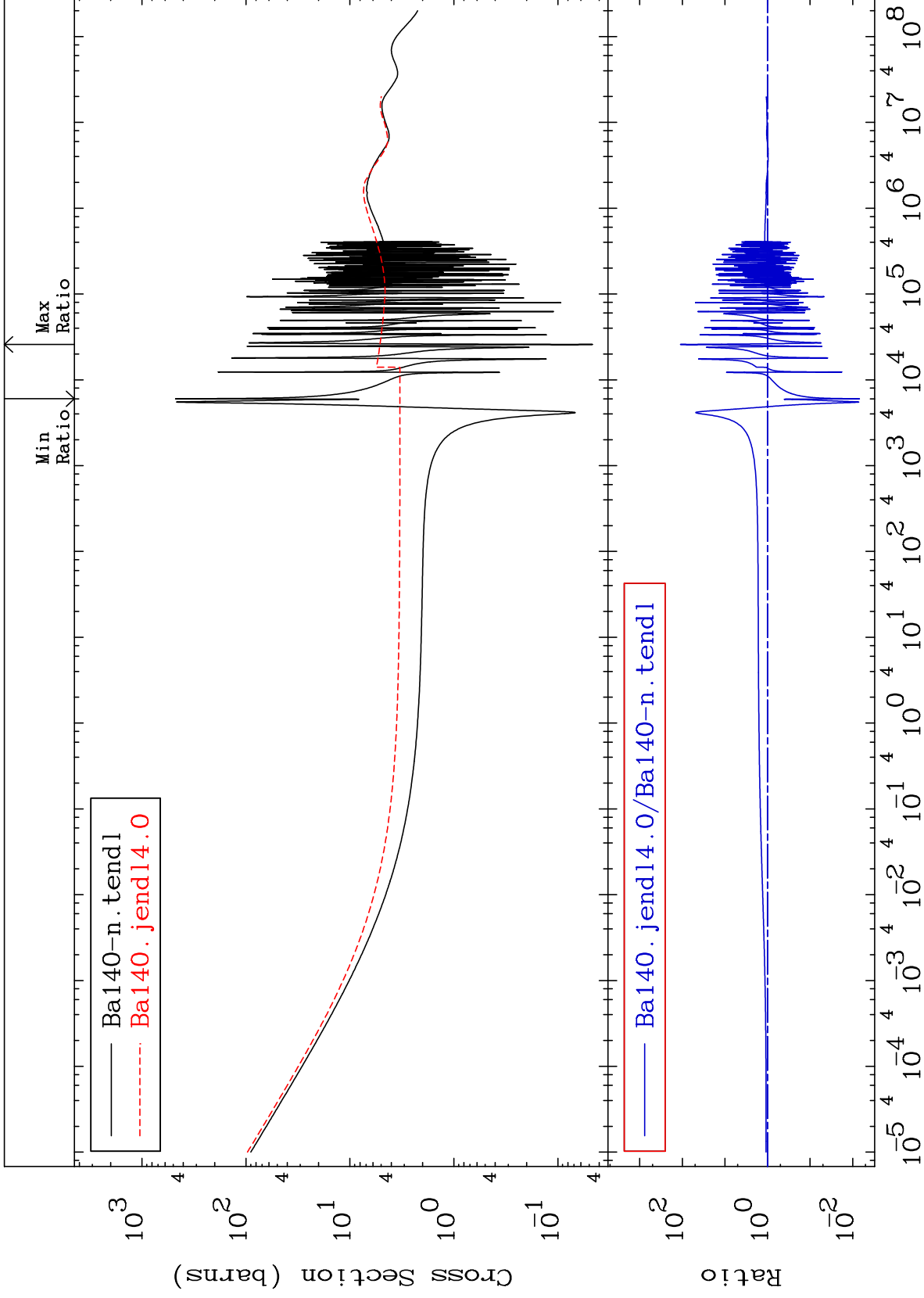


MAT 5655

Total  
Cross Section

56-Ba-140  
-99.31 To 9999. %



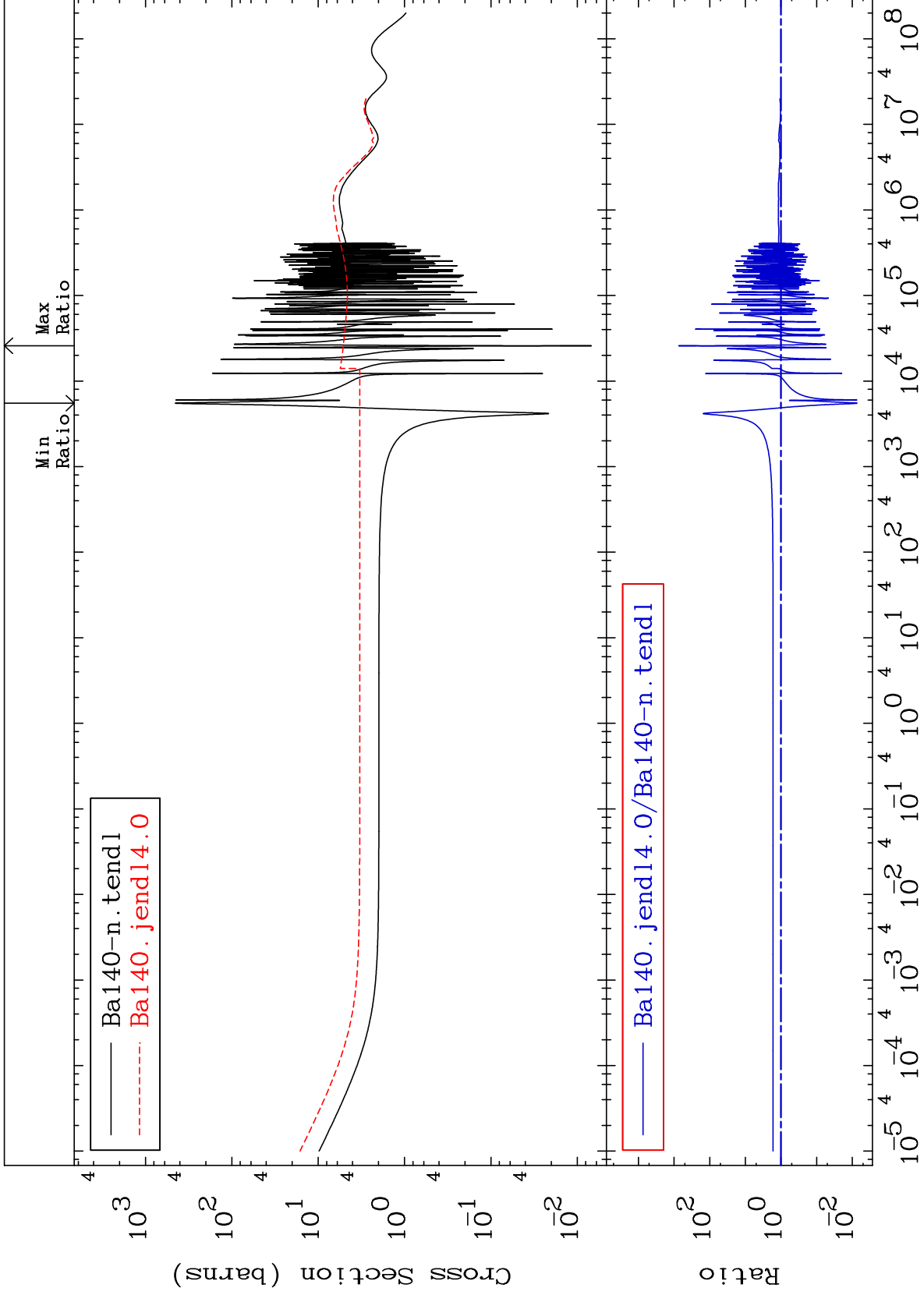
Incident Energy (eV)

56-Ba-140

MAT 5655

Elastic  
Cross Section

56-Ba-140  
-99.28 To 9999. %



Incident Energy (eV)

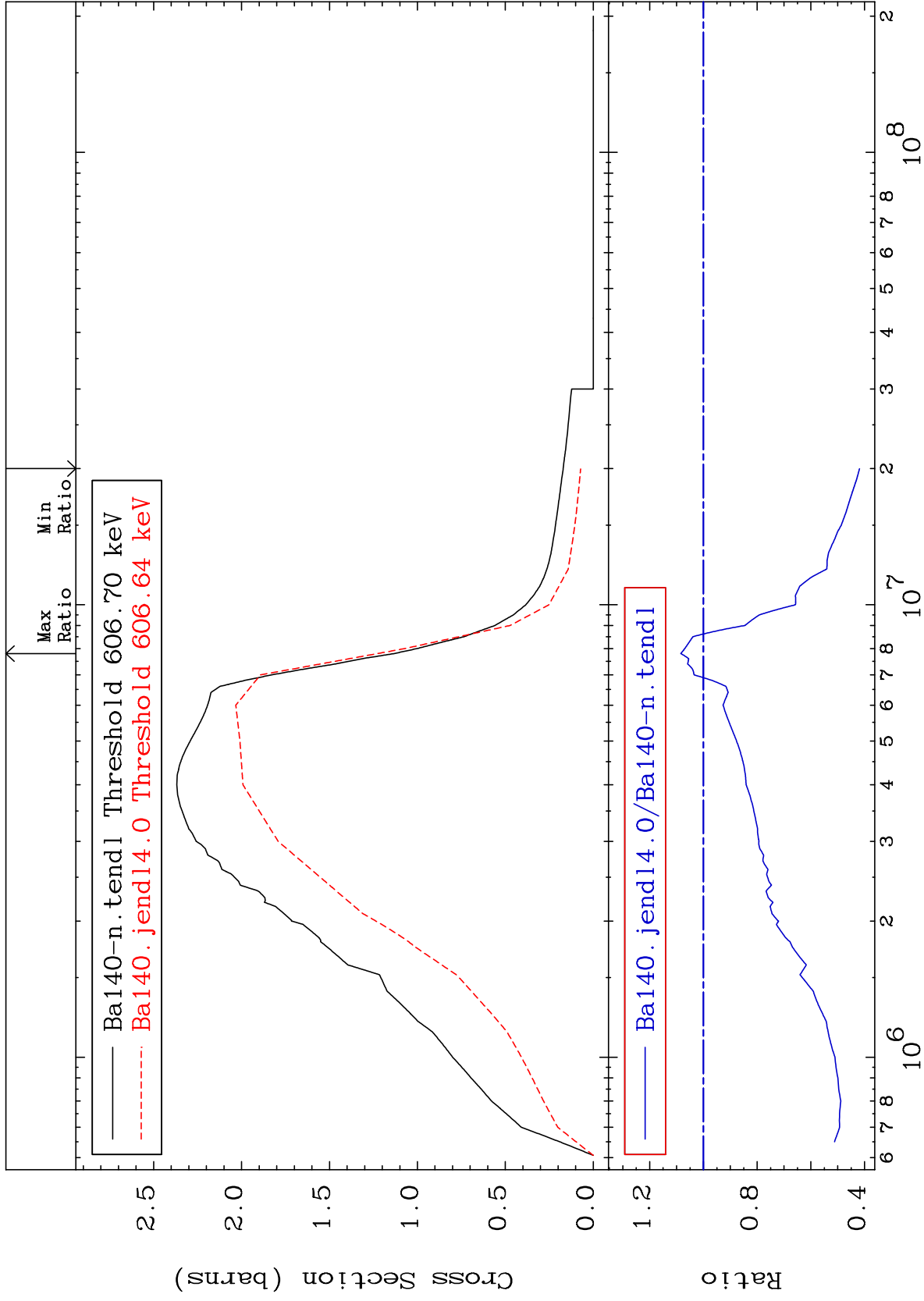
56-Ba-140

MAT 5655

56-Ba-140

-58.11 To 8.435 %

Inelastic  
Cross Section



3

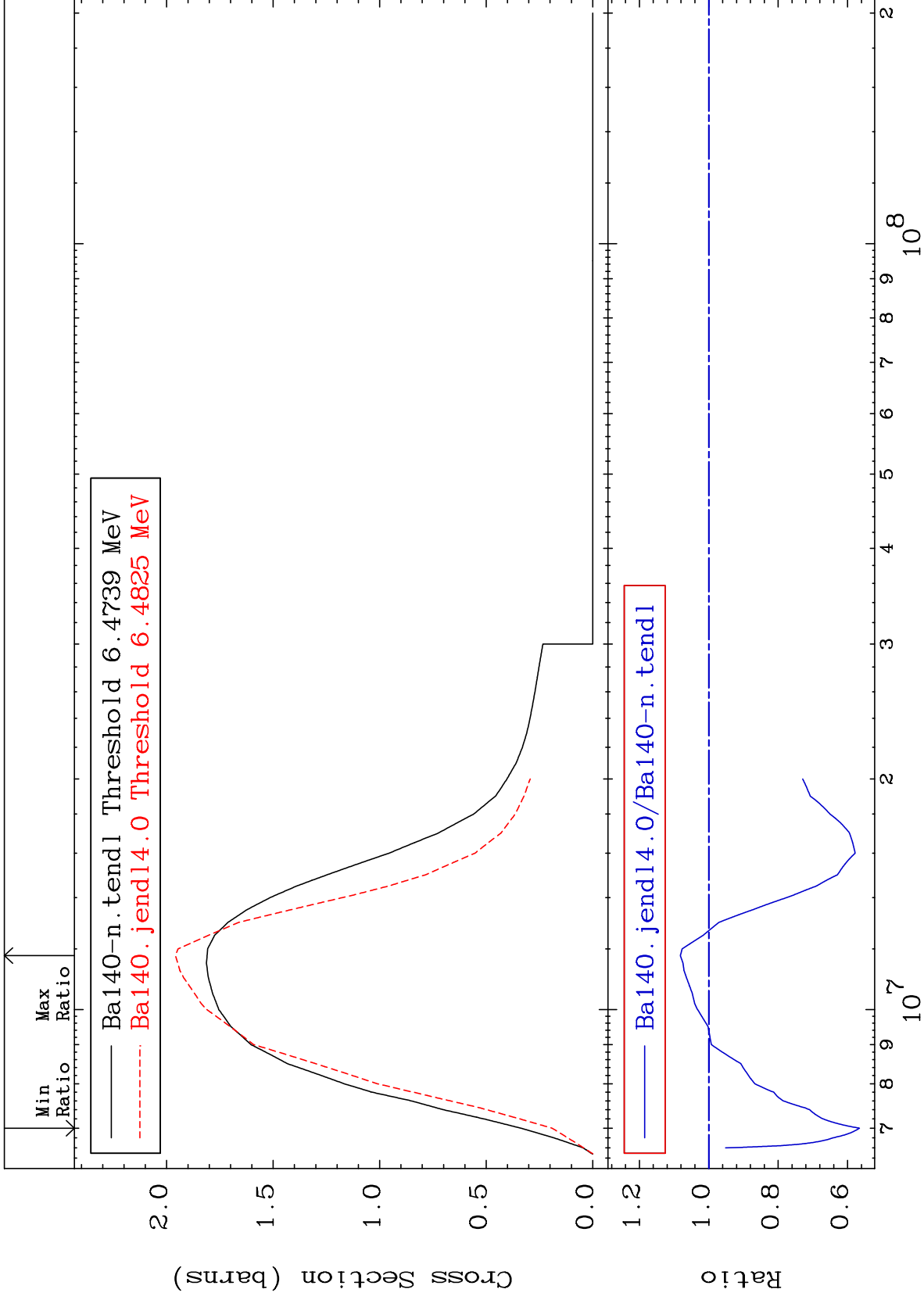
Incident Energy (eV)

