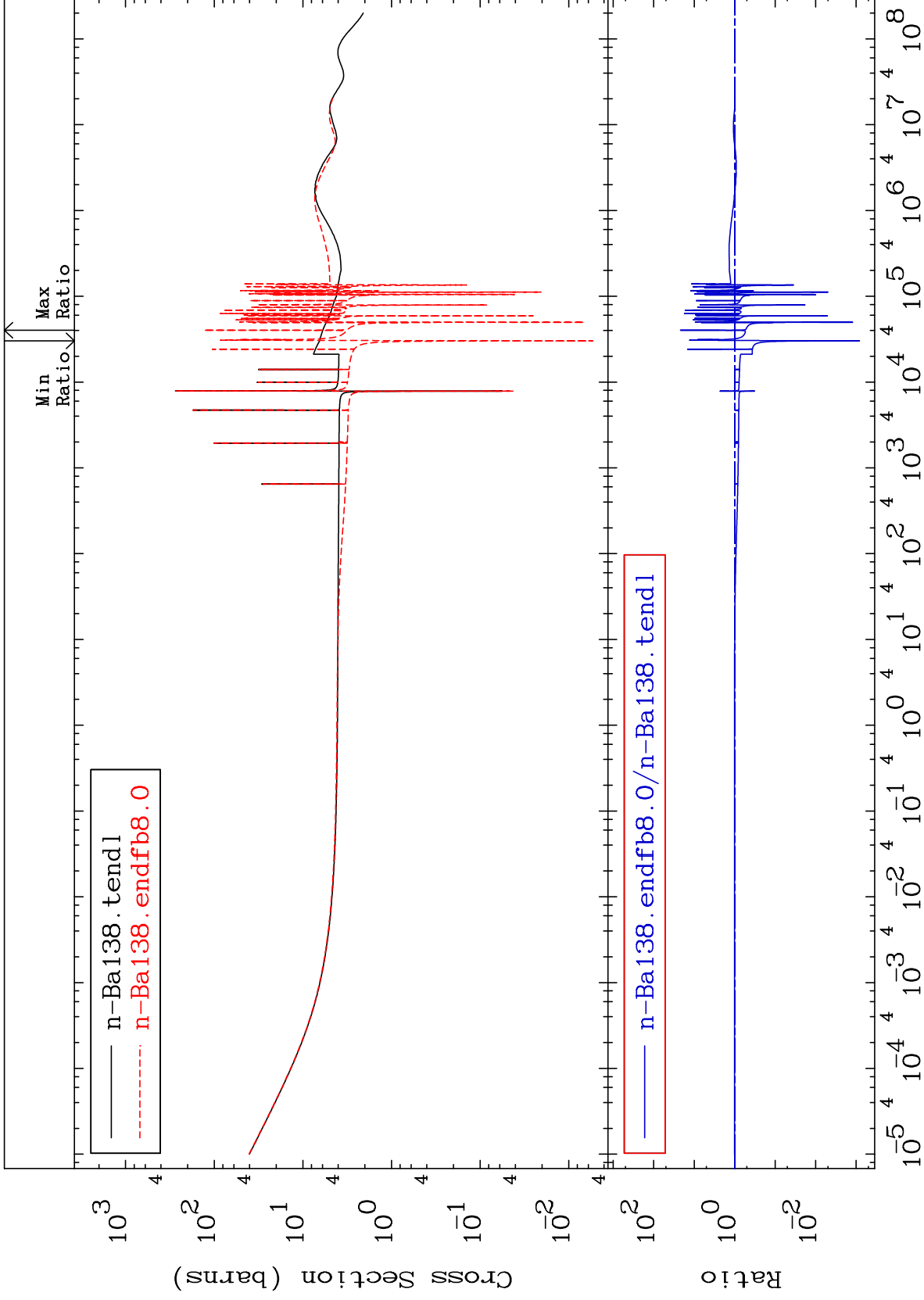


MAT 5649

Total
Cross Section

56-Ba-138
-99.92 To 2097. %



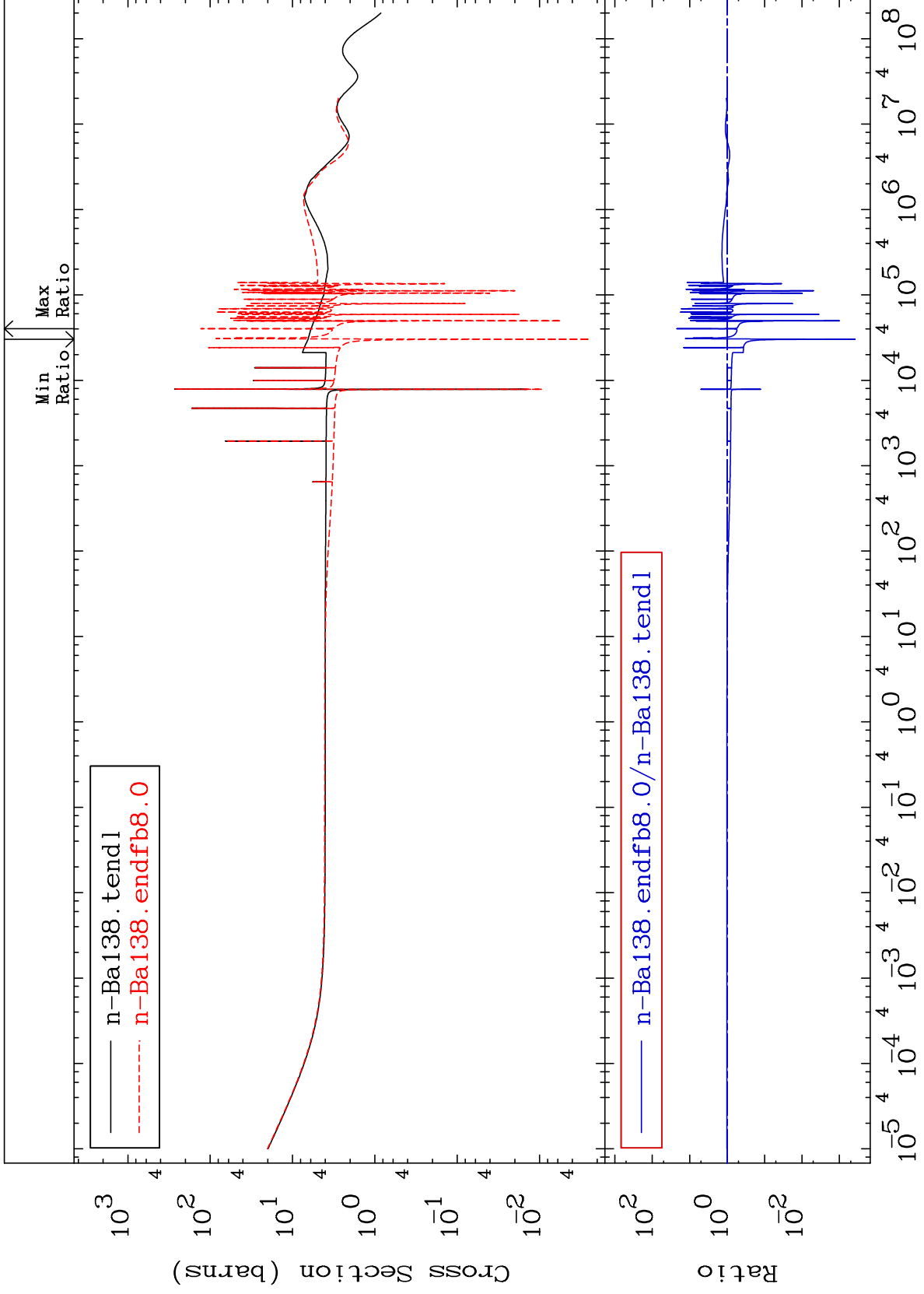
Incident Energy (eV)

56-Ba-138

MAT 5649

Elastic
Cross Section

56-Ba-138
-99.96 To 2096. %



Incident Energy (eV)

