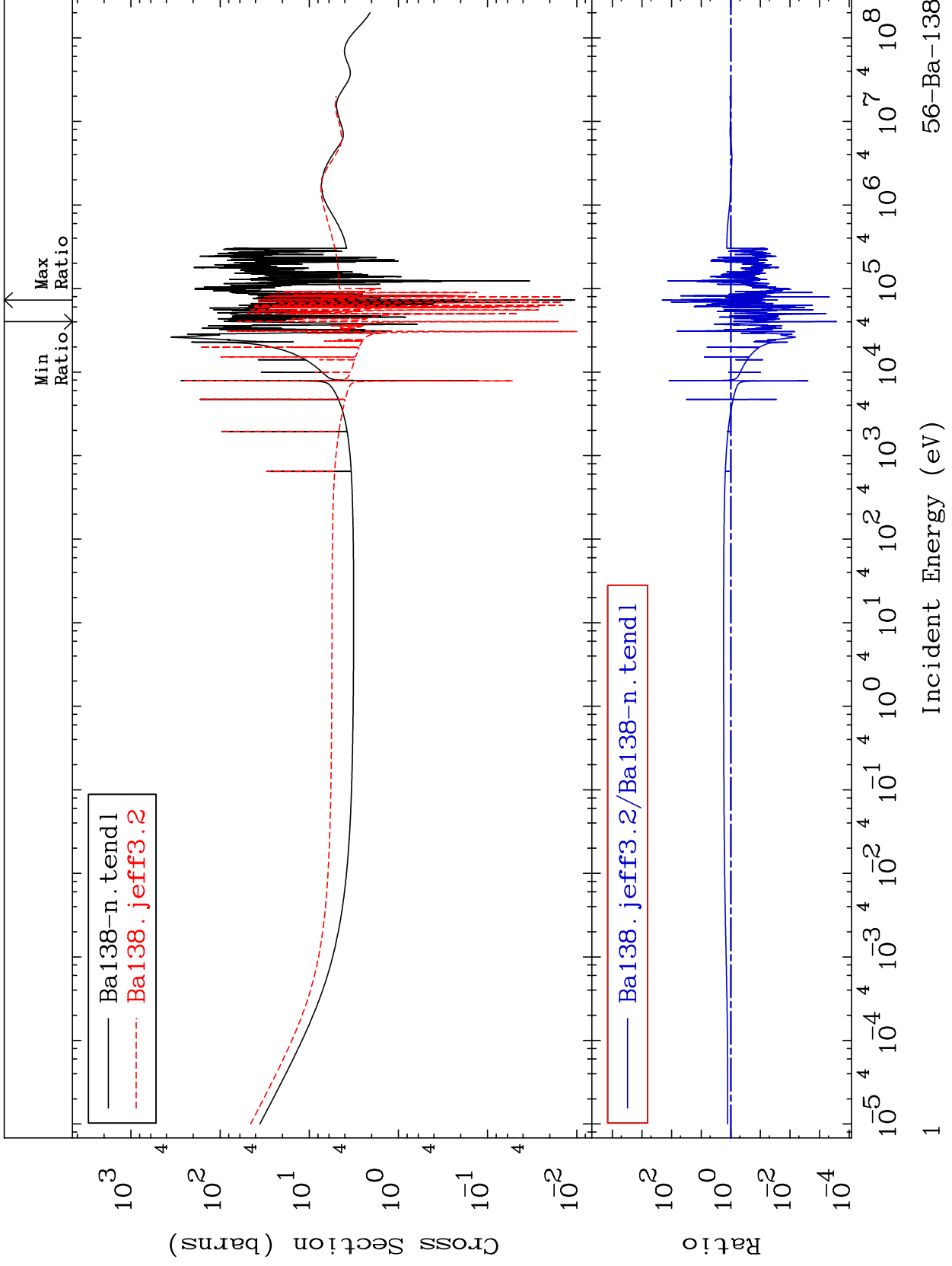


MAT 5649

Total
Cross Section

56-Ba-138
-99.97 To 9999. %



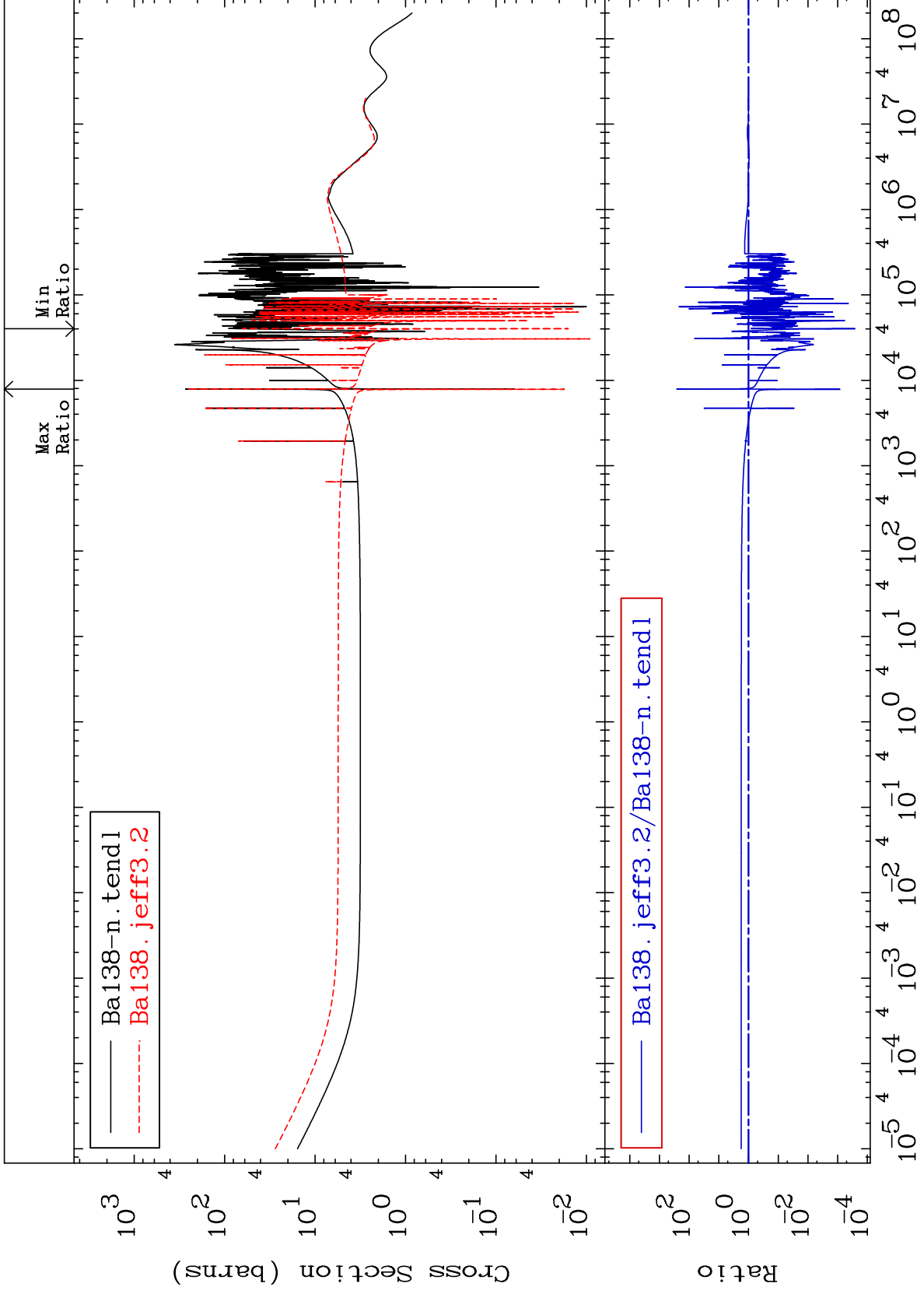
Incident Energy (eV)

56-Ba-138

MAT 5649

Elastic
Cross Section

56-Ba-138
-99.97 To 9999. %



Incident Energy (eV)

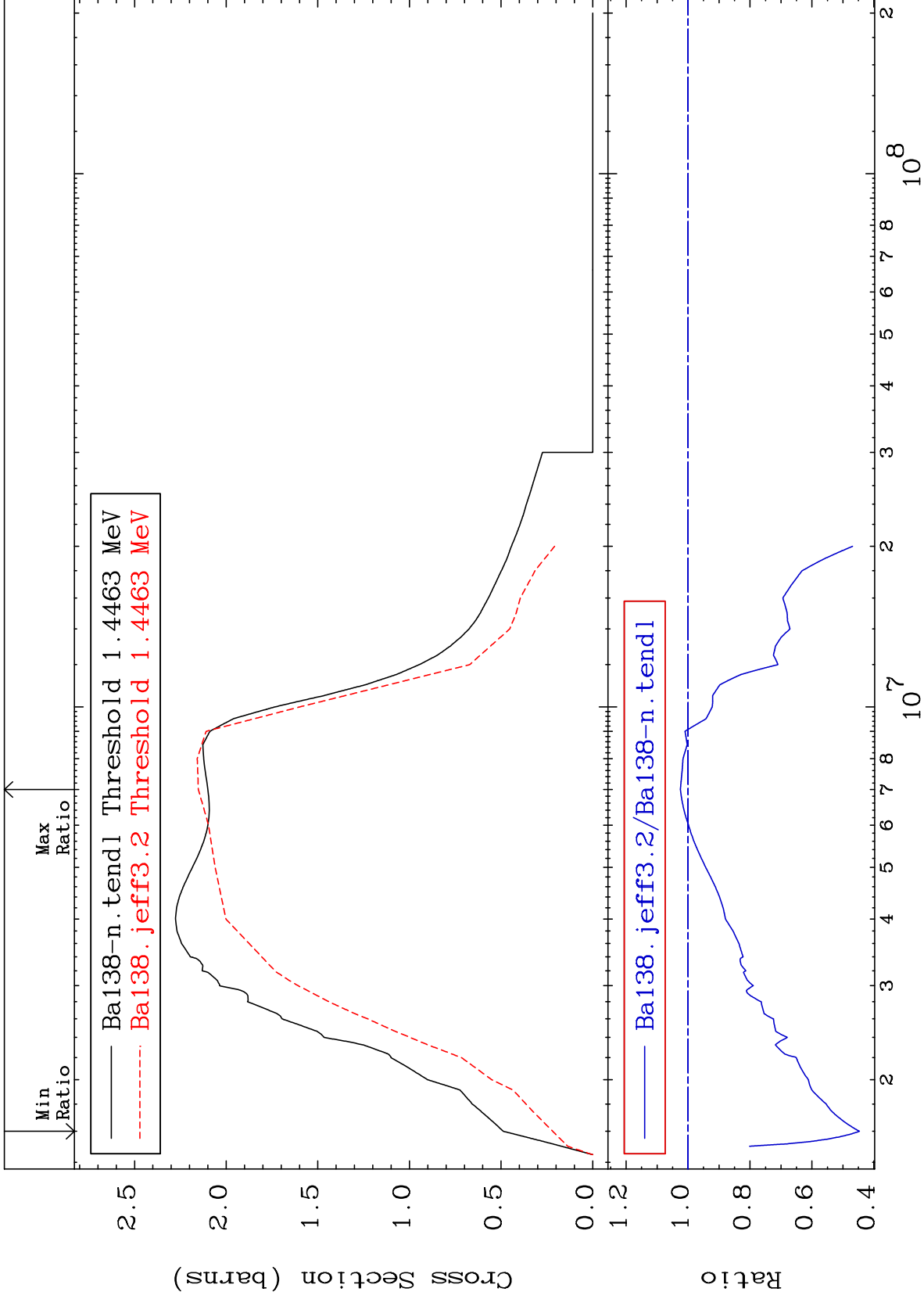
56-Ba-138

2

MAT 5649

Inelastic
Cross Section

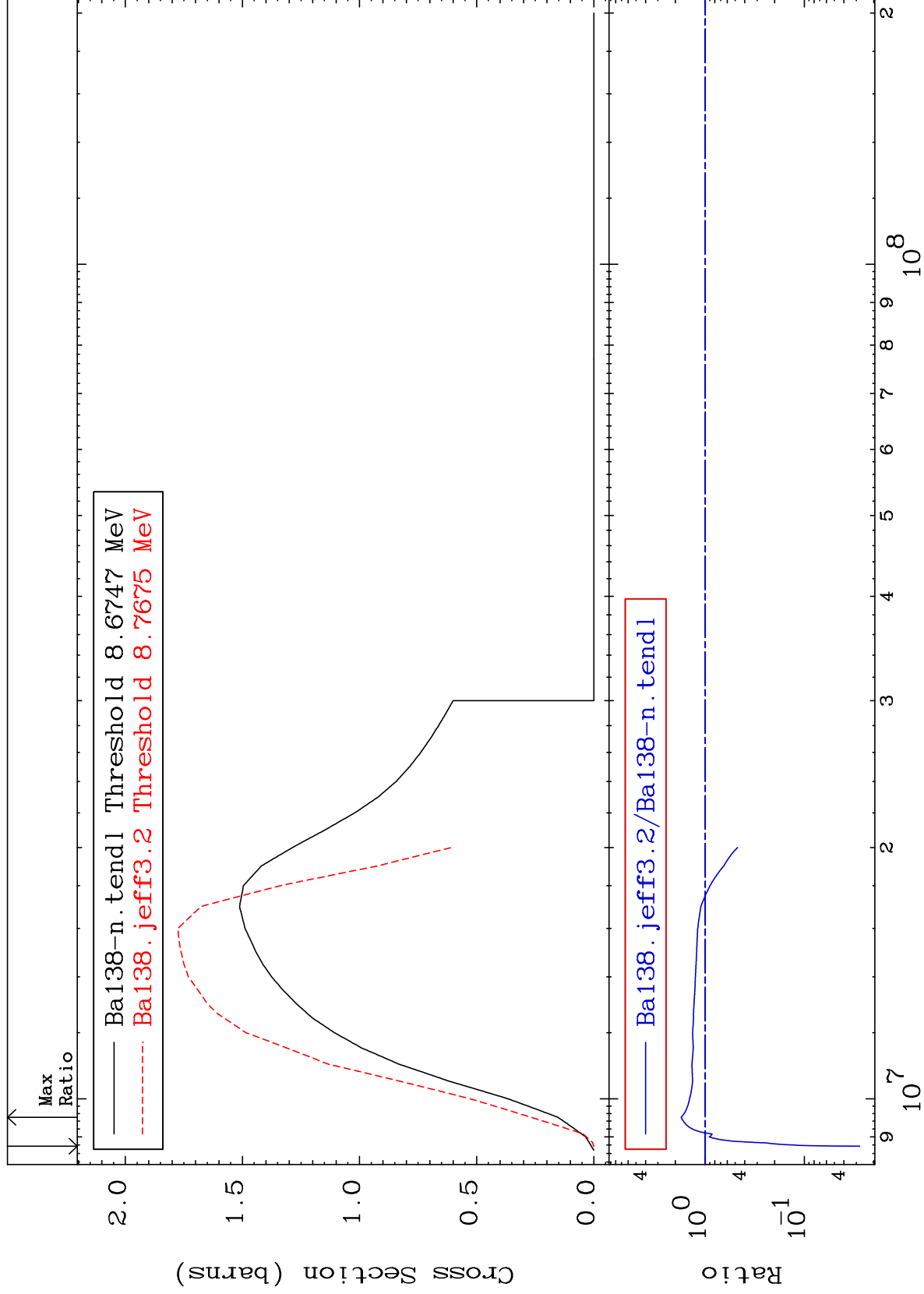
56-Ba-138
-55.32 To 2.487 %



MAT 5649

(n,2n)
Cross Section

56-Ba-138
-97.22 To 74.90 %



4

Incident Energy (eV)

56-Ba-138

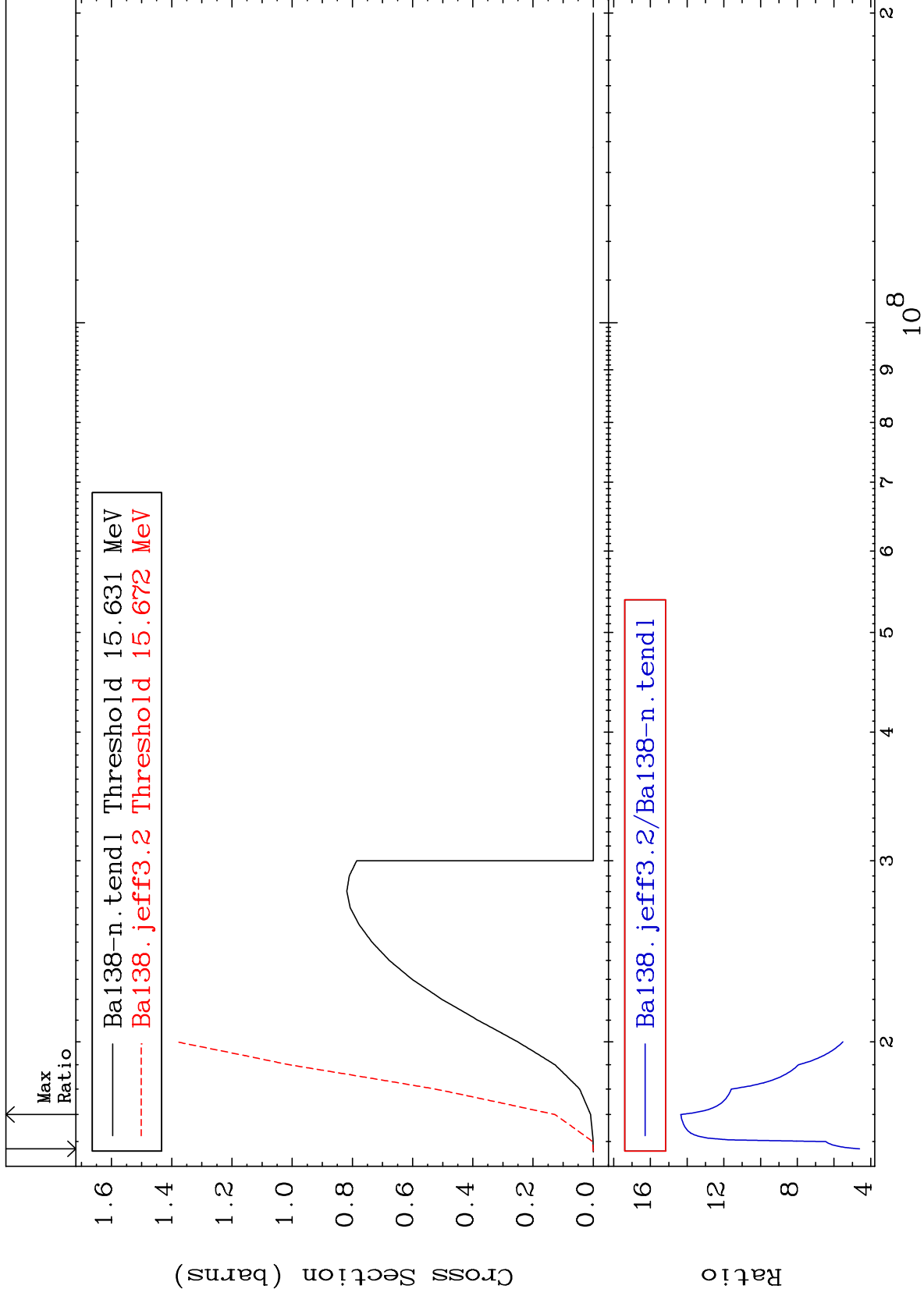
MAT 5649

(n,3n)

