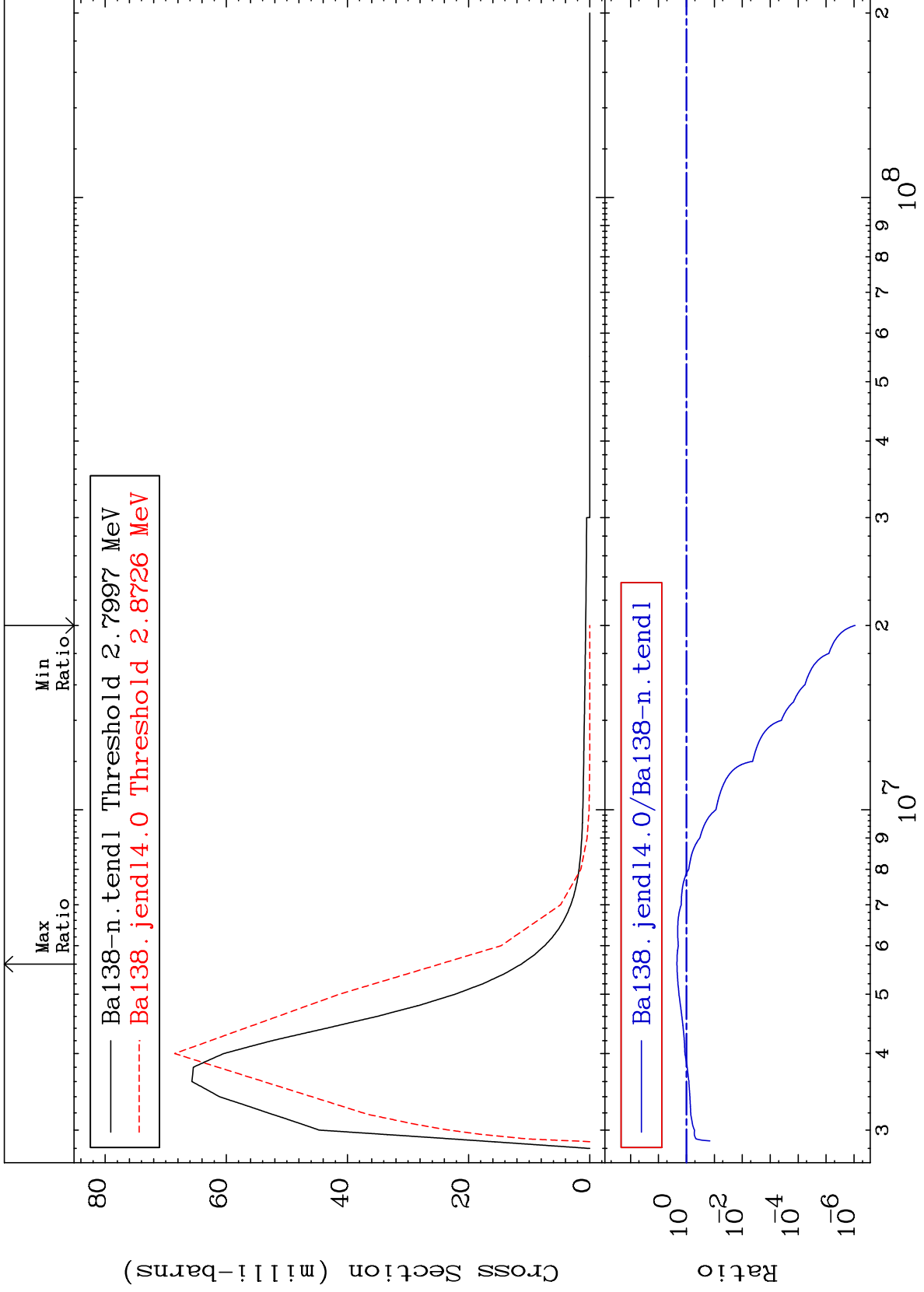
Incident Energy (eV)