56-Ba-140

MAT 5655

(n,2n)  
Cross Section

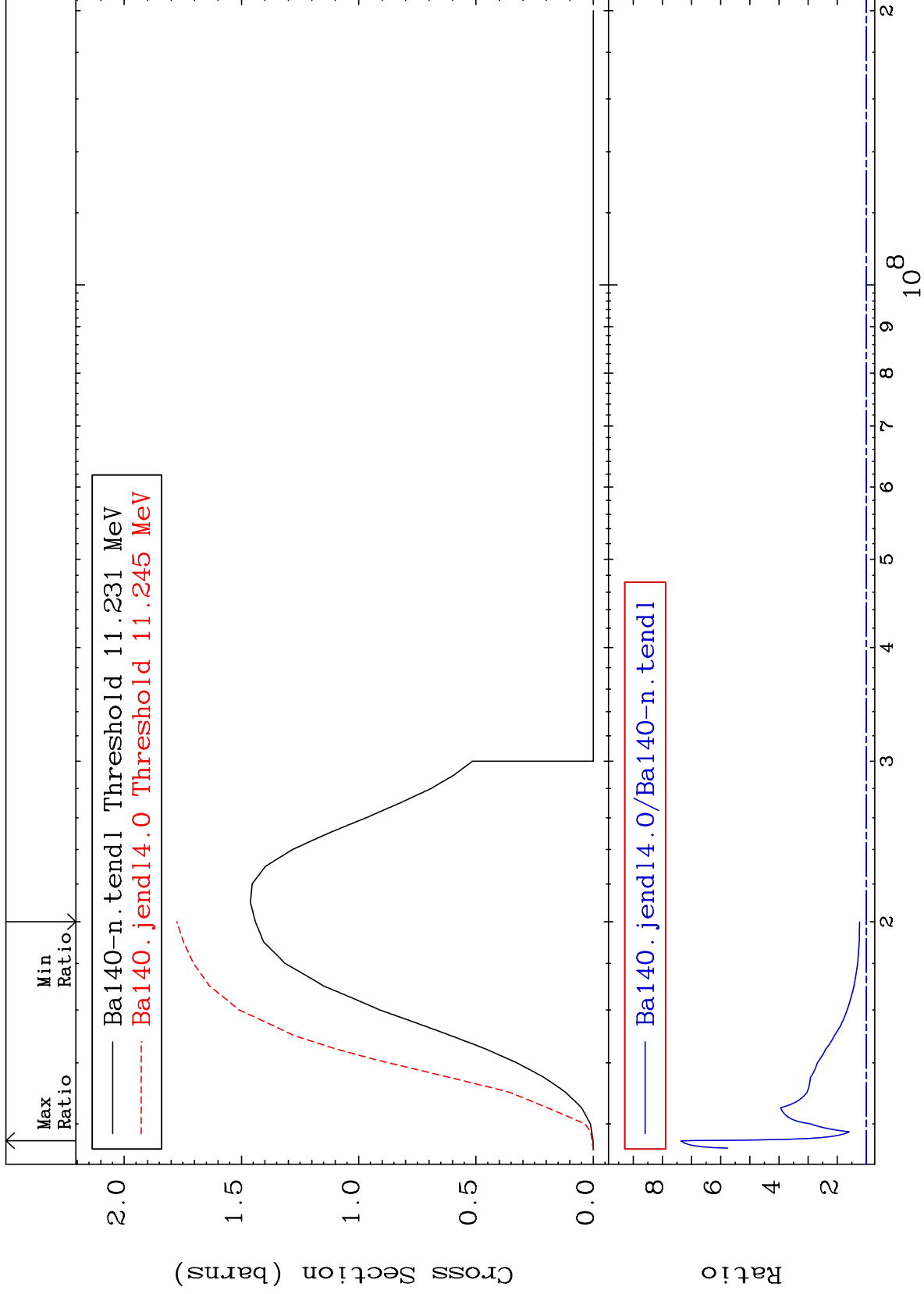
56-Ba-140  
-43.42 To 8.192 %



MAT 5655

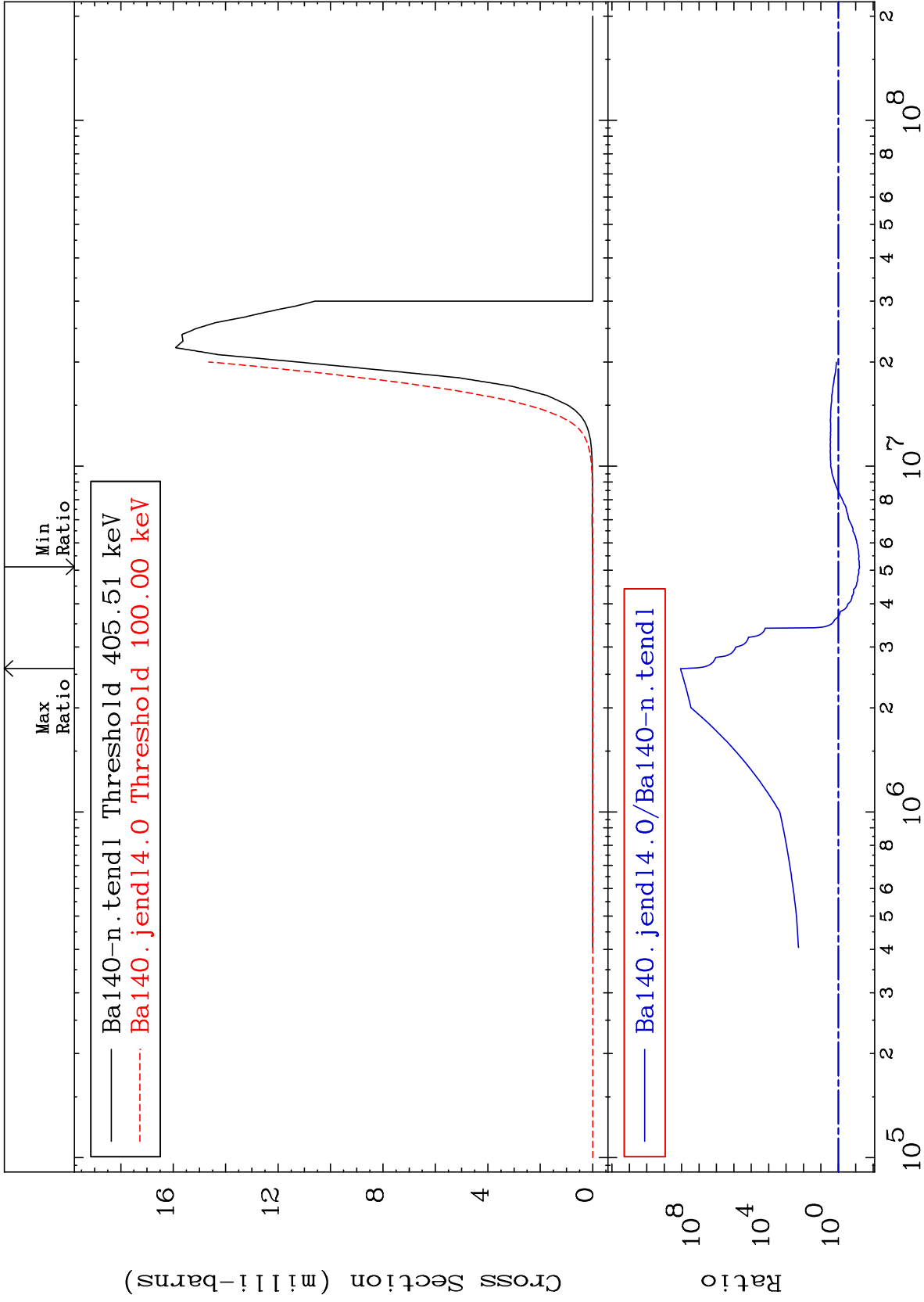
(n,3n)  
Cross Section

56-Ba-140  
23.25 To 636.9 %



MAT 5655

$(n, n') \alpha$  Cross Section  
56-Ba-140  
-93.84 To 9999. %



56-Ba-140

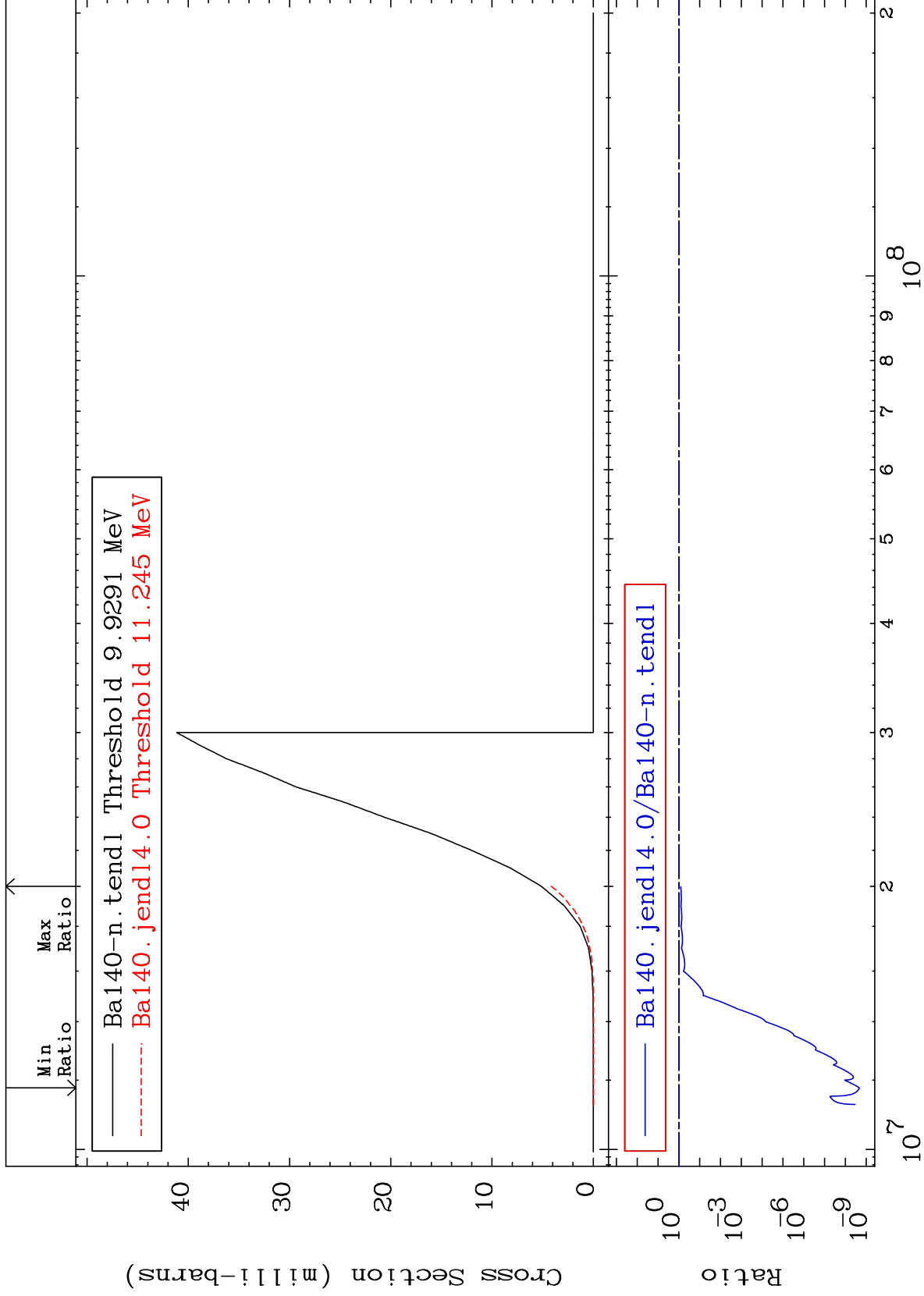
Incident Energy (eV)