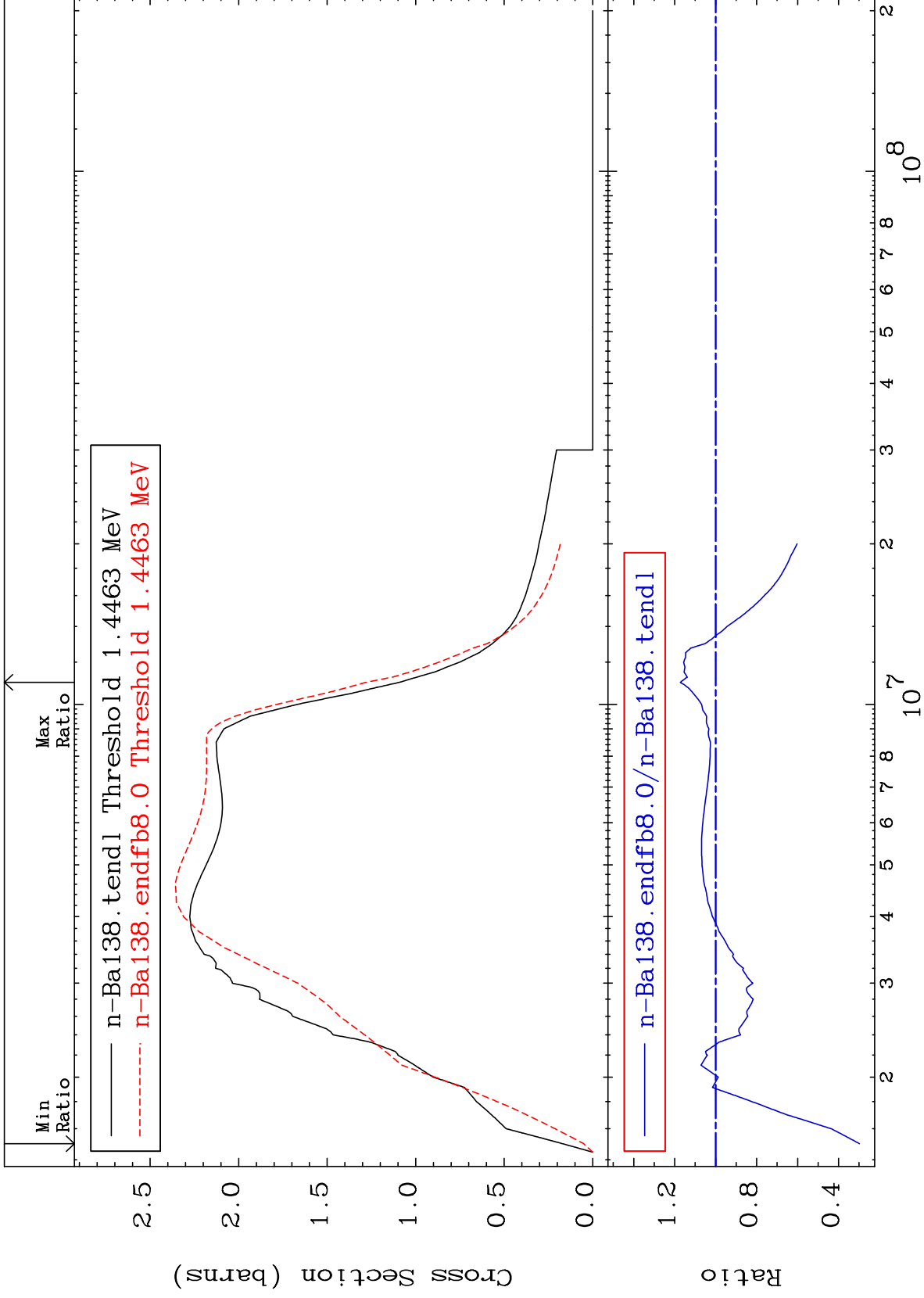
56-Ba-138

2

MAT 5649

Inelastic
Cross Section

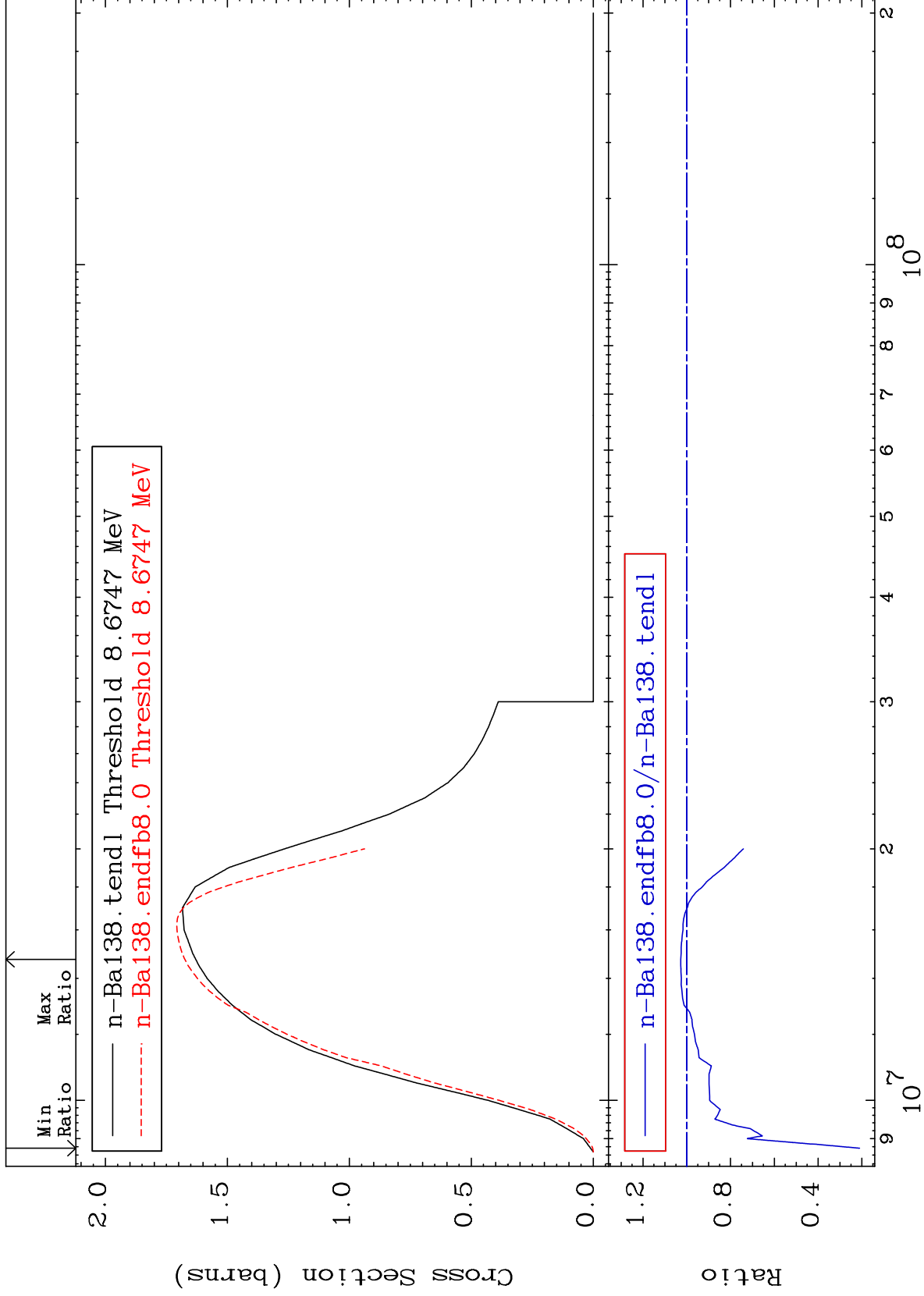
56-Ba-138
-70.18 To 17.24 %



MAT 5649

(n,2n)
Cross Section

56-Ba-138
-78.93 To 2.747 %



4

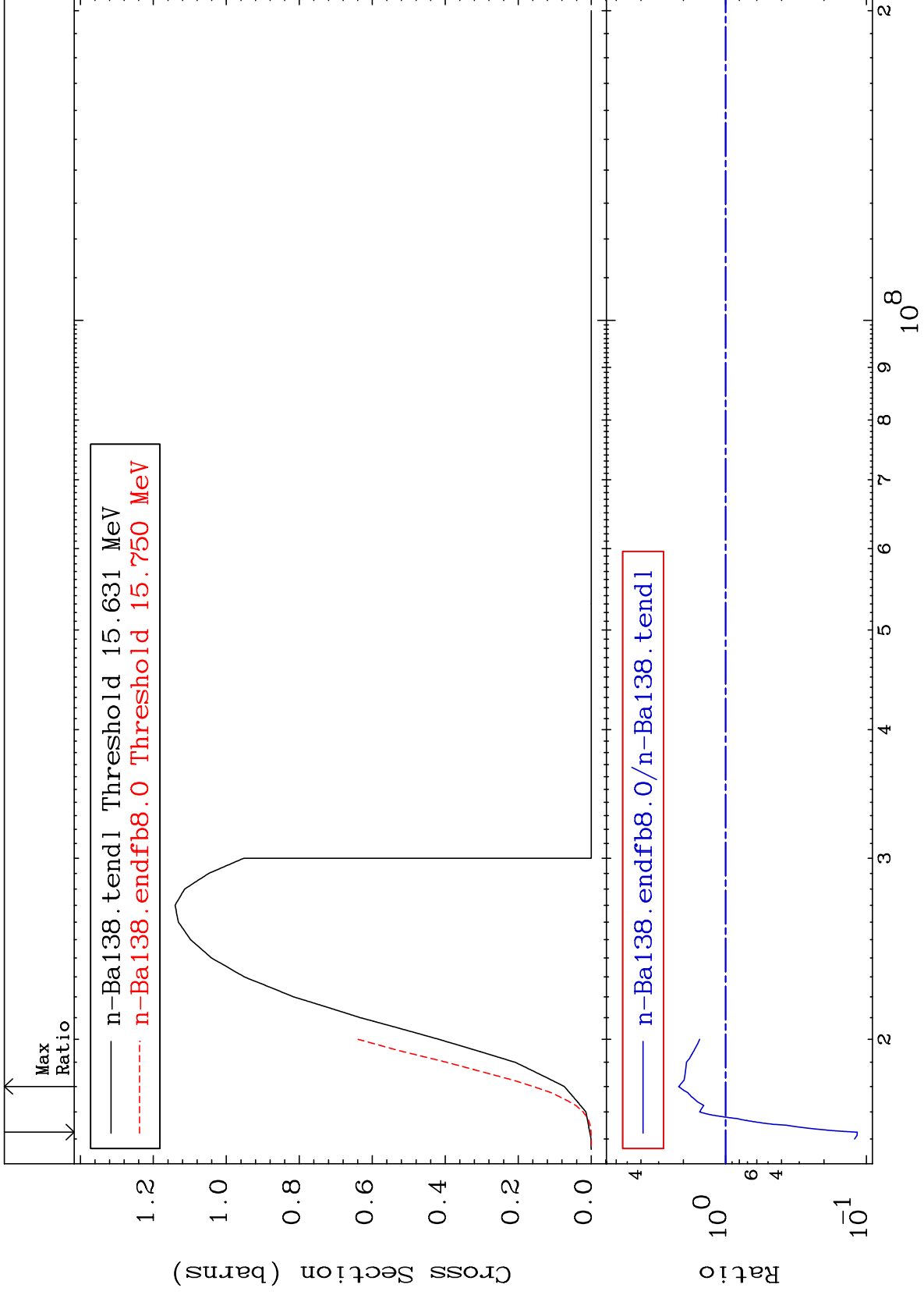
Incident Energy (eV)

56-Ba-138

MAT 5649

(n,3n)
Cross Section

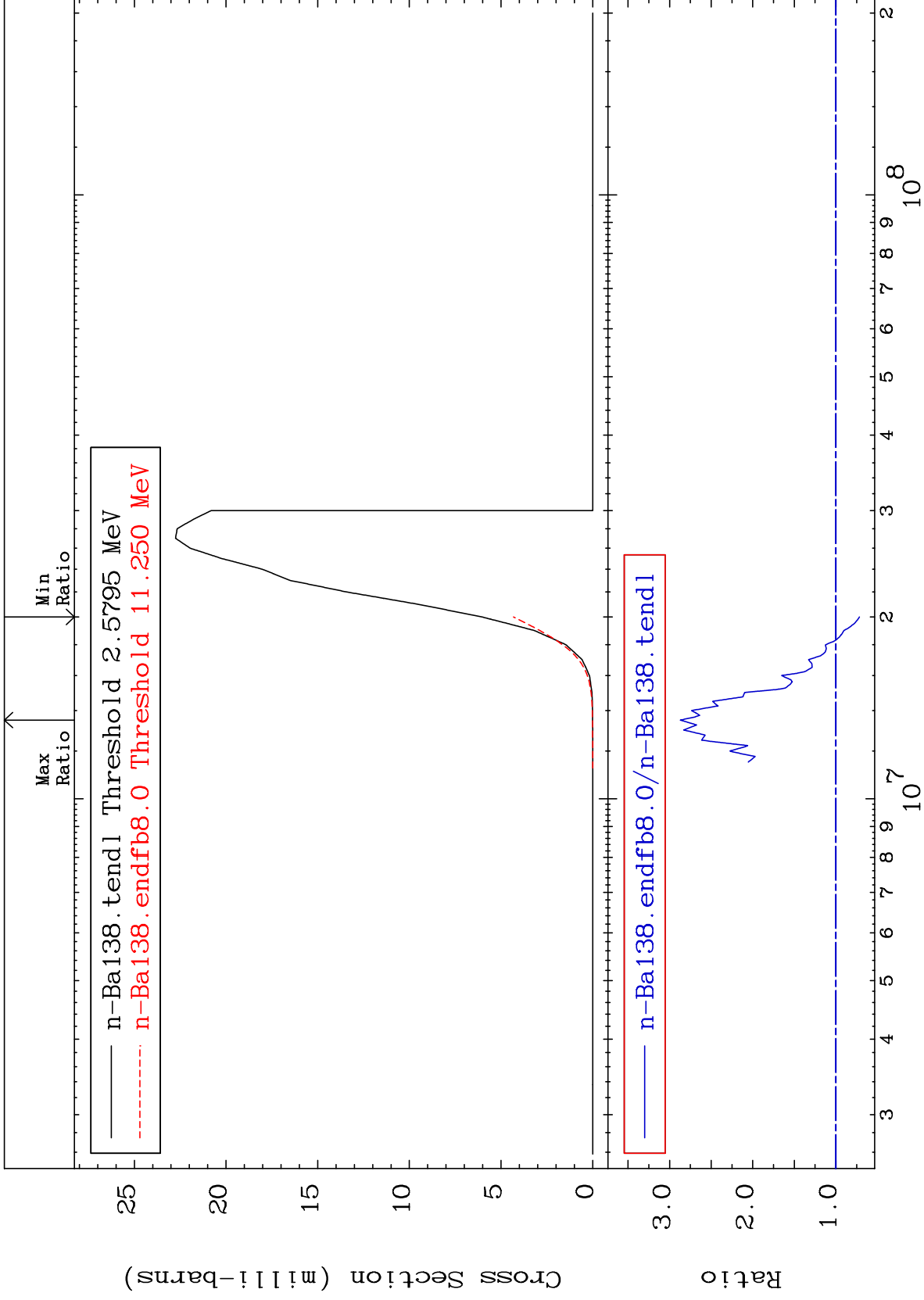
56-Ba-138
-88.40 To 115.9 %



MAT 5649

(n, n') α
Cross Section

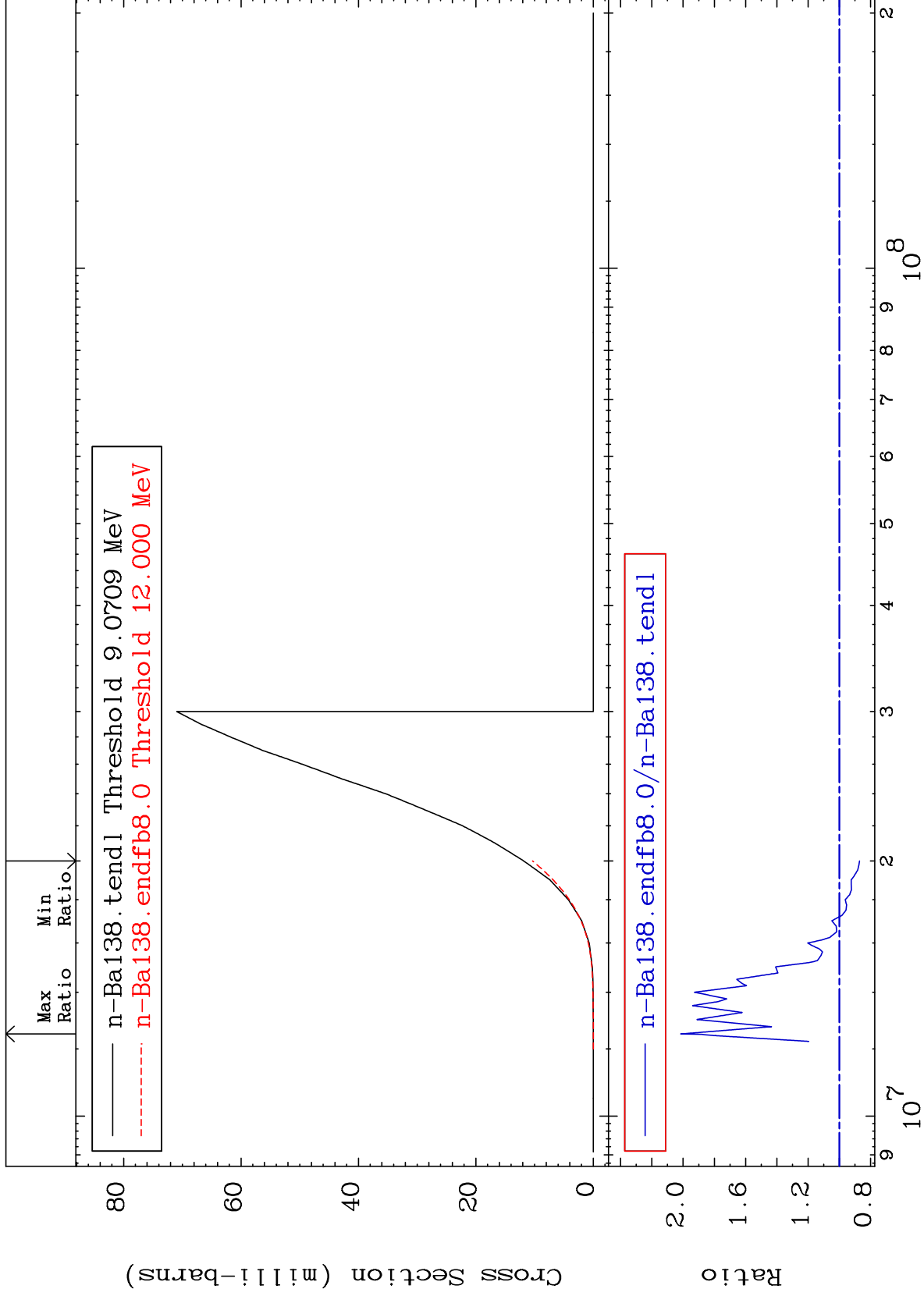
56-Ba-138
-28.37 To 187.0 %



MAT 5649

(n, n') p
Cross Section

56-Ba-138
-12.88 To 101.5 %



7

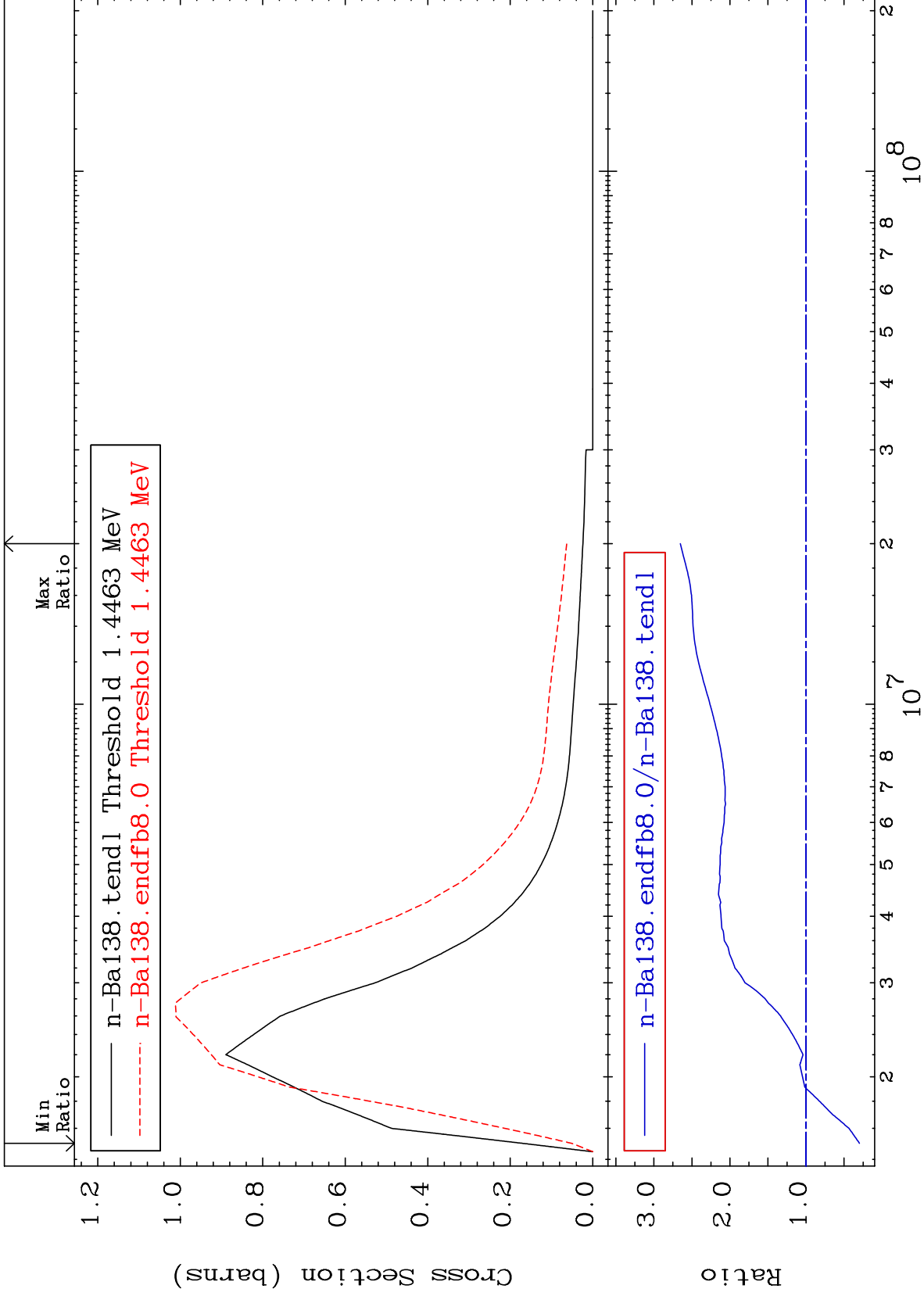
Incident Energy (eV)