56-Ba-138

Cross Section

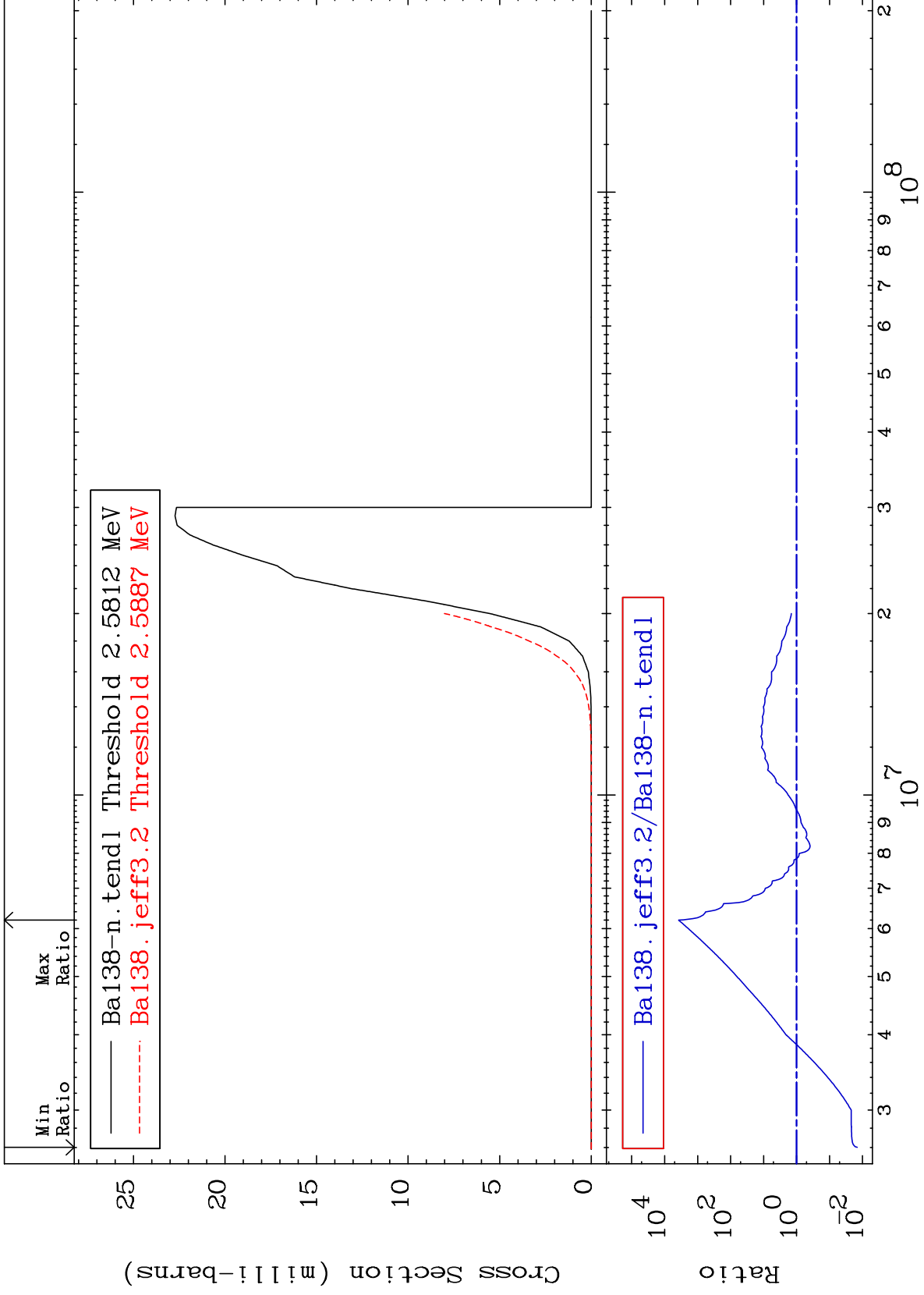
360.9 To 1335. %



MAT 5649

(n,n') α
Cross Section

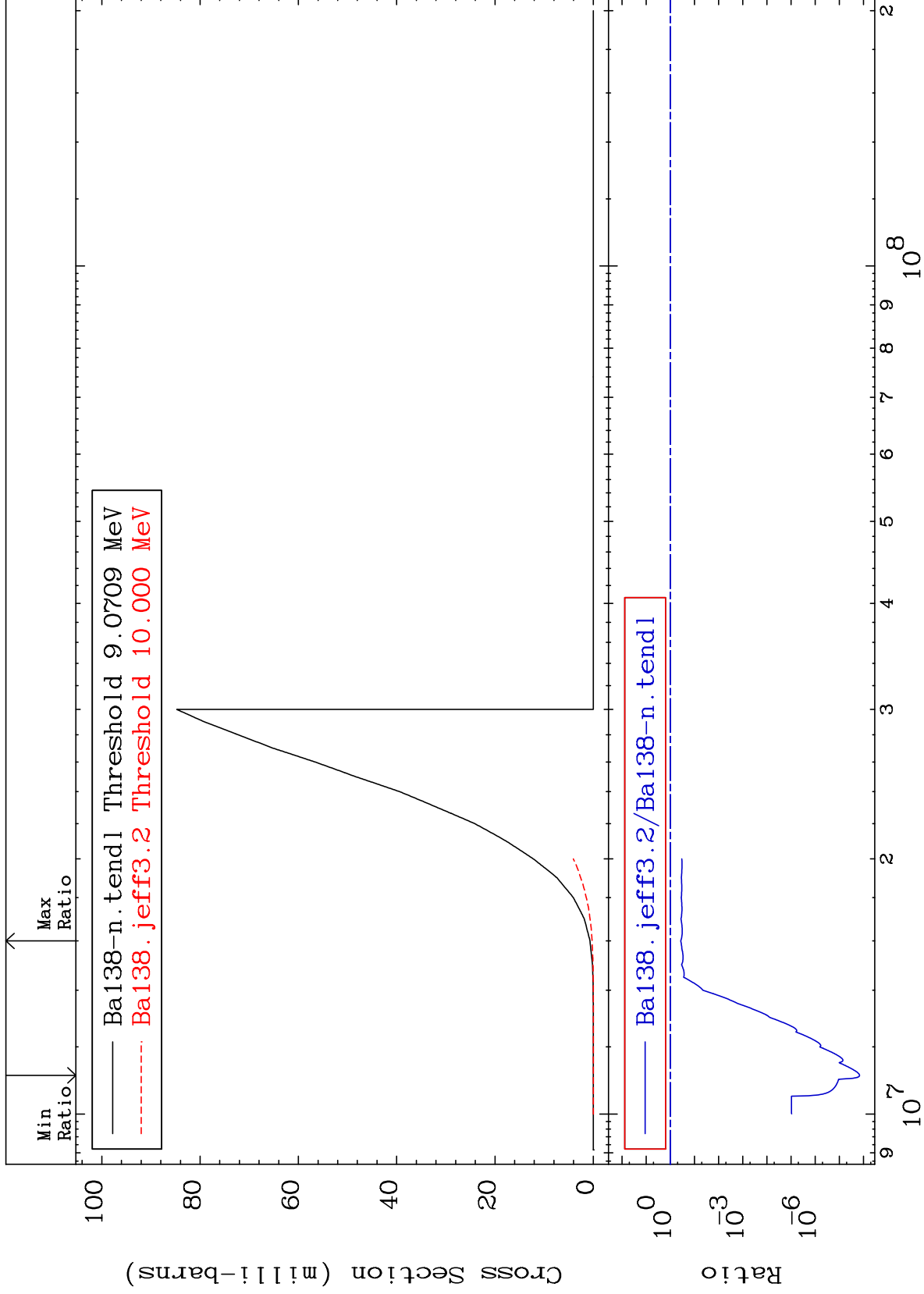
56-Ba-138
-98.55 To 9999. %



MAT 5649

(n,n') p
Cross Section

56-Ba-138
-100.0 To -63.24%



Incident Energy (eV)

56-Ba-138

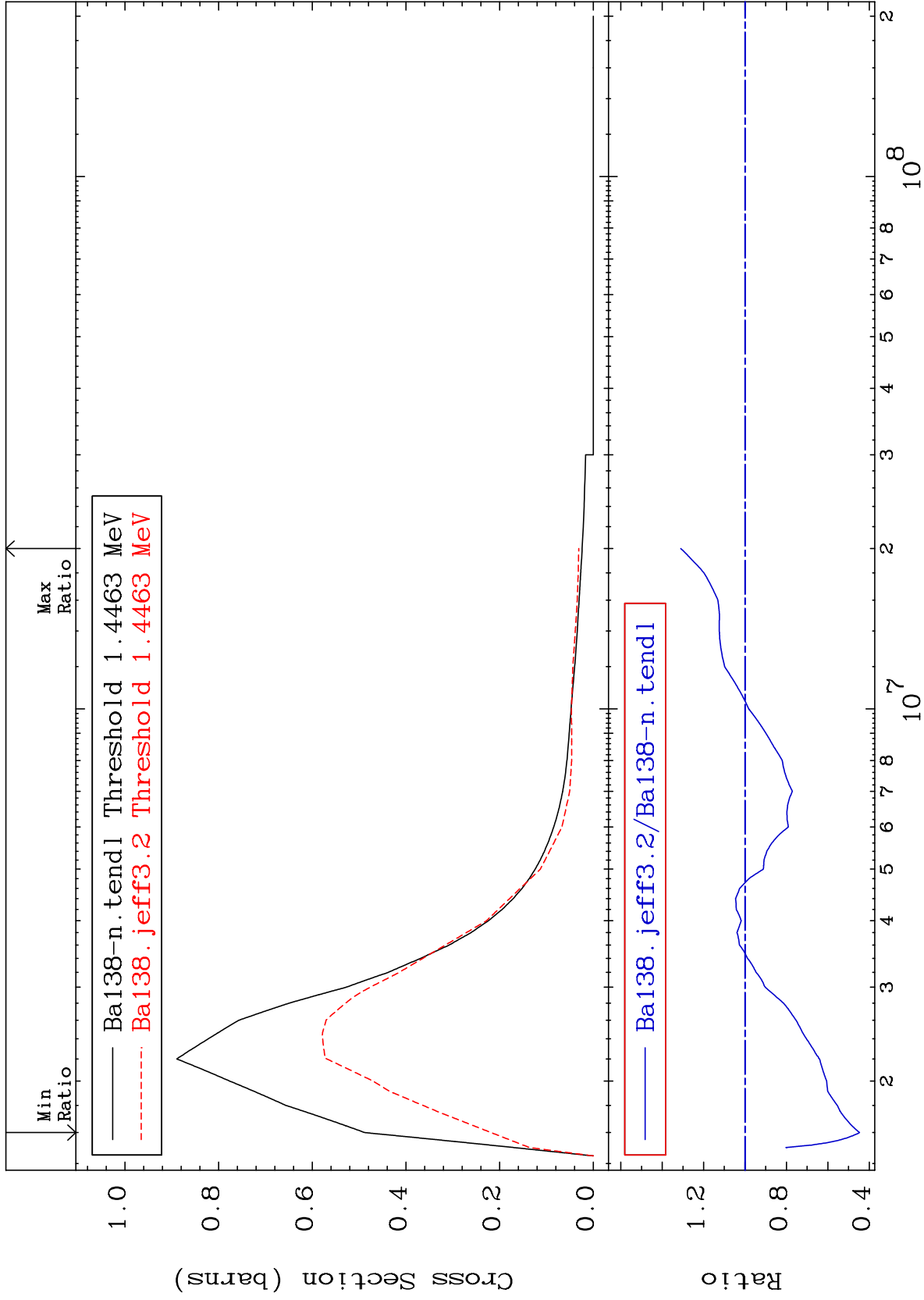
MAT 5649

1.436 MeV (n,n') Level

56-Ba-138

-55.32 To 31.04 %

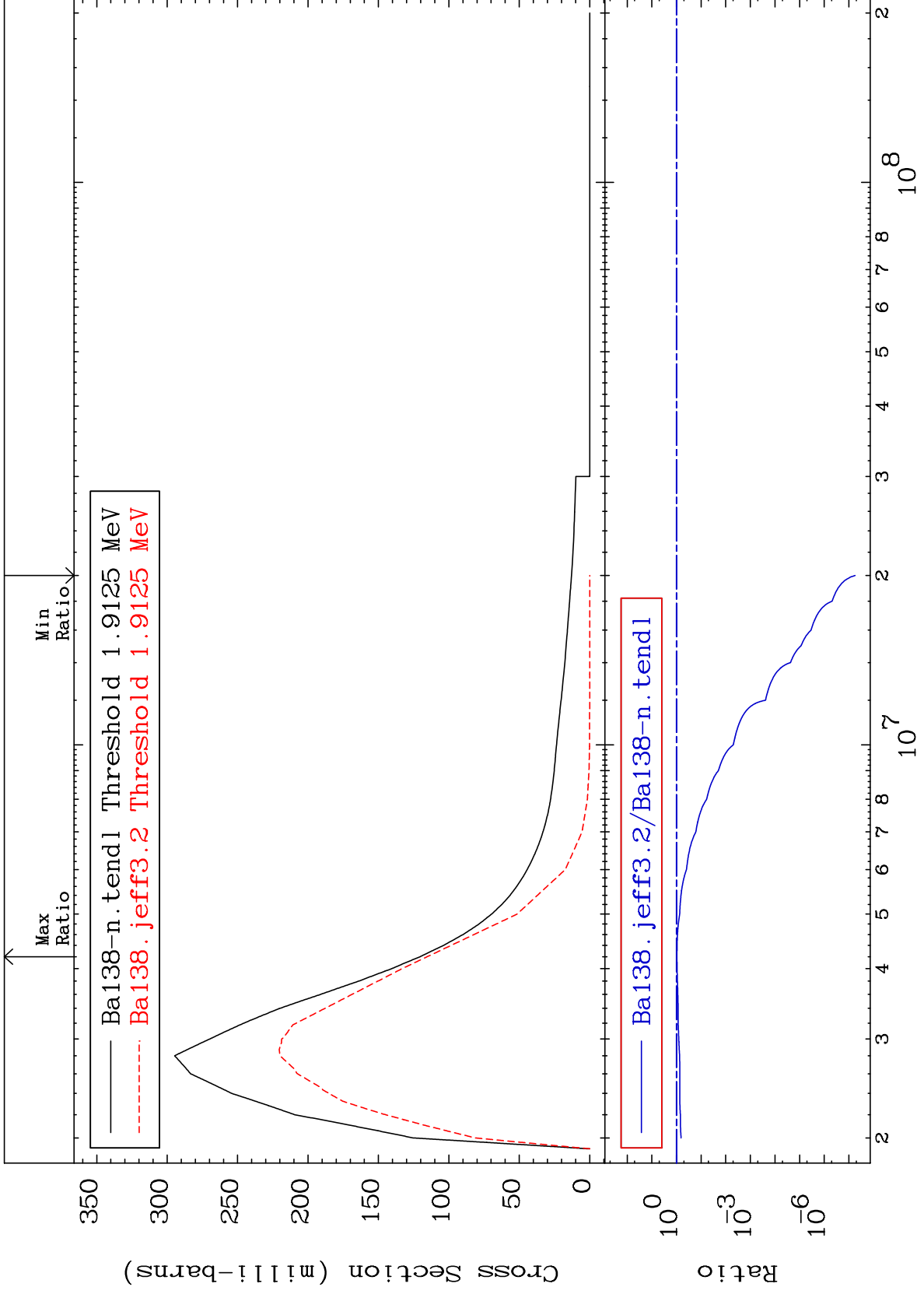
Cross Section



MAT 5649

1.899 MeV (n,n') Level
Cross Section

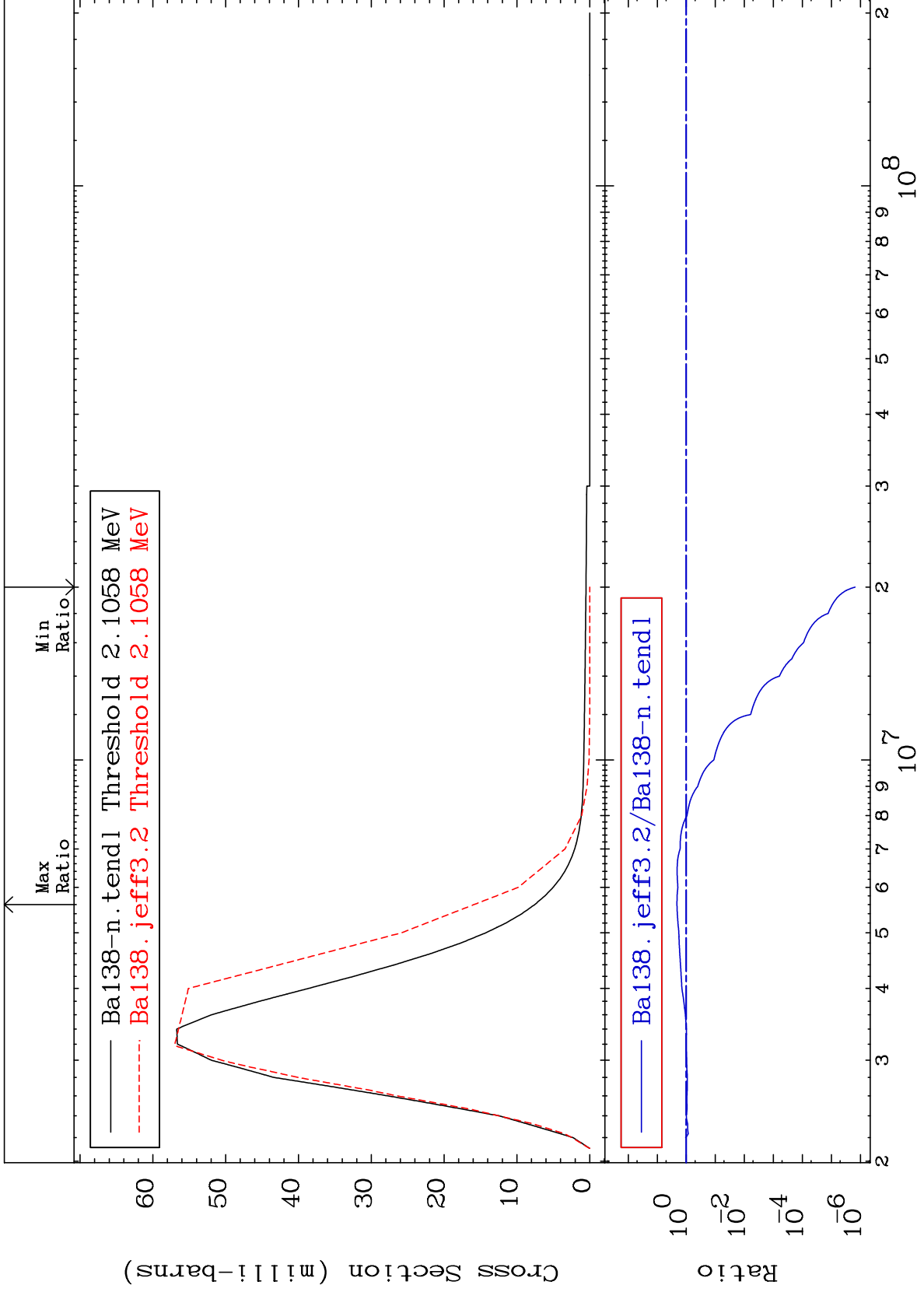
56-Ba-138
-100.0 To -4.248%



MAT 5649

2.091 MeV (n,n') Level
Cross Section

56-Ba-138
-100.0 To 110.7 %



10

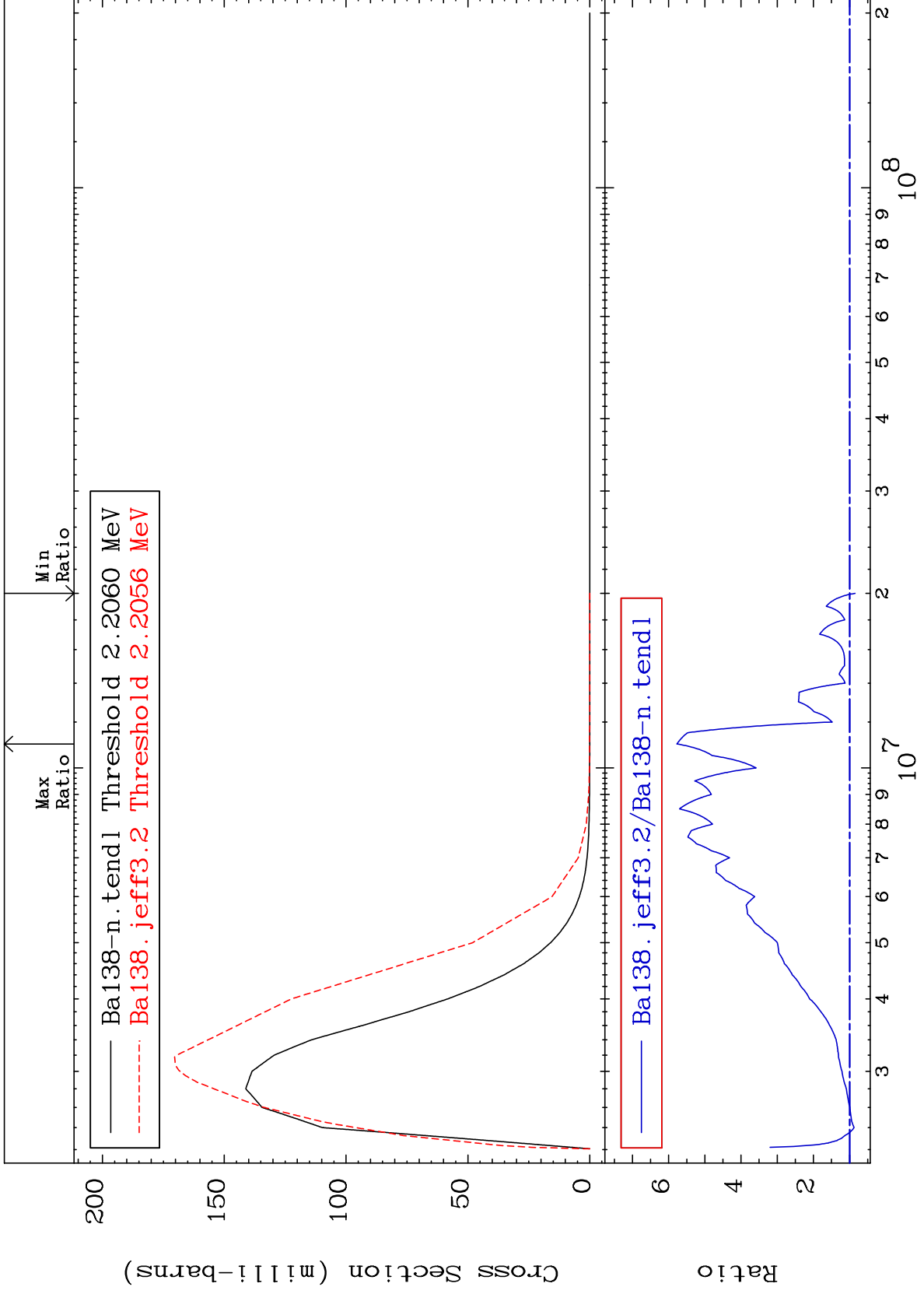
56-Ba-138

56-Ba-138

MAT 5649

2.190 MeV (n,n') Level
Cross Section

56-Ba-138
-15.09 To 477.1 %



11

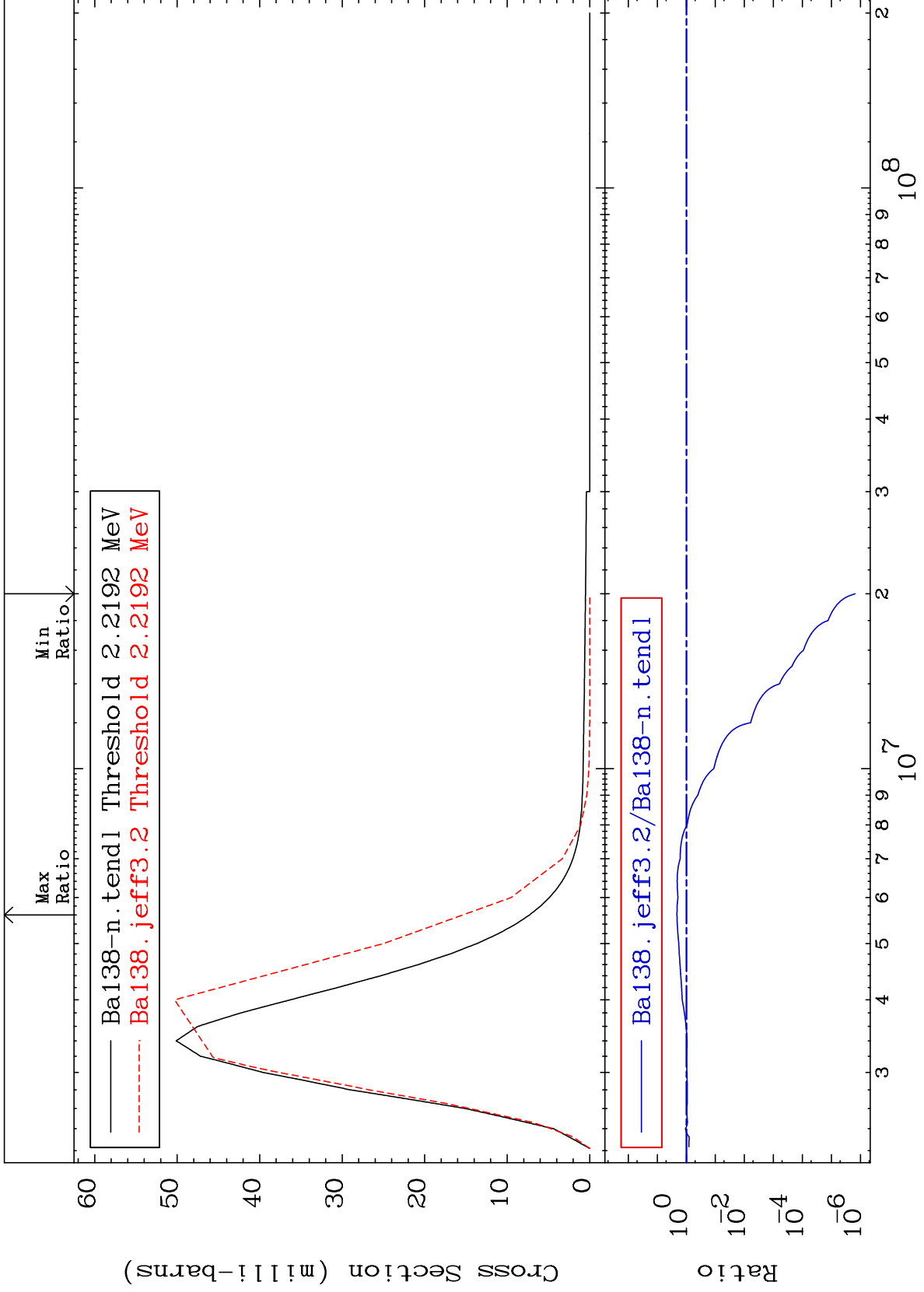
Incident Energy (eV)

