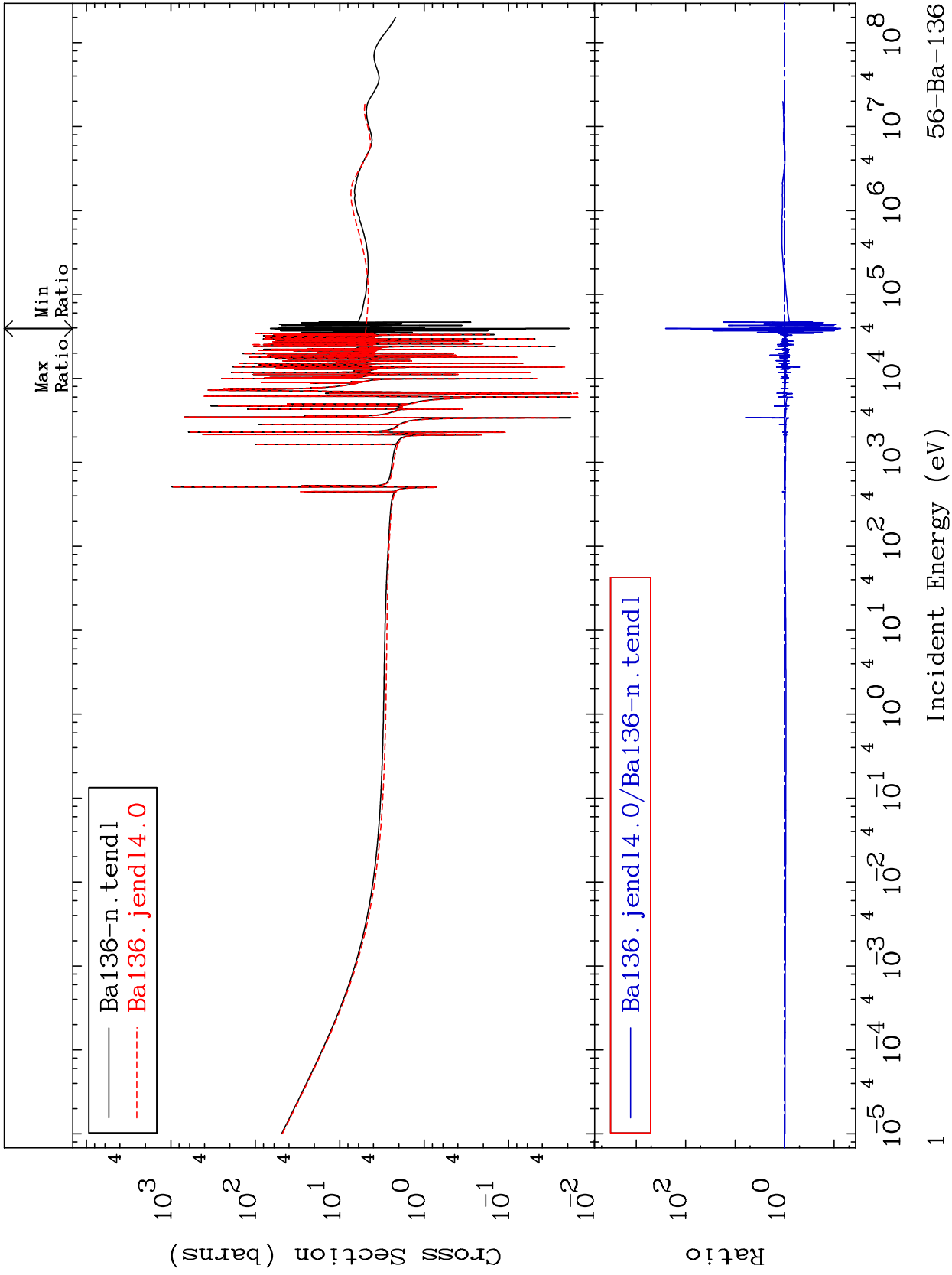


MAT 5643

Total
Cross Section

56-Ba-136
-92.64 To 9999. %



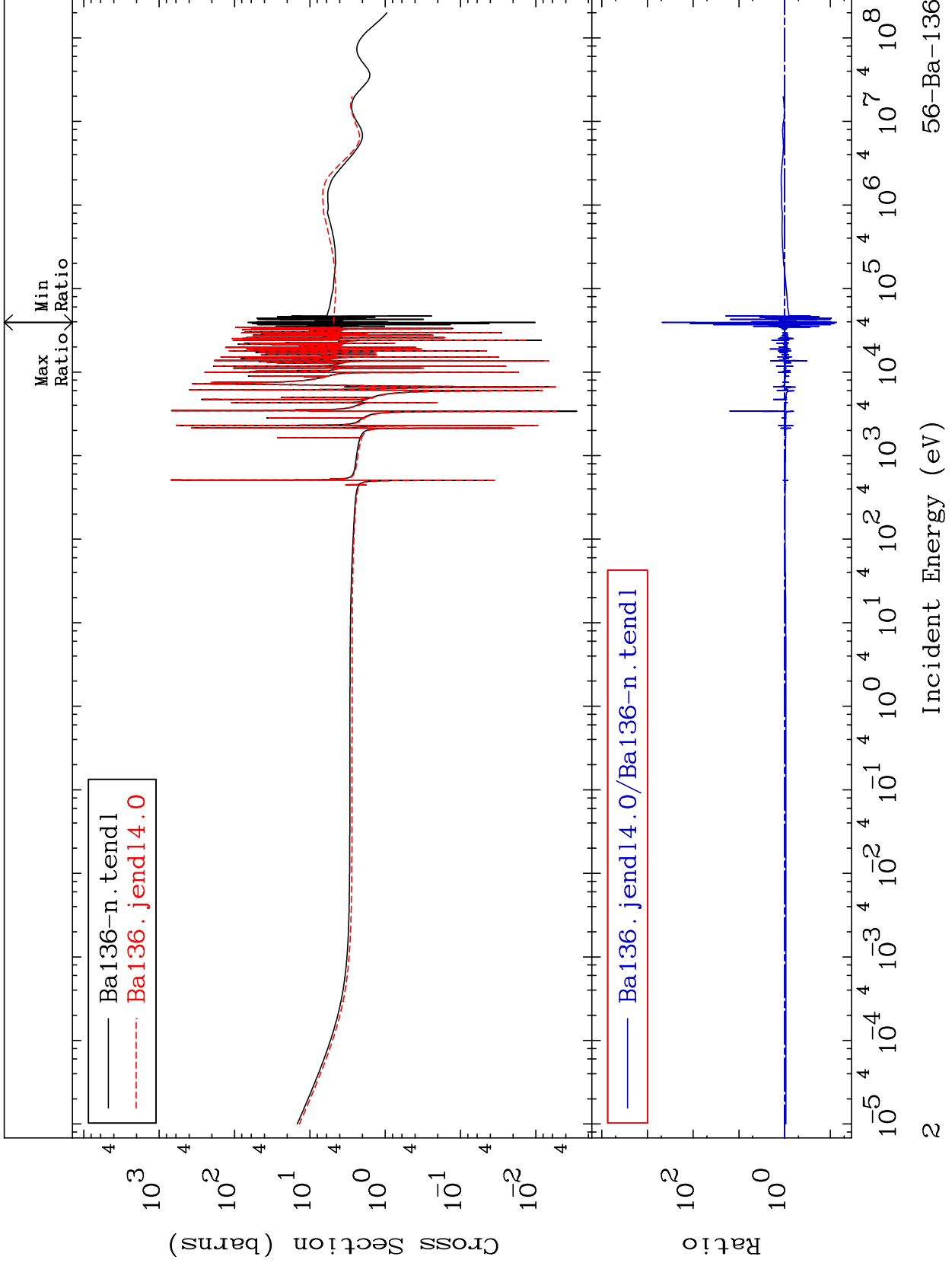
Incident Energy (eV)

56-Ba-136

MAT 5643

Elastic
Cross Section

56-Ba-136
-92.71 To 9999. %



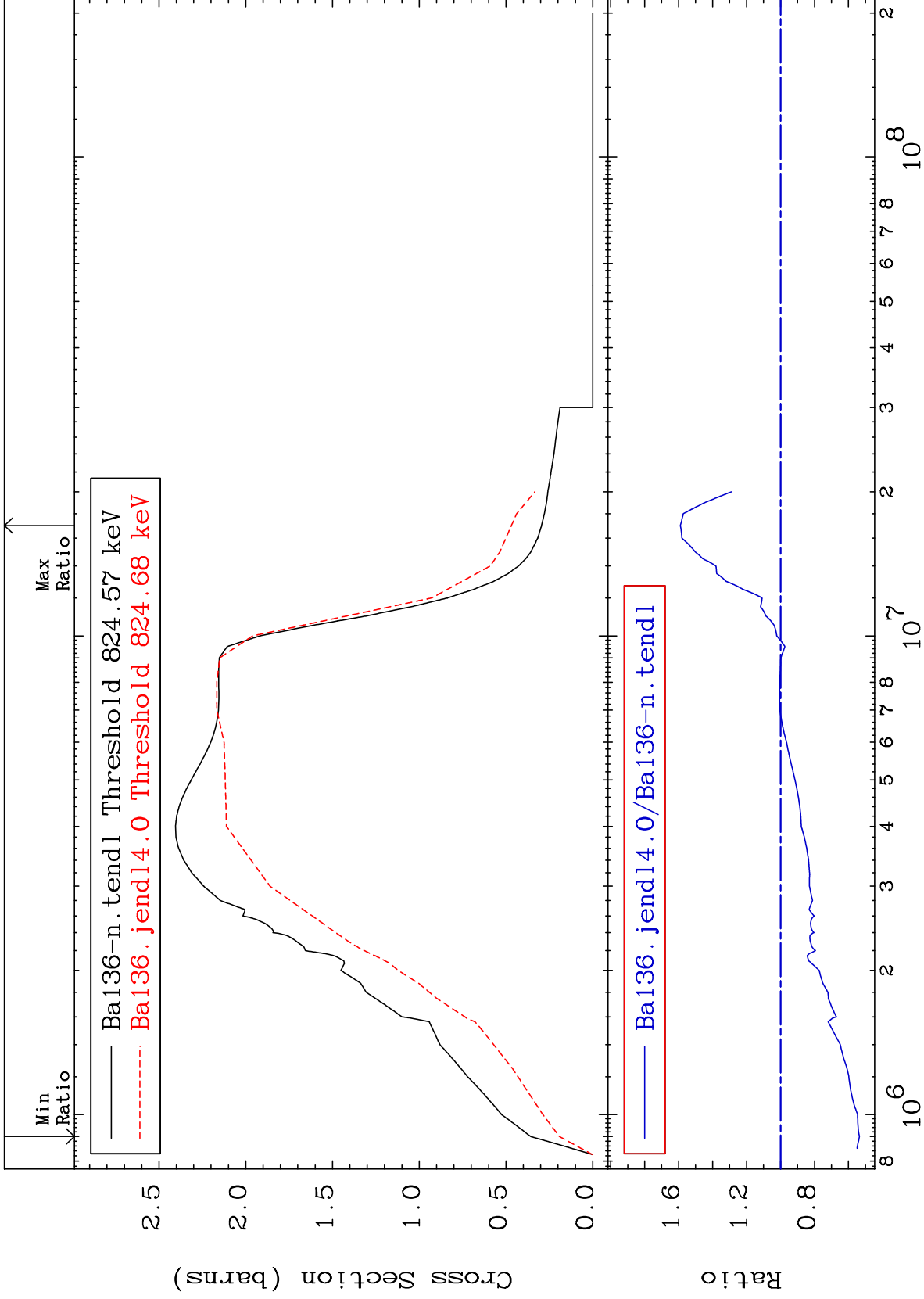
Incident Energy (eV)

56-Ba-136

MAT 5643

Inelastic
Cross Section

56-Ba-136
-46.45 To 58.98 %



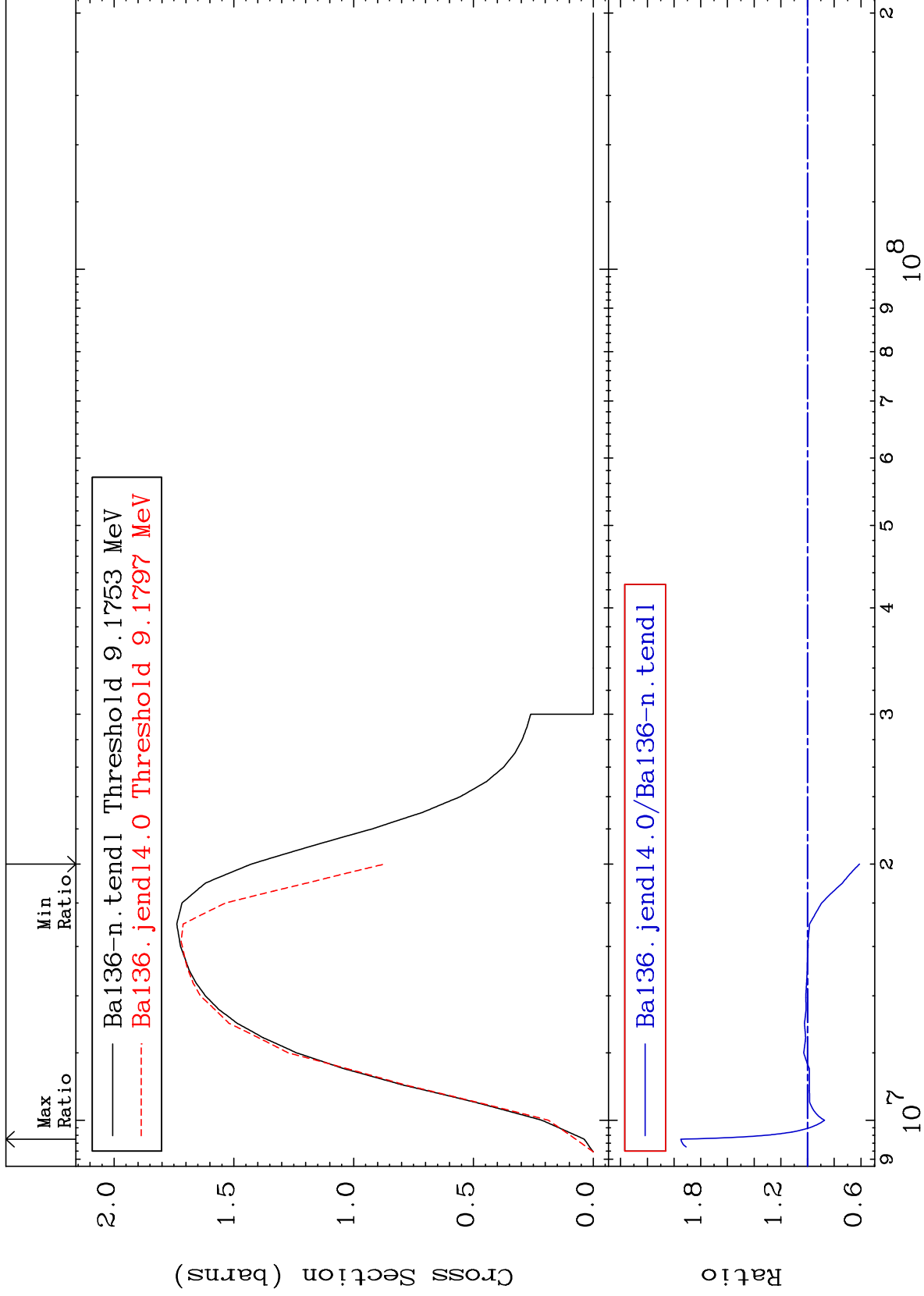
56-Ba-136

56-Ba-136

MAT 5643

(n,2n)
Cross Section

56-Ba-136
-38.96 To 94.95 %



56-Ba-136

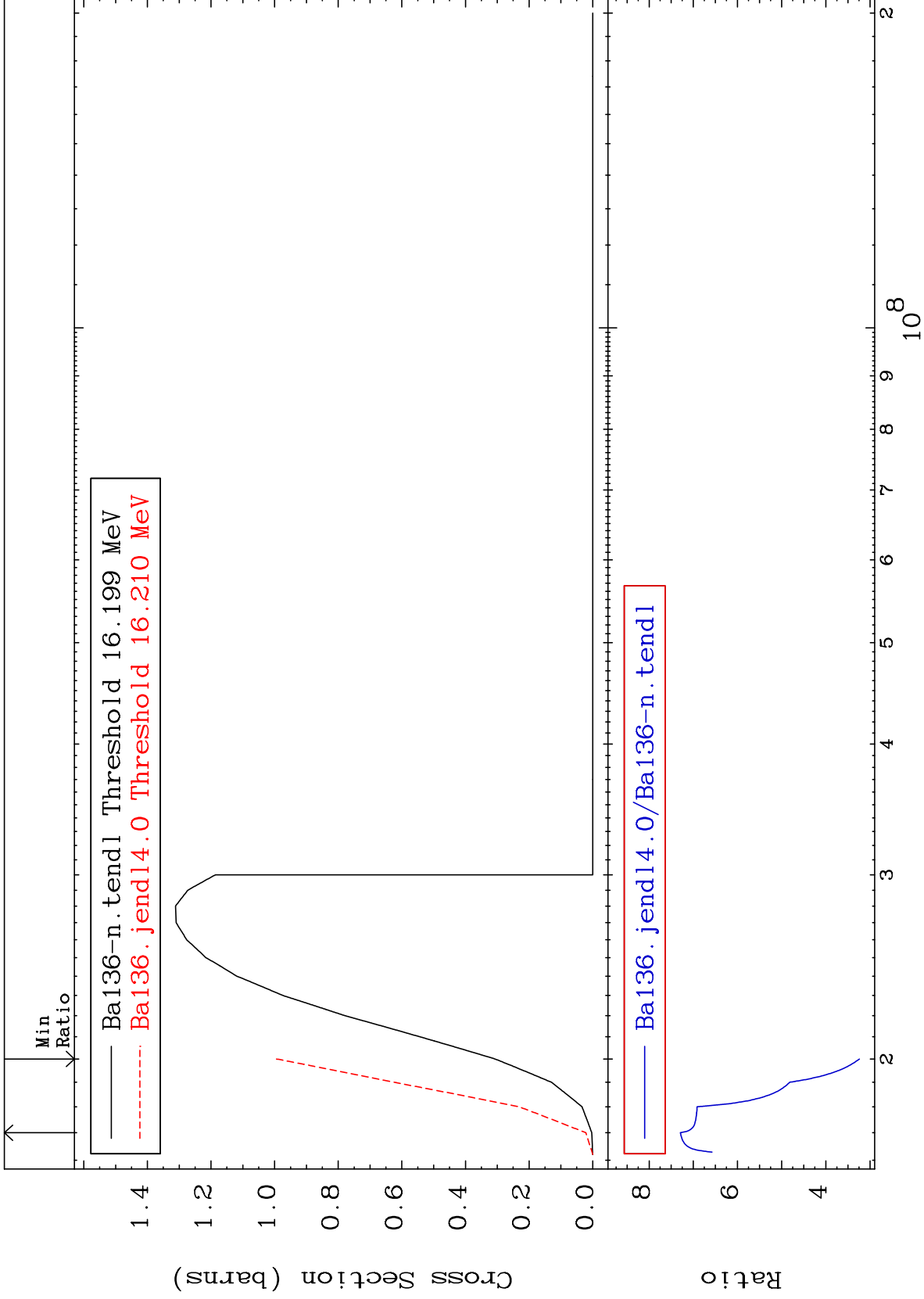
Incident Energy (eV)