56-Ba-138

MAT 5649

2.779 MeV (n,n') Level  
Cross Section

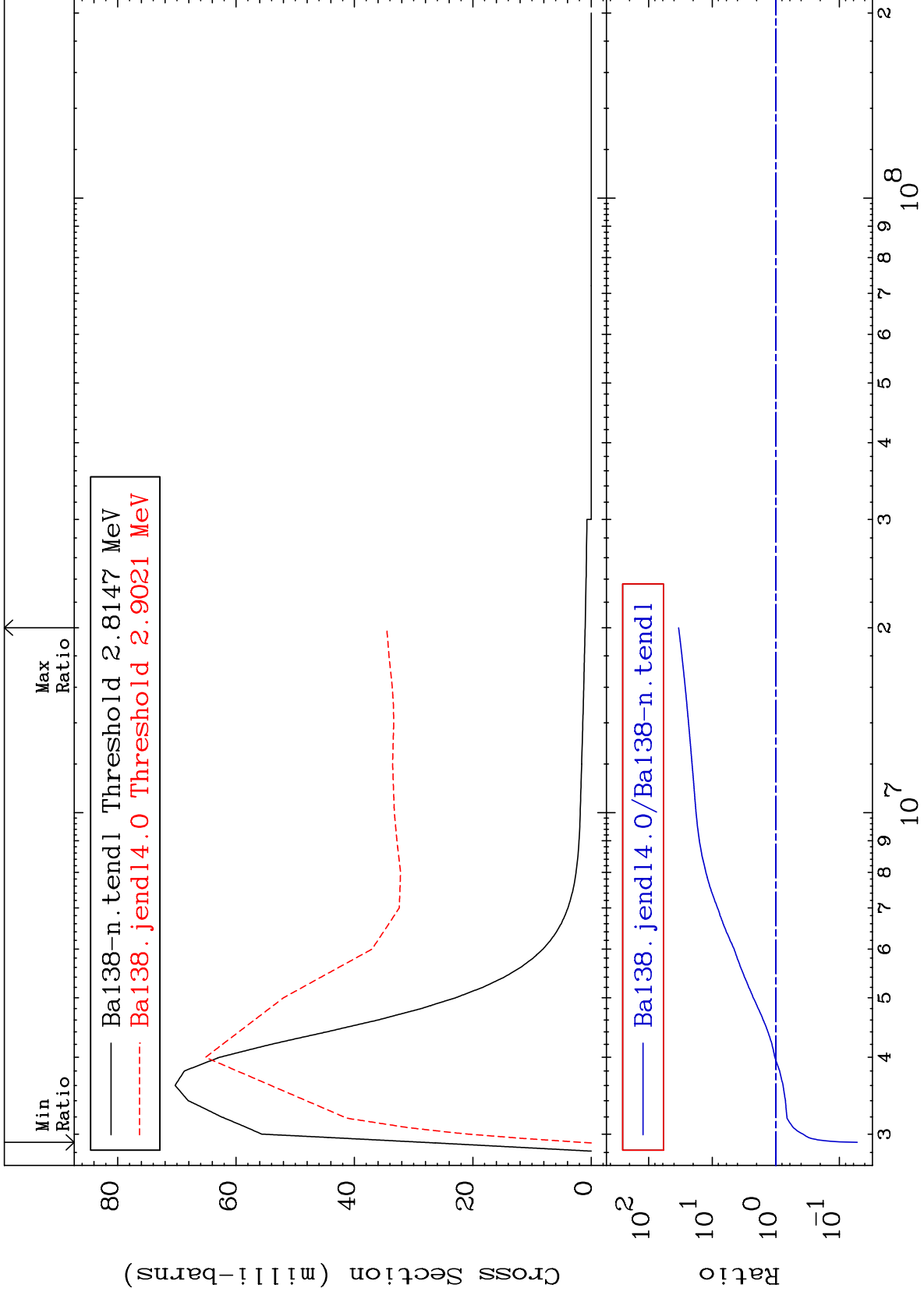
56-Ba-138  
-100.0 To 119.4 %



MAT 5649

2.794 MeV (n,n') Level  
Cross Section

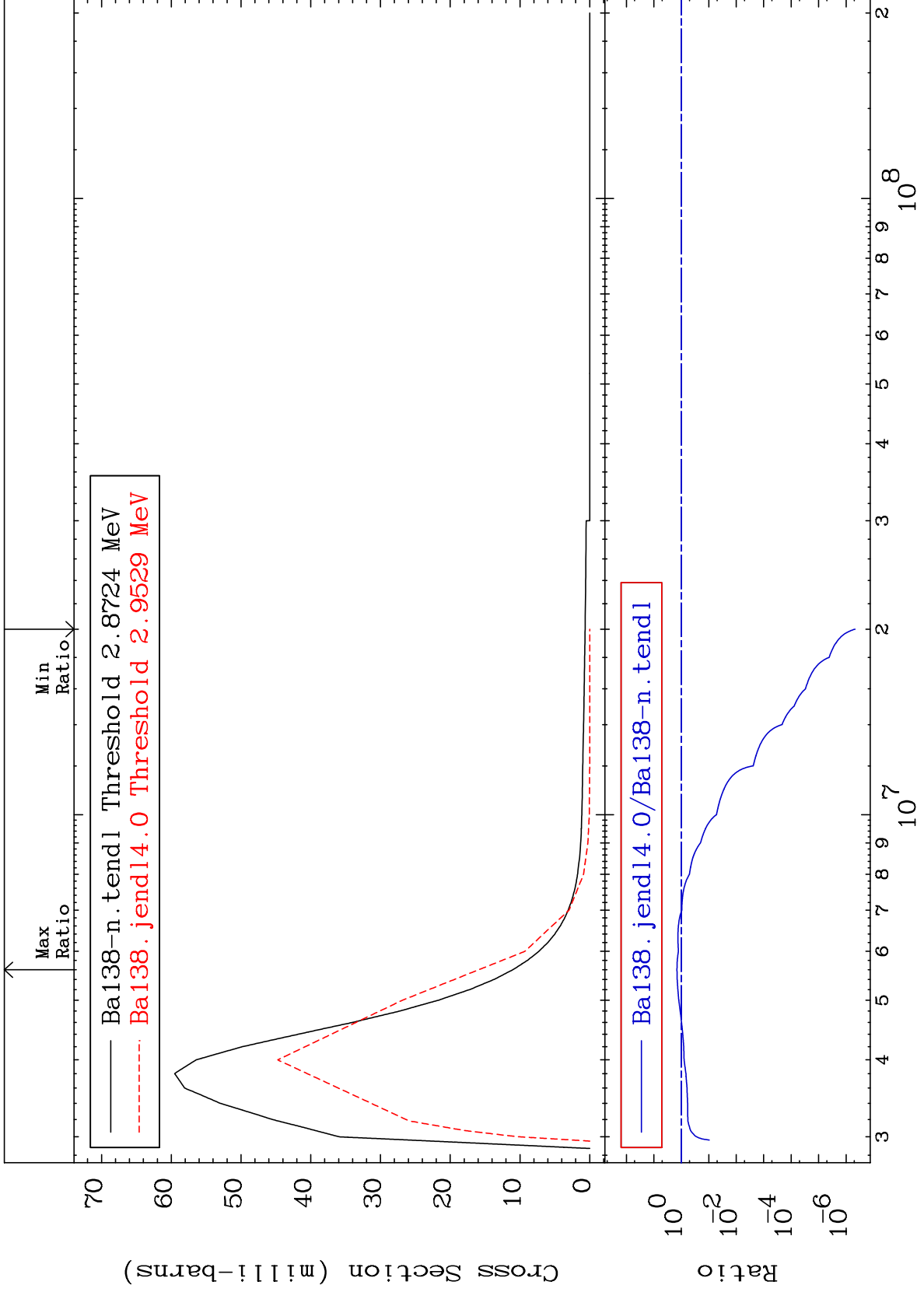
56-Ba-138  
-94.75 To 3275. %



MAT 5649

2.852 MeV (n,n') Level  
Cross Section

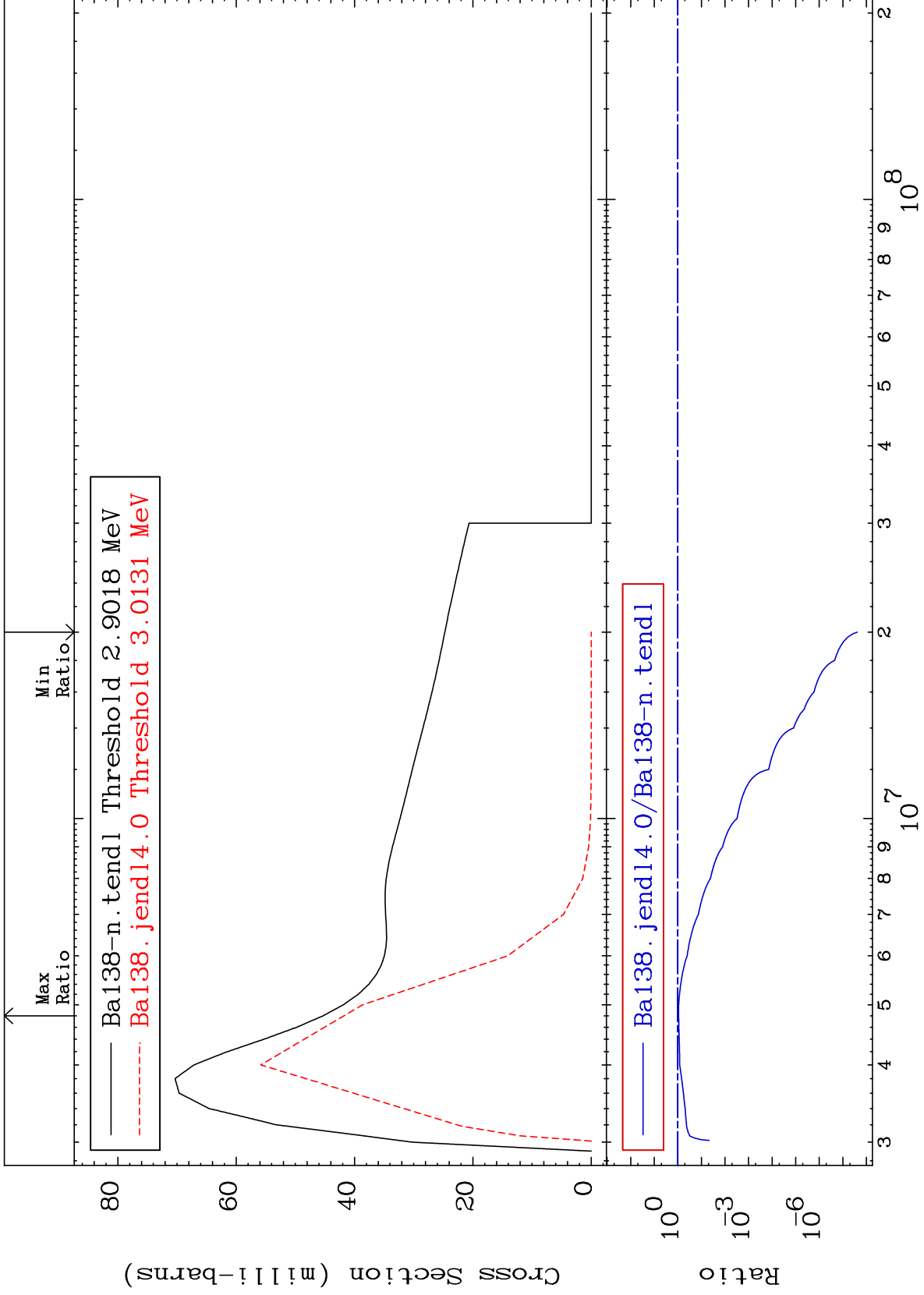
56-Ba-138  
-100.0 To 44.41 %



MAT 5649

2.881 MeV (n,n') Level  
Cross Section

56-Ba-138  
-100.0 To -7.757%



24

Incident Energy (eV)

56-Ba-138



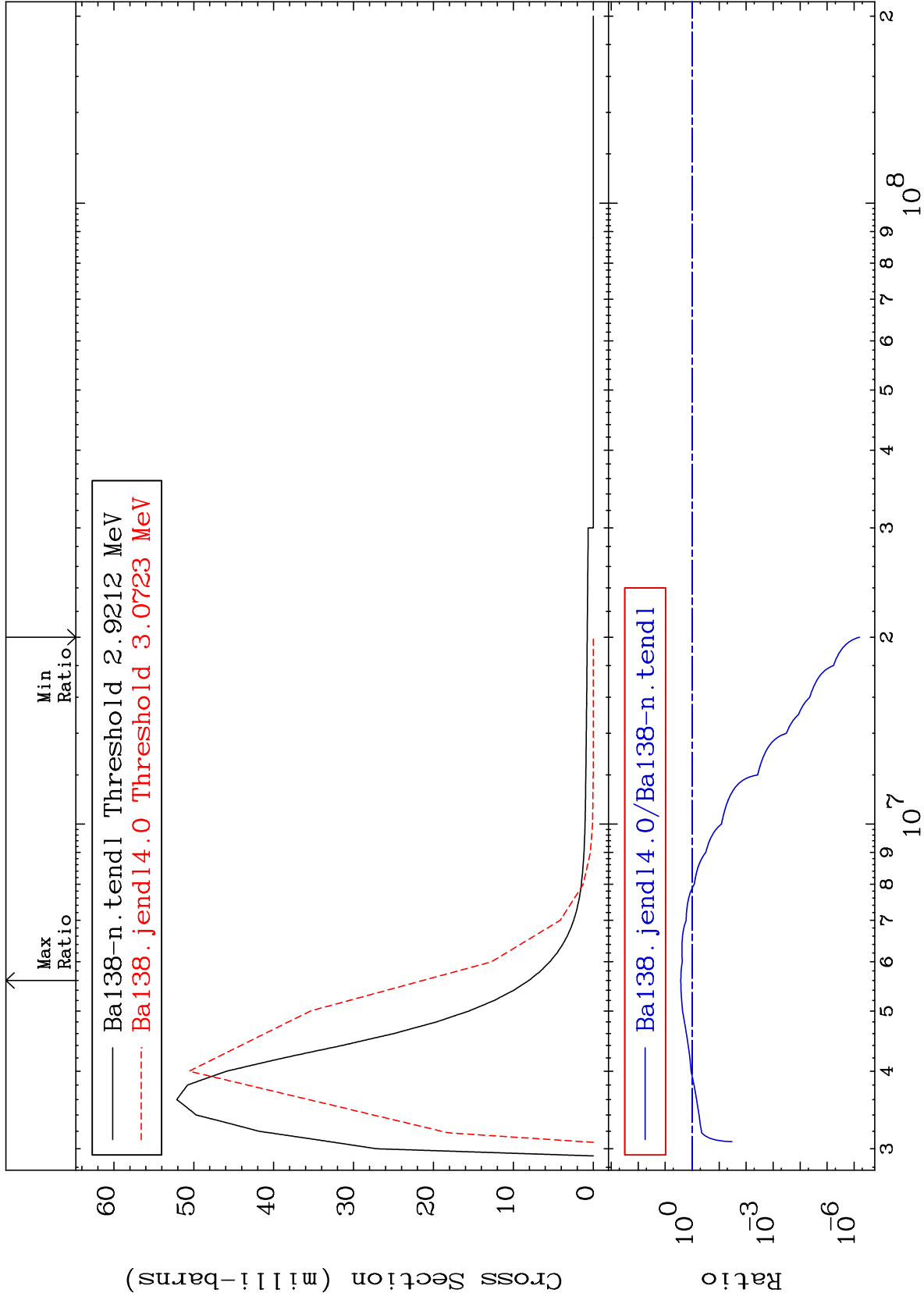
MAT 5649

2.900 MeV (n,n') Level

56-Ba-138

-100.0 To 164.6 %

Cross Section



25

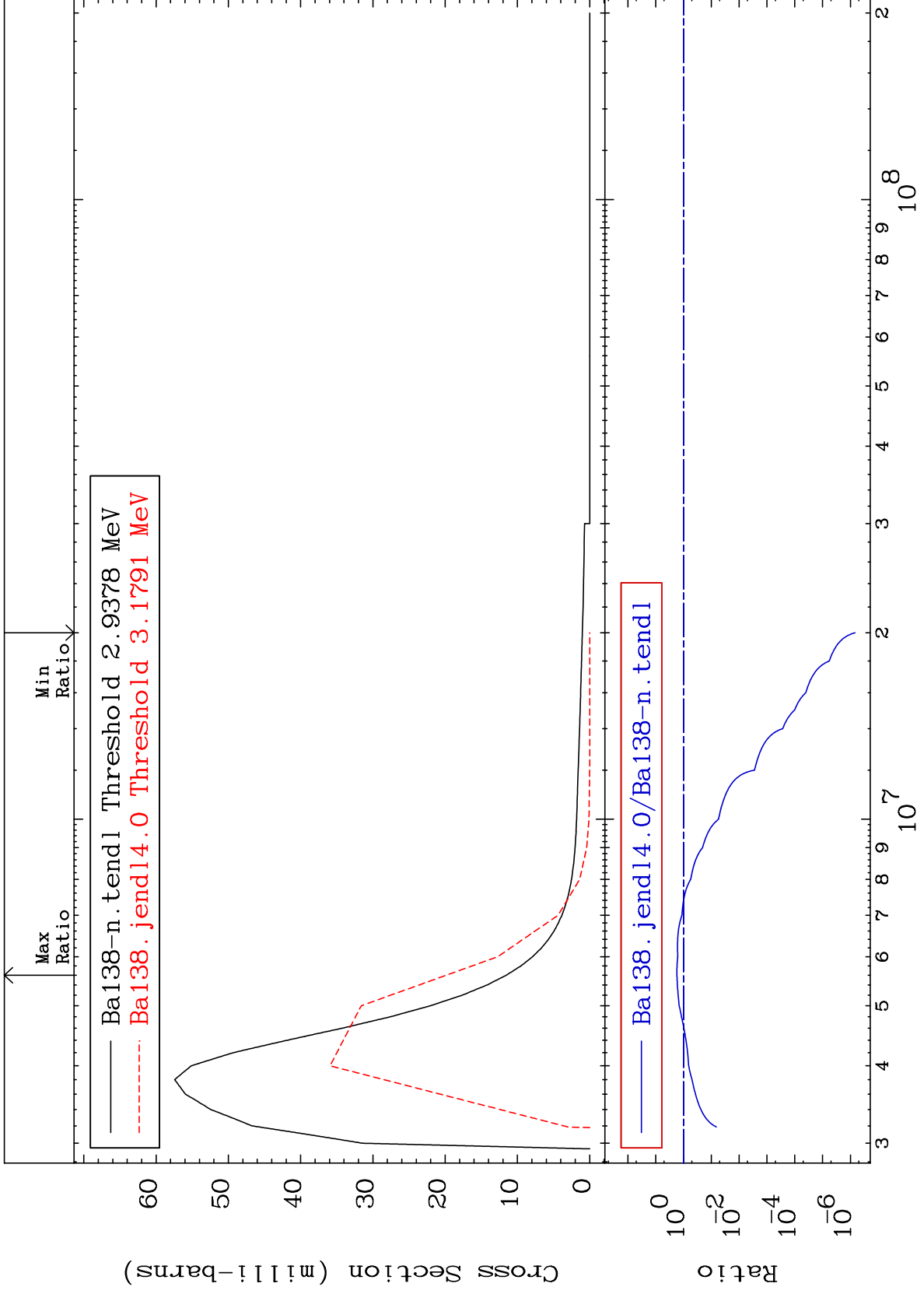
56-Ba-138

56-Ba-138

MAT 5649

2.916 MeV (n,n') Level  
Cross Section

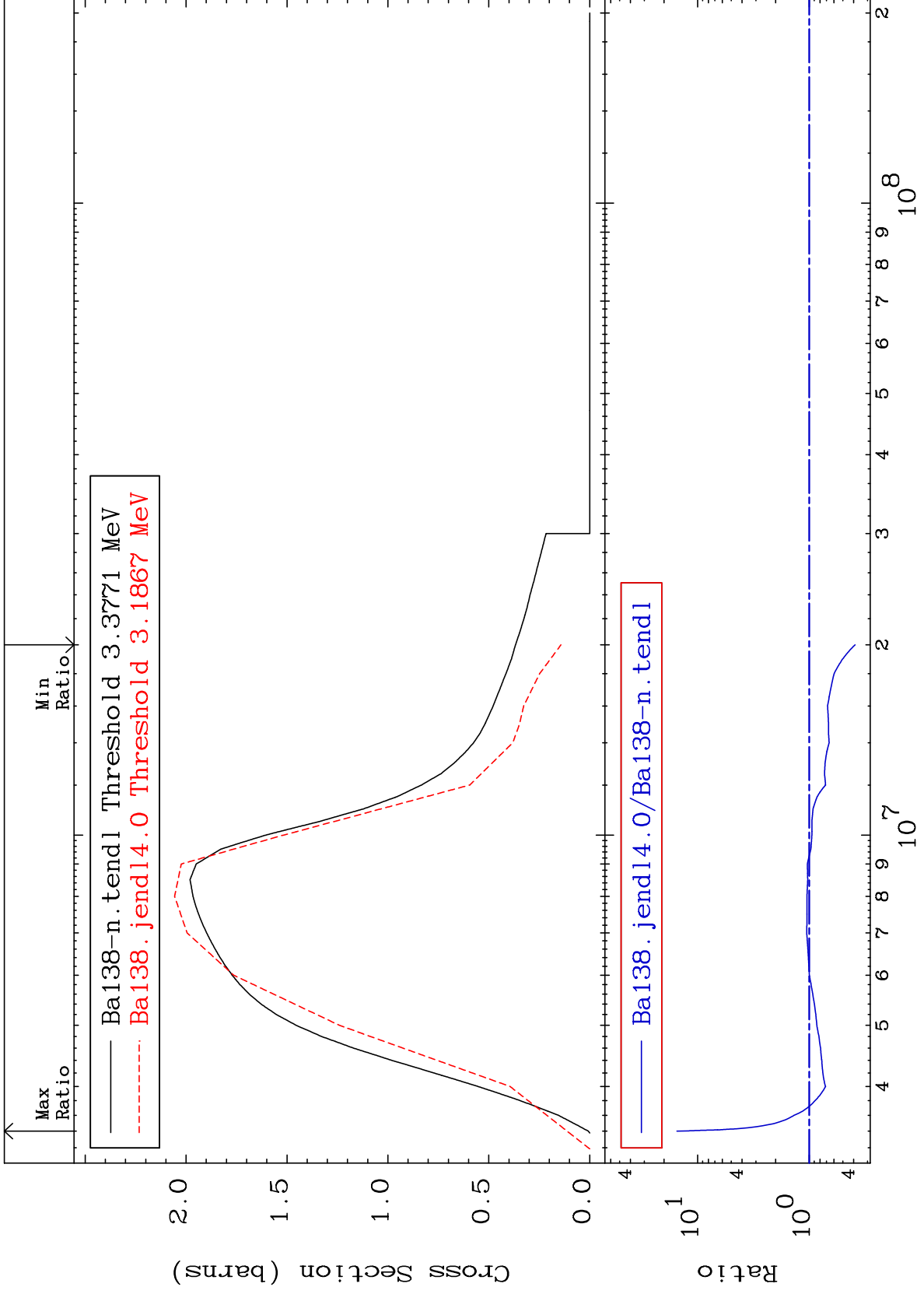
56-Ba-138  
-100.0 To 71.97 %



MAT 5649

(n, n') Continuum  
Cross Section

56-Ba-138  
-61.24 To 1430. %



27

Incident Energy (eV)