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)

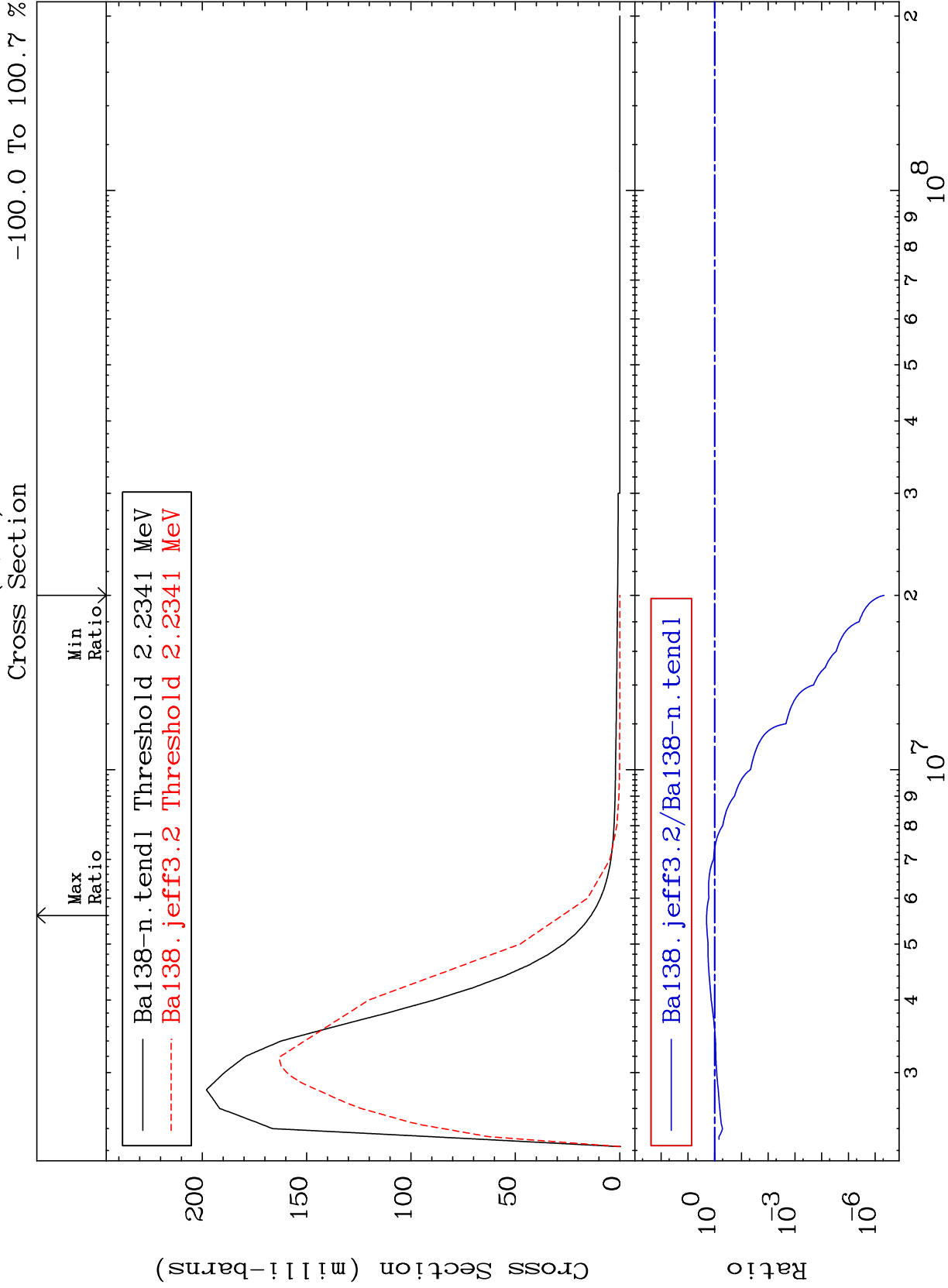
56-Ba-138

MAT 5649

2.218 MeV (n,n') Level

56-Ba-138

-100.0 To 100.7 %

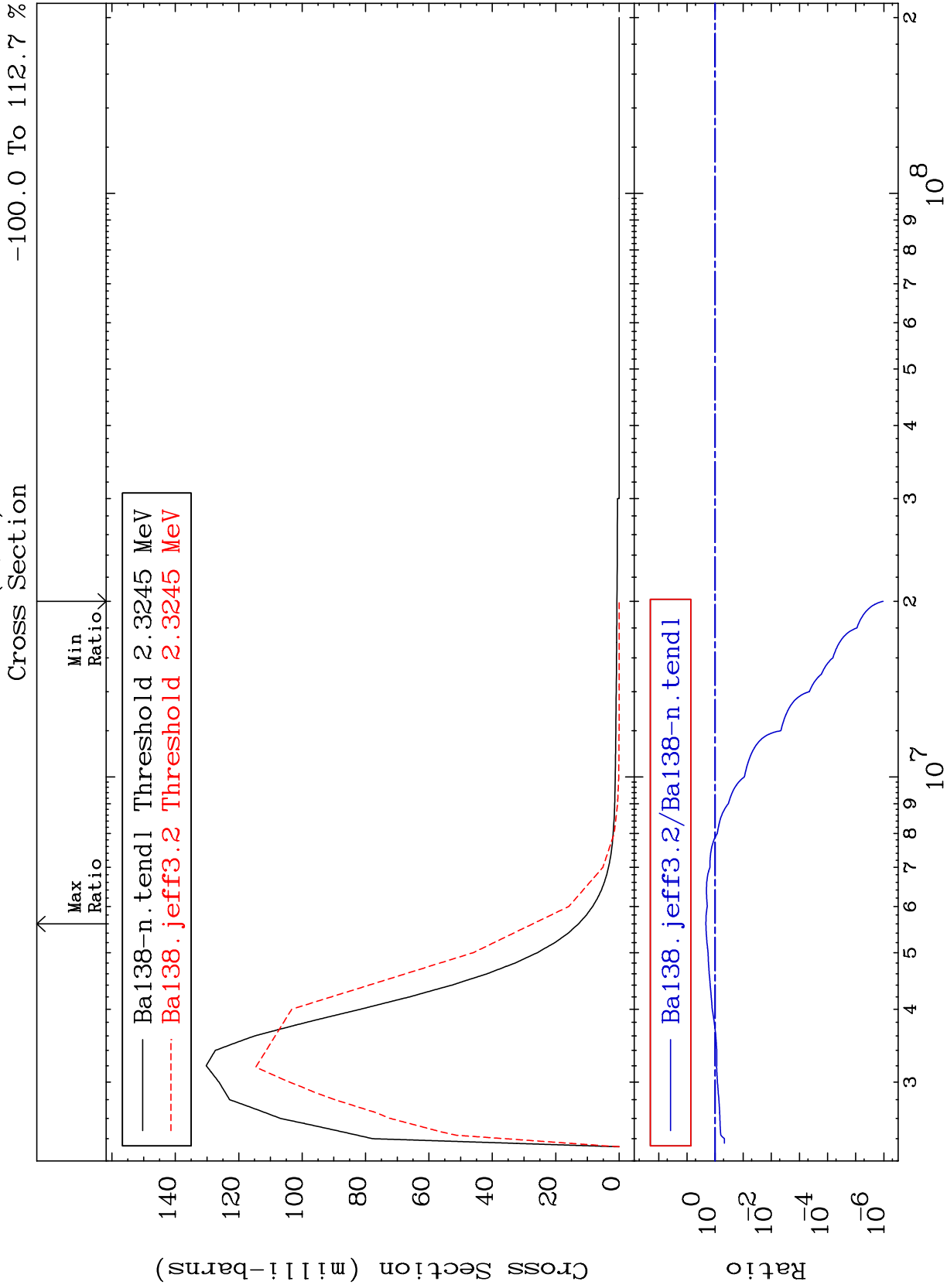


MAT 5649

2.308 MeV (n,n') Level

56-Ba-138

-100.0 To 112.7 %



14

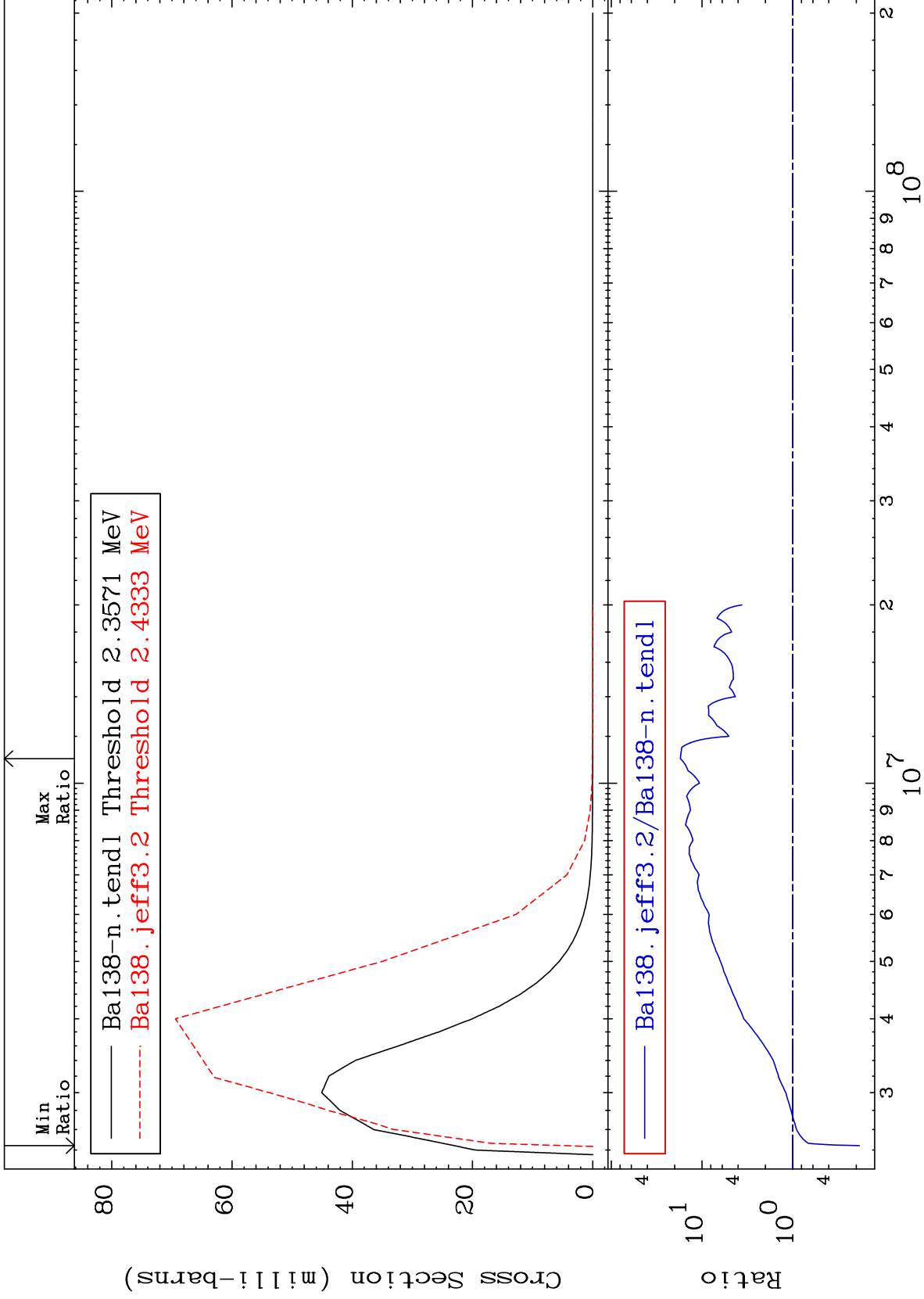
Incident Energy (eV)