4

MAT 5643

(n,3n)
Cross Section

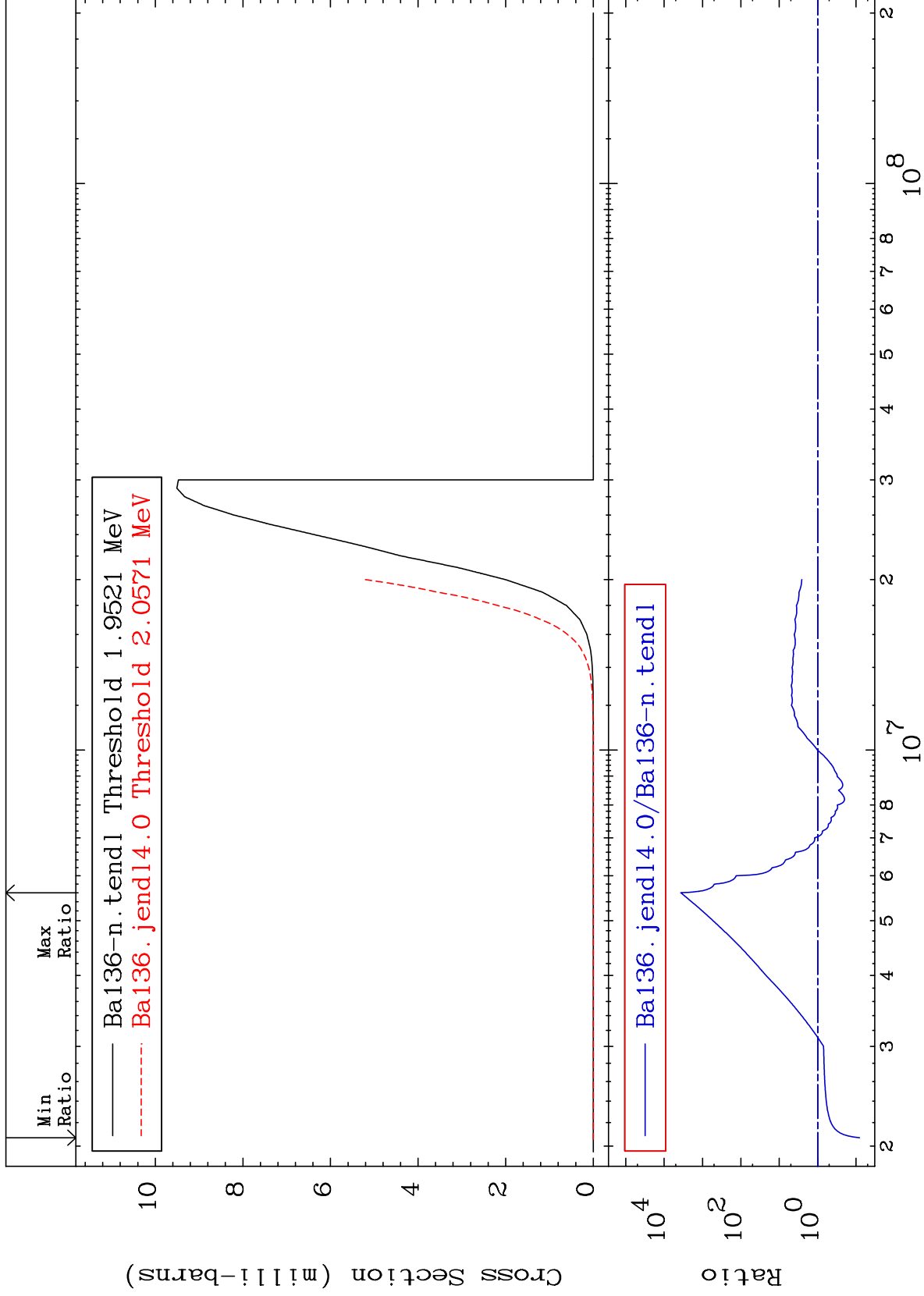
56-Ba-136
223.9 To 629.3 %



MAT 5643

(n, n') α
Cross Section

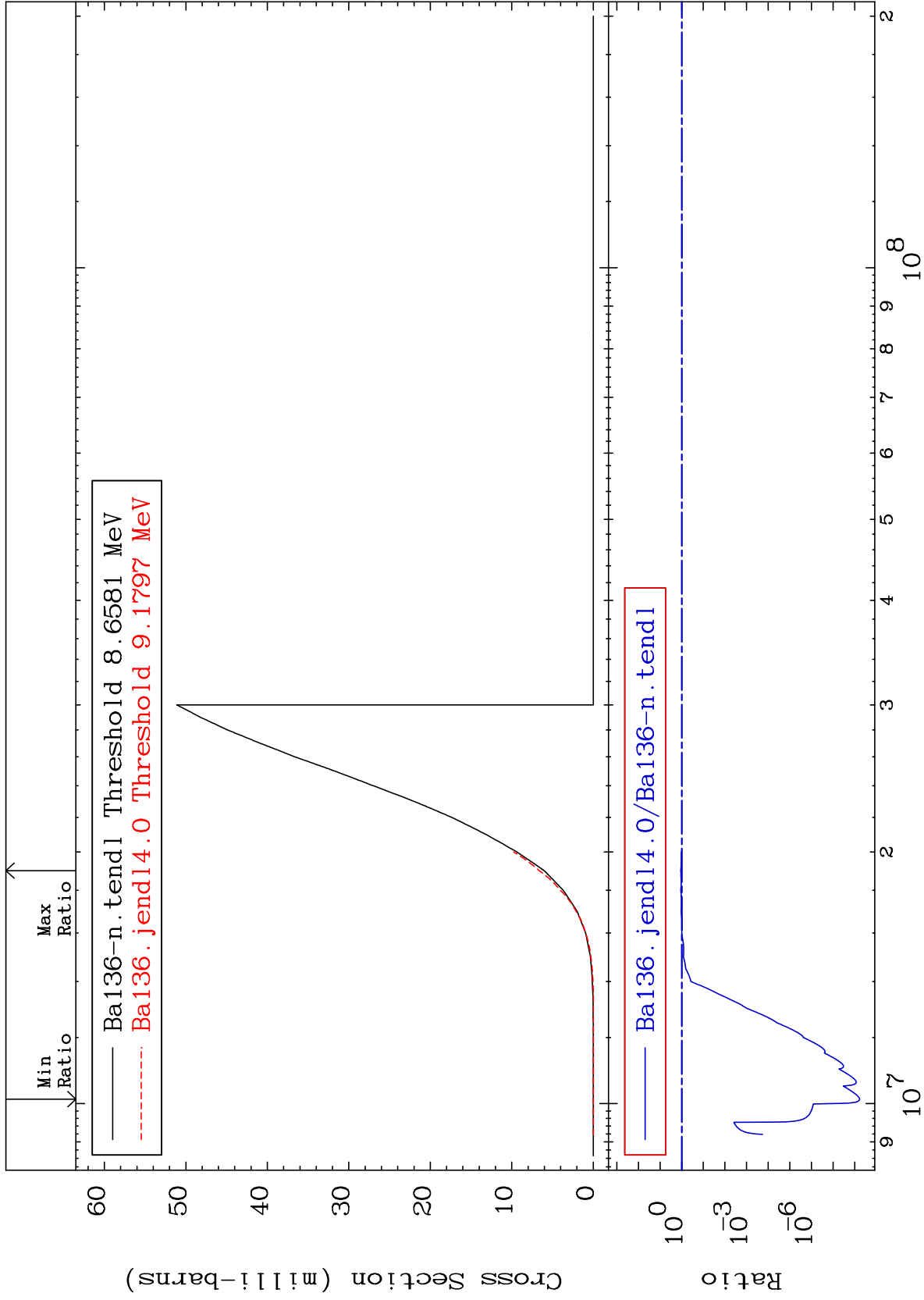
56-Ba-136
-91.90 To 9999. %



MAT 5643

(n, n') p
Cross Section

56-Ba-136
-100.0 To 10.13 %



7

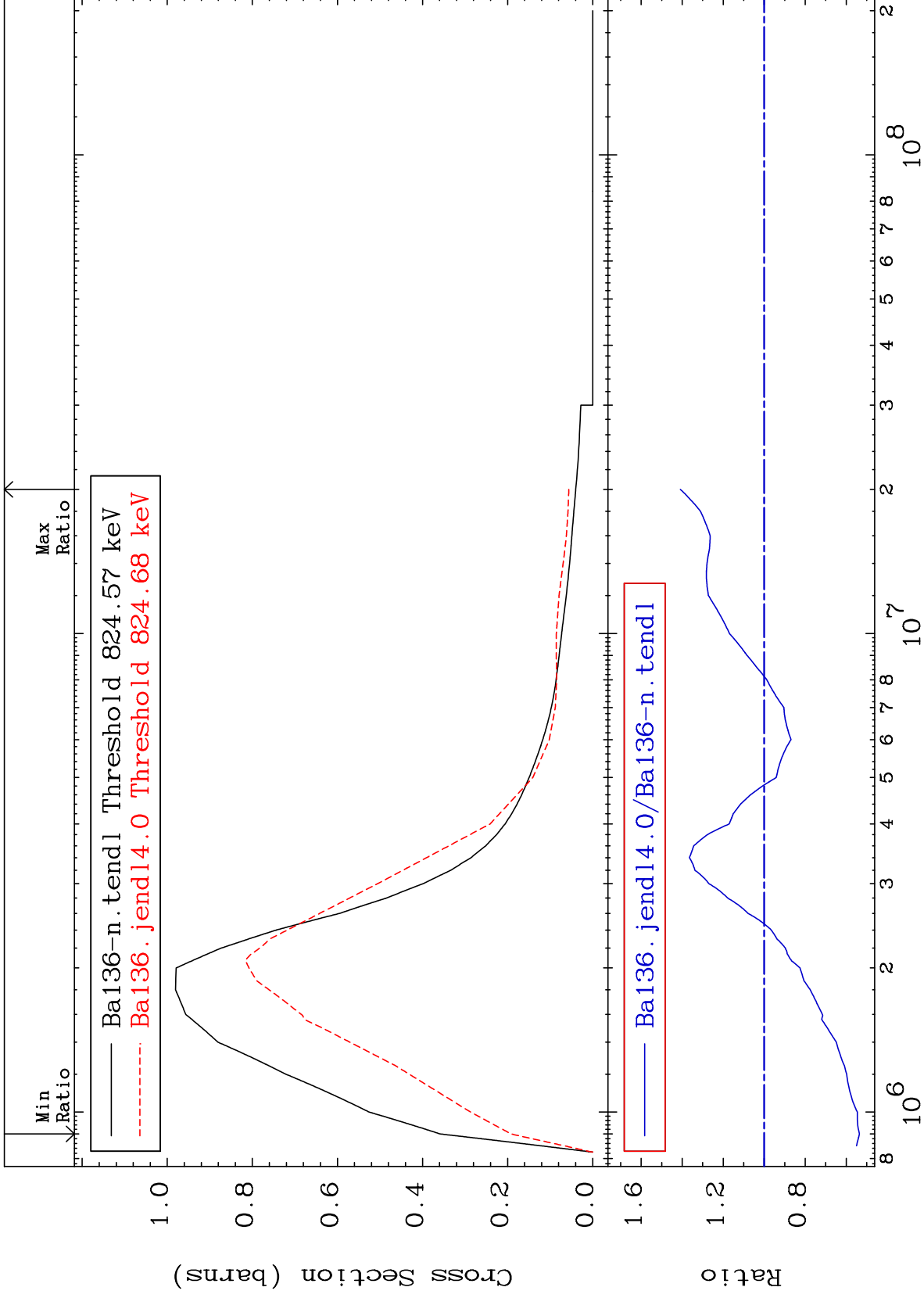
Incident Energy (eV)