6

MAT 5655

(n,n') p  
Cross Section

56-Ba-140  
-100.0 To -19.03%

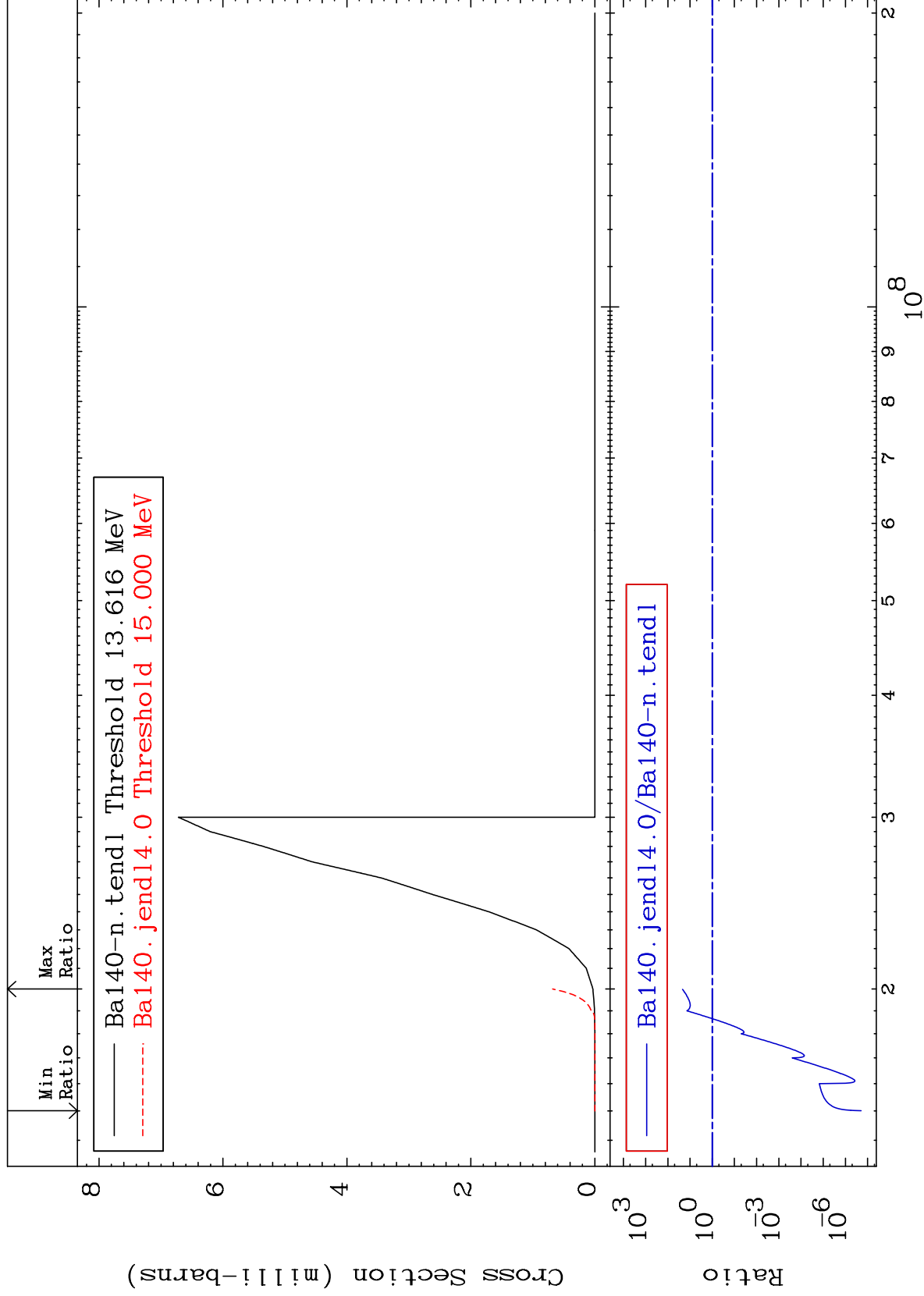


56-Ba-140

MAT 5655

(n,n') d  
Cross Section

56-Ba-140  
-100.0 To 2120. %





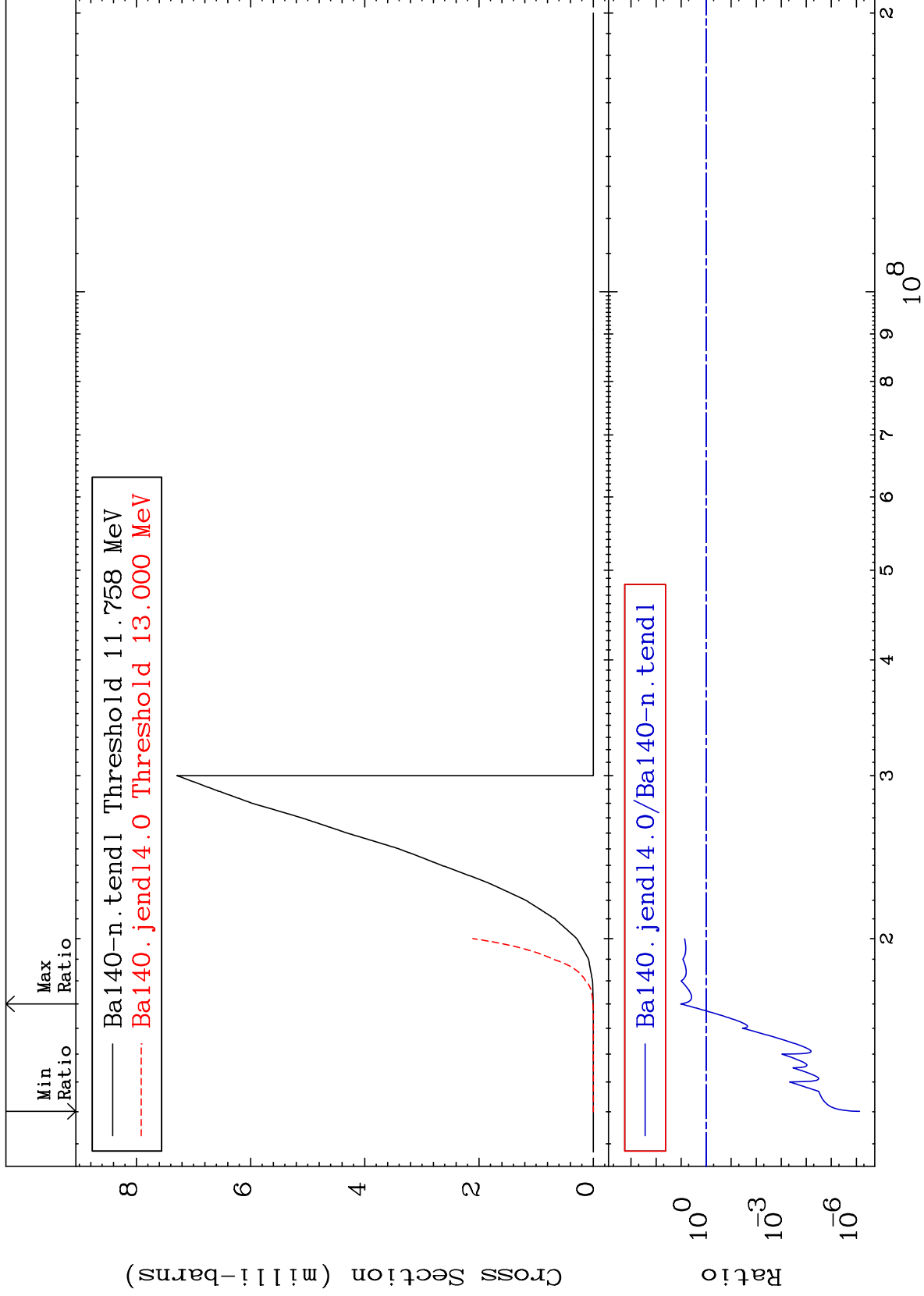
MAT 5655

(n,n') t

56-Ba-140

Cross Section

-100.0 To 934.1 %



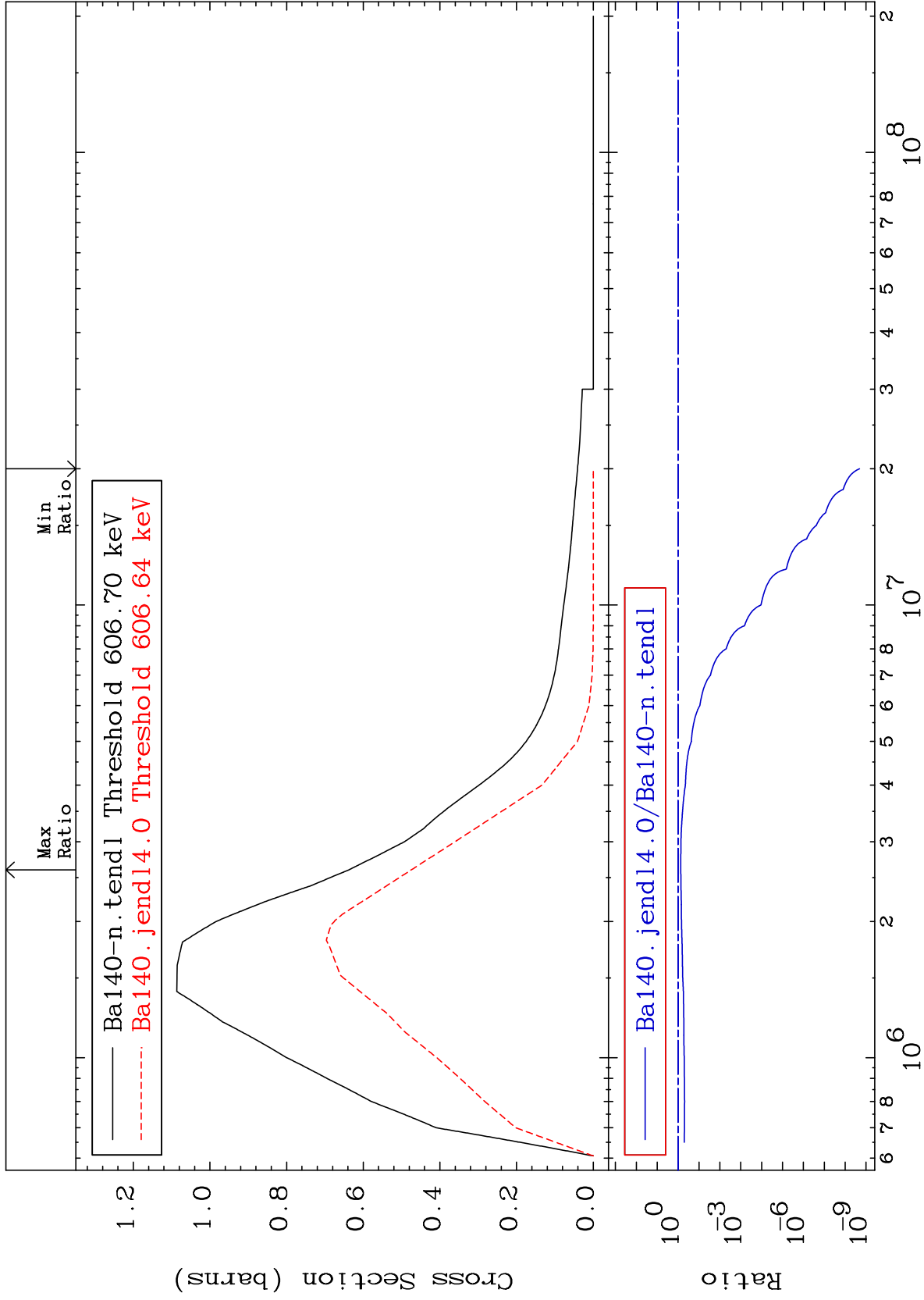
MAT 5655

602.4 keV (n,n') Level

56-Ba-140

-100.0 To -25.53%

Cross Section



10

Incident Energy (eV)

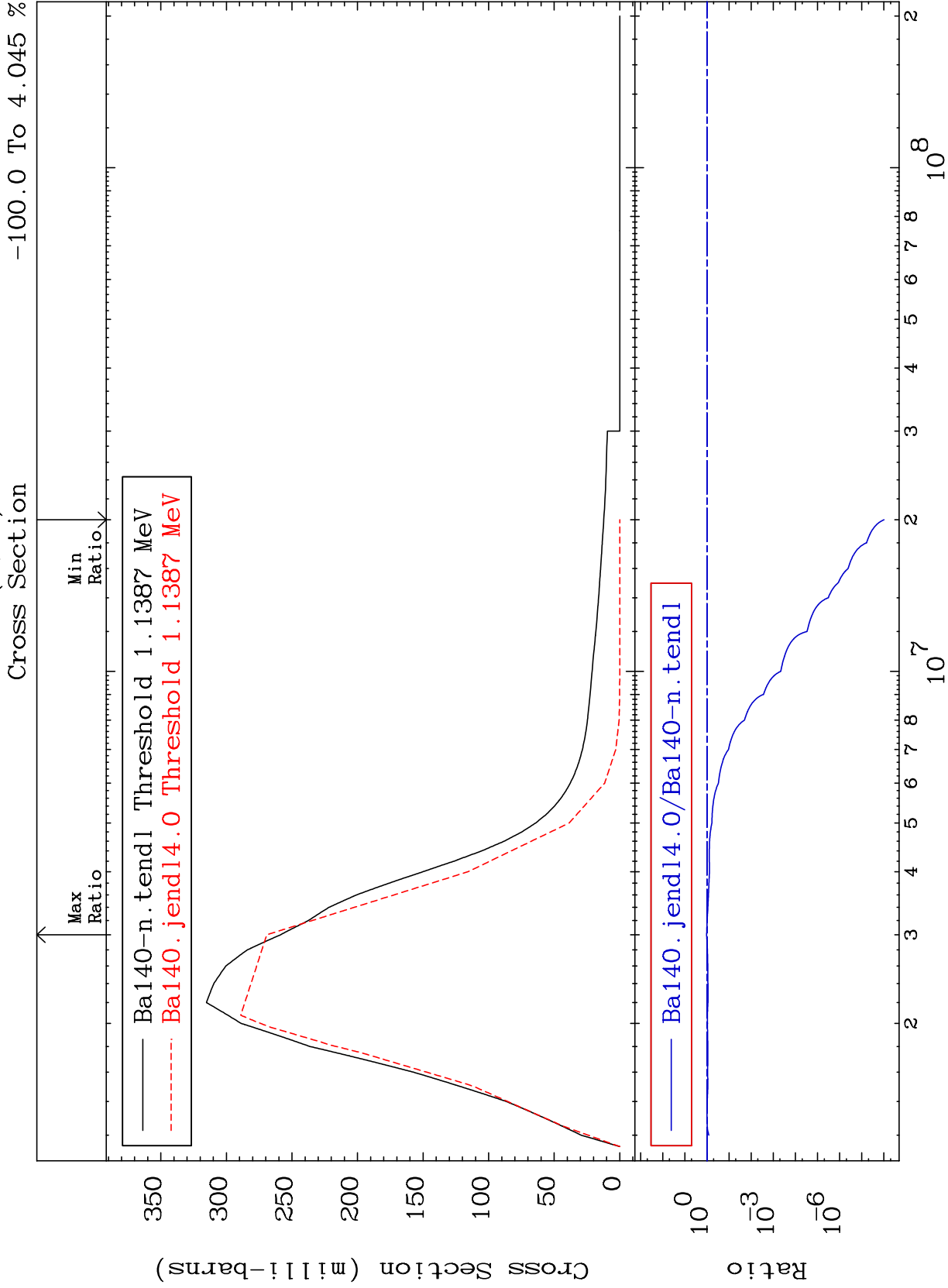
56-Ba-140

MAT 5655

1.131 MeV (n,n') Level

56-Ba-140

-100.0 To 4.045 %

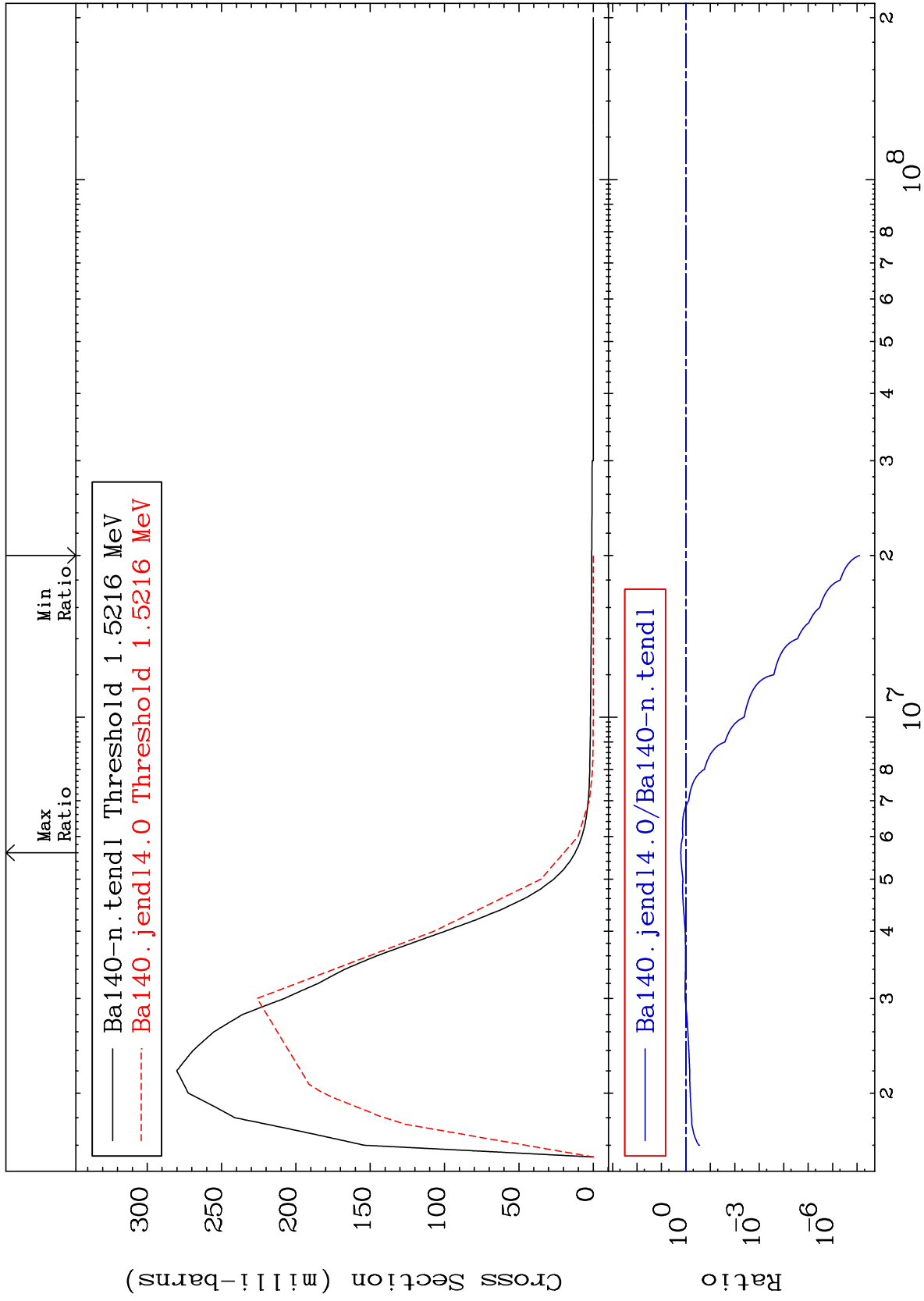


MAT 5655

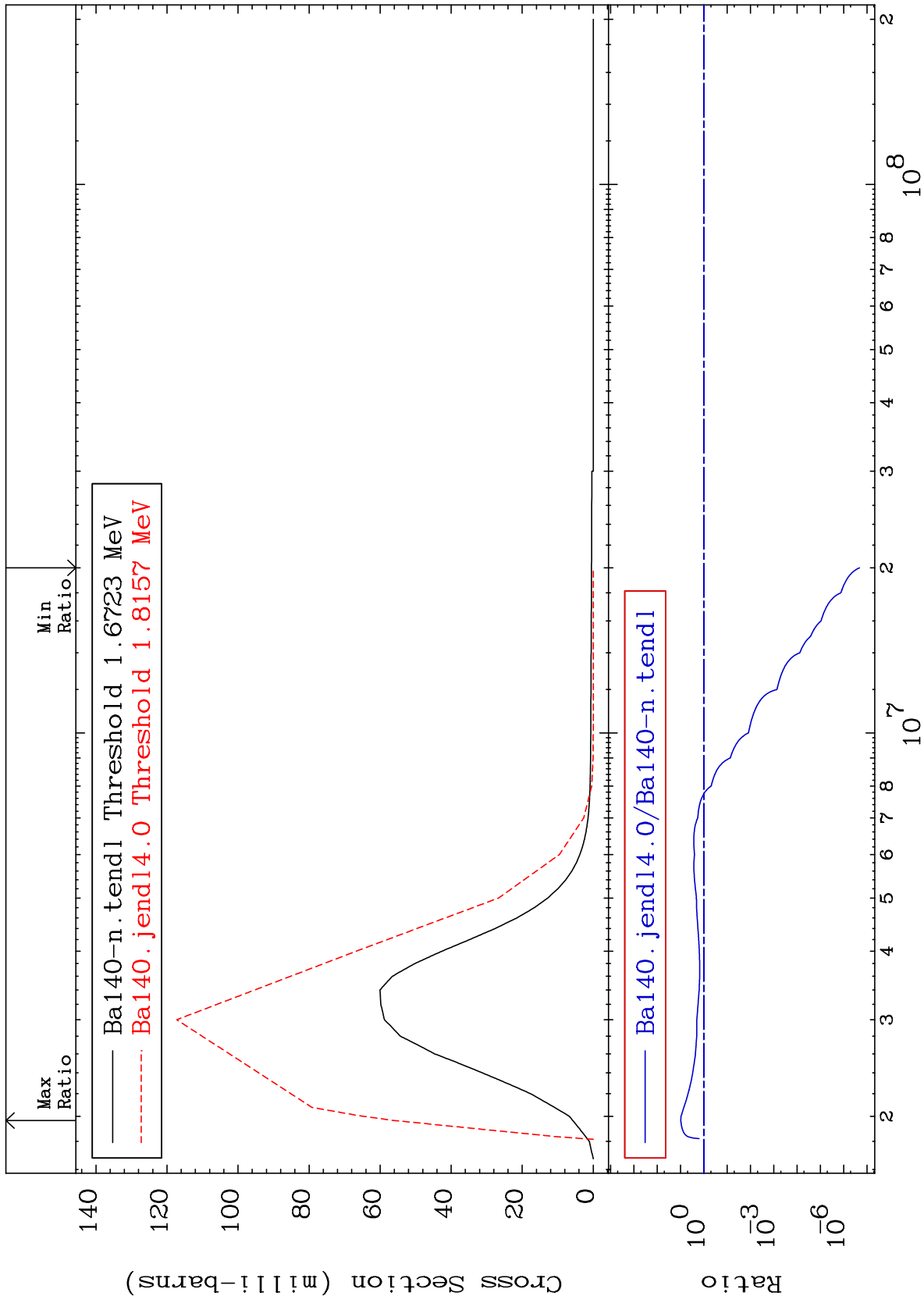
1.511 MeV (n,n') Level

56-Ba-140

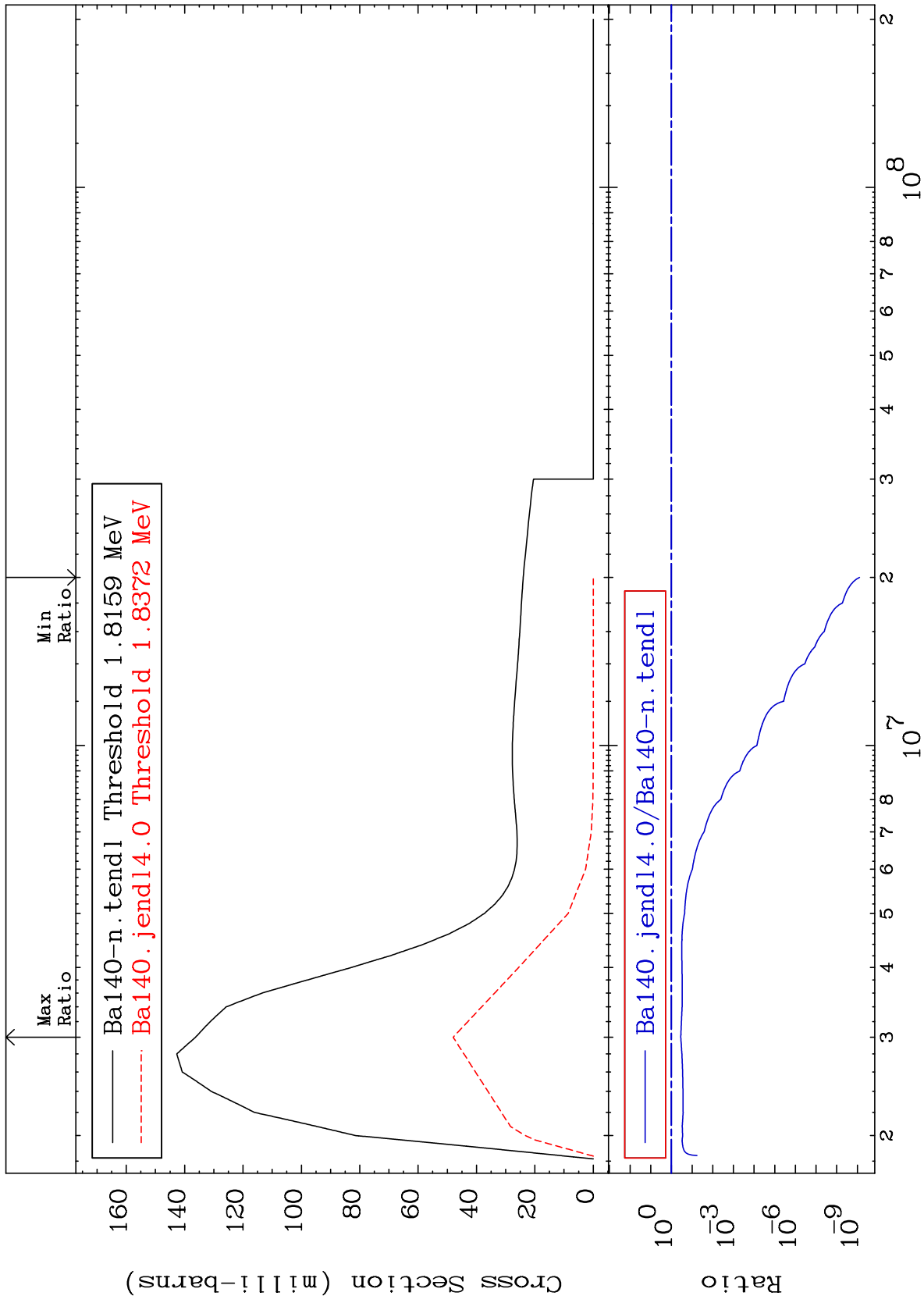
-100.0 To 62.48 %



MAT 5655      1.660 MeV (n,n') Level      56-Ba-140  
 Cross Section      -100.0 To 875.6 %