56-Ba-138

MAT 5649

MT= 51 (n,n') Level
Cross Section

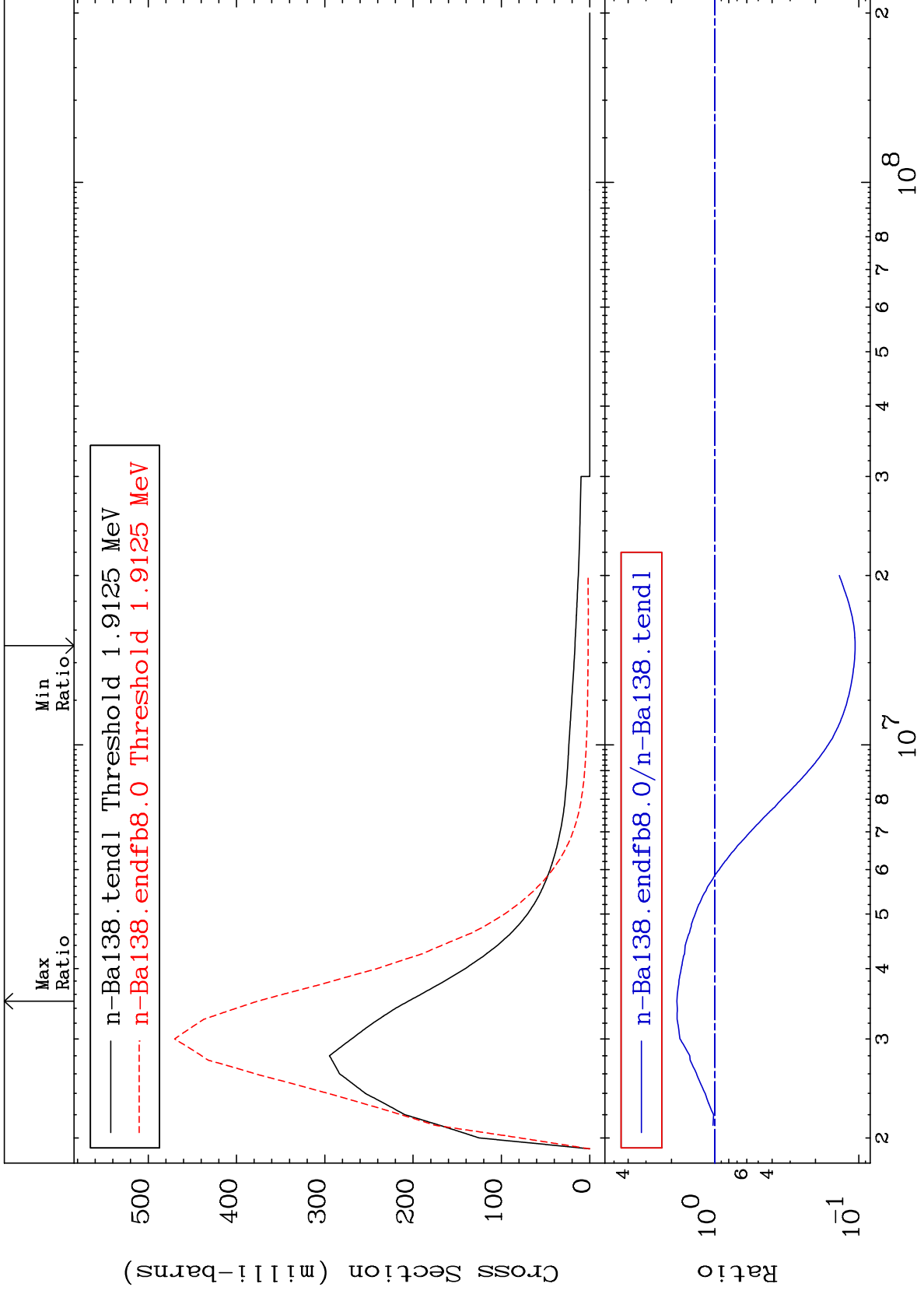
56-Ba-138
-70.18 To 165.2 %



MAT 5649

MT= 52 (n,n') Level
Cross Section

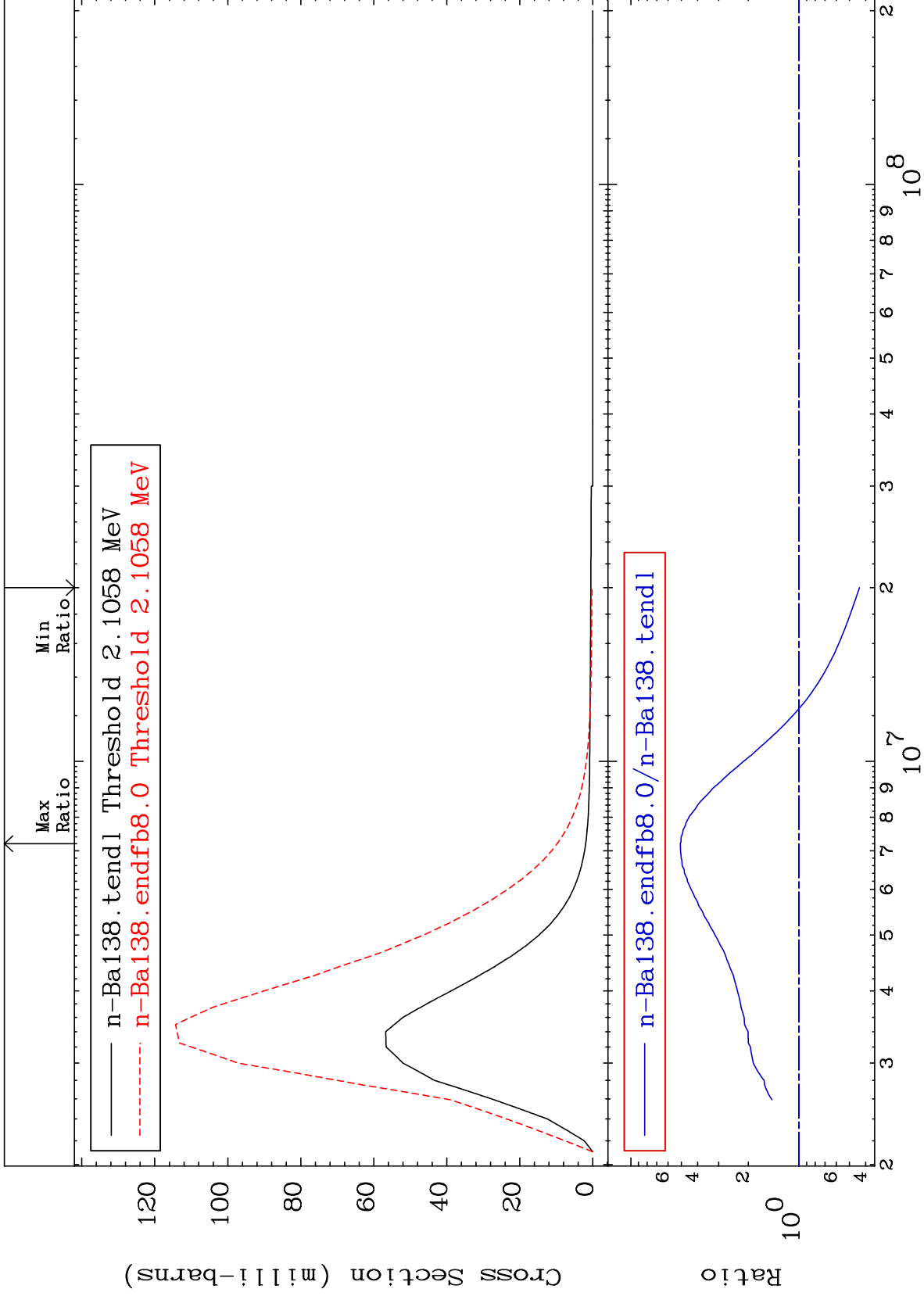
56-Ba-138
-89.38 To 83.10 %



MAT 5649

MT= 53 (n, n') Level
Cross Section

56-Ba-138
-56.37 To 407.2 %



10

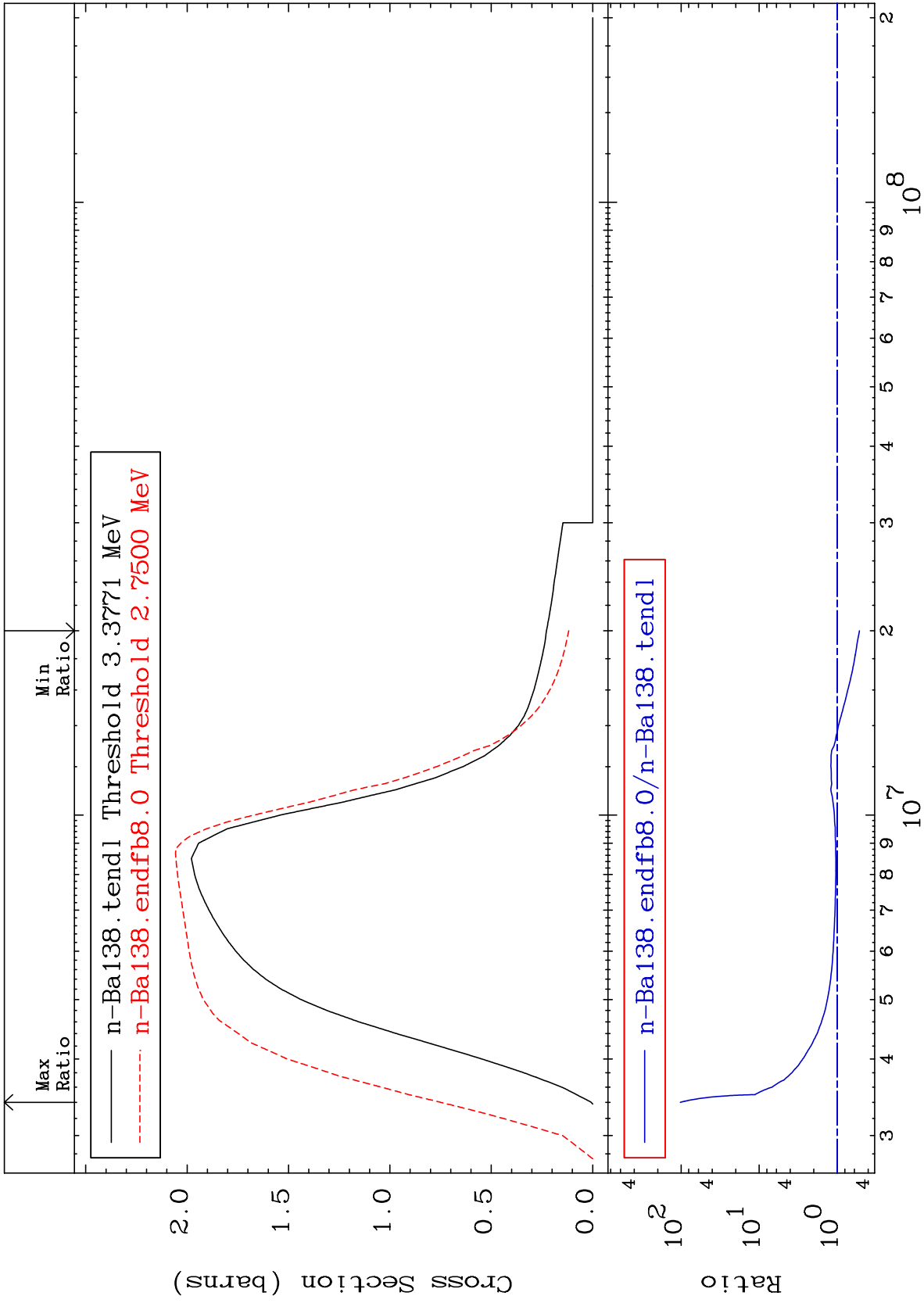
Incident Energy (eV)

56-Ba-138

MAT 5649

(n, n') Continuum
Cross Section

56-Ba-138
-48.09 To 9999. %

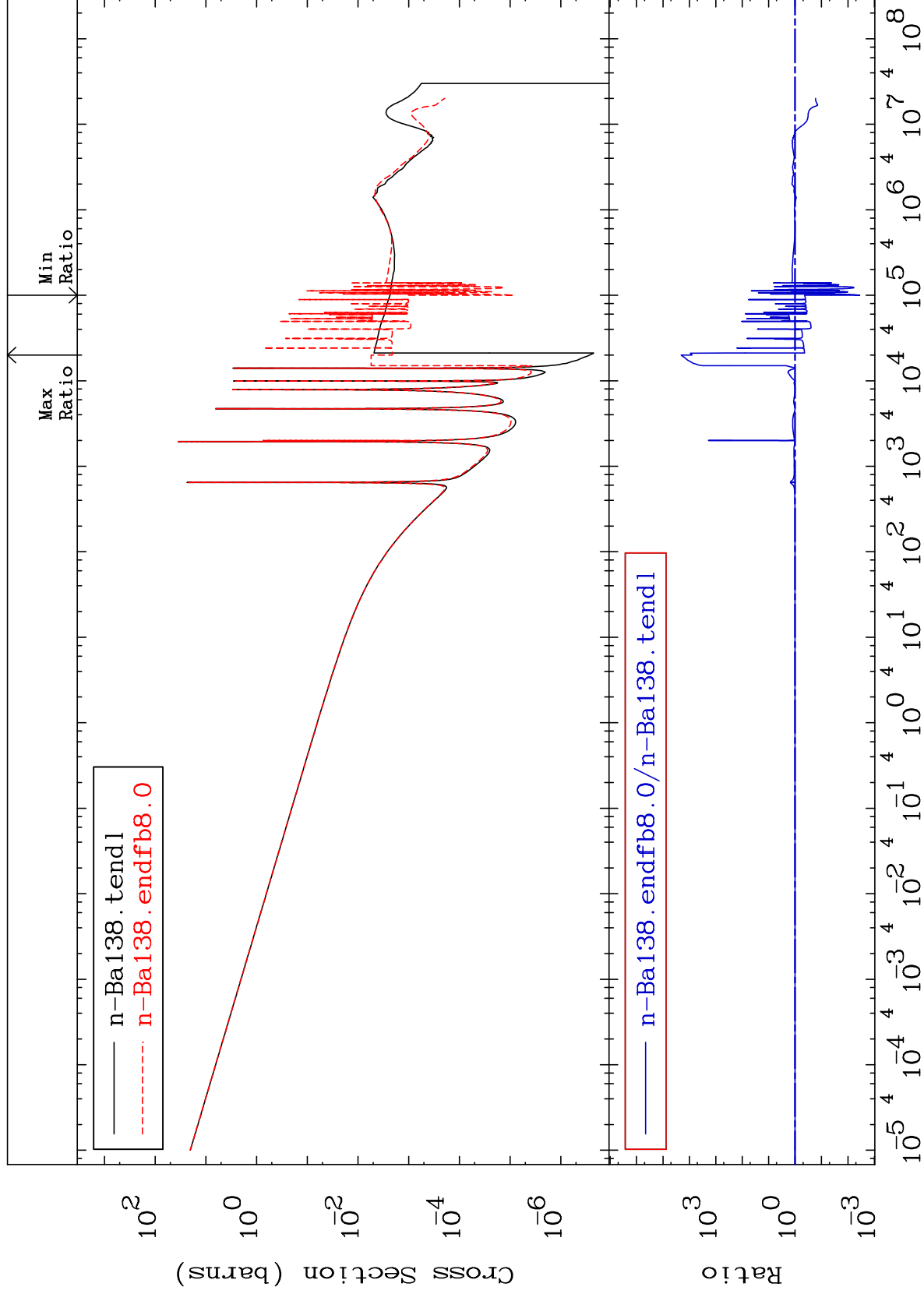


MAT 5649

56-Ba-138

(n, γ)
Cross Section

-99.64 To 9999. %



12

Incident Energy (eV)