56-Ba-136

MAT 5643

818.5 keV (n,n') Level
Cross Section

56-Ba-136
-46.45 To 40.89 %



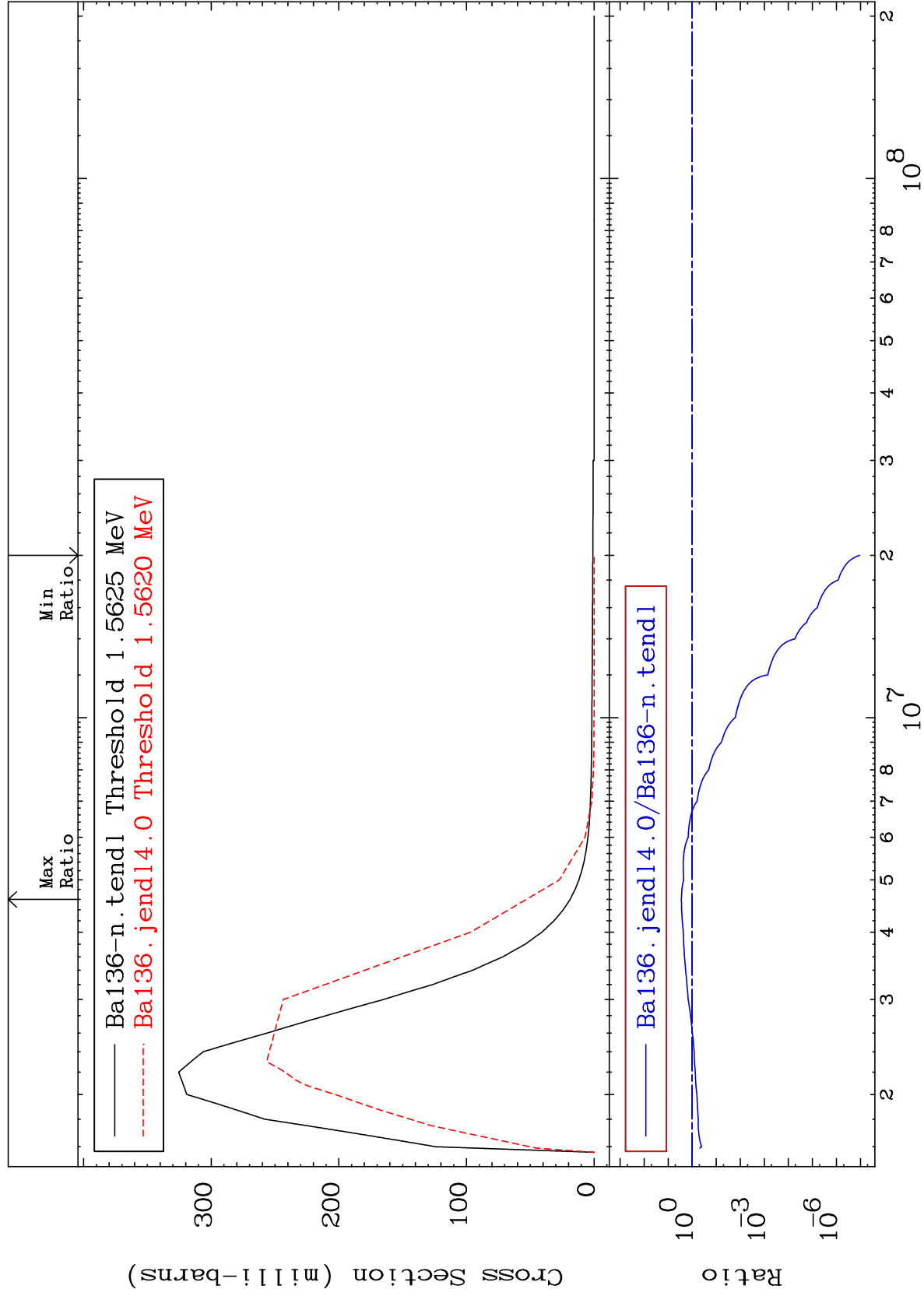
MAT 5643

1.551 MeV (n,n') Level

56-Ba-136

-100.0 To 182.2 %

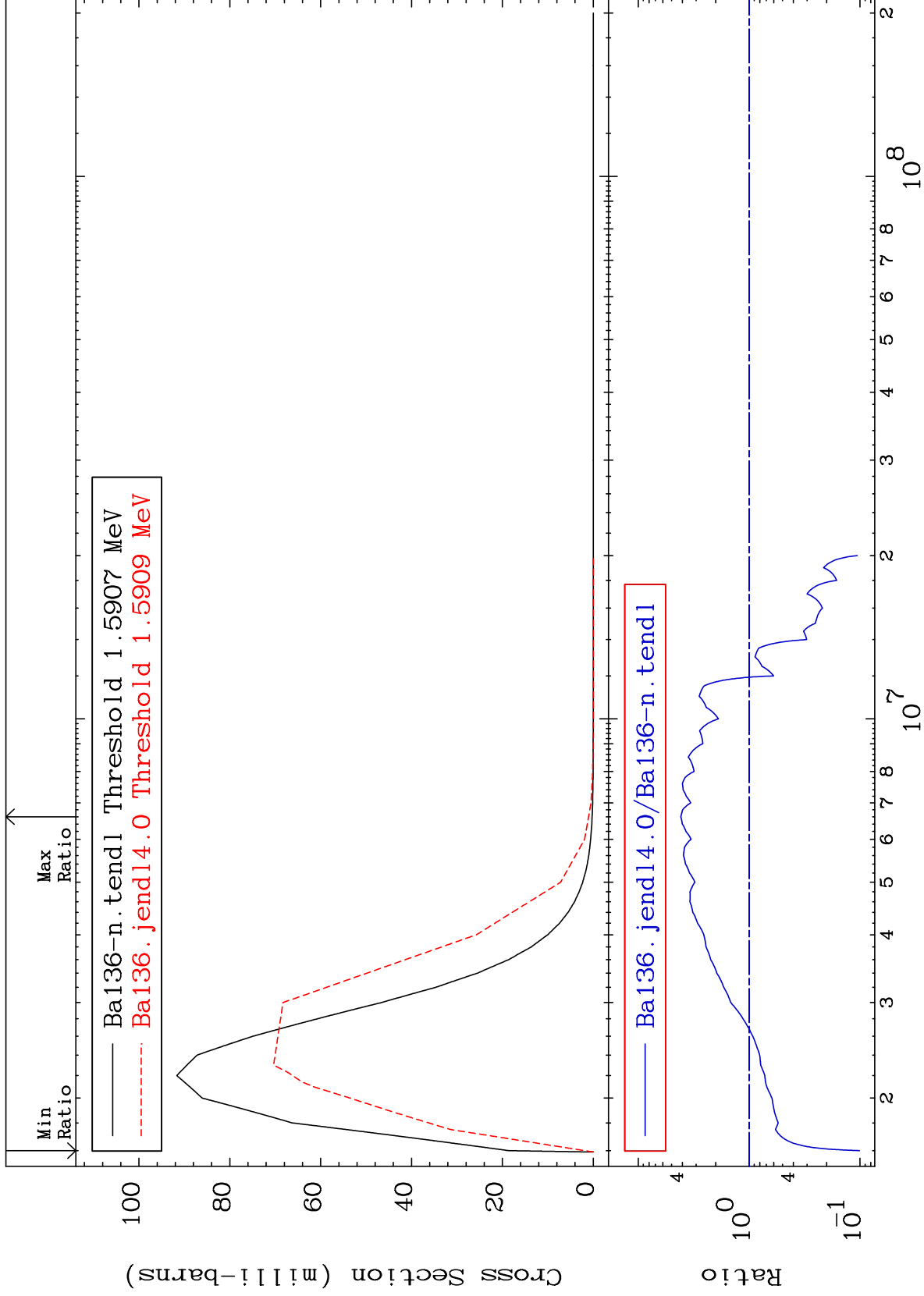
Cross Section



MAT 5643

1.579 MeV (n,n') Level
Cross Section

56-Ba-136
-89.90 To 313.4 %



10

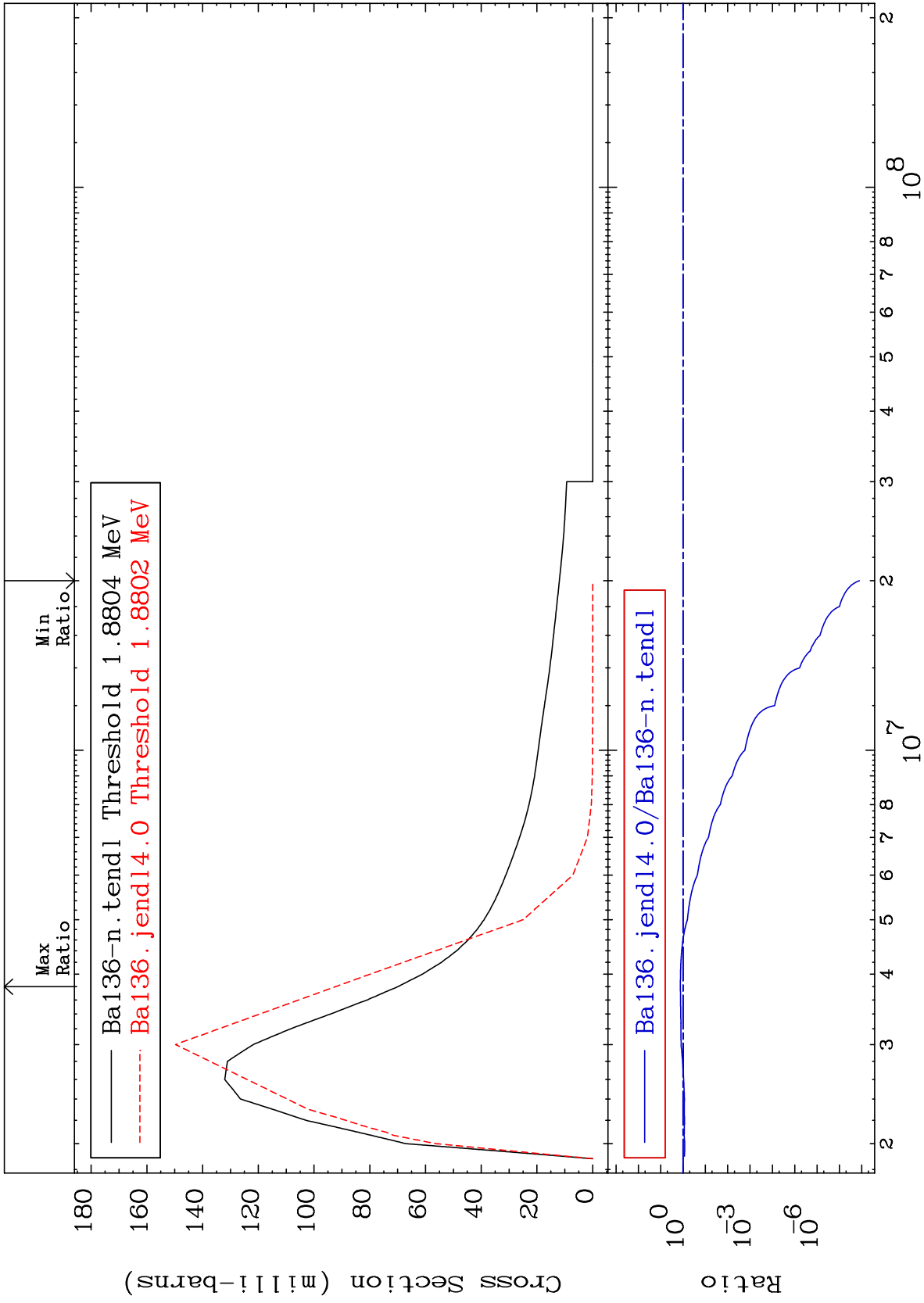
Incident Energy (eV)

56-Ba-136

MAT 5643

1.867 MeV (n,n') Level
Cross Section

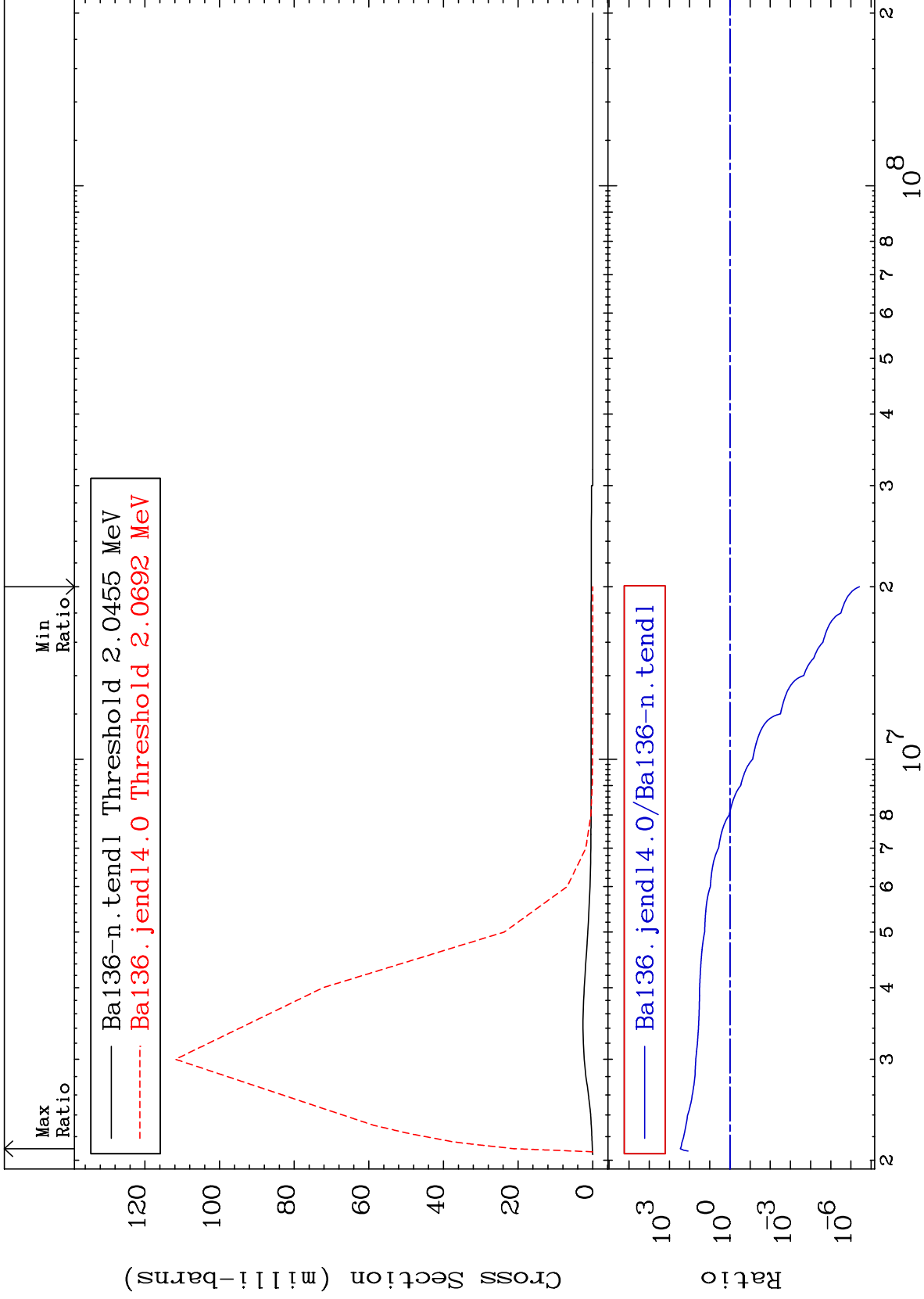
56-Ba-136
-100.0 To 32.04 %



MAT 5643

2.030 MeV (n,n') Level
Cross Section

56-Ba-136
-100.0 To 9999. %



12

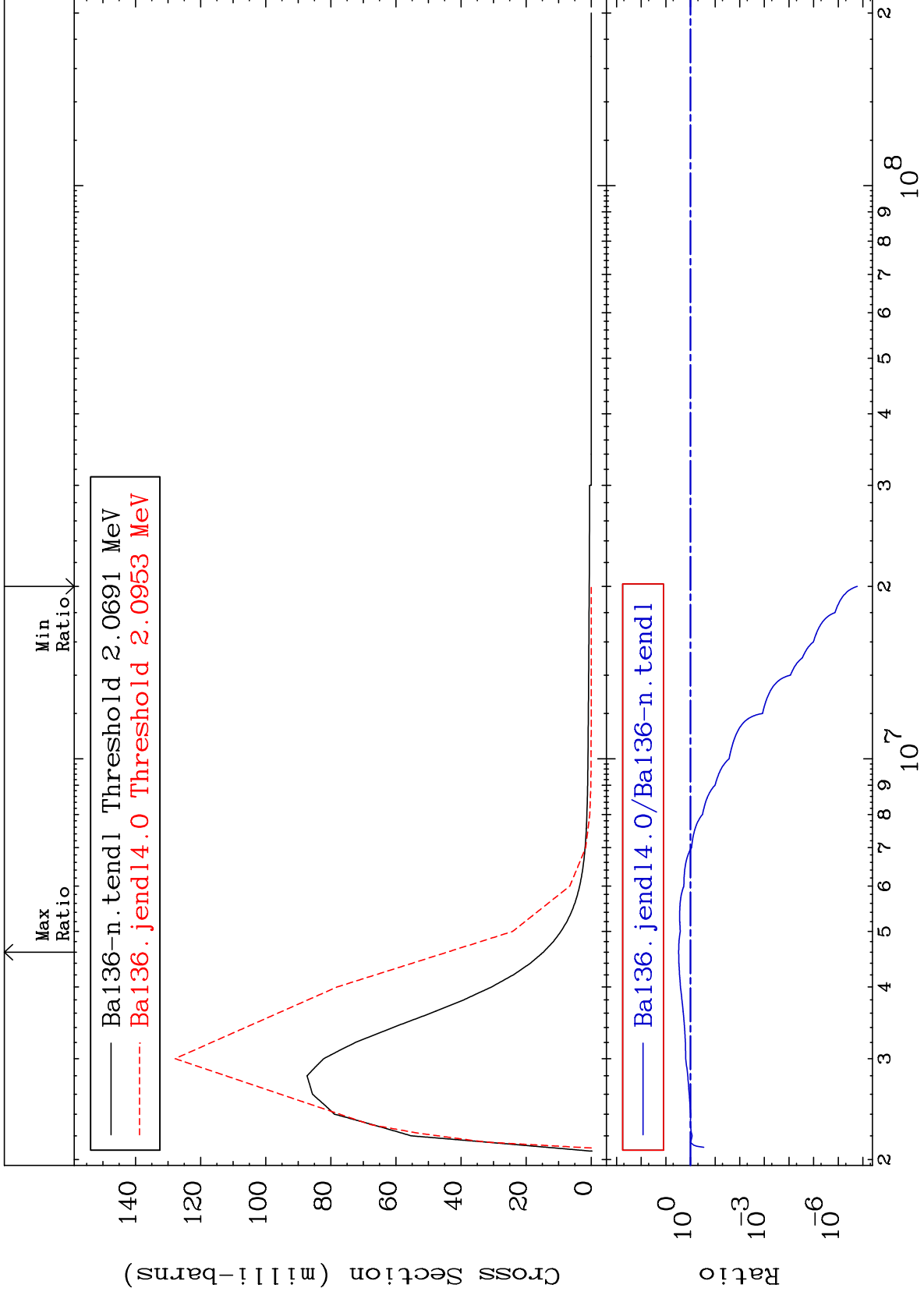
Incident Energy (eV)

56-Ba-136

MAT 5643

2.054 MeV (n,n') Level
Cross Section

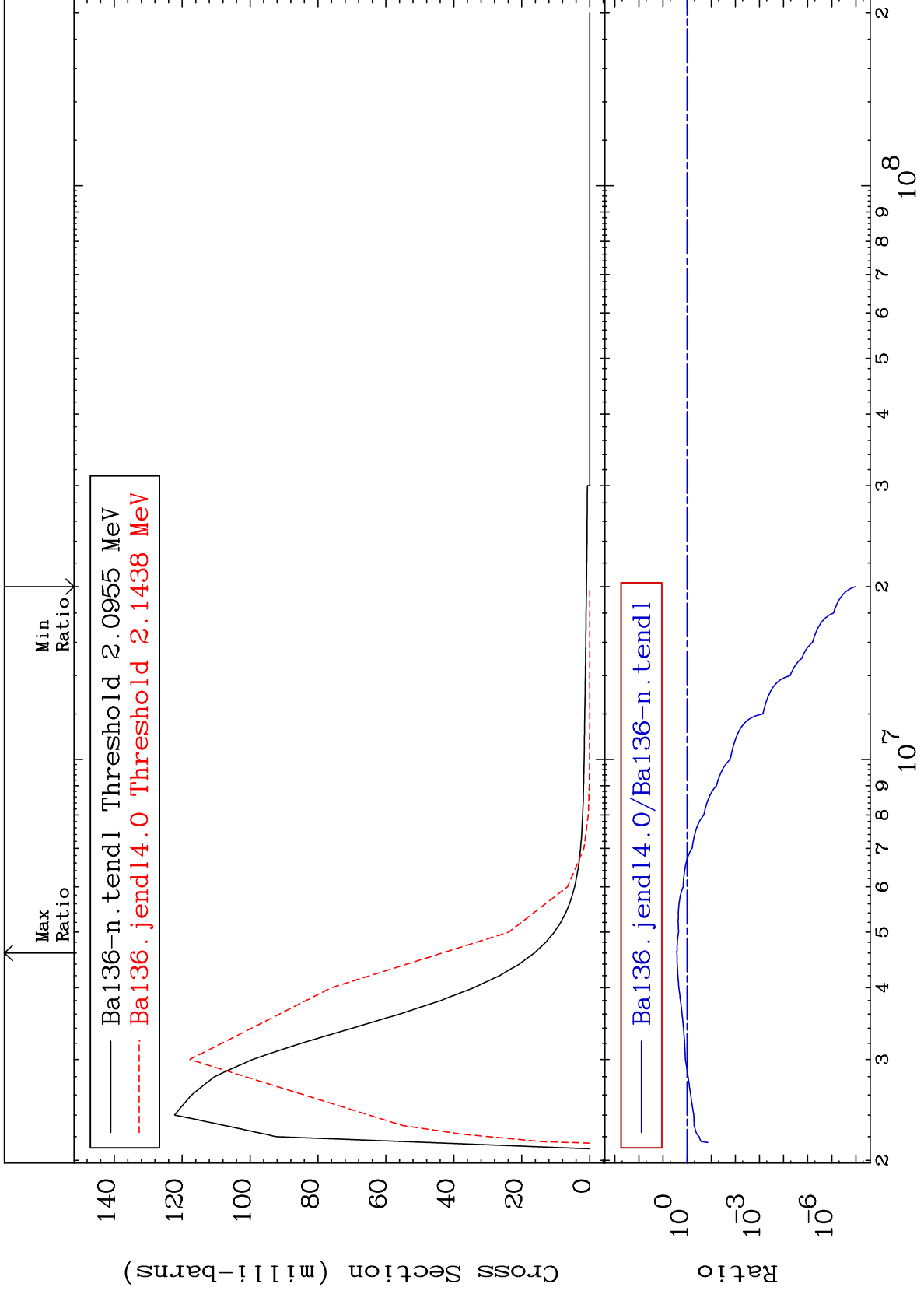
56-Ba-136
-100.0 To 201.6 %



MAT 5643

2.080 MeV (n,n') Level
Cross Section

56-Ba-136
-100.0 To 166.4 %



14

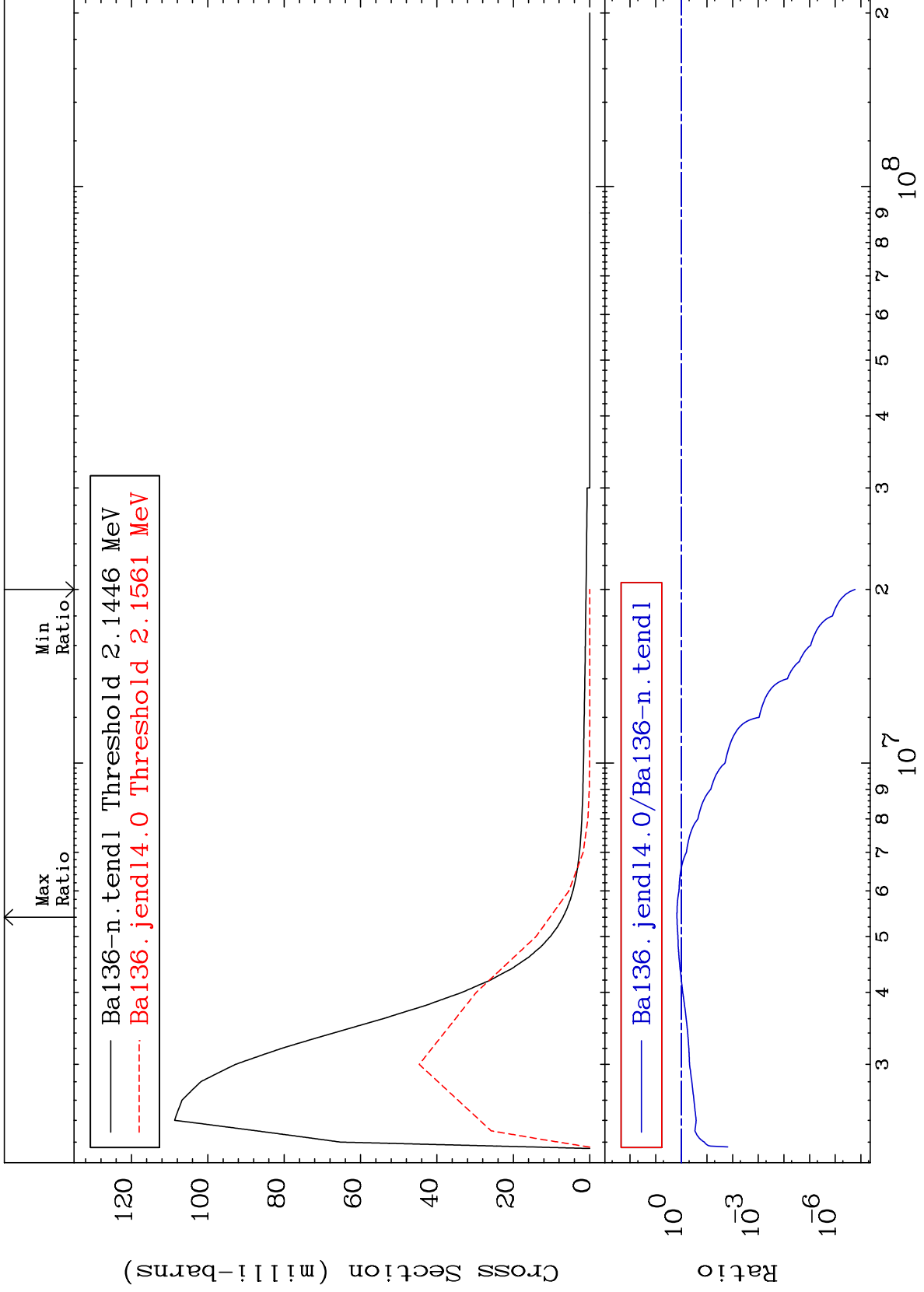
Incident Energy (eV)