56-Ba-138

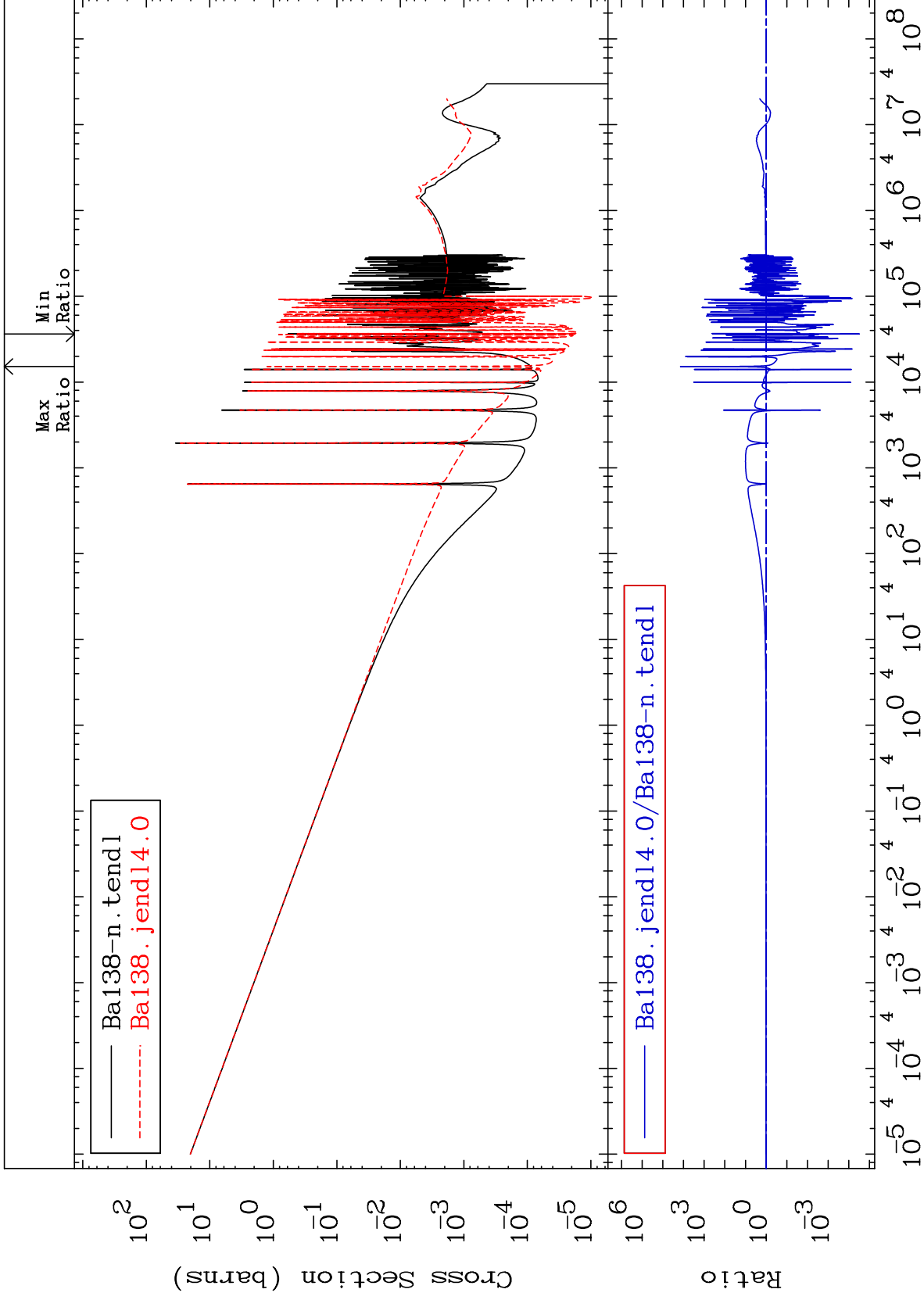
MAT 5649

(n,  $\gamma$ )

56-Ba-138

Cross Section

-100.0 To 9999. %



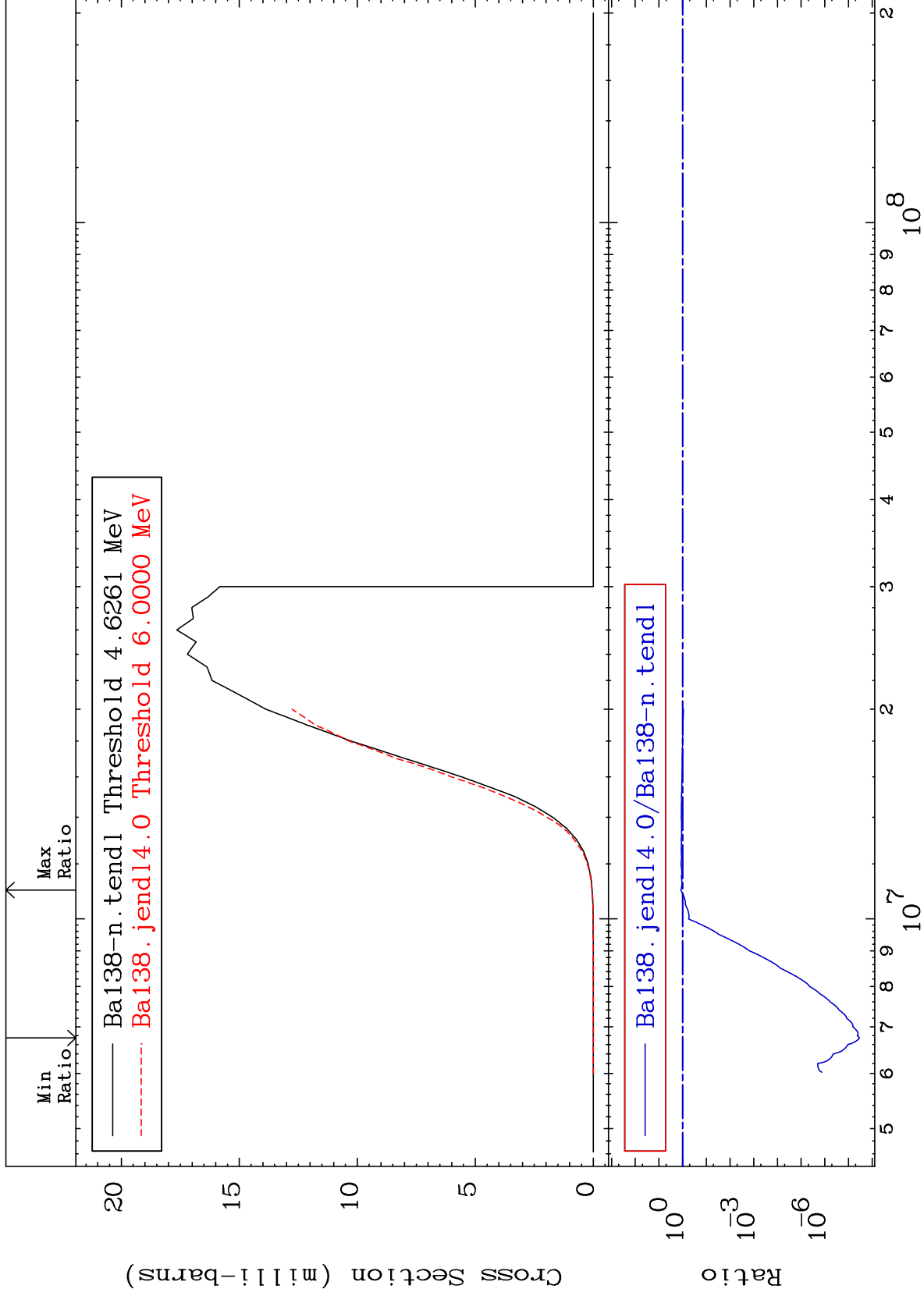
MAT 5649

(n, p)

56-Ba-138

Cross Section

-100.0 To 19.81 %



29

Incident Energy (eV)

56-Ba-138

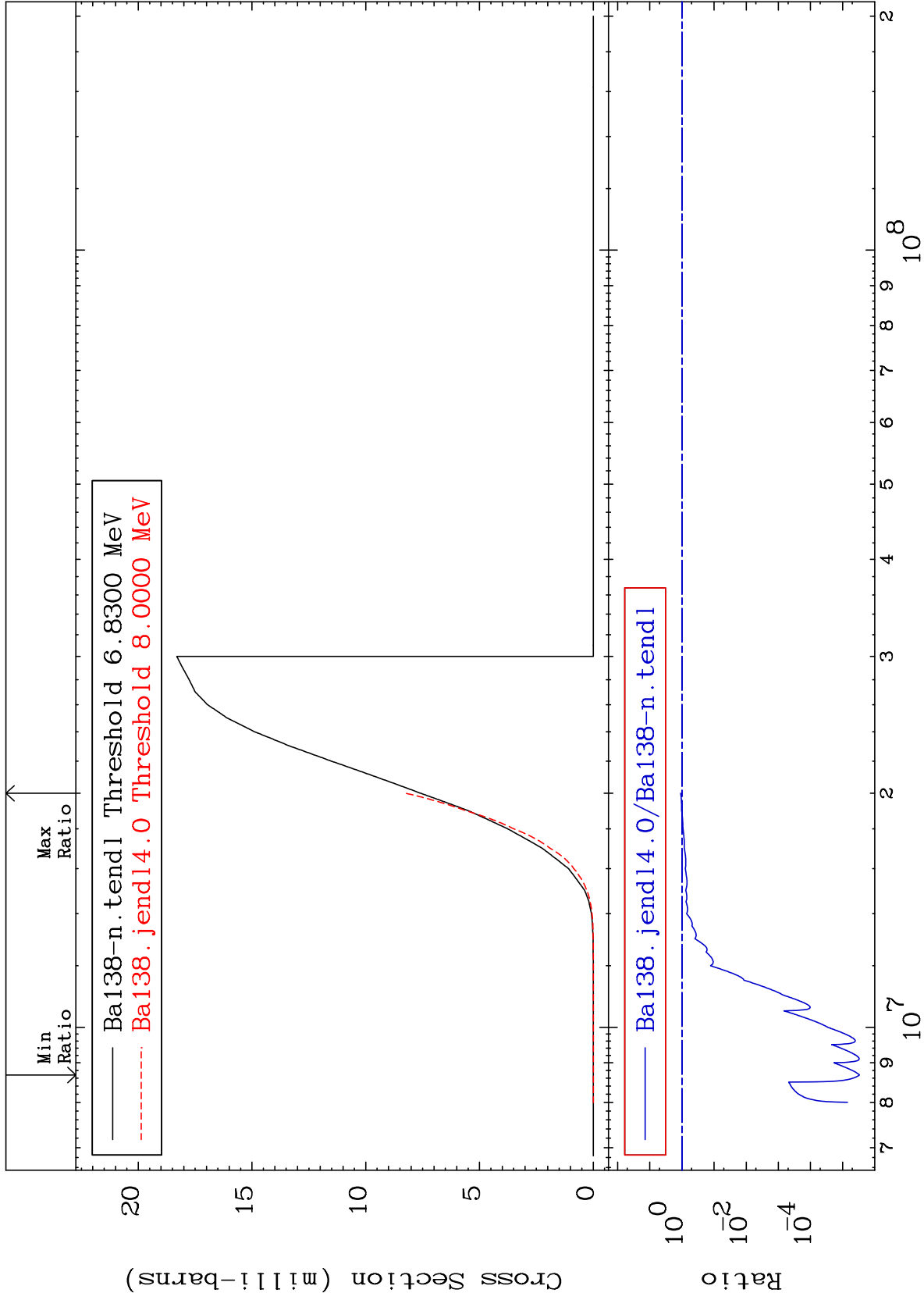
MAT 5649

(n, d)

