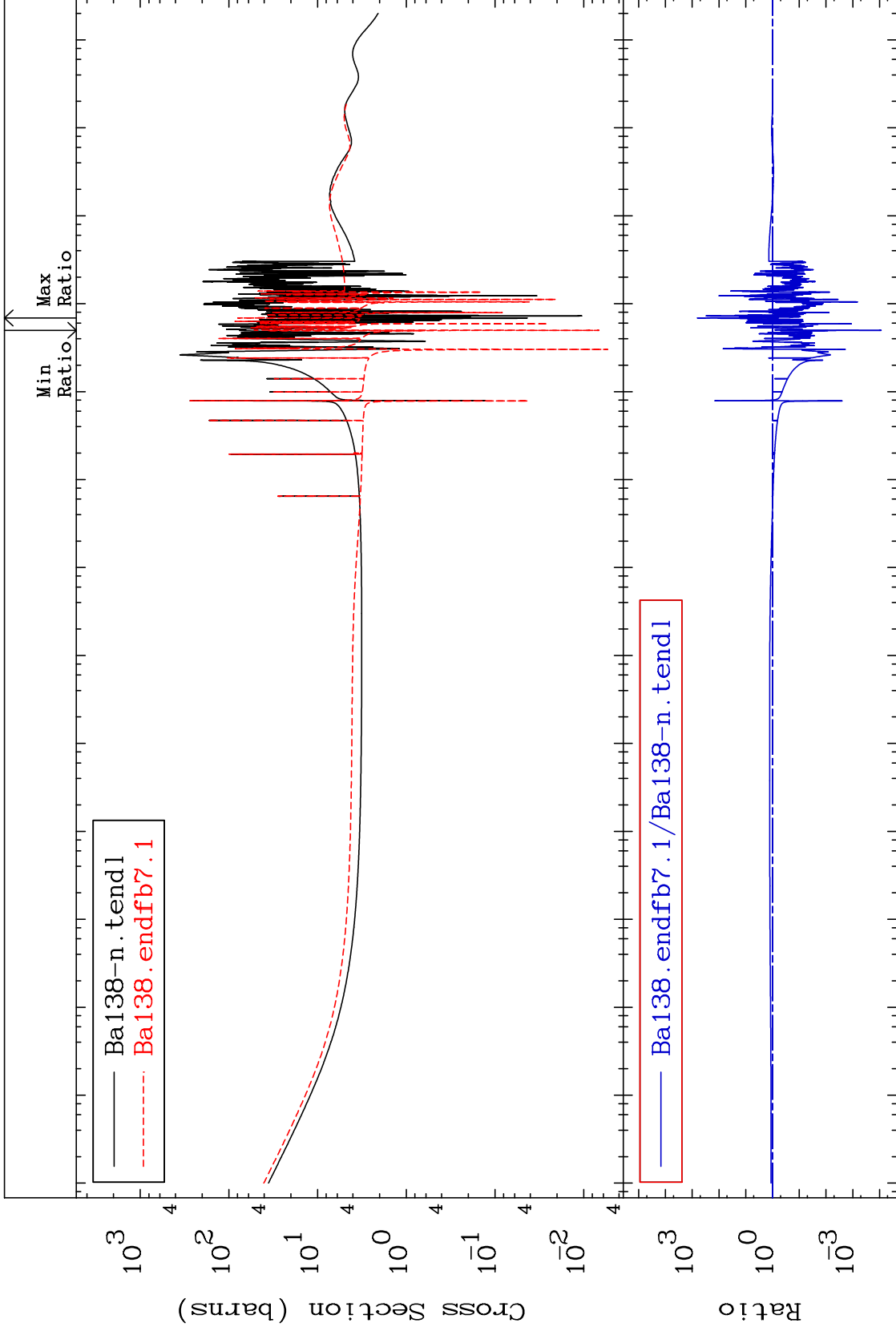


MAT 5649

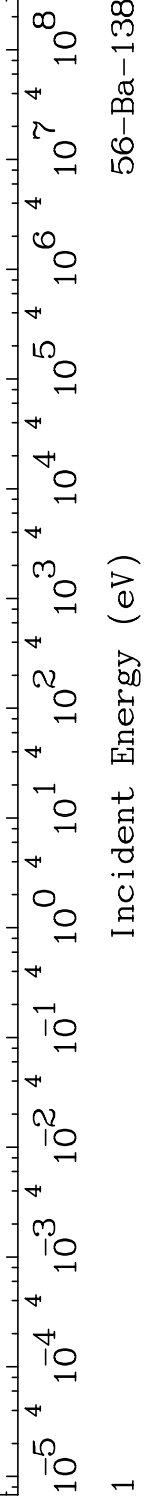
Total
Cross Section

56-Ba-138
-99.99 To 9999. %



— Ba138-n.tendl
- - - Ba138.endfb7.1

— Ba138.endfb7.1/Ba138-n.tendl



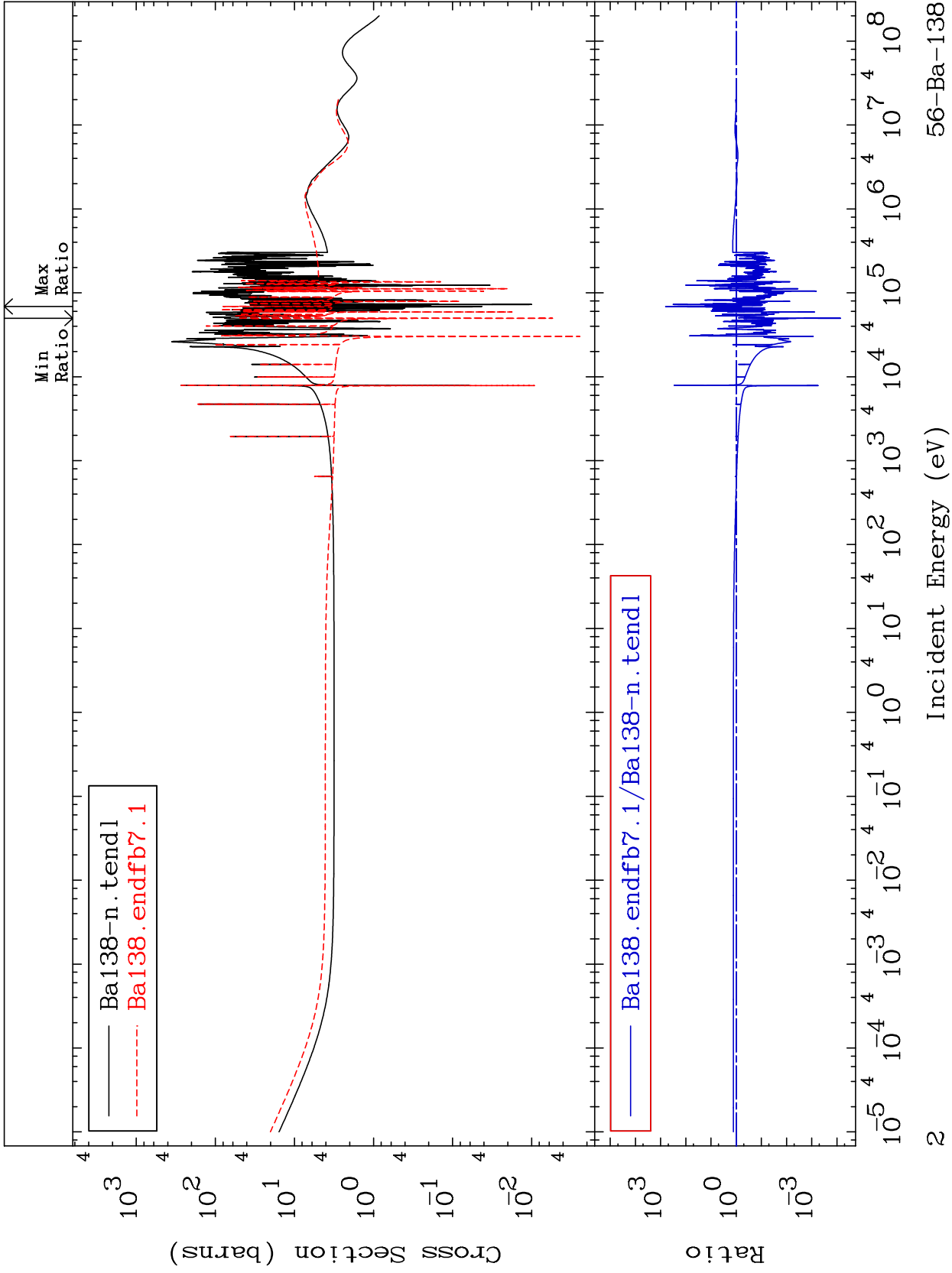
Incident Energy (eV)

56-Ba-138

MAT 5649

Elastic
Cross Section

56-Ba-138
-99.99 To 9999. %

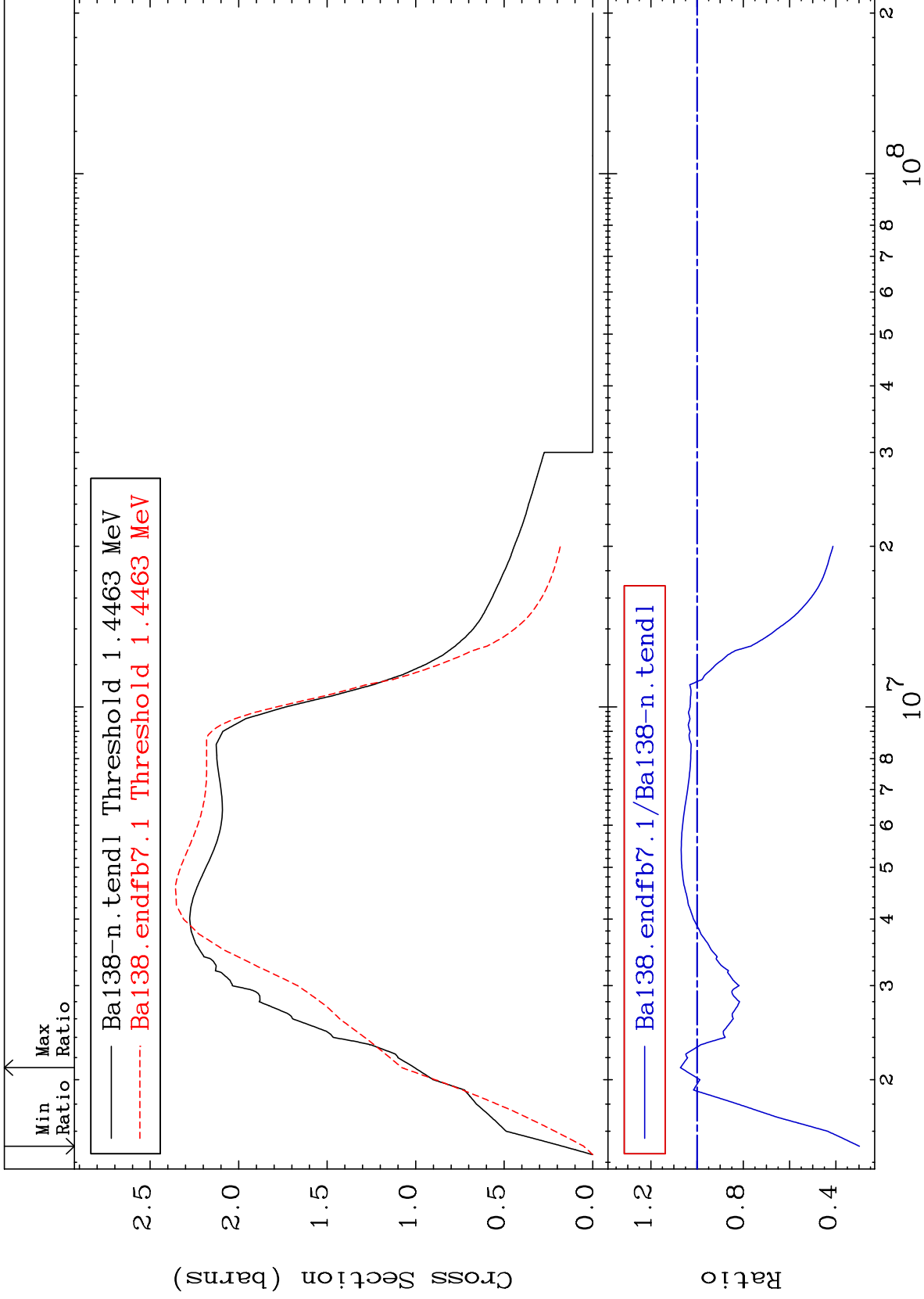


56-Ba-138

MAT 5649

Inelastic
Cross Section

56-Ba-138
-70.18 To 7.227 %



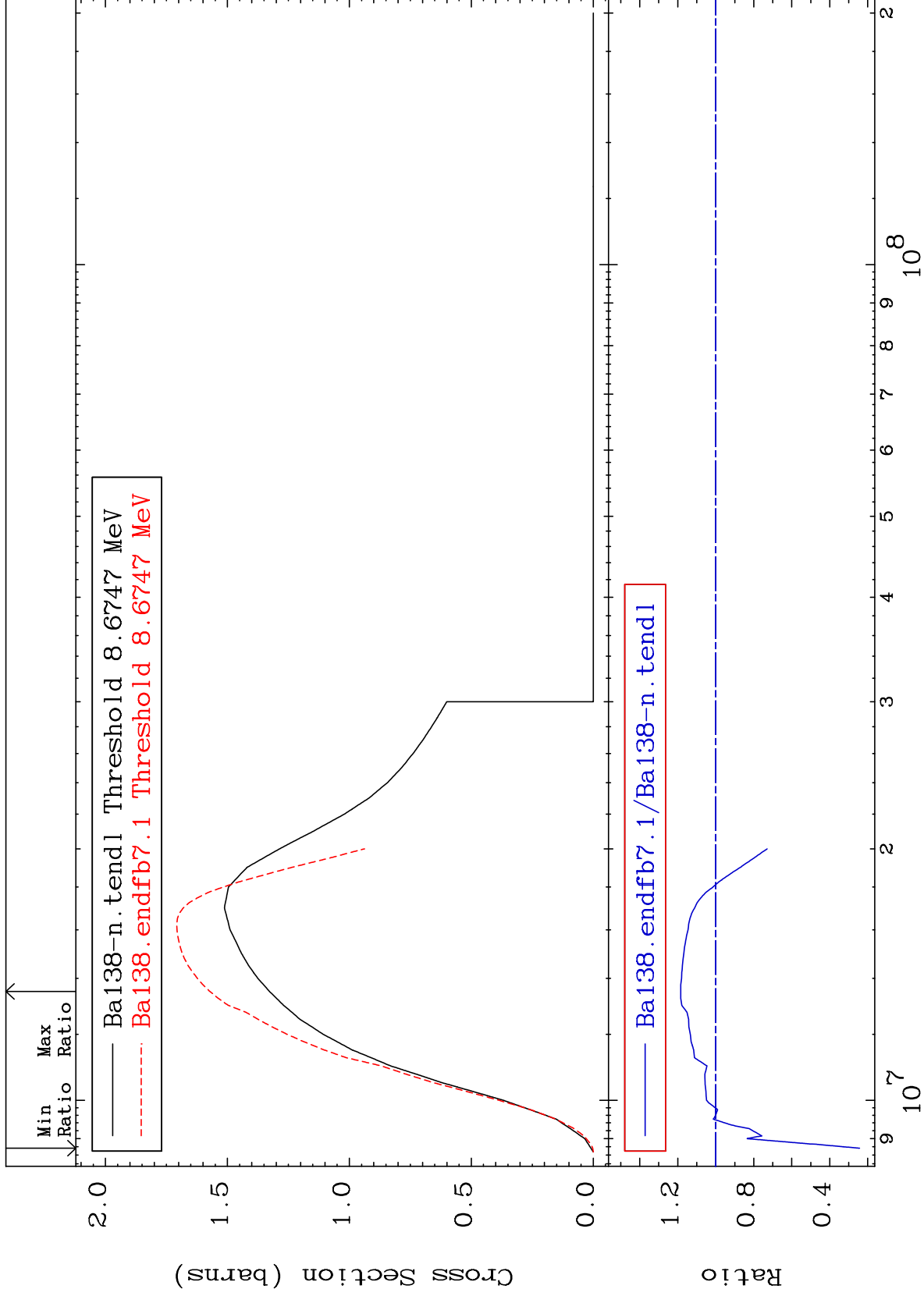
MAT 5649

(n,2n)