56-Ba-138

MAT 5649

2.340 MeV (n,n') Level
Cross Section

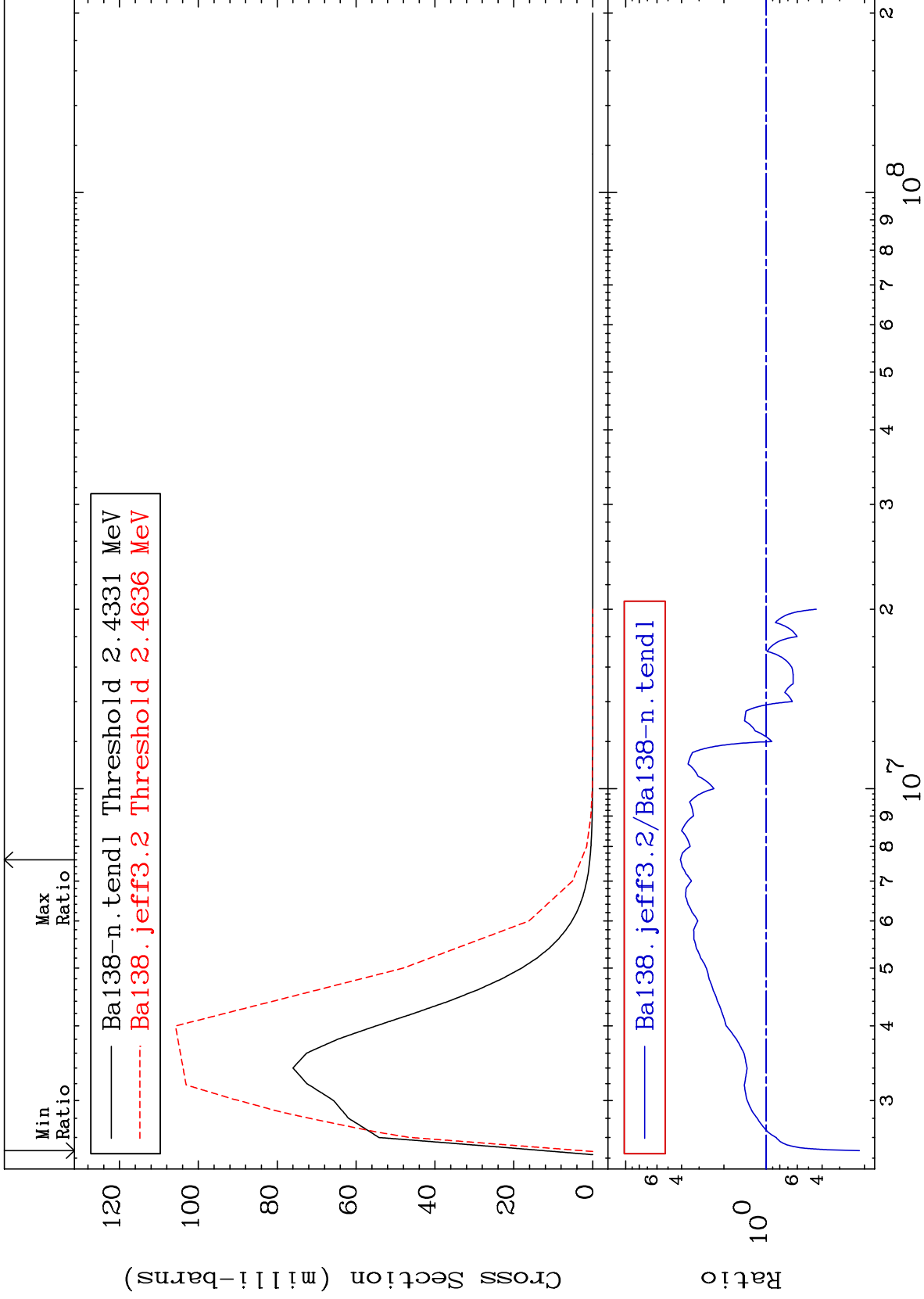
56-Ba-138
-81.57 To 1632. %



MAT 5649

2.415 MeV (n,n') Level
Cross Section

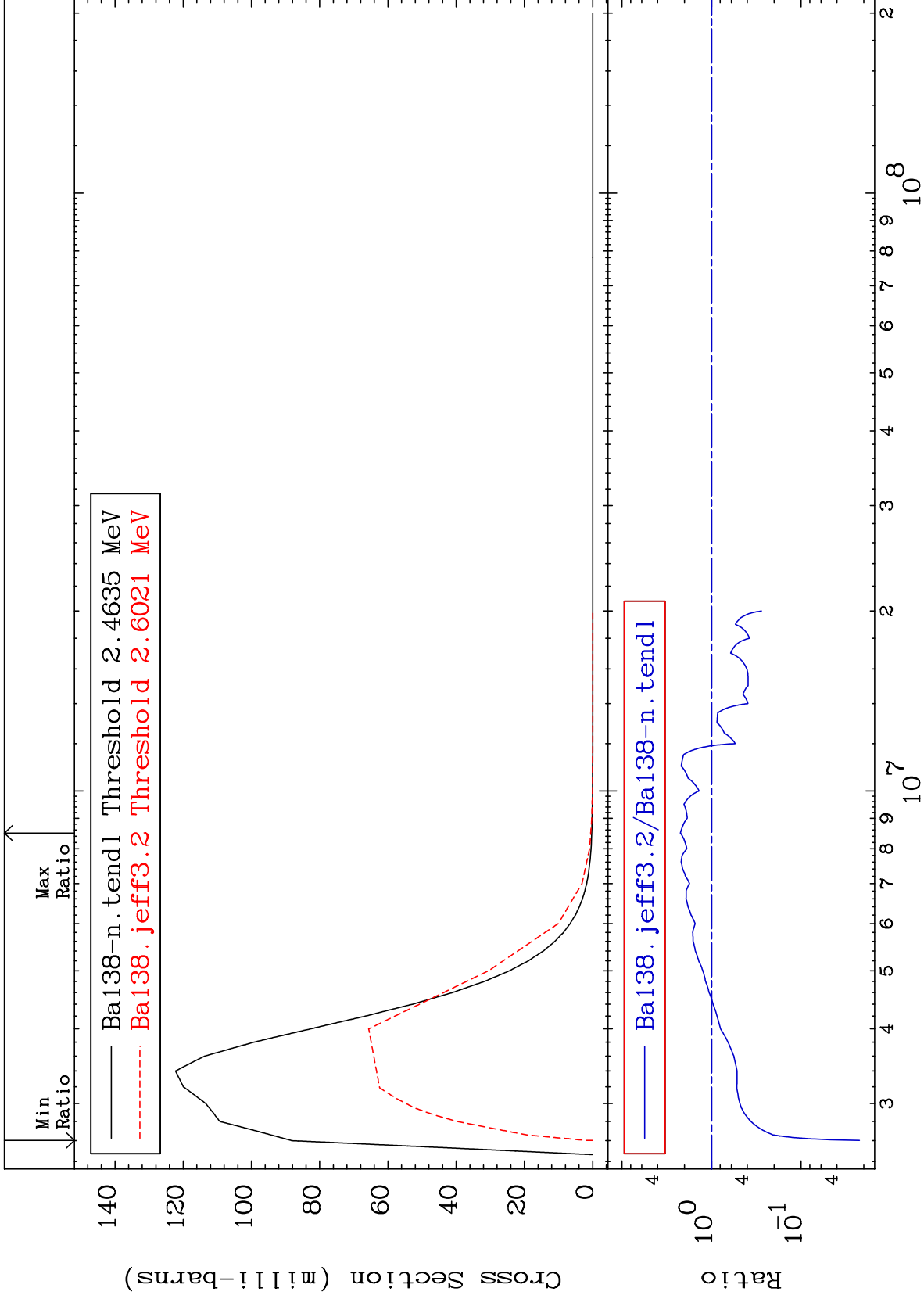
56-Ba-138
-78.30 To 308.3 %



16

56-Ba-138

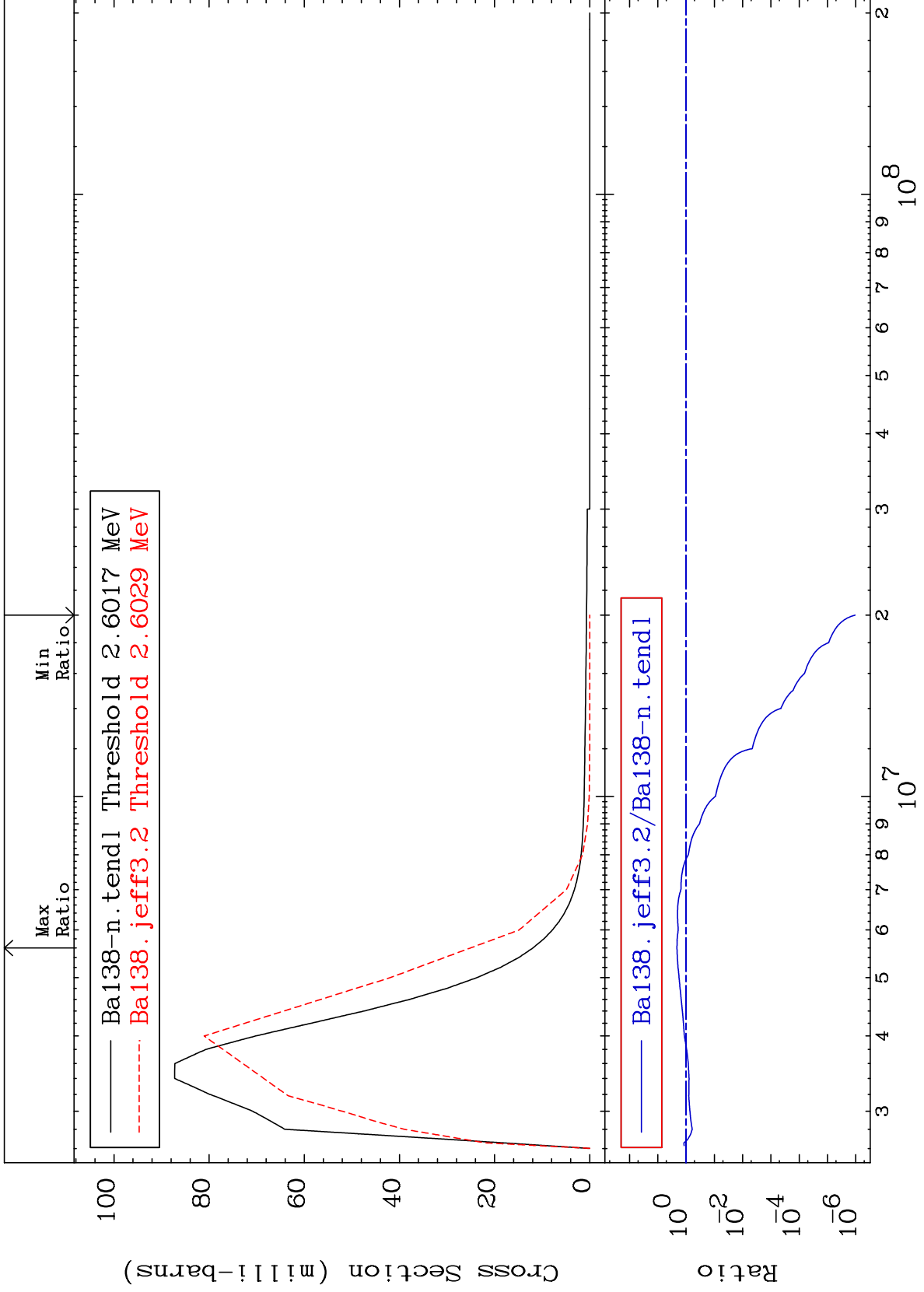
56-Ba-138



MAT 5649

2.583 MeV (n,n') Level
Cross Section

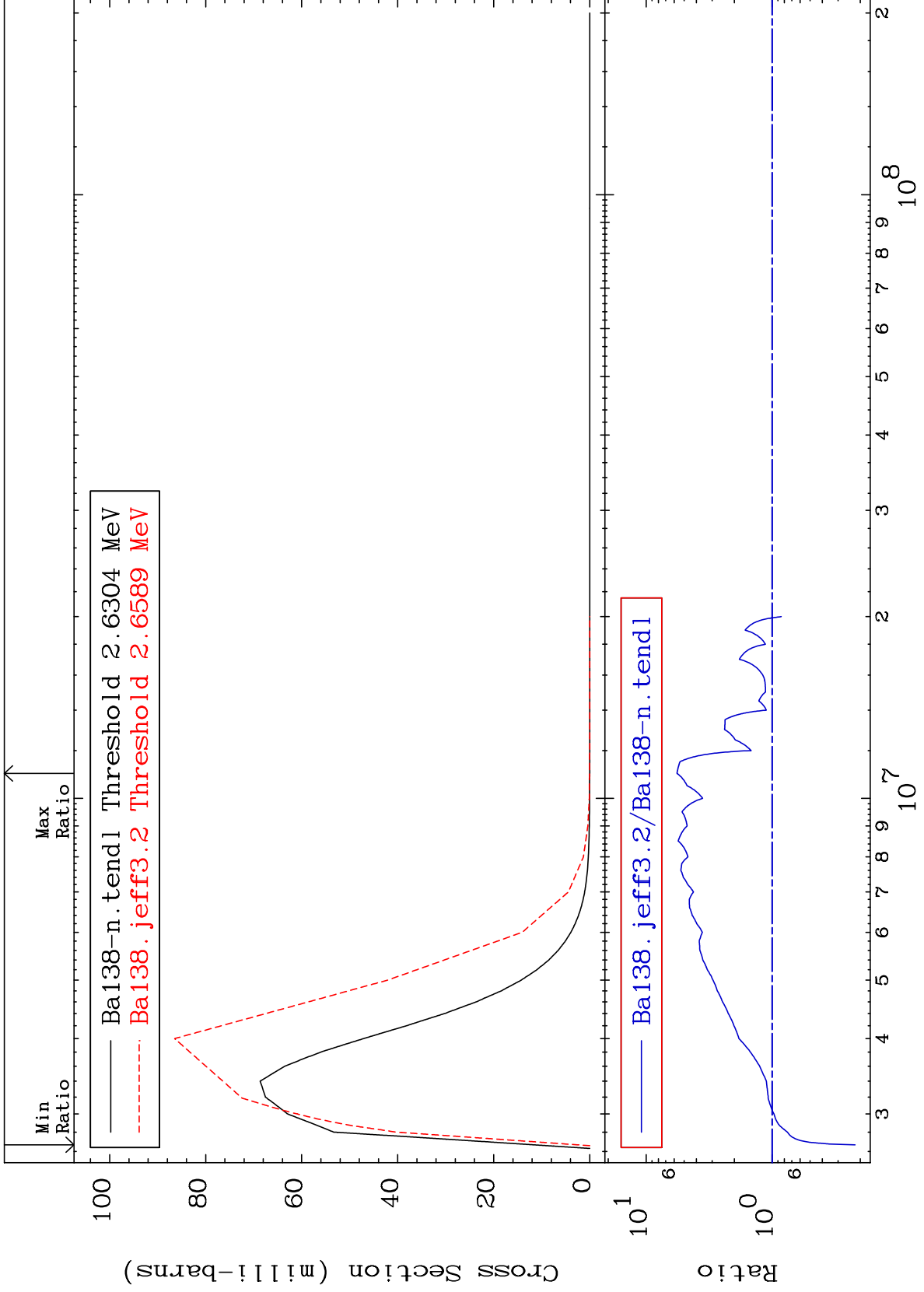
56-Ba-138
-100.0 To 110.3 %



MAT 5649

2.611 MeV (n,n') Level
Cross Section

56-Ba-138
-78.02 To 470.5 %



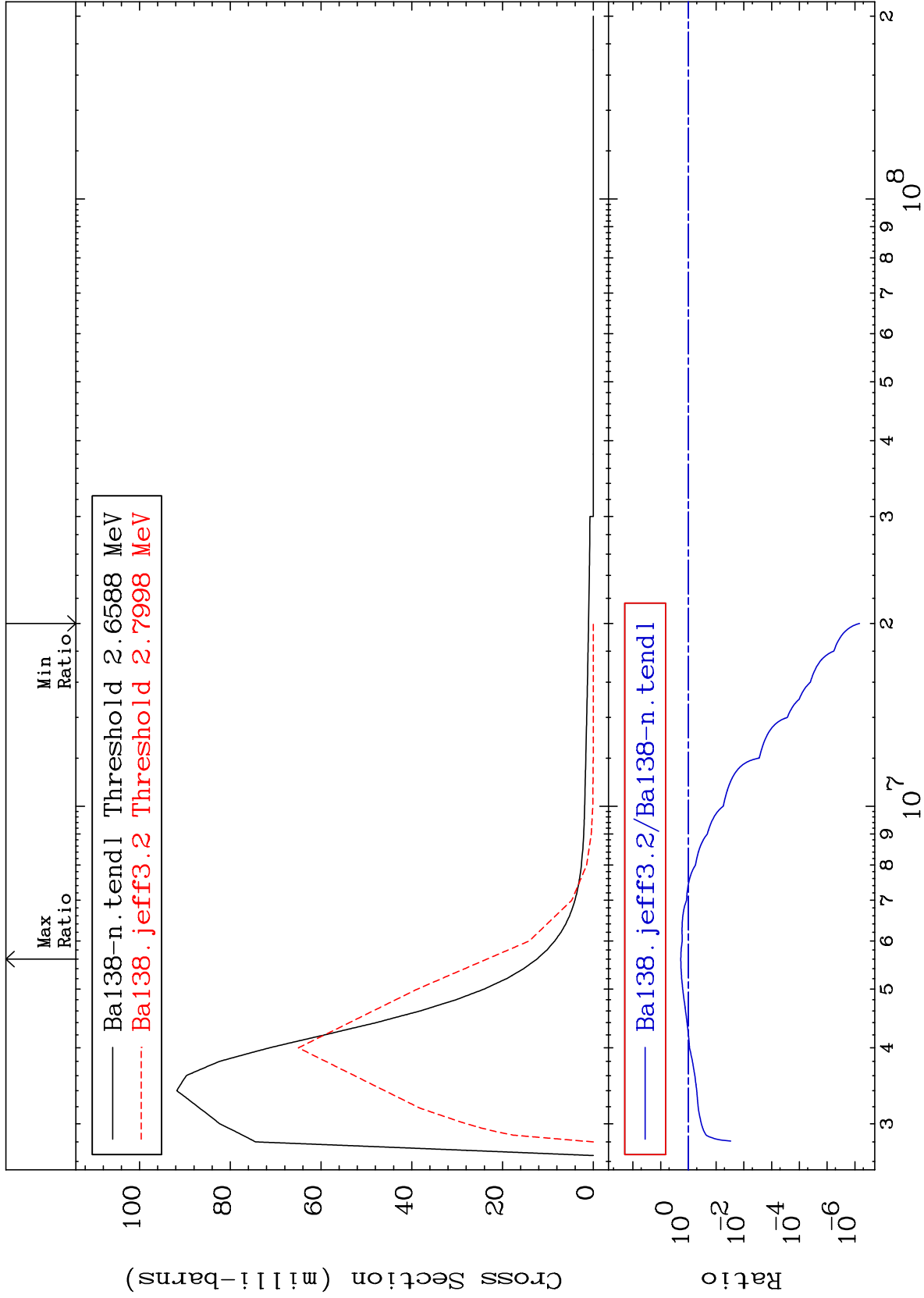
MAT 5649

2.639 MeV (n,n') Level

56-Ba-138

-100.0 To 88.39 %

Cross Section



20

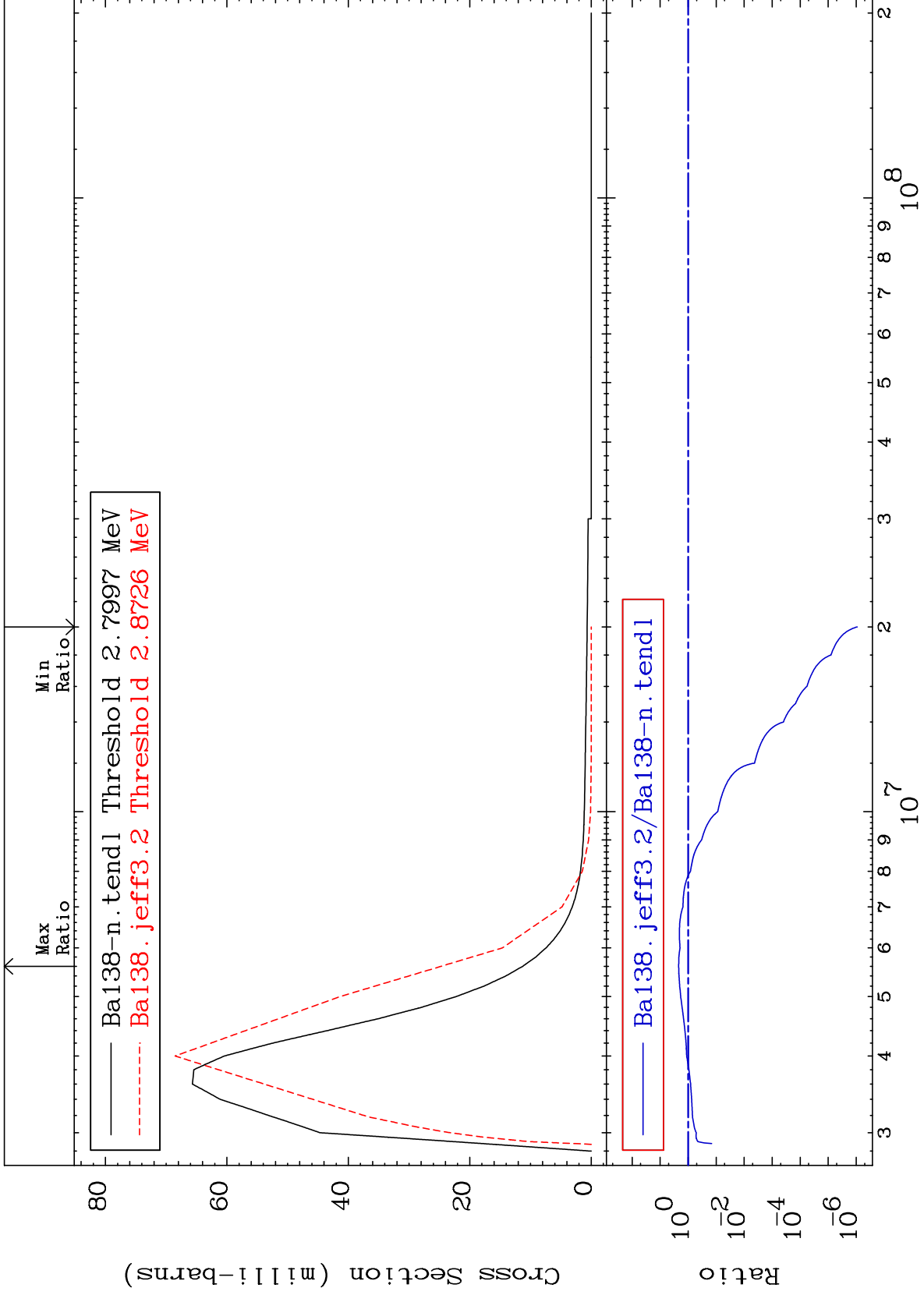
Incident Energy (eV)