56-Ba-138

Cross Section

-100.0 To 8.462 %



30

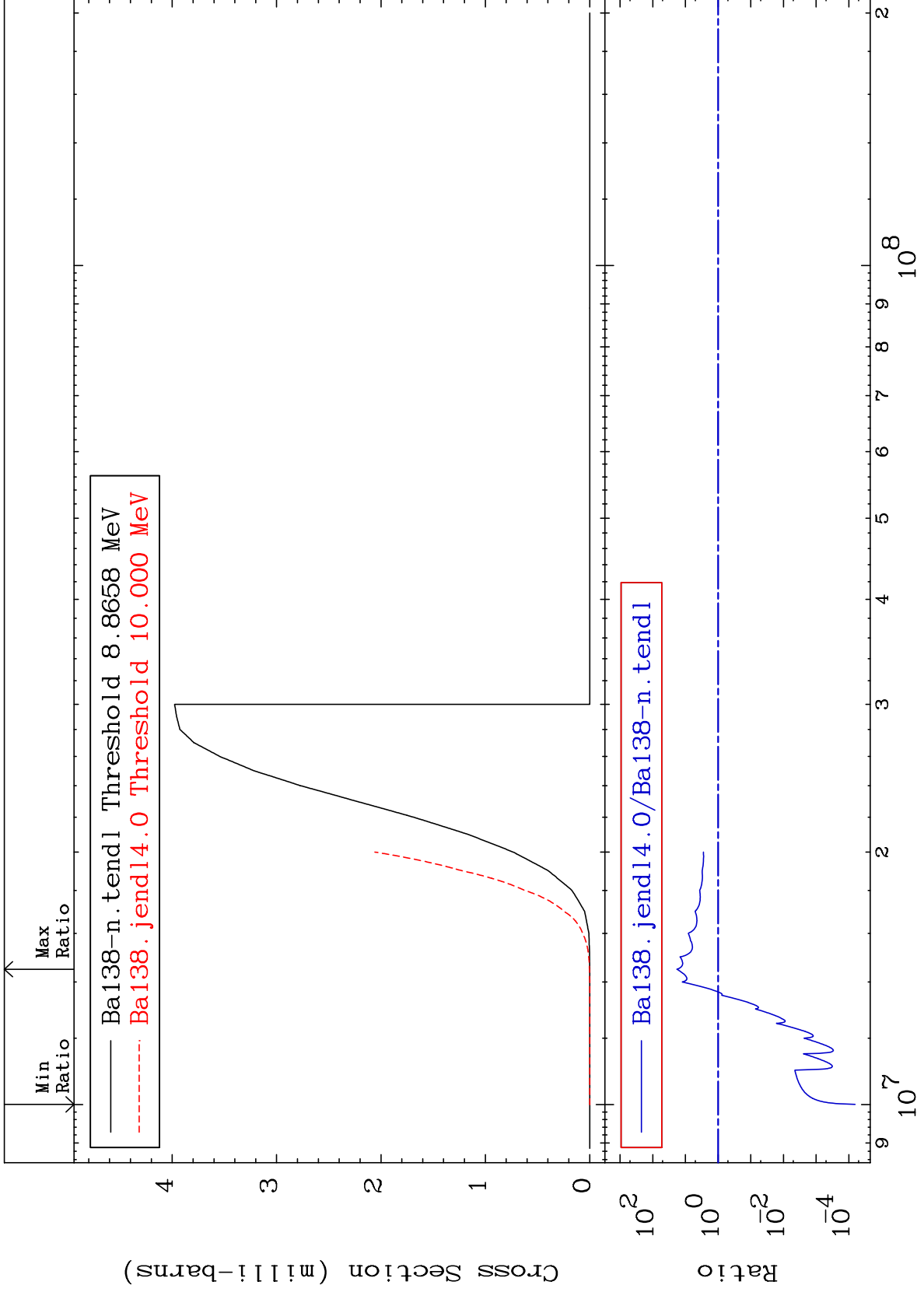
Incident Energy (eV)

56-Ba-138

MAT 5649

(n, t)  
Cross Section

56-Ba-138  
-99.99 To 1719. %



31

Incident Energy (eV)

56-Ba-138

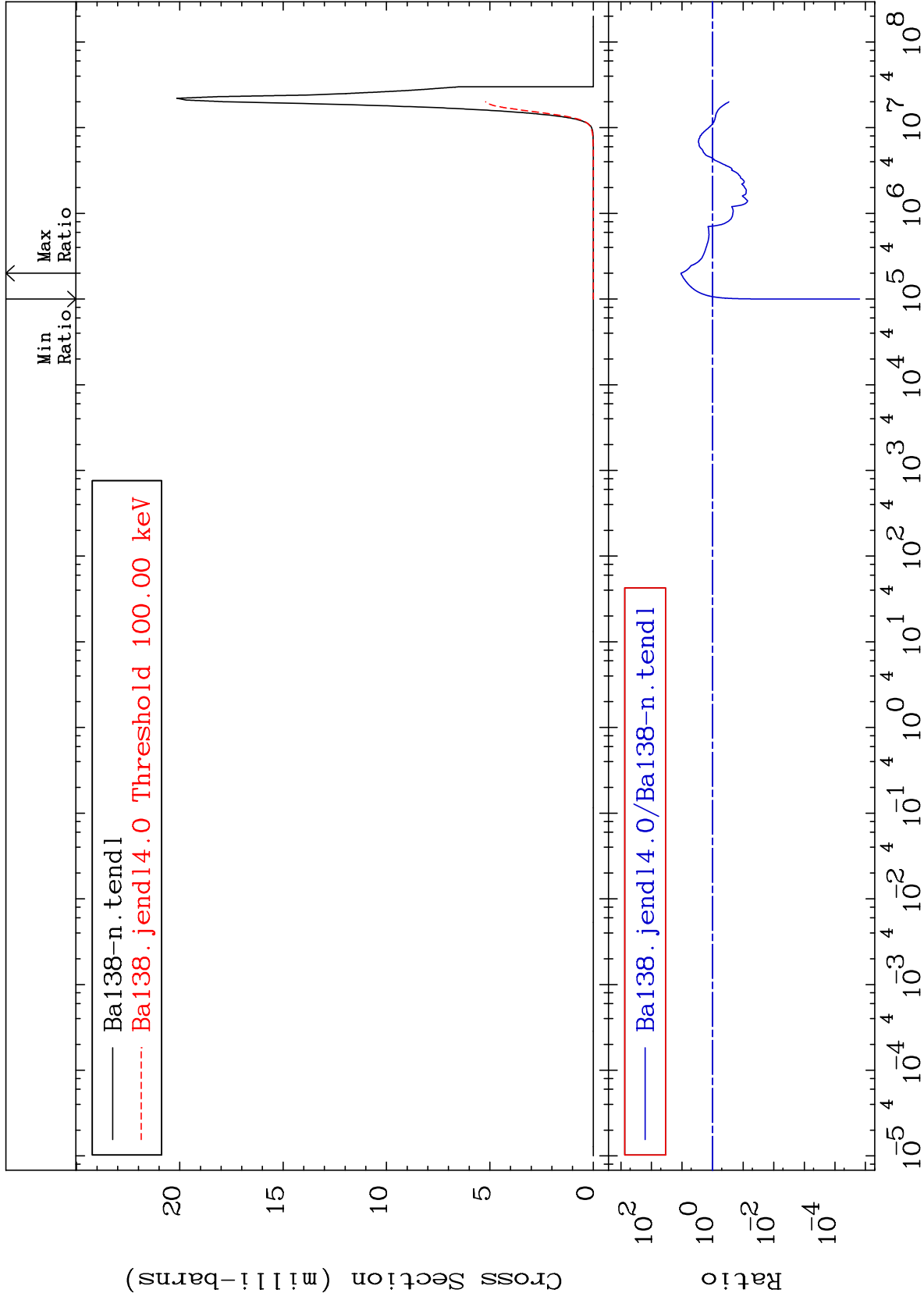
MAT 5649

(n,  $\alpha$ )