56-Ba-138

Cross Section

-75.68 To 18.41 %



4

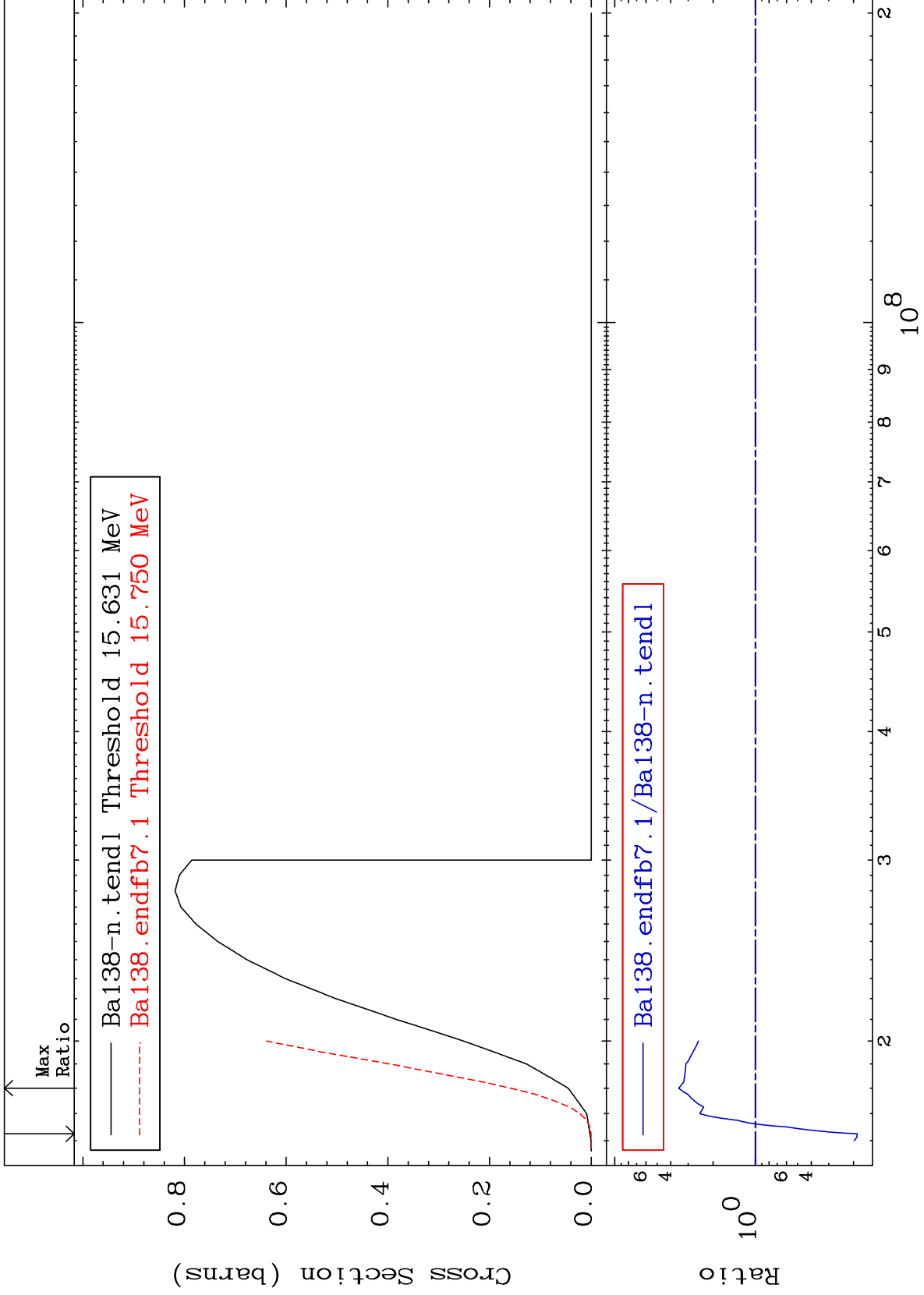
Incident Energy (eV)

56-Ba-138

MAT 5649

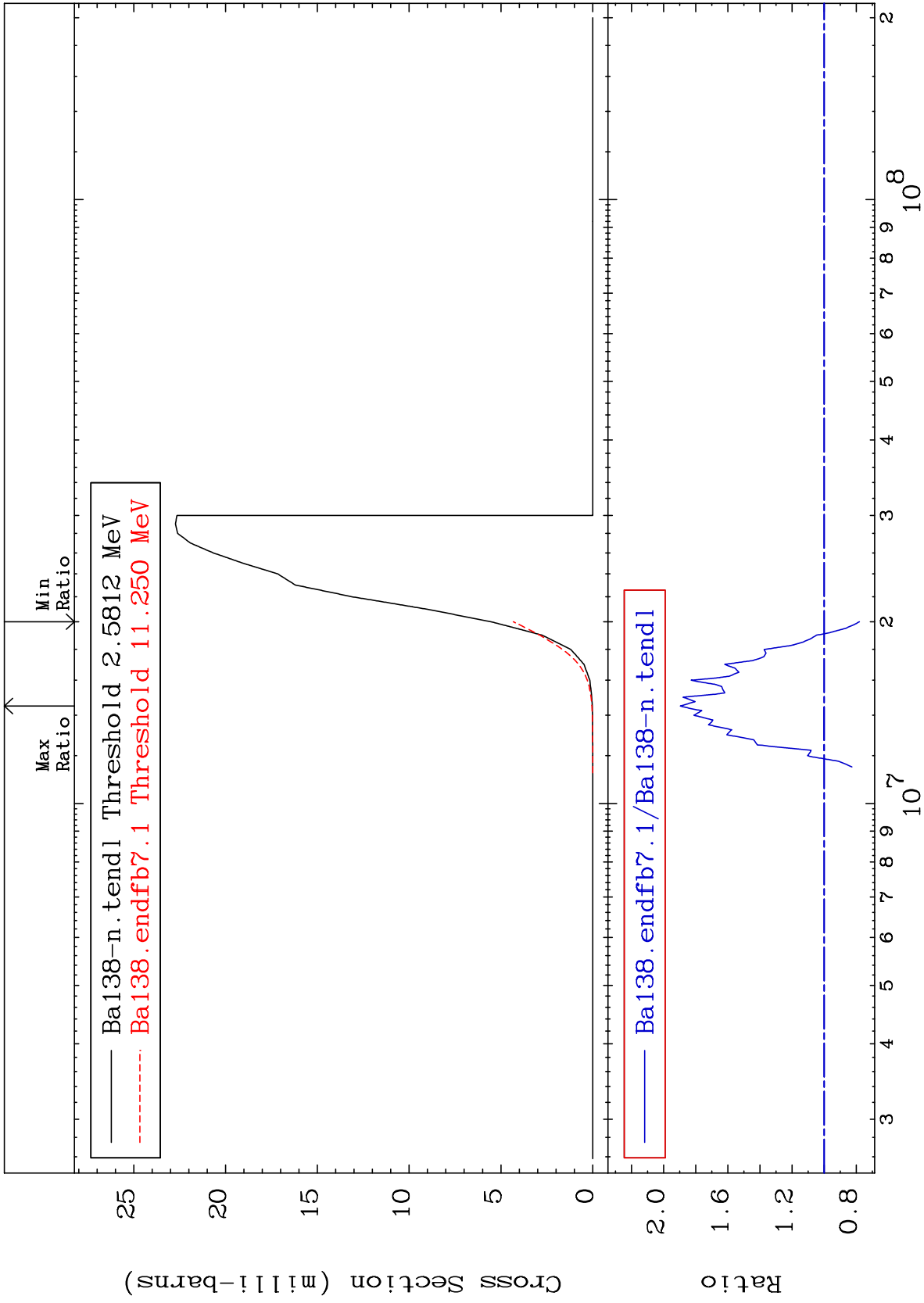
(n,3n)
Cross Section

56-Ba-138
-81.16 To 251.2 %



MAT 5649

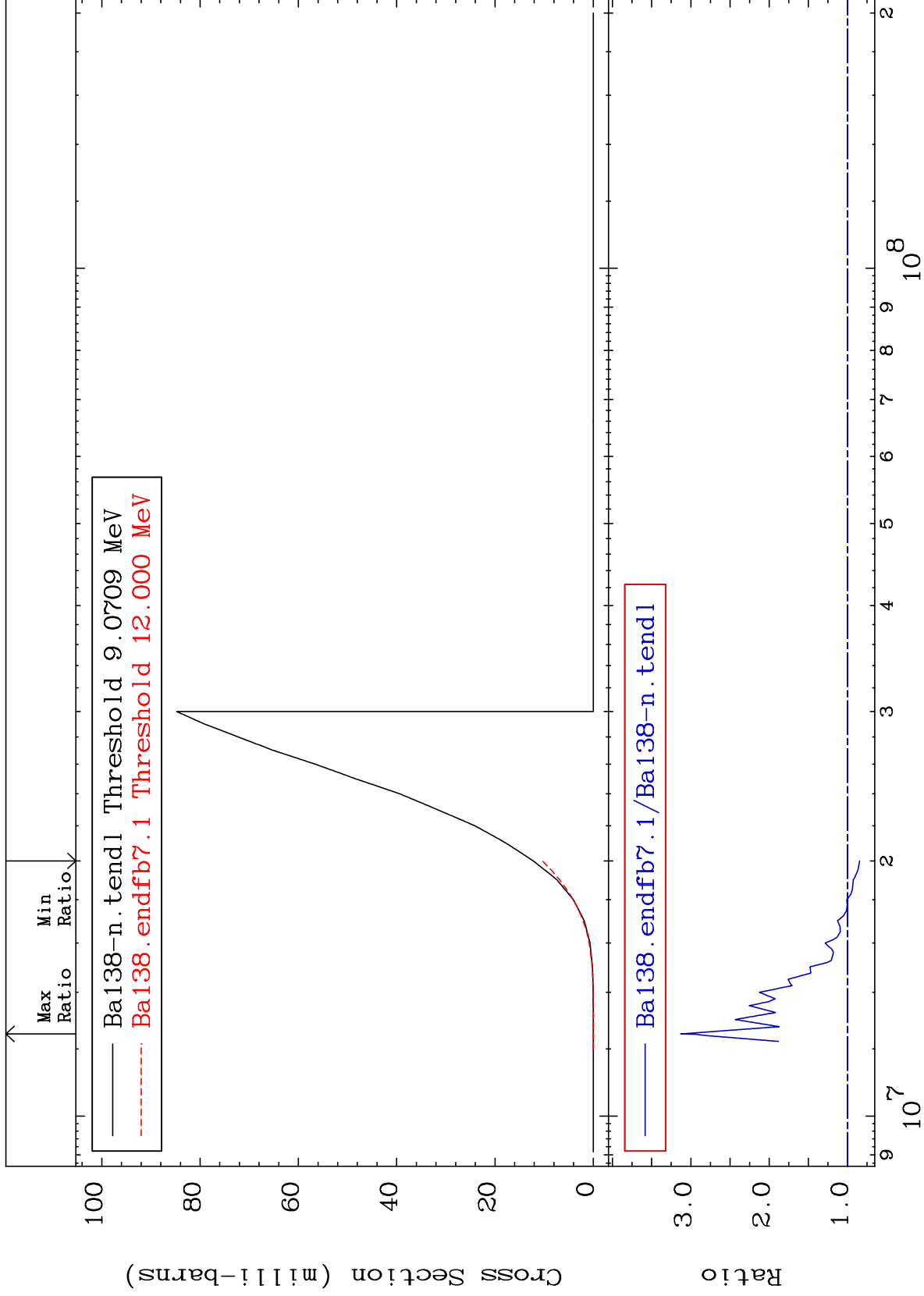
(n, n') α
Cross Section
56-Ba-138
-22.01 To 89.58 %