MAT 5655 1.803 MeV (n,n') Level 56-Ba-140  
 Cross Section -100.0 To -64.78%

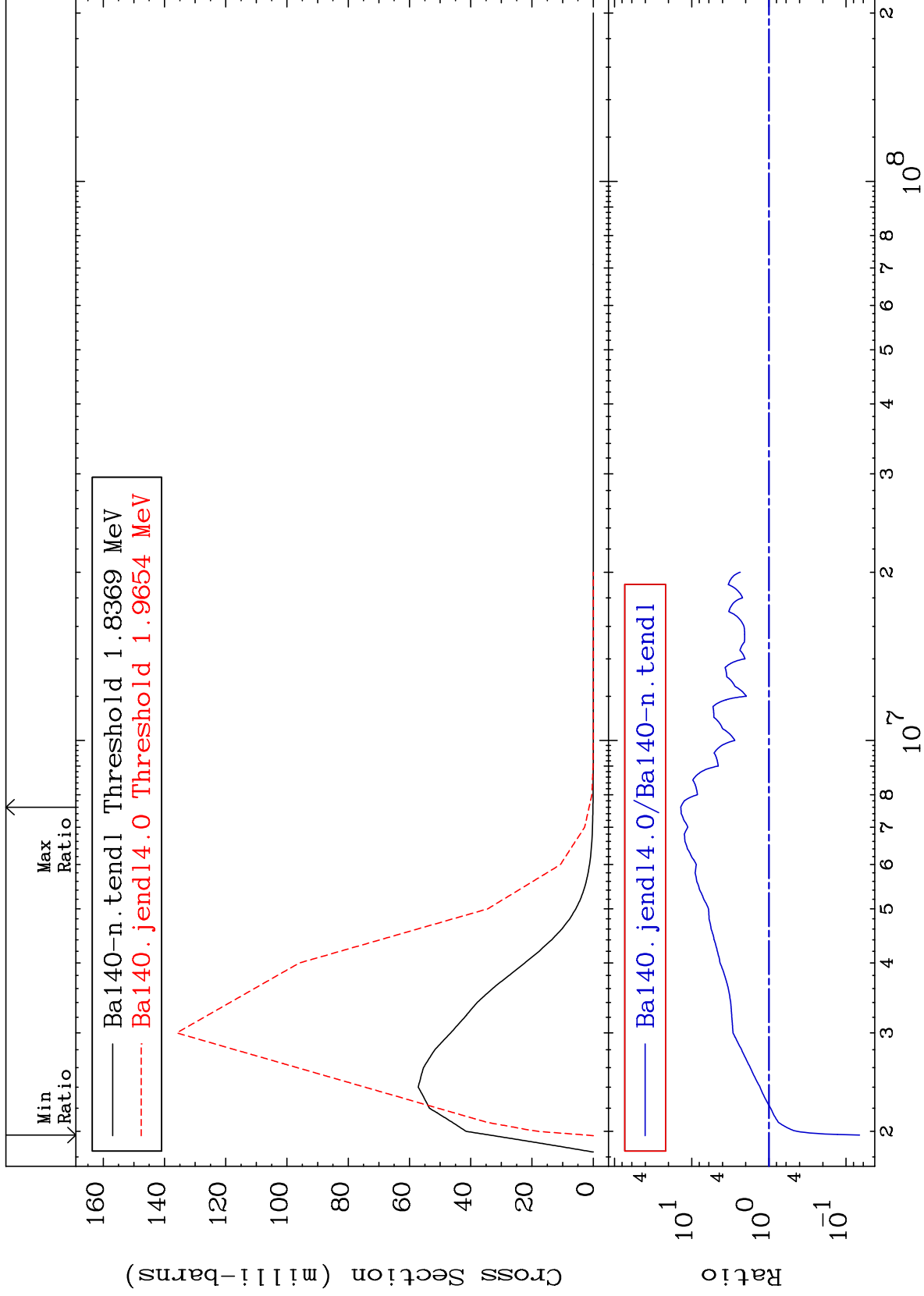


14 Incident Energy (eV) 56-Ba-140

MAT 5655

1.824 MeV (n,n') Level  
Cross Section

56-Ba-140  
-93.31 To 1288. %



15

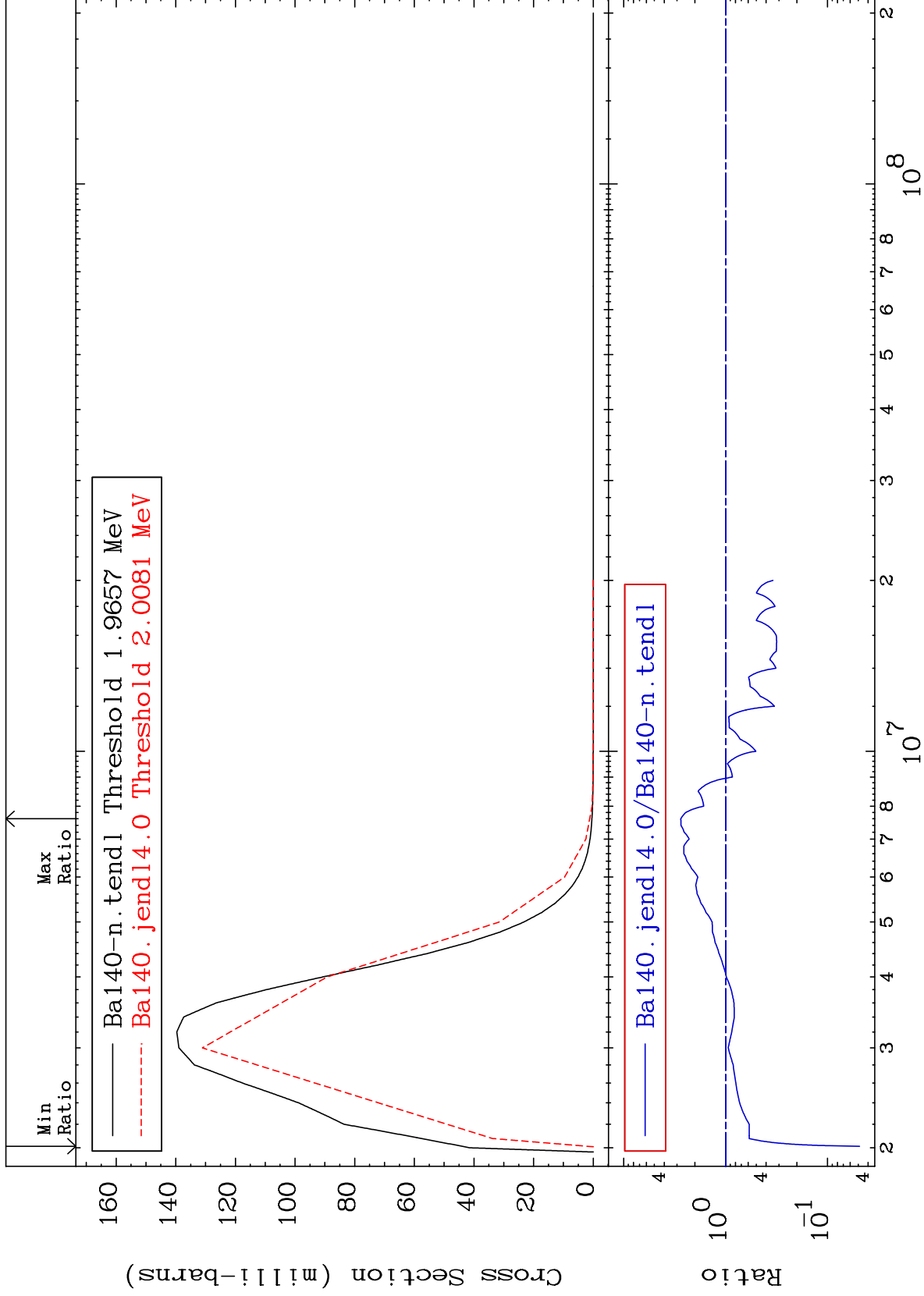
Incident Energy (eV)

56-Ba-140

MAT 5655

1.952 MeV (n,n') Level  
Cross Section

56-Ba-140  
-95.15 To 175.4 %



16

Incident Energy (eV)

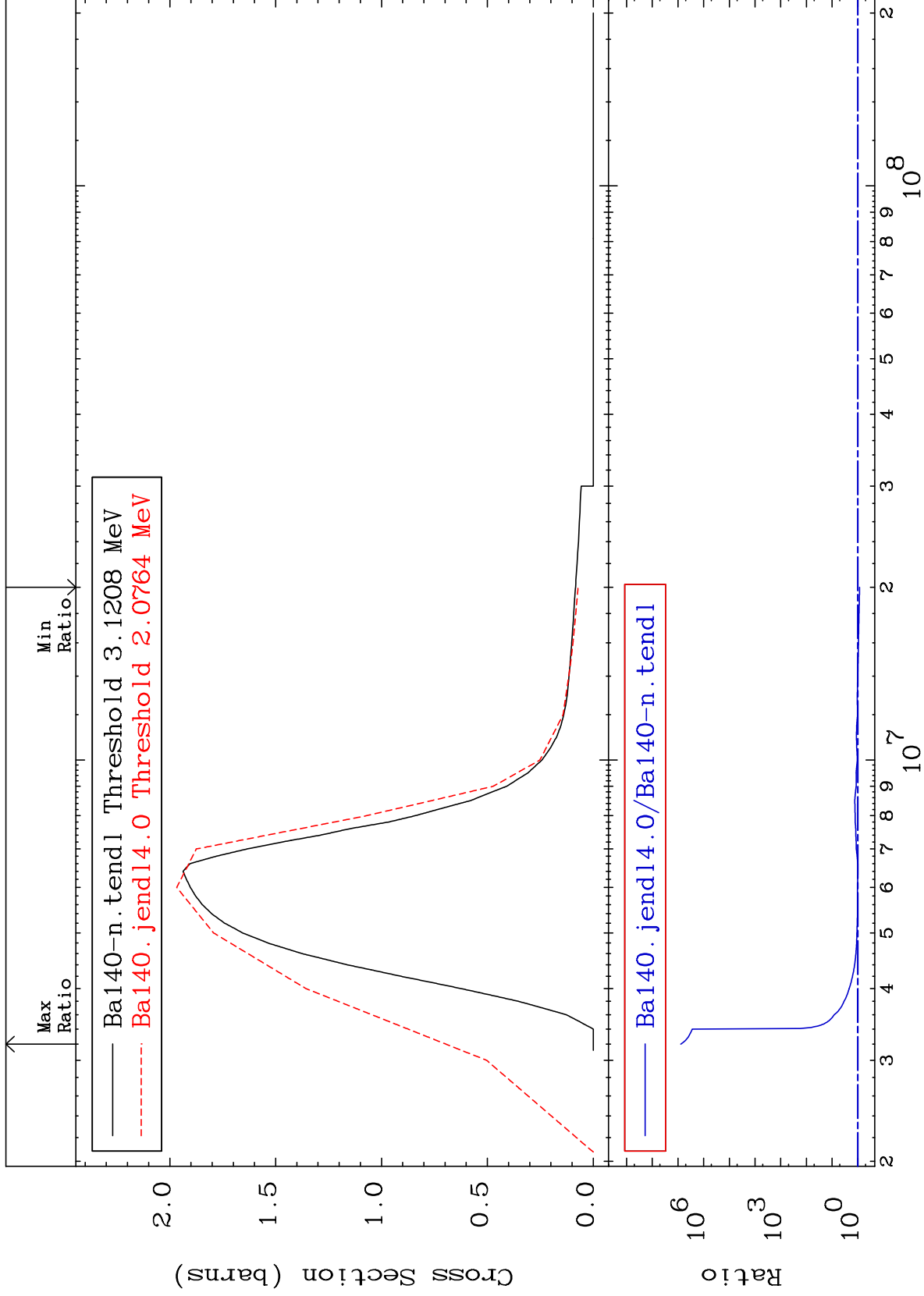
56-Ba-140



MAT 5655

(n, n') Continuum  
Cross Section

56-Ba-140  
-14.40 To 9999. %



17

Incident Energy (eV)

56-Ba-140

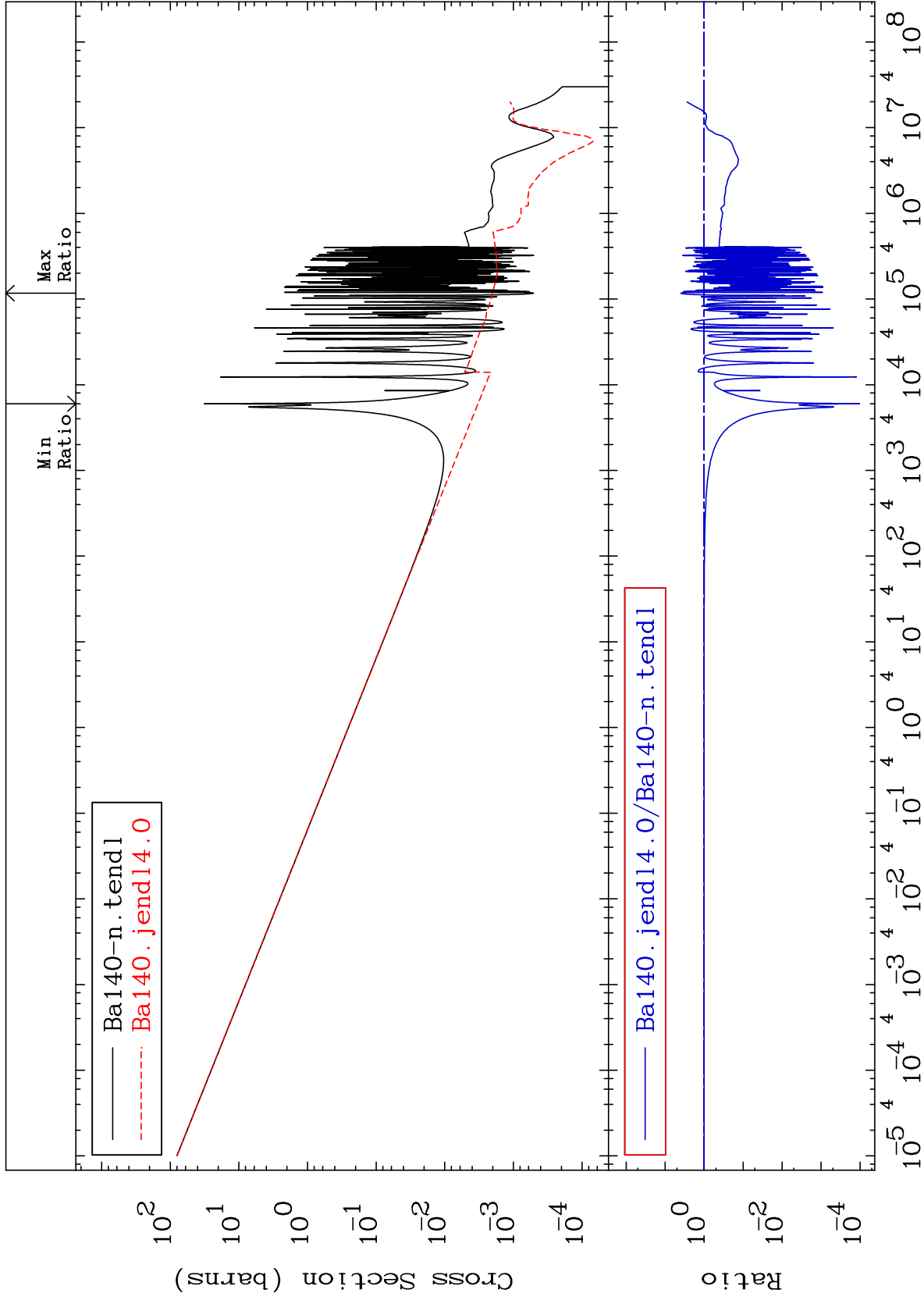
MAT 5655

56-Ba-140

(n,  $\gamma$ )

Cross Section

-99.99 To 297.5 %



18

Incident Energy (eV)

56-Ba-140

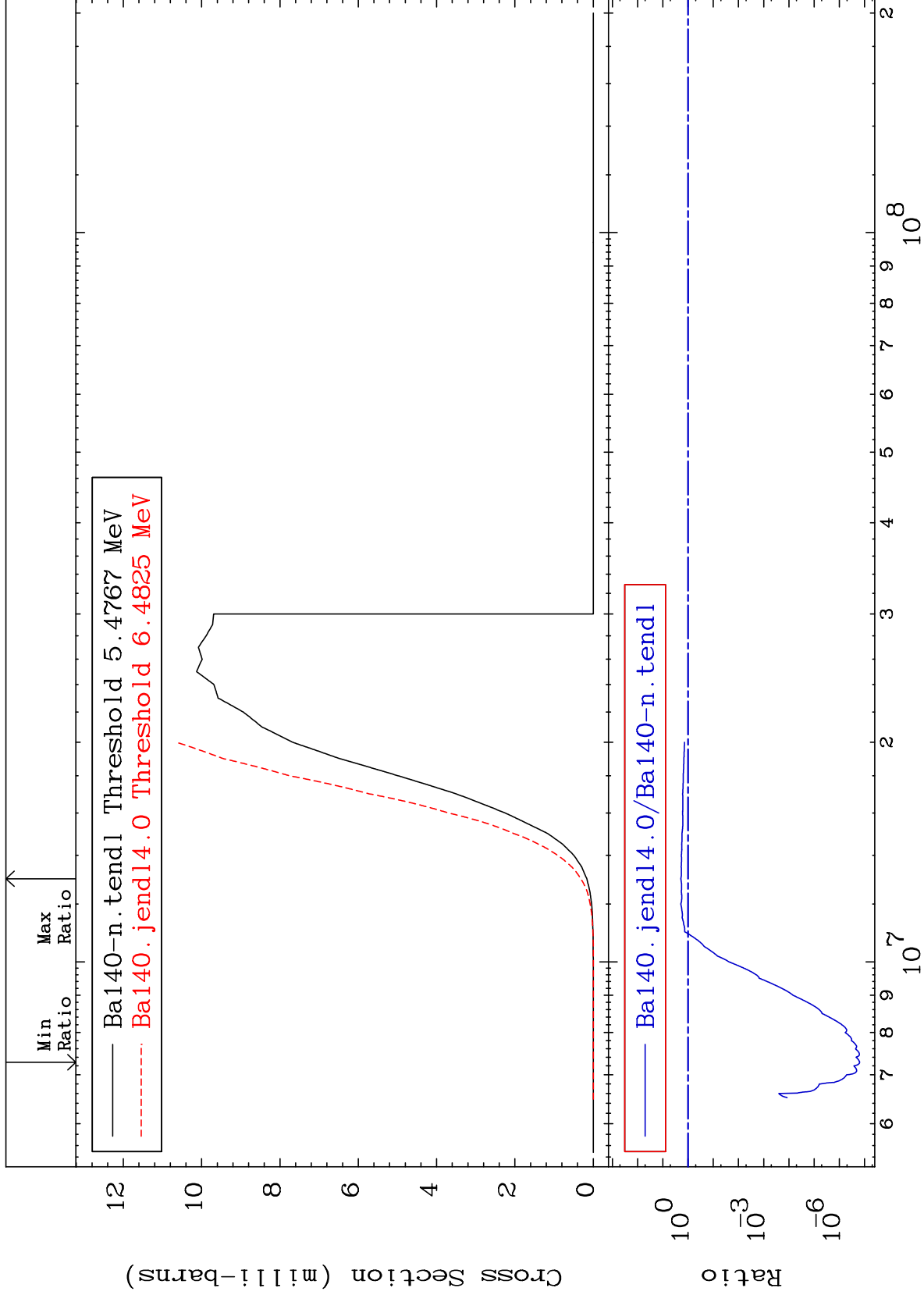
MAT 5655

(n,p)