56-Ba-136

MAT 5643

2.129 MeV (n,n') Level
Cross Section

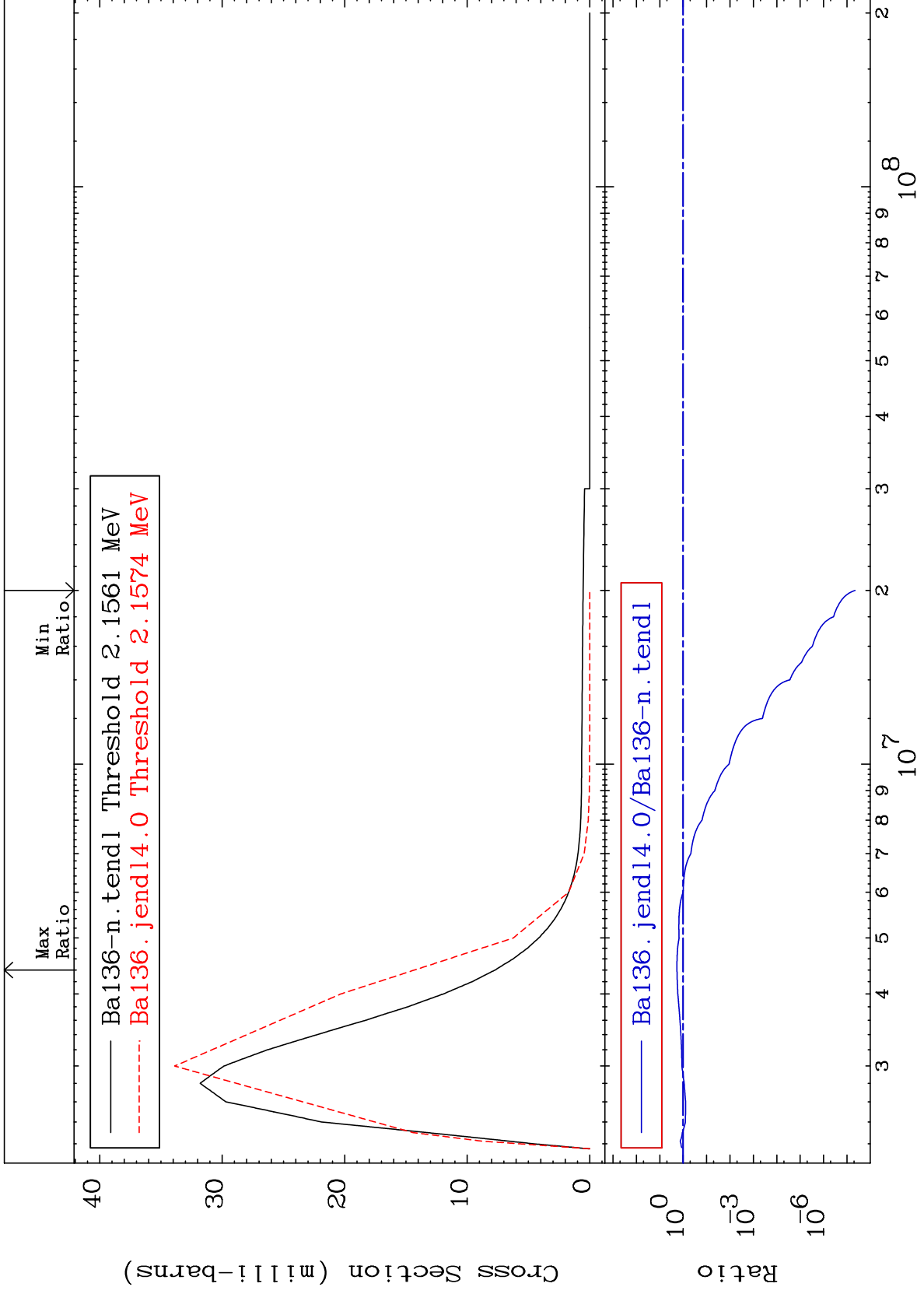
56-Ba-136
-100.0 To 48.99 %



MAT 5643

2.140 MeV (n,n') Level
Cross Section

56-Ba-136
-100.0 To 85.19 %



16

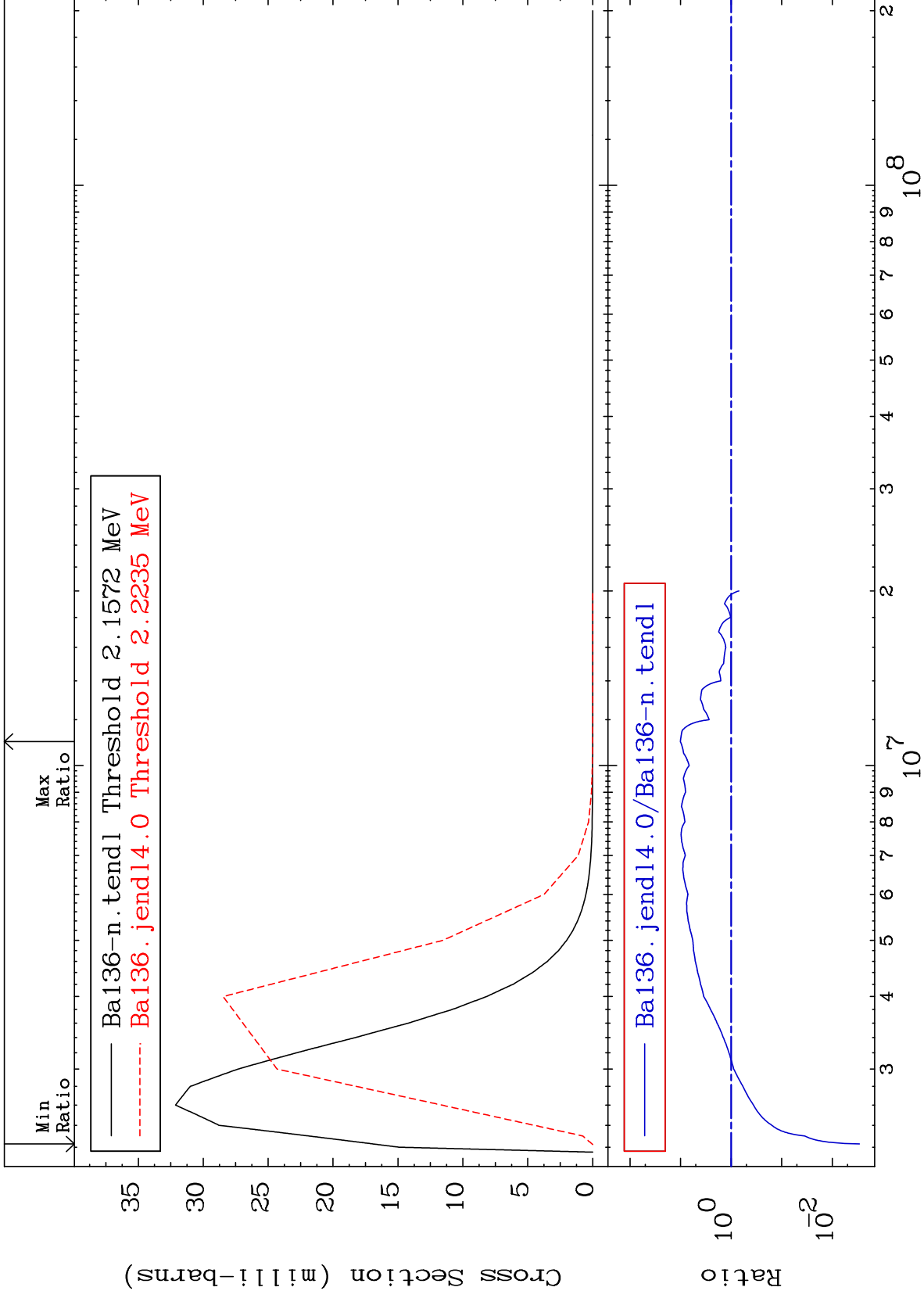
Incident Energy (eV)

56-Ba-136

MAT 5643

2.141 MeV (n,n') Level
Cross Section

56-Ba-136
-99.71 To 911.6 %



17

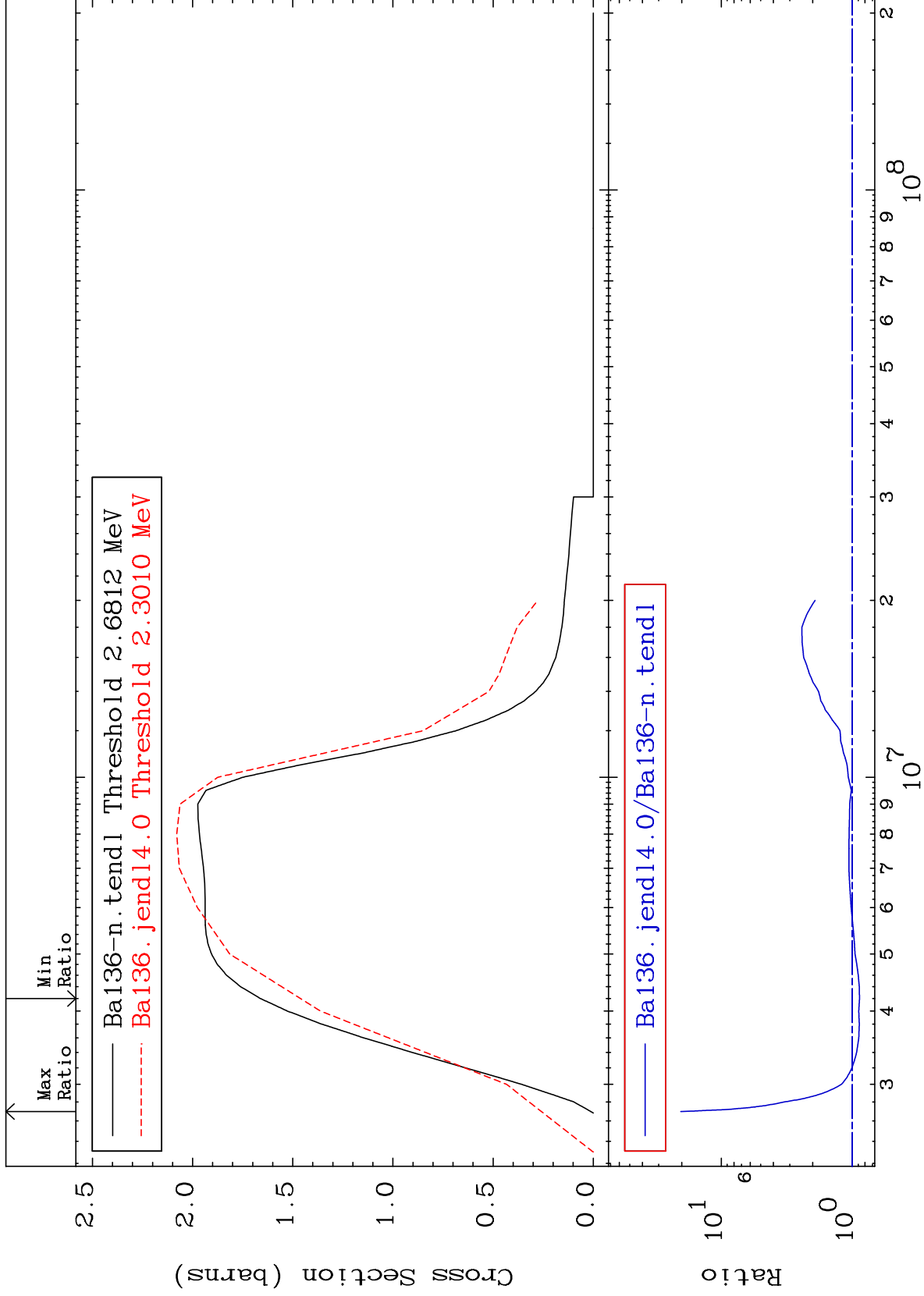
Incident Energy (eV)

56-Ba-136

MAT 5643

(n, n') Continuum
Cross Section

56-Ba-136
-12.05 To 1937. %



18

56-Ba-136

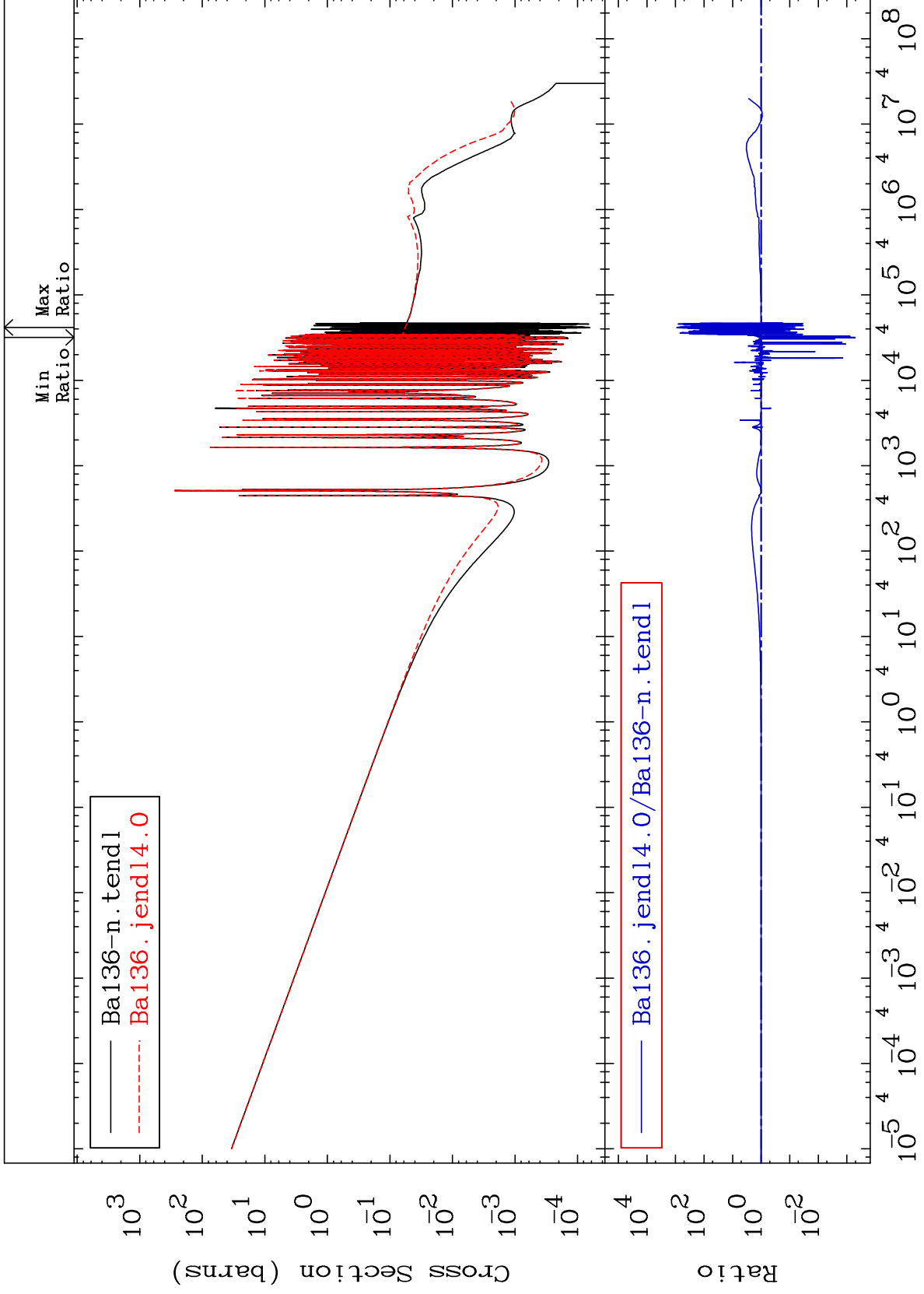
MAT 5643

(n, γ)