MAT 5649

(n,n') p
Cross Section

56-Ba-138
-15.35 To 212.8 %



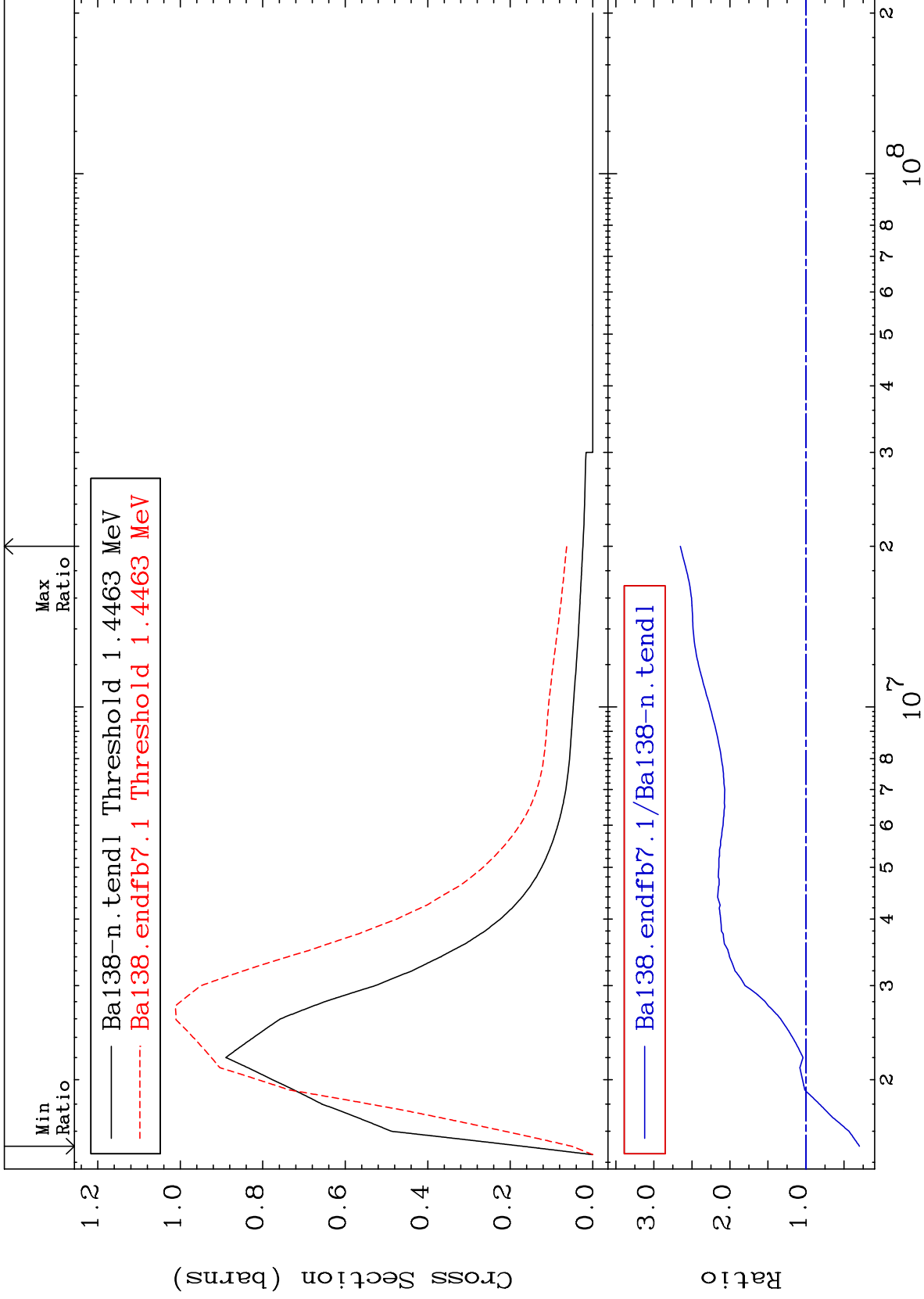
56-Ba-138

56-Ba-138

MAT 5649

1.436 MeV (n,n') Level
Cross Section

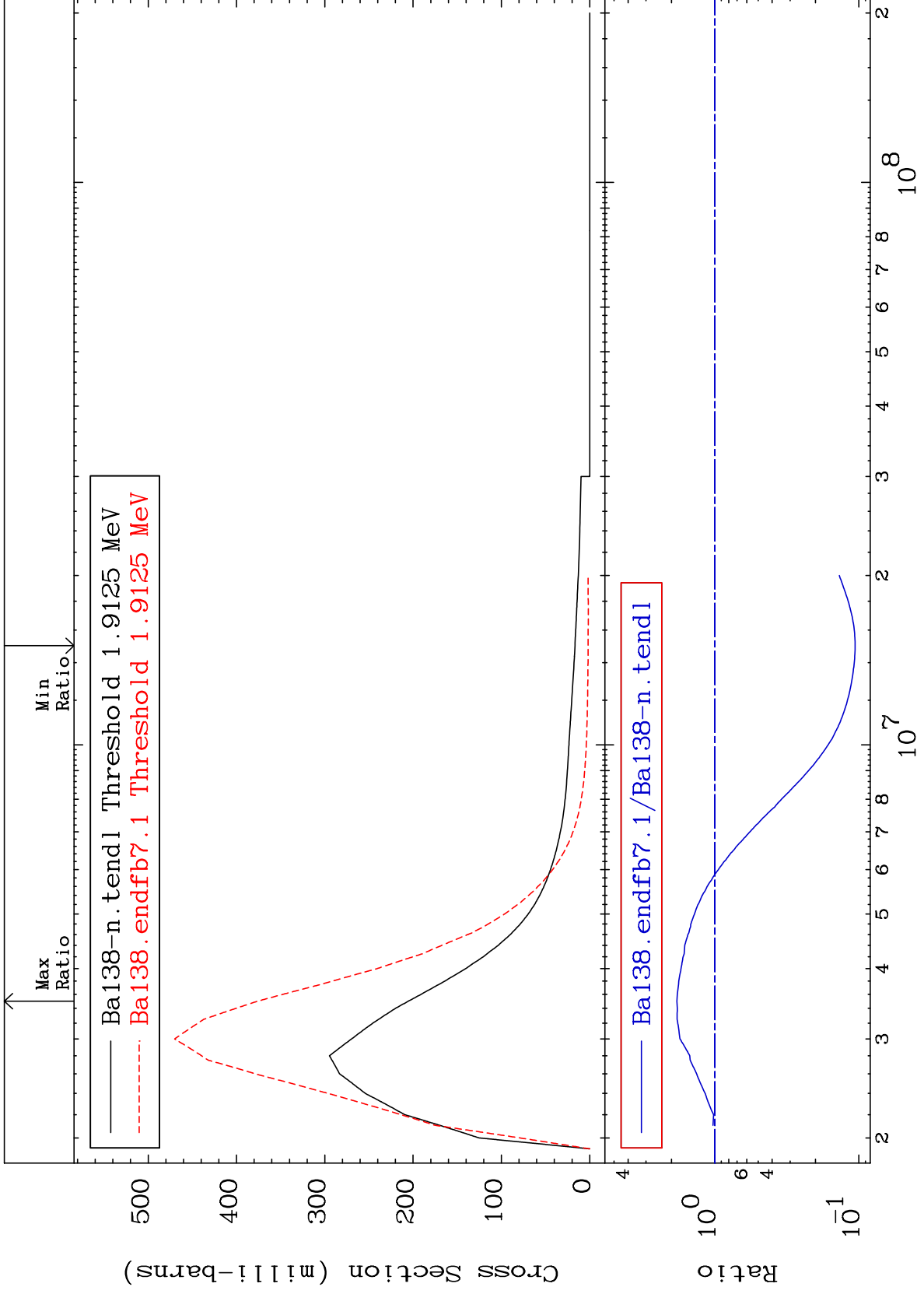
56-Ba-138
-70.18 To 165.2 %



MAT 5649

1.899 MeV (n,n') Level
Cross Section

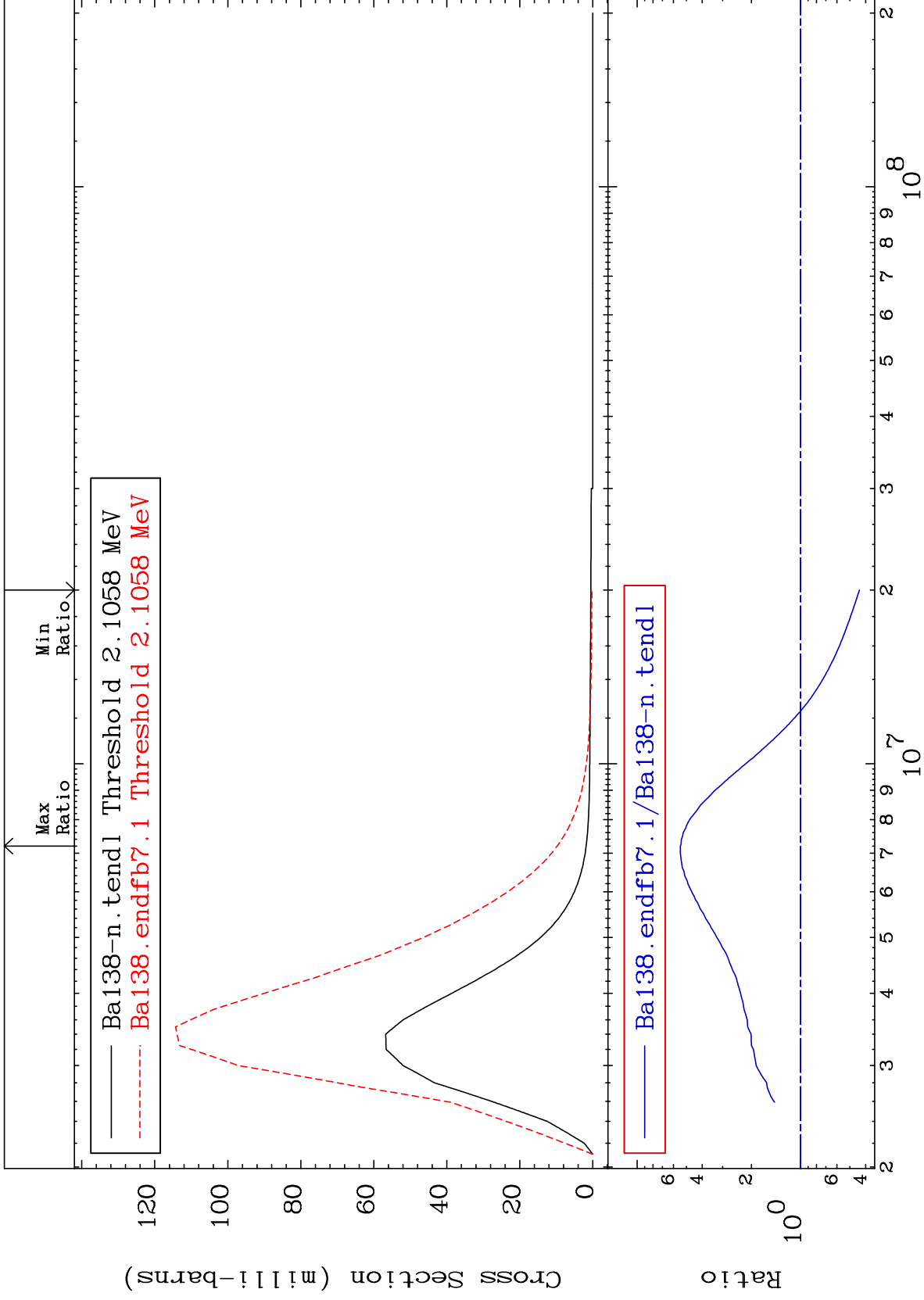
56-Ba-138
-89.38 To 83.16 %



MAT 5649

2.091 MeV (n,n') Level
Cross Section

56-Ba-138
-56.37 To 443.9 %



10

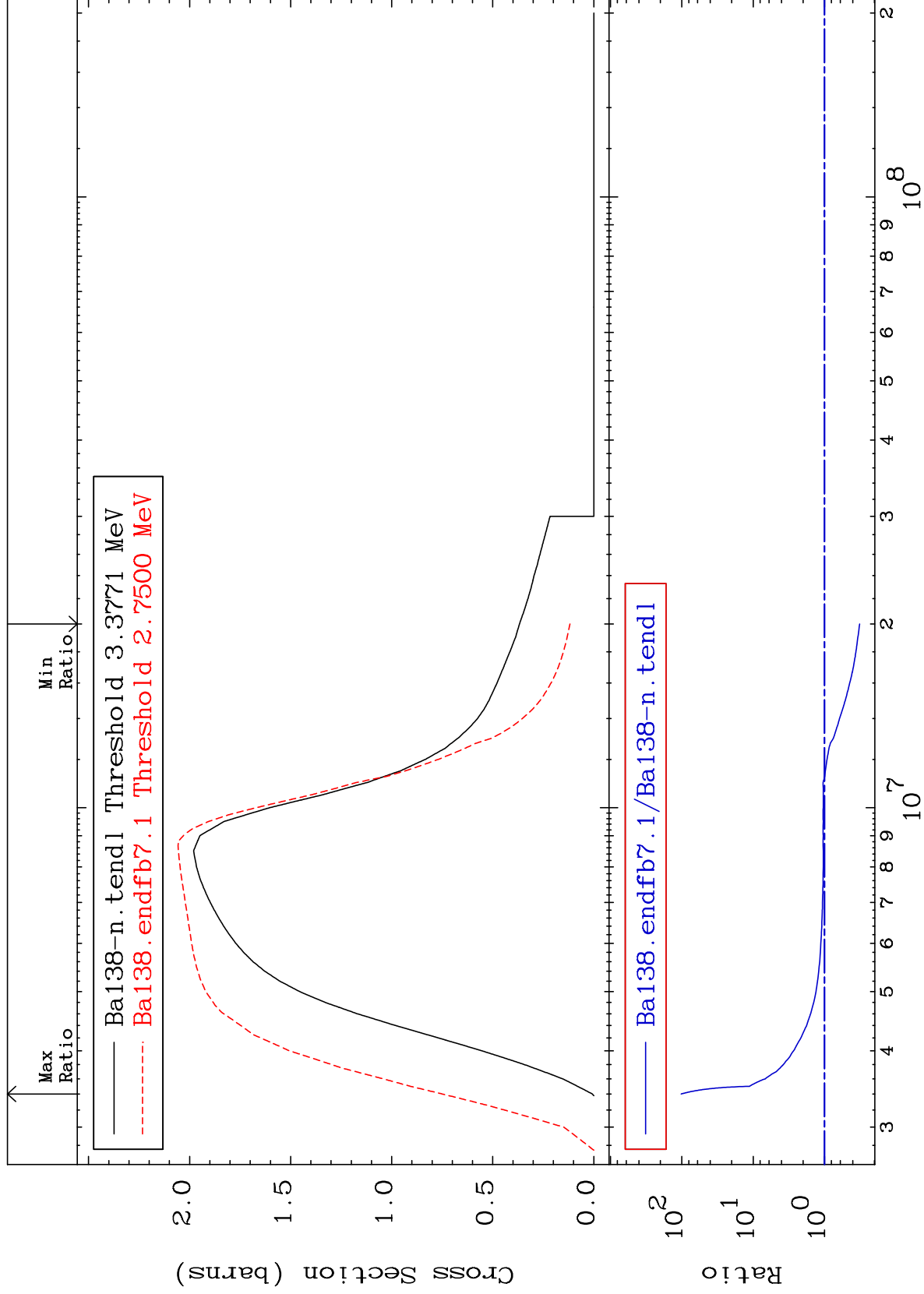
Incident Energy (eV)

56-Ba-138

MAT 5649

(n, n') Continuum
Cross Section

56-Ba-138
-67.85 To 9999. %



11

Incident Energy (eV)

56-Ba-138

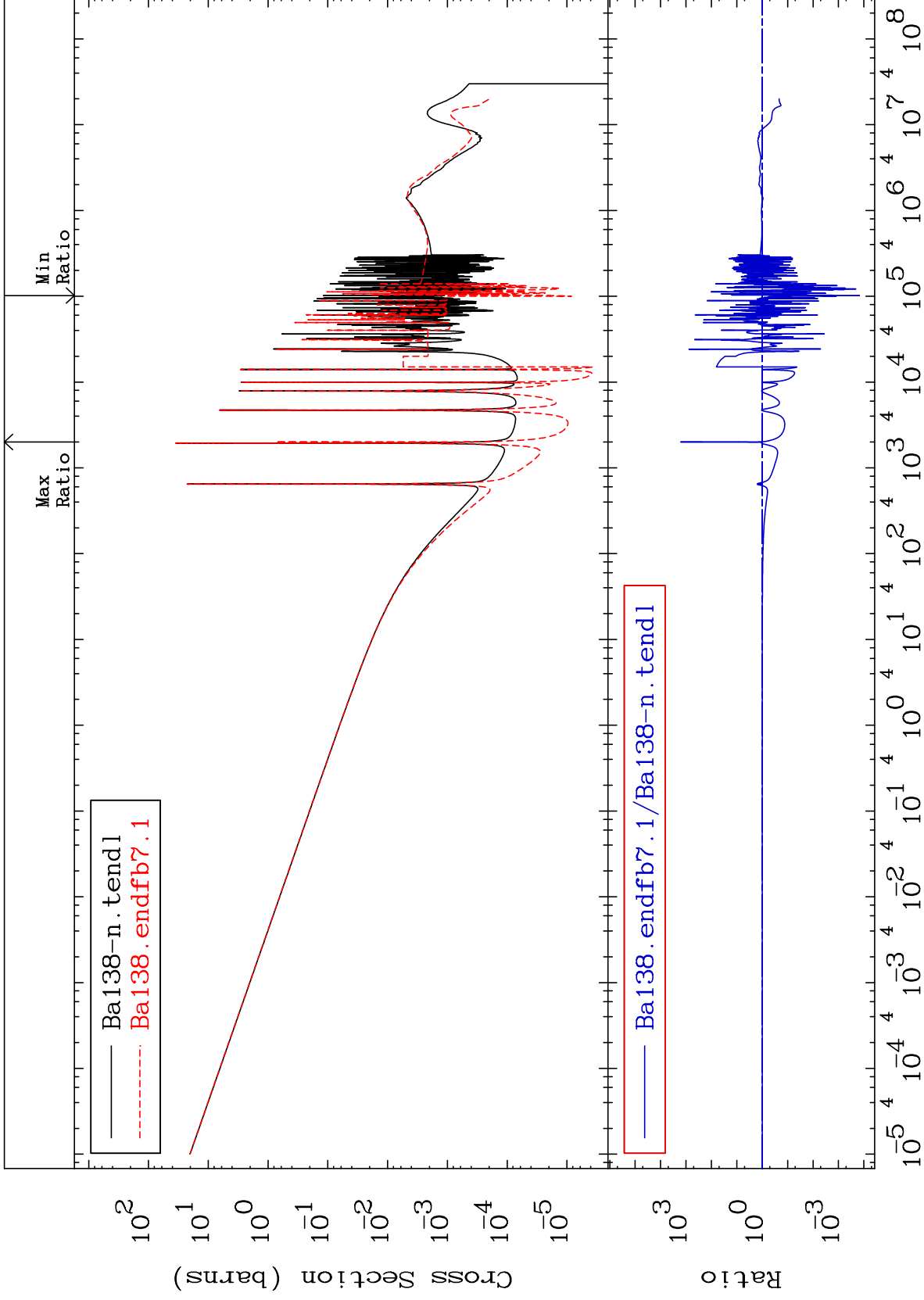
MAT 5649

(n, γ)