56-Ba-140

Cross Section

-100.0 To 93.99 %



19

Incident Energy (eV)

56-Ba-140

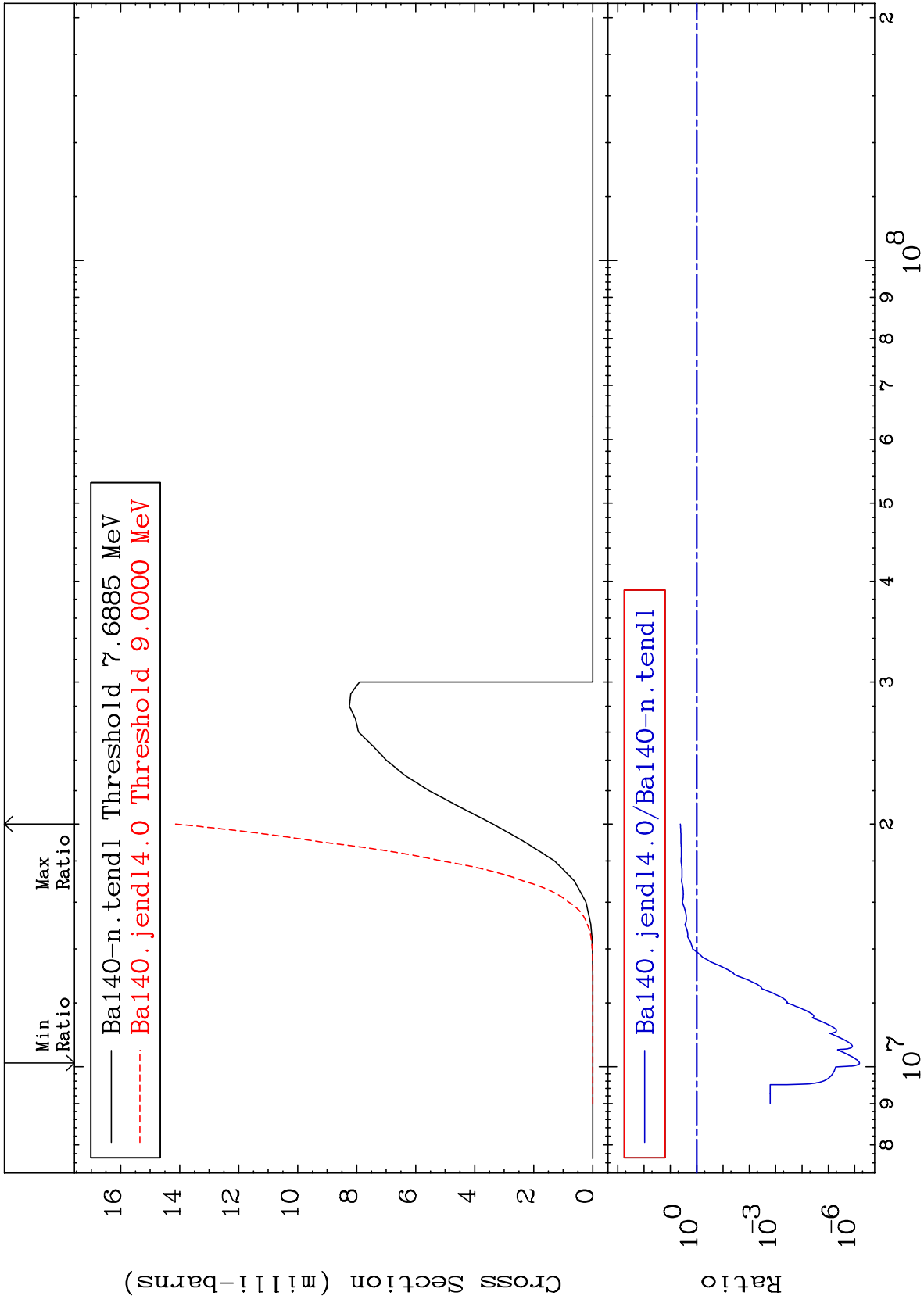
MAT 5655

(n, d)

56-Ba-140

Cross Section

-100.0 To 318.0 %



20

Incident Energy (eV)

56-Ba-140

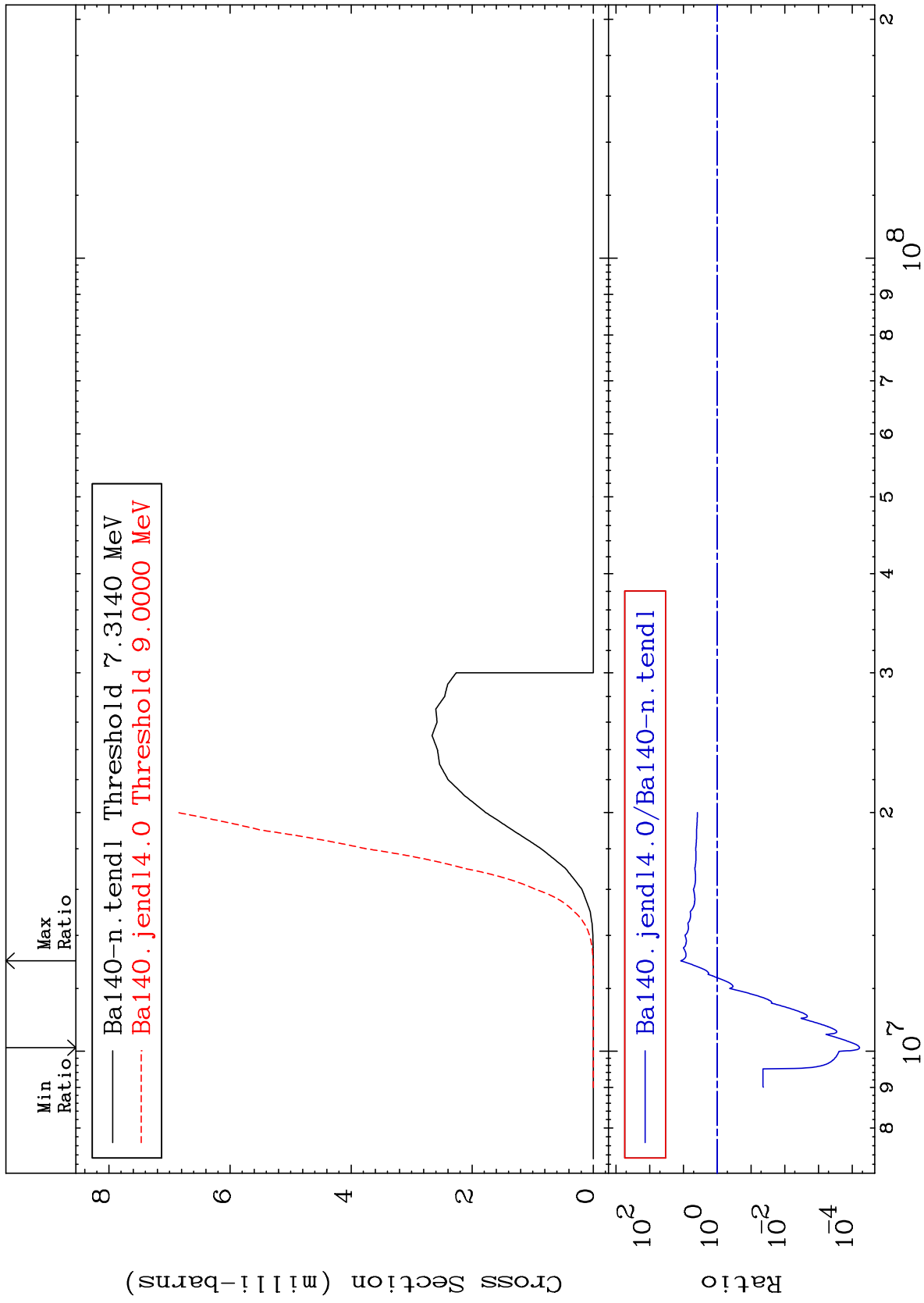
MAT 5655

(n, t)

56-Ba-140

Cross Section

-99.99 To 1106. %



21

56-Ba-140

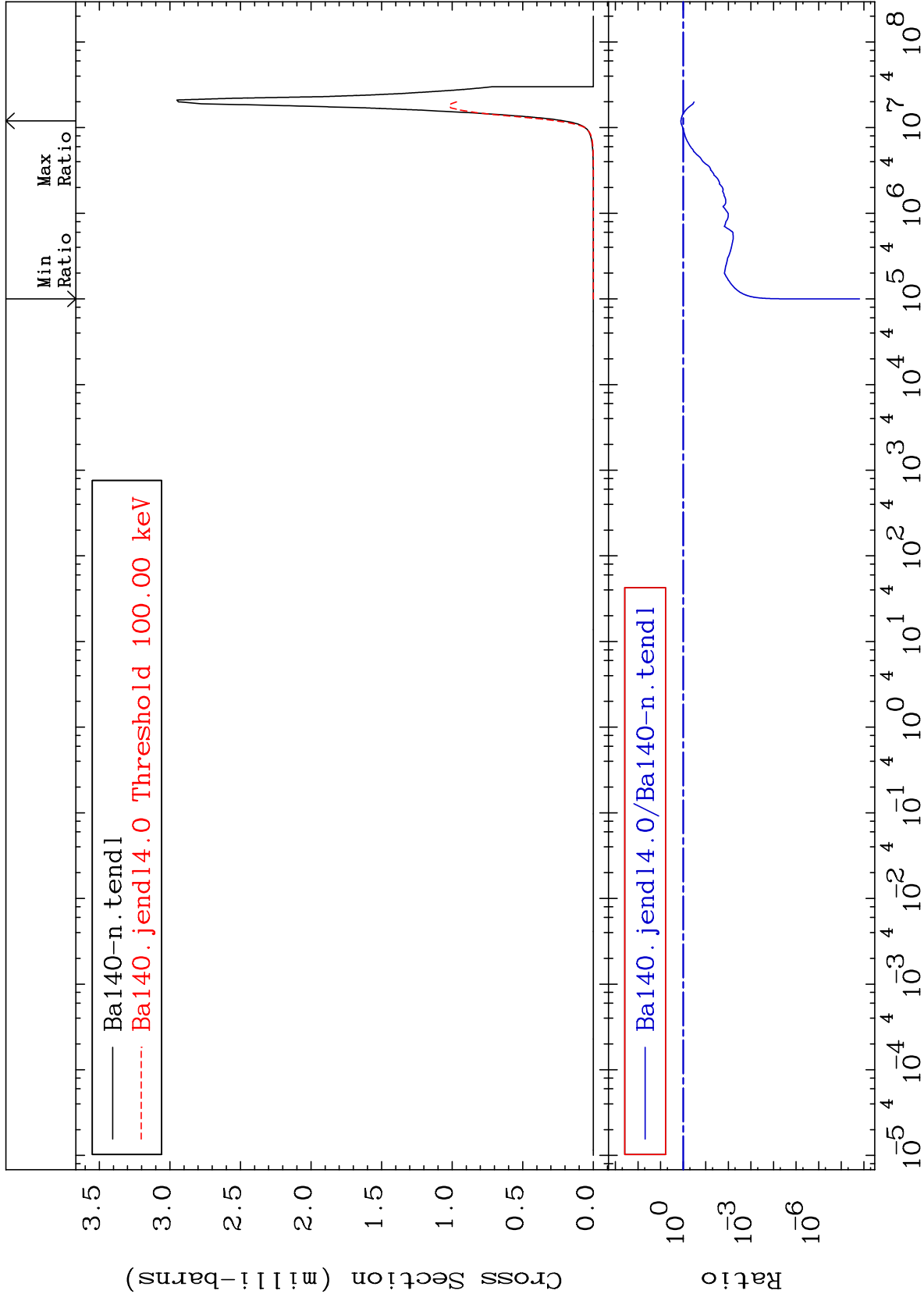
MAT 5655

(n,  $\alpha$ )

