

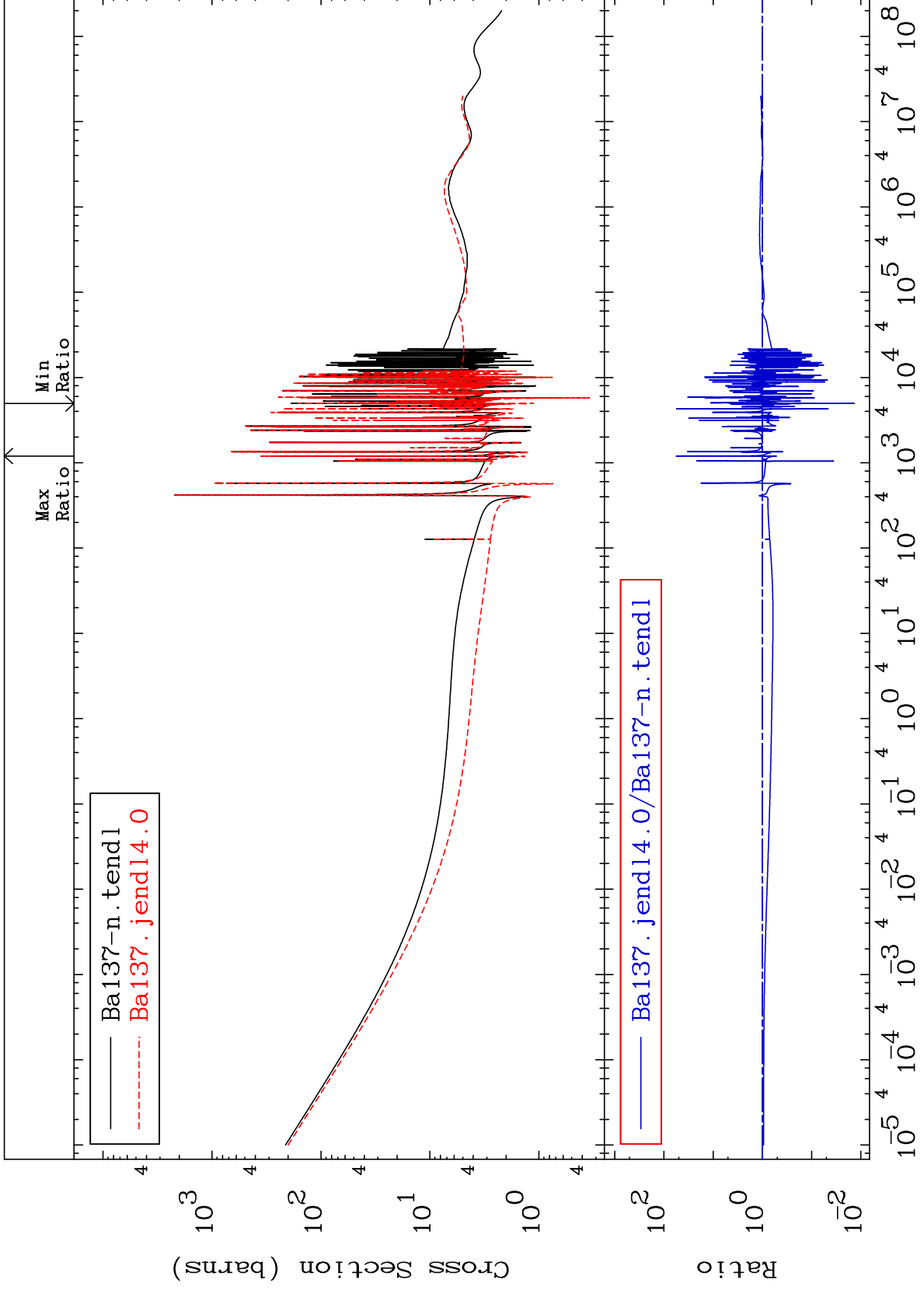
MAT 5646

Total

56-Ba-137

Cross Section

-98.65 To 5491. %



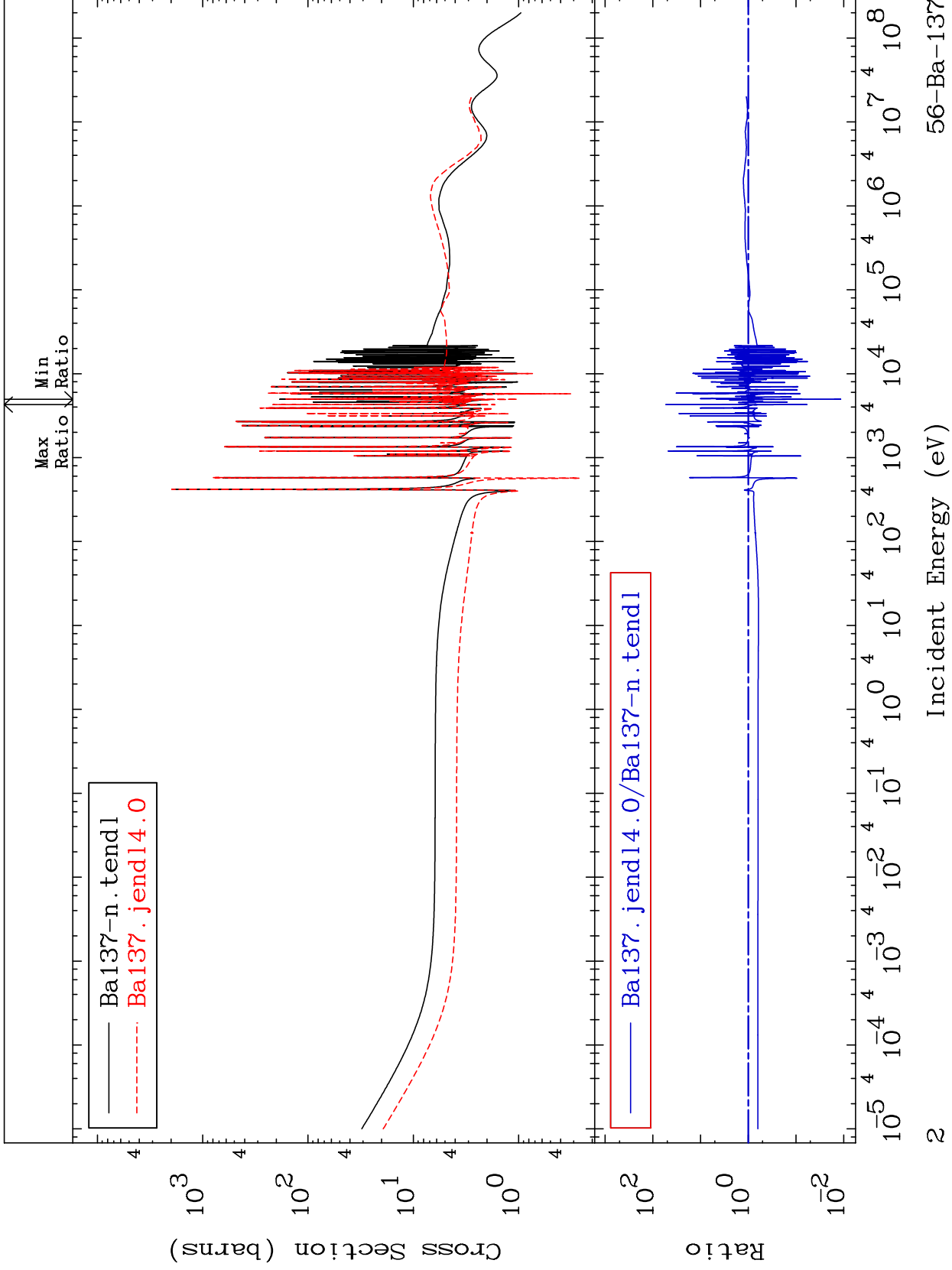
Incident Energy (eV)