56-Ba-138

Cross Section

-99.99 To 9999. %



Incident Energy (eV)

56-Ba-138

12

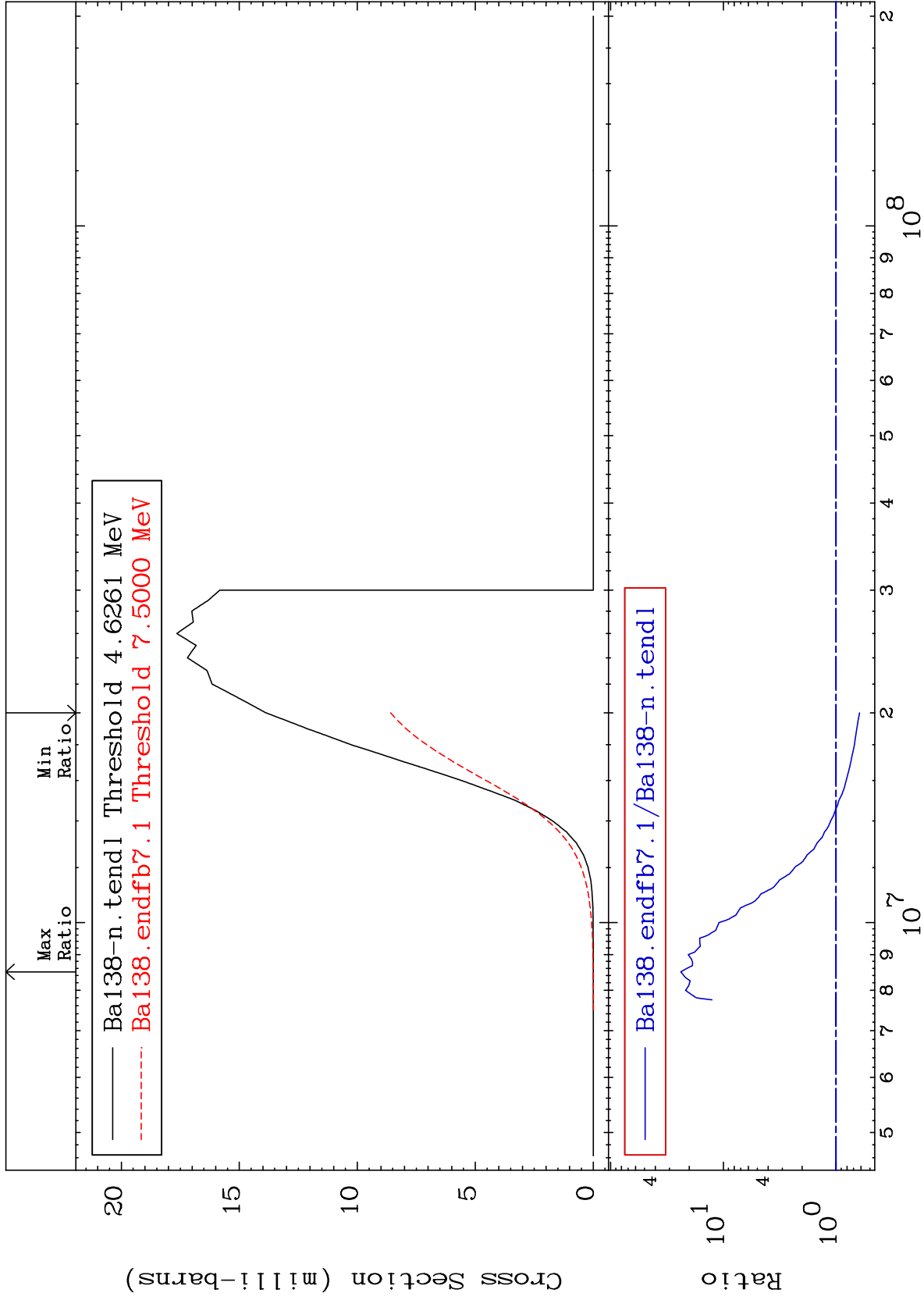
MAT 5649

(n,p)

56-Ba-138

Cross Section

-38.08 To 2283. %



13

Incident Energy (eV)

56-Ba-138

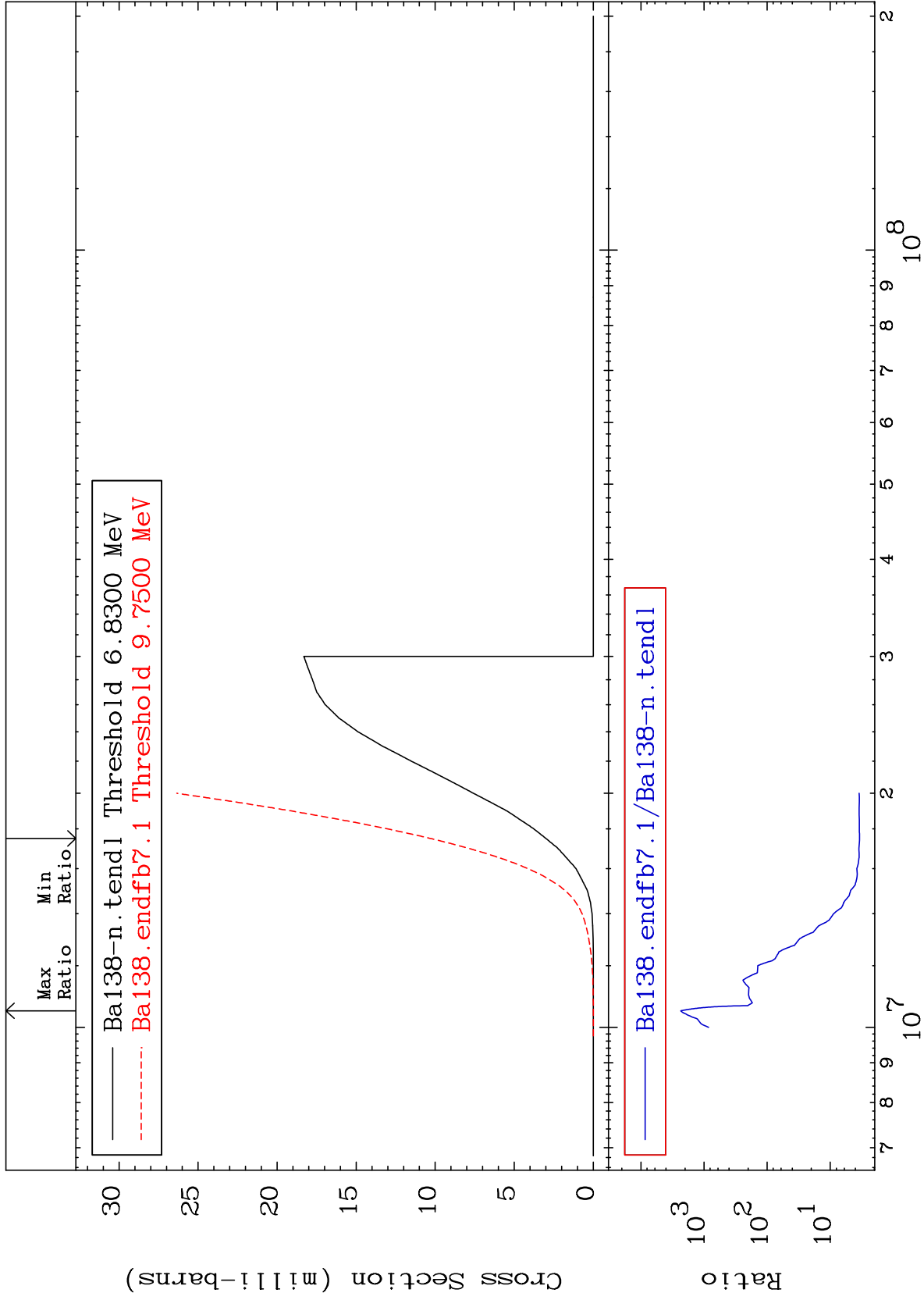
MAT 5649

(n, d)

56-Ba-138

Cross Section

243.4 To 9999. %



14

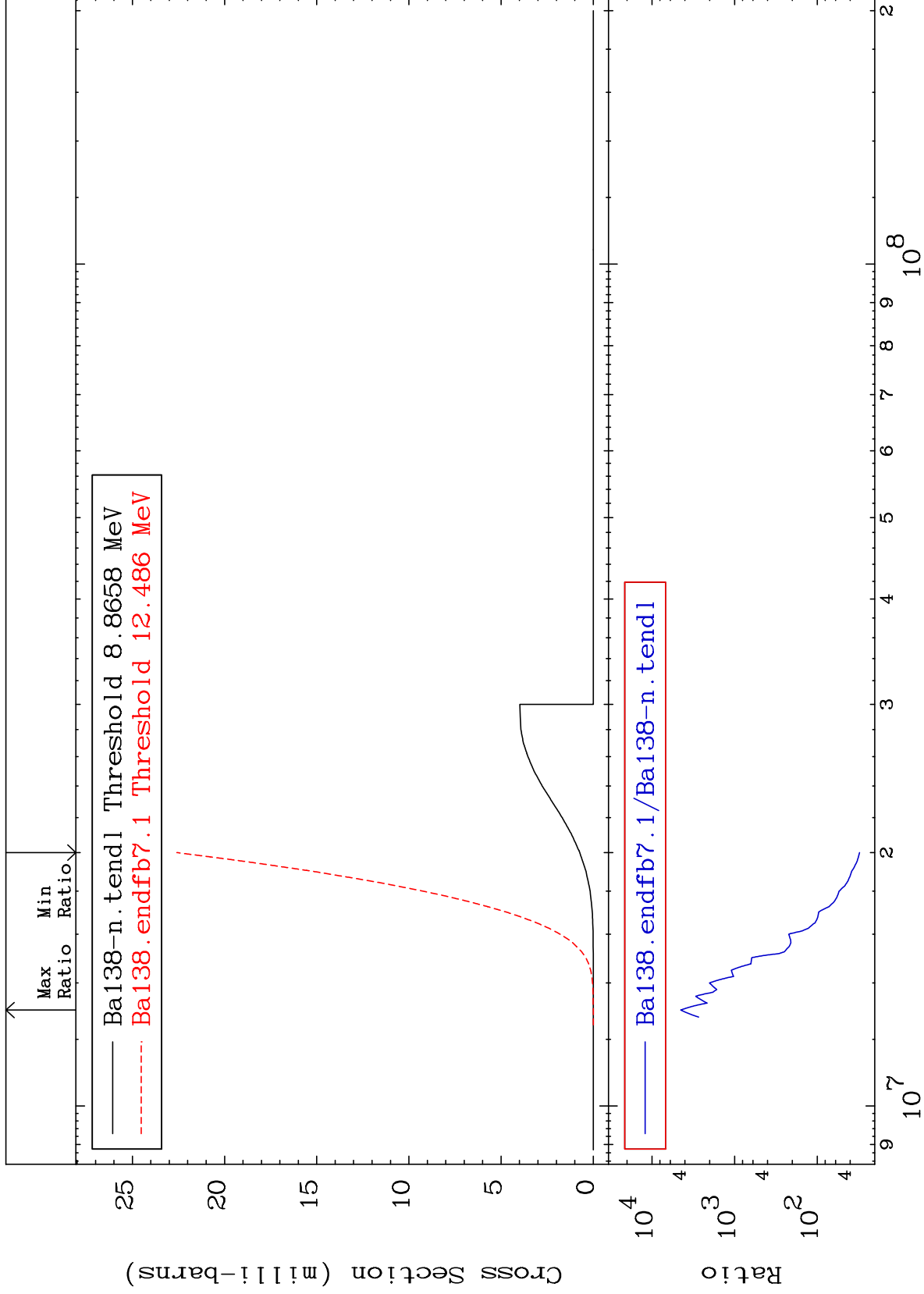
56-Ba-138

56-Ba-138

MAT 5649

(n, t)
Cross Section

56-Ba-138
To 9999. %



15

Incident Energy (eV)

56-Ba-138

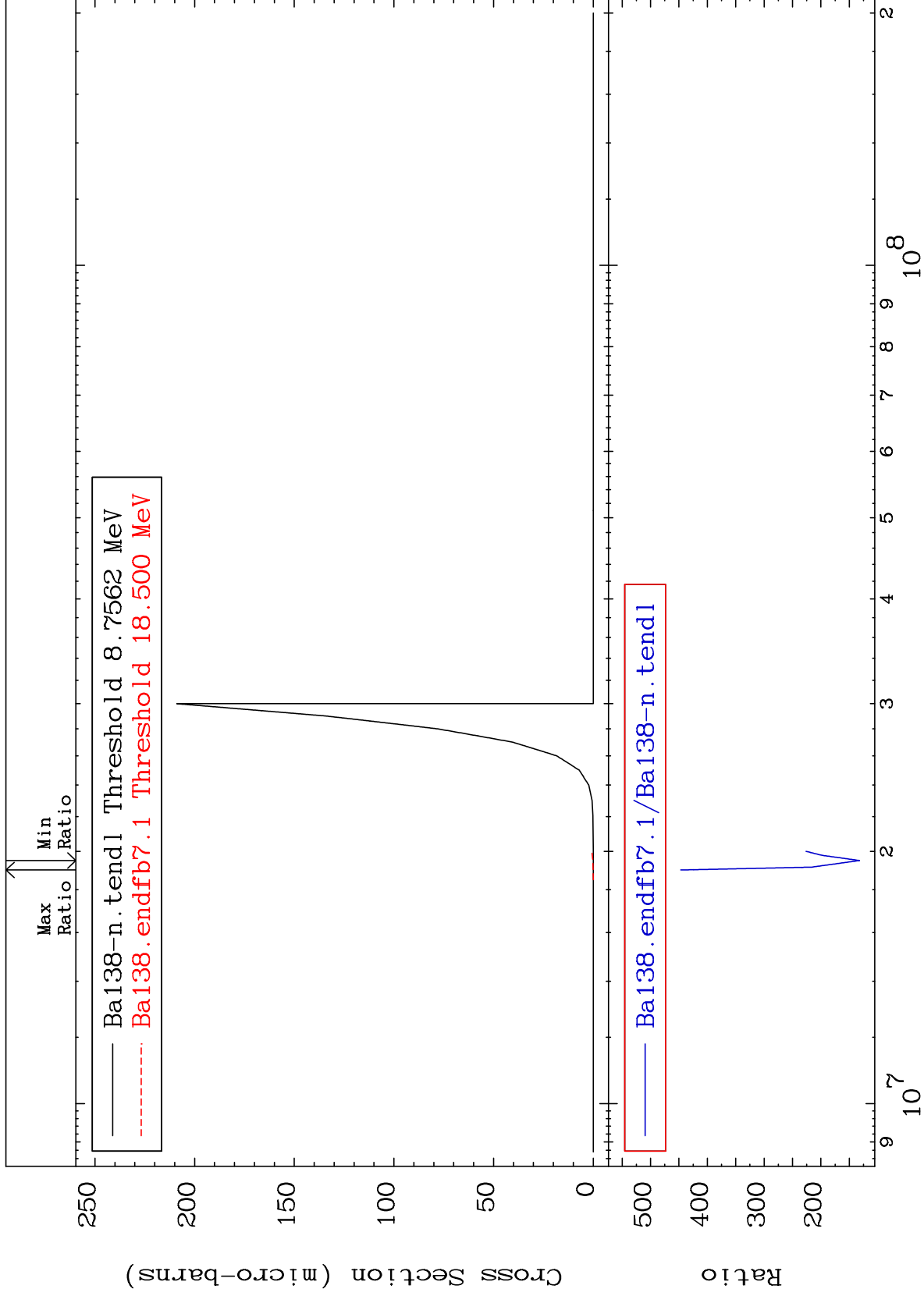
MAT 5649

(n, He-3)