56-Ba-138

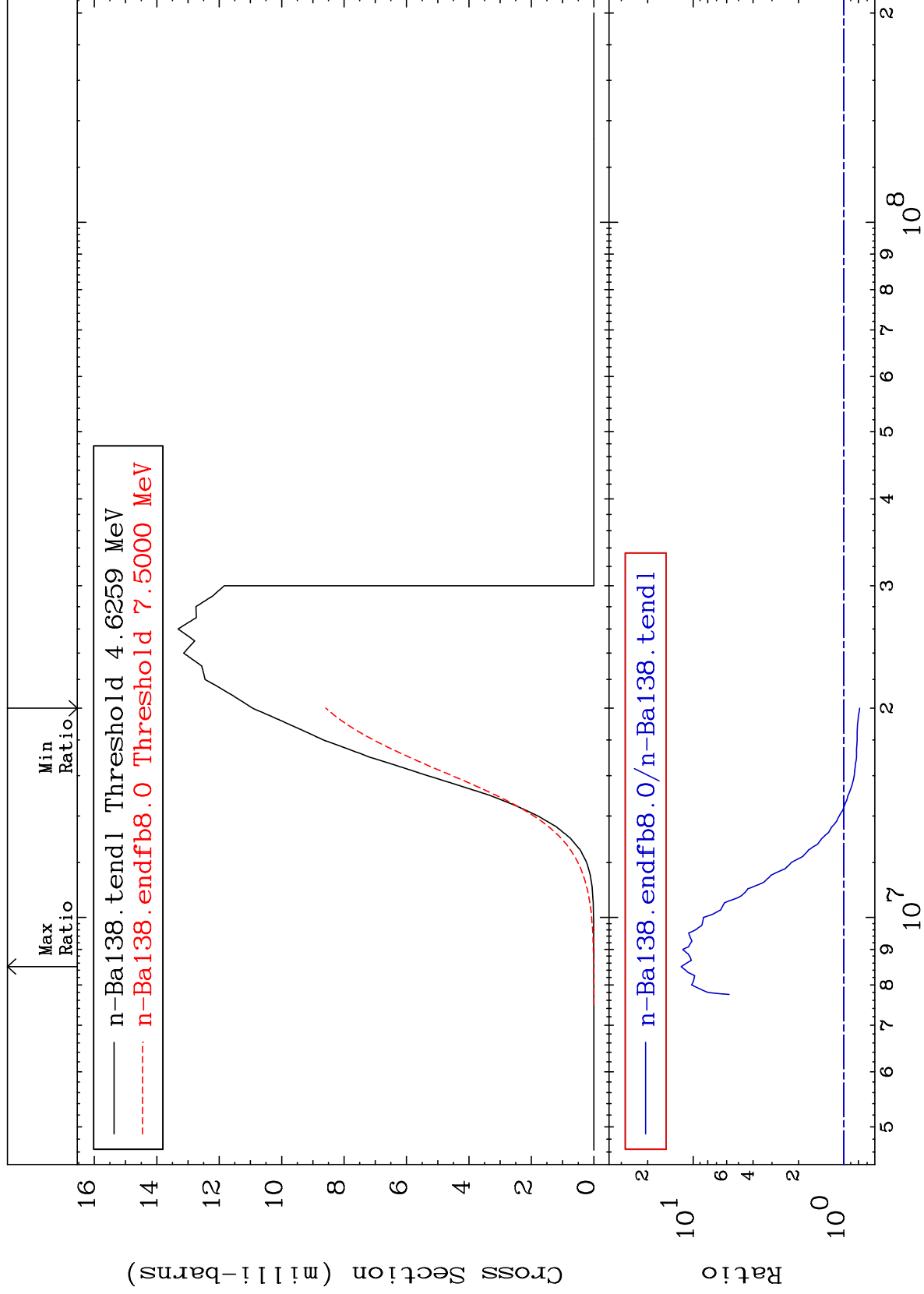
MAT 5649

(n,p)

56-Ba-138

Cross Section

-21.45 To 1100. %



13

Incident Energy (eV)

56-Ba-138

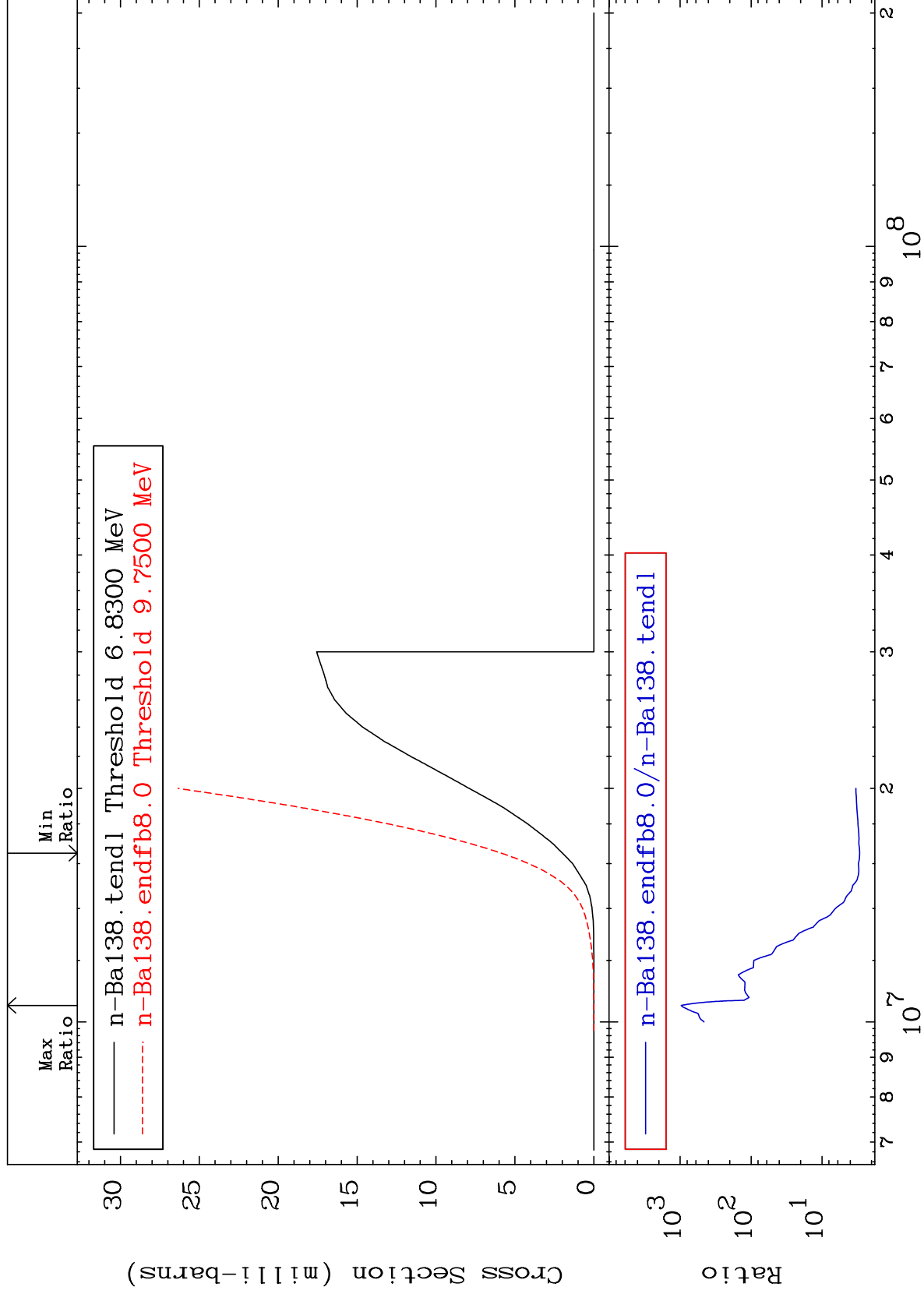
MAT 5649

(n, d)

56-Ba-138

Cross Section

194.5 To 9999. %



14

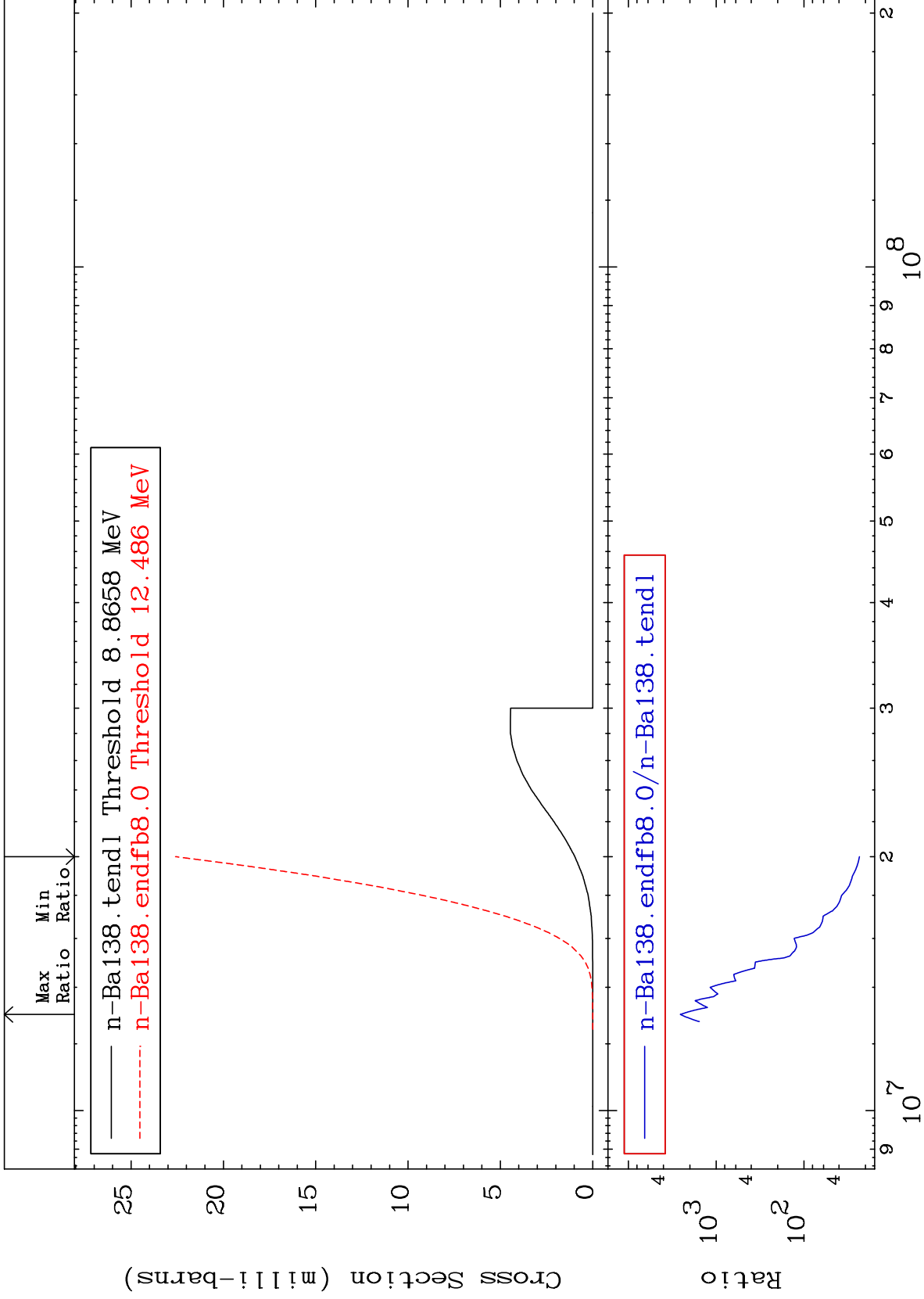
56-Ba-138

56-Ba-138

MAT 5649

(n, t)
Cross Section

56-Ba-138
To 9999. %



15

Incident Energy (eV)