56-Ba-138

MAT 5649

2.779 MeV (n,n') Level
Cross Section

56-Ba-138
-100.0 To 119.4 %



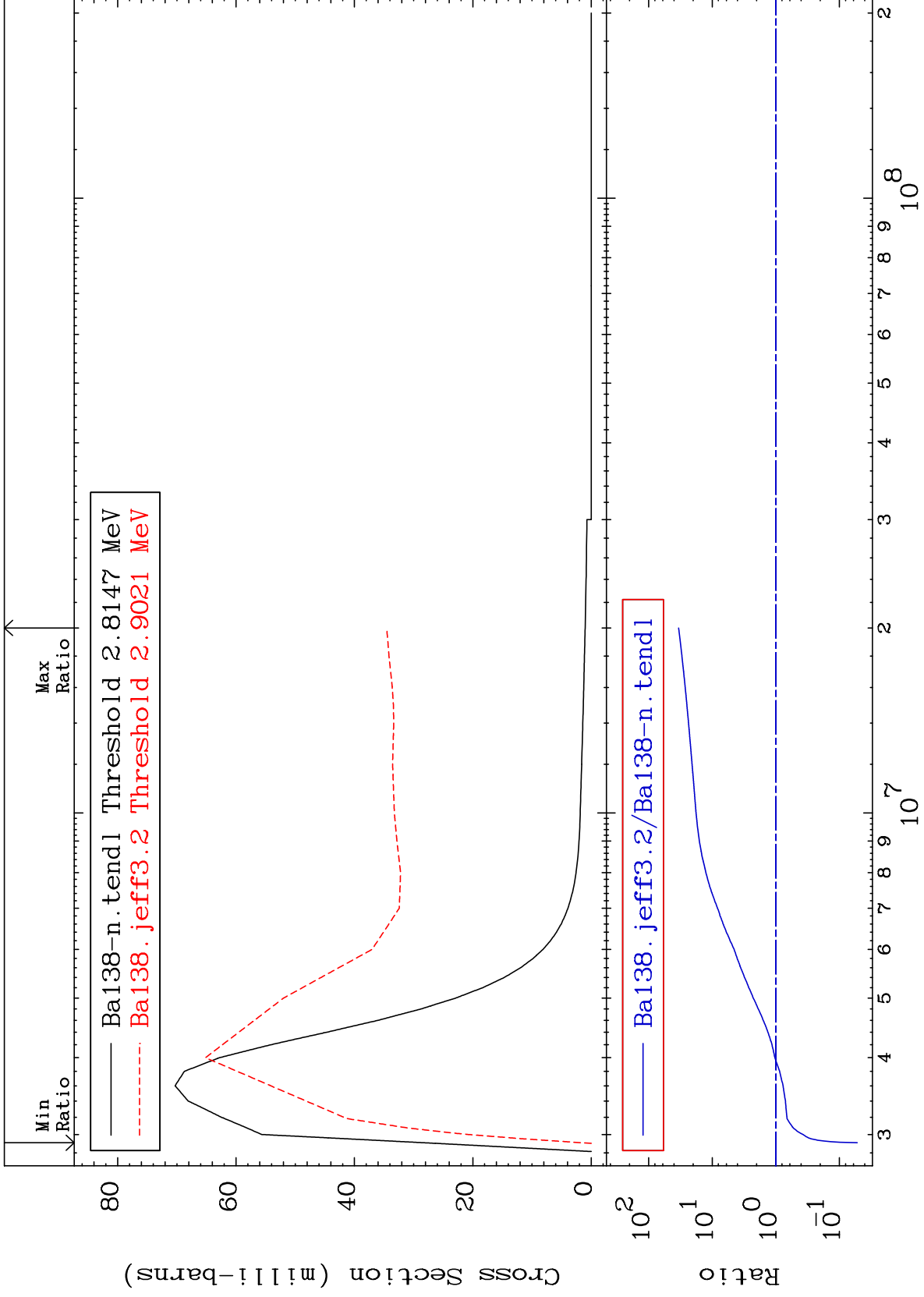
21

56-Ba-138

MAT 5649

2.794 MeV (n,n') Level
Cross Section

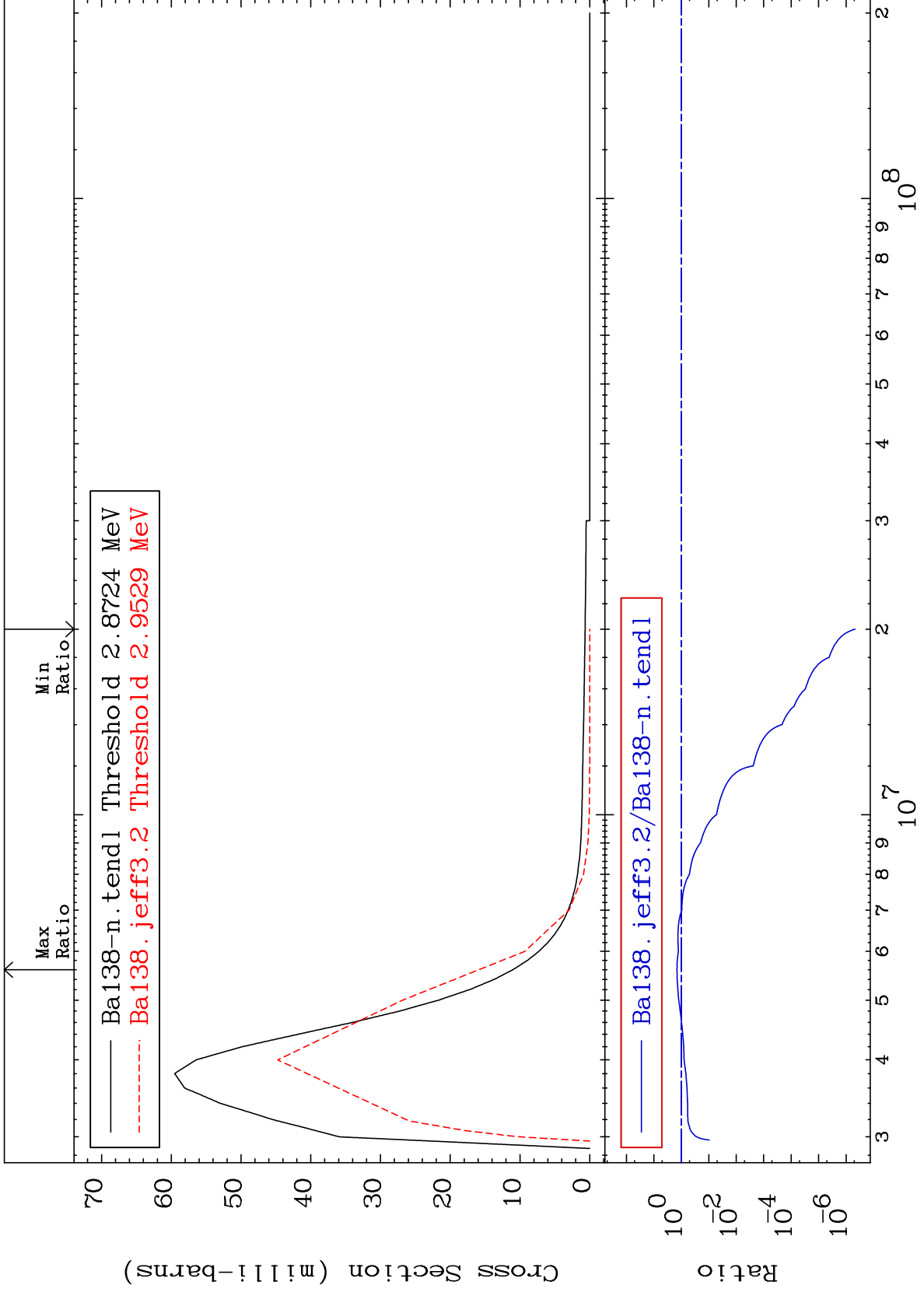
56-Ba-138
-94.75 To 3275. %



MAT 5649

2.852 MeV (n,n') Level
Cross Section

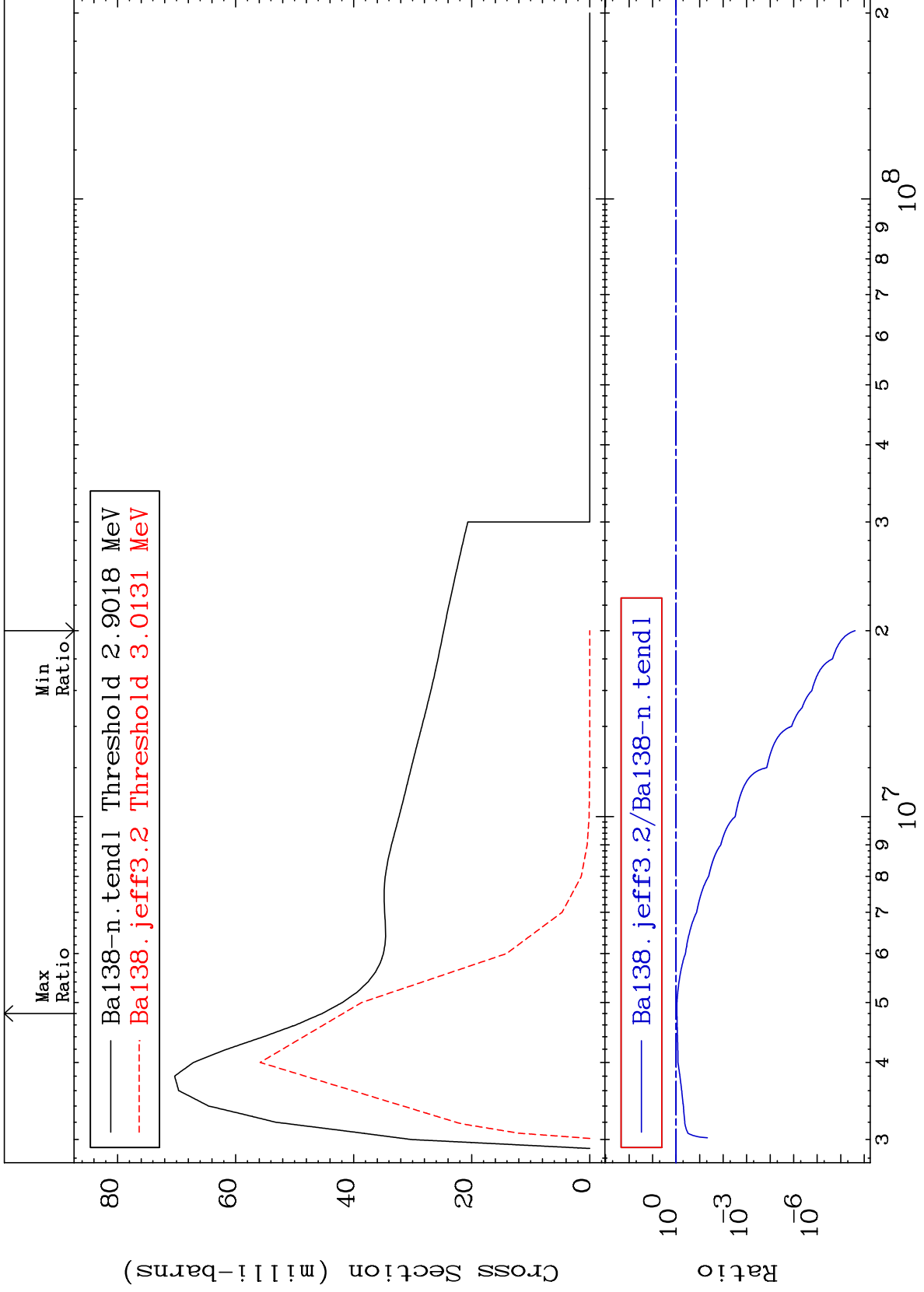
56-Ba-138
-100.0 To 44.41 %



MAT 5649

2.881 MeV (n,n') Level
Cross Section

56-Ba-138
-100.0 To -7.757%



24

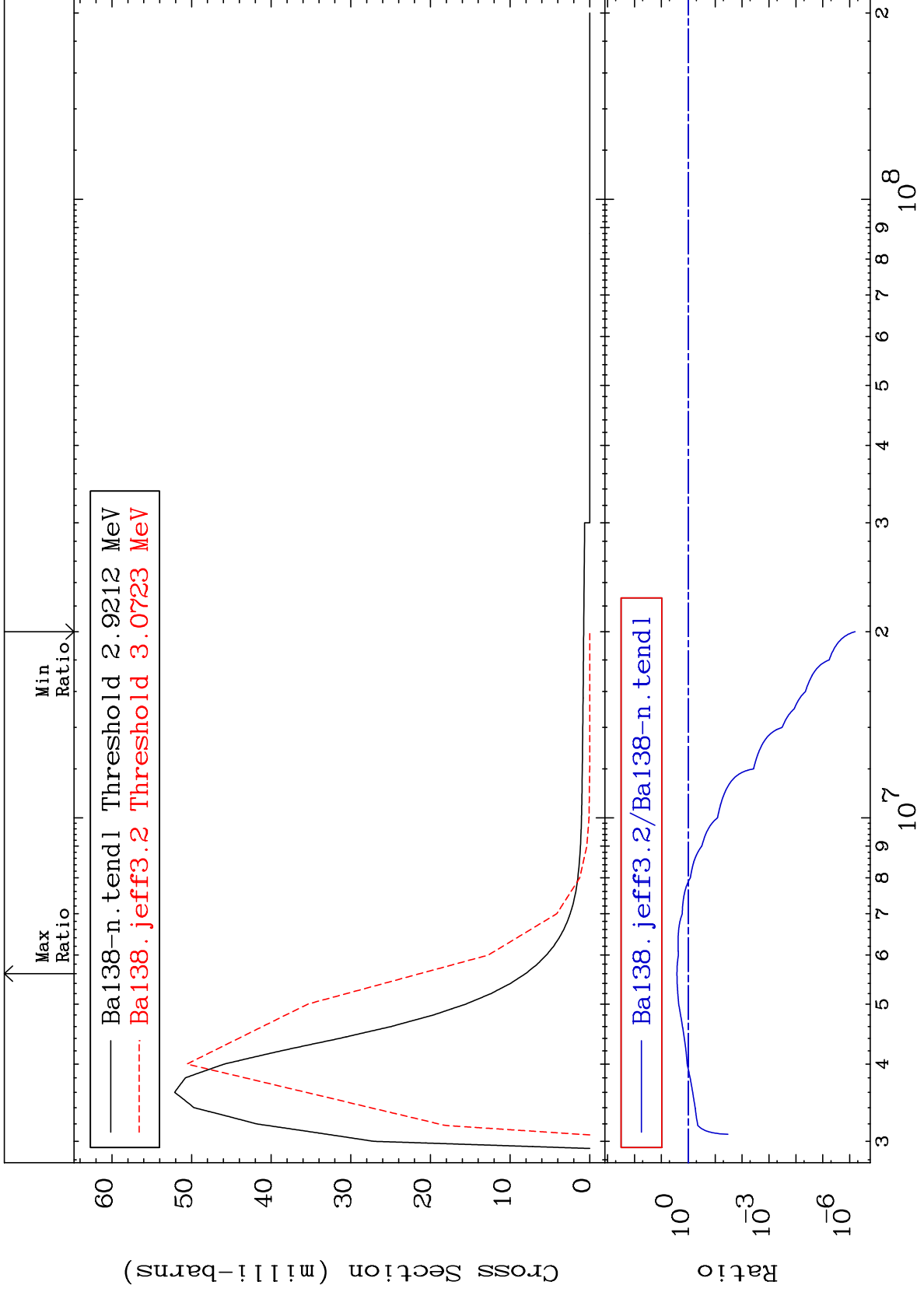
Incident Energy (eV)

56-Ba-138

MAT 5649

2.900 MeV (n,n') Level
Cross Section

56-Ba-138
-100.0 To 164.6 %



25

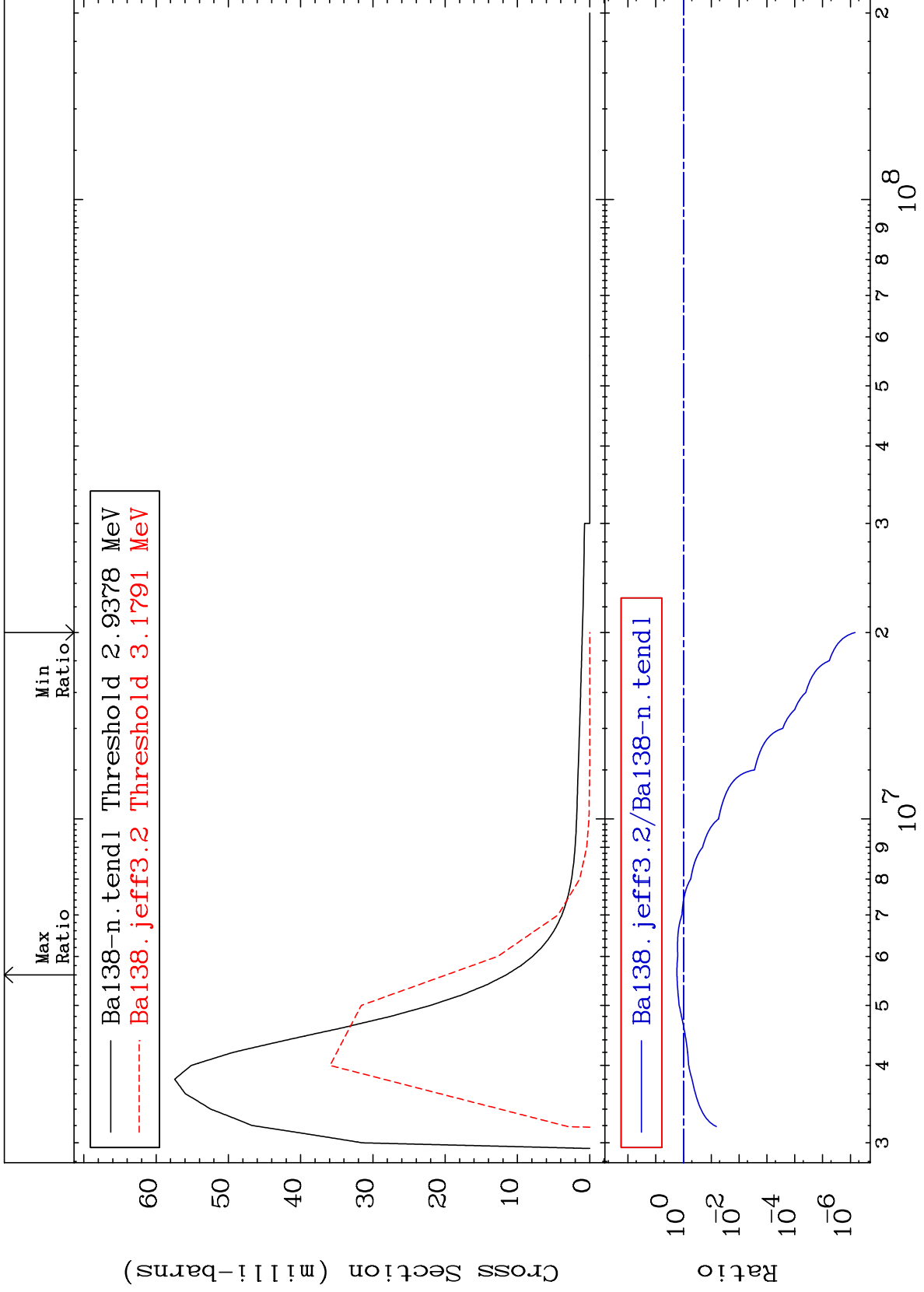
Incident Energy (eV)

56-Ba-138

MAT 5649

2.916 MeV (n,n') Level
Cross Section

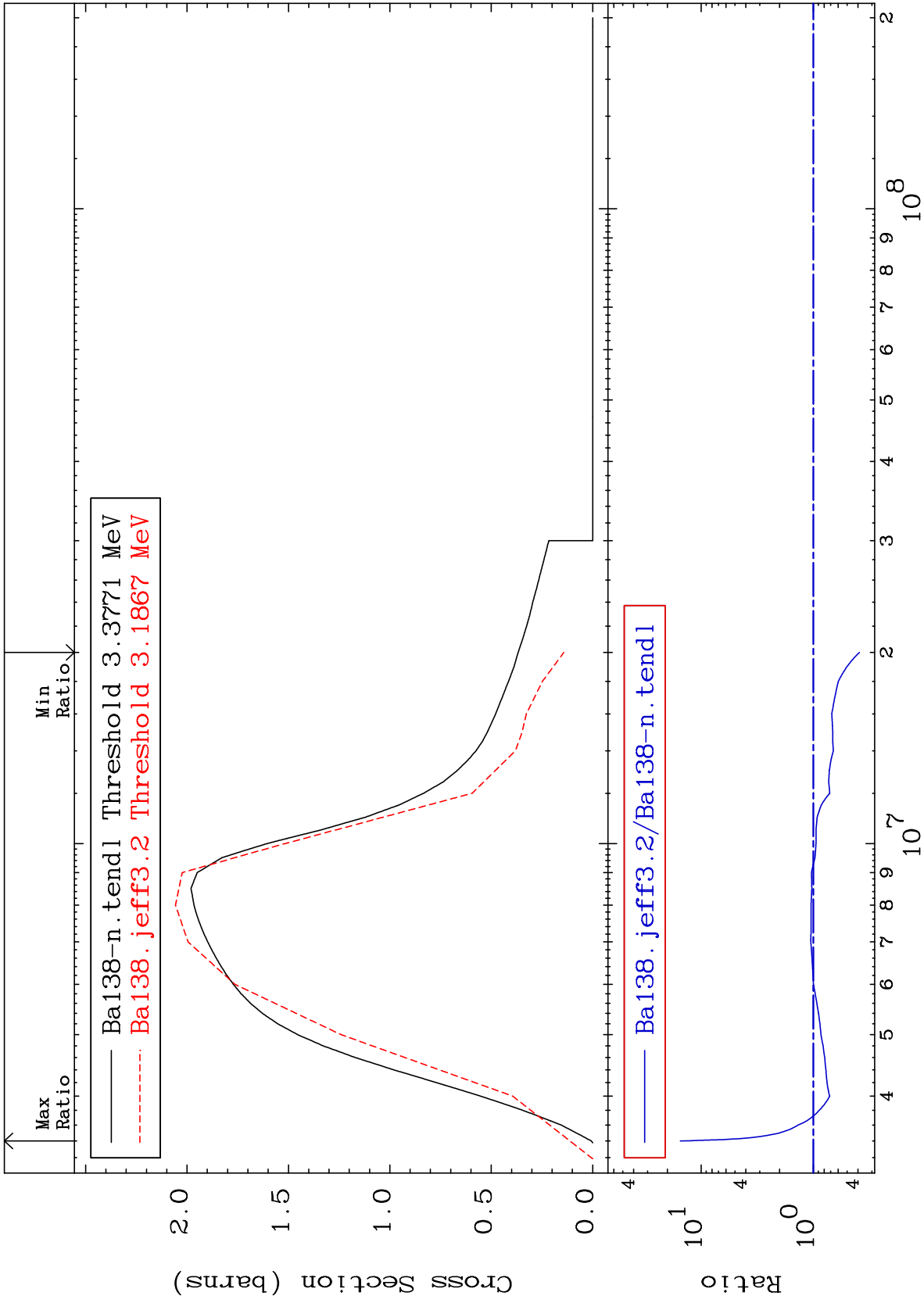
56-Ba-138
-100.0 To 71.97 %



MAT 5649

(n, n') Continuum
Cross Section

56-Ba-138
-61.24 To 1430. %



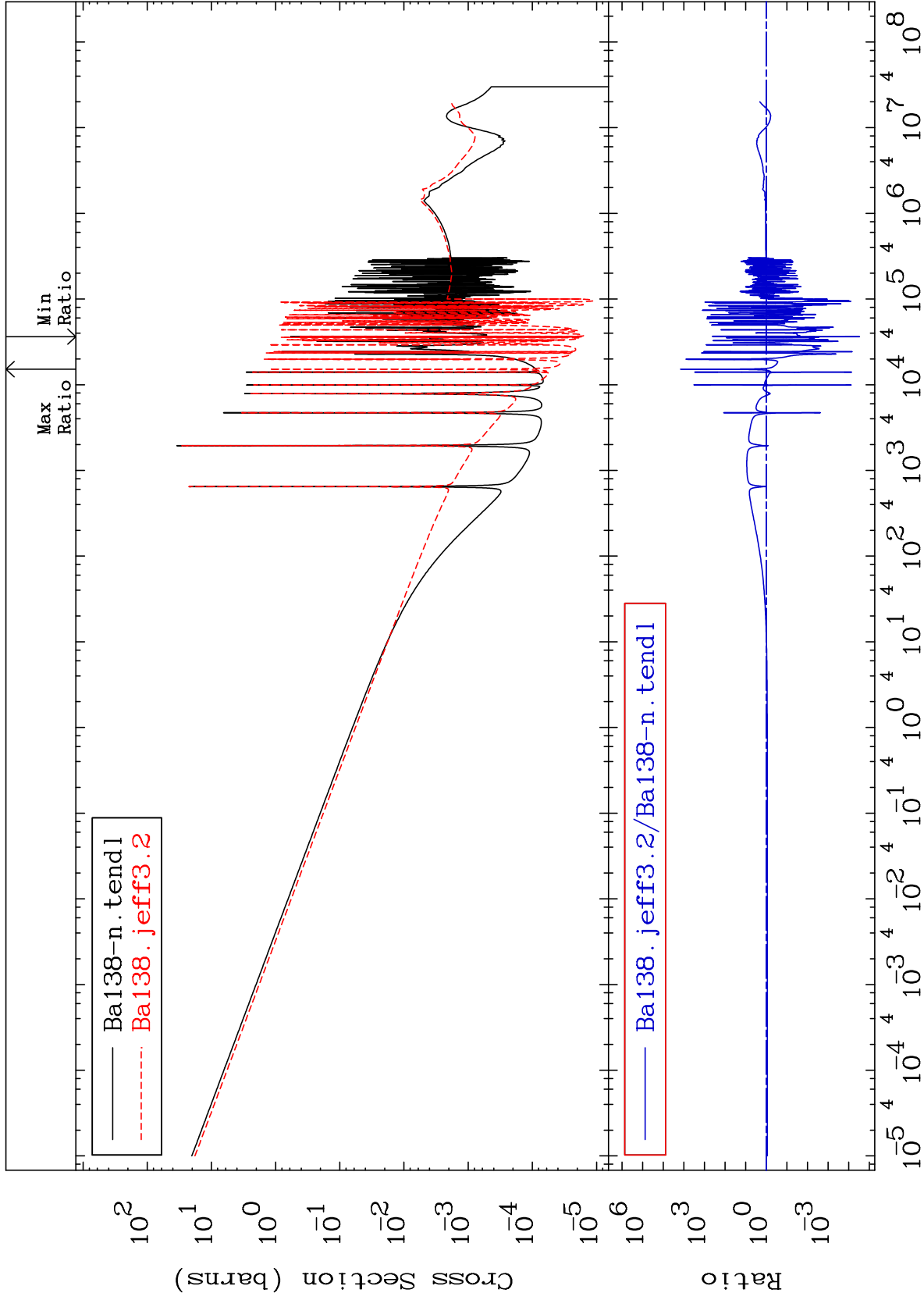
MAT 5649

(n, γ)

56-Ba-138

Cross Section

-100.0 To 9999. %



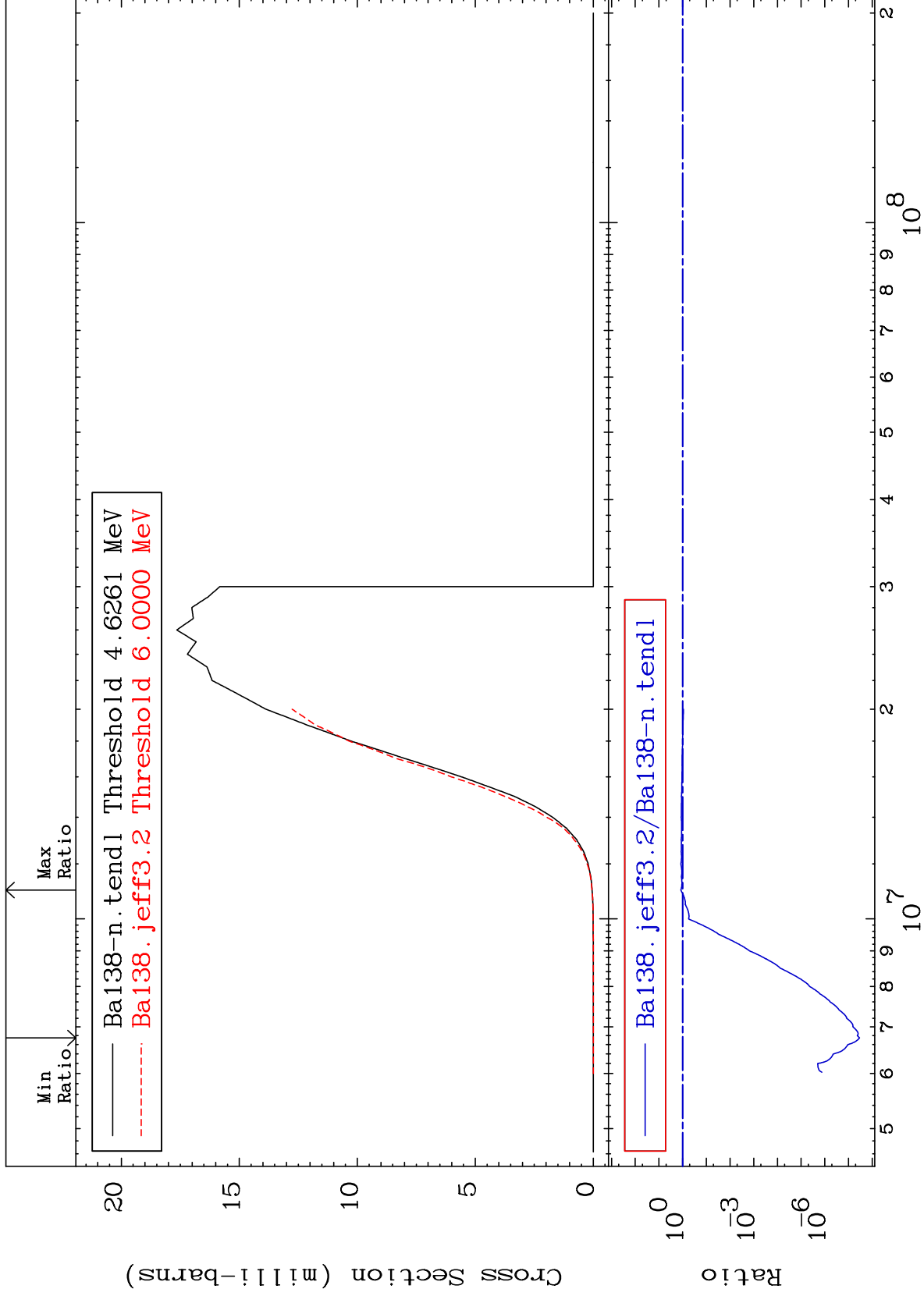
MAT 5649

(n,p)