56-Ba-138

Cross Section

-100.0 To 999.8 %

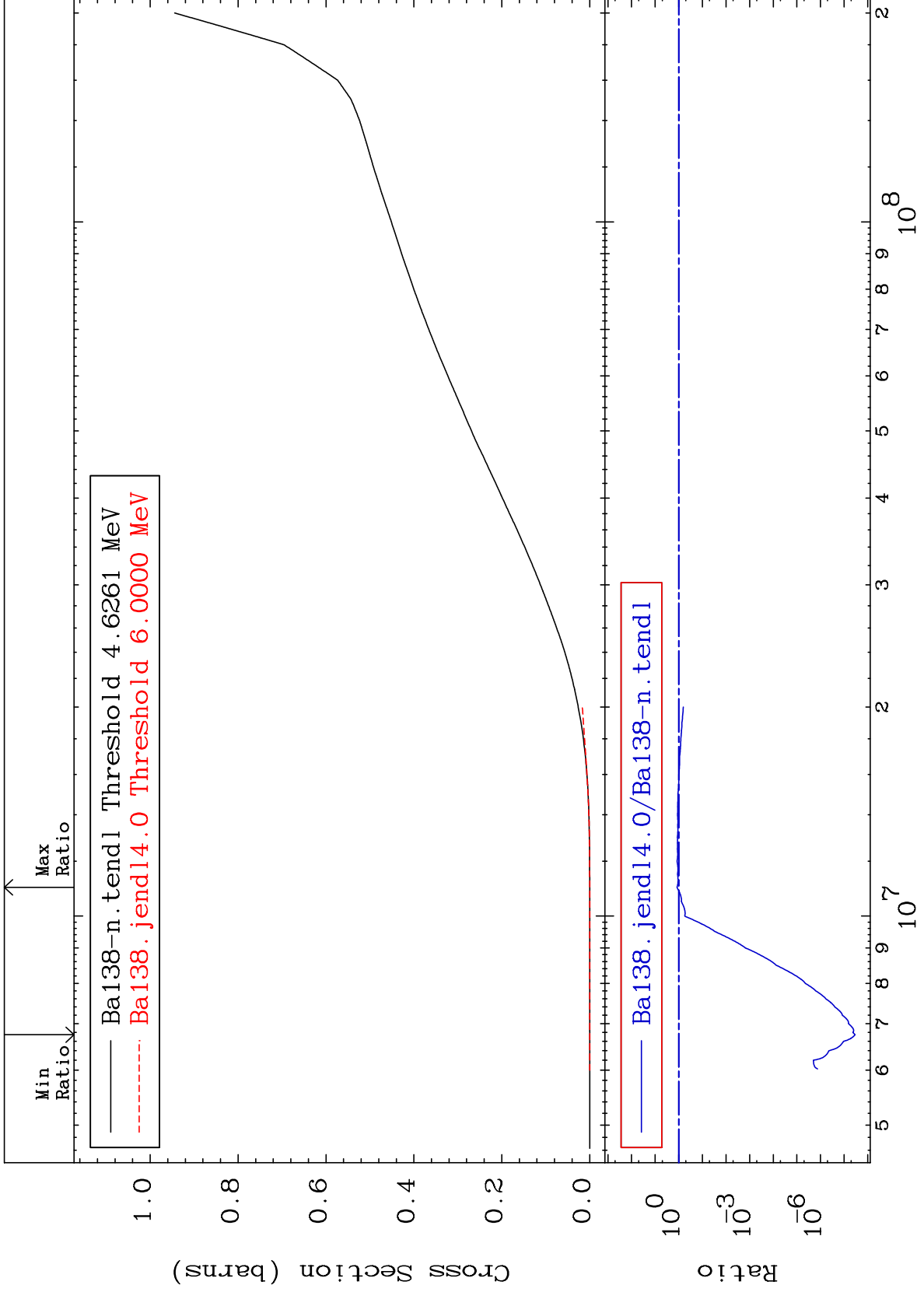




MAT 5649

Hydrogen Production  
Cross Section

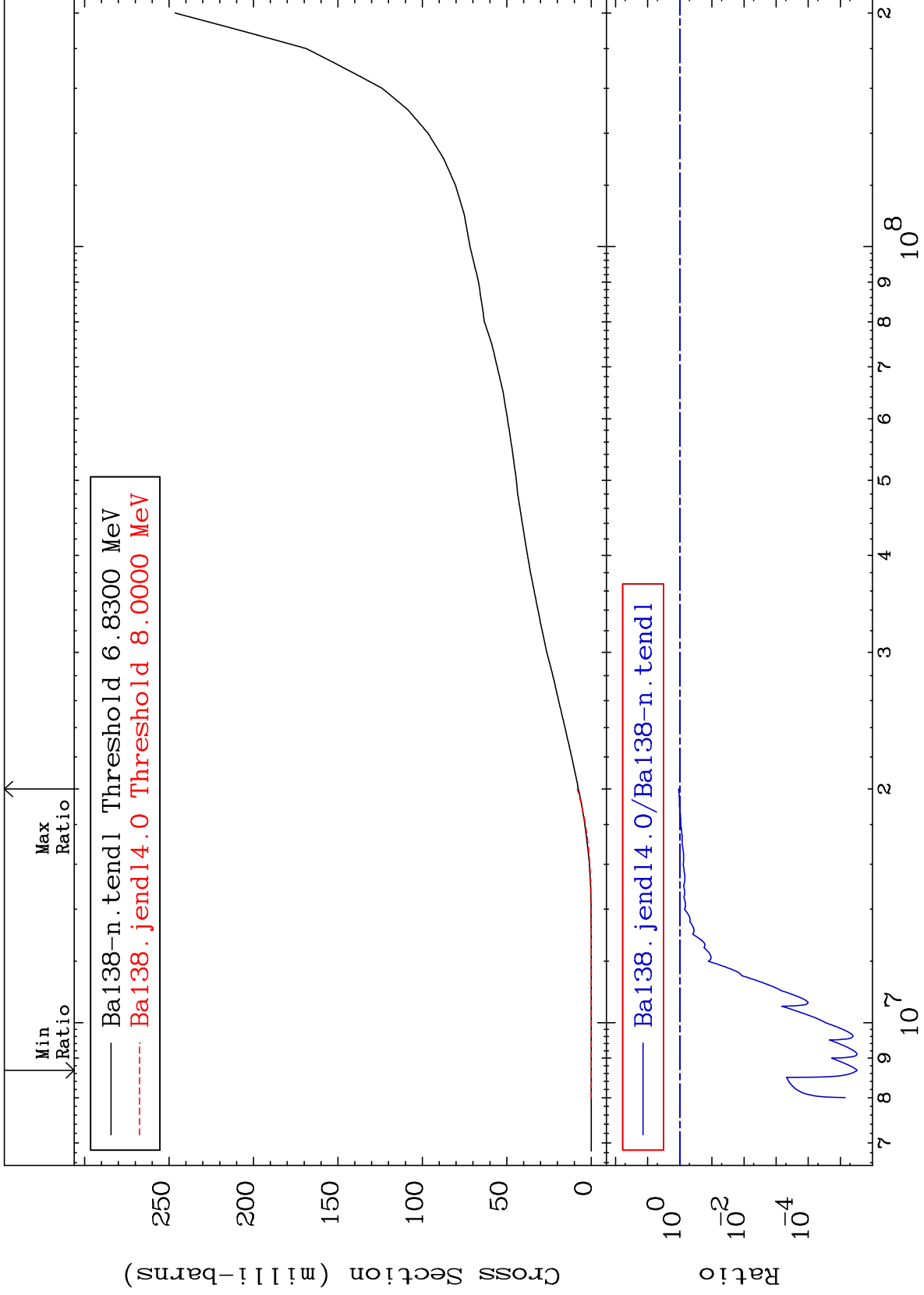
56-Ba-138  
-100.0 To 19.81 %



MAT 5649

Deuterium Production  
Cross Section

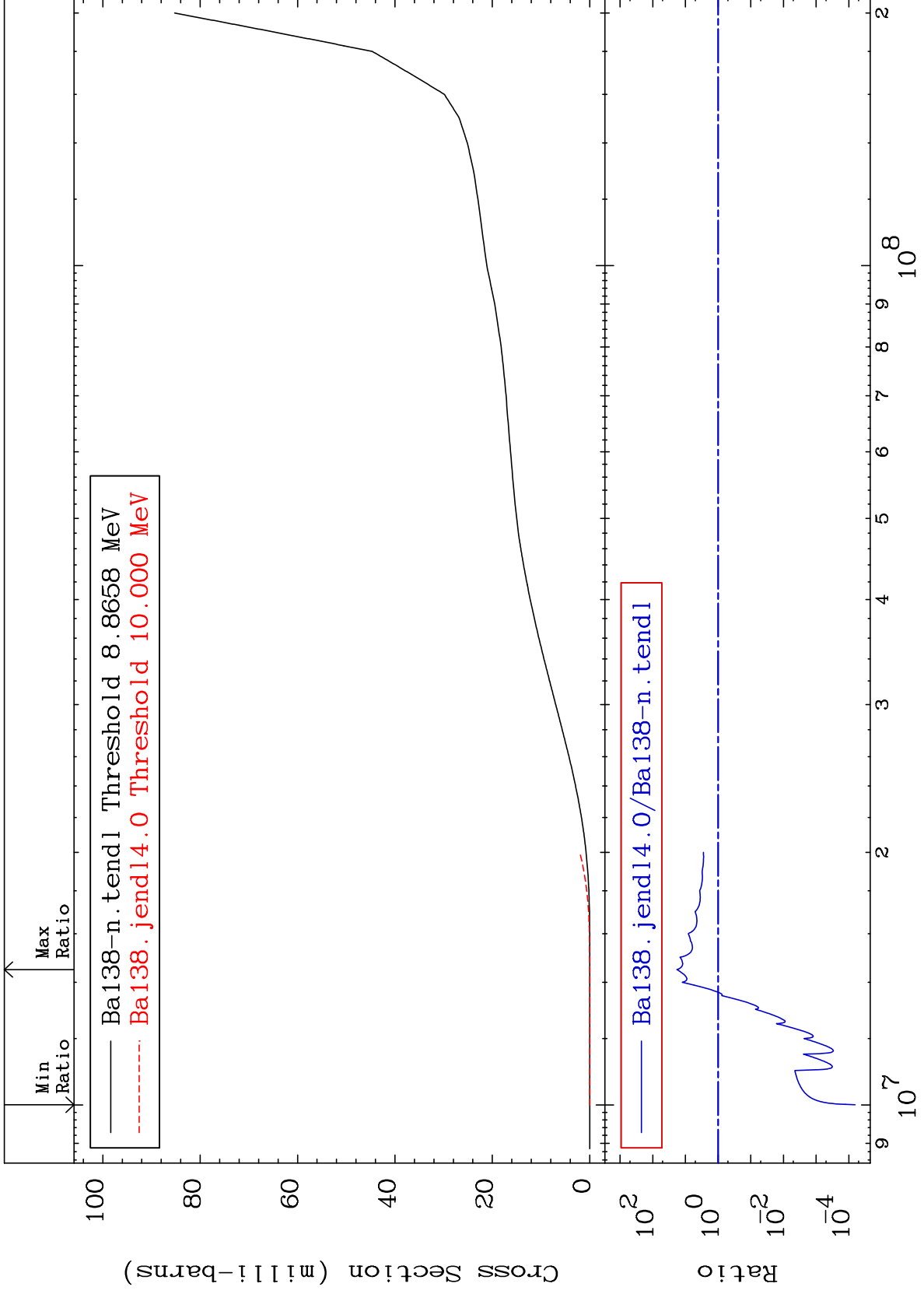
56-Ba-138  
-100.0 To 8.453 %



MAT 5649

Tritium Production  
Cross Section

56-Ba-138  
-99.99 To 1719. %



35

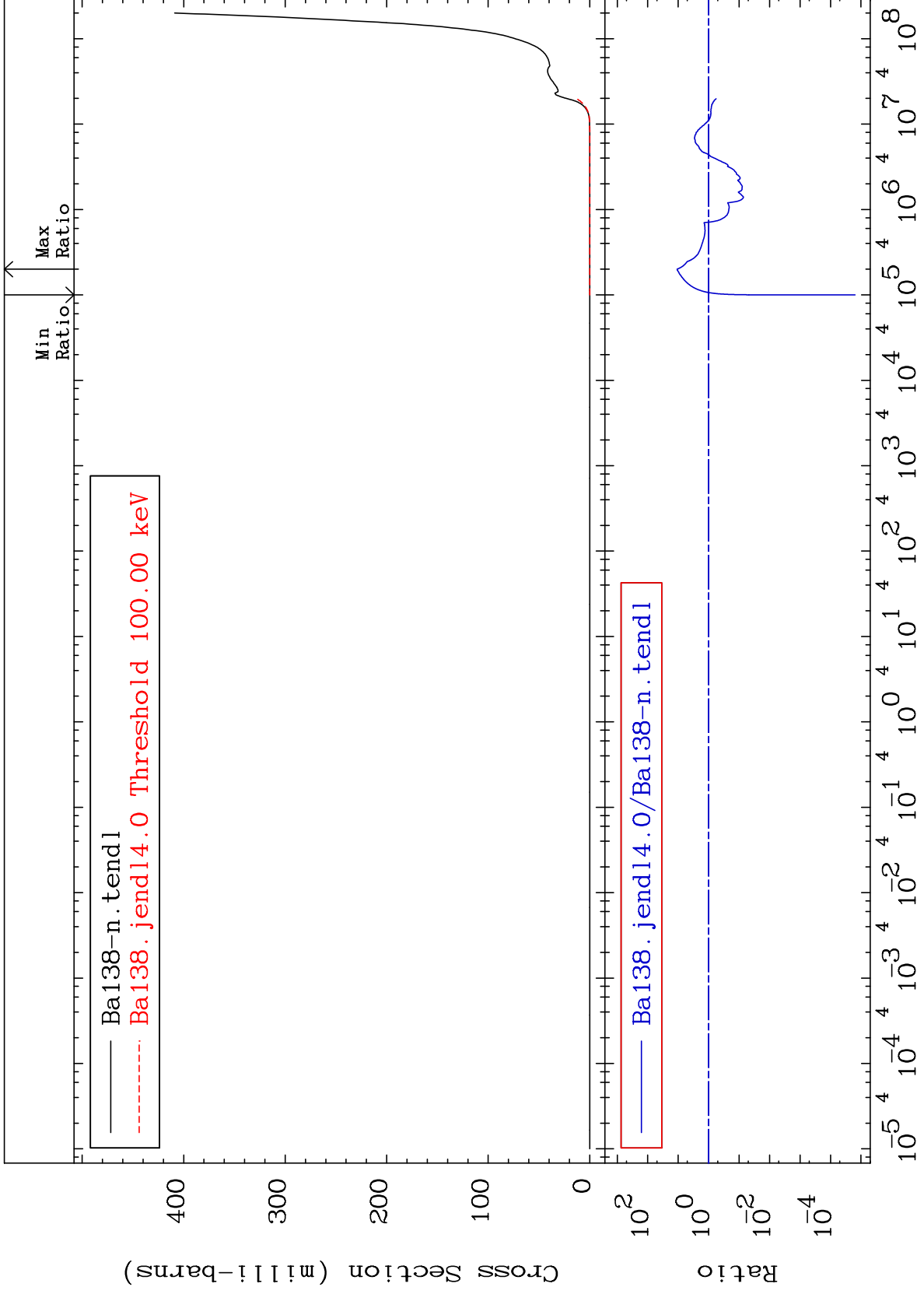
Incident Energy (eV)

56-Ba-138

MAT 5649

He-4 Production  
Cross Section

56-Ba-138  
-100.0 To 999.8 %



36

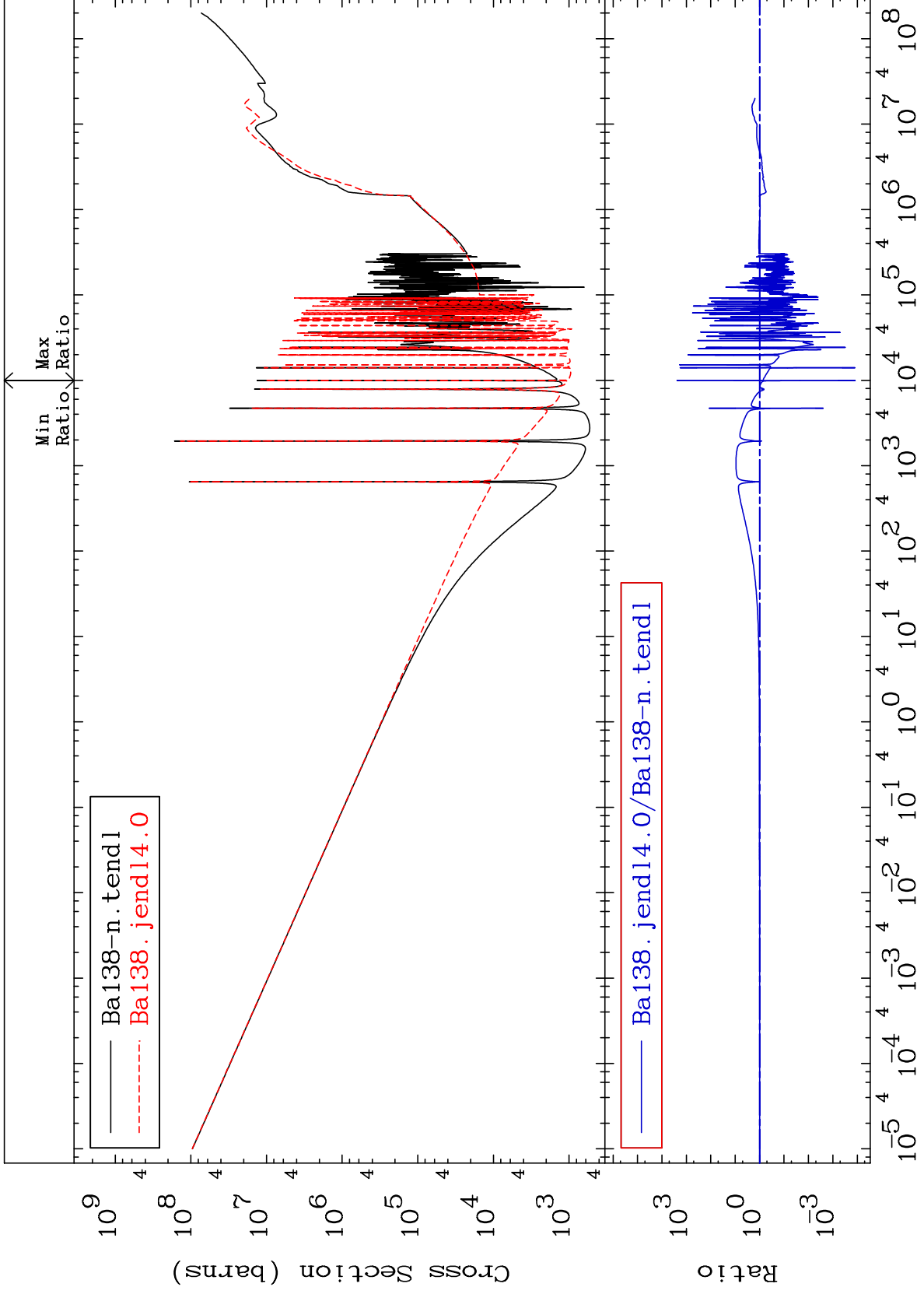
Incident Energy (eV)