56-Ba-136

Cross Section

-99.95 To 9999. %

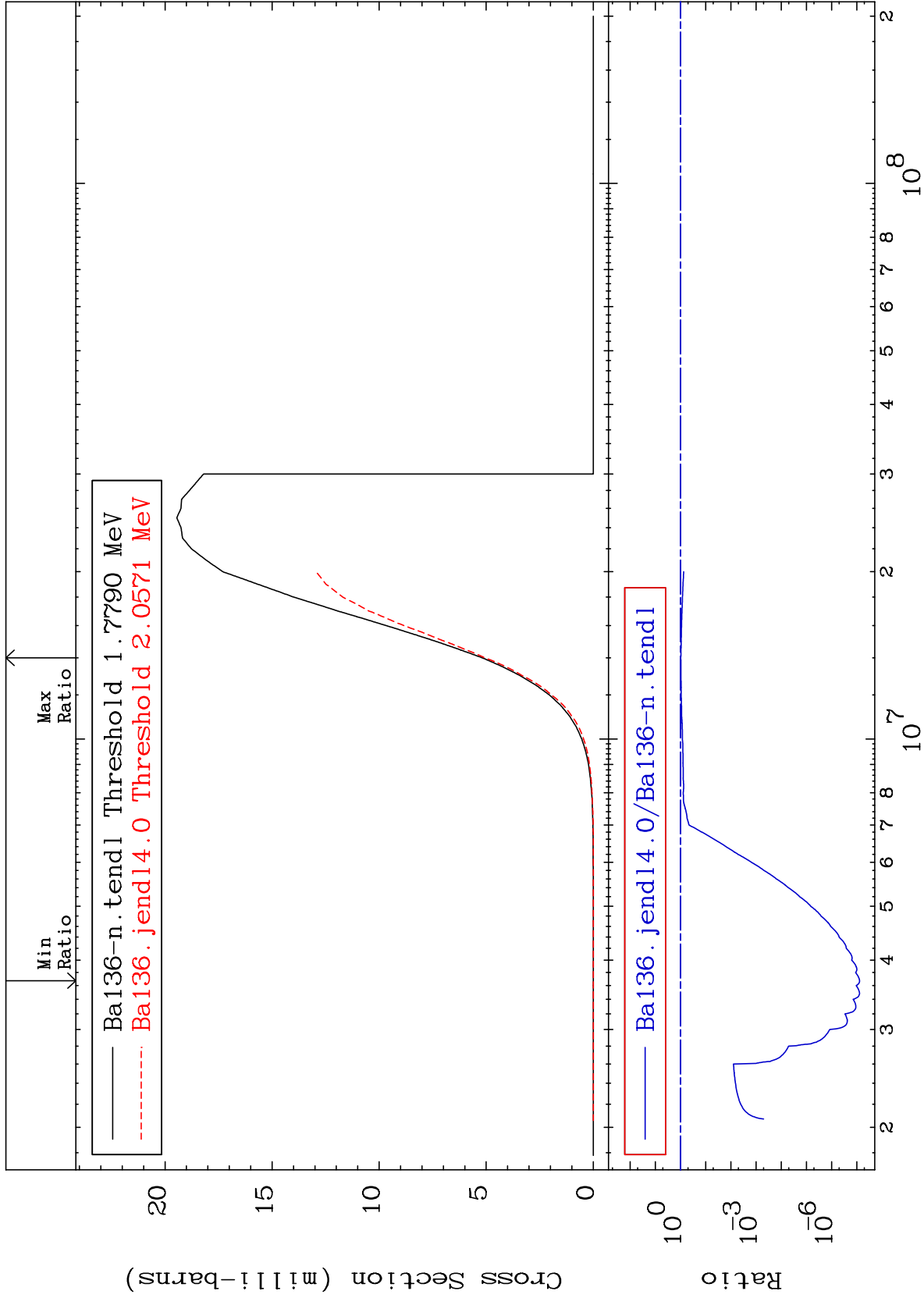


MAT 5643

56-Ba-136

(n,p)
Cross Section

-100.0 To -2.388%



20

Incident Energy (eV)

56-Ba-136

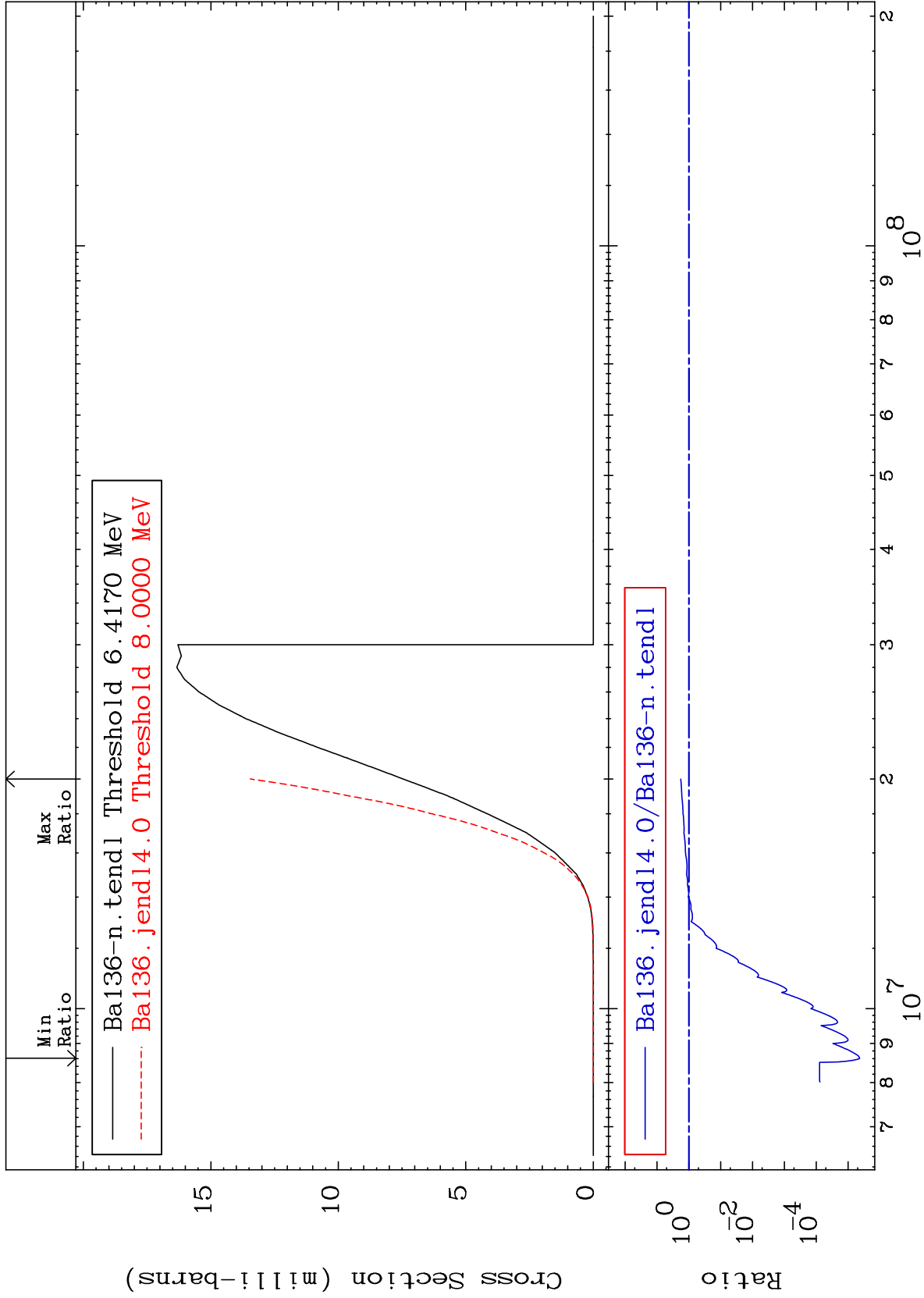
MAT 5643

(n, d)

56-Ba-136

Cross Section

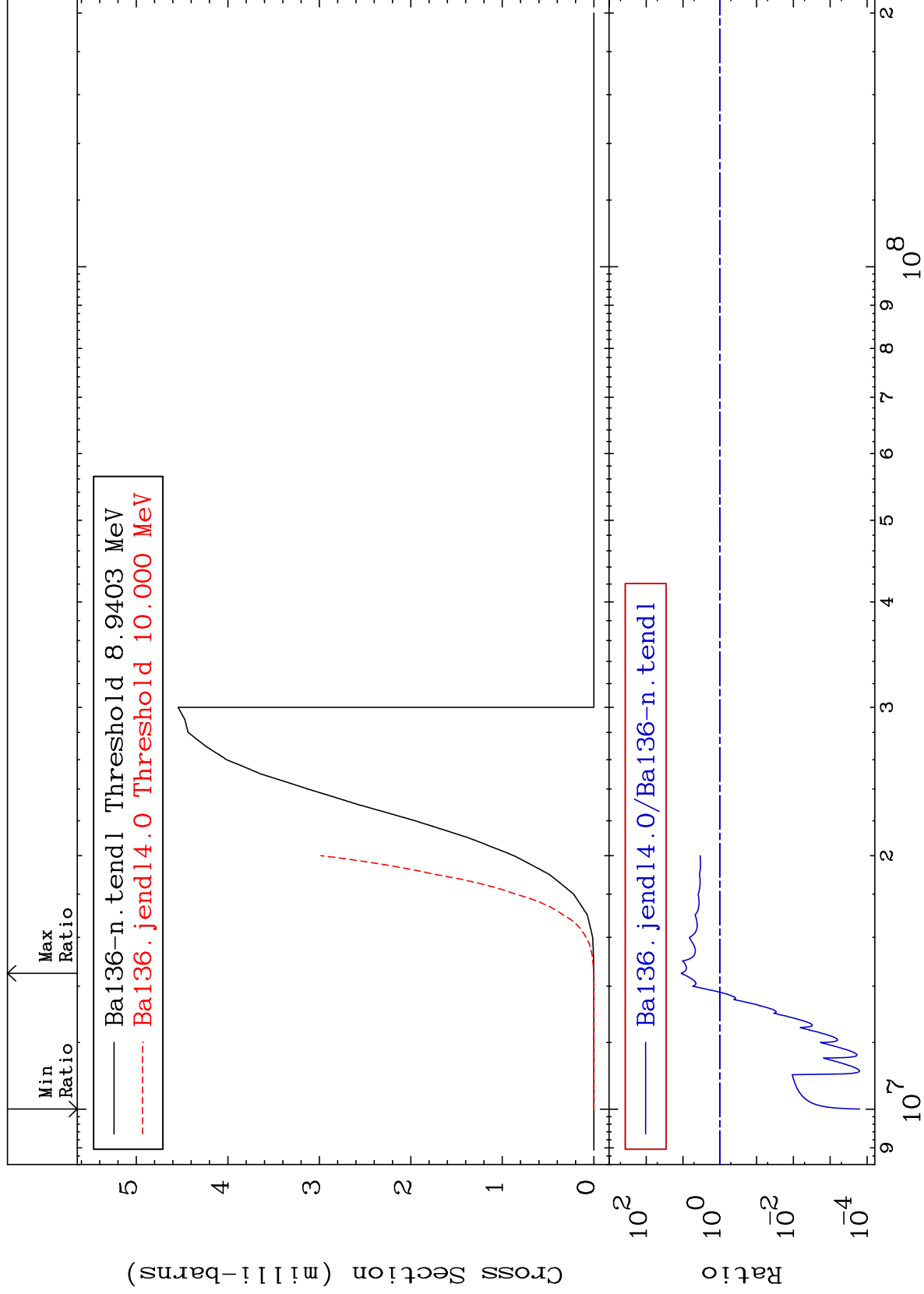
-100.0 To 80.29 %



MAT 5643

(n, t)
Cross Section

56-Ba-136
-99.98 To 1018. %



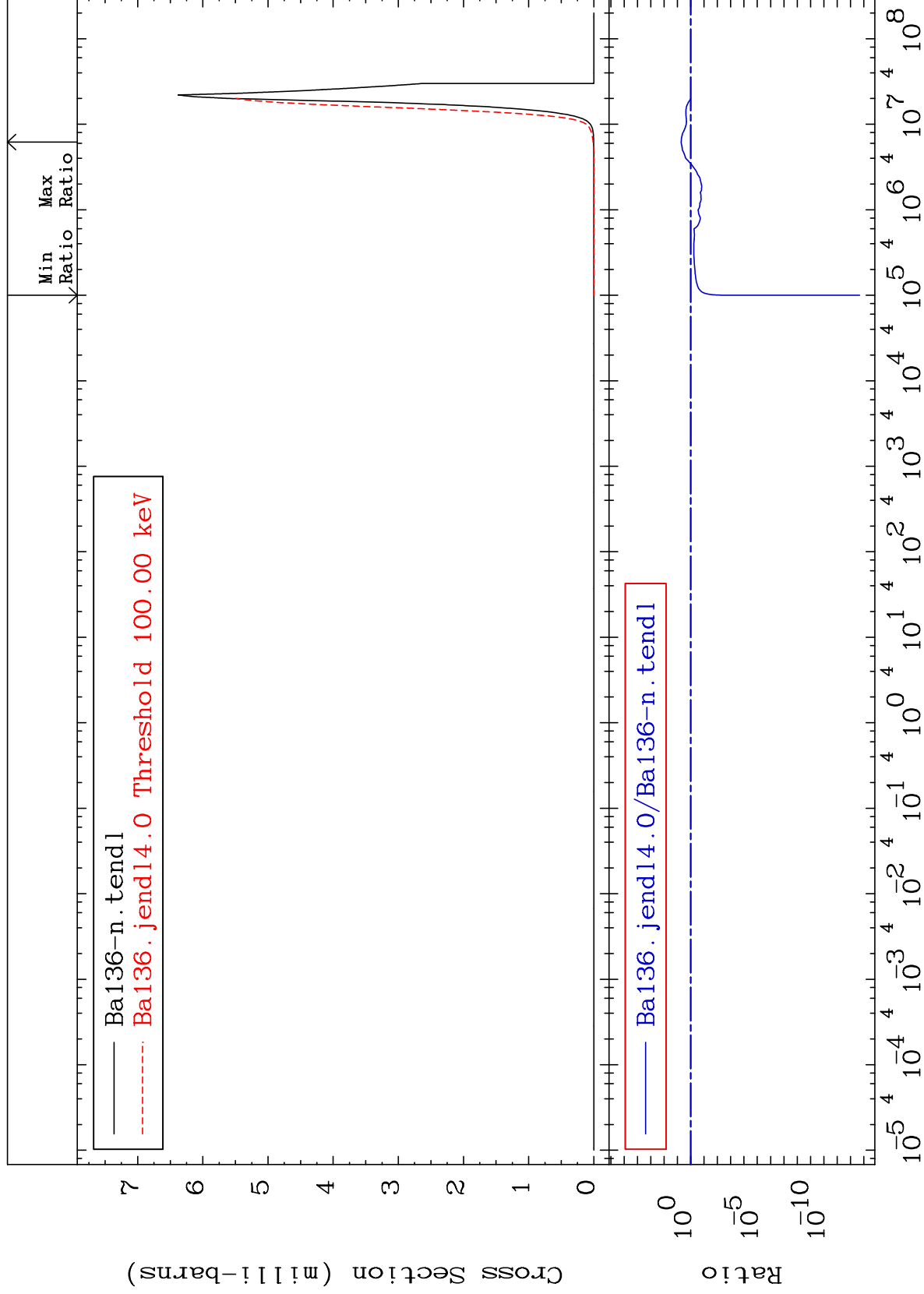
MAT 5643

(n, α)