56-Ba-138

Cross Section

-100.0 To 19.81 %



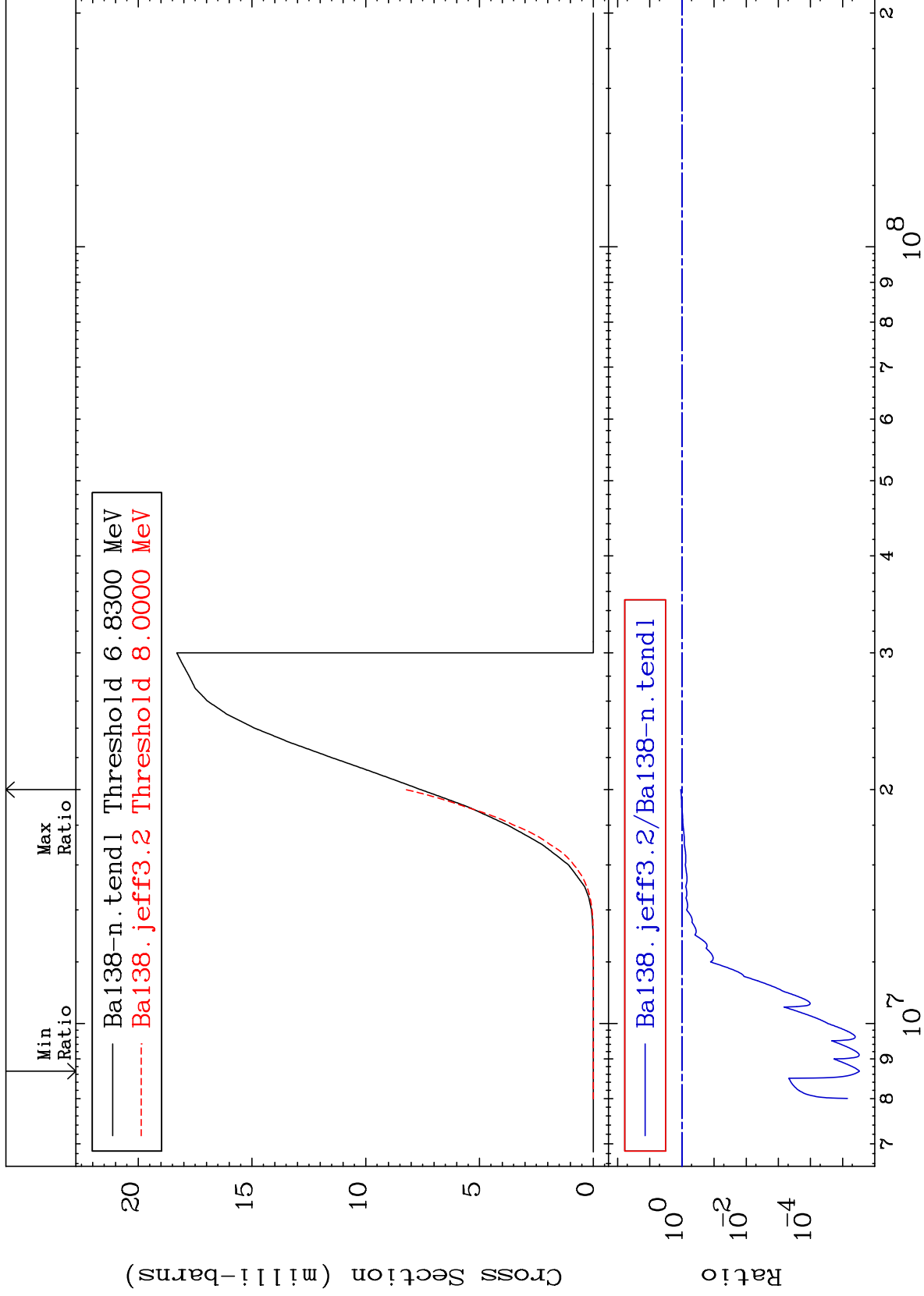
MAT 5649

(n, d)

56-Ba-138

Cross Section

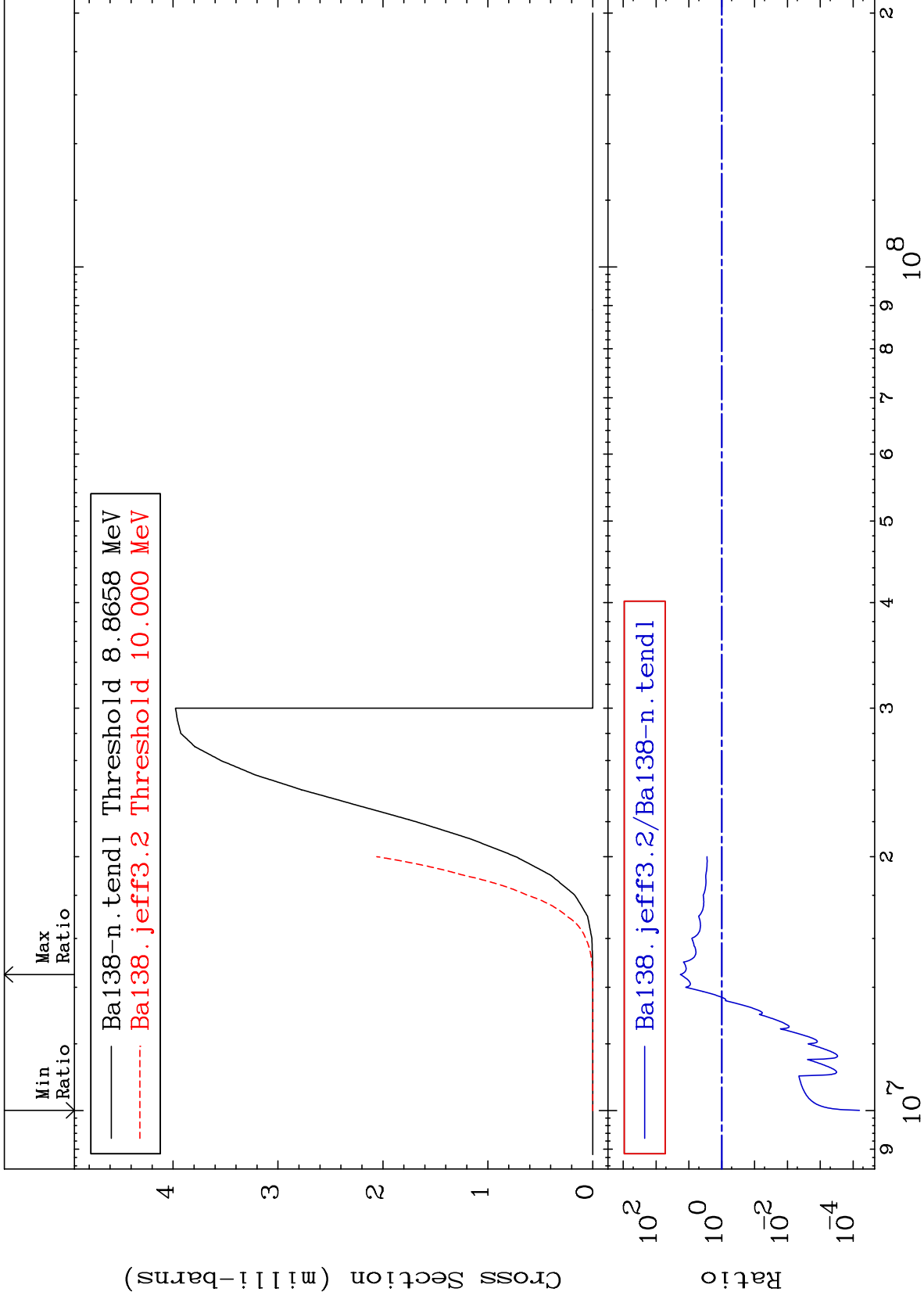
-100.0 To 8.462 %



30

Incident Energy (eV)

56-Ba-138



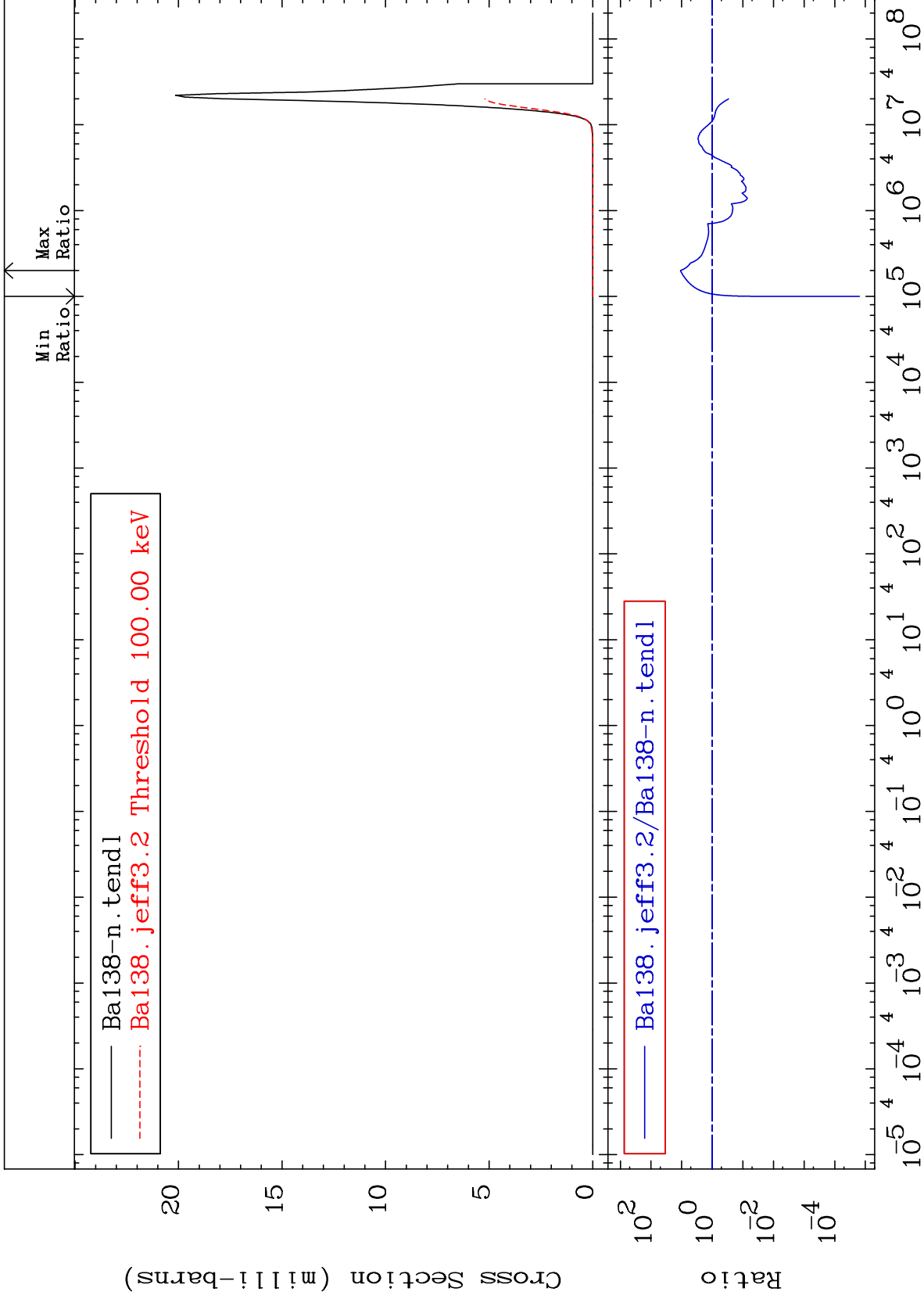
MAT 5649

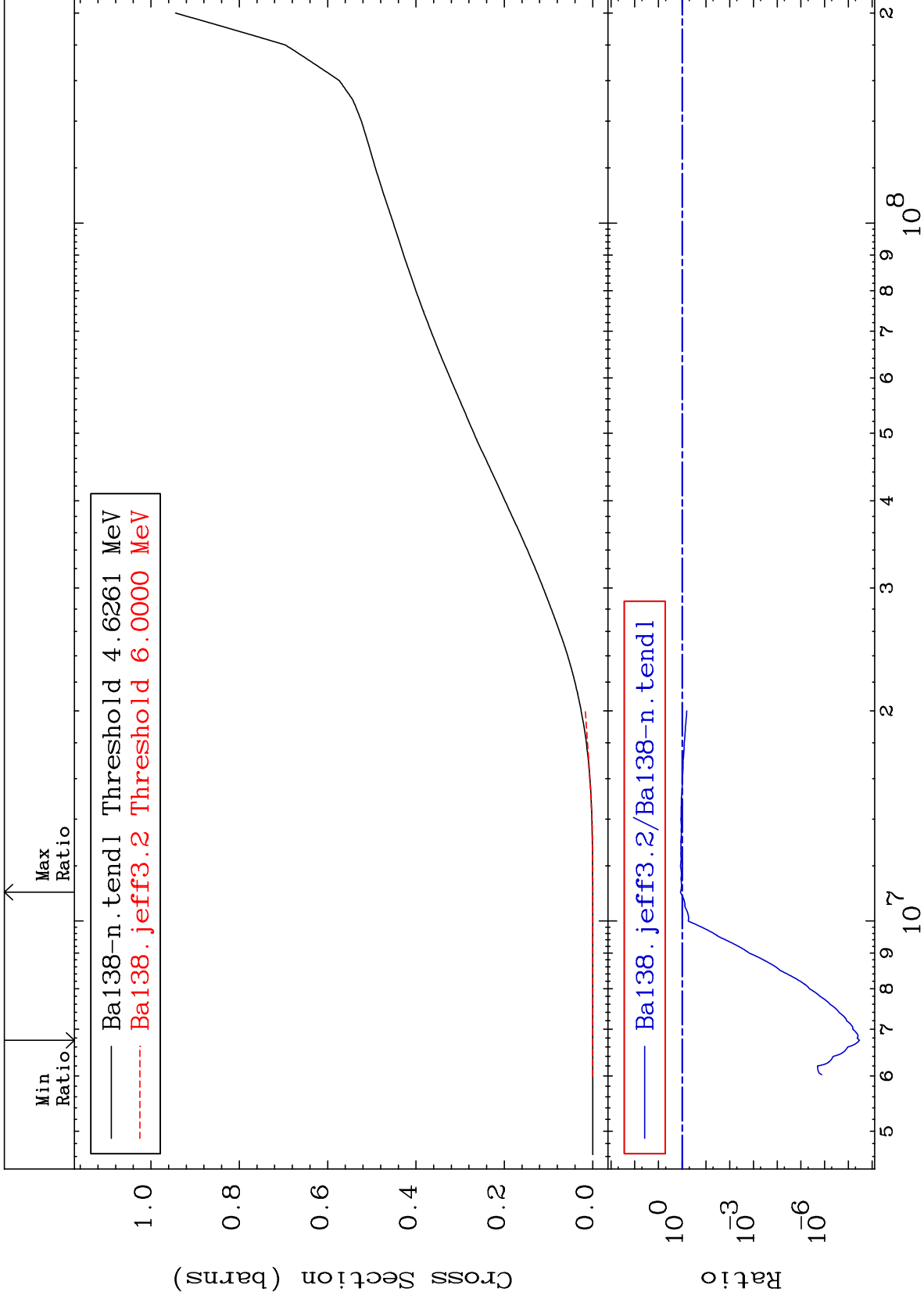
(n, α)