56-Ba-137

MAT 5646

Elastic
Cross Section

56-Ba-137
-98.85 To 5327. %



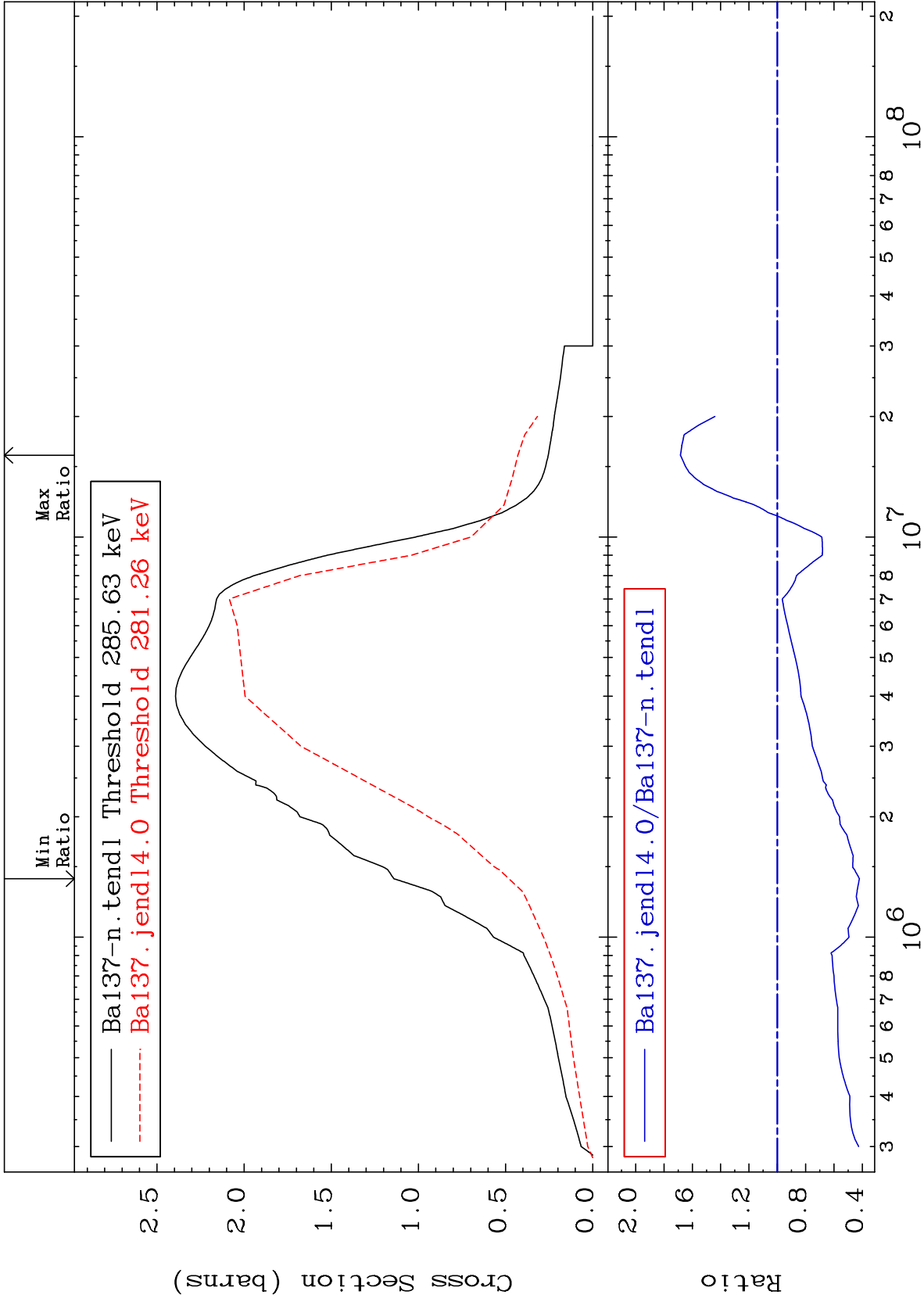
Incident Energy (eV)