56-Ba-138

MAT 5649

Kerma total (eV-barns)  
Cross Section

56-Ba-138  
-99.99 To 9999. %



37

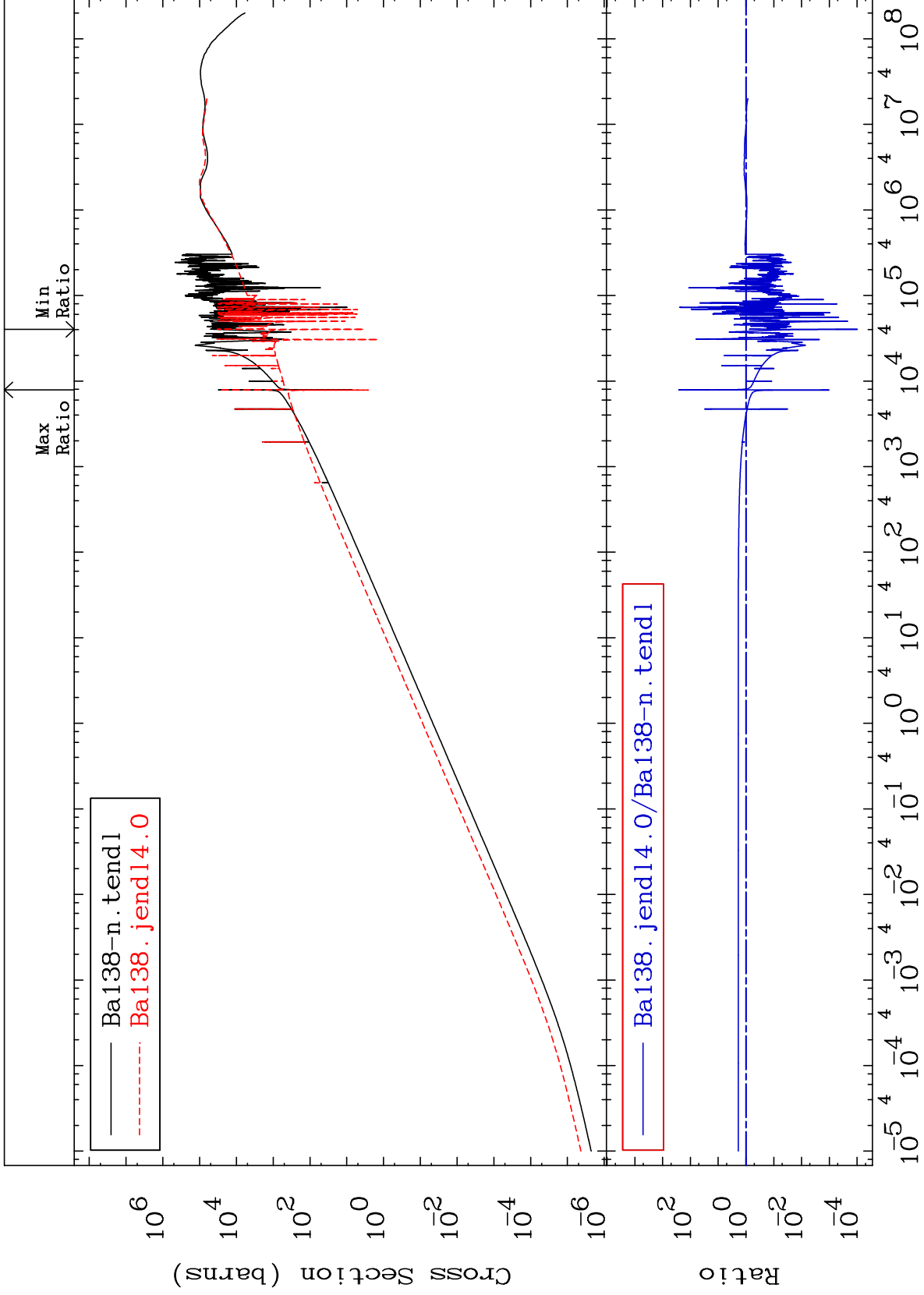
Incident Energy (eV)