56-Ba-138

Cross Section

-100.0 To 999.8 %

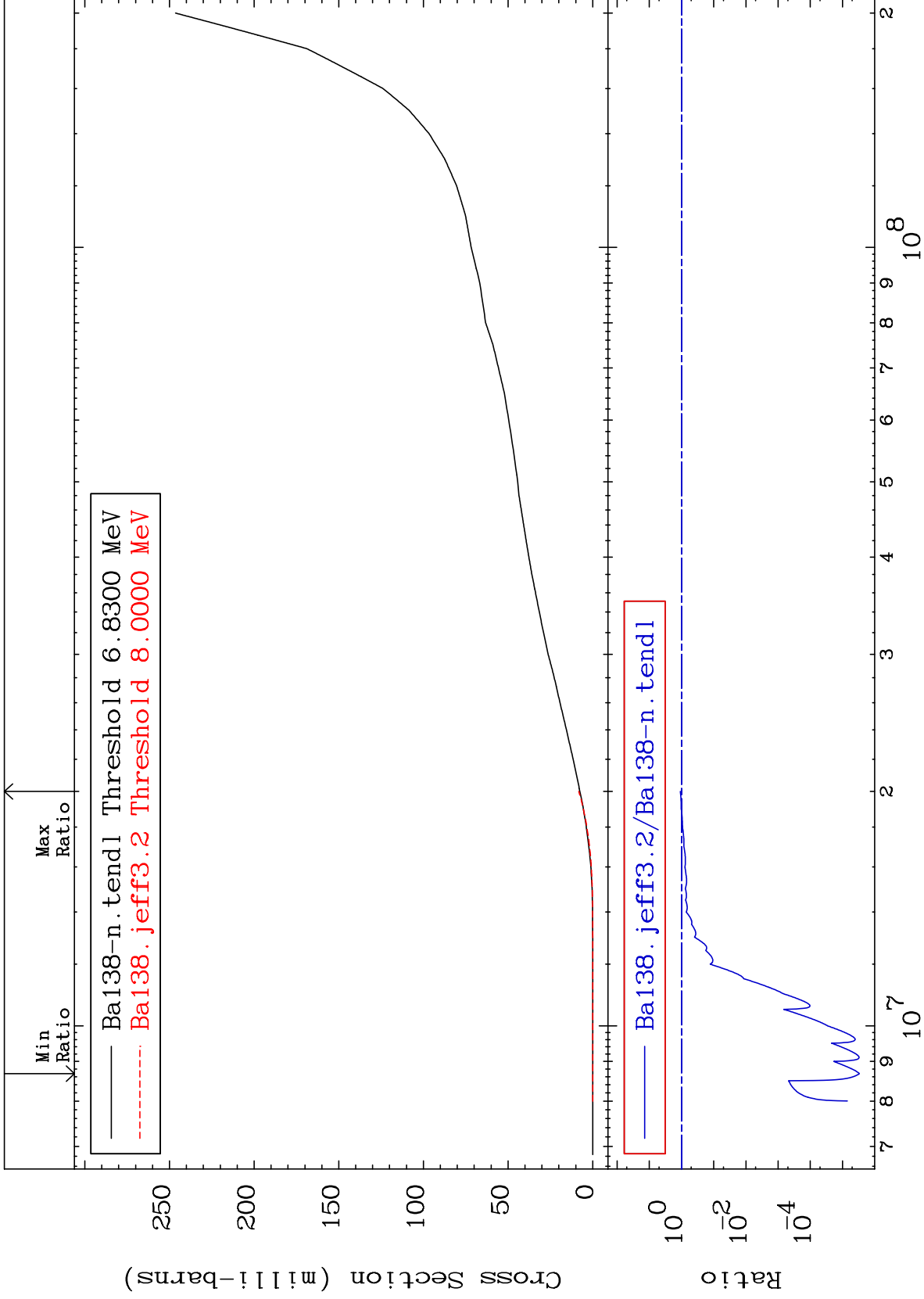




MAT 5649

Deuterium Production
Cross Section

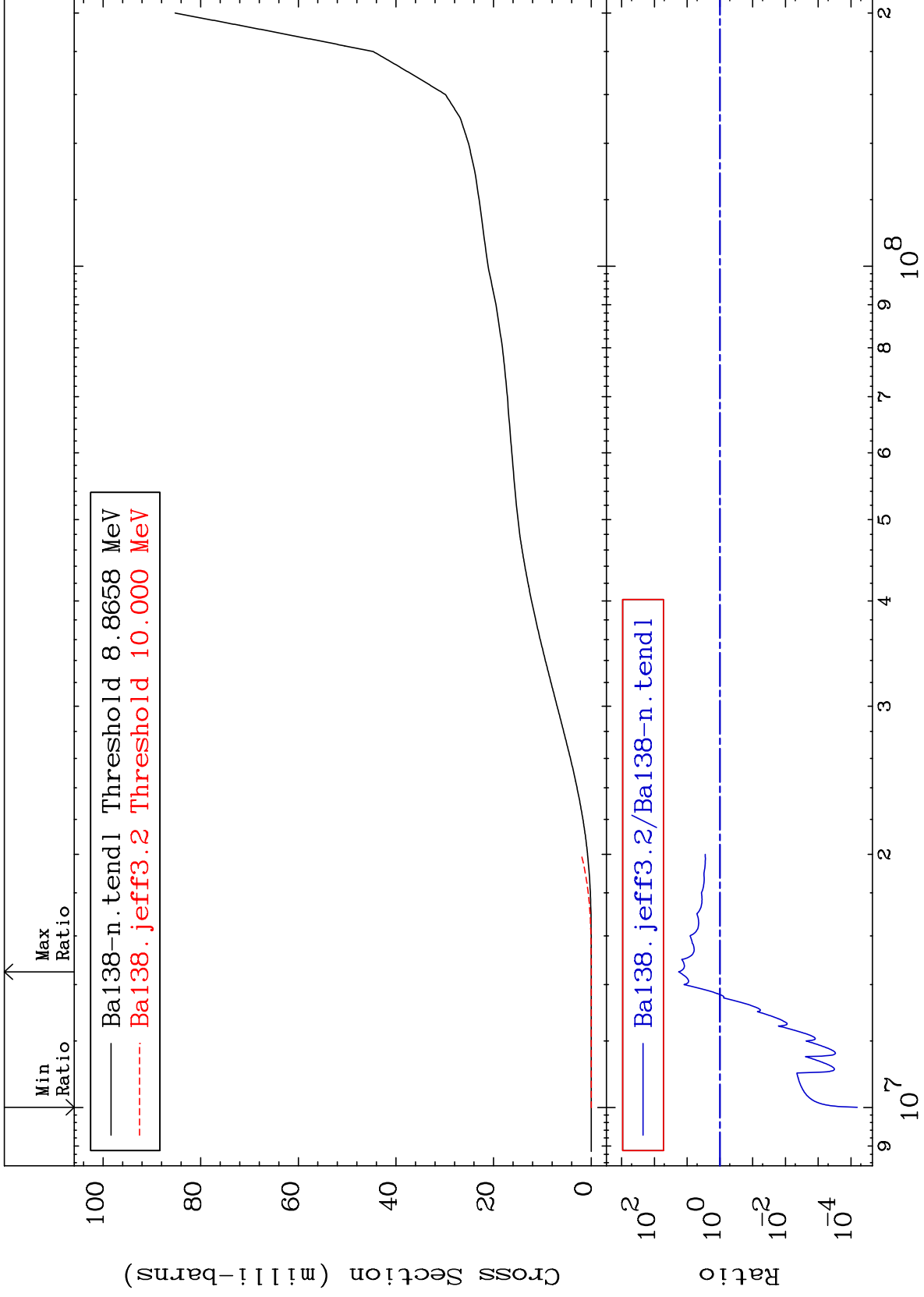
56-Ba-138
-100.0 To 8.453 %



MAT 5649

Tritium Production
Cross Section

56-Ba-138
-99.99 To 1719. %



35

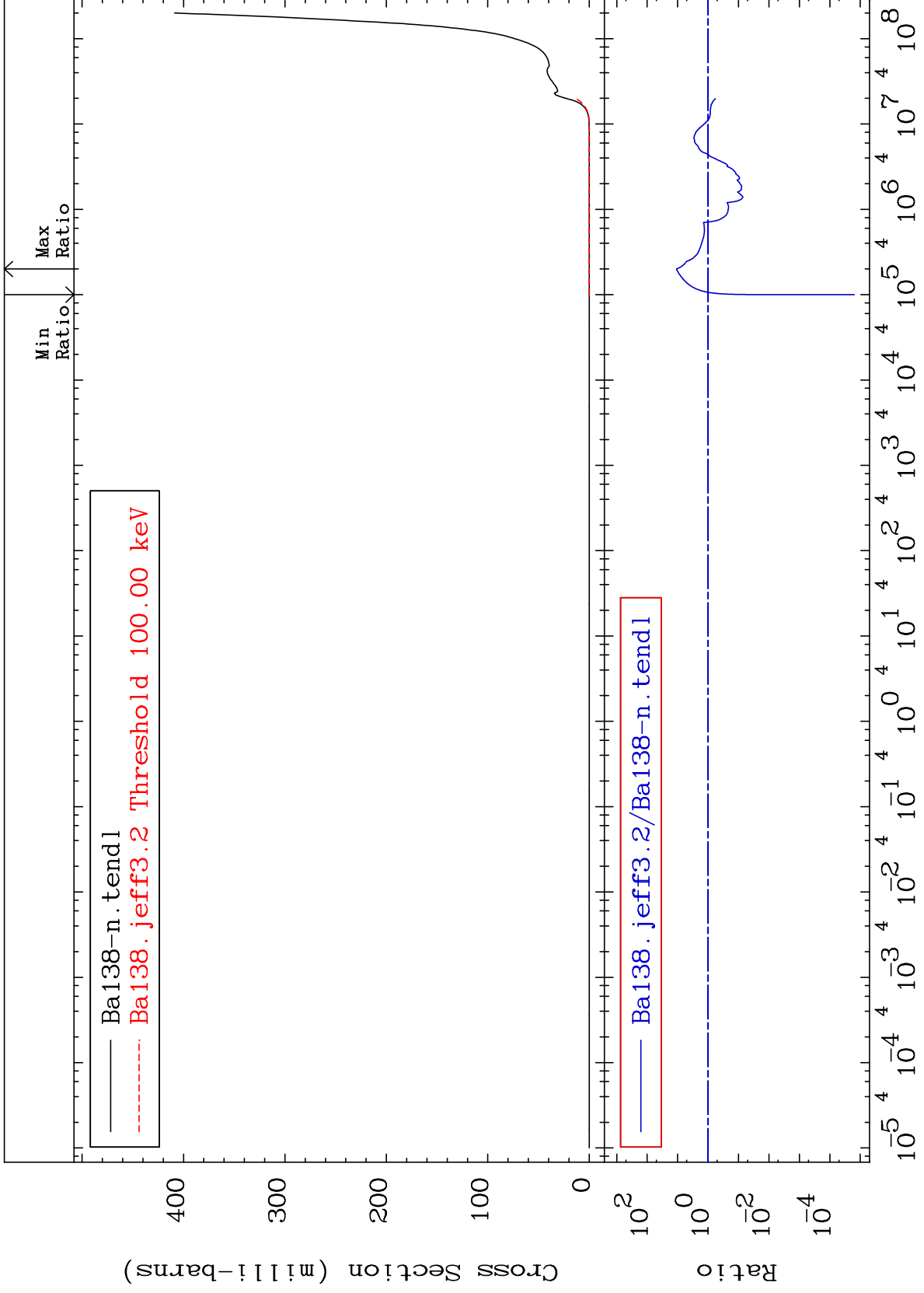
Incident Energy (eV)

56-Ba-138

MAT 5649

He-4 Production
Cross Section

56-Ba-138
-100.0 To 999.8 %



36

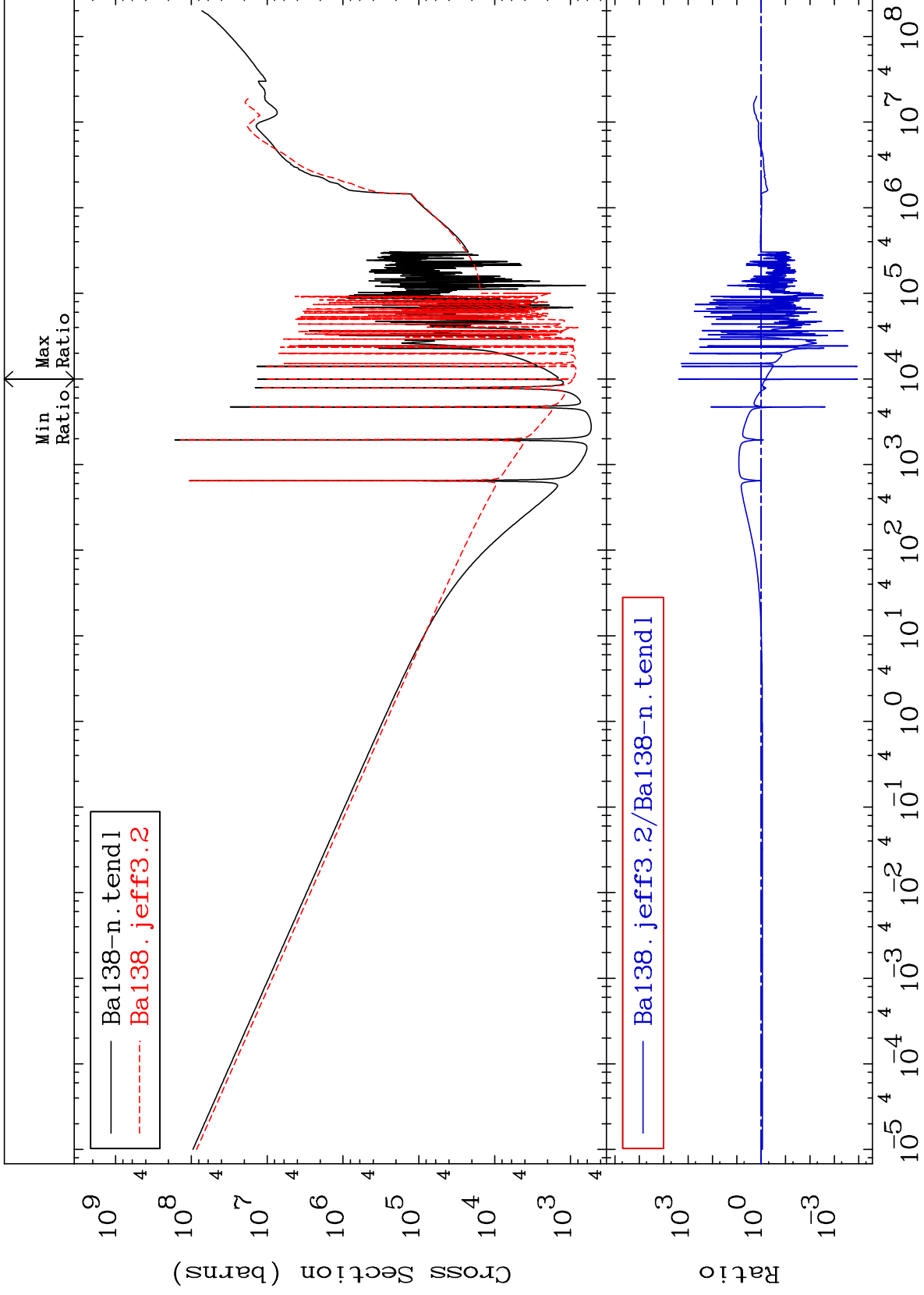
Incident Energy (eV)

56-Ba-138

MAT 5649

Kerma total (eV-barns)
Cross Section

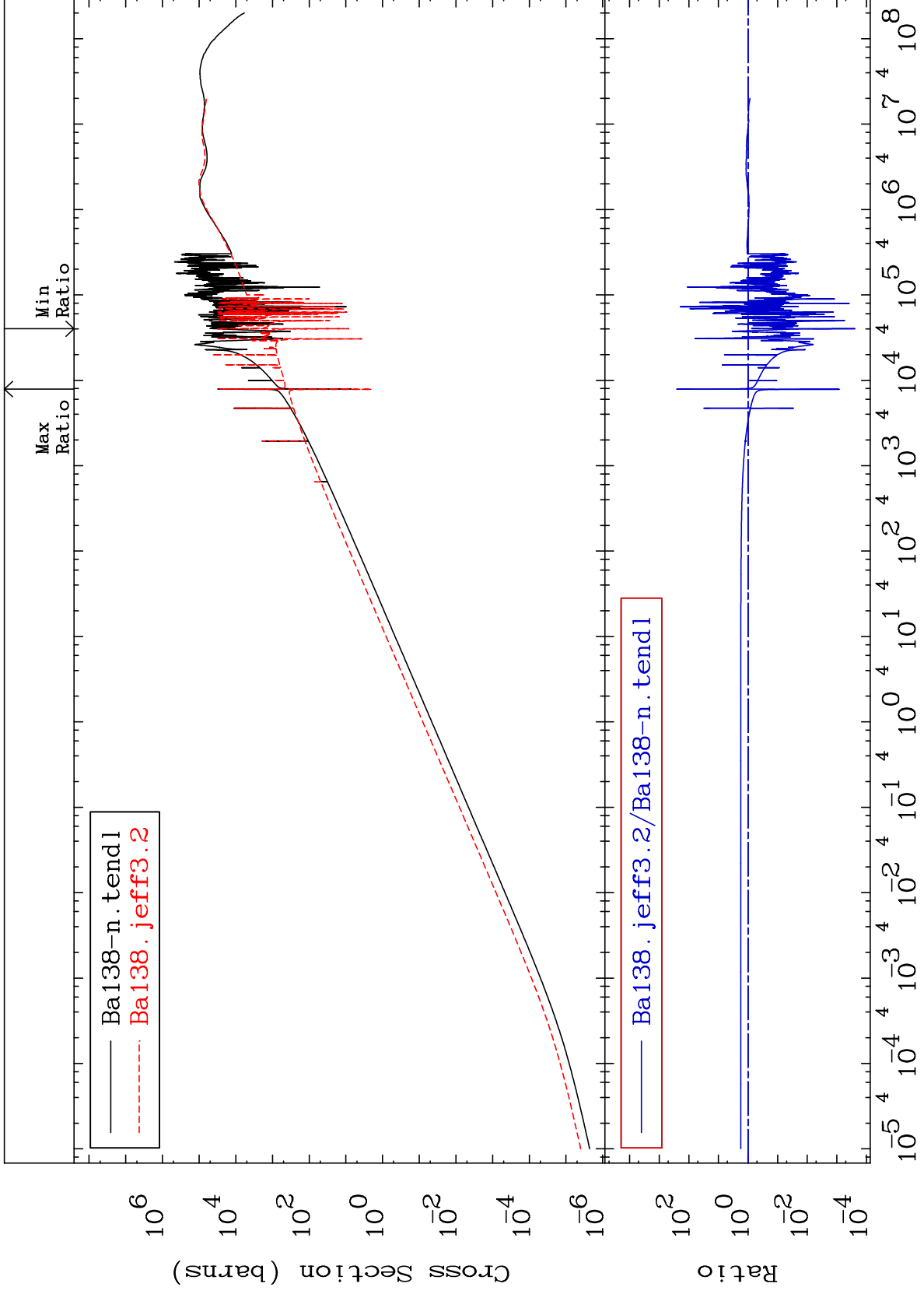
56-Ba-138
-99.99 To 9999. %



MAT 5649

Kerma elastic
Cross Section

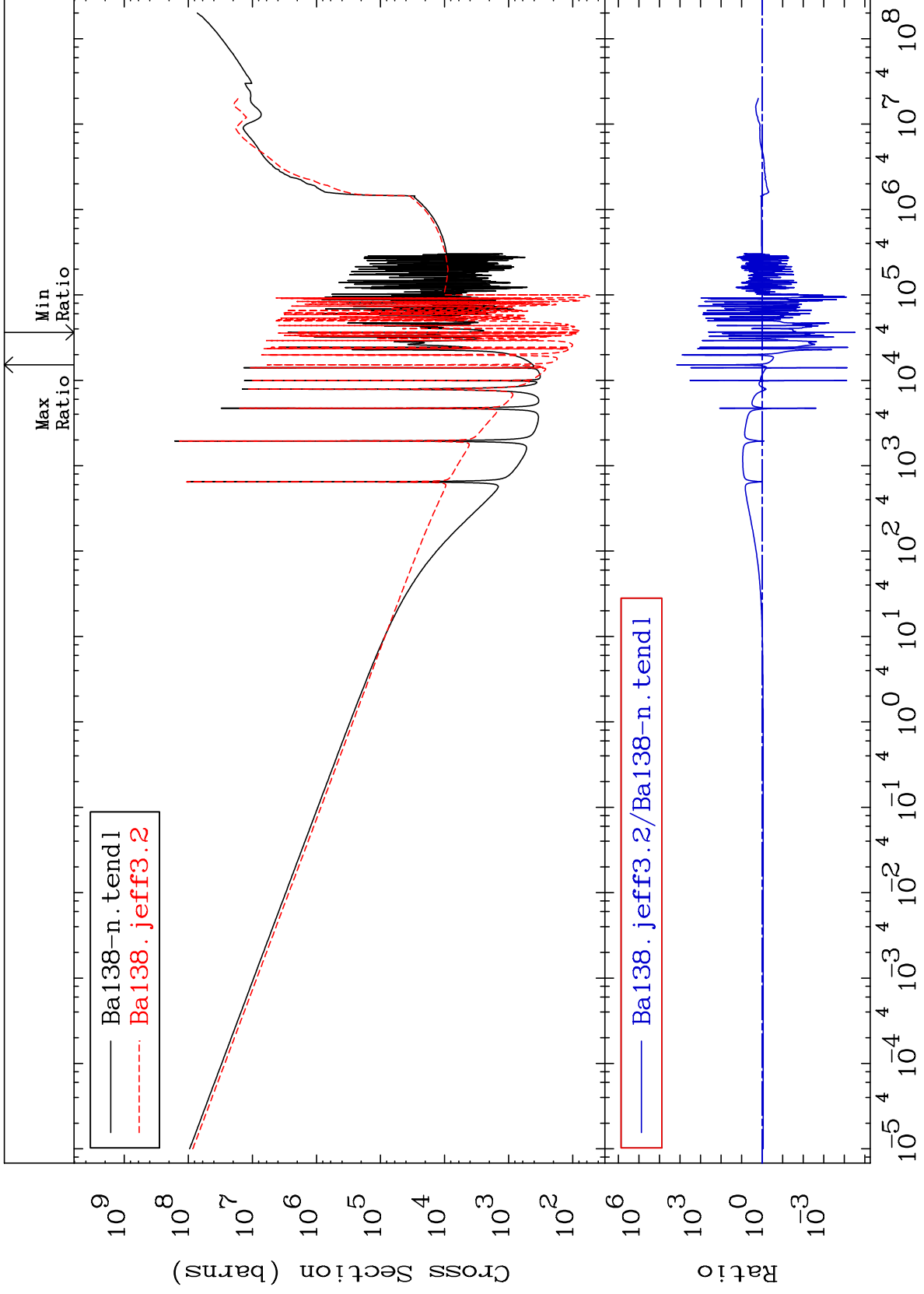
56-Ba-138
-99.98 To 9999. %



38

Incident Energy (eV)