56-Ba-138

Cross Section

9999. To 9999. %



16

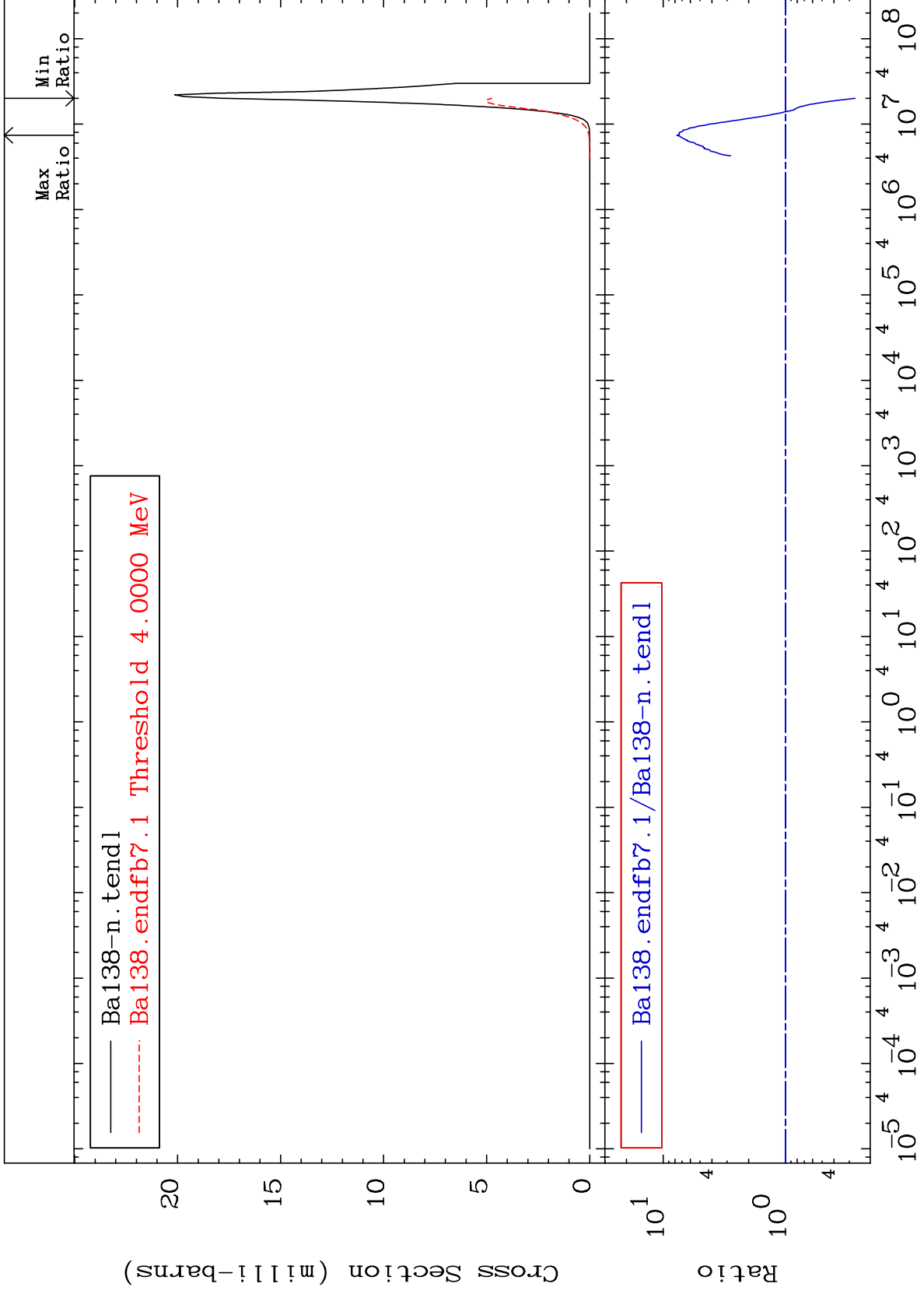
Incident Energy (eV)

56-Ba-138

MAT 5649

(n, α)
Cross Section

56-Ba-138
-73.11 To 672.5 %



Incident Energy (eV)

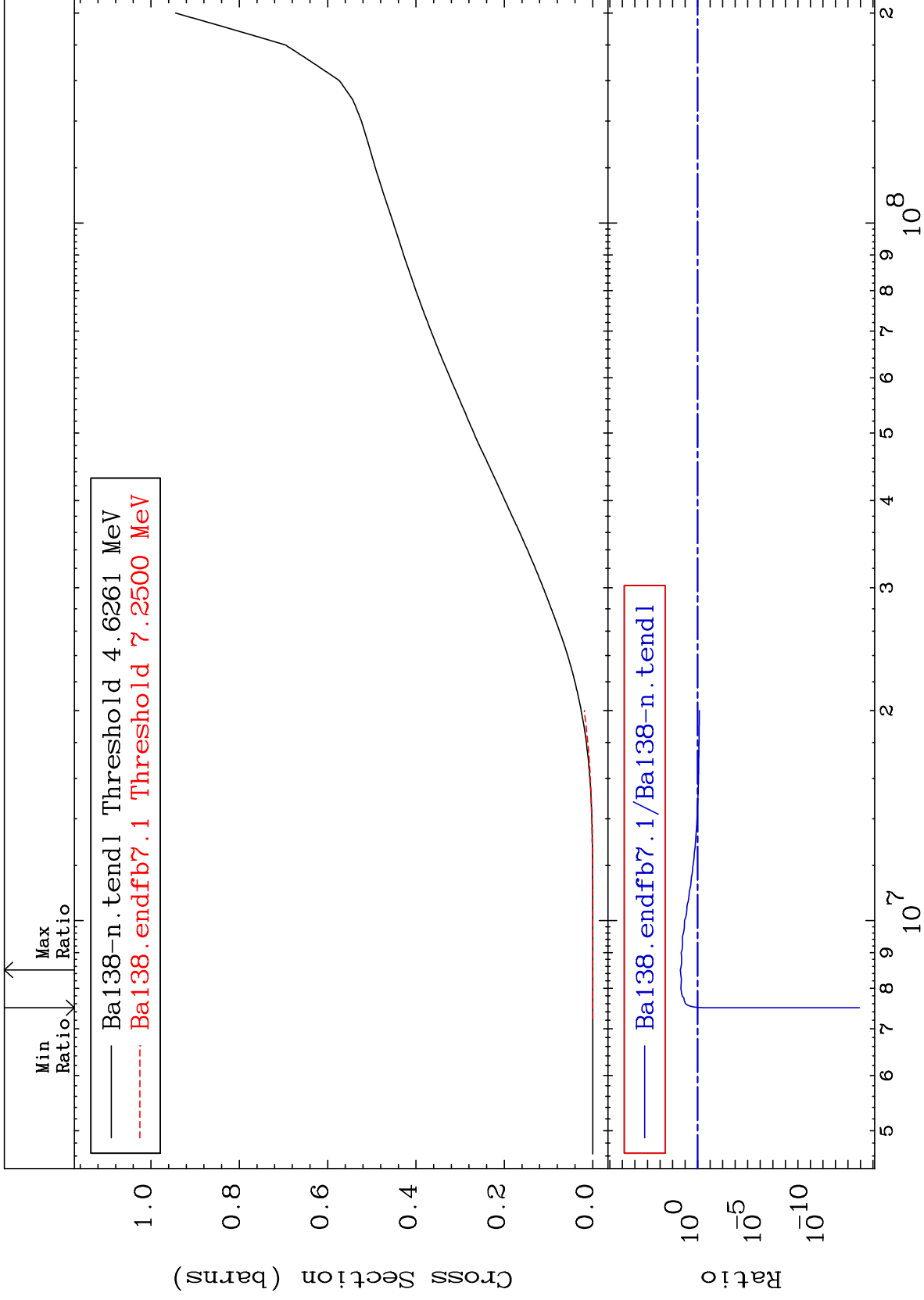
56-Ba-138

17

MAT 5649

Hydrogen Production
Cross Section

56-Ba-138
-100.0 To 2283. %



18

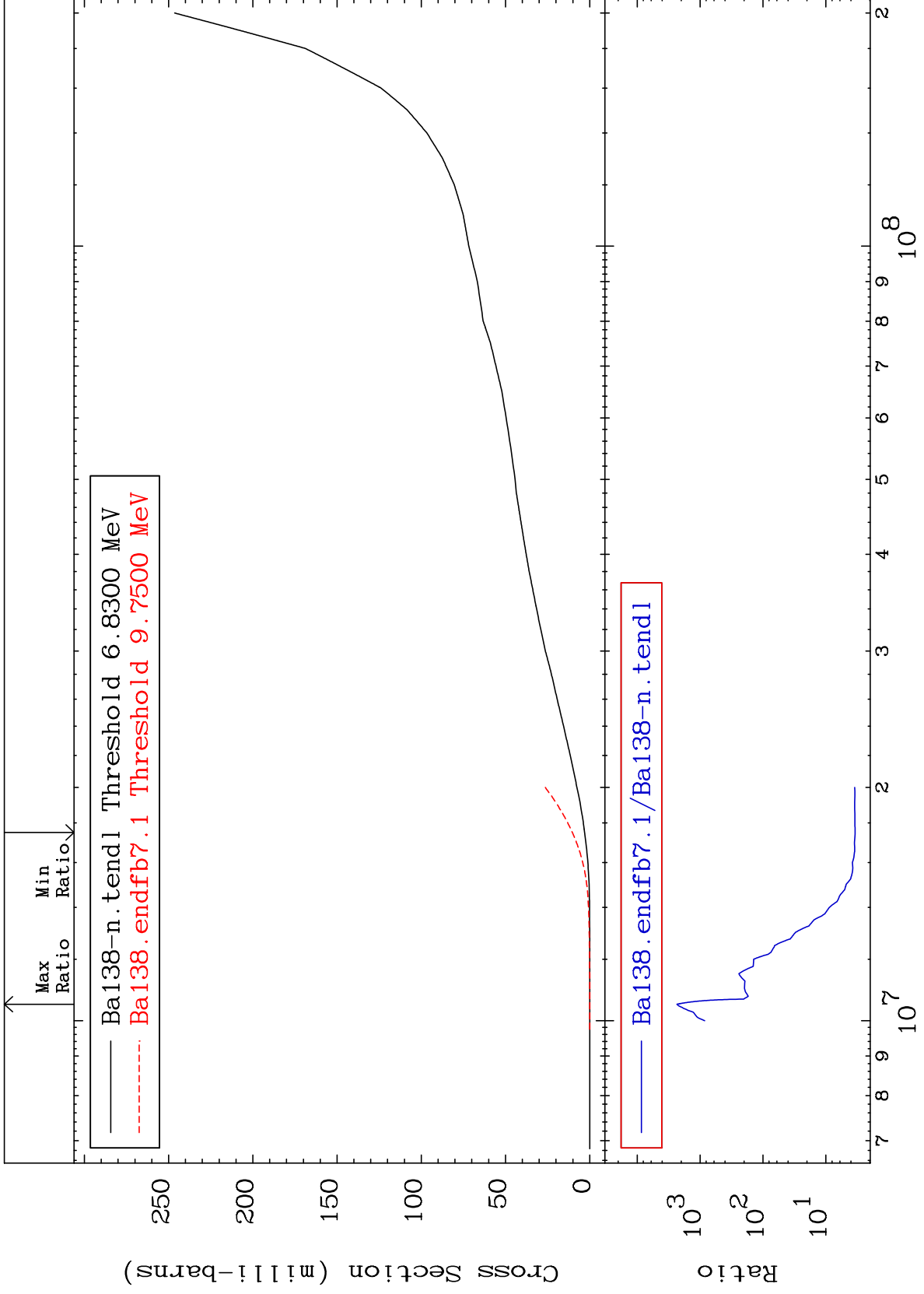
Incident Energy (eV)

56-Ba-138

MAT 5649

Deuterium Production
Cross Section

56-Ba-138
243.4 To 9999. %



19

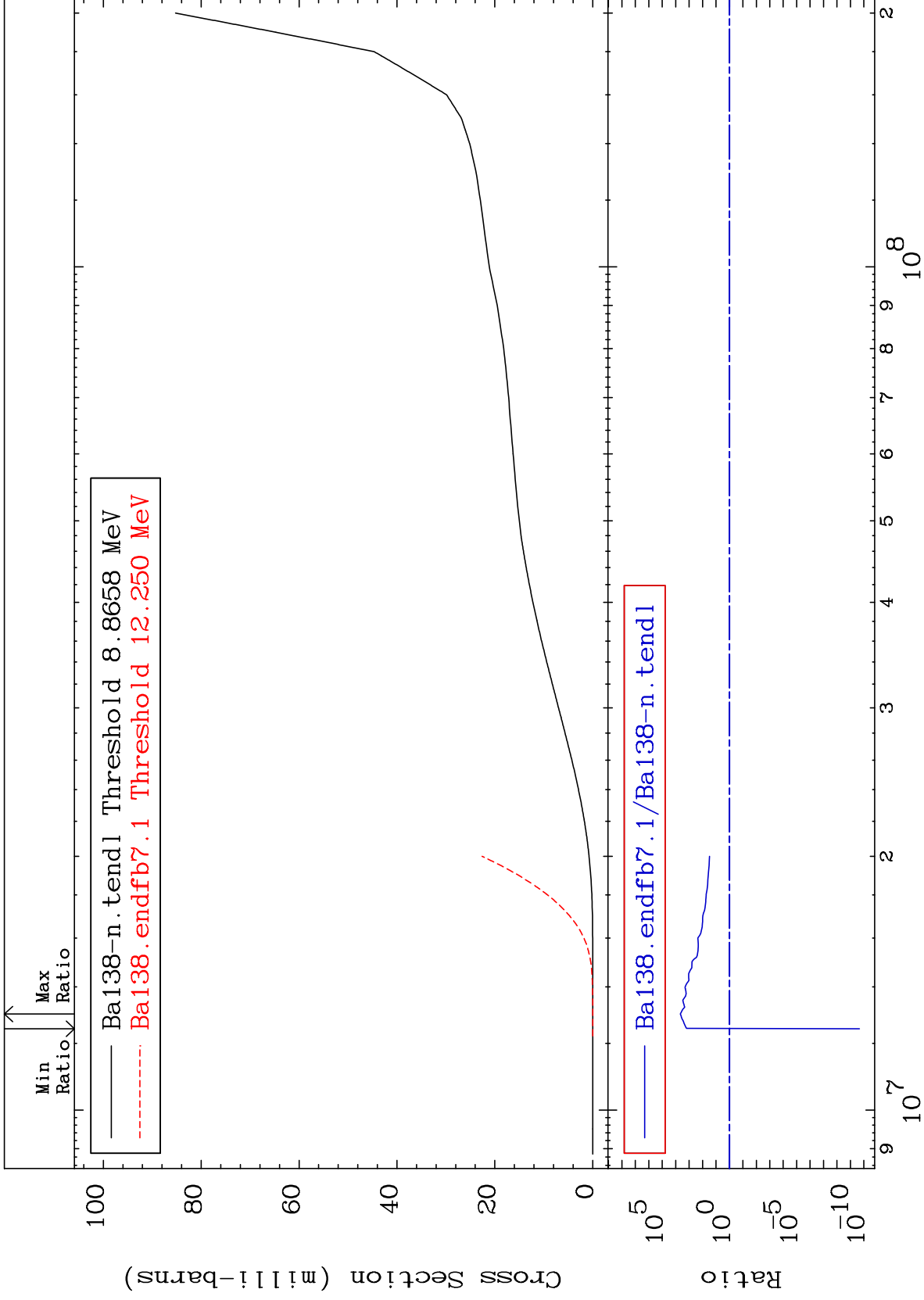
Incident Energy (eV)