56-Ba-137

MAT 5646

Inelastic
Cross Section

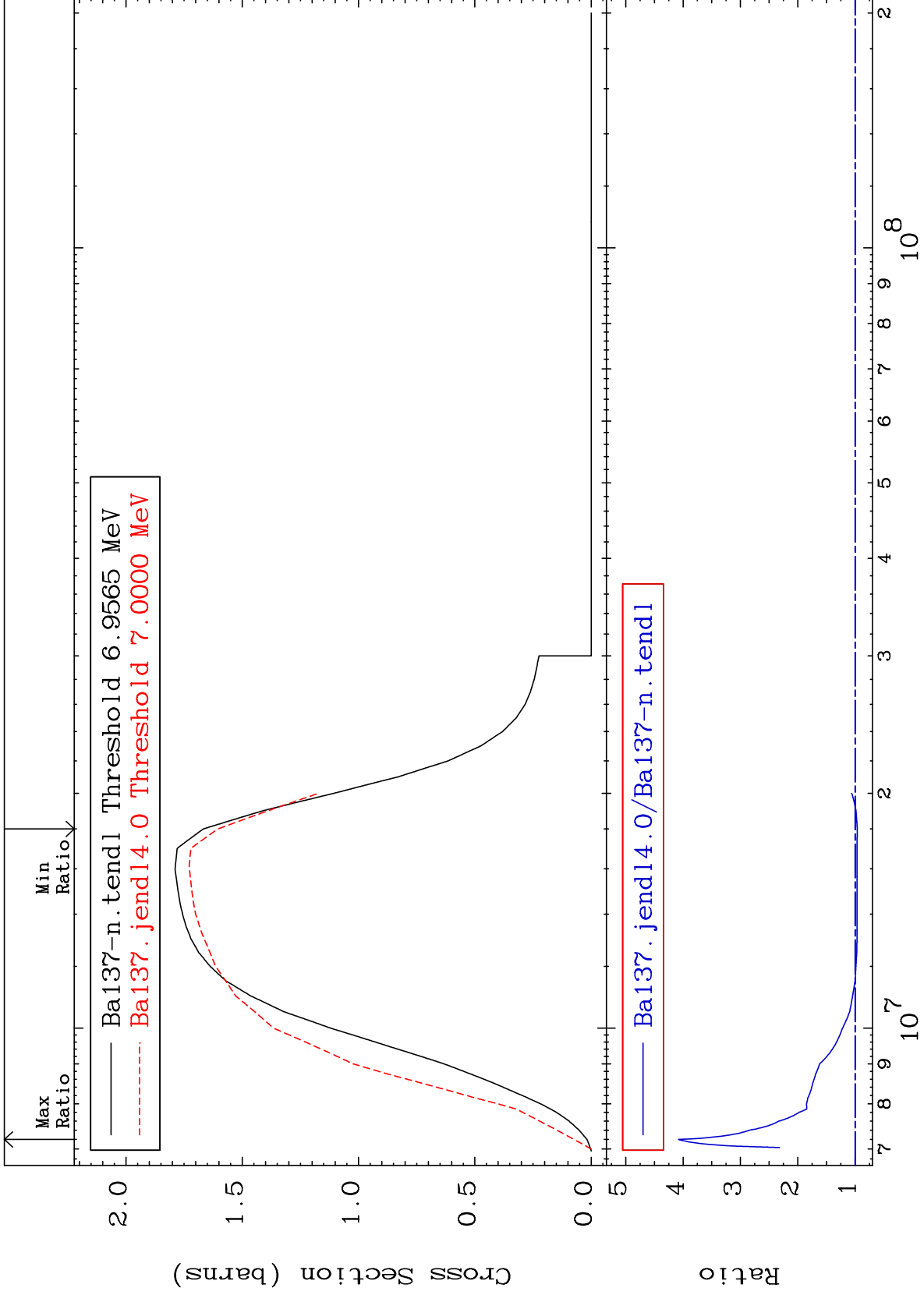
56-Ba-137
-57.88 To 68.43 %



MAT 5646

(n,2n)
Cross Section

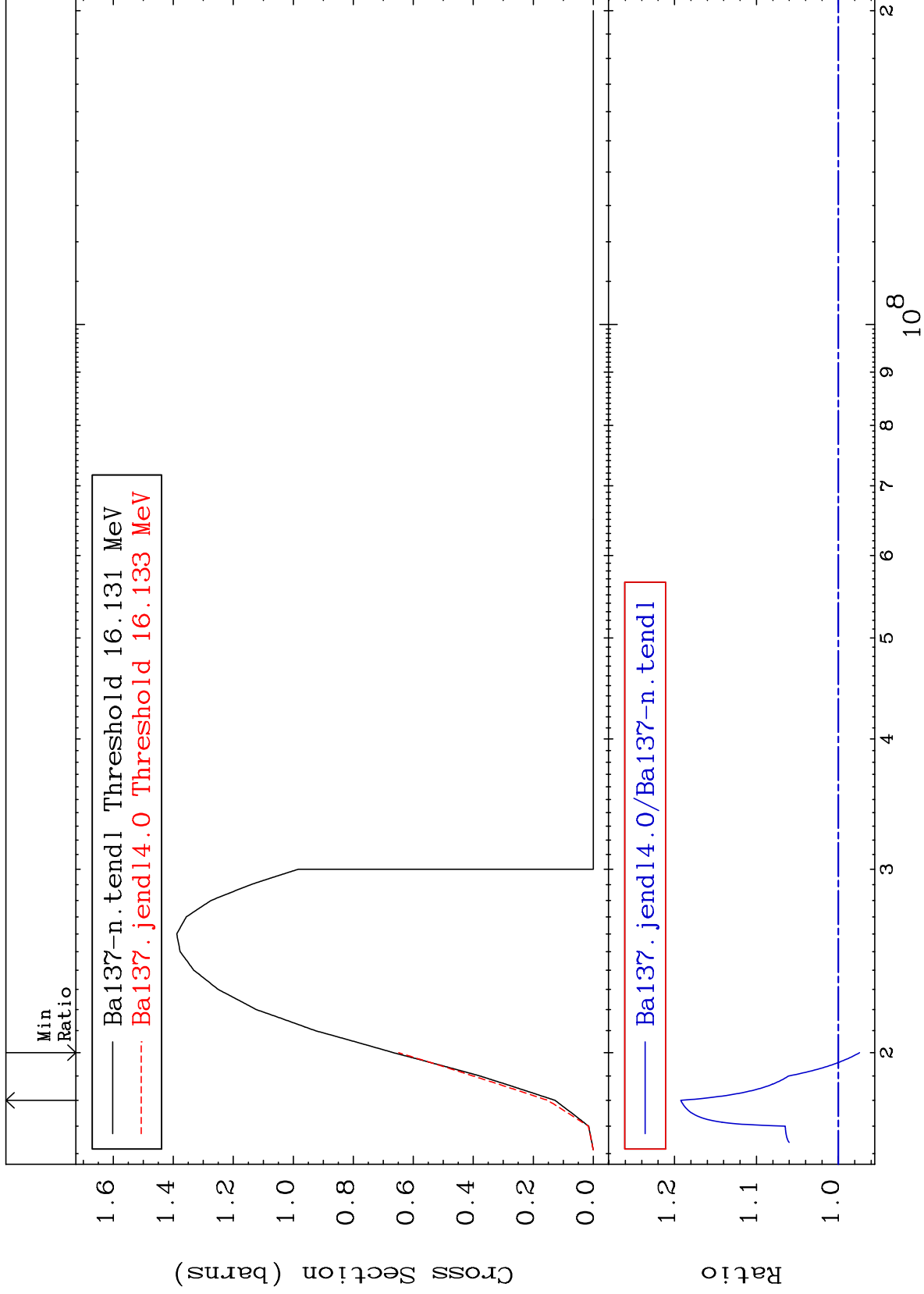