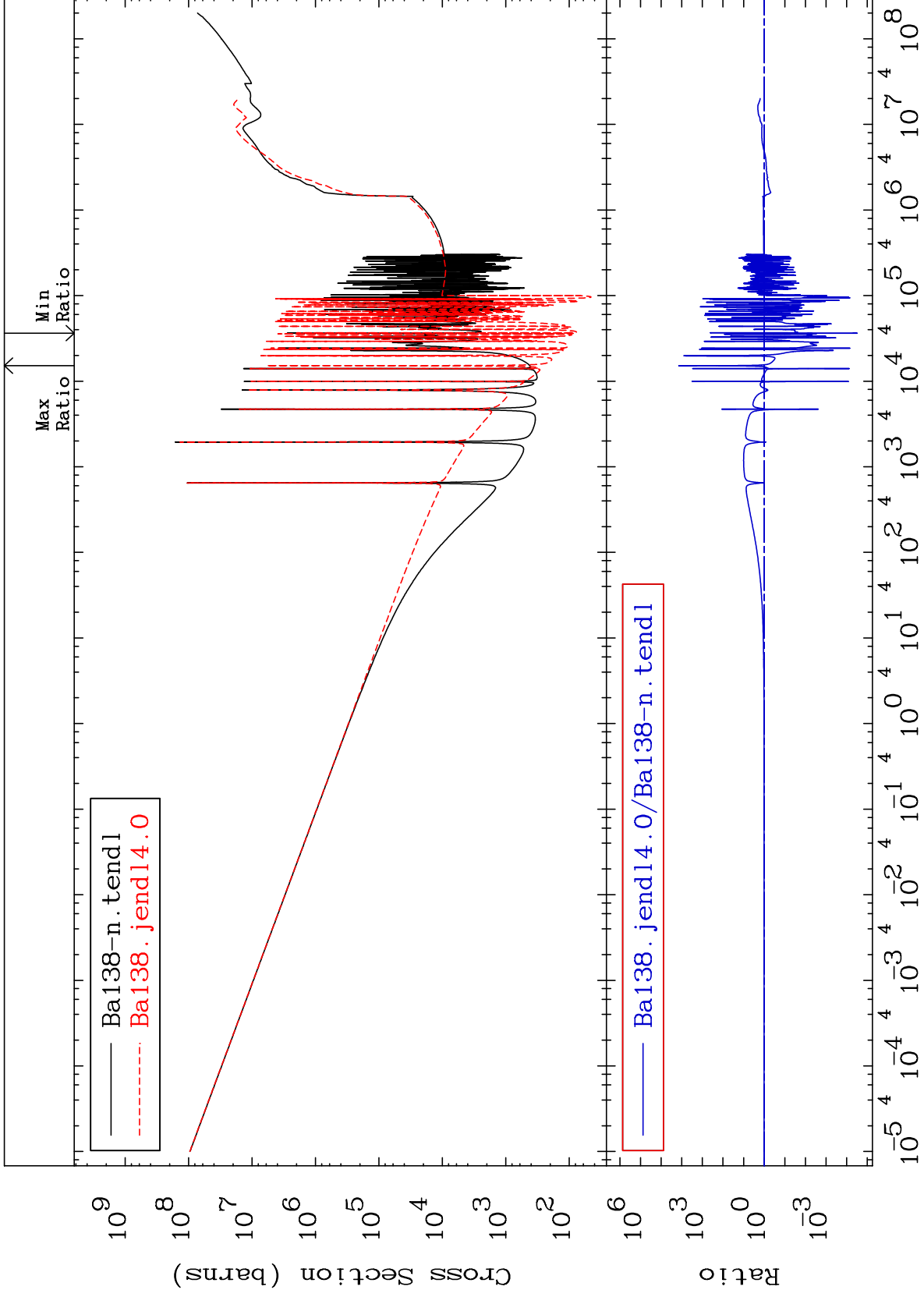
56-Ba-138

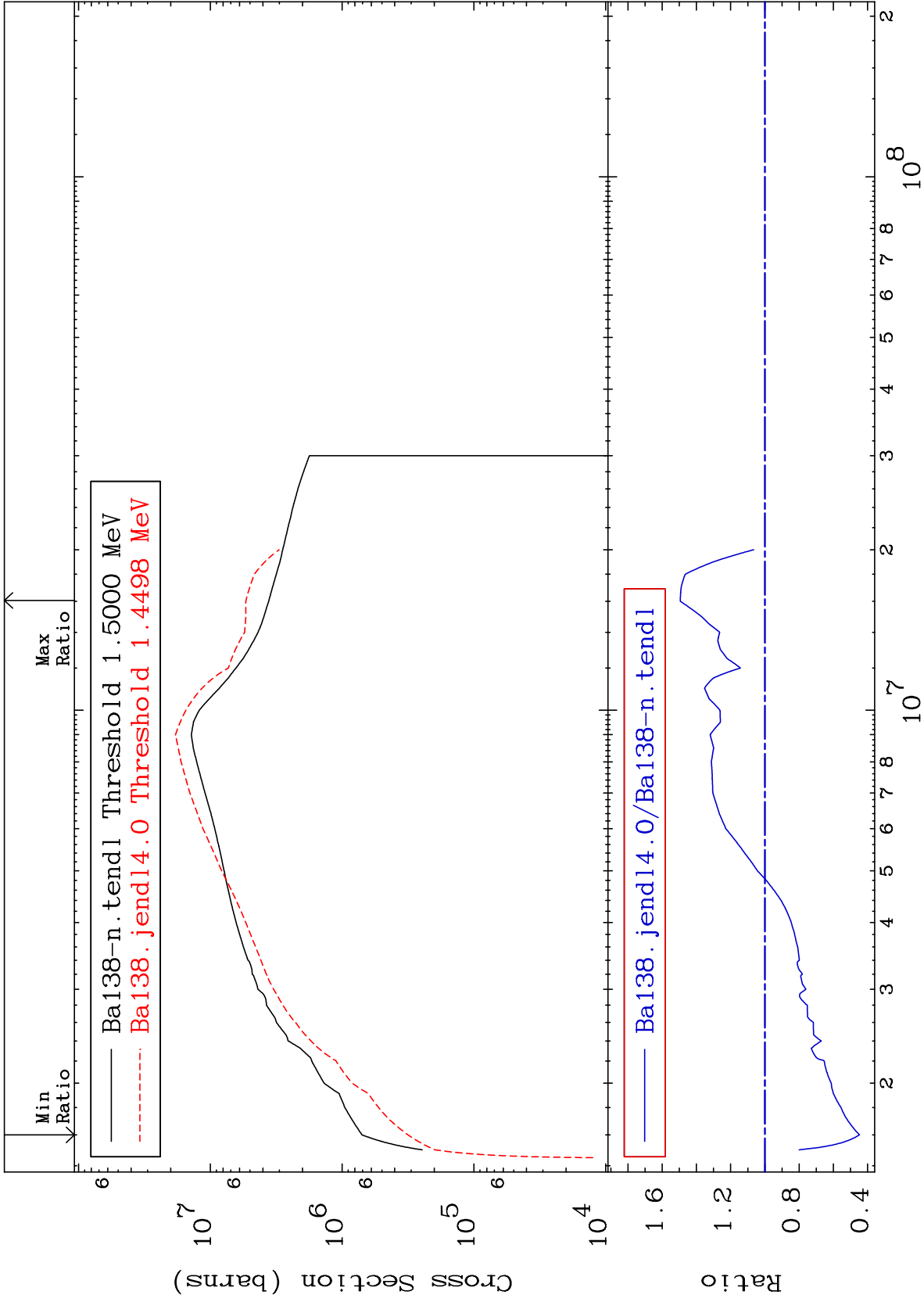
MAT 5649

Kerma elastic  
Cross Section

56-Ba-138  
-99.99 To 9999. %





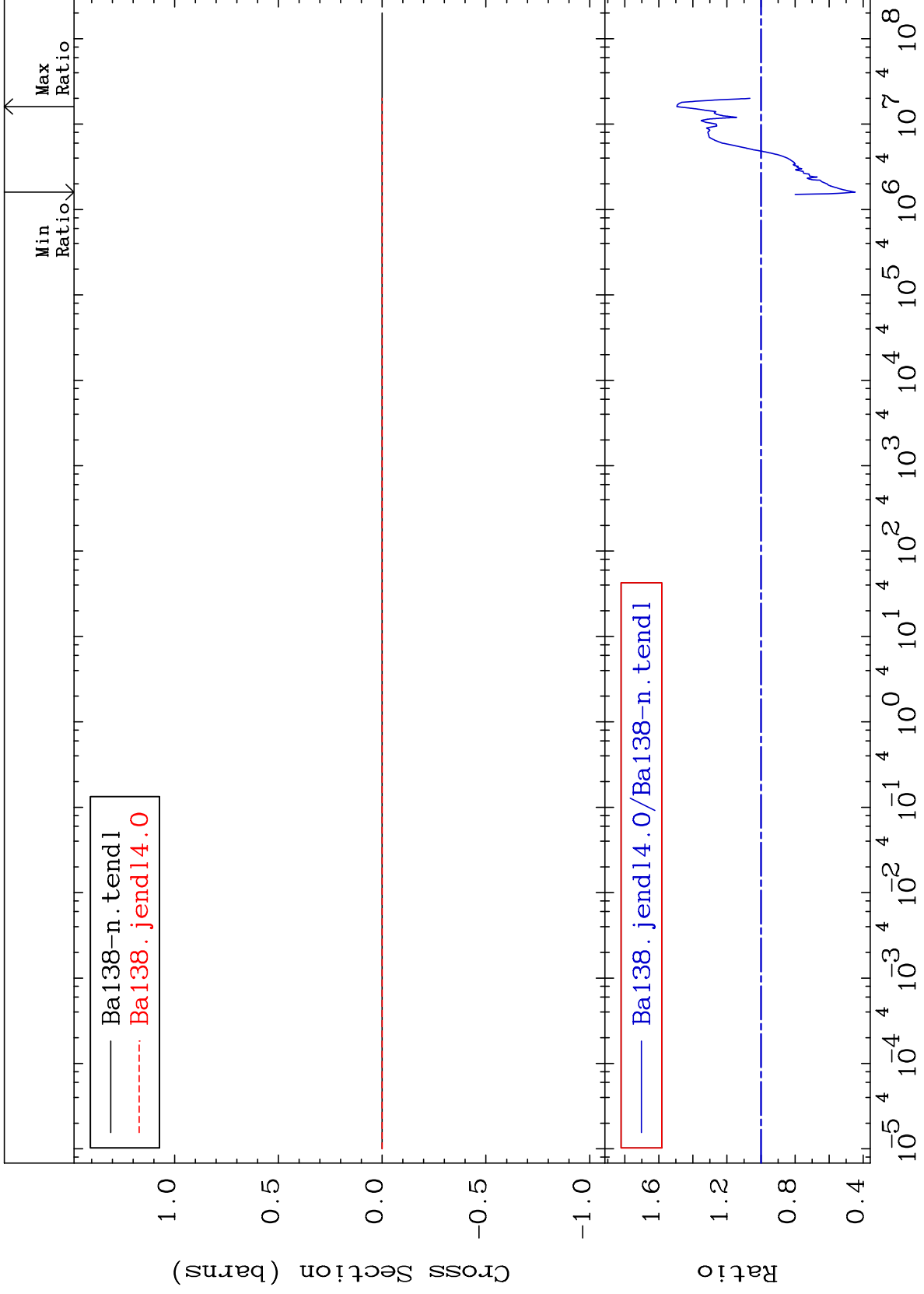




MAT 5649

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

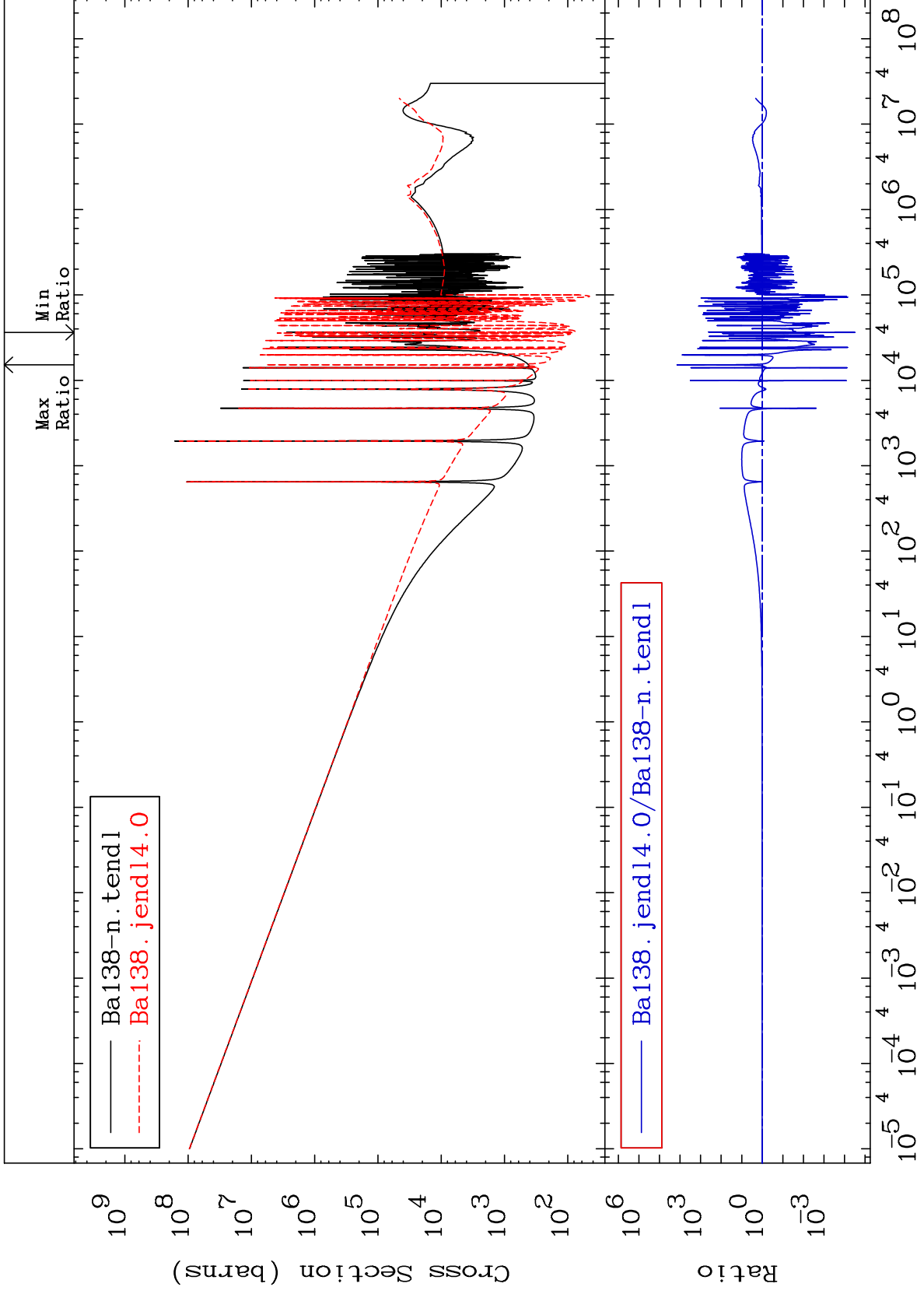
56-Ba-138  
-55.26 To 49.39 %

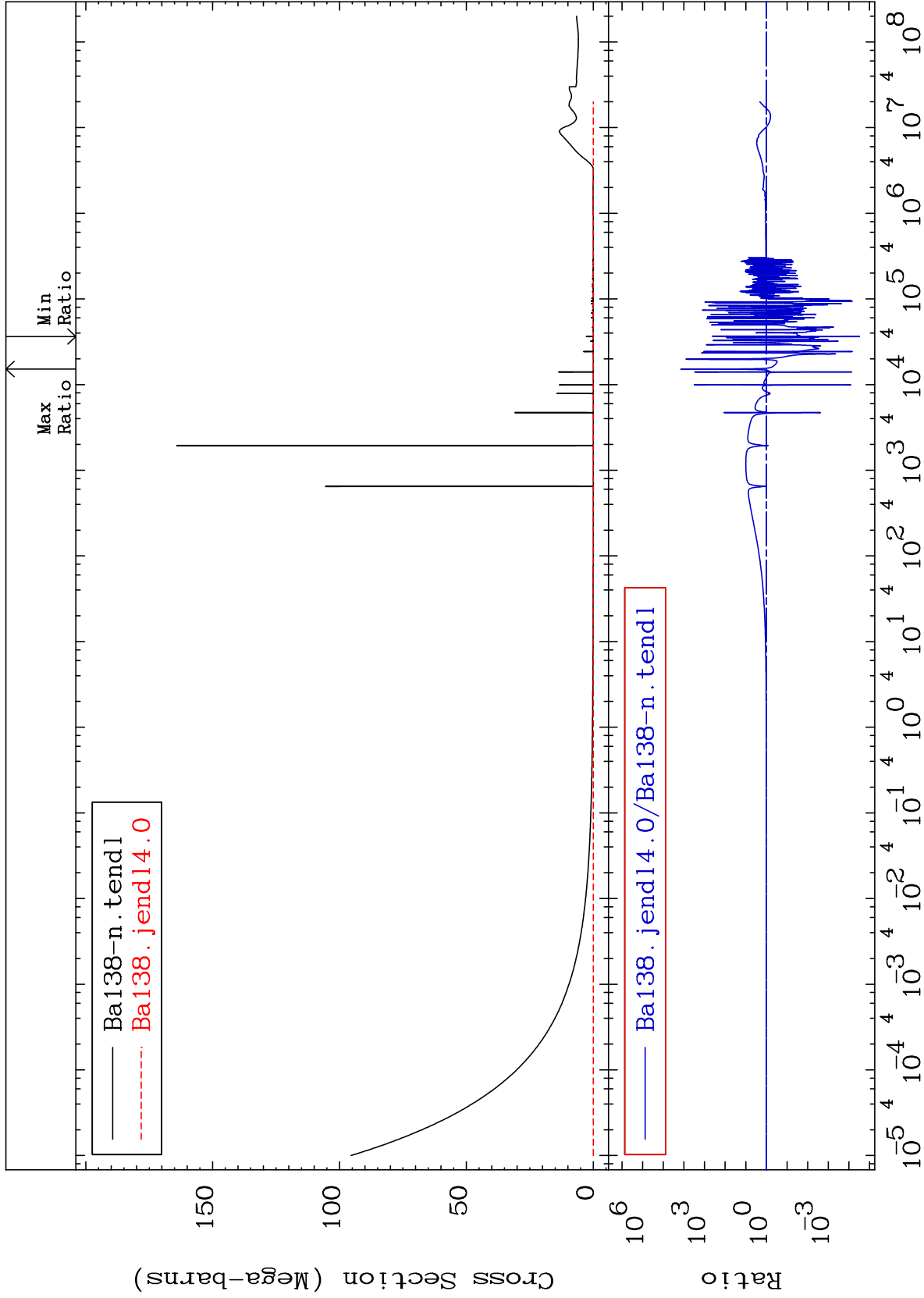


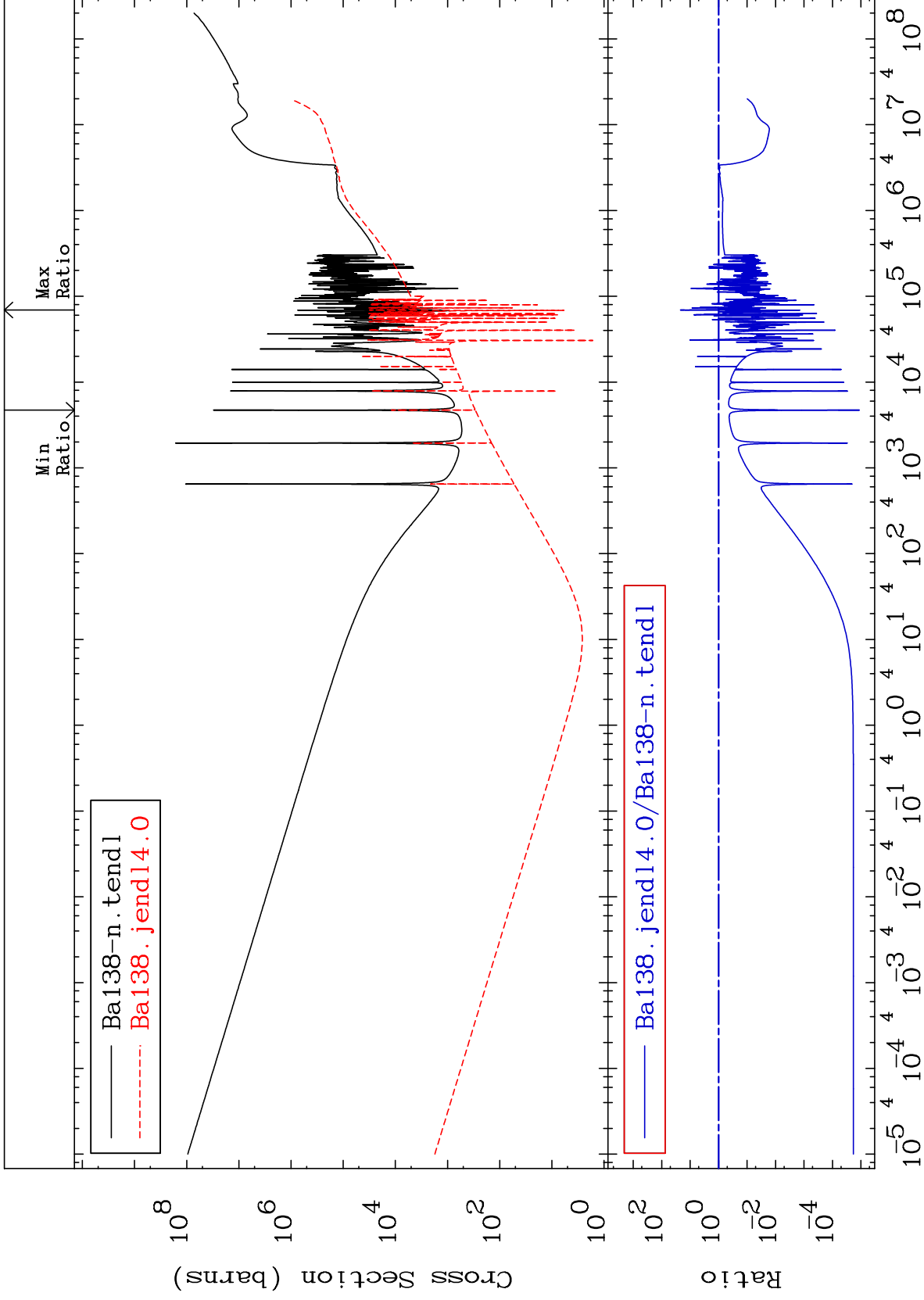
MAT 5649

Kerma capture (mt102)  
Cross Section