56-Ba-140

Cross Section

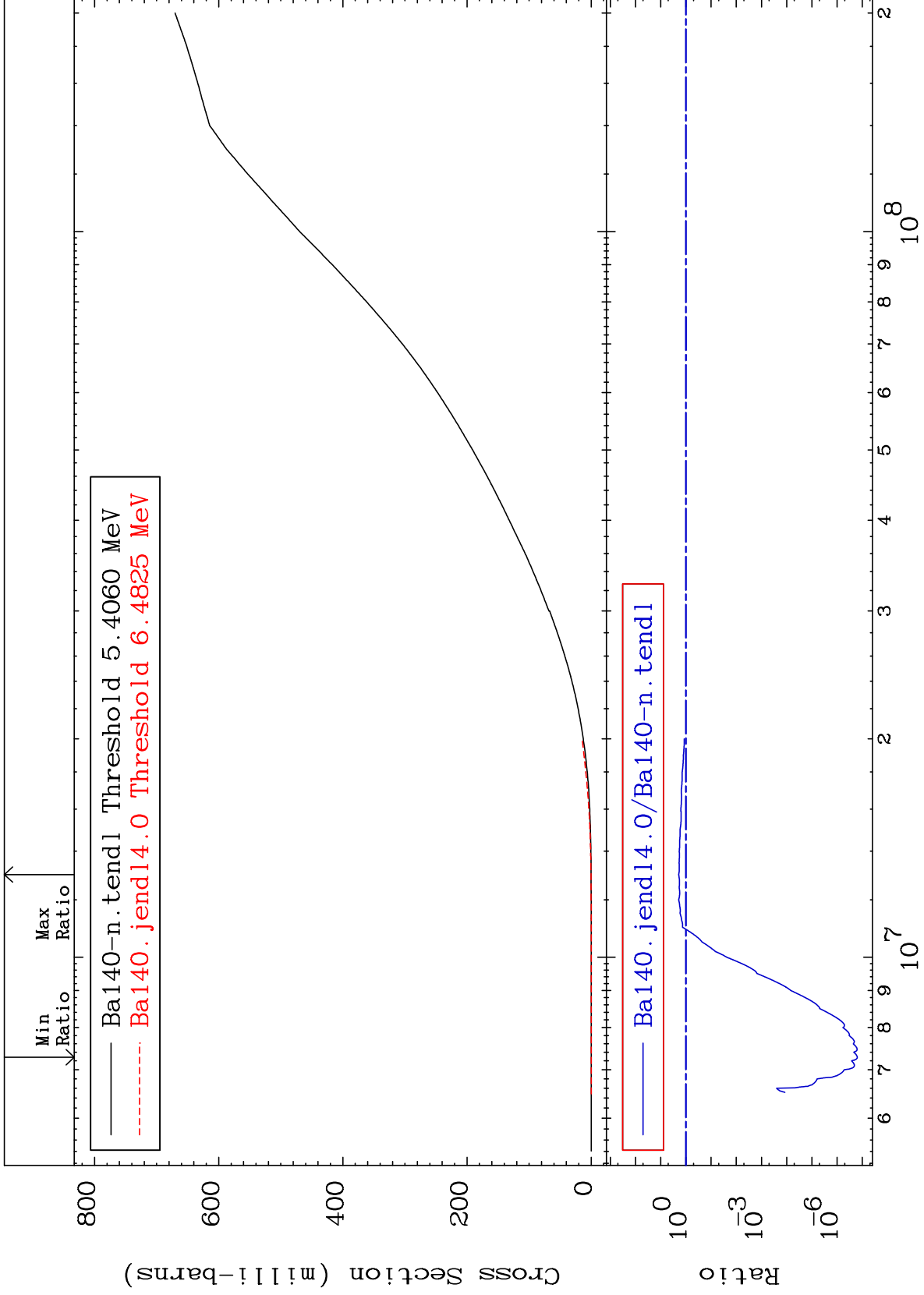
-100.0 To 27.78 %



MAT 5655

Hydrogen Production  
Cross Section

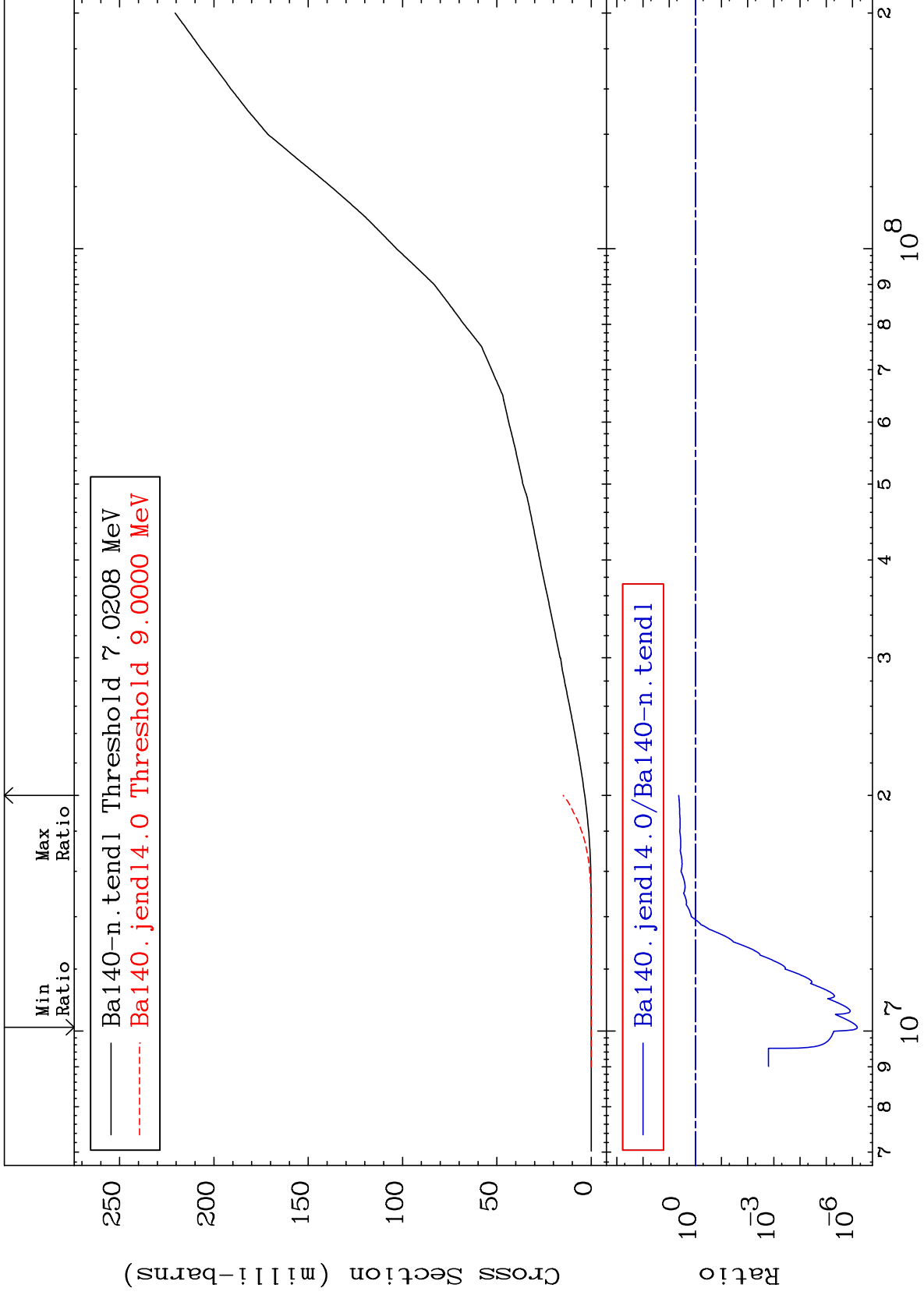
56-Ba-140  
-100.0 To 93.95 %



MAT 5655

Deuterium Production  
Cross Section

56-Ba-140  
-100.0 To 334.2 %

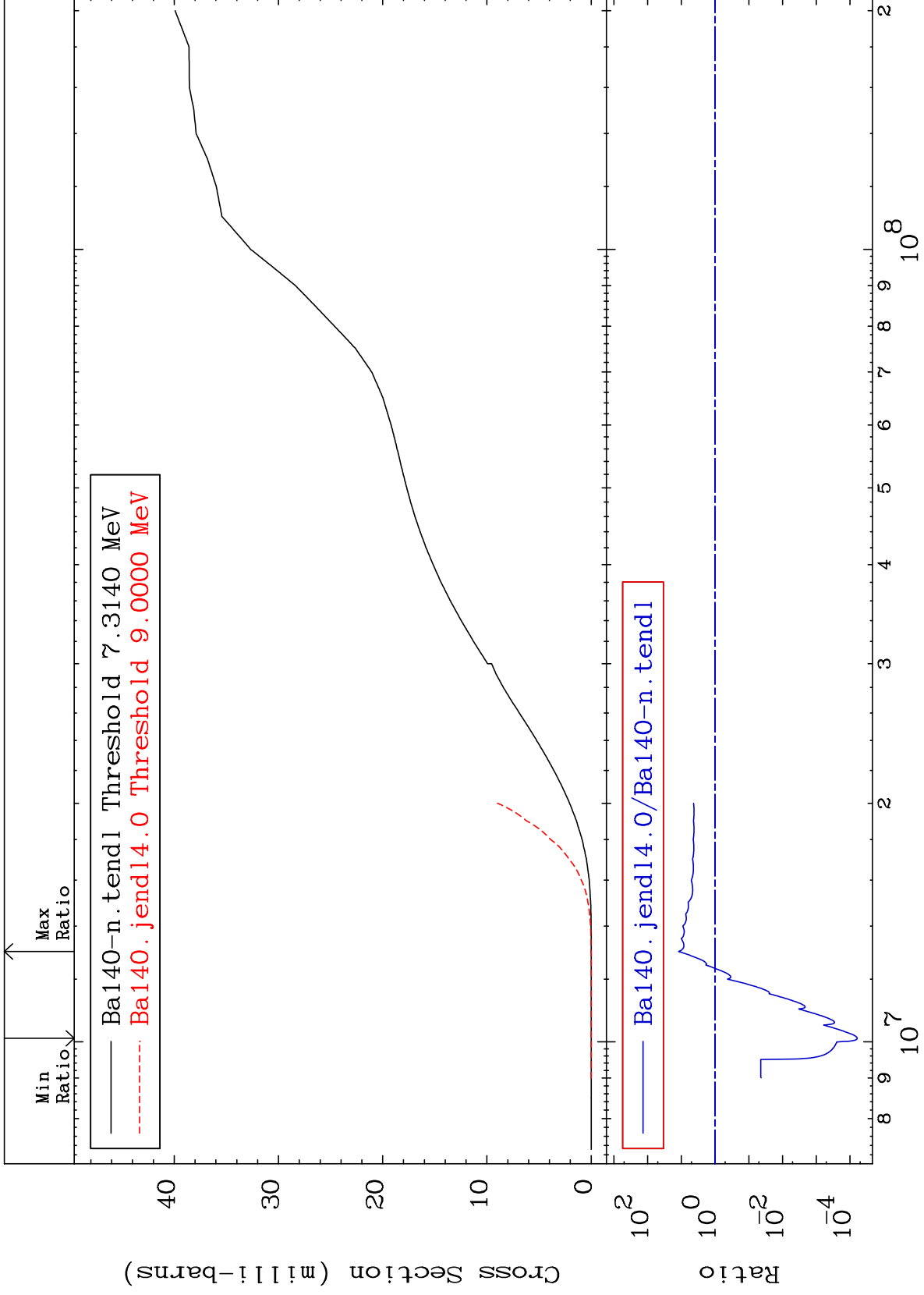




MAT 5655

Tritium Production  
Cross Section

56-Ba-140  
-99.99 To 1106. %



25

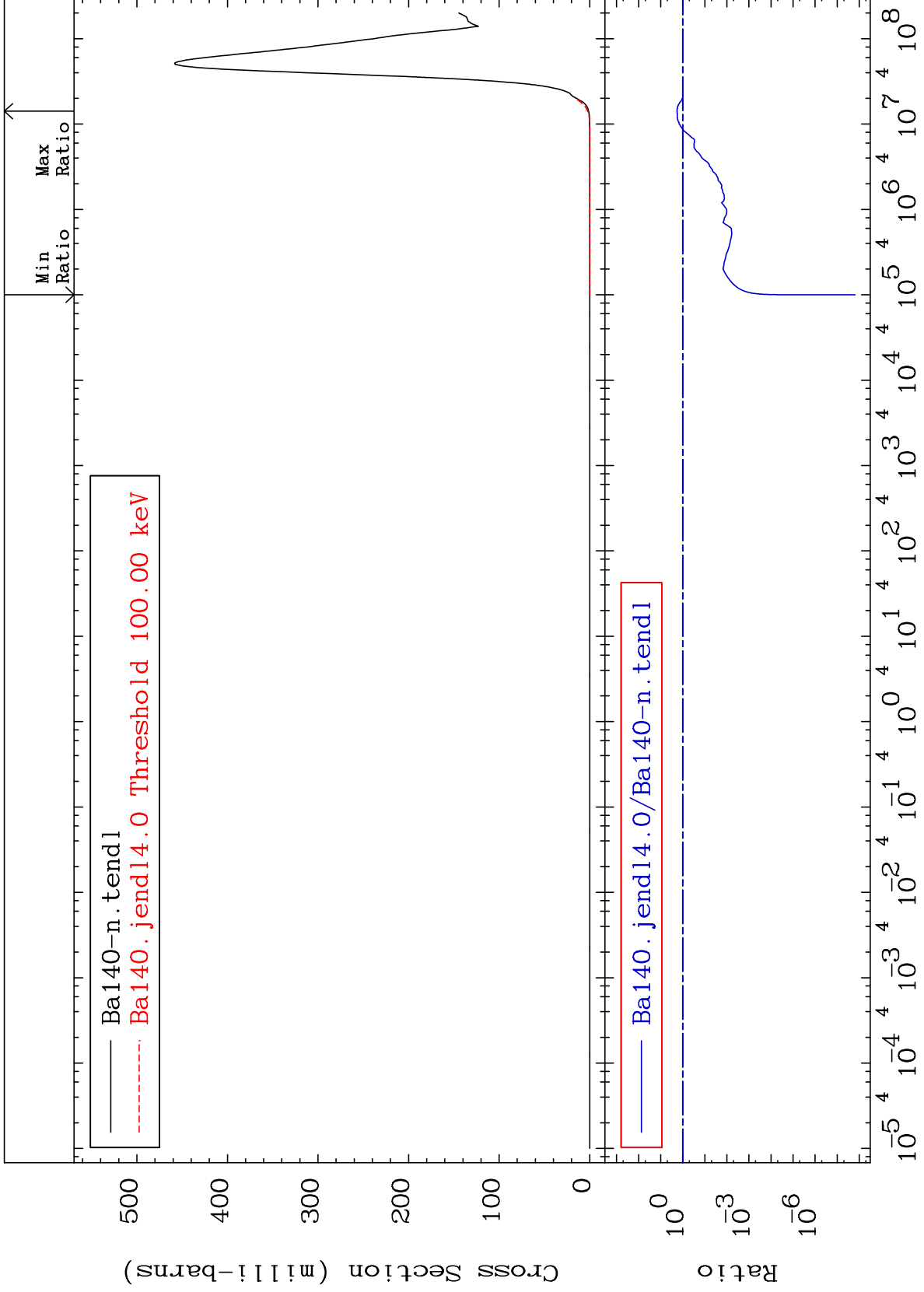
Incident Energy (eV)

56-Ba-140

MAT 5655

He-4 Production  
Cross Section

56-Ba-140  
-100.0 To 83.77 %



26

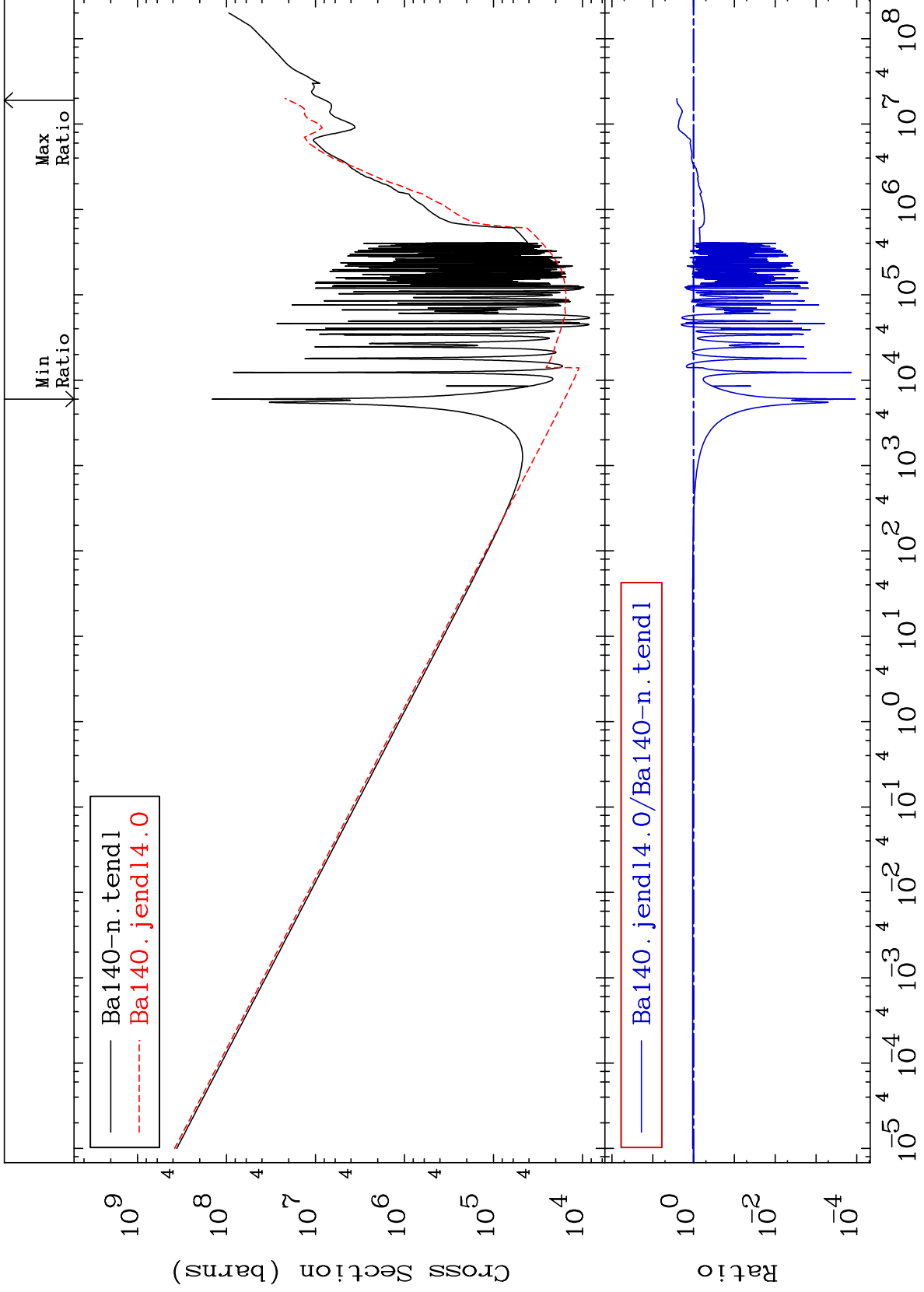
Incident Energy (eV)