Cross Section

56-Ba-136

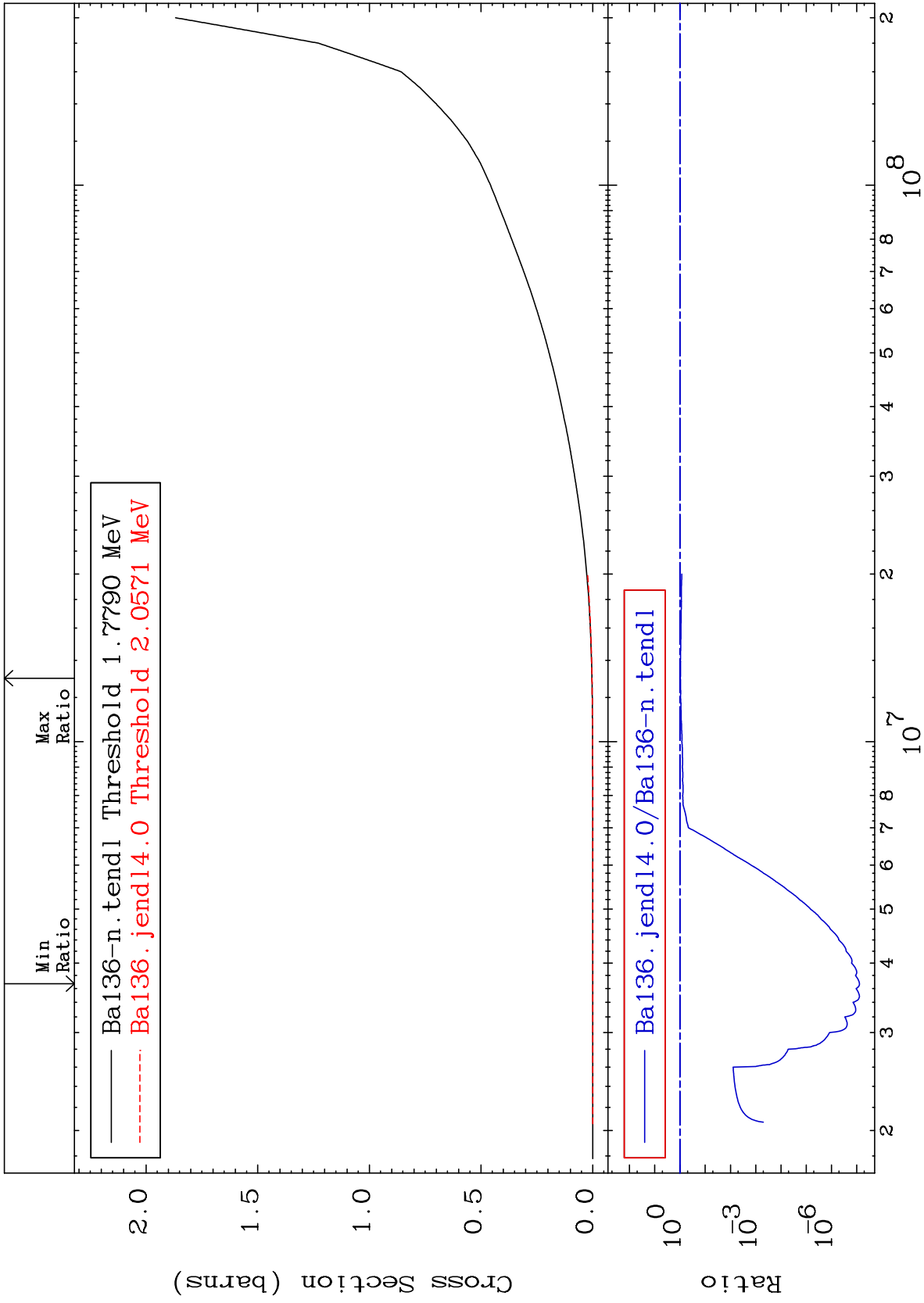
-100.0 To 418.5 %



MAT 5643

Hydrogen Production
Cross Section

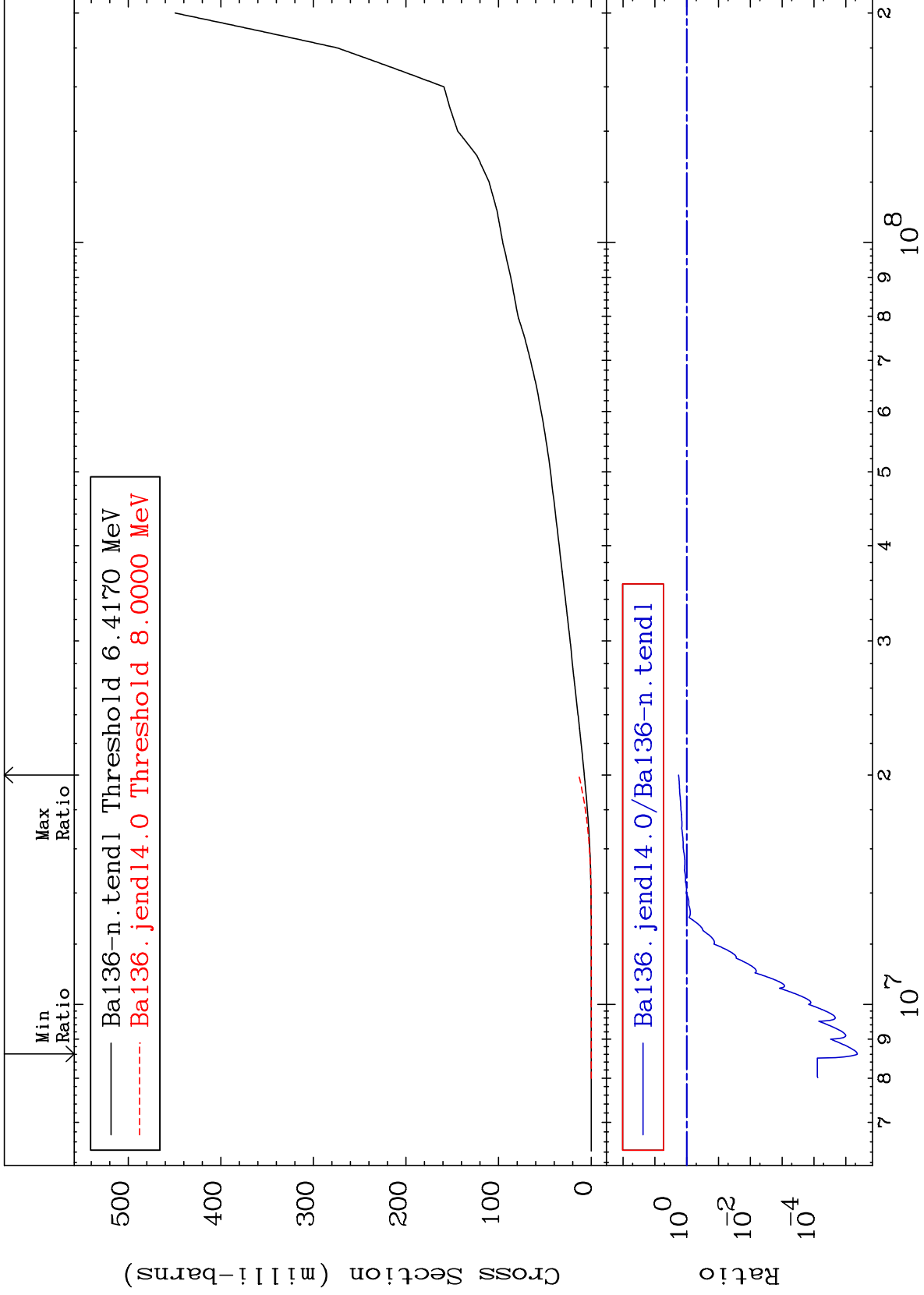
56-Ba-136
-100.0 To -3.335%



MAT 5643

Deuterium Production
Cross Section

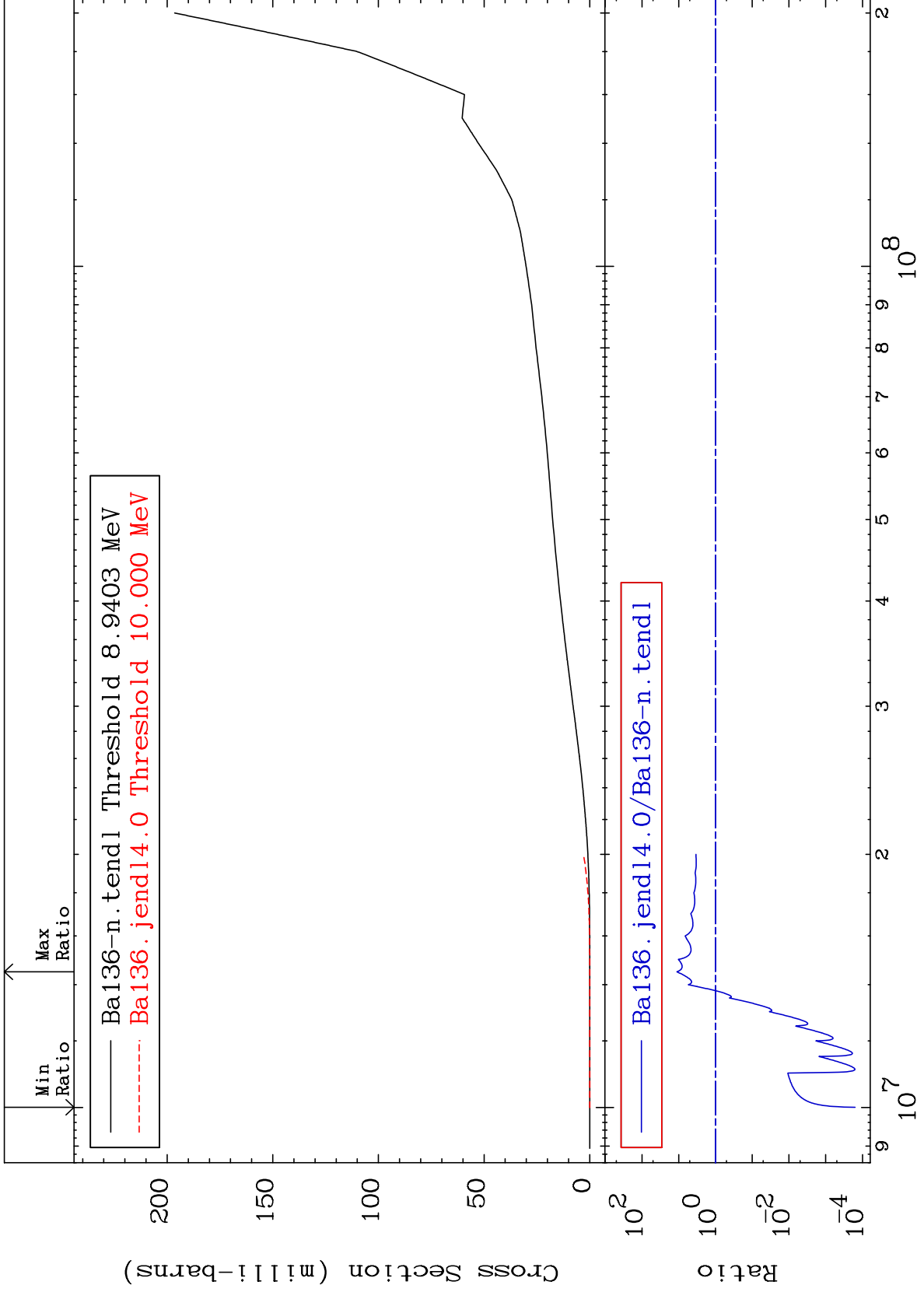
56-Ba-136
-100.0 To 80.27 %



MAT 5643

Tritium Production
Cross Section

56-Ba-136
-99.98 To 1018. %



26

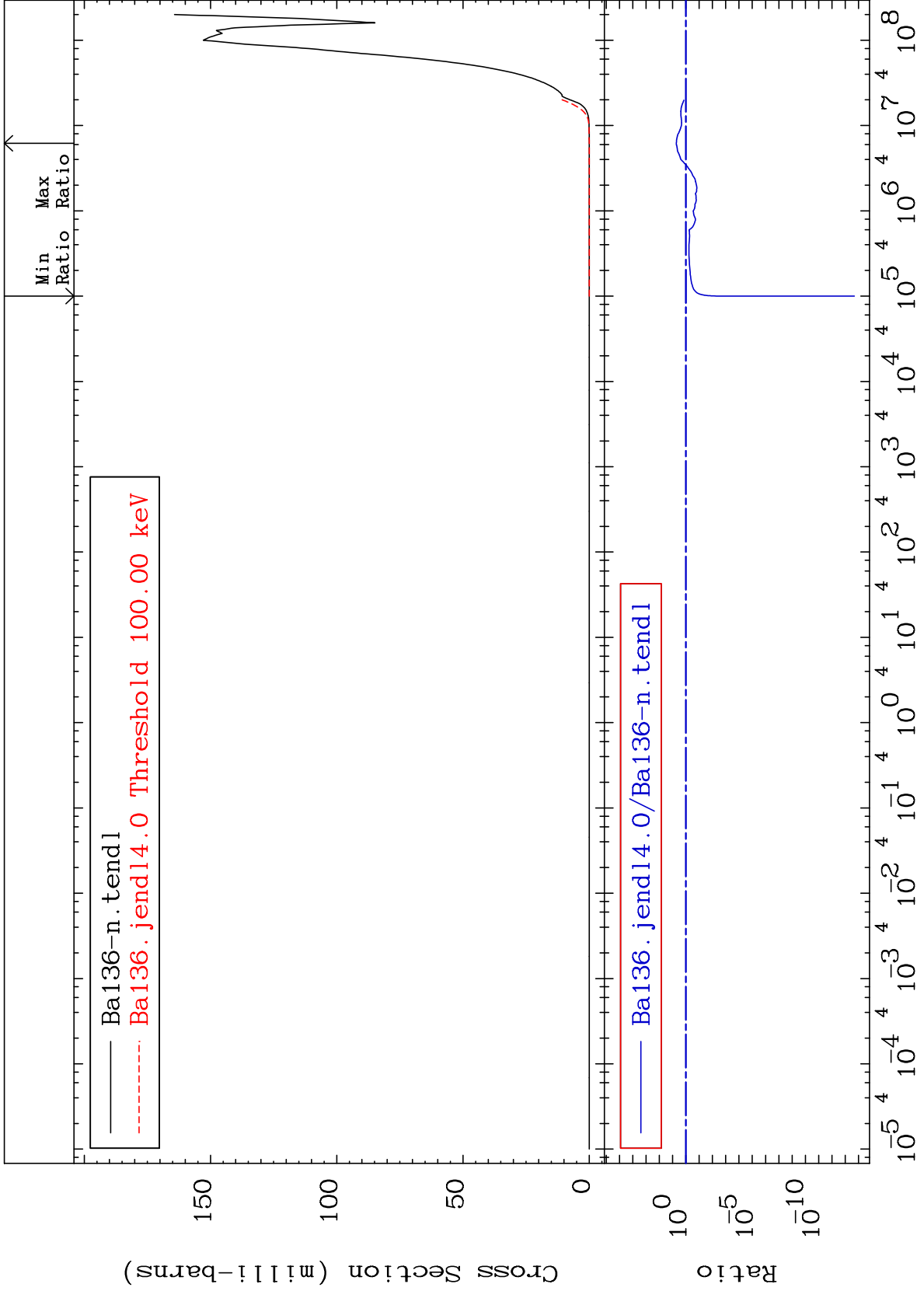
Incident Energy (eV)