56-Ba-138

MAT 5649

Tritium Production
Cross Section

56-Ba-138
-100.0 To 9999. %



20

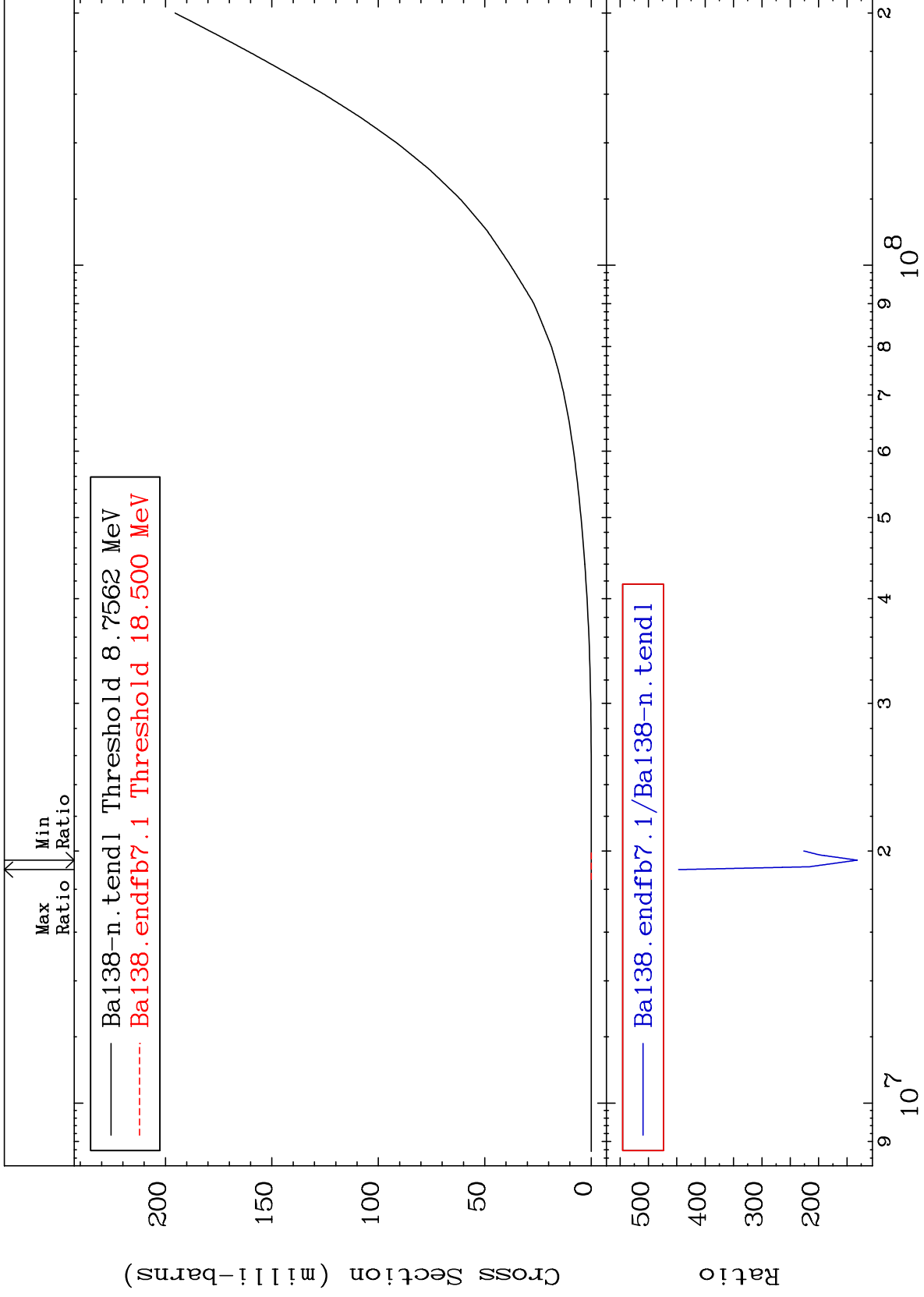
Incident Energy (eV)

56-Ba-138

MAT 5649

He-3 Production
Cross Section

56-Ba-138
To 9999. %



21

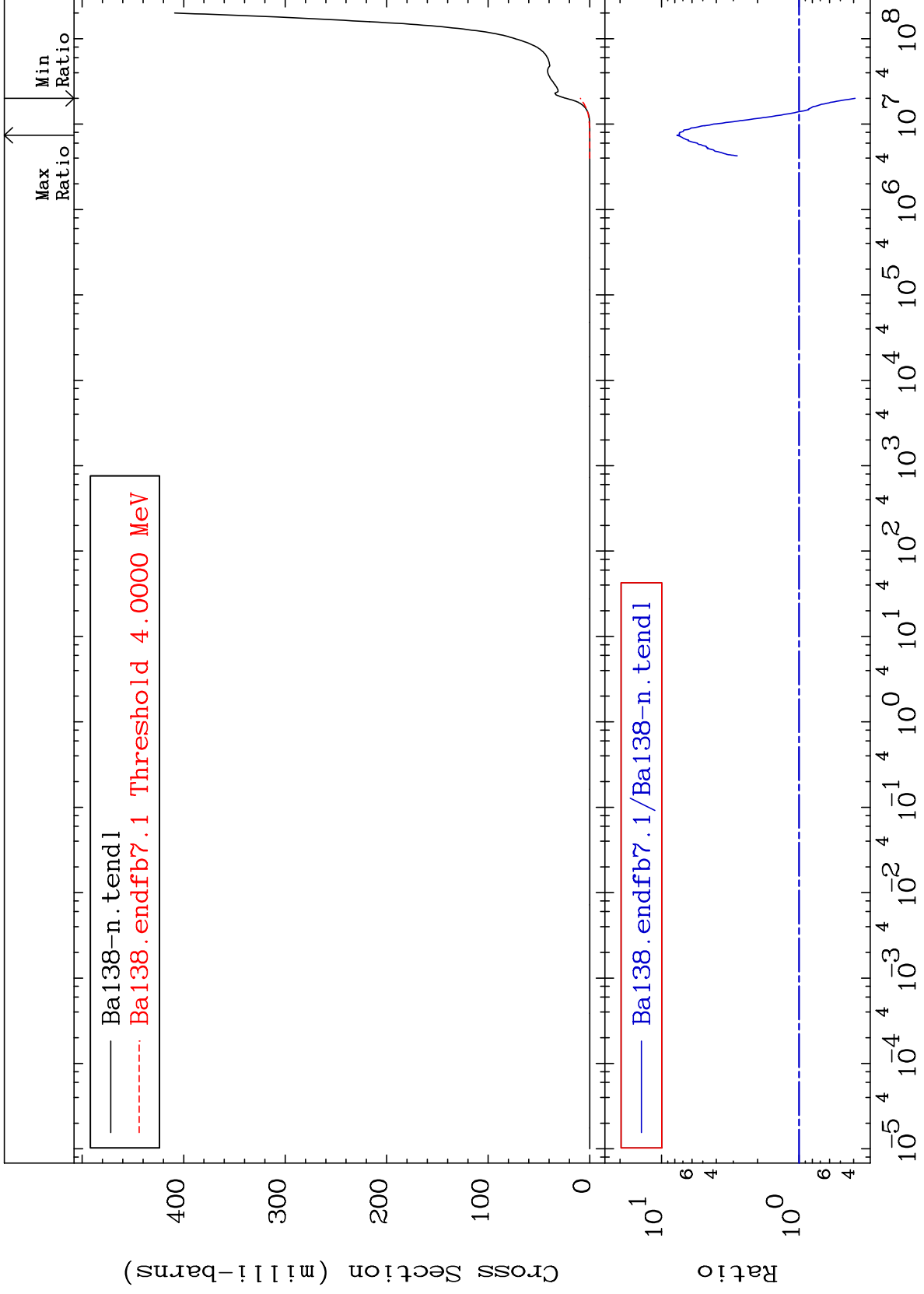
Incident Energy (eV)