56-Ba-138

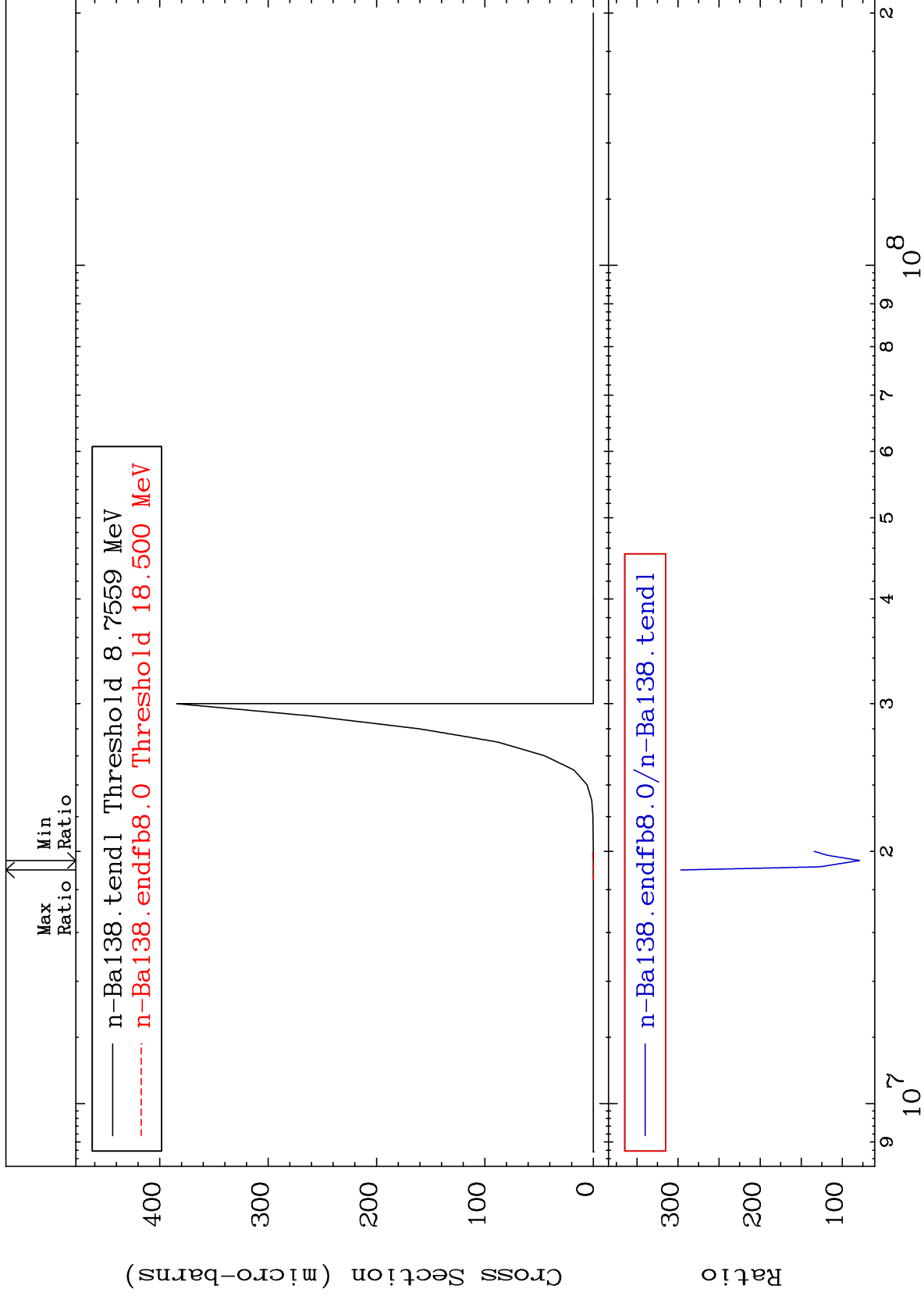
MAT 5649

(n, He-3)

56-Ba-138

Cross Section

To 9999. %



16

Incident Energy (eV)

56-Ba-138

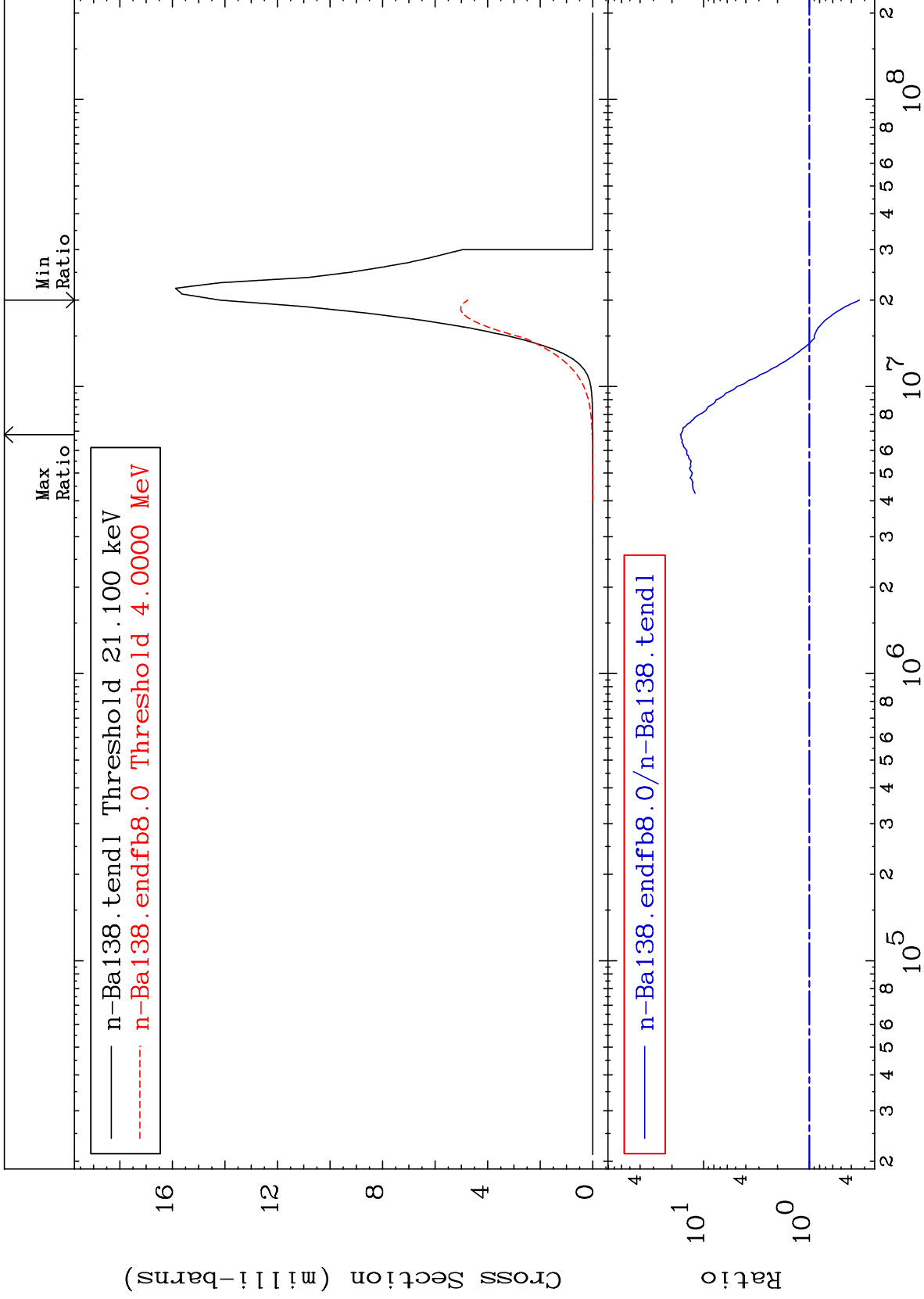
MAT 5649

(n, α)

56-Ba-138

Cross Section

-66.46 To 1565. %



17

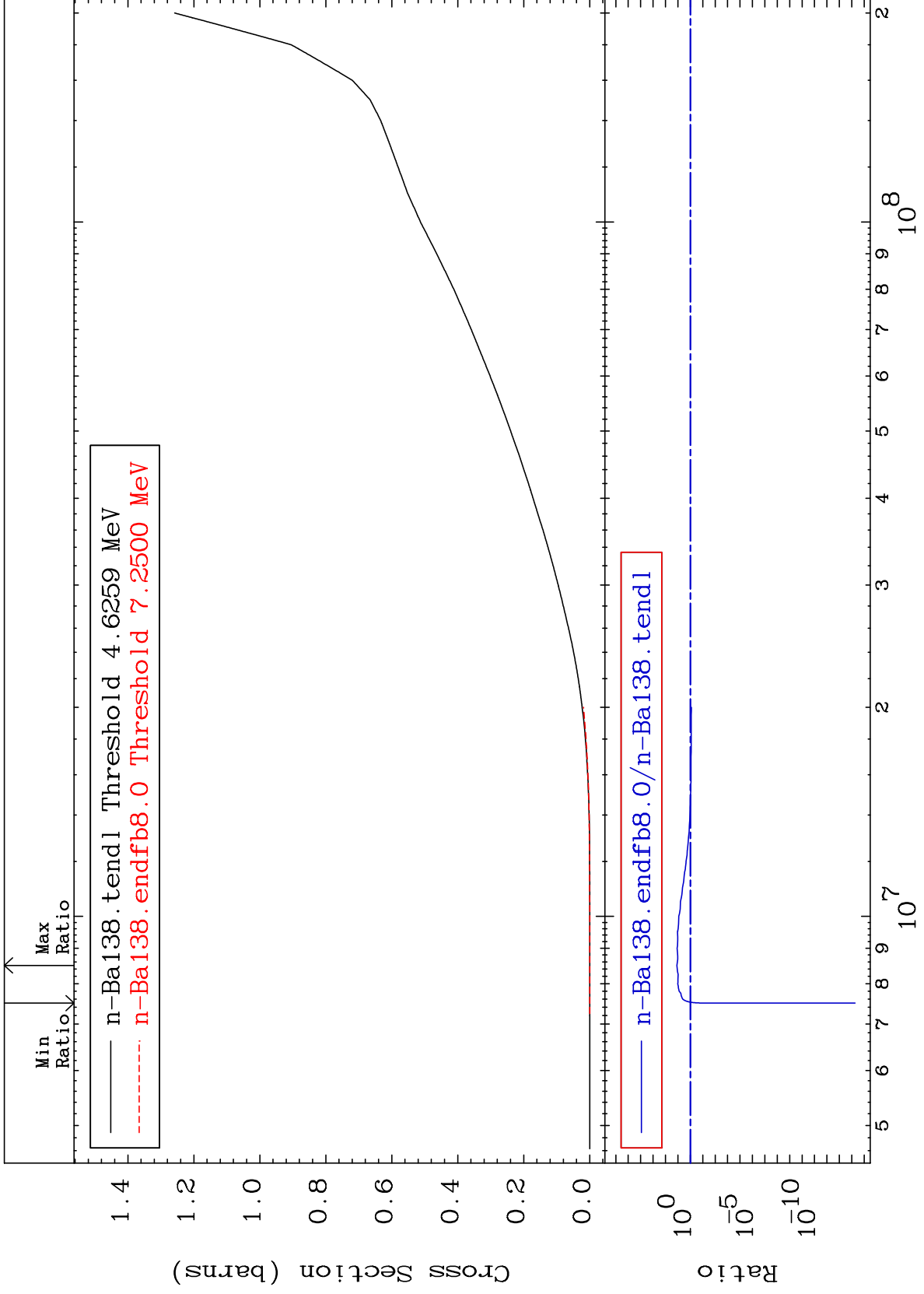
Incident Energy (eV)

56-Ba-138

MAT 5649

Hydrogen Production
Cross Section

56-Ba-138
-100.0 To 1100. %



18

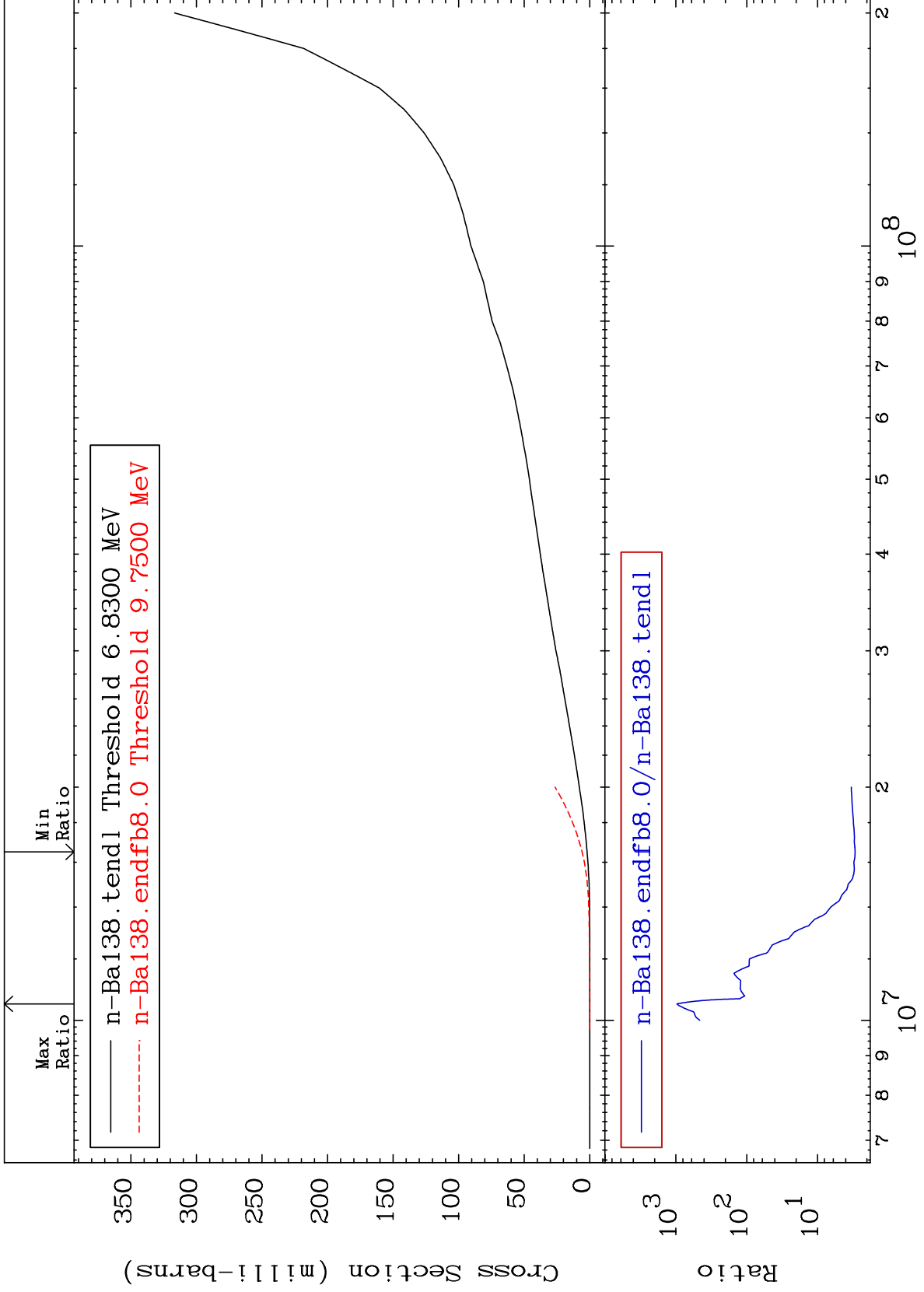
Incident Energy (eV)