56-Ba-136

MAT 5643

He-4 Production
Cross Section

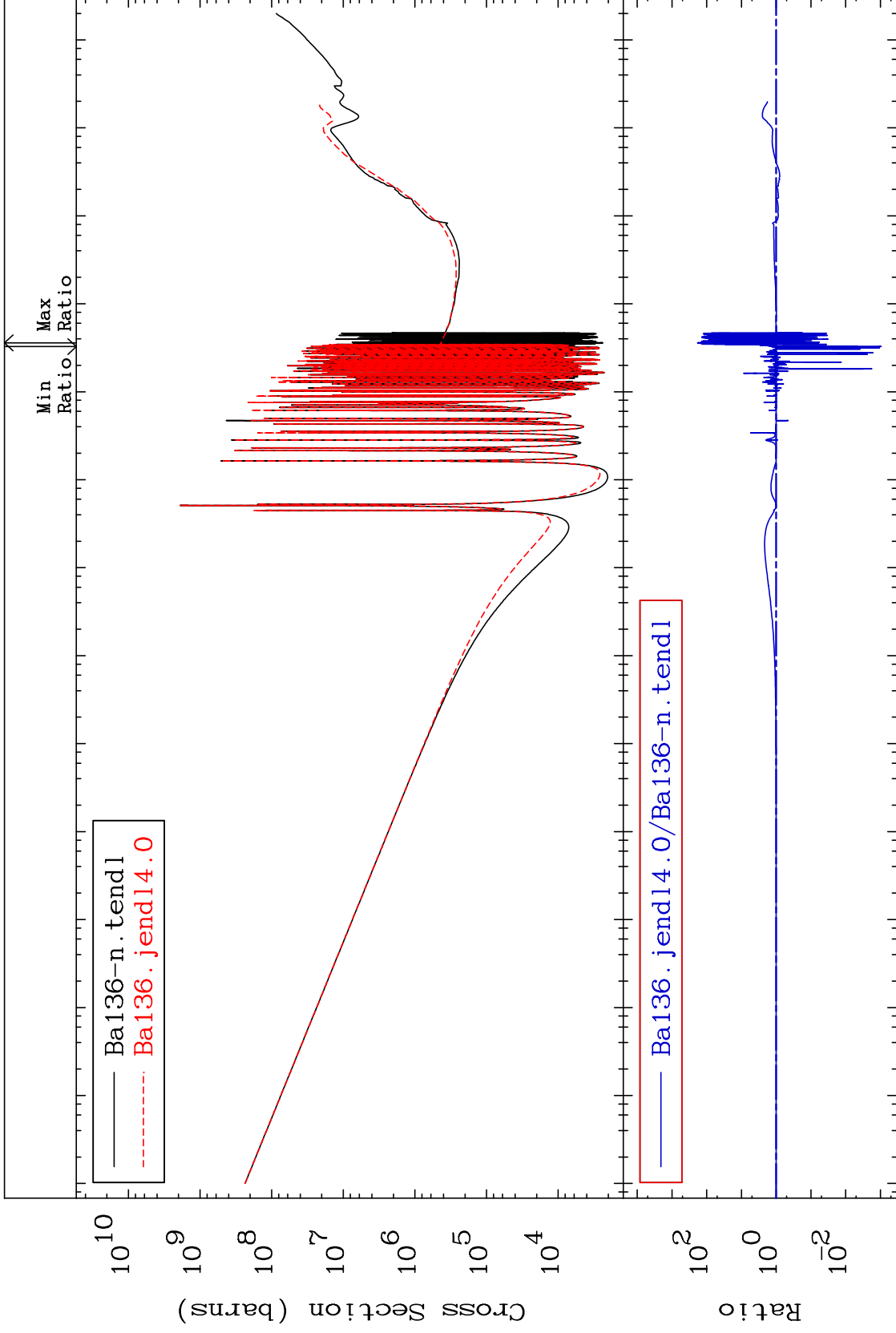
56-Ba-136
-100.0 To 418.5 %



MAT 5643

Kerma total (eV-barns)
Cross Section

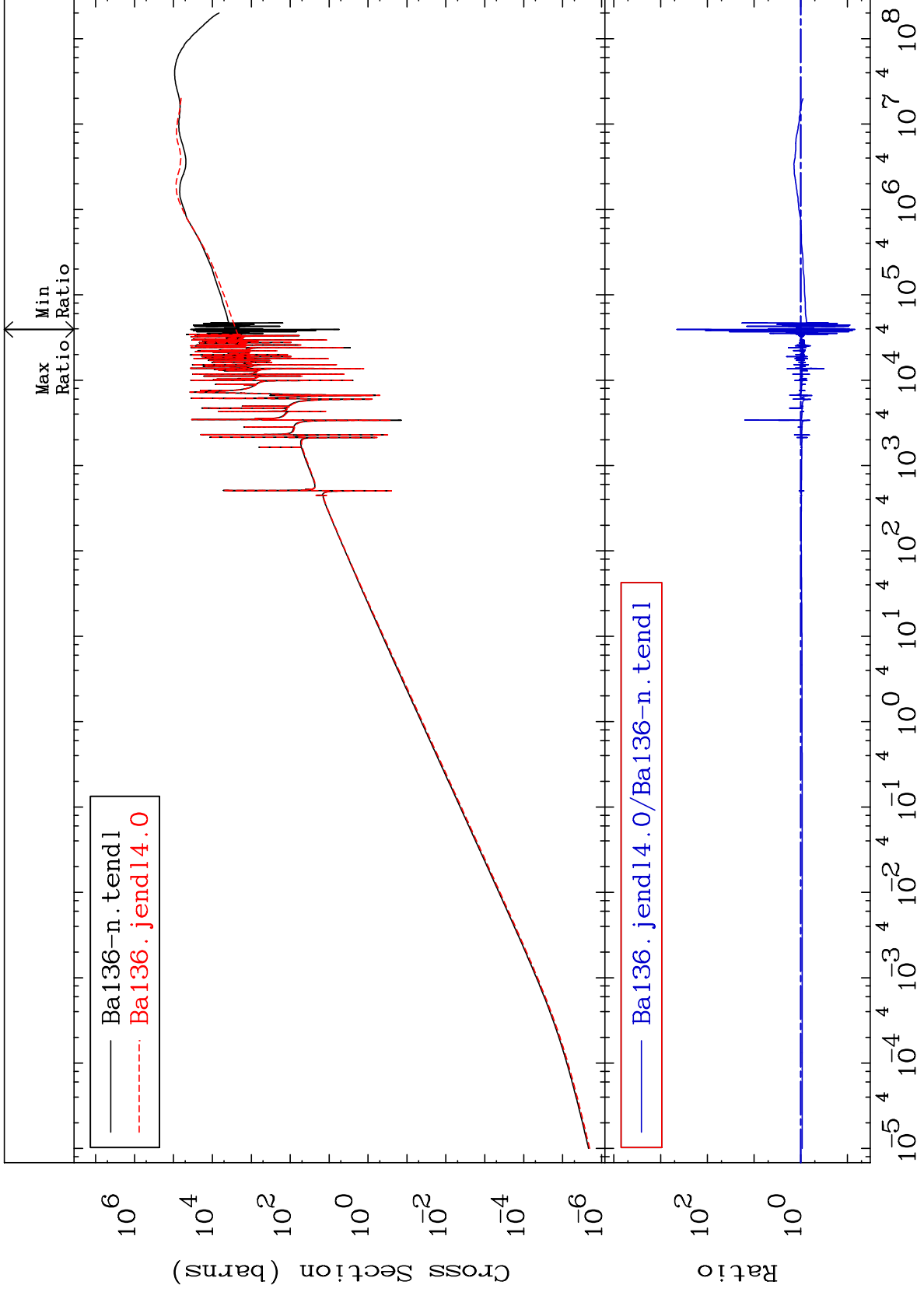
56-Ba-136
-99.90 To 9999. %



MAT 5643

Kerma elastic
Cross Section

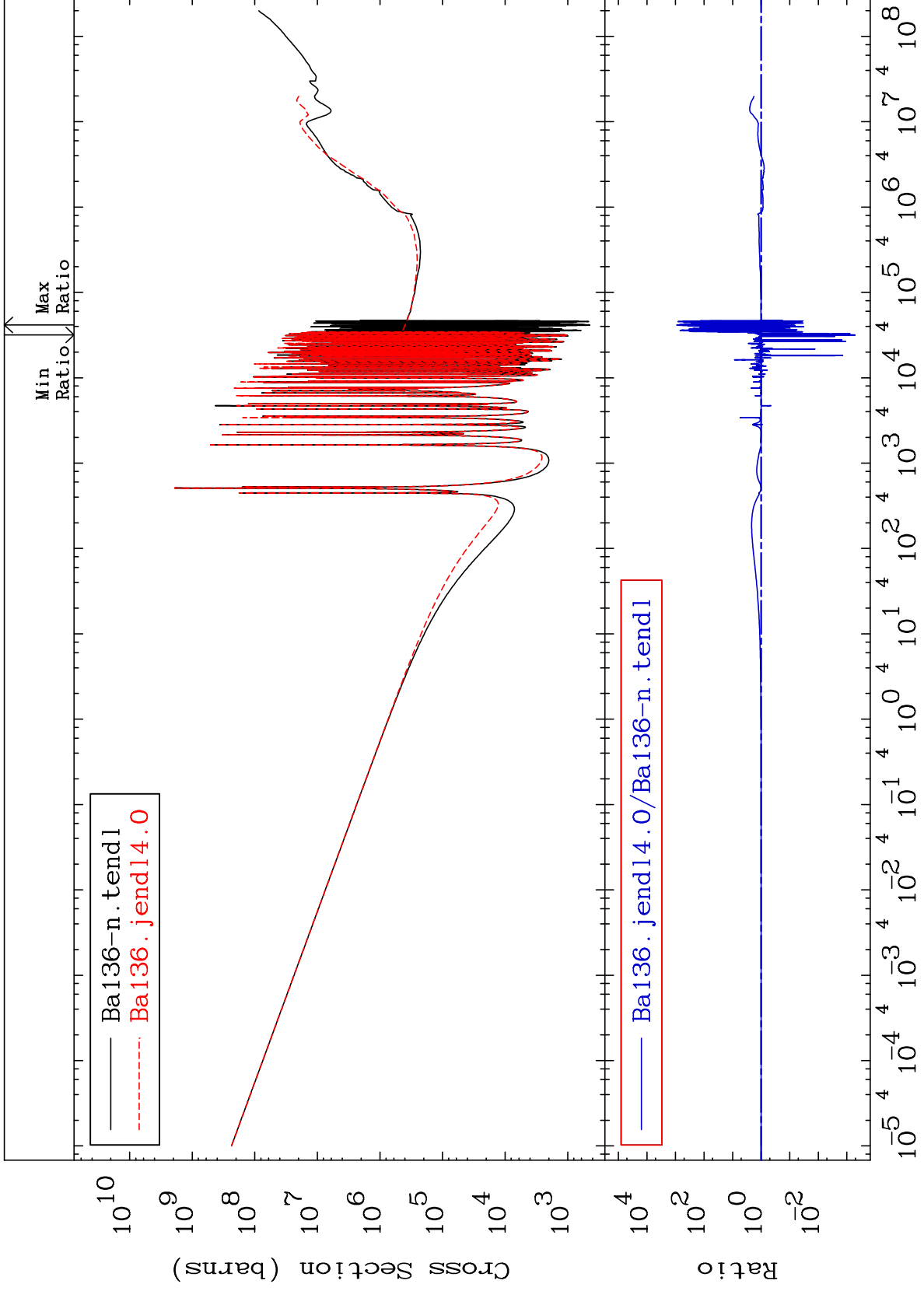
56-Ba-136
-93.12 To 9999. %

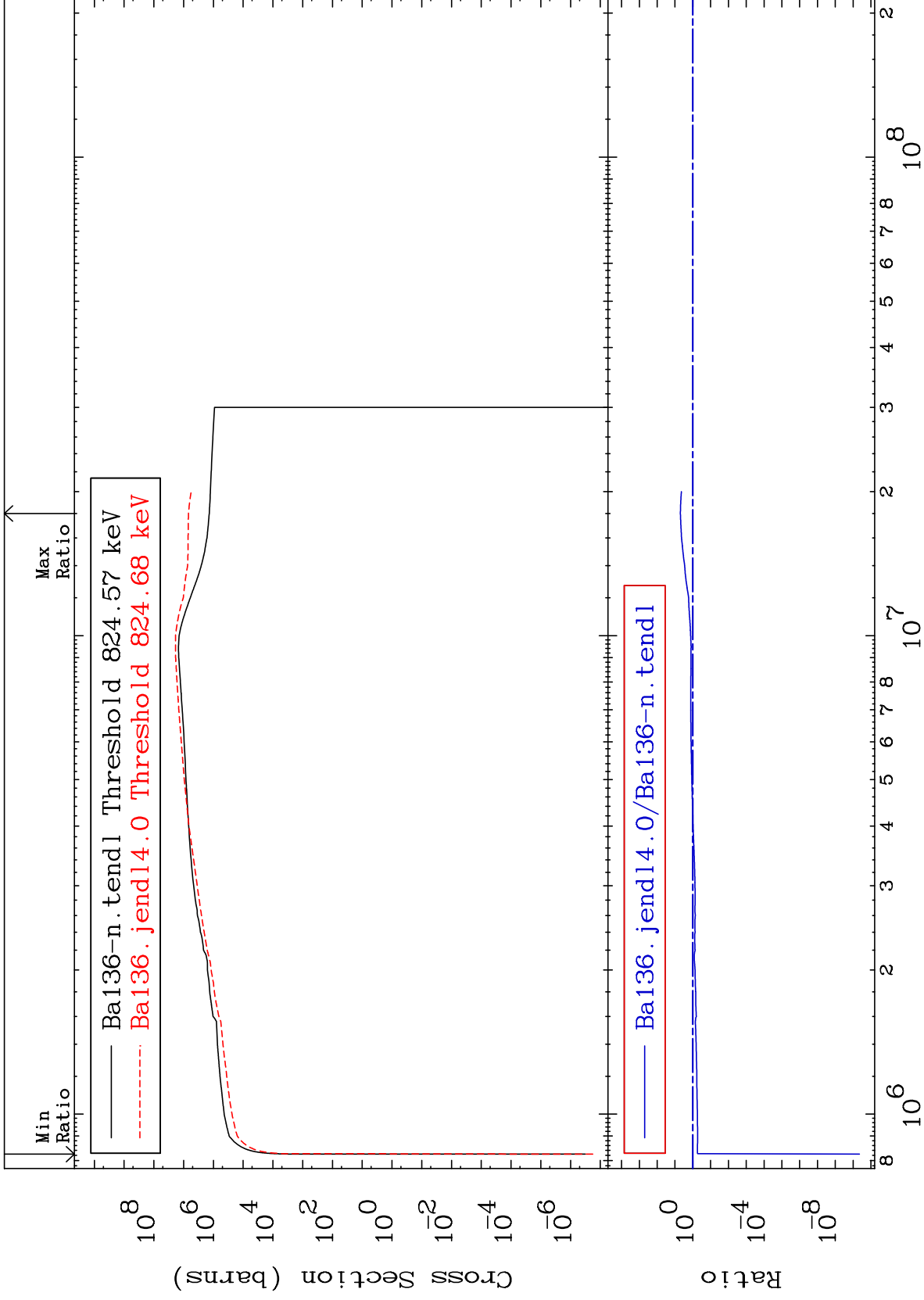


MAT 5643

Kerma non-elastic (all but mt2)
Cross Section

56-Ba-136
-99.95 To 9999. %

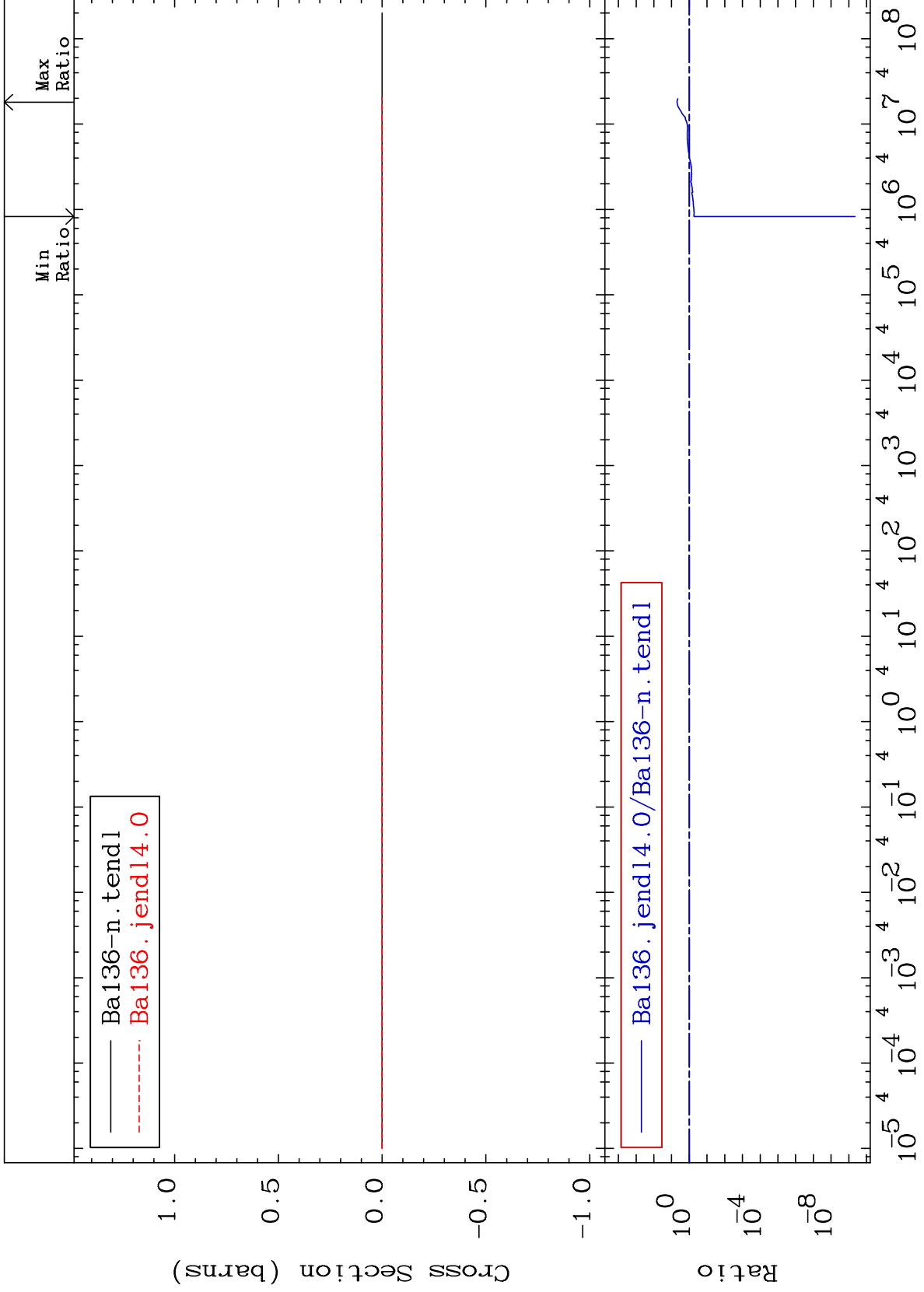




MAT 5643

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

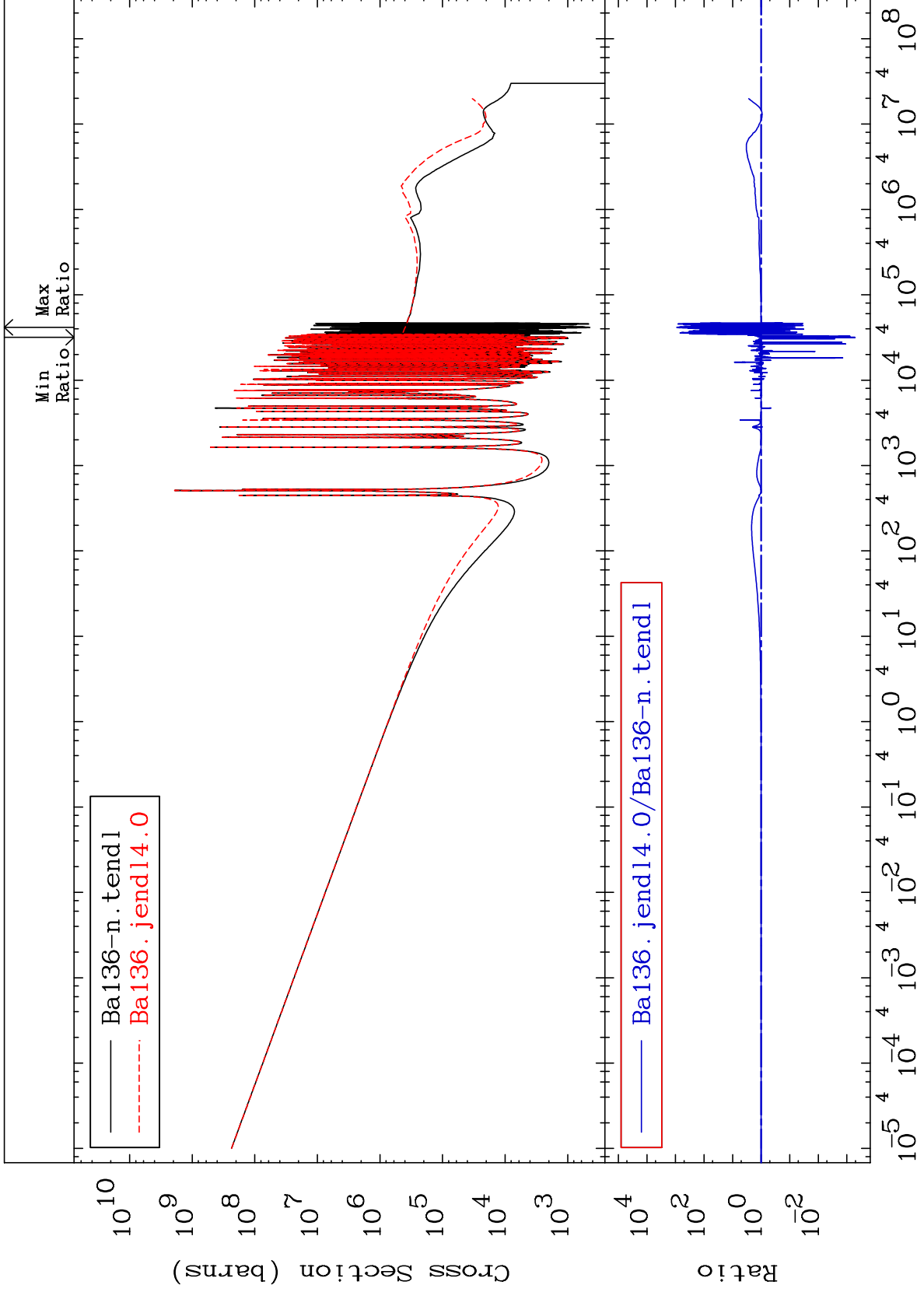
56-Ba-136
-100.0 To 399.9 %



MAT 5643

Kerma capture (mt102)
Cross Section

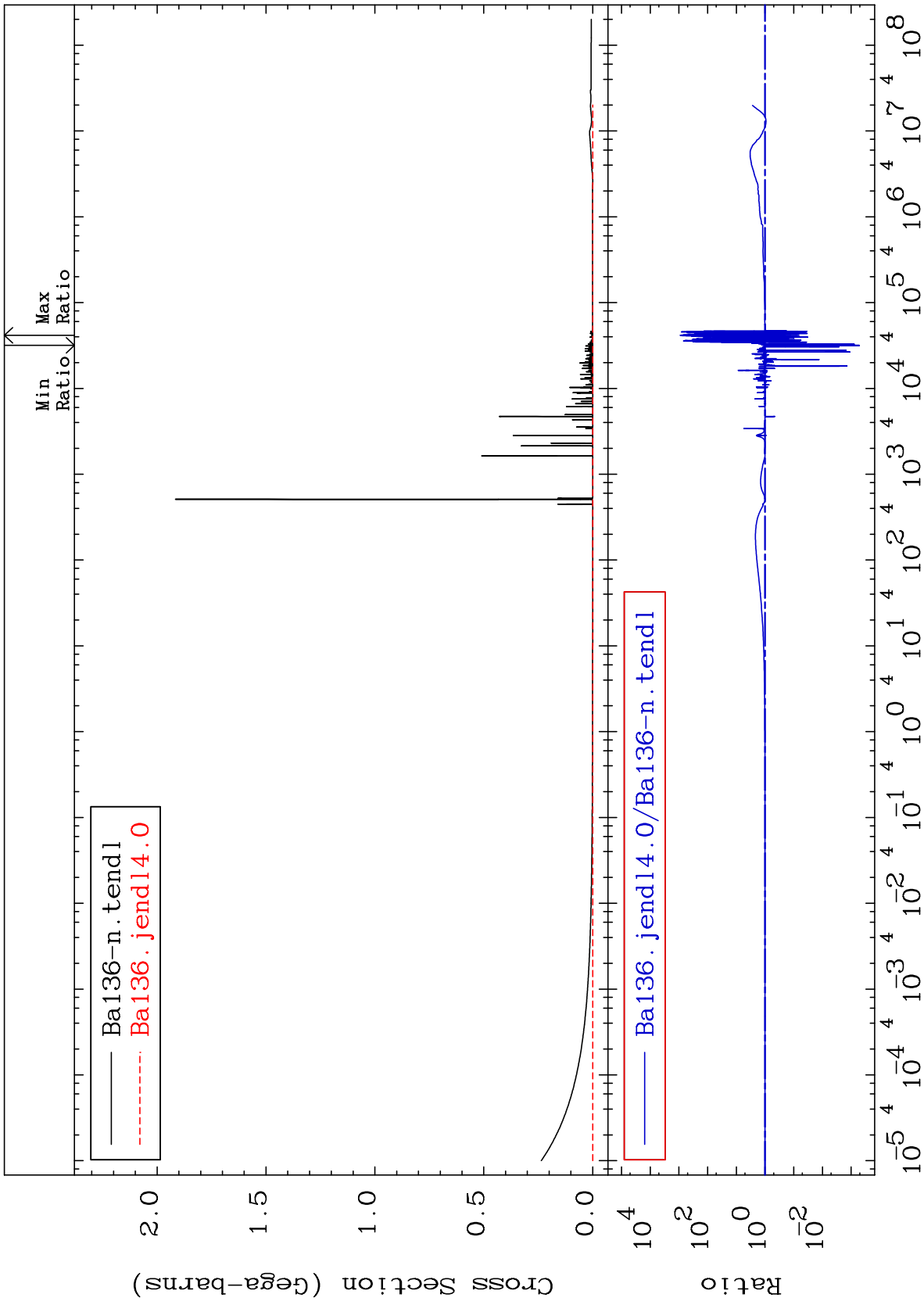
56-Ba-136
-99.95 To 9999. %



MAT 5643

Total photon (eV-barns)
Cross Section

56-Ba-136