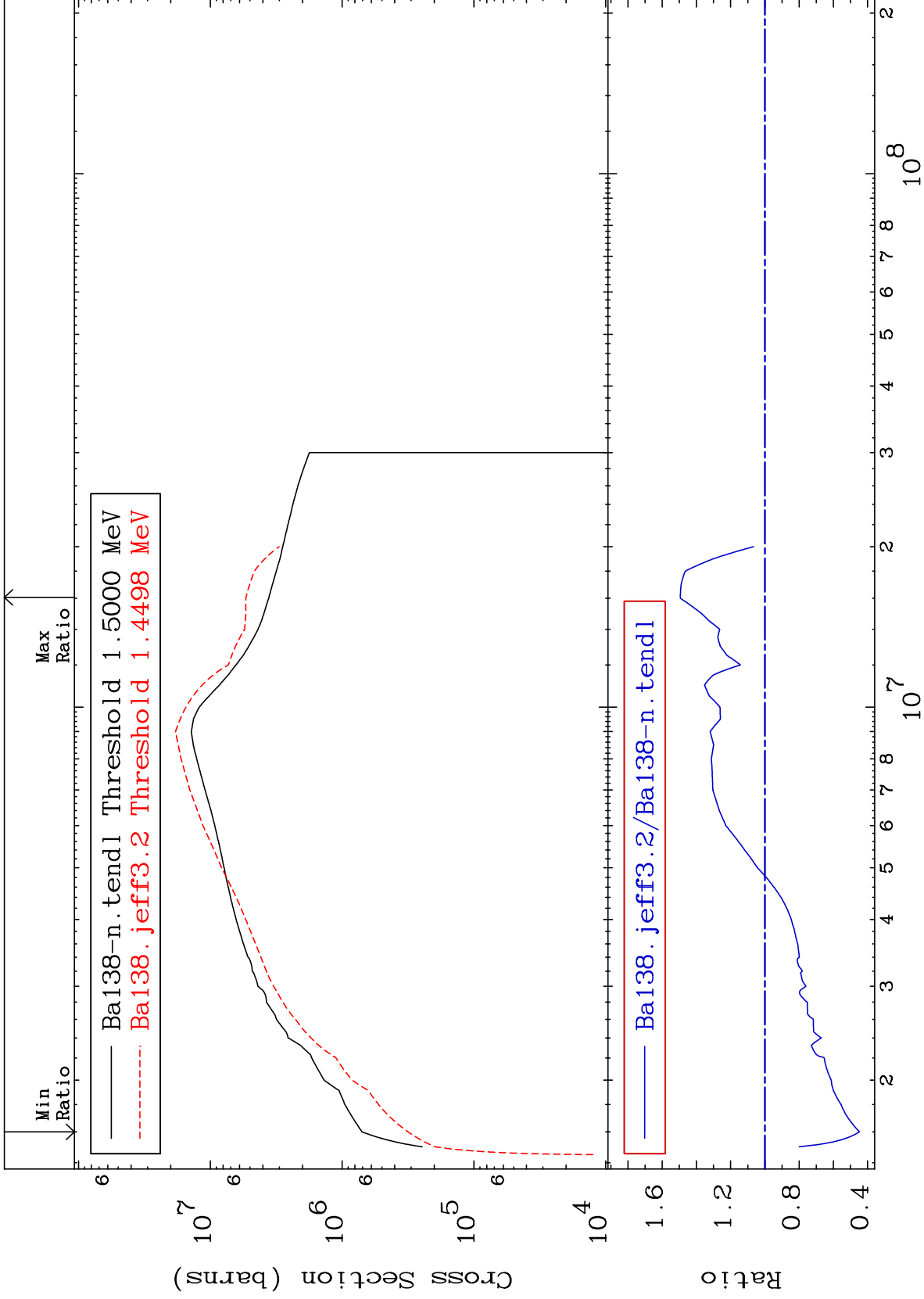
56-Ba-138



MAT 5649

Kerma inelastic (mt51-91)
Cross Section

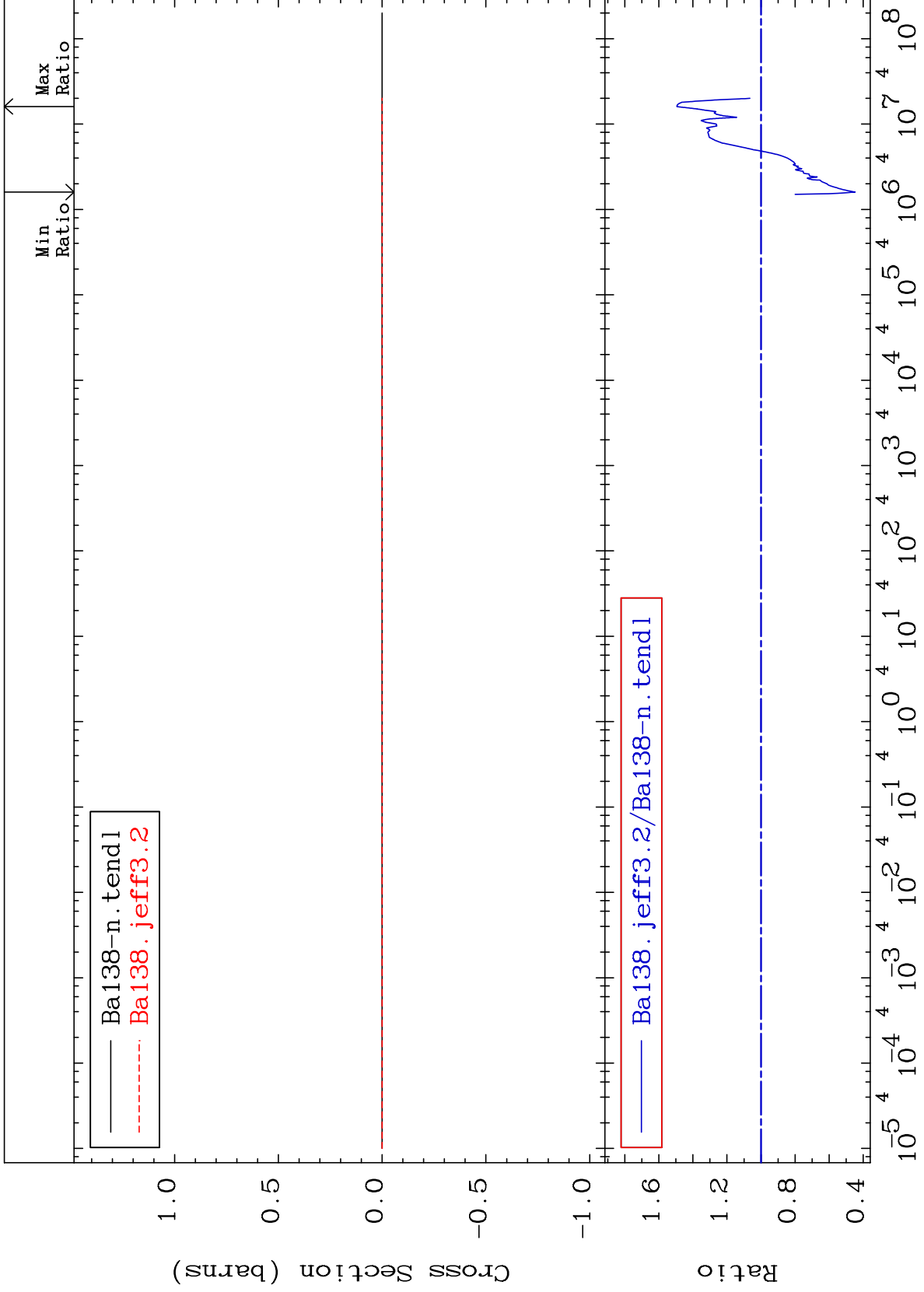
56-Ba-138
-55.26 To 49.39 %



MAT 5649

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

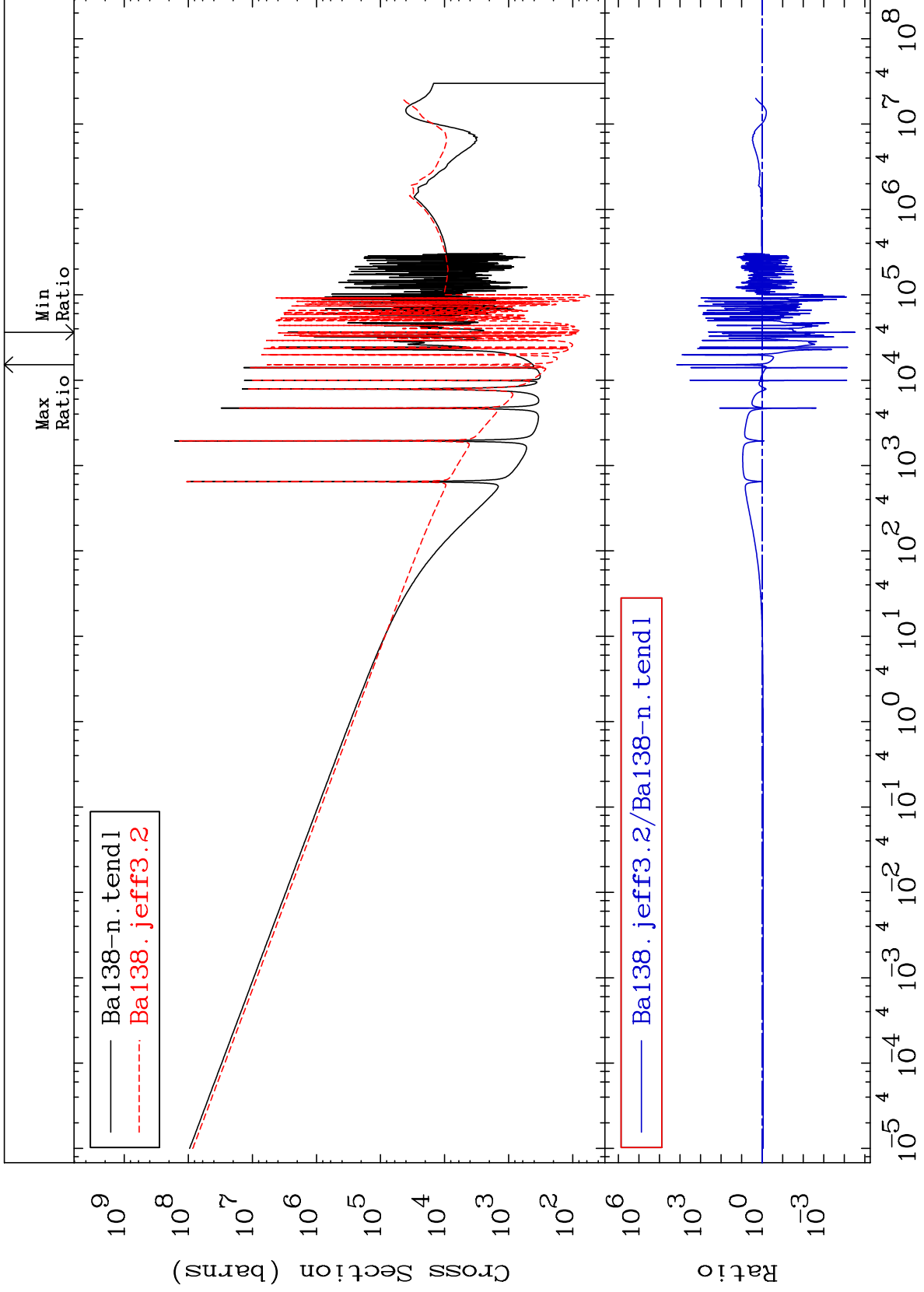
56-Ba-138
-55.26 To 49.39 %

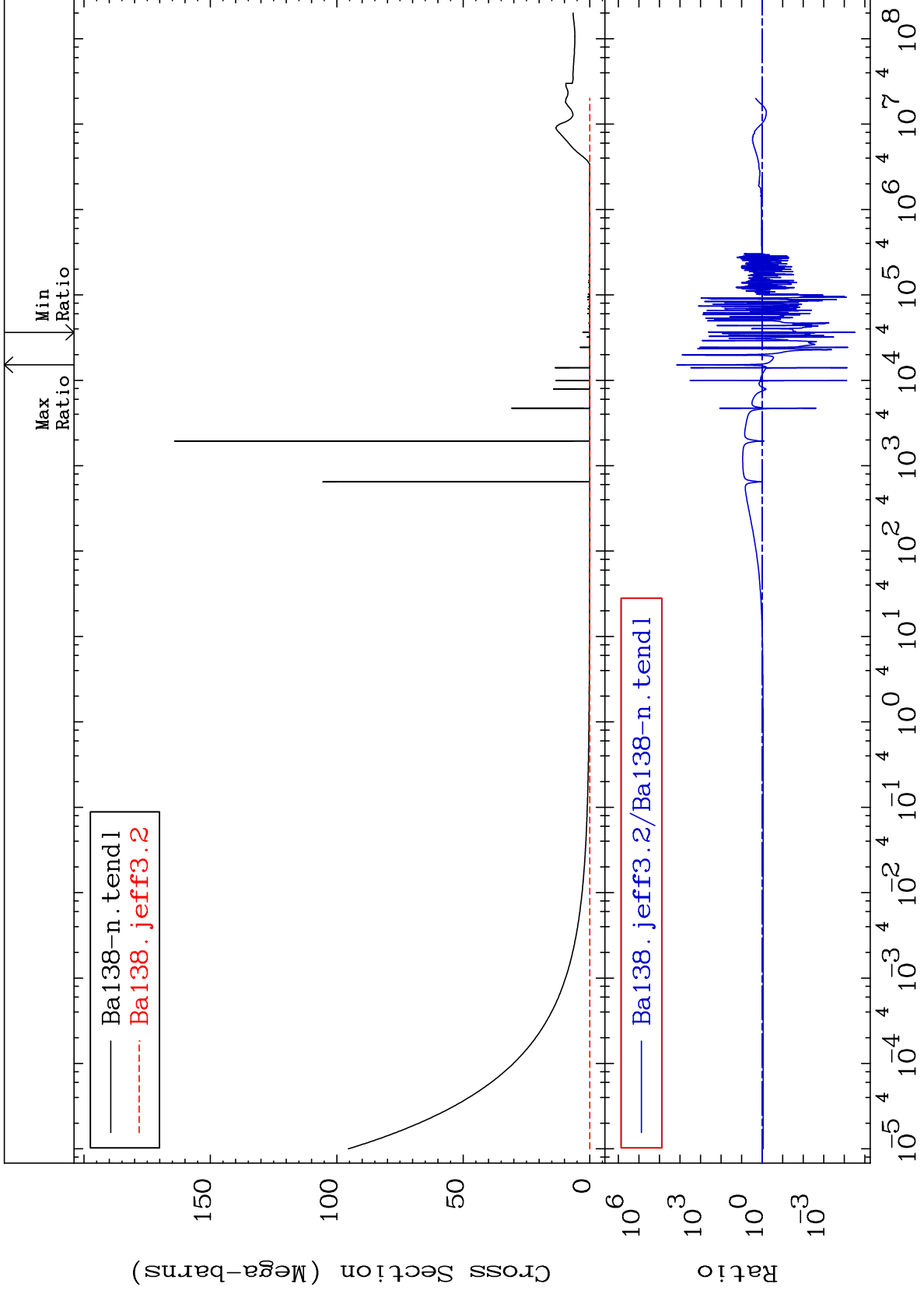


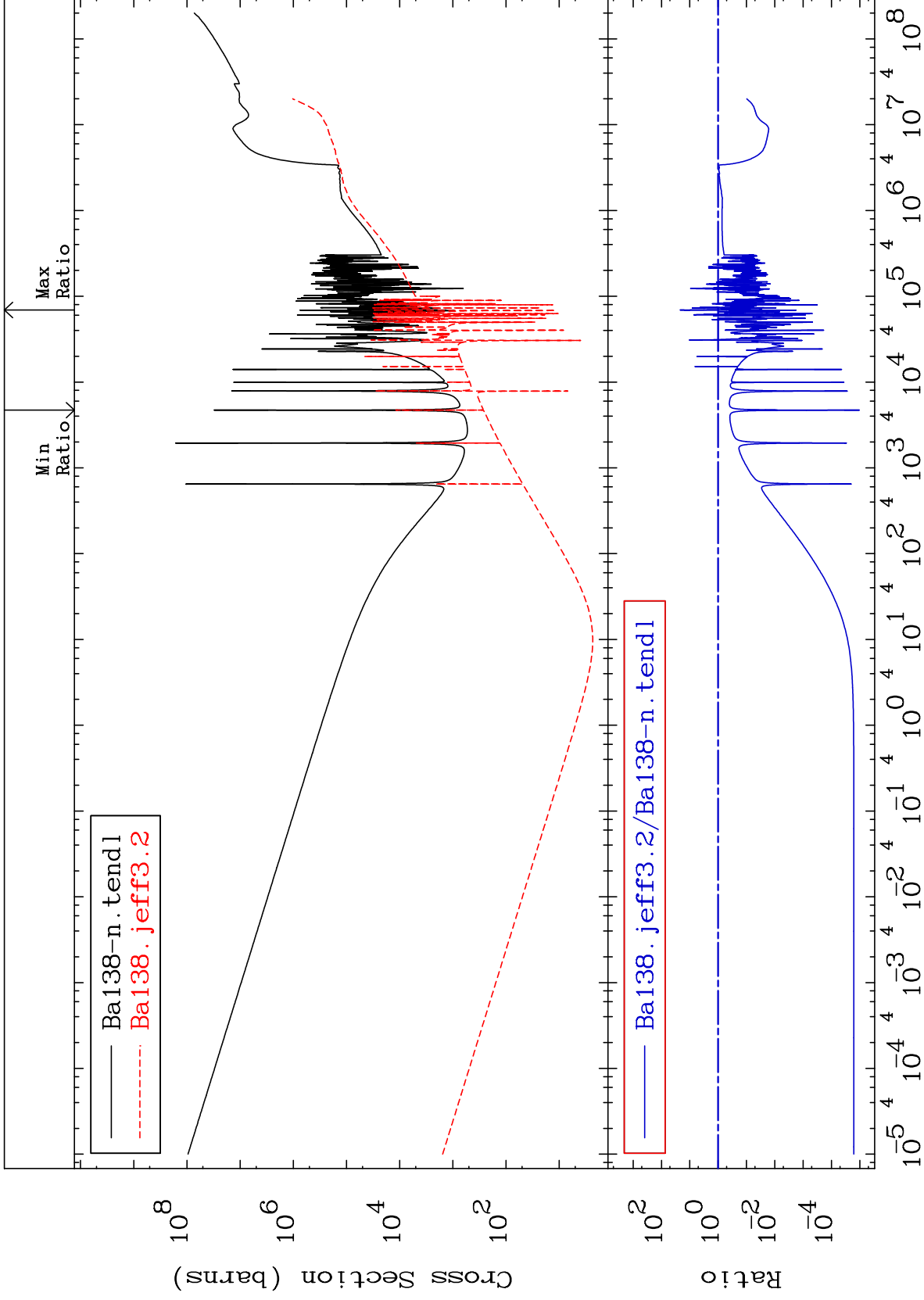
MAT 5649

Kerma capture (mt102)
Cross Section

56-Ba-138
-100.0 To 9999. %



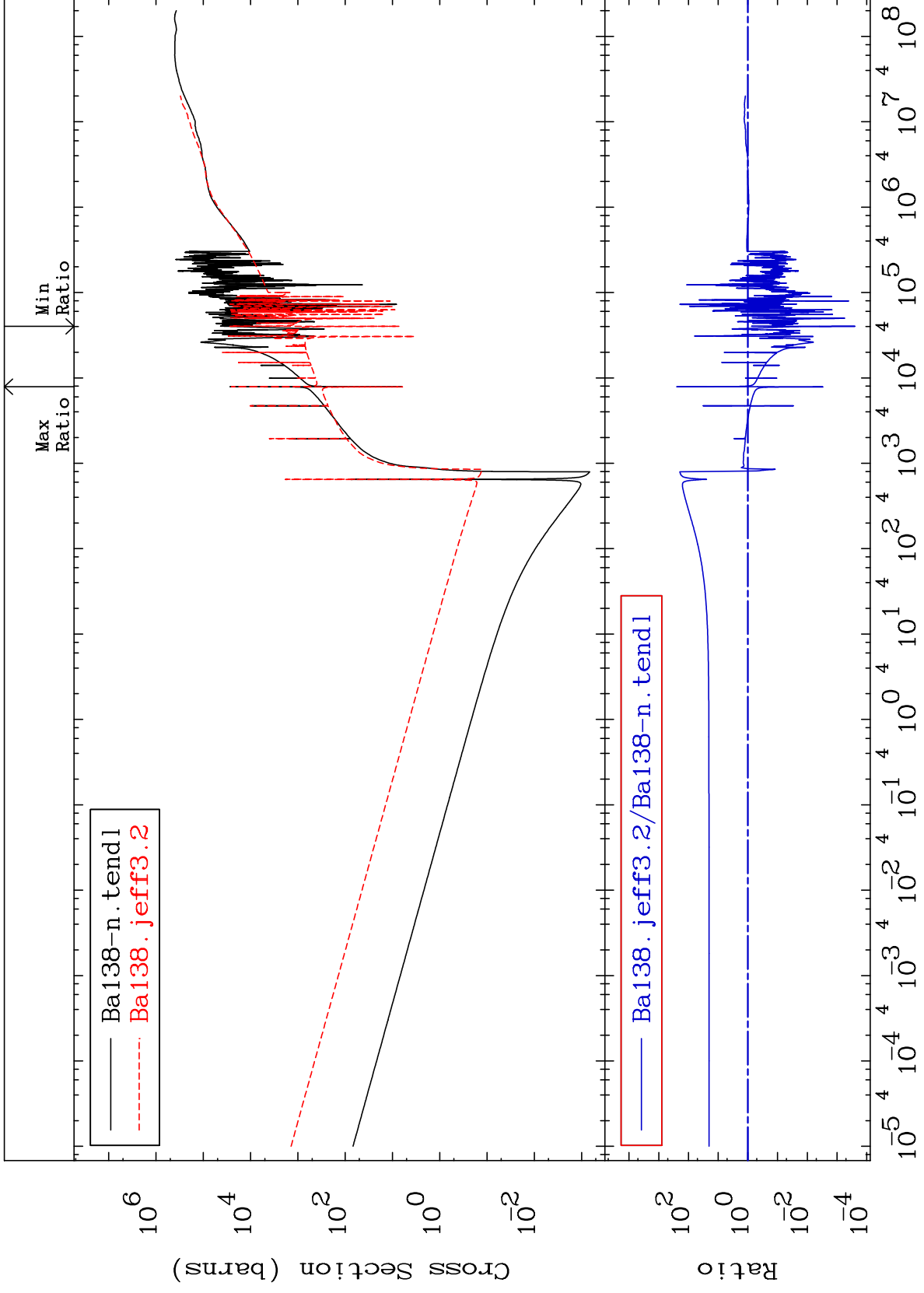




MAT 5649

Dpa total (eV-barns)
Cross Section

56-Ba-138
-99.98 To 9999. %



45

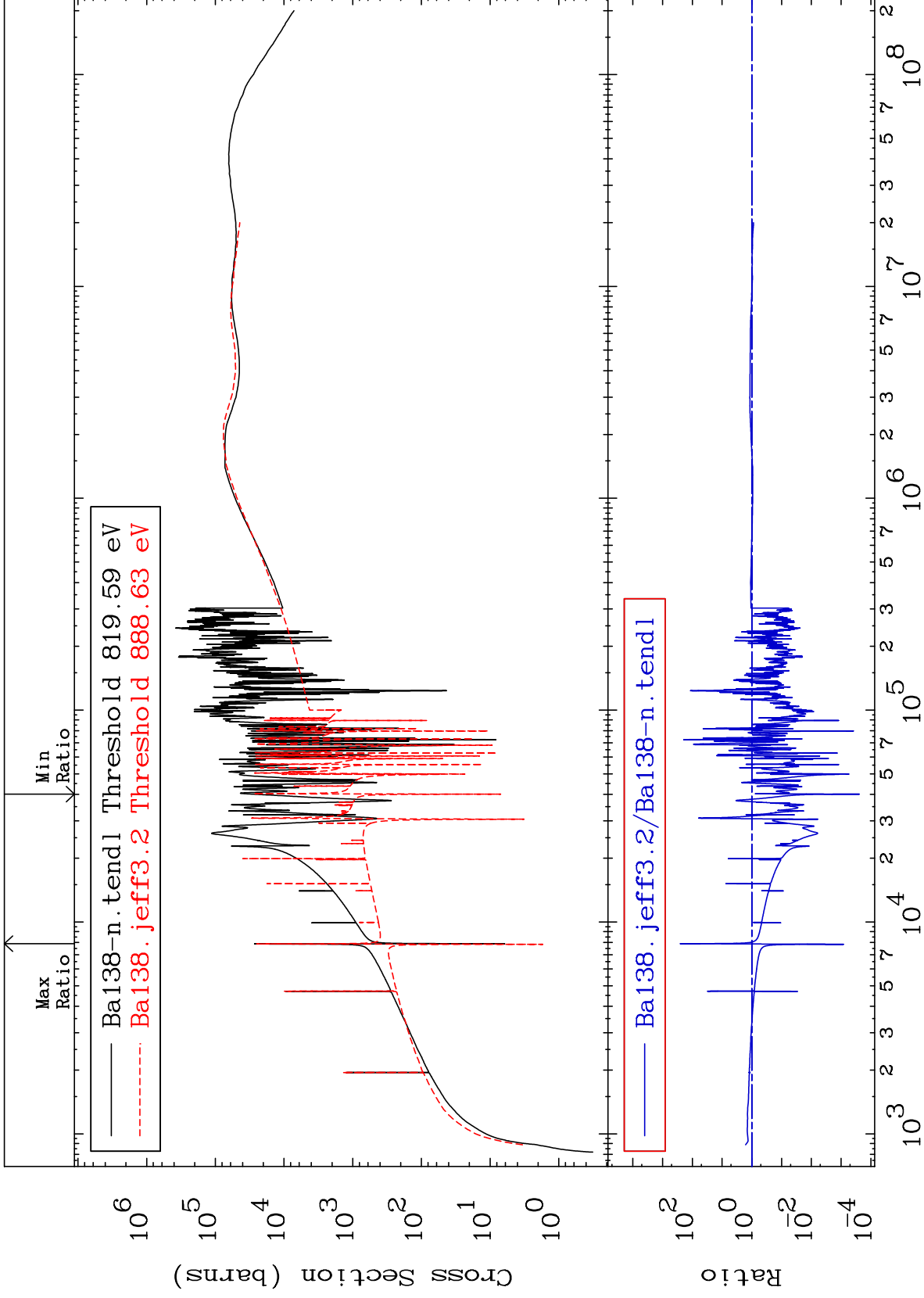
Incident Energy (eV)

56-Ba-138

MAT 5649

Dpa elastic (mt2)
Cross Section

56-Ba-138
-99.98 To 9999. %



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Incident Energy (eV)

56-Ba-138

MAT 5649

Dpa inelastic (mt51-91)
Cross Section

56-Ba-138
-55.38 To 93.82 %