56-Ba-140

MAT 5655

Kerma total (eV-barns)  
Cross Section

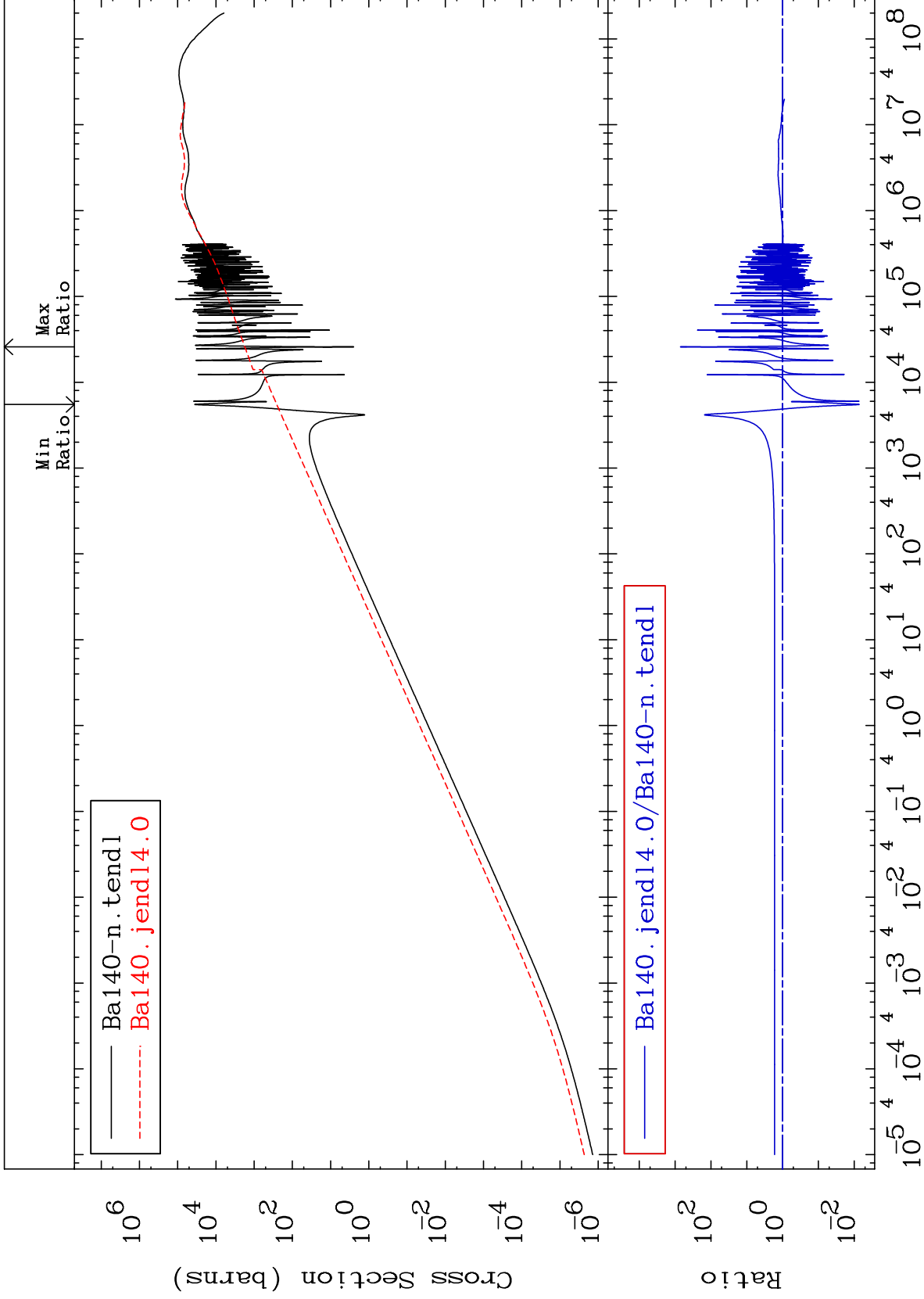
56-Ba-140  
-99.99 To 155.4 %



MAT 5655

Kerma elastic  
Cross Section

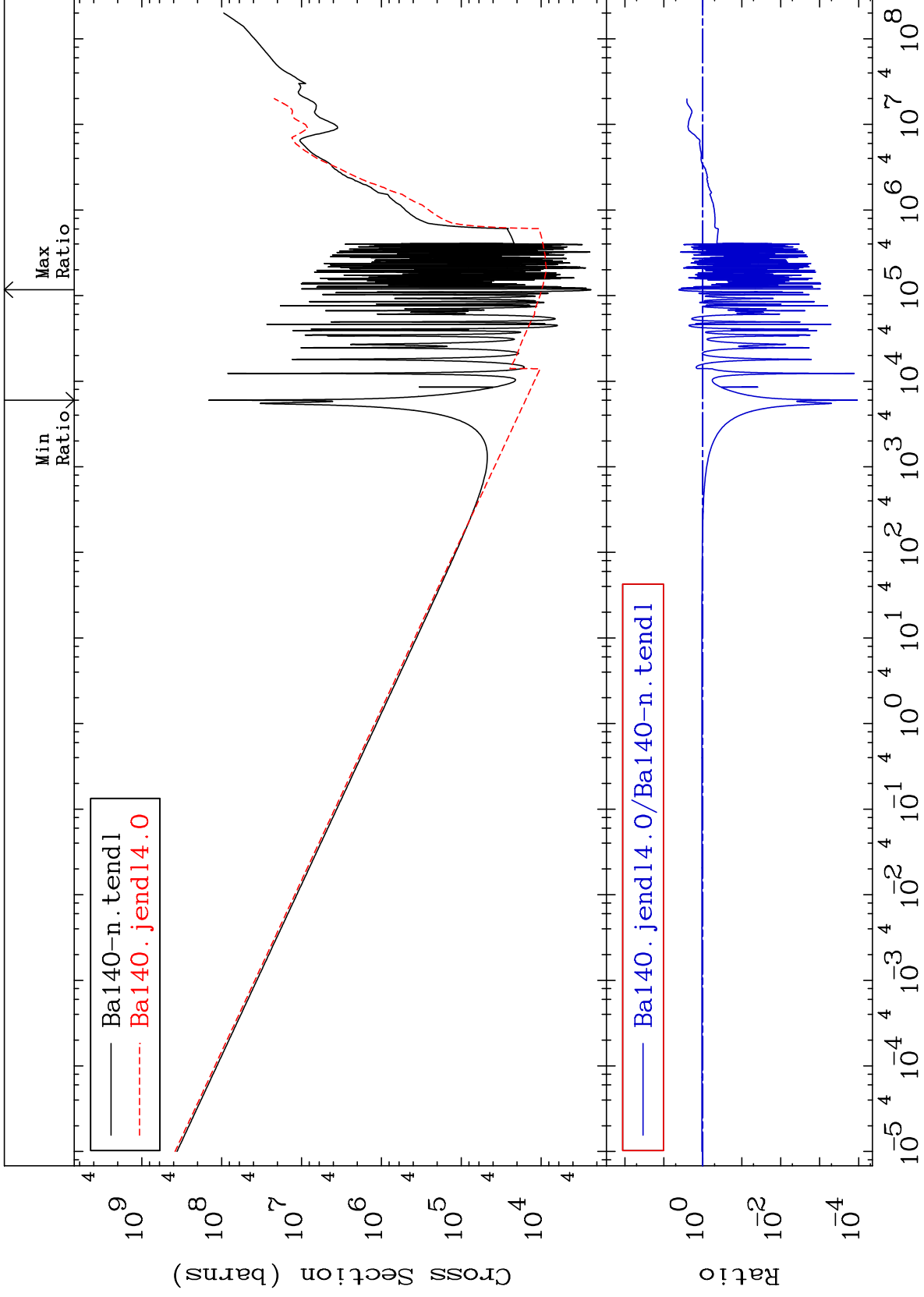
56-Ba-140  
-99.28 To 9999. %



28

Incident Energy (eV)

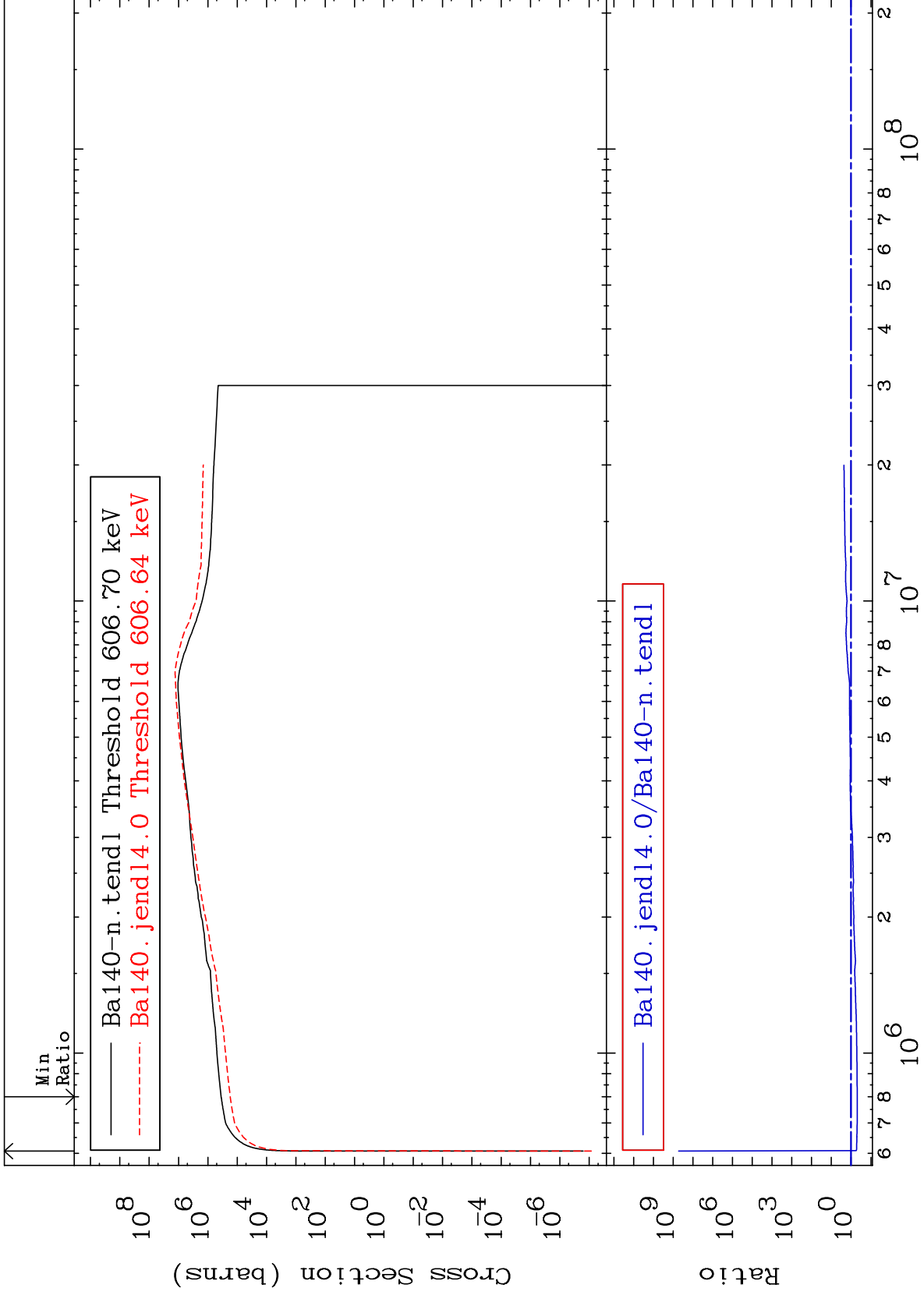
56-Ba-140



MAT 5655

Kerma inelastic (mt51-91)  
Cross Section

56-Ba-140  
-51.12 To 9999. %



30

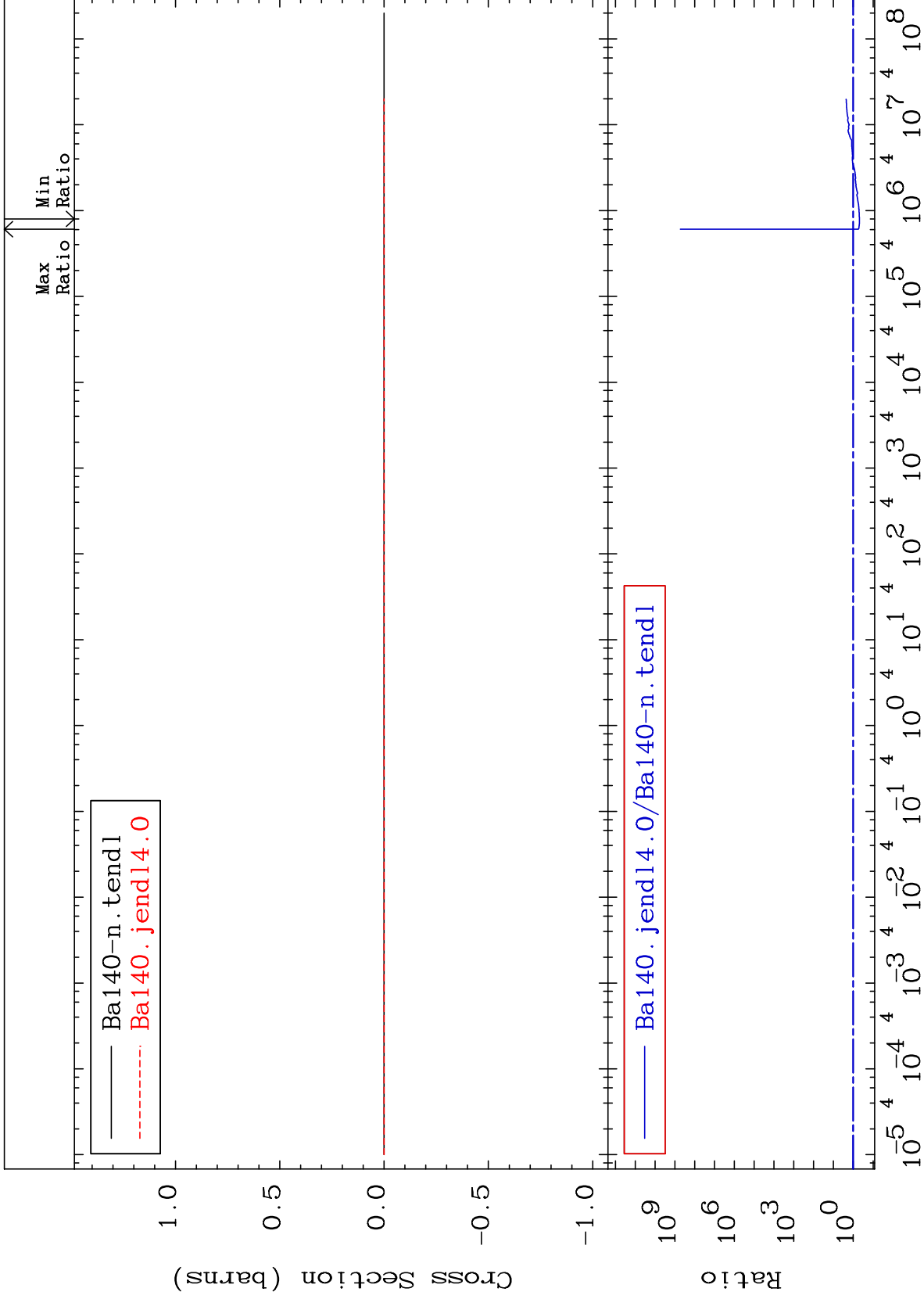
Incident Energy (eV)