56-Ba-138  
-100.0 To 9999. %



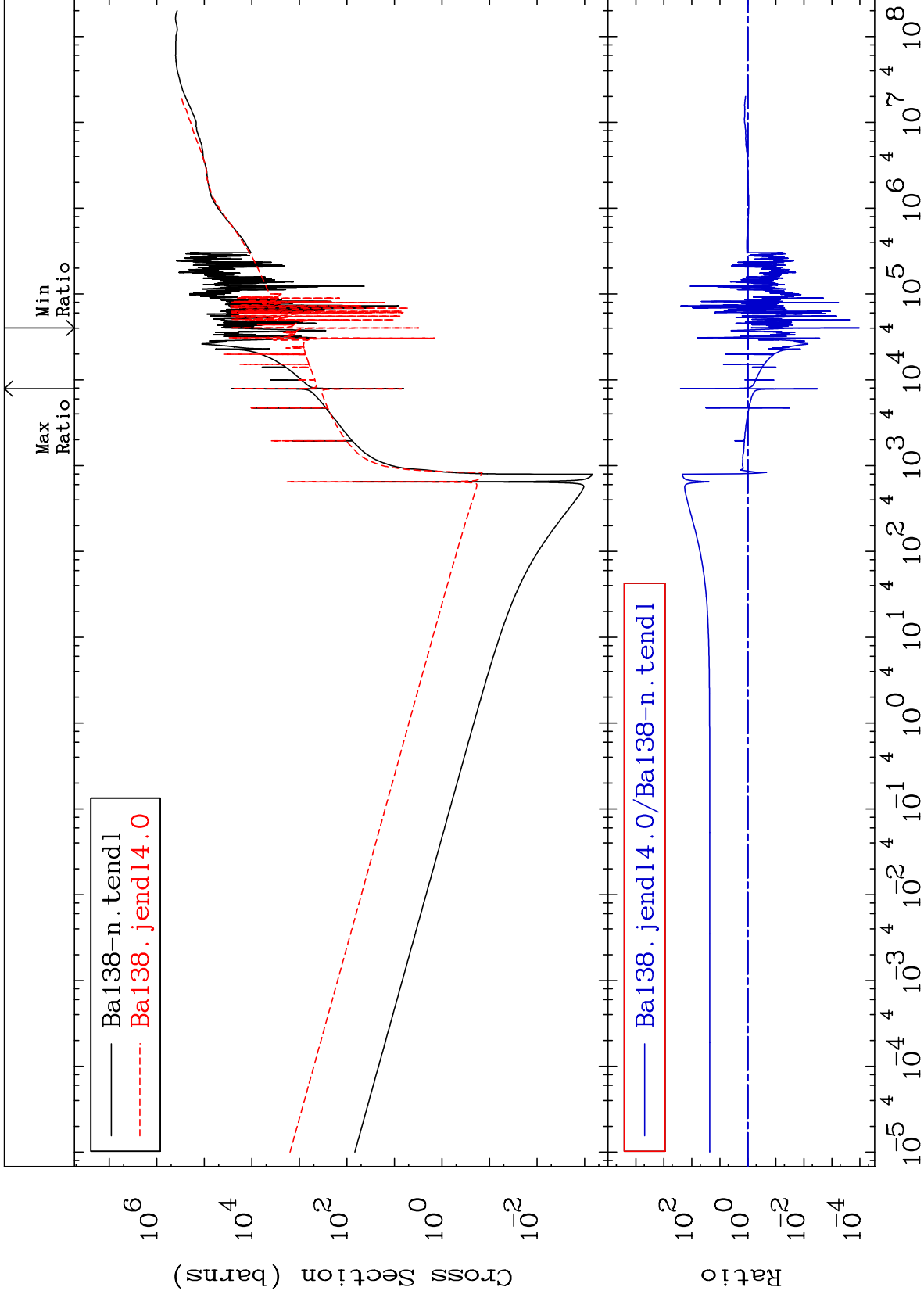




MAT 5649

Dpa total (eV-barns)  
Cross Section

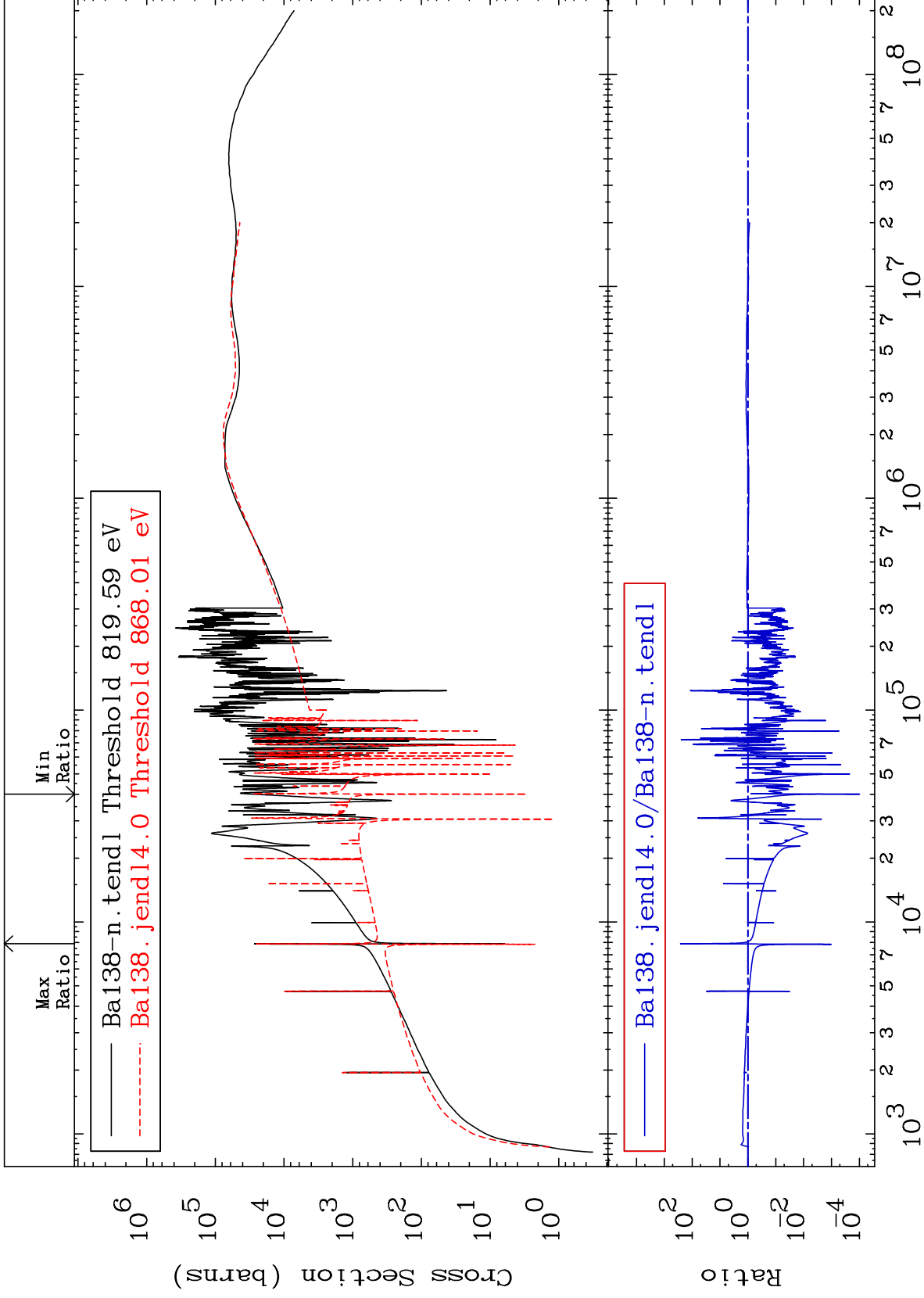
56-Ba-138  
-99.99 To 9999. %



MAT 5649

Dpa elastic (mt2)  
Cross Section

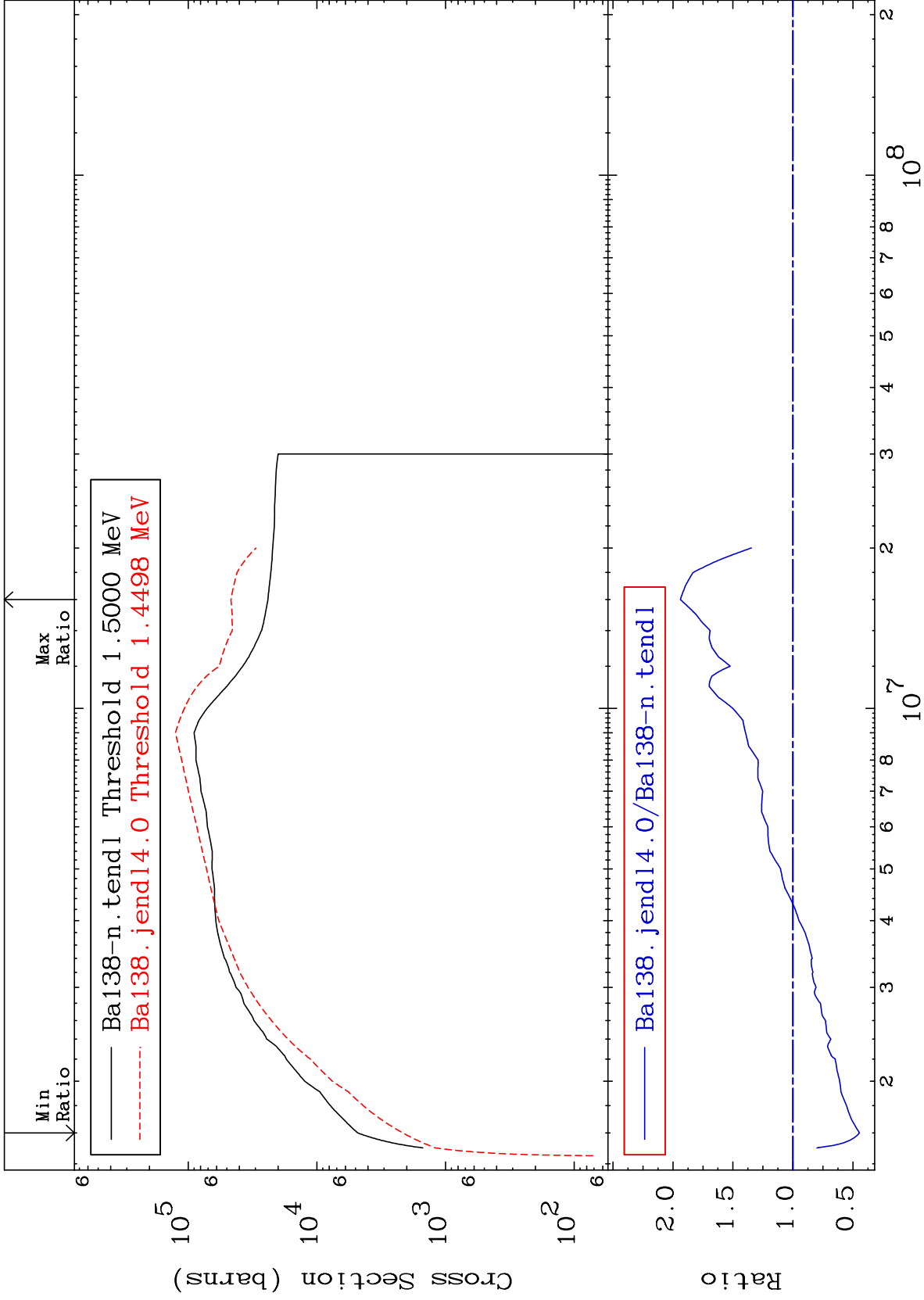
56-Ba-138  
-99.99 To 9999. %



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Incident Energy (eV)

56-Ba-138



MAT 5649

Dpa disappearance (mt102 -120)  
Cross Section

56-Ba-138  
-99.73 To 9999. %