56-Ba-137
-3.737 To 307.7 %



MAT 5646

(n,3n)
Cross Section

56-Ba-137
-2.579 To 19.24 %

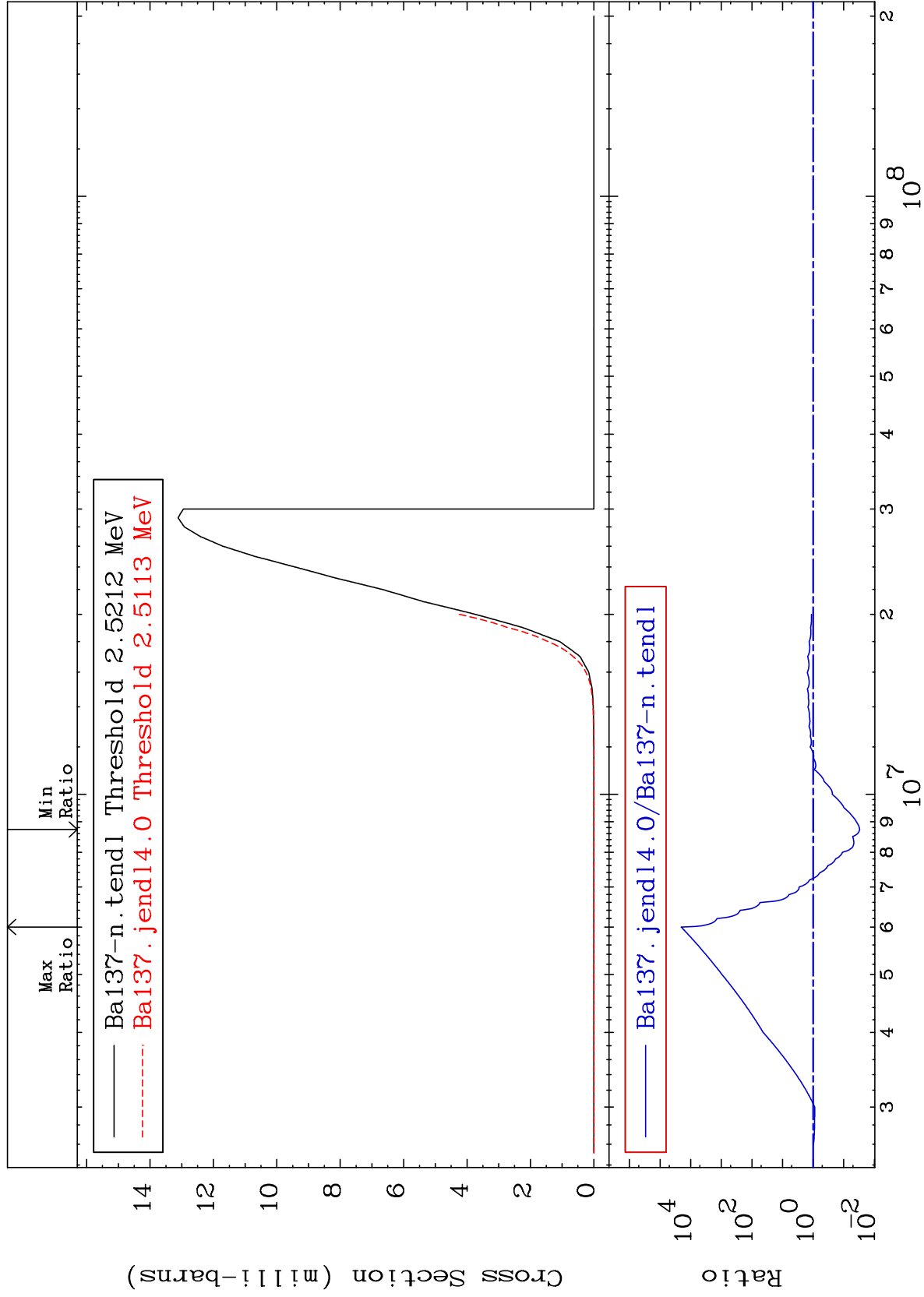


MAT 5646

(n, n') α
Cross Section

56-Ba-137