56-Ba-140

MAT 5655

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

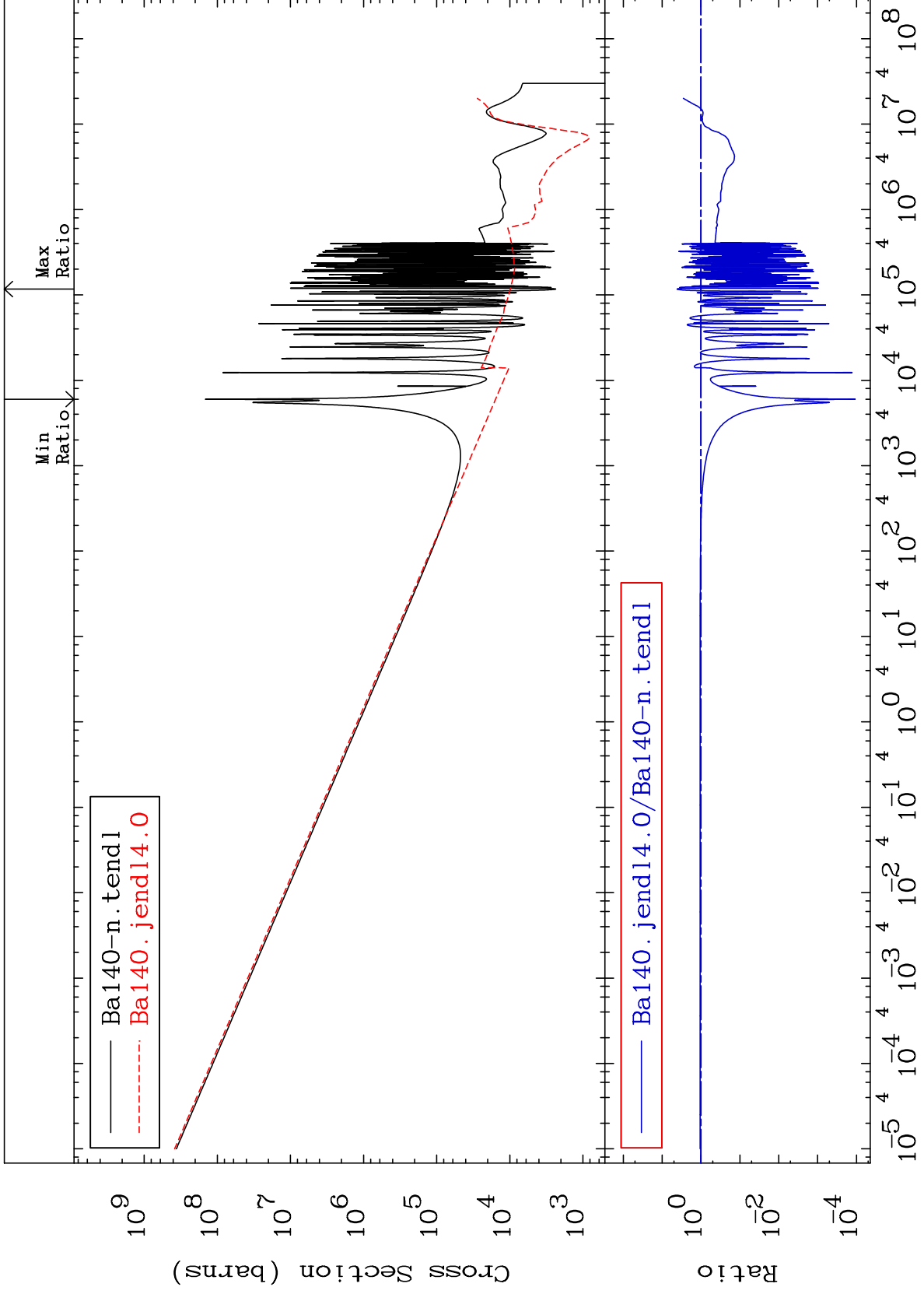
56-Ba-140  
-51.12 To 9999. %



MAT 5655

Kerma capture (mt102)  
Cross Section

56-Ba-140  
-99.99 To 317.4 %



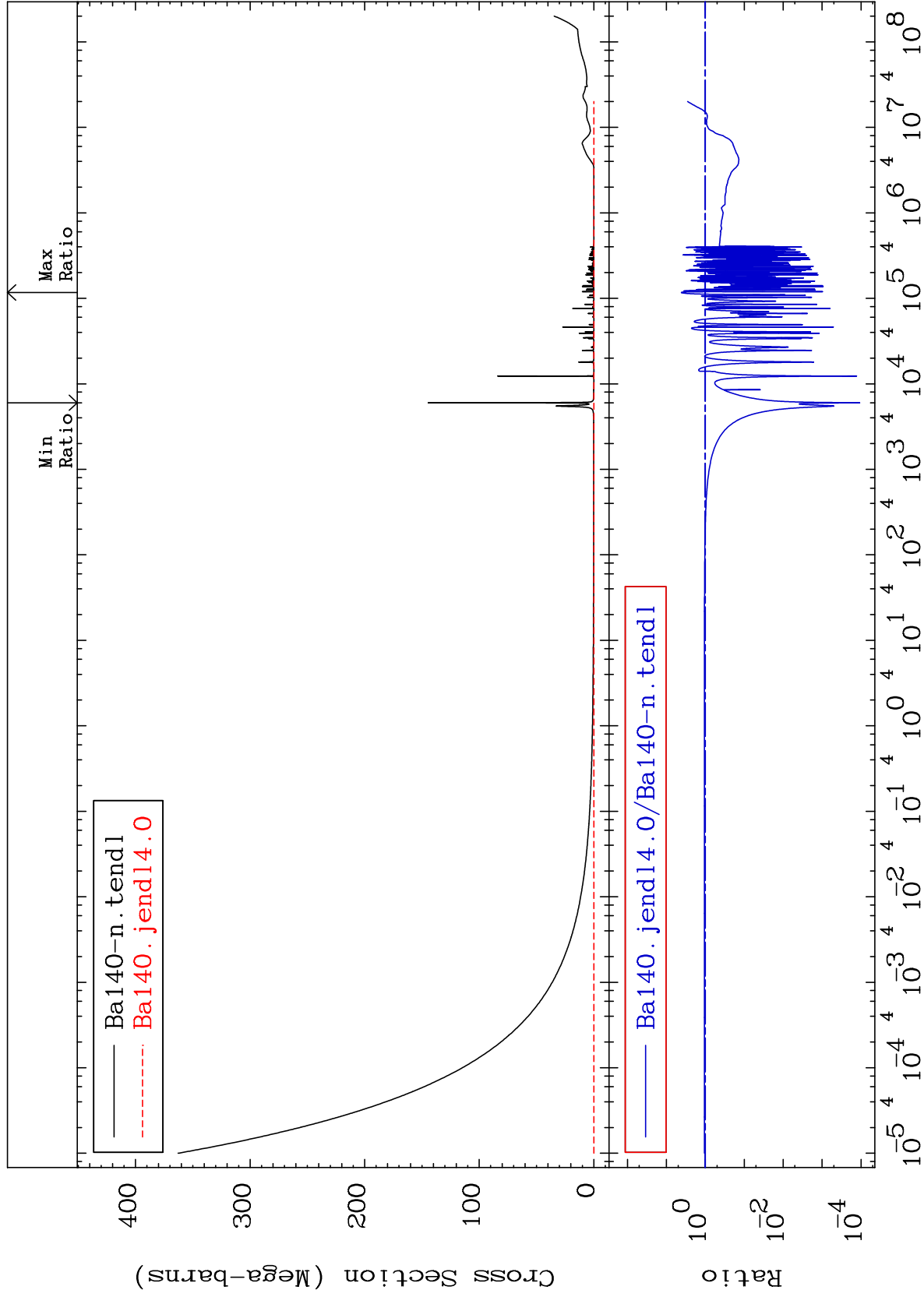


MAT 5655

Total photon (eV-barns)  
Cross Section

56-Ba-140

-99.99 To 317.4 %



33

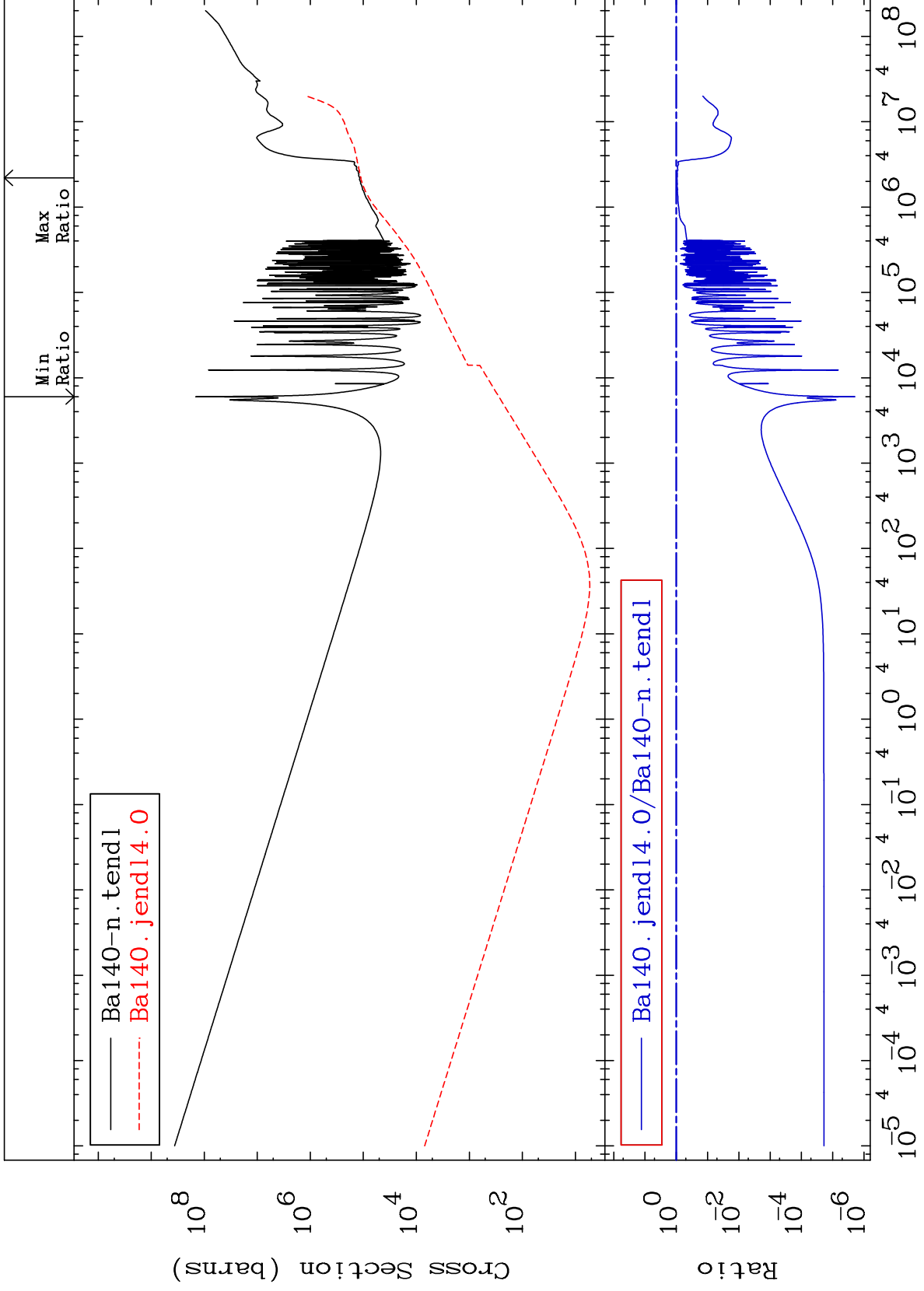
Incident Energy (eV)

56-Ba-140

MAT 5655

Total kinematic kerma (high limit)  
Cross Section

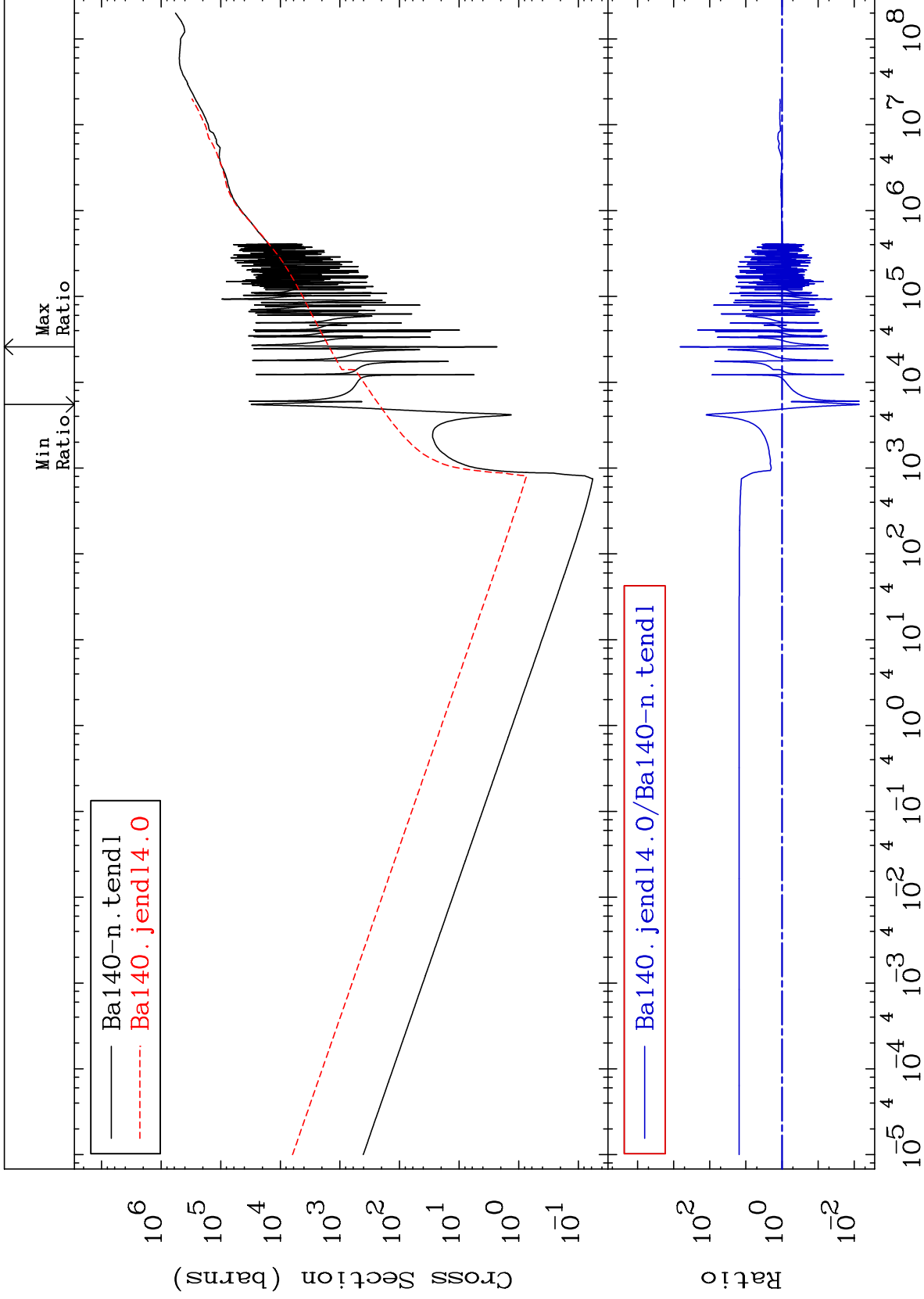
56-Ba-140  
-100.0 To -4.389%



MAT 5655

Dpa total (eV-barns)  
Cross Section

56-Ba-140  
-99.29 To 9999. %



35

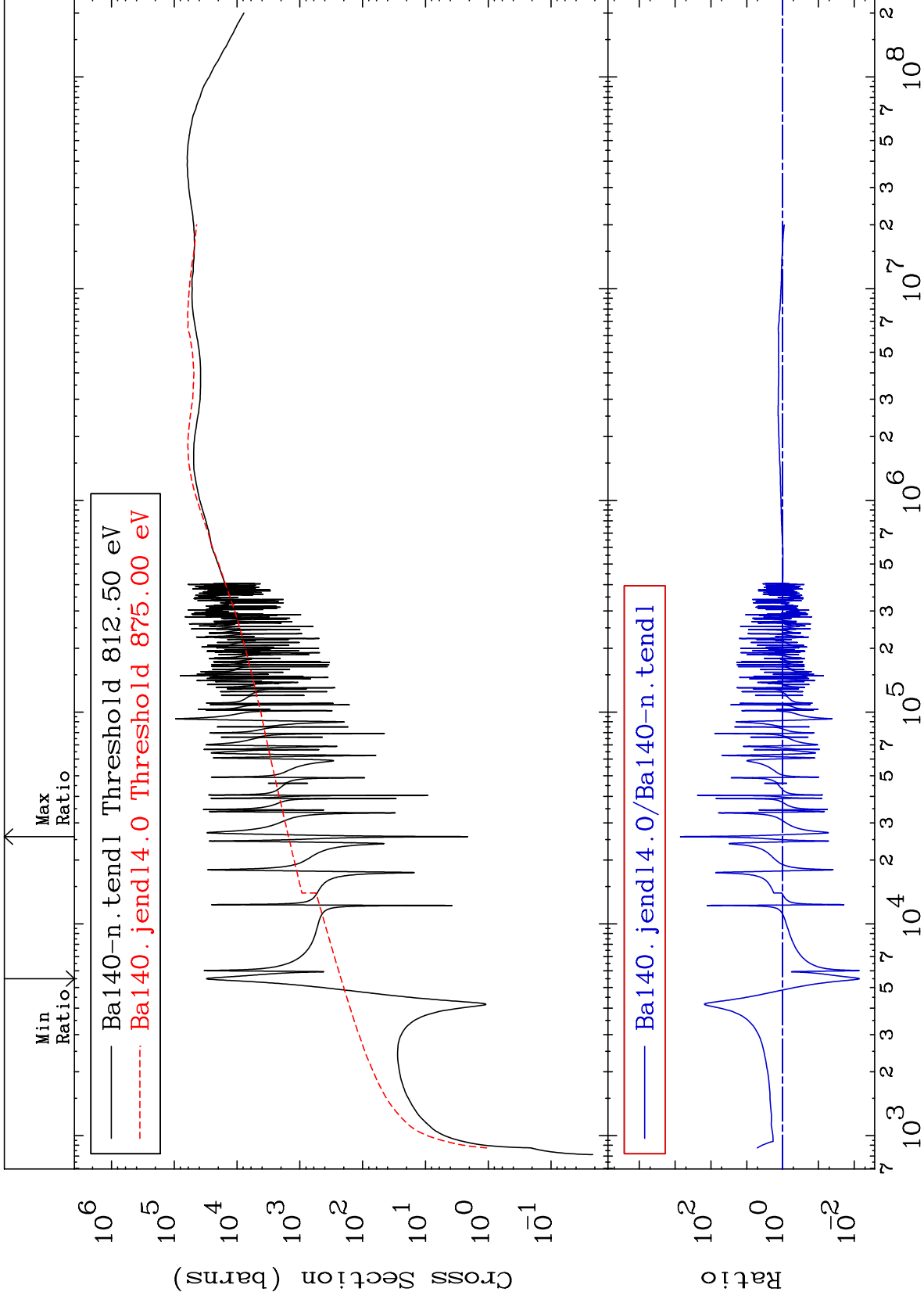
Incident Energy (eV)

56-Ba-140

MAT 5655

Dpa elastic (mt2)  
Cross Section

56-Ba-140  
-99.29 To 9999. %



36

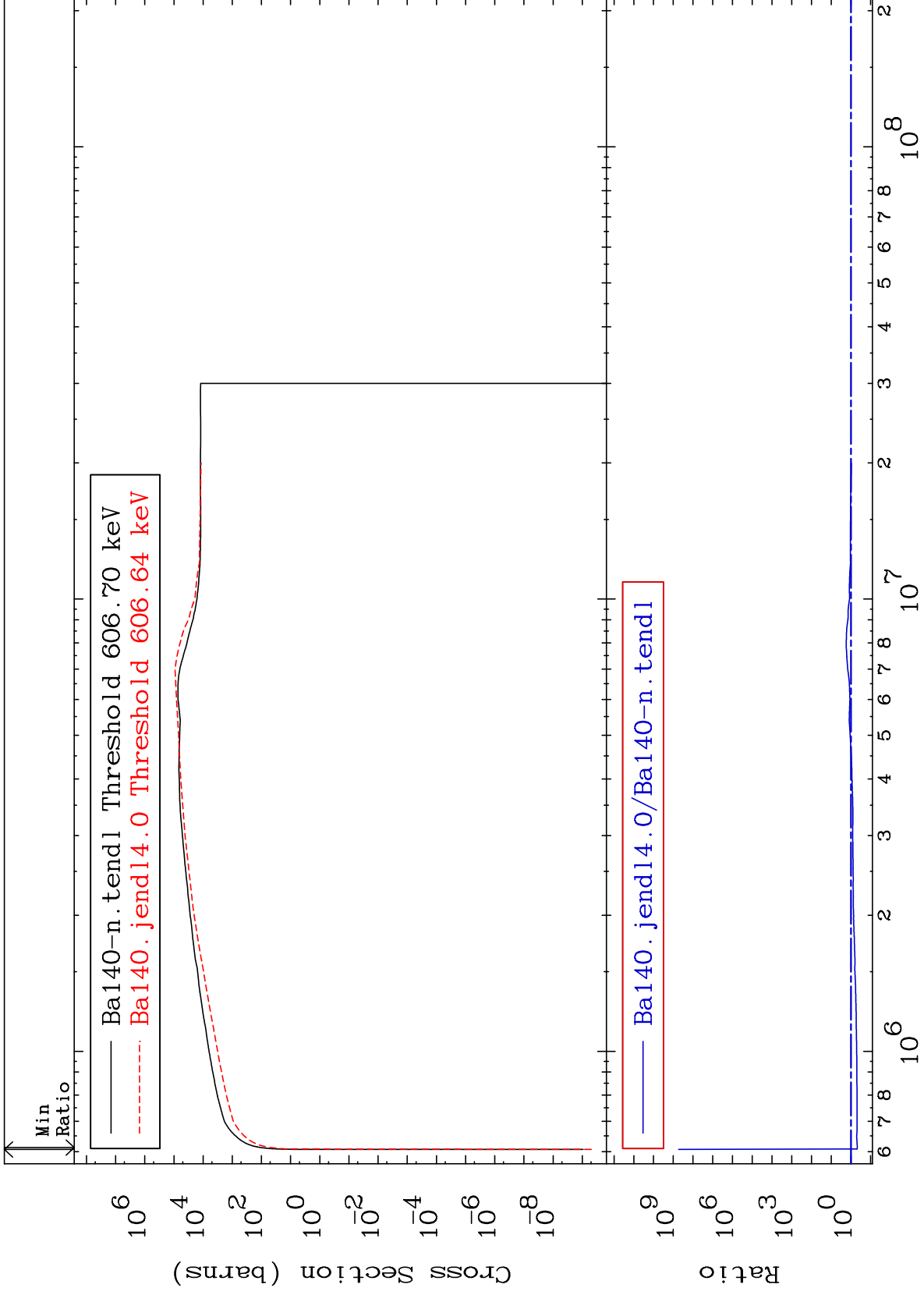
Incident Energy (eV)

56-Ba-140

MAT 5655

Dpa inelastic (mt51-91)  
Cross Section

56-Ba-140  
-52.27 To 9999. %



37

56-Ba-140

MAT 5655

Dpa disappearance (mt102 -120)  
Cross Section

56-Ba-140  
-99.77 To 9999. %