56-Ba-138

MAT 5649

Deuterium Production
Cross Section

56-Ba-138
194.5 To 9999. %



19

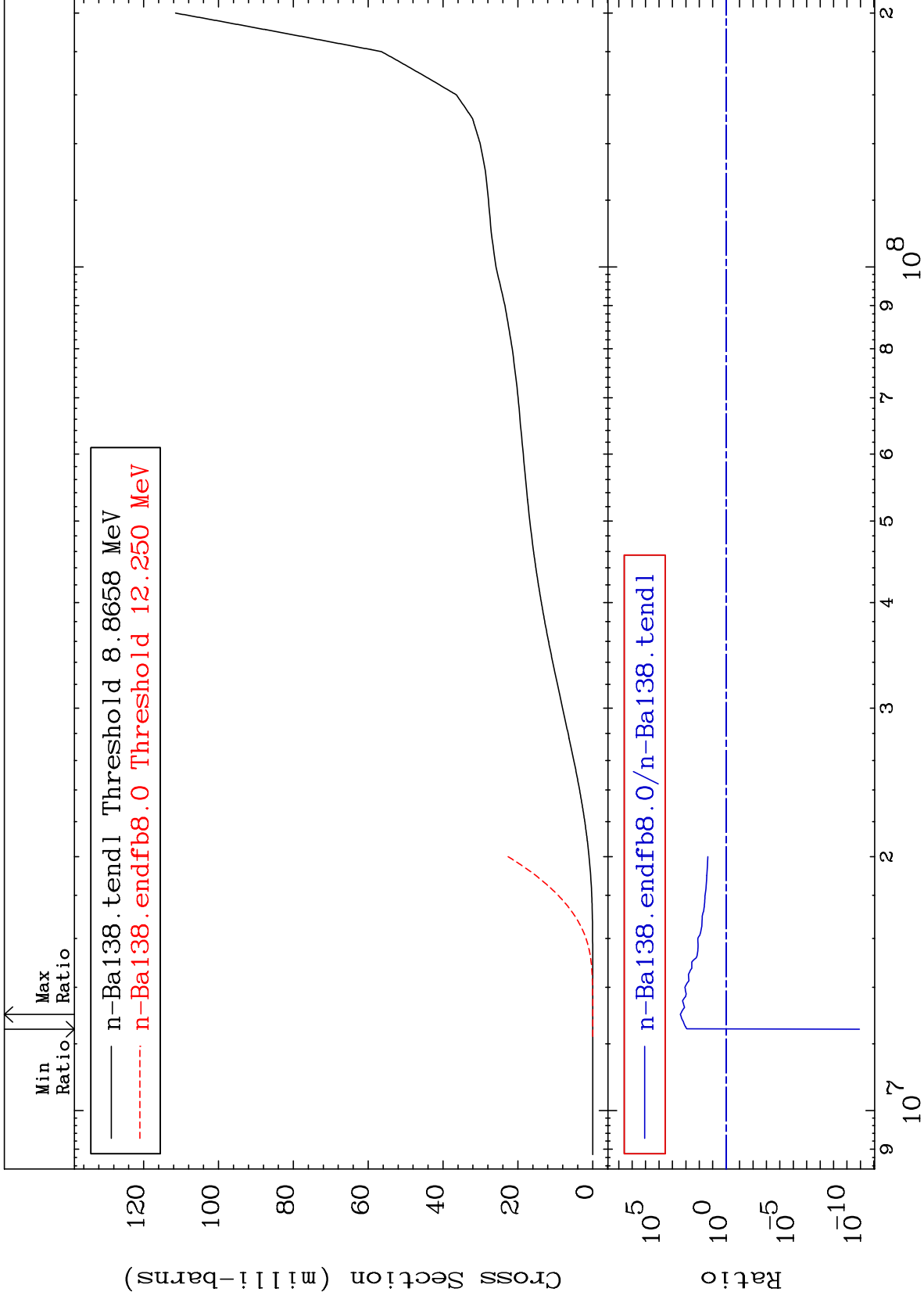
Incident Energy (eV)

56-Ba-138

MAT 5649

Tritium Production
Cross Section

56-Ba-138
-100.0 To 9999. %



20

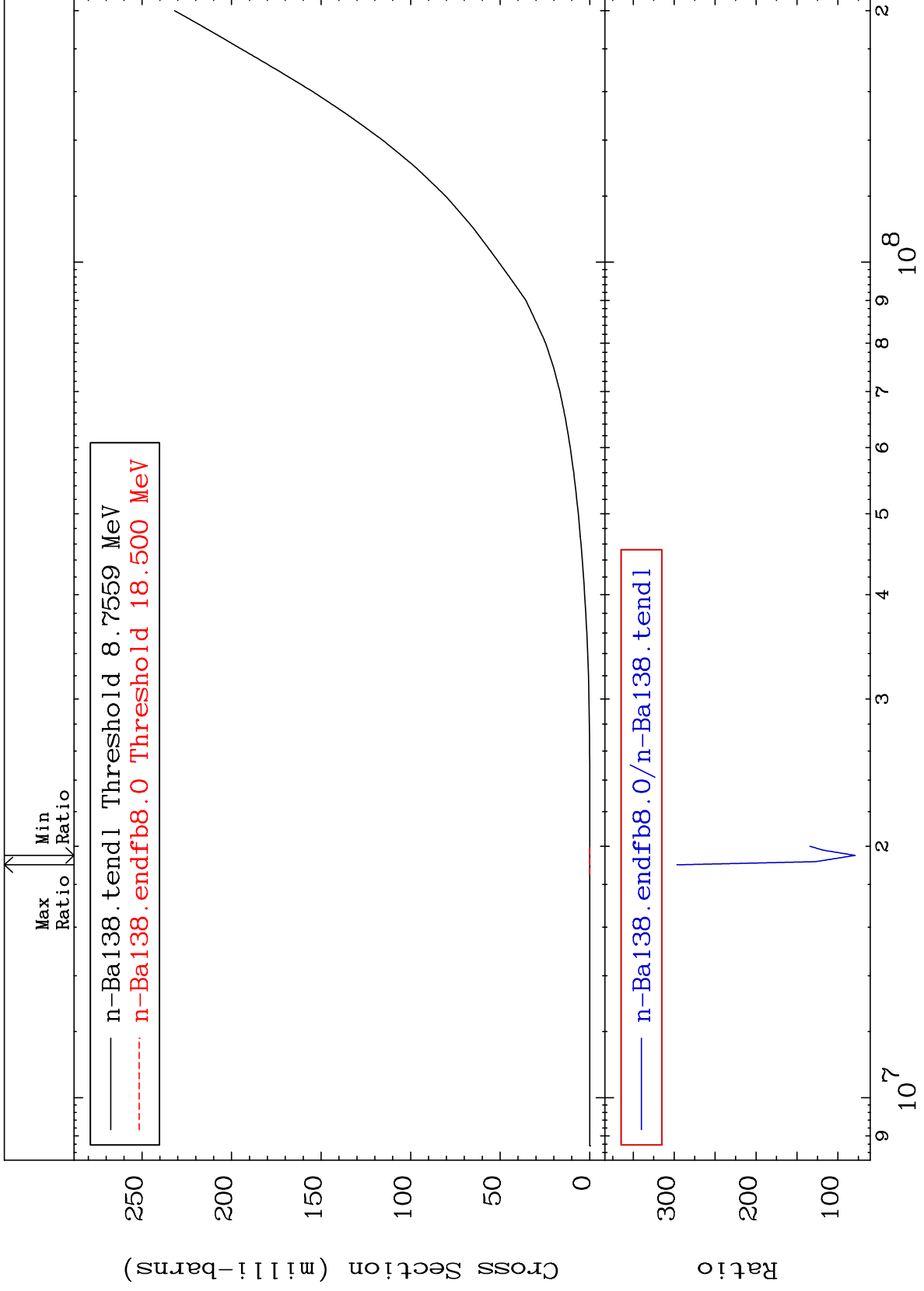
Incident Energy (eV)

56-Ba-138

MAT 5649

He-3 Production
Cross Section

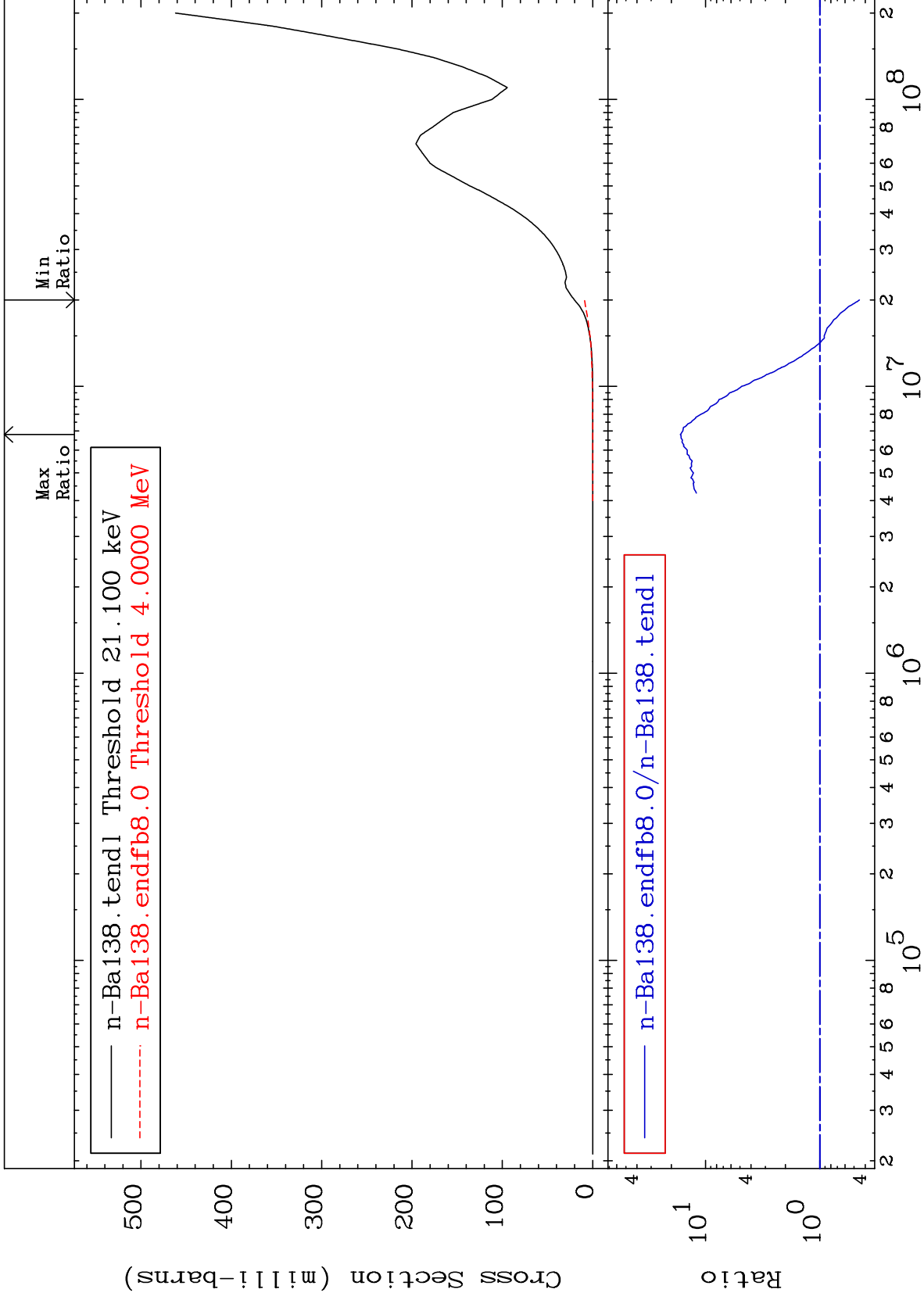
56-Ba-138
To 9999. %
7800. %

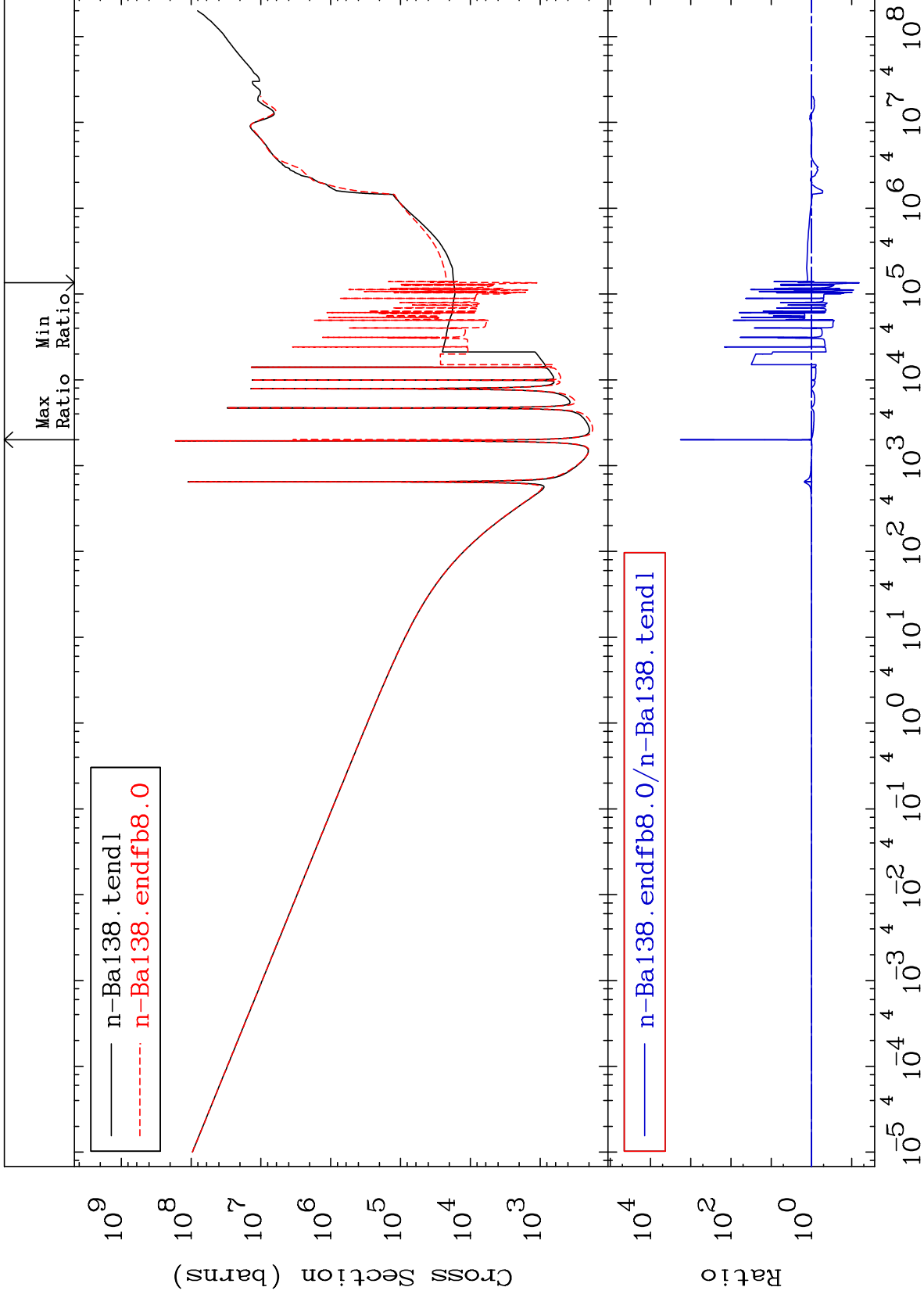


21

Incident Energy (eV)