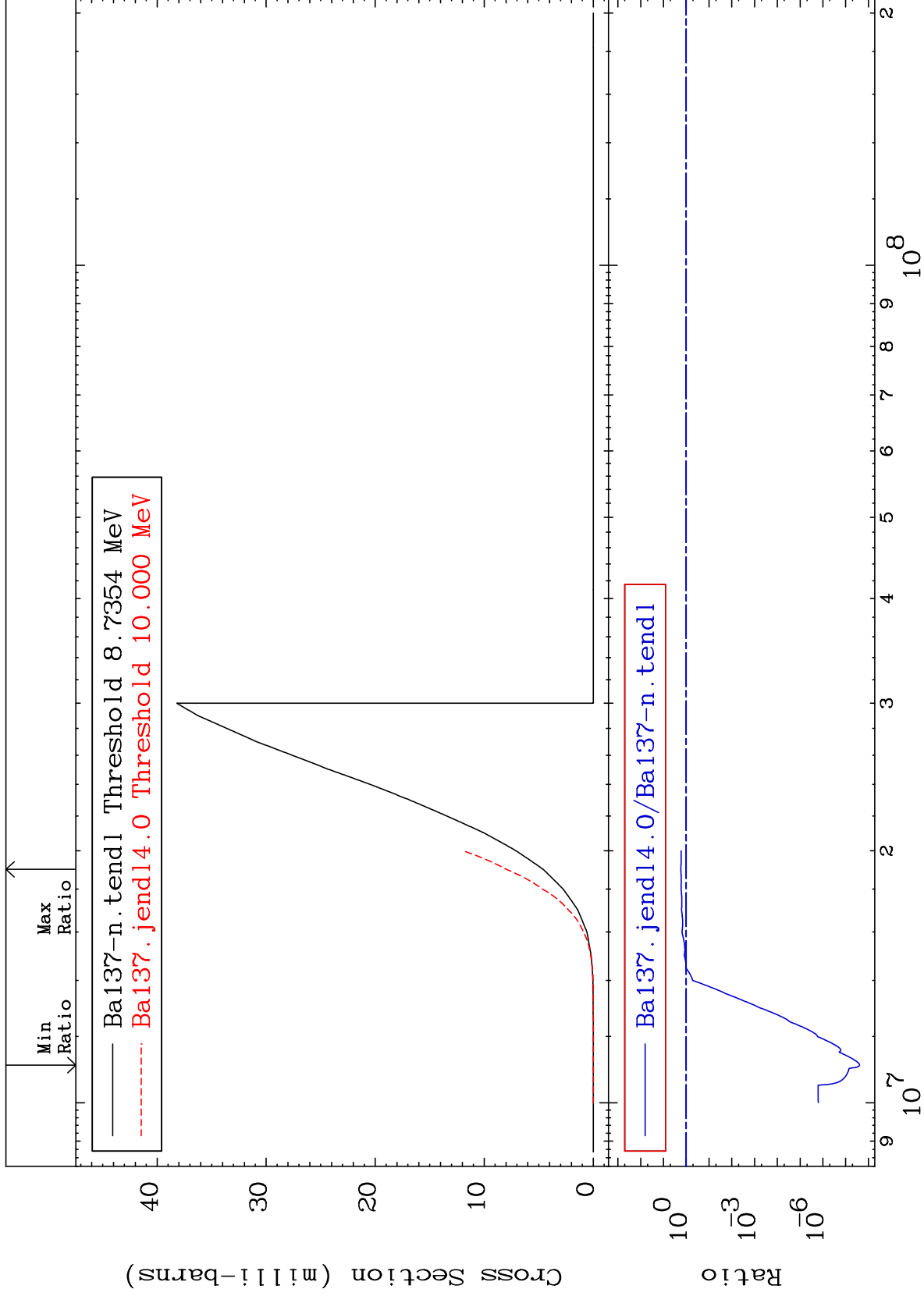
-96.98 To 9999. %



MAT 5646

(n,n') p
Cross Section

56-Ba-137
-100.0 To 73.64 %



7

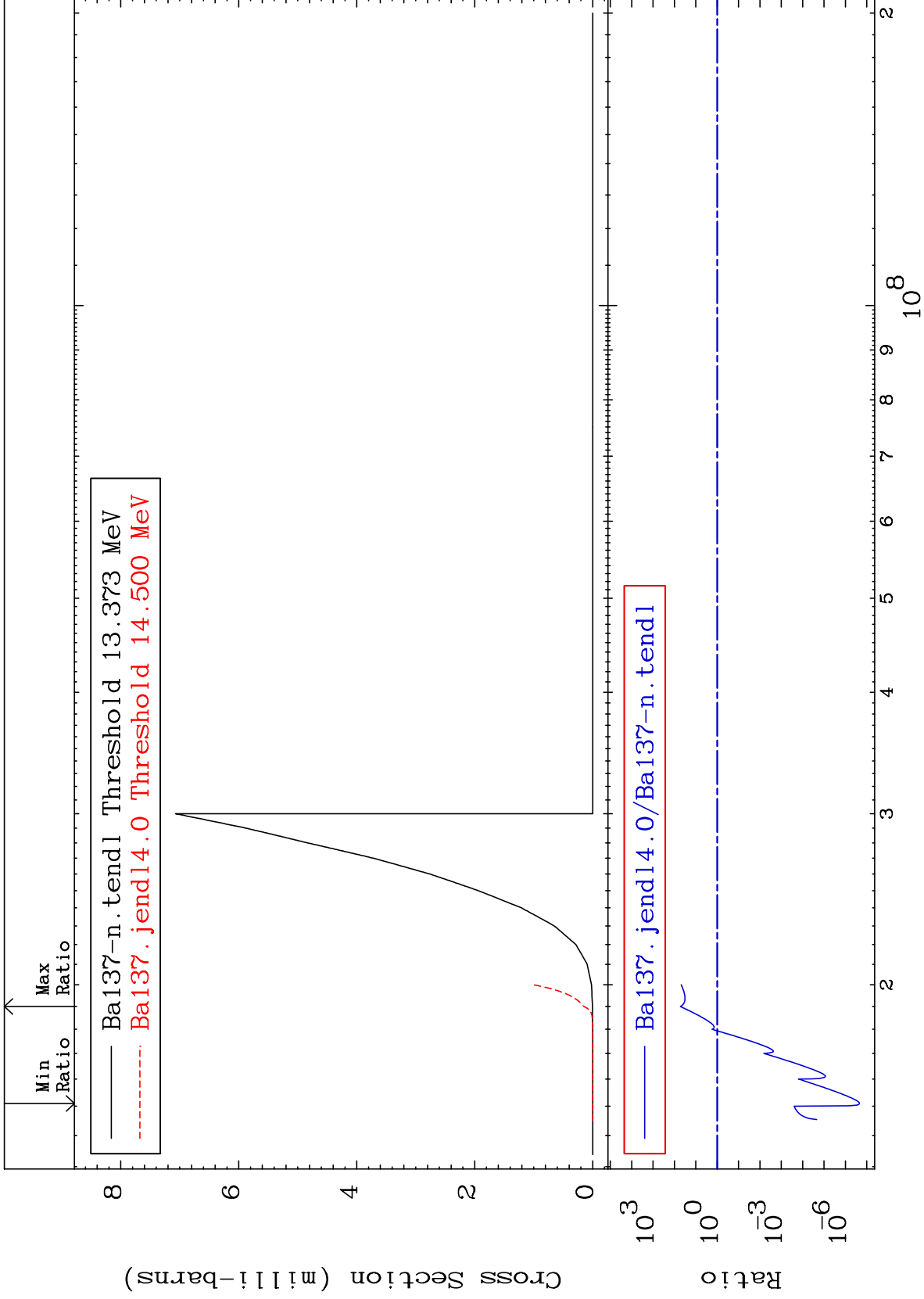
Incident Energy (eV)