-99.95 To 9999. %



34

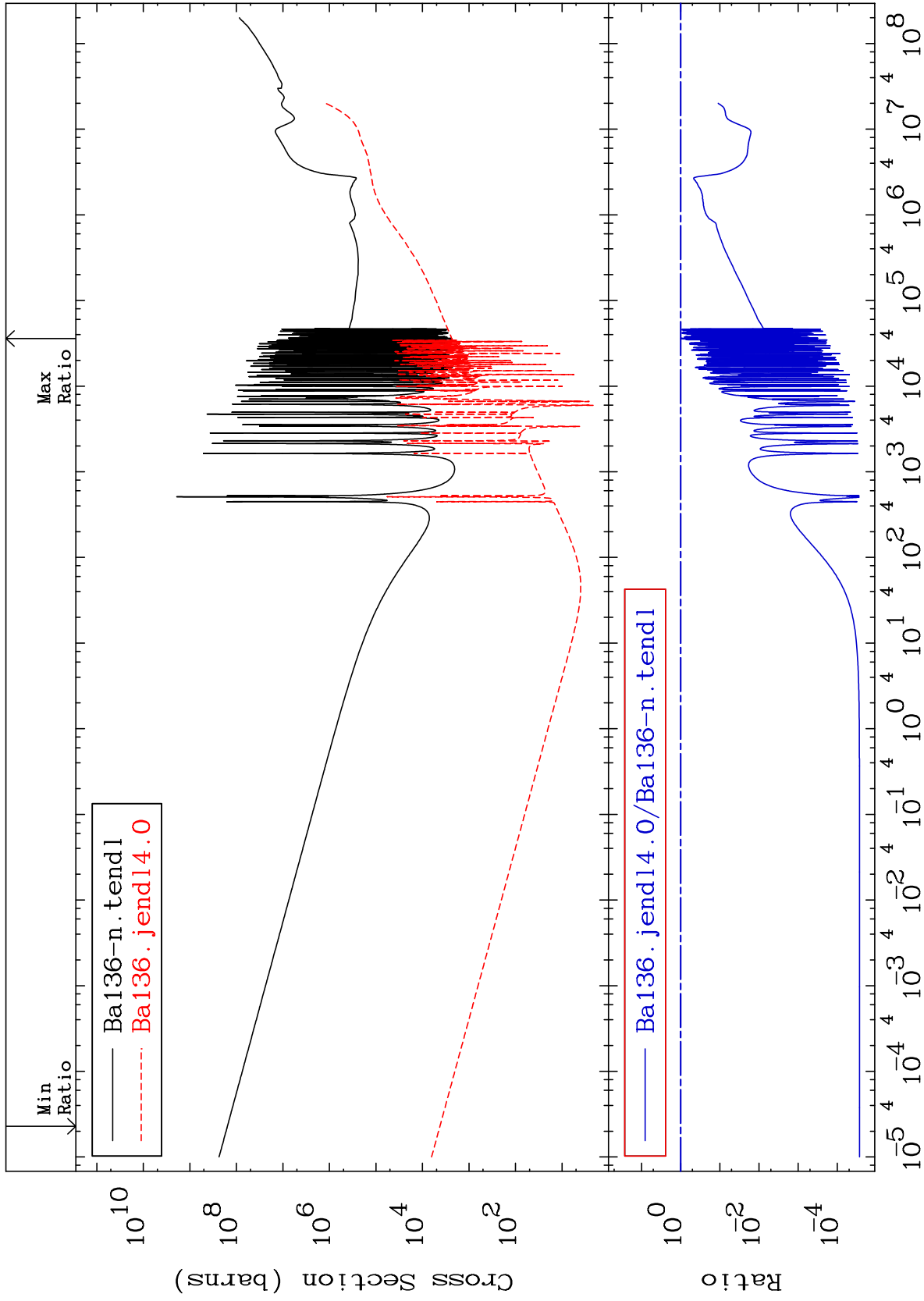
Incident Energy (eV)

56-Ba-136

MAT 5643

Total kinematic kerma (high limit)
Cross Section

56-Ba-136
-100.0 To -0.623%



35

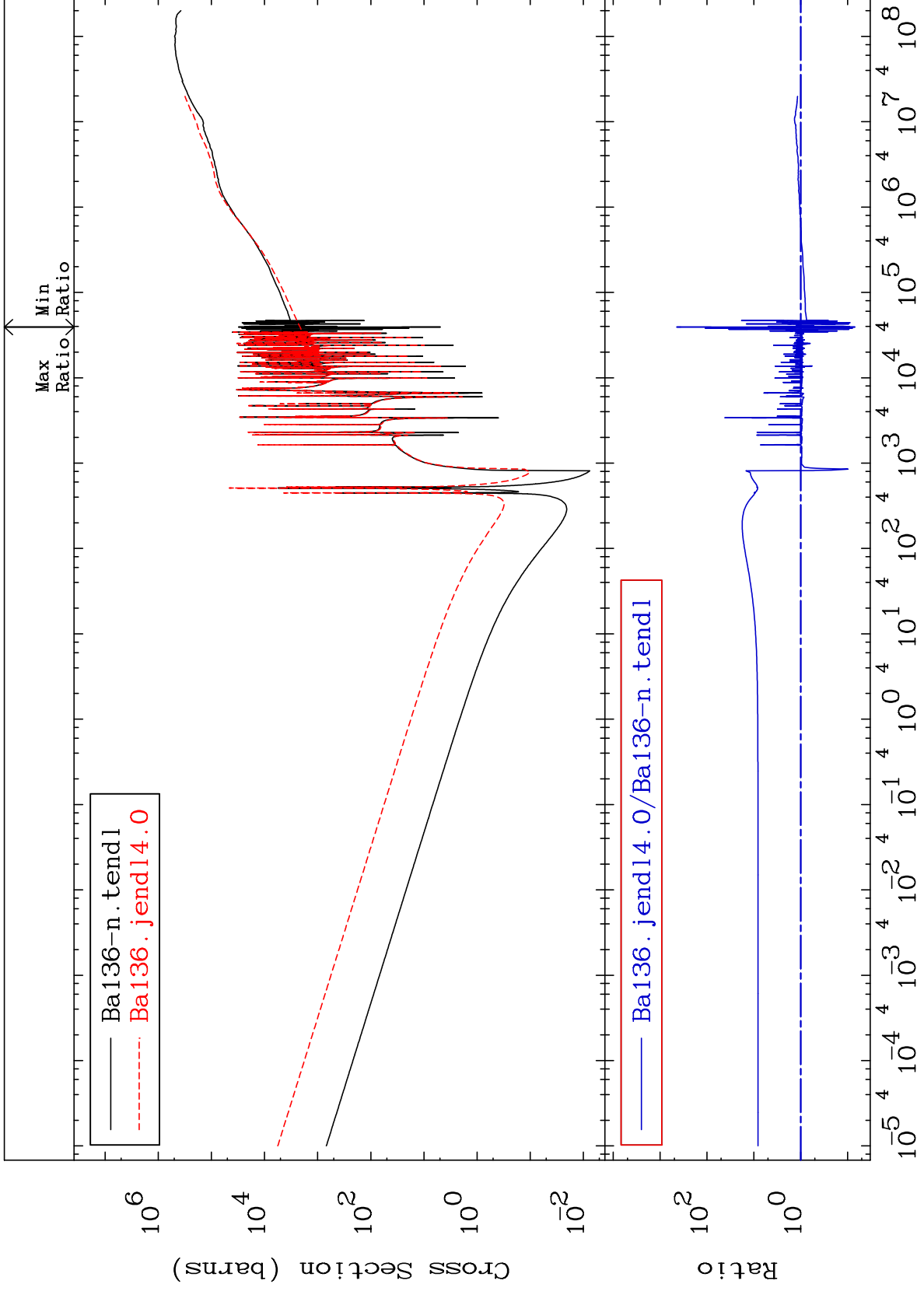
Incident Energy (eV)

56-Ba-136

MAT 5643

Dpa total (eV-barns)
Cross Section

56-Ba-136
-93.04 To 9999. %



36

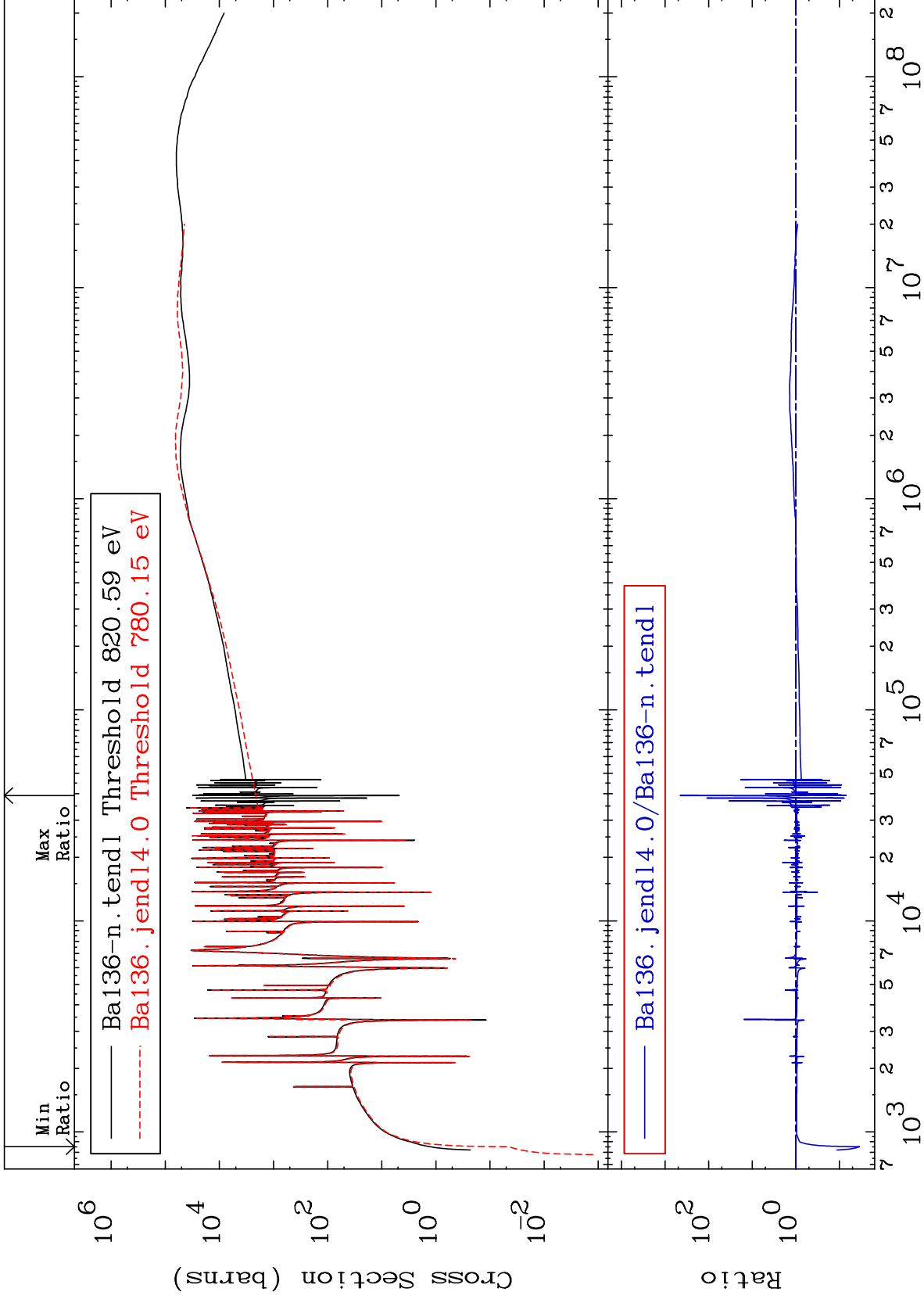
Incident Energy (eV)

56-Ba-136

MAT 5643

Dpa elastic (mt2)
Cross Section

56-Ba-136
-96.54 To 9999. %



37

Incident Energy (eV)

56-Ba-136

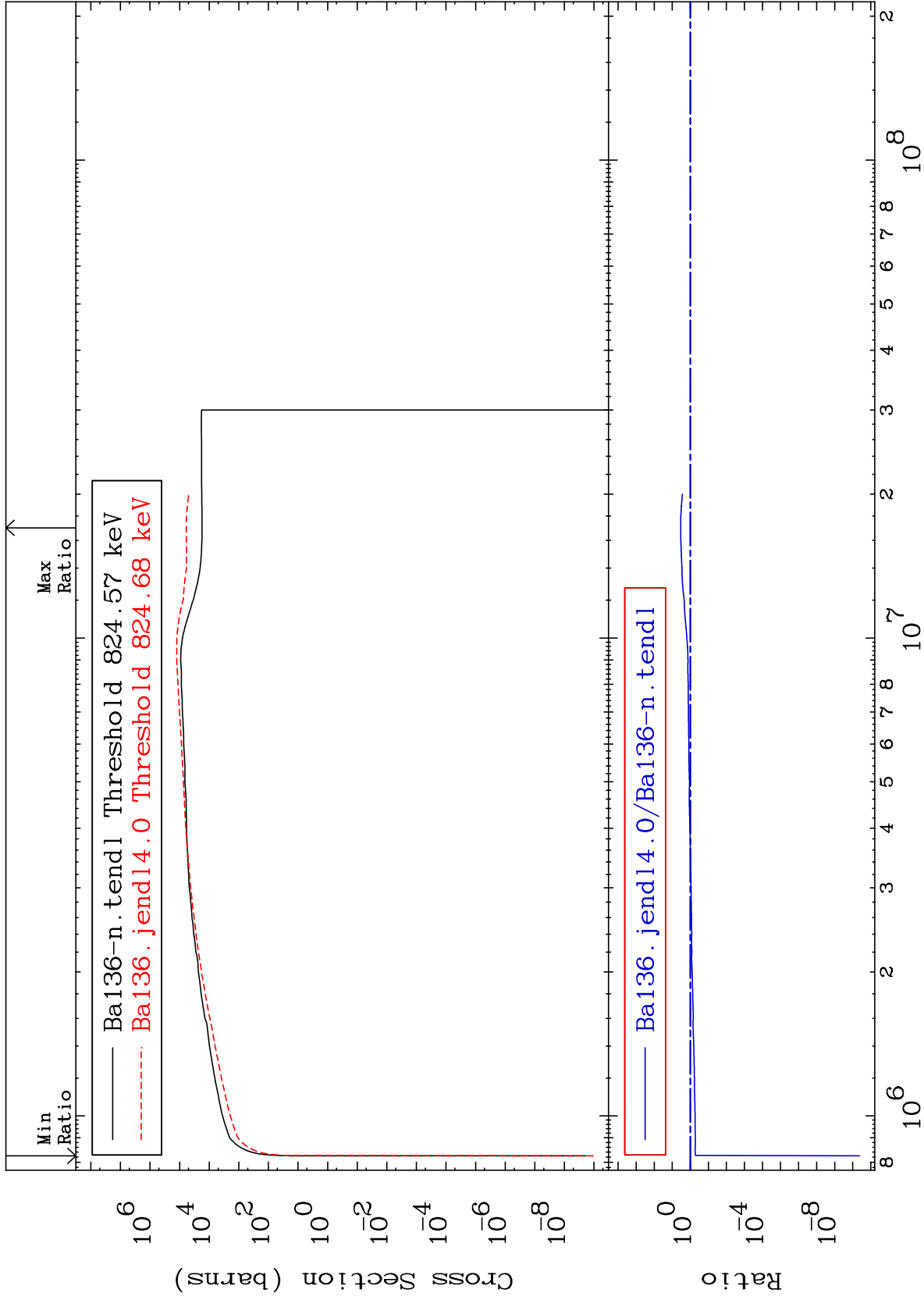
MAT 5643

Dpa inelastic (mt51-91)

56-Ba-136

-100.0 To 237.1 %

Cross Section



38

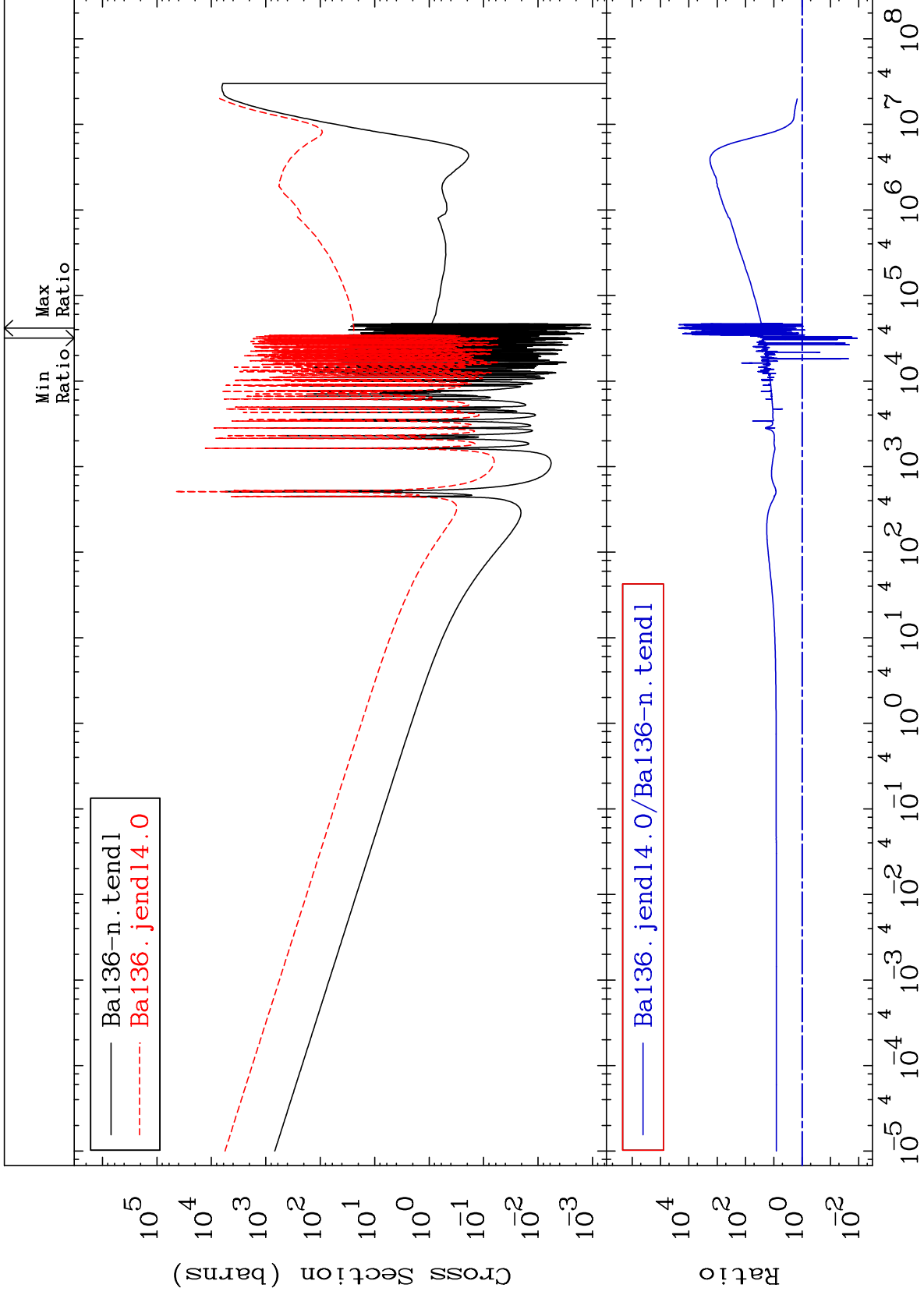
Incident Energy (eV)

56-Ba-136

MAT 5643

Dpa disappearance (mt102 -120)
Cross Section

56-Ba-136
-98.87 To 9999. %



39

Incident Energy (eV)

56-Ba-136