56-Ba-138

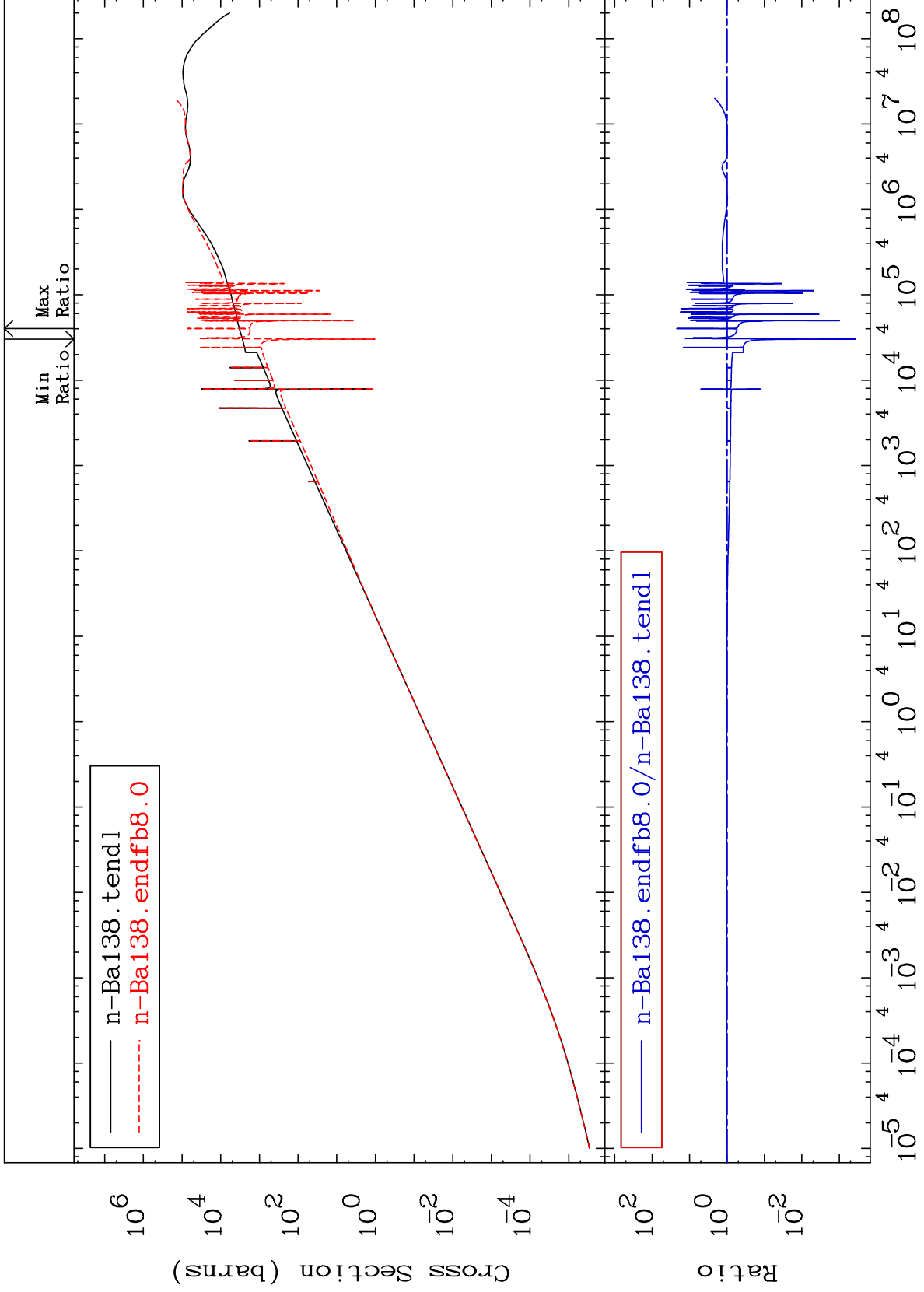


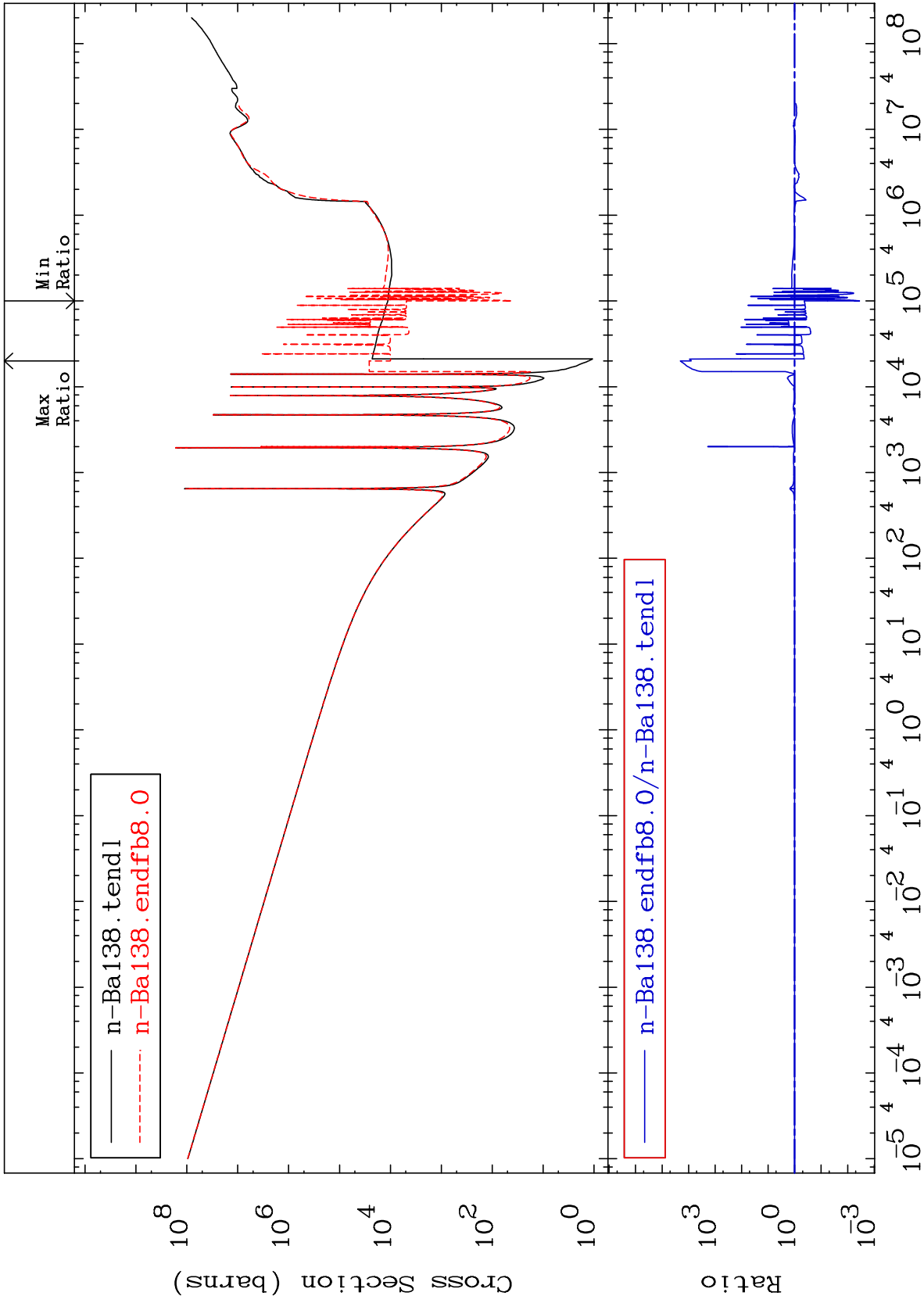


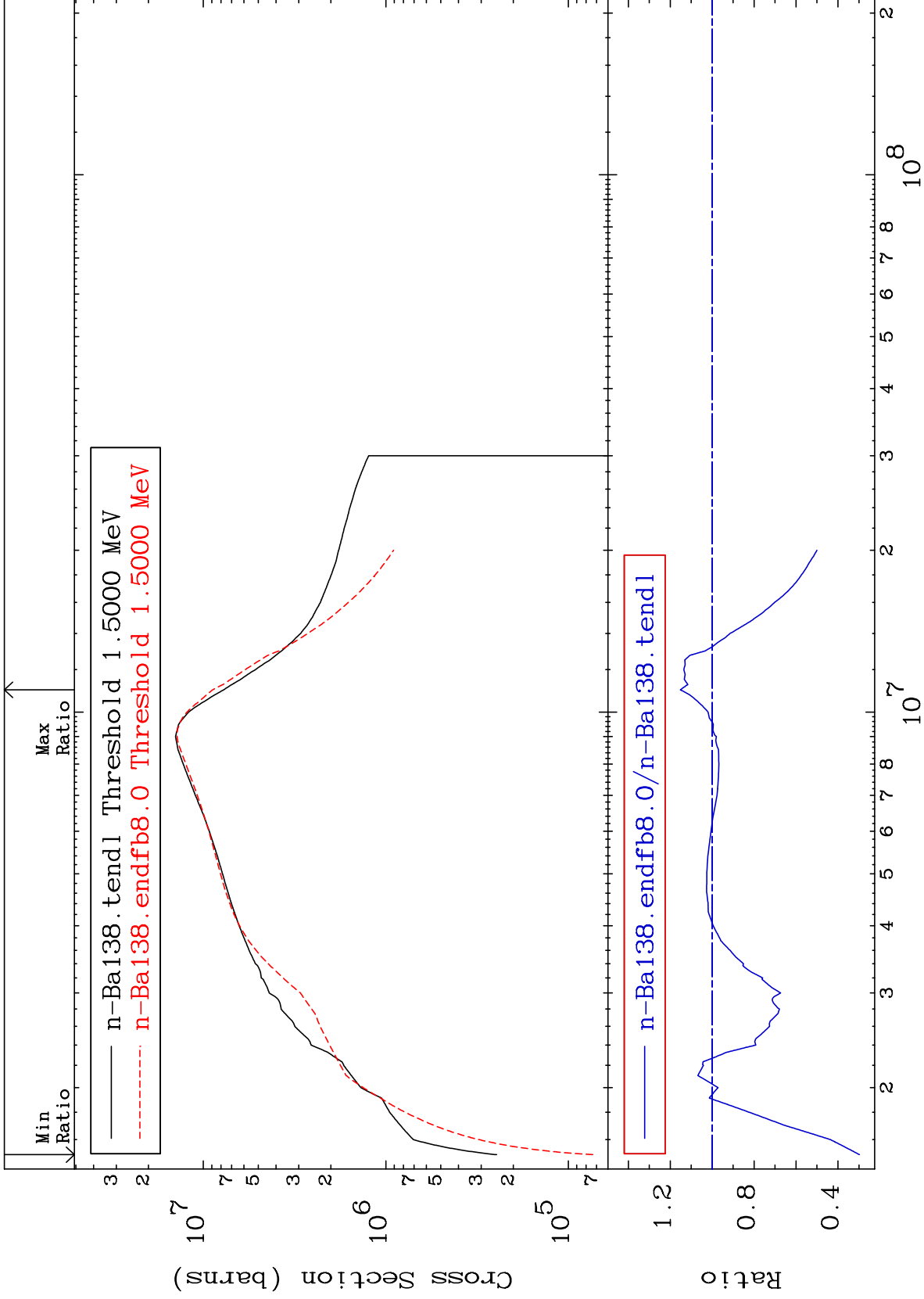
MAT 5649

Kerma elastic
Cross Section

56-Ba-138
-99.96 To 2071. %



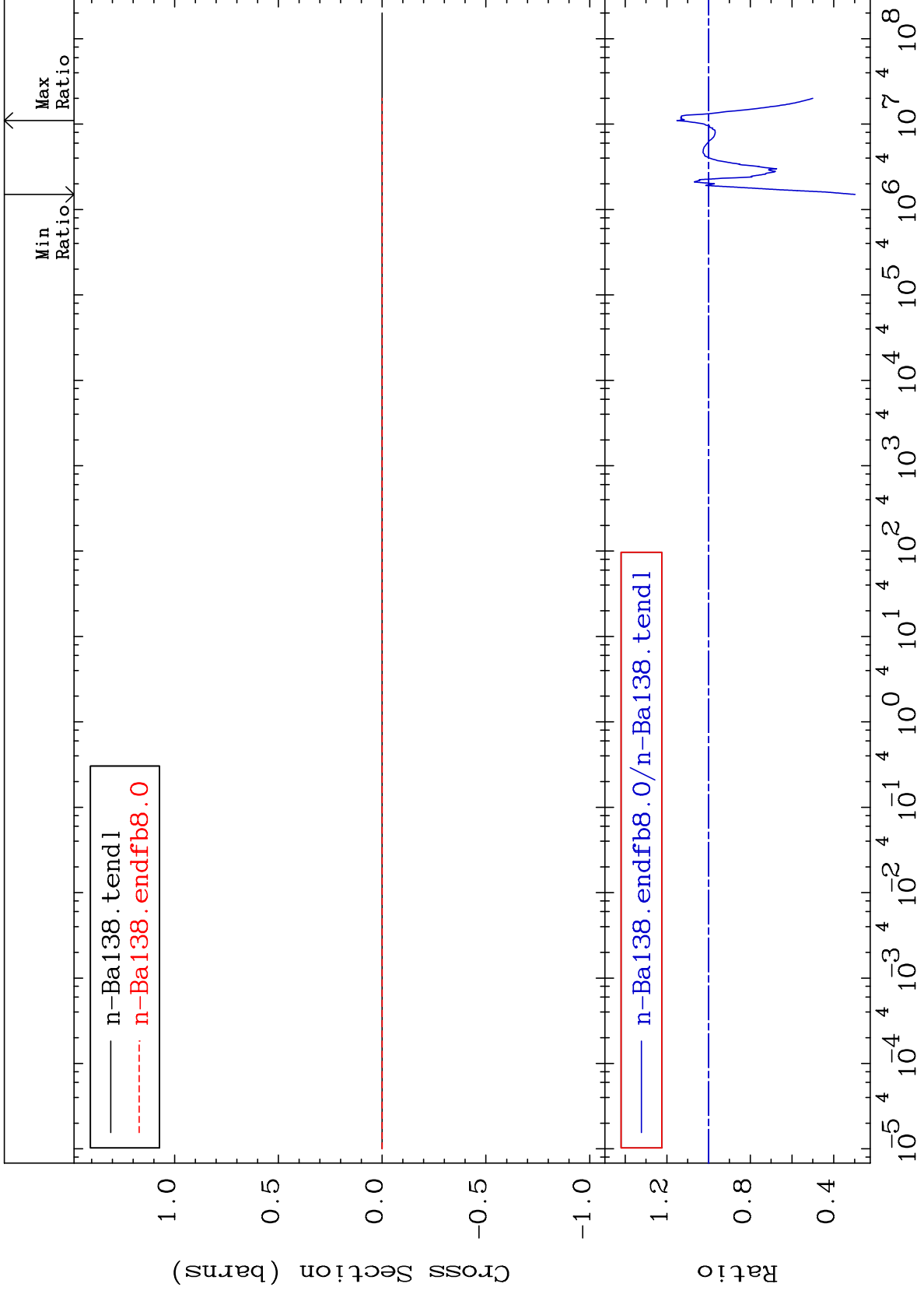


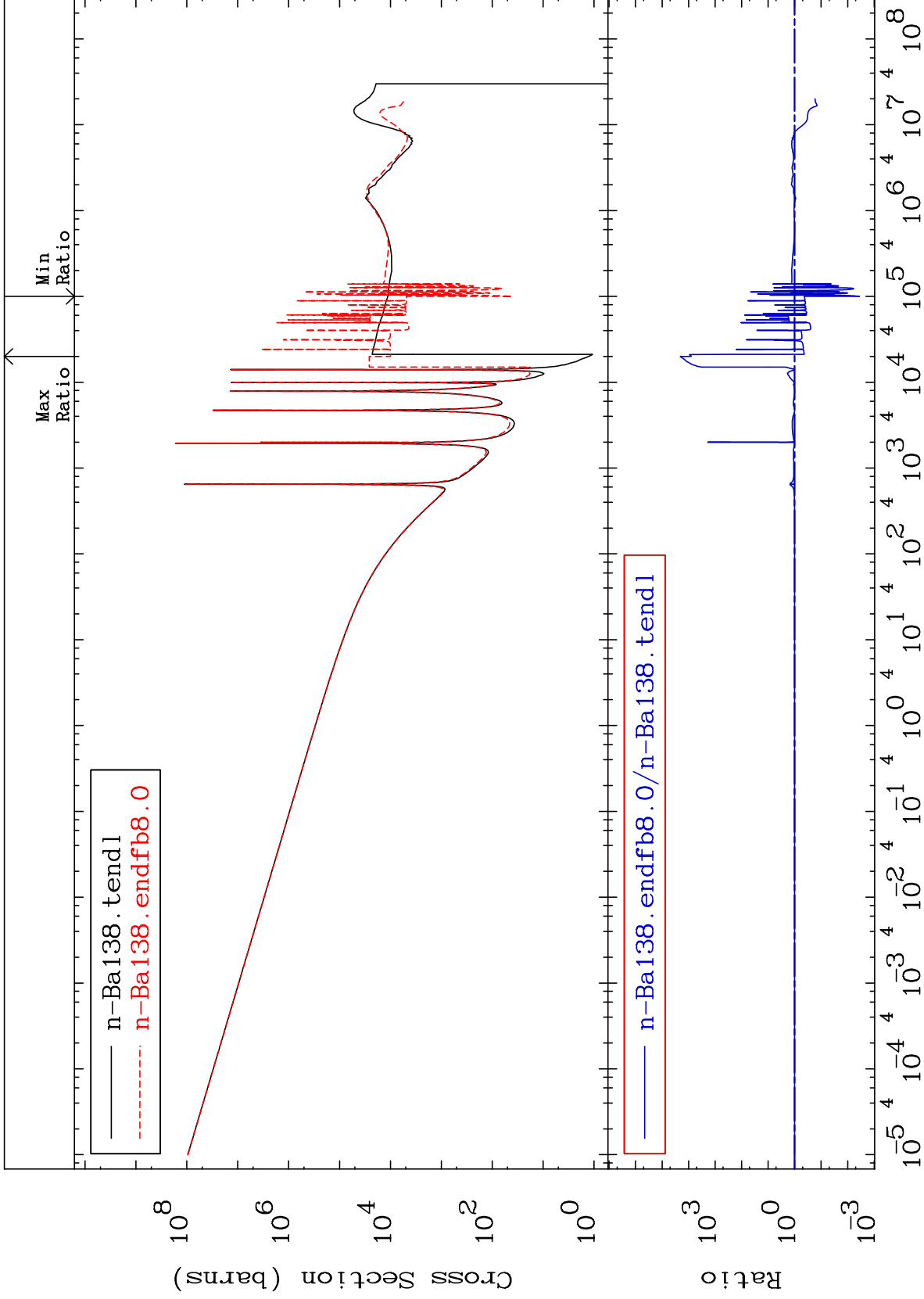


MAT 5649

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

56-Ba-138
-70.25 To 15.17 %

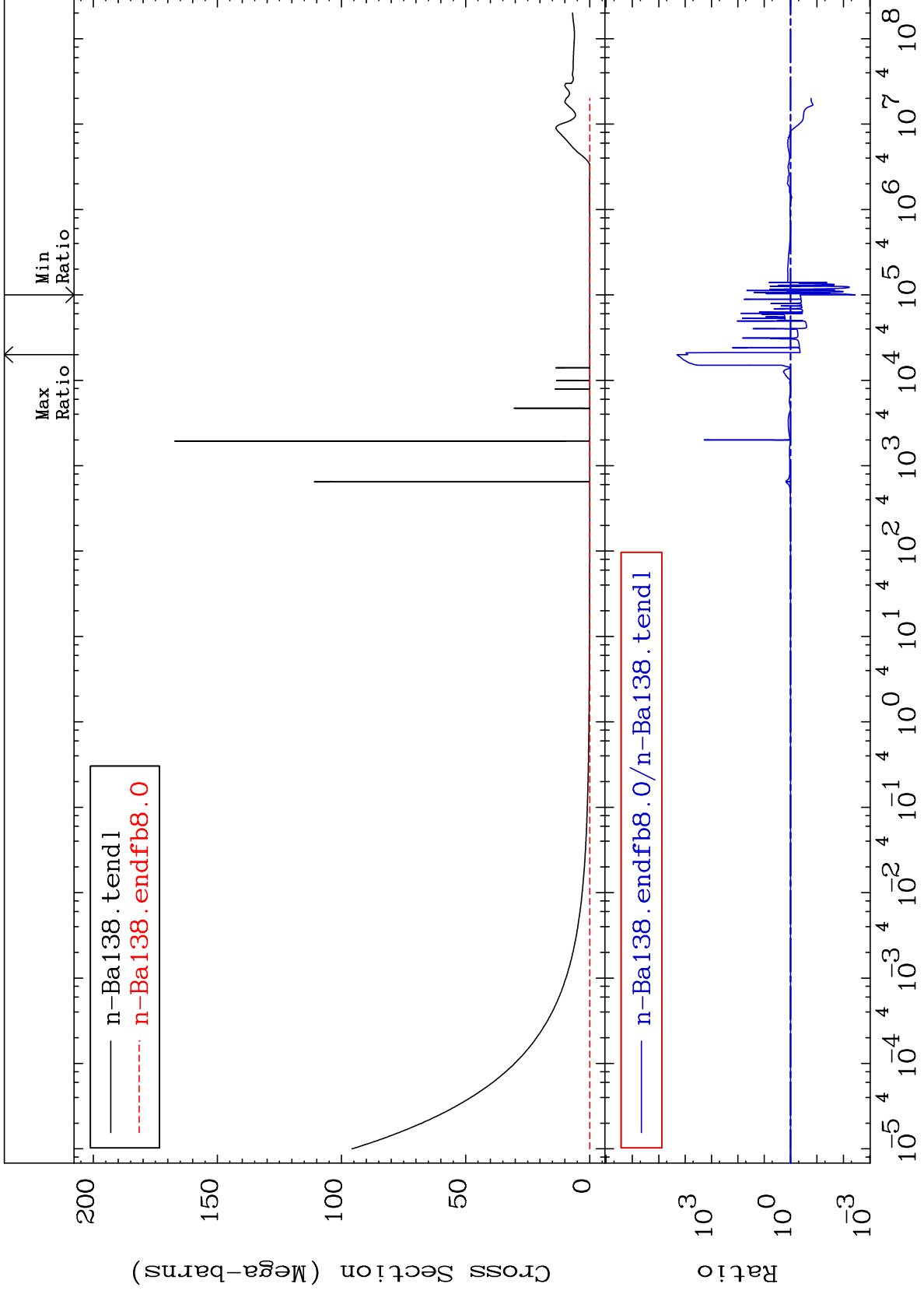