56-Ba-137

MAT 5646

(n,n') d
Cross Section

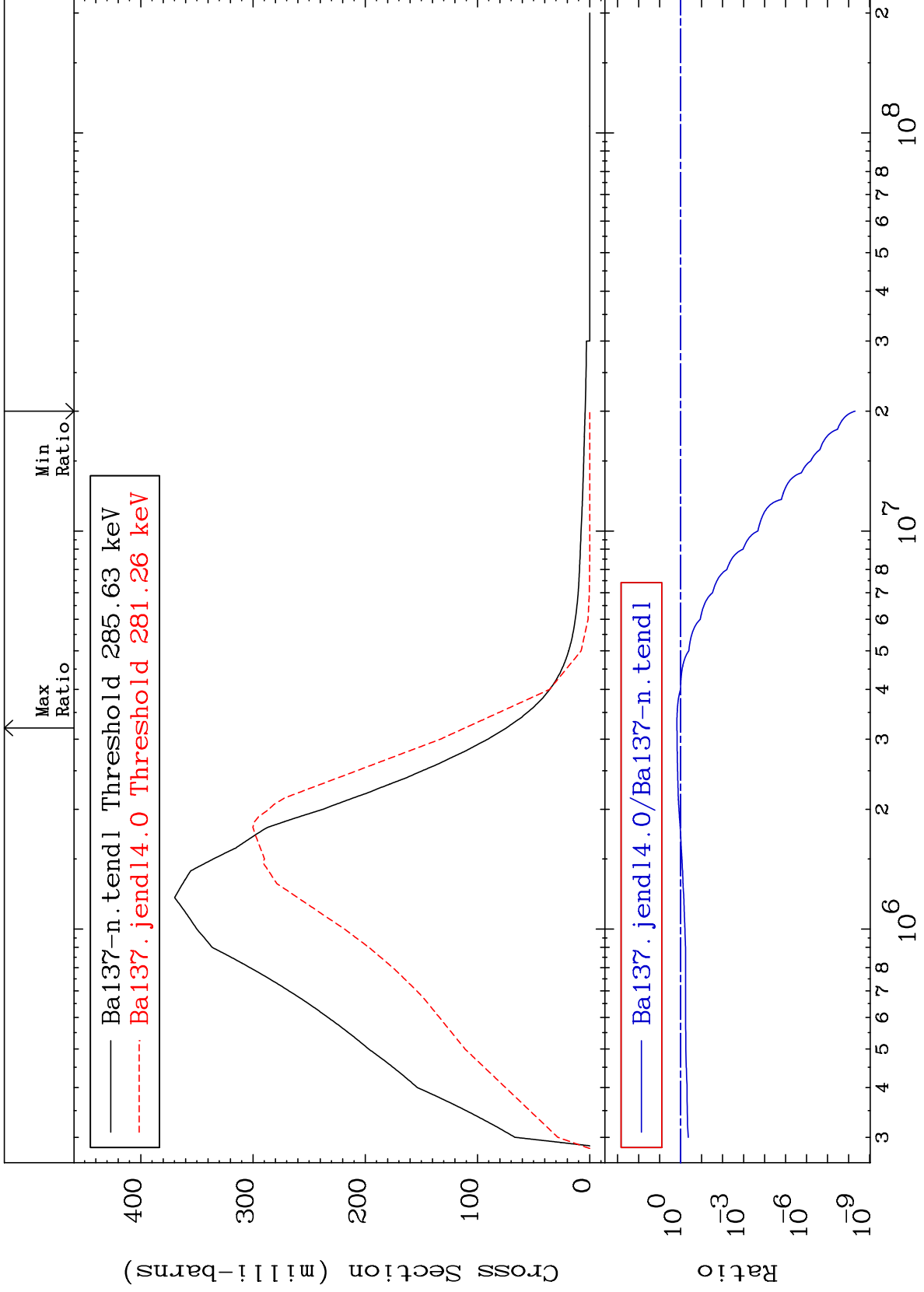
56-Ba-137
-100.0 To 5187. %



MAT 5646

283.5 keV (n,n') Level
Cross Section

56-Ba-137
-100.0 To 49.74 %