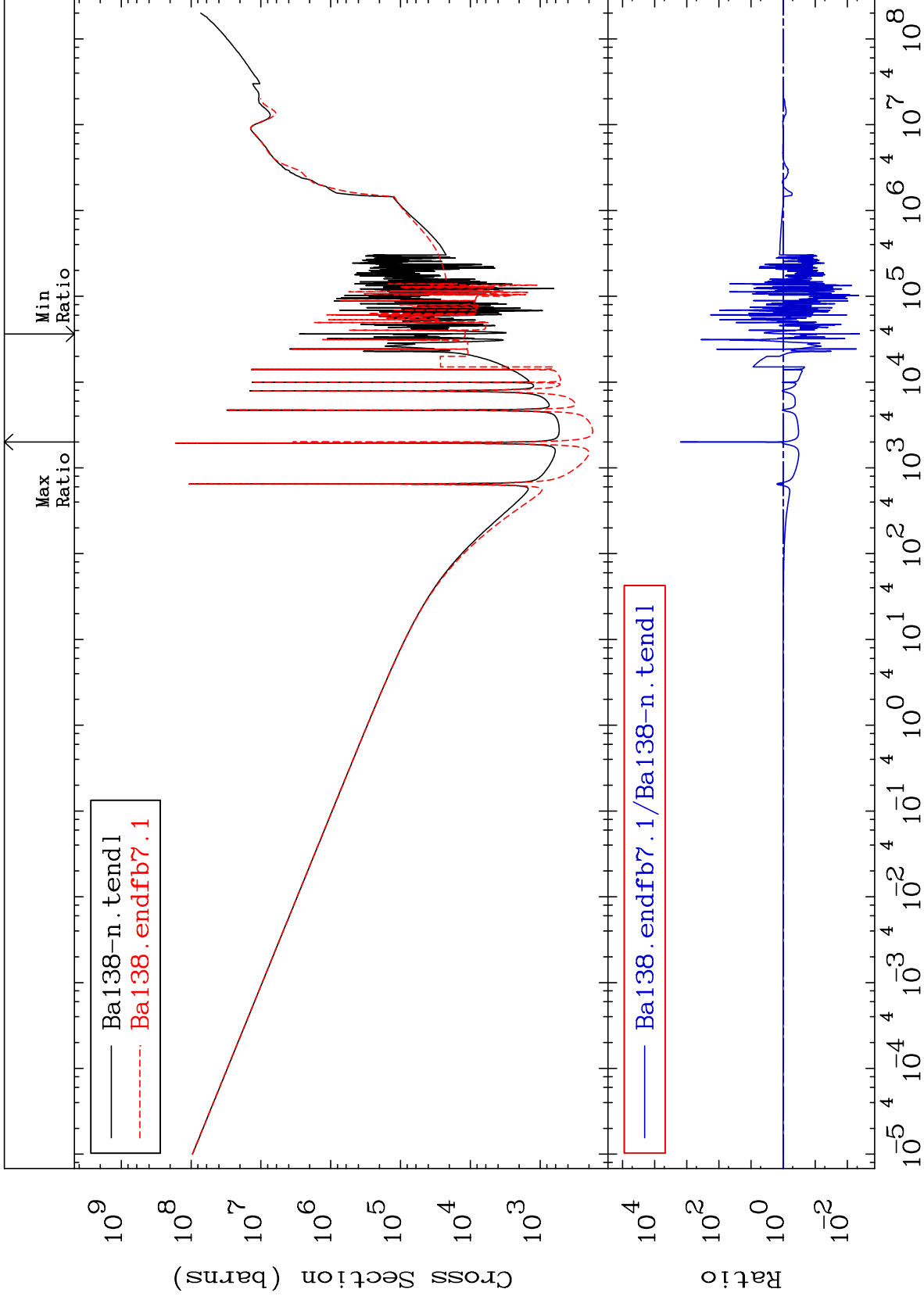
56-Ba-138

MAT 5649

He-4 Production
Cross Section

56-Ba-138
-60.92 To 672.5 %

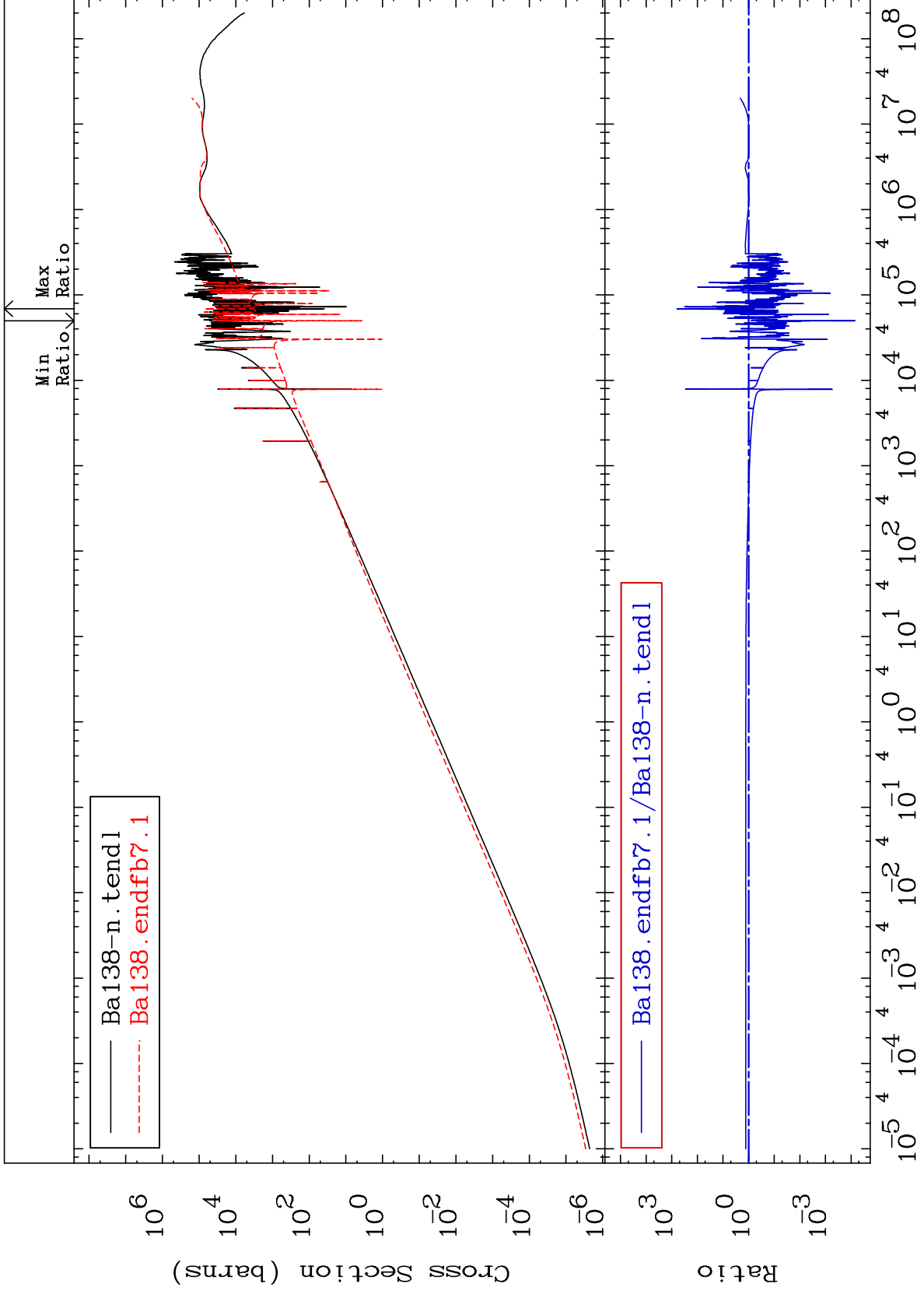


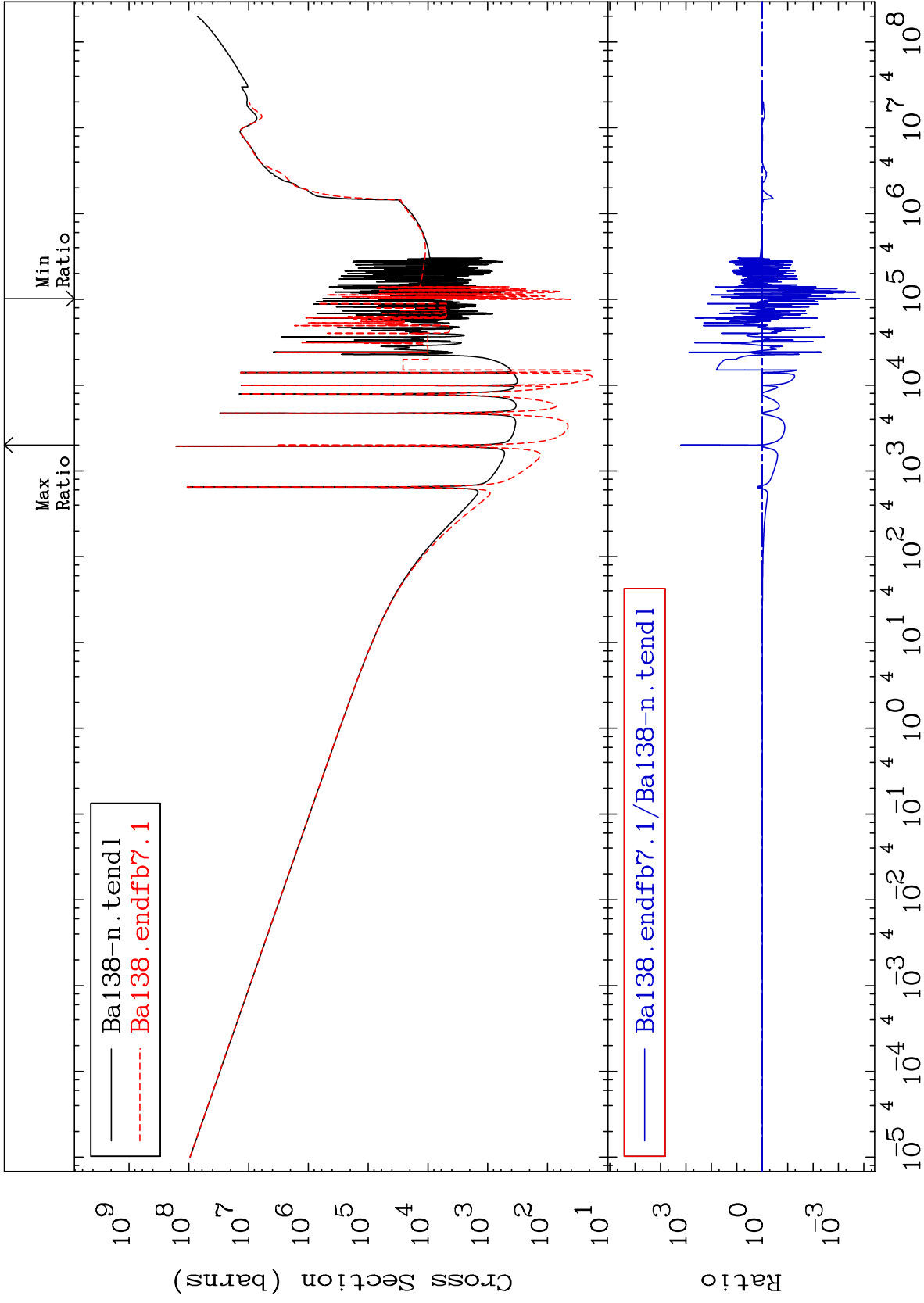


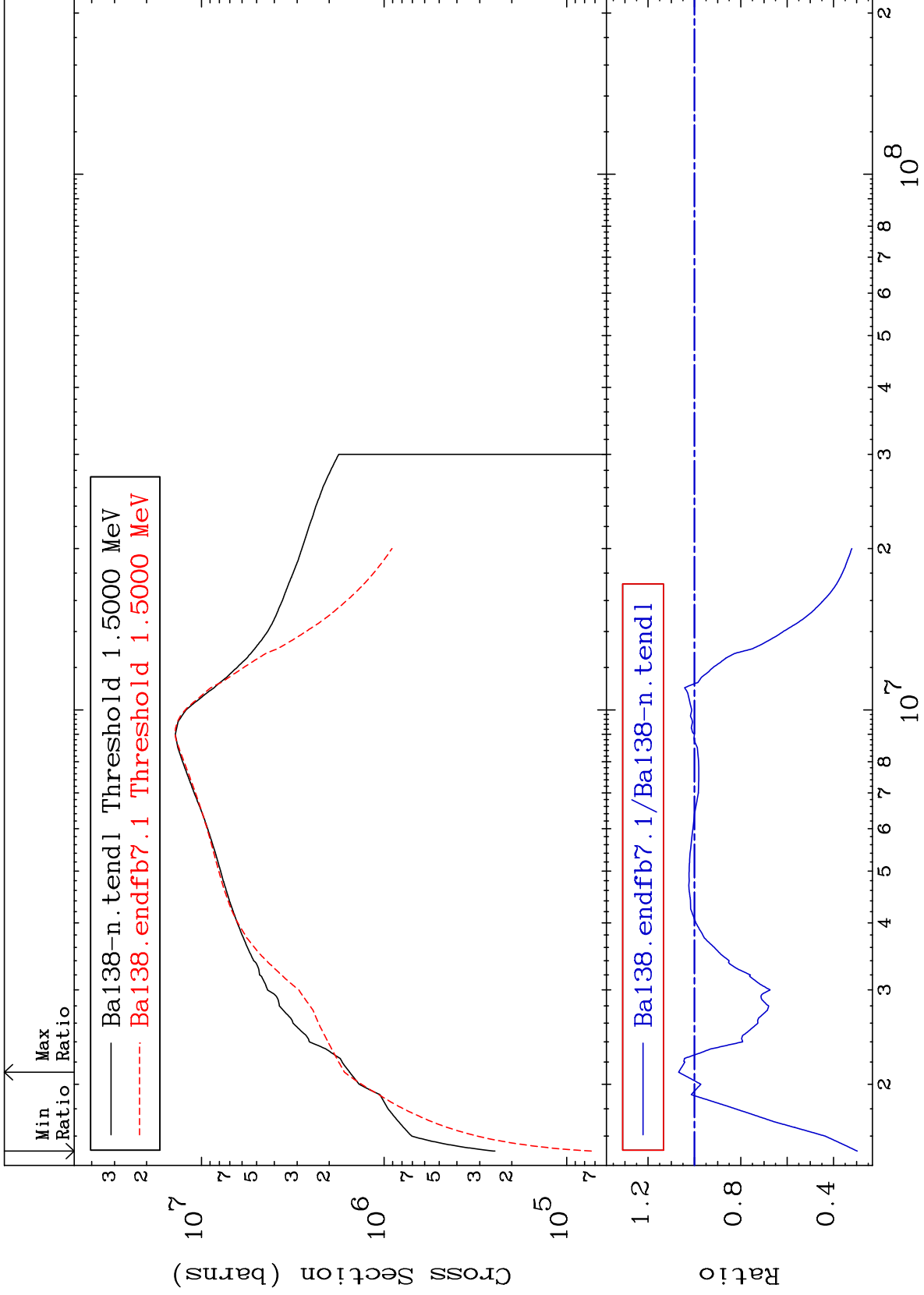
MAT 5649

Kerma elastic
Cross Section

56-Ba-138
-99.99 To 9999. %



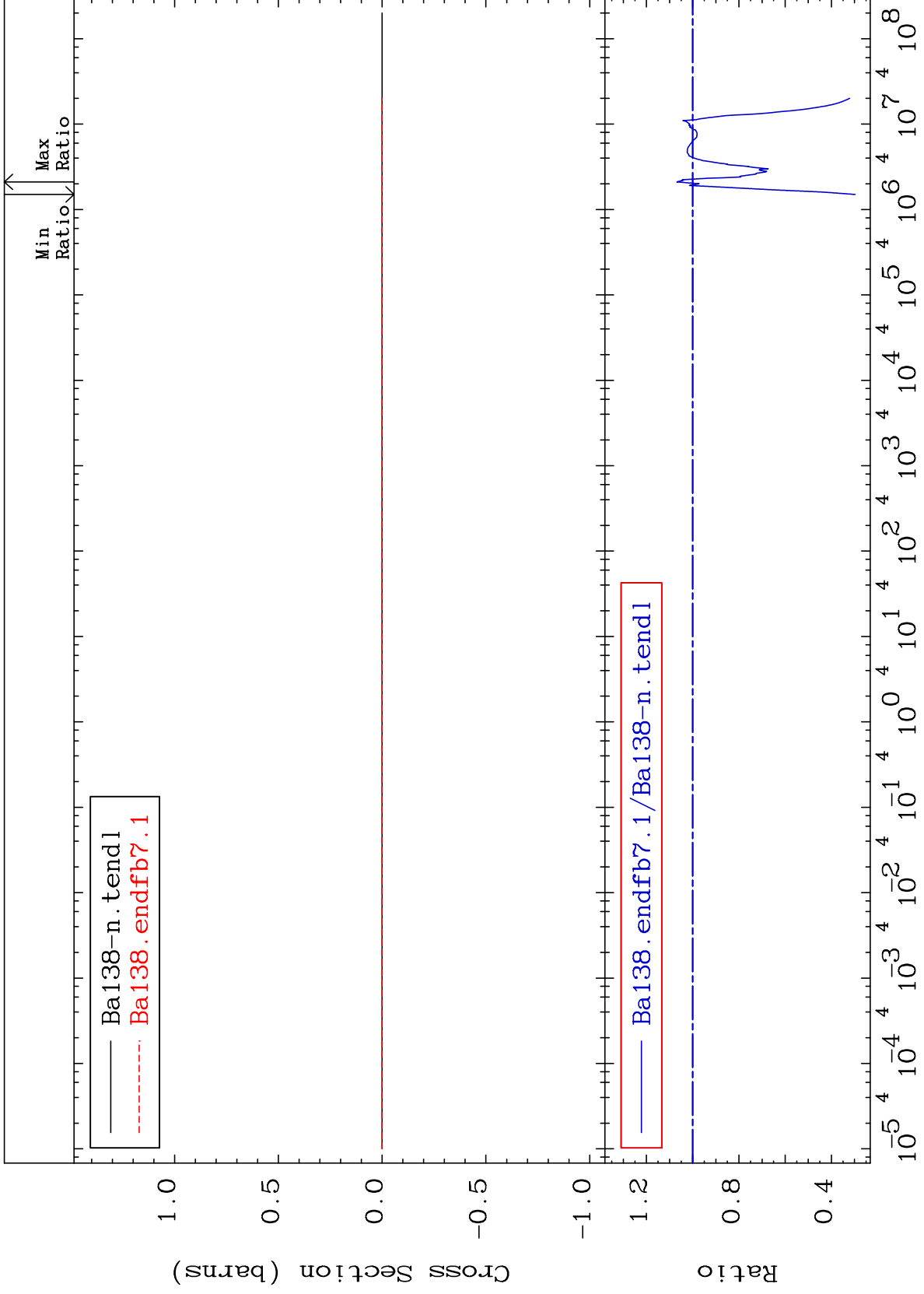




MAT 5649

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

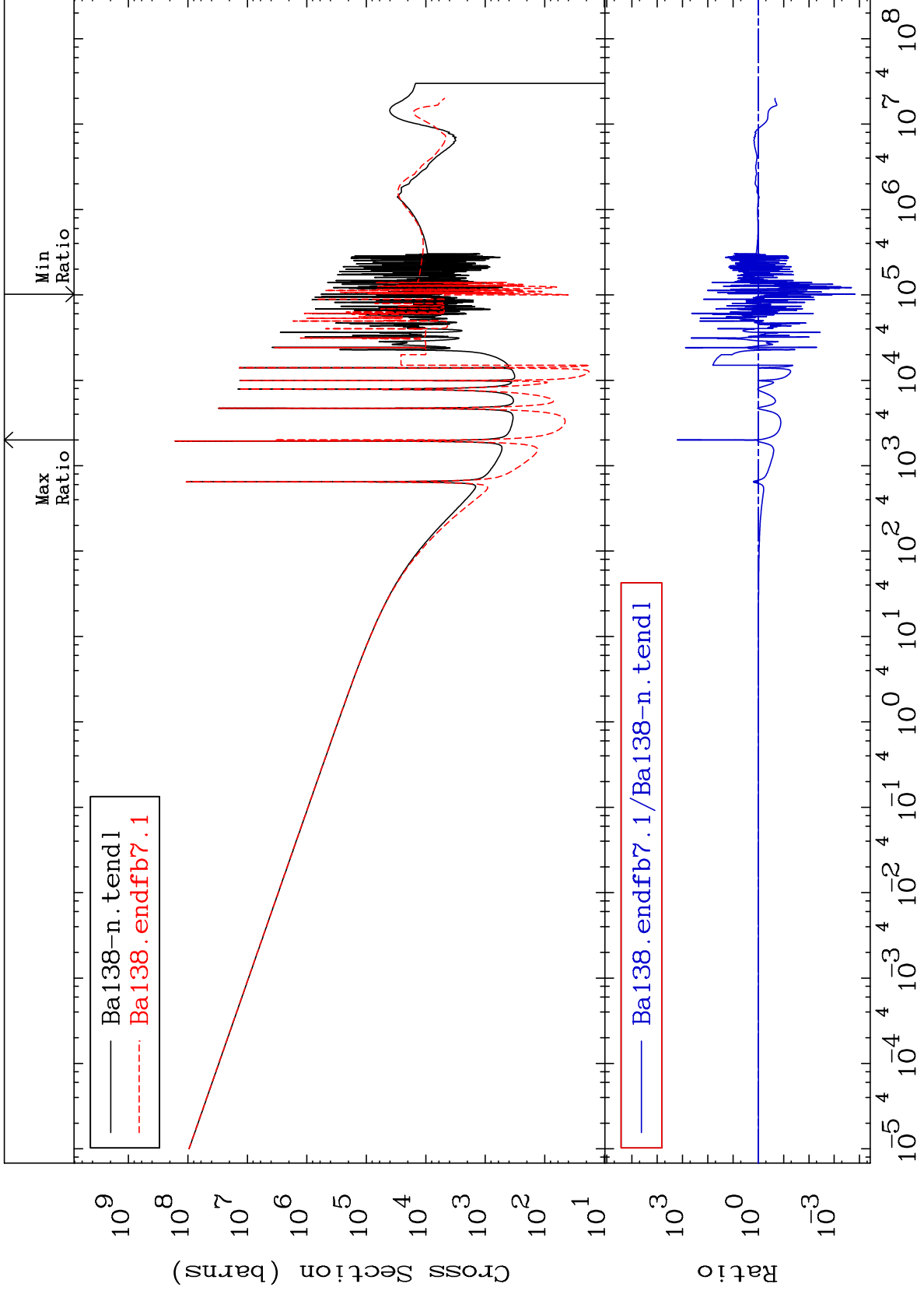
56-Ba-138
-70.25 To 6.826 %

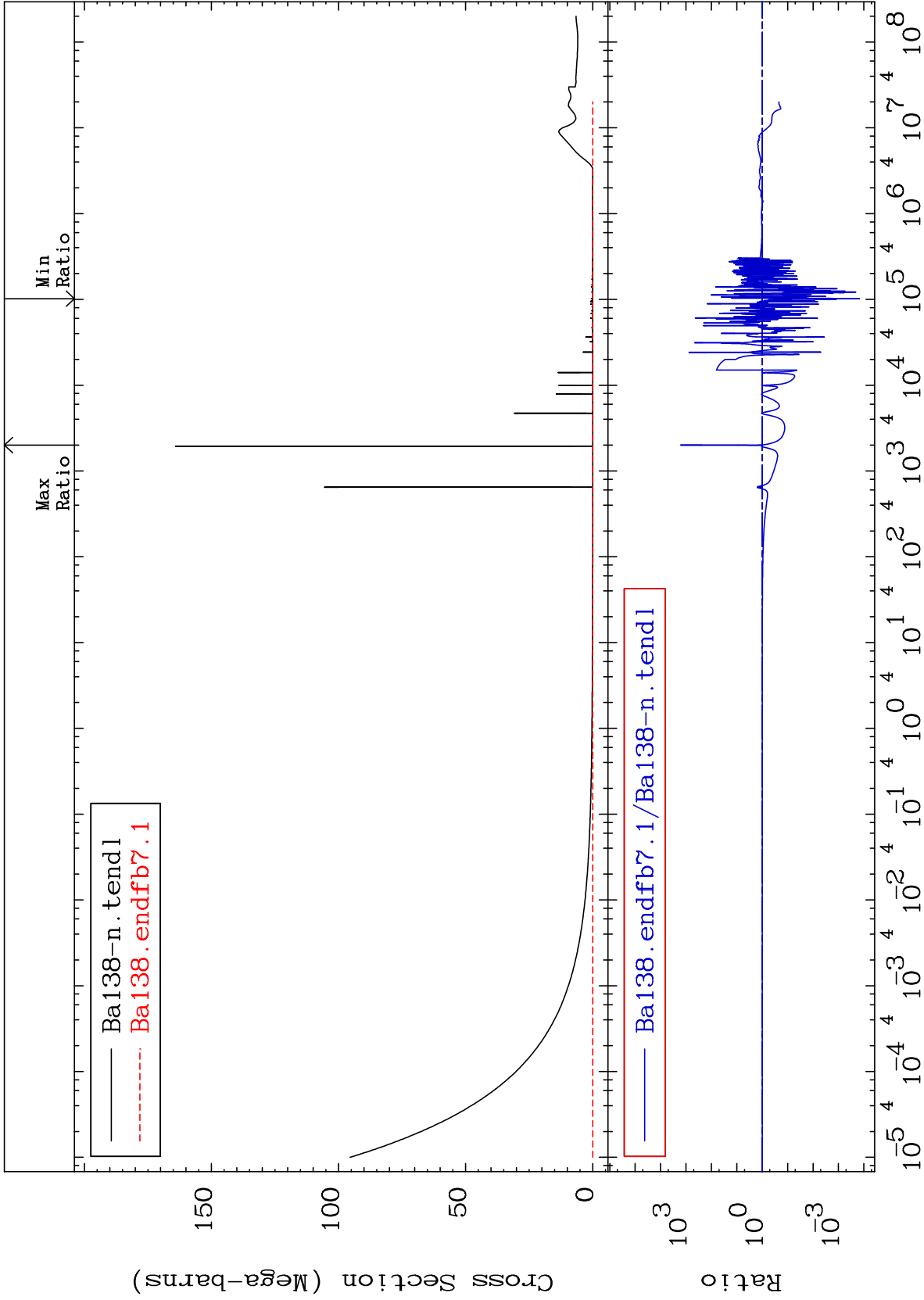