MAT 5649

Total photon (eV-barns)
Cross Section

56-Ba-138
-99.64 To 9999. %



29

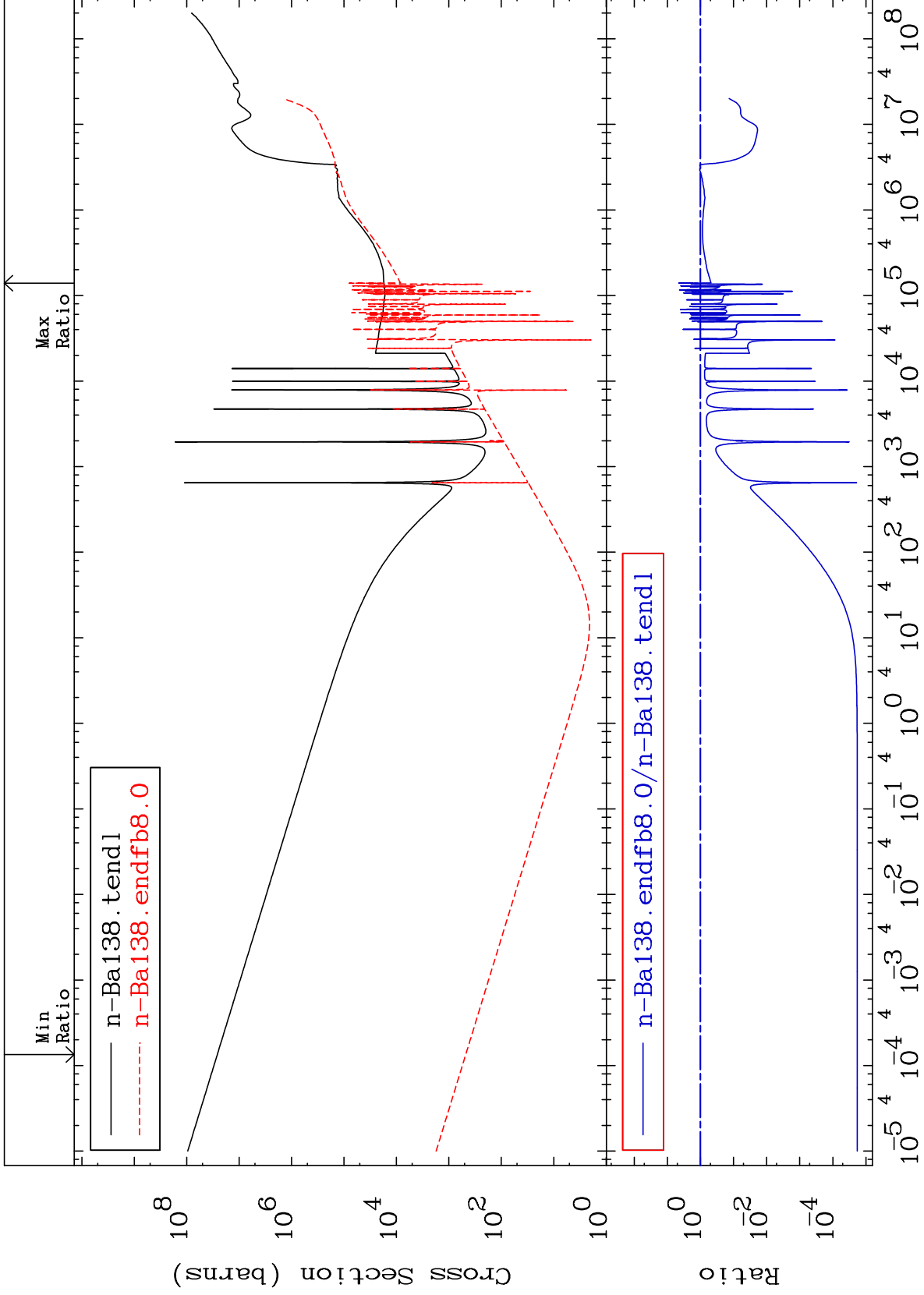
Incident Energy (eV)

56-Ba-138

MAT 5649

Total kinematic kerma (high limit)
Cross Section

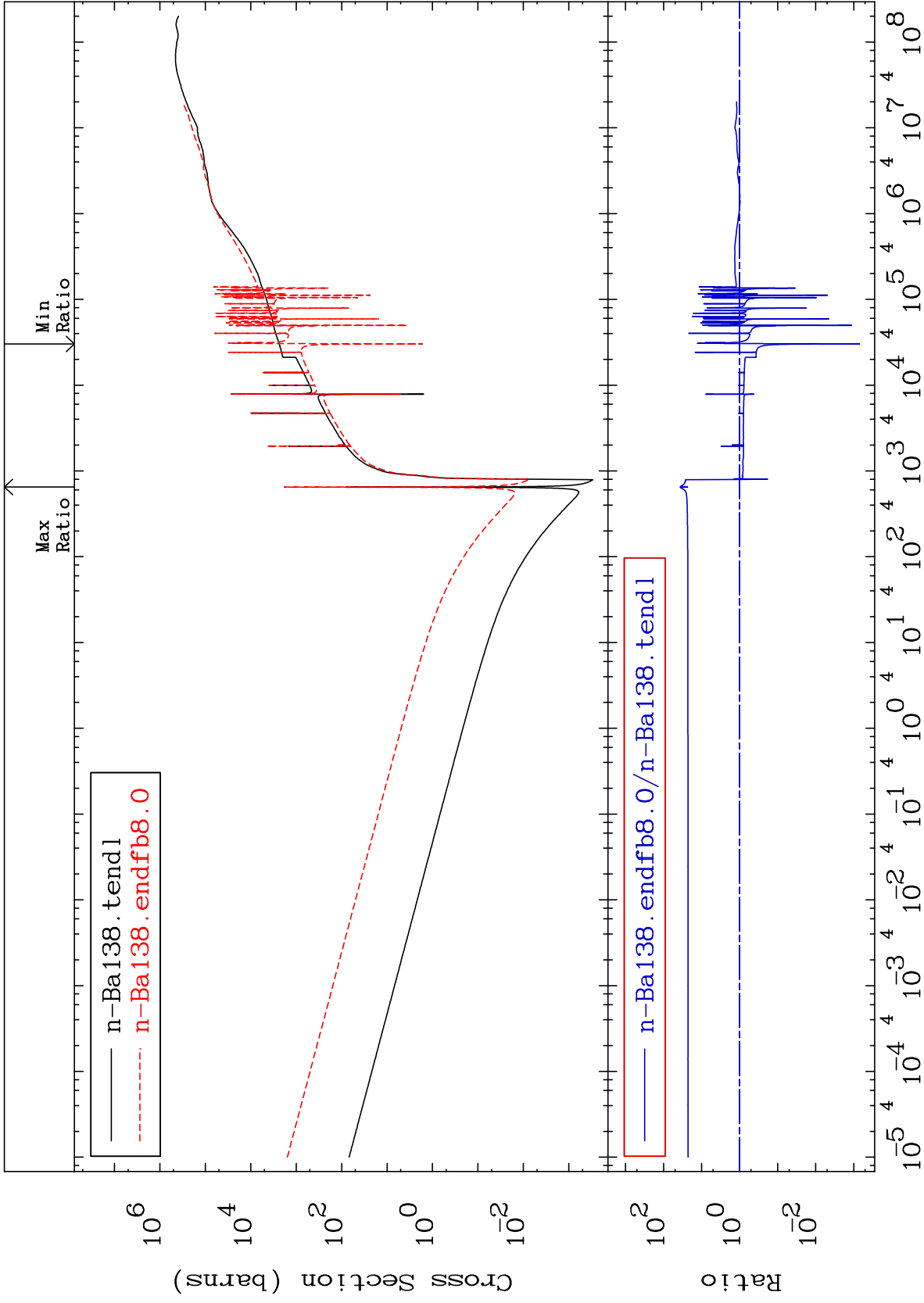
56-Ba-138
-100.0 To 357.5 %



30

56-Ba-138

56-Ba-138



MAT 5649

Dpa elastic (mt2)
Cross Section

56-Ba-138
-99.96 To 2072. %