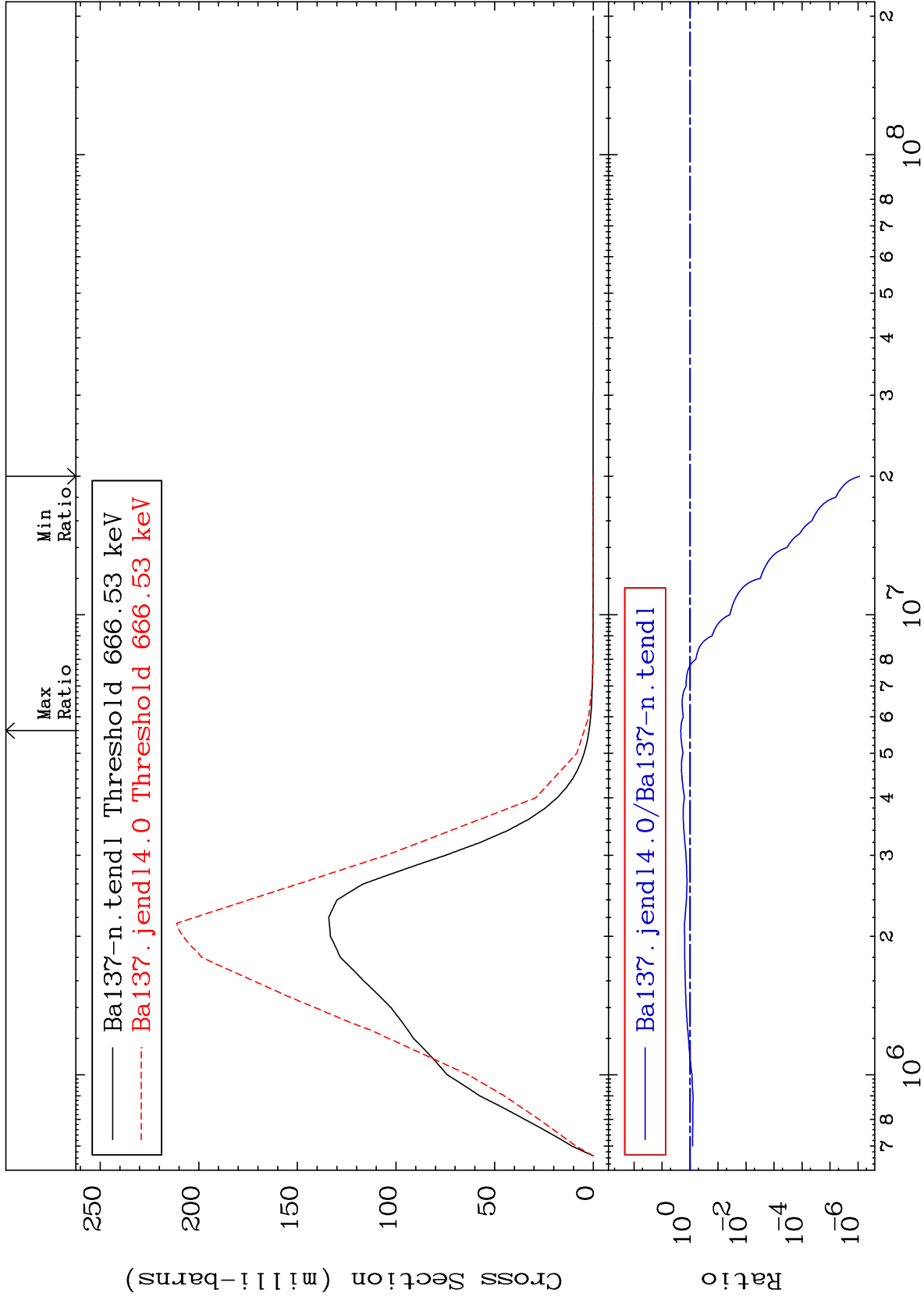
MAT 5646

661.7 keV (n,n') Level

56-Ba-137

-100.0 To 114.1 %

Cross Section



10

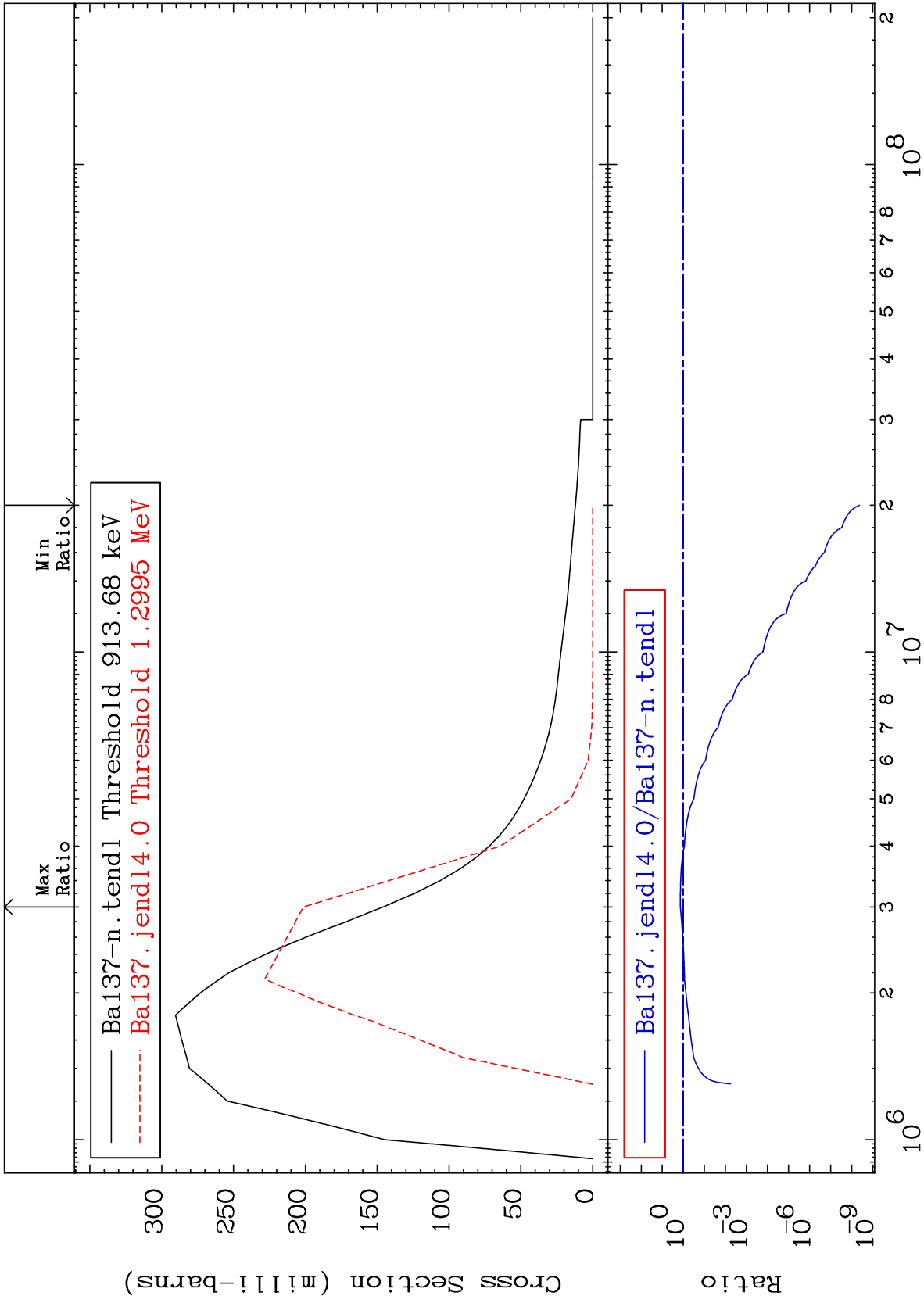
Incident Energy (eV)