MAT 5649

Kerma capture (mt102)
Cross Section

56-Ba-138
-99.99 To 9999. %

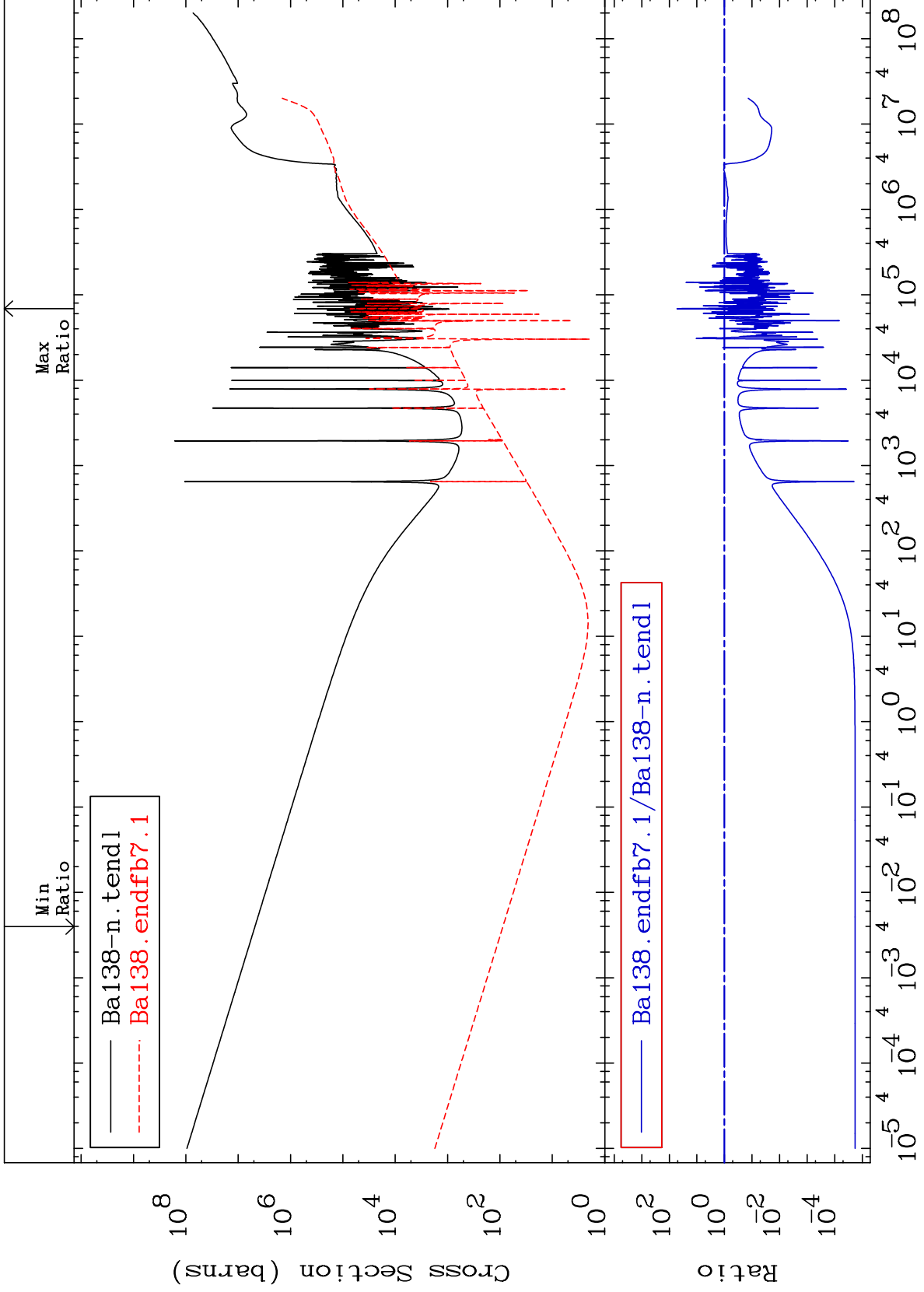




MAT 5649

Total kinematic kerma (high limit)
Cross Section

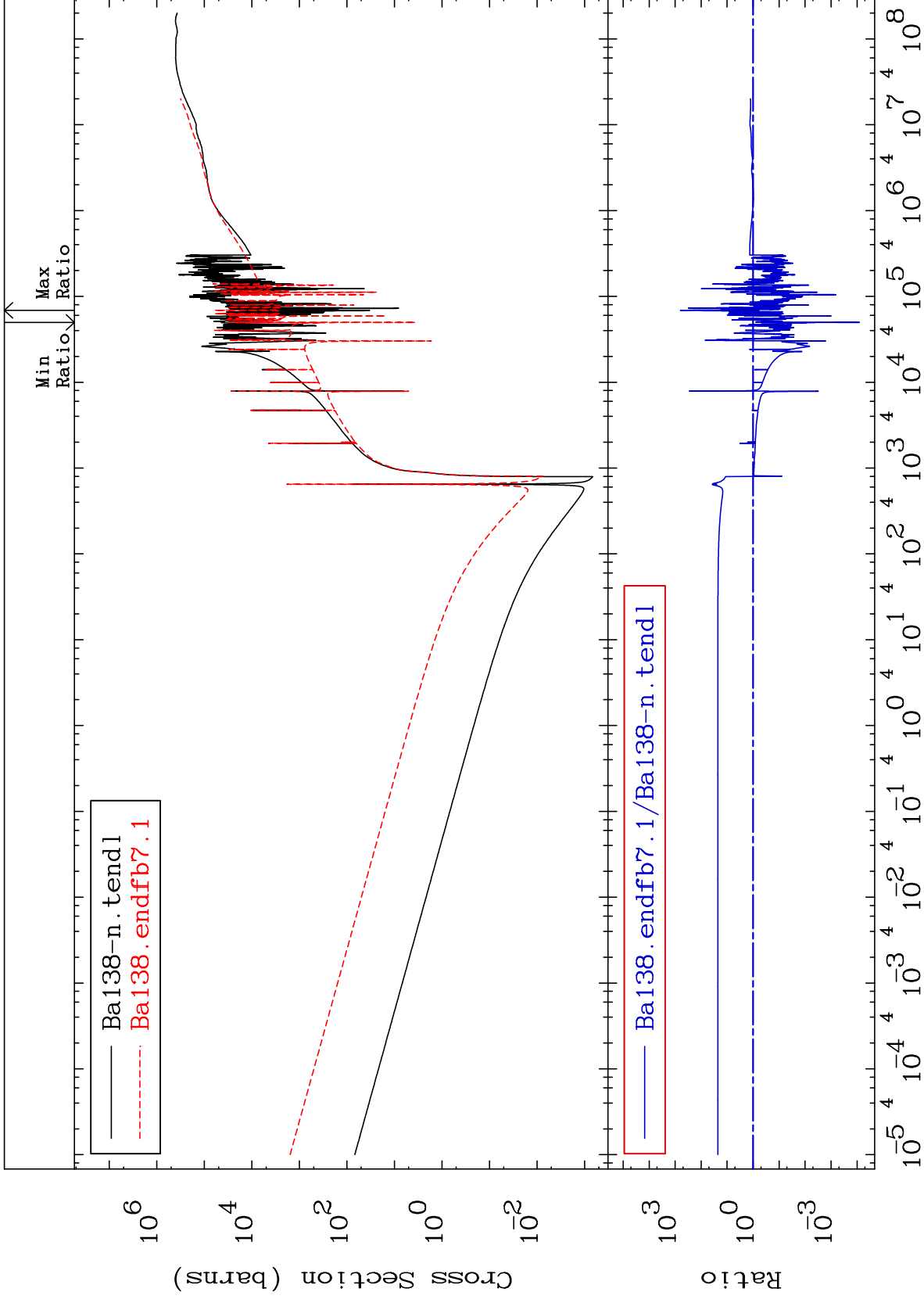
56-Ba-138
-100.0 To 5201. %



MAT 5649

Dpa total (eV-barns)
Cross Section

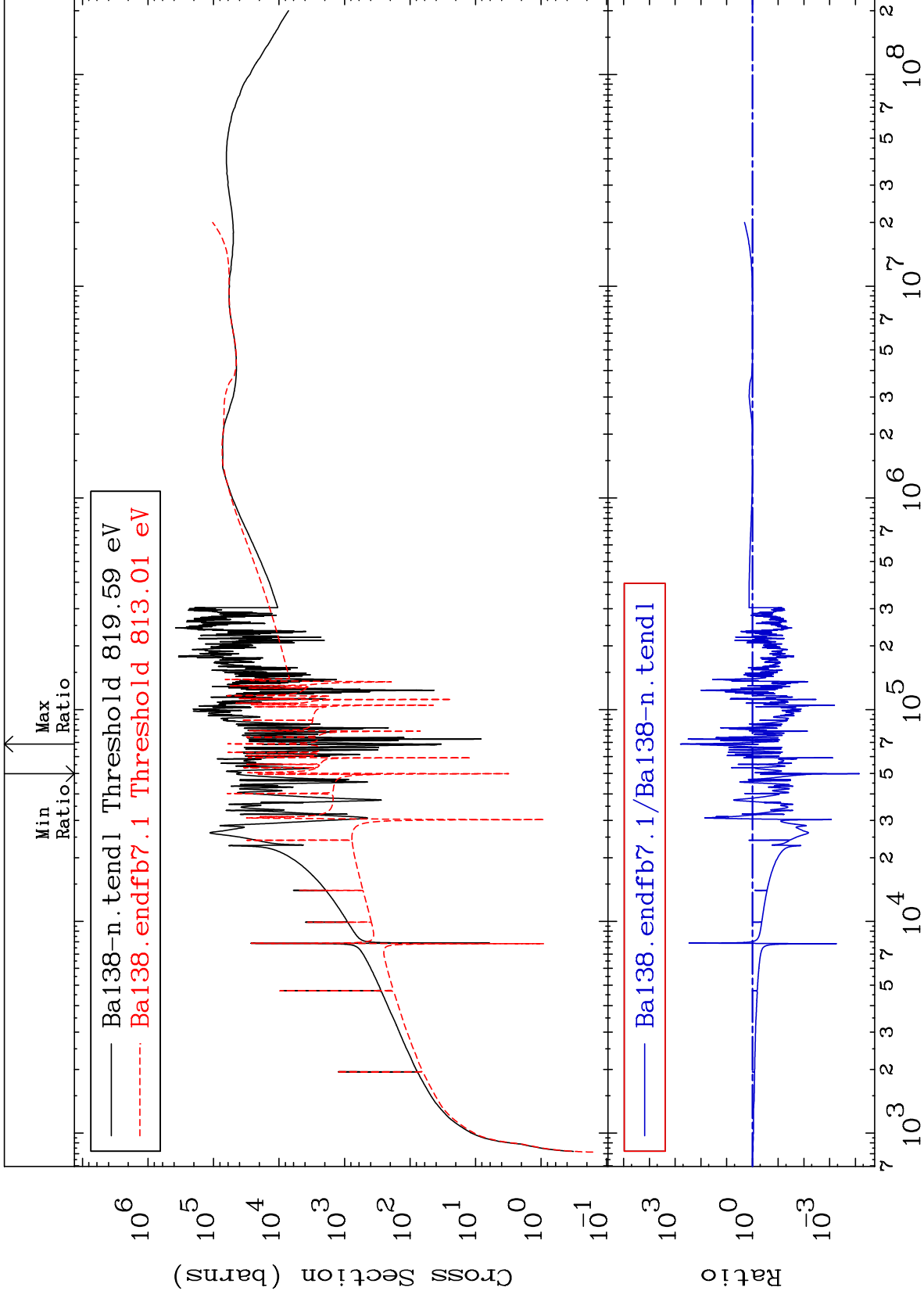
56-Ba-138
-99.99 To 9999. %



MAT 5649

Dpa elastic (mt2)
Cross Section

56-Ba-138
-99.99 To 9999. %



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Incident Energy (eV)

56-Ba-138