56-Ba-137

MAT 5646

907.0 keV (n,n') Level
Cross Section

56-Ba-137
-100.0 To 38.14 %



11

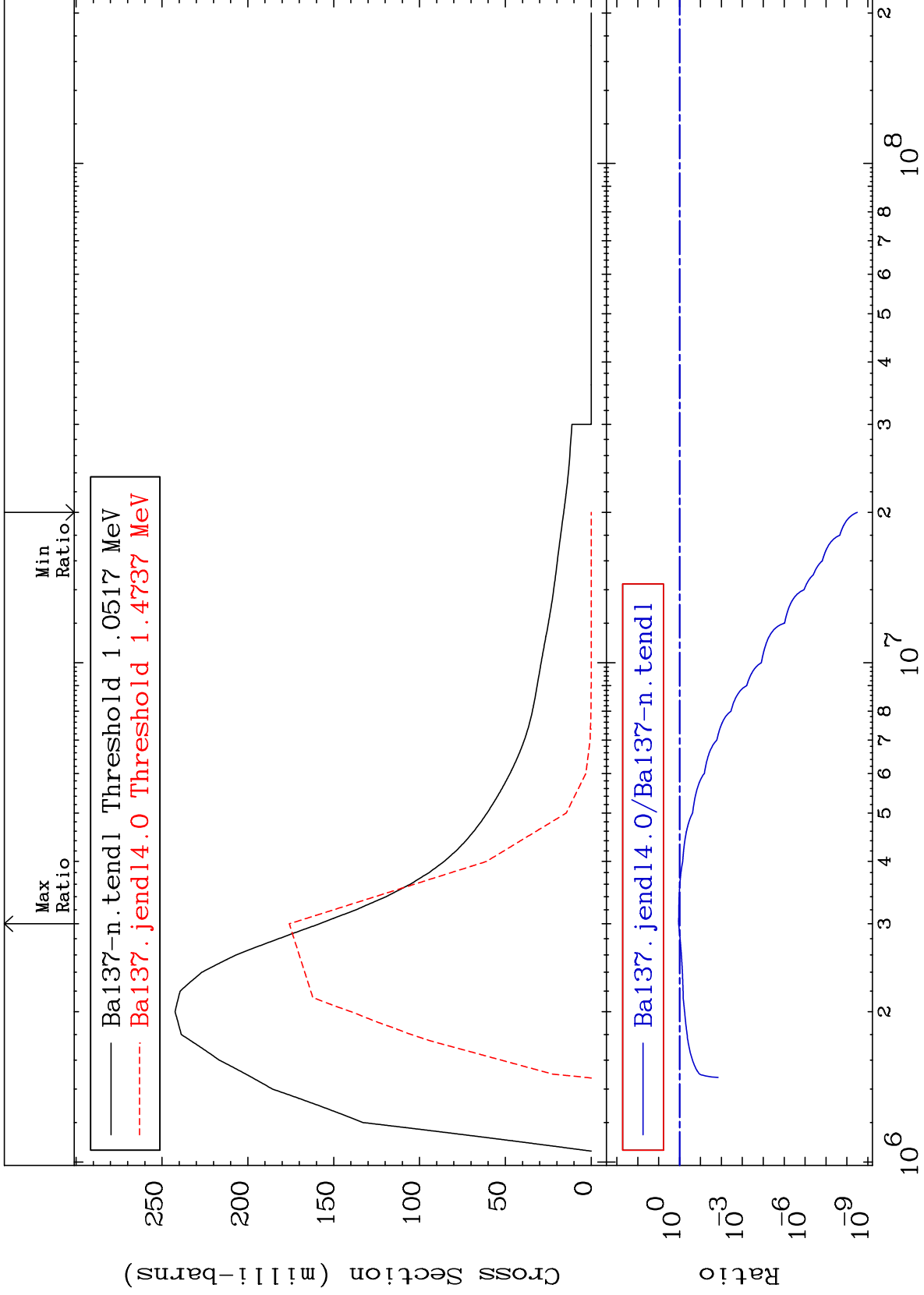
Incident Energy (eV)

56-Ba-137

MAT 5646

1.044 MeV (n,n') Level
Cross Section

56-Ba-137
-100.0 To 11.18 %



12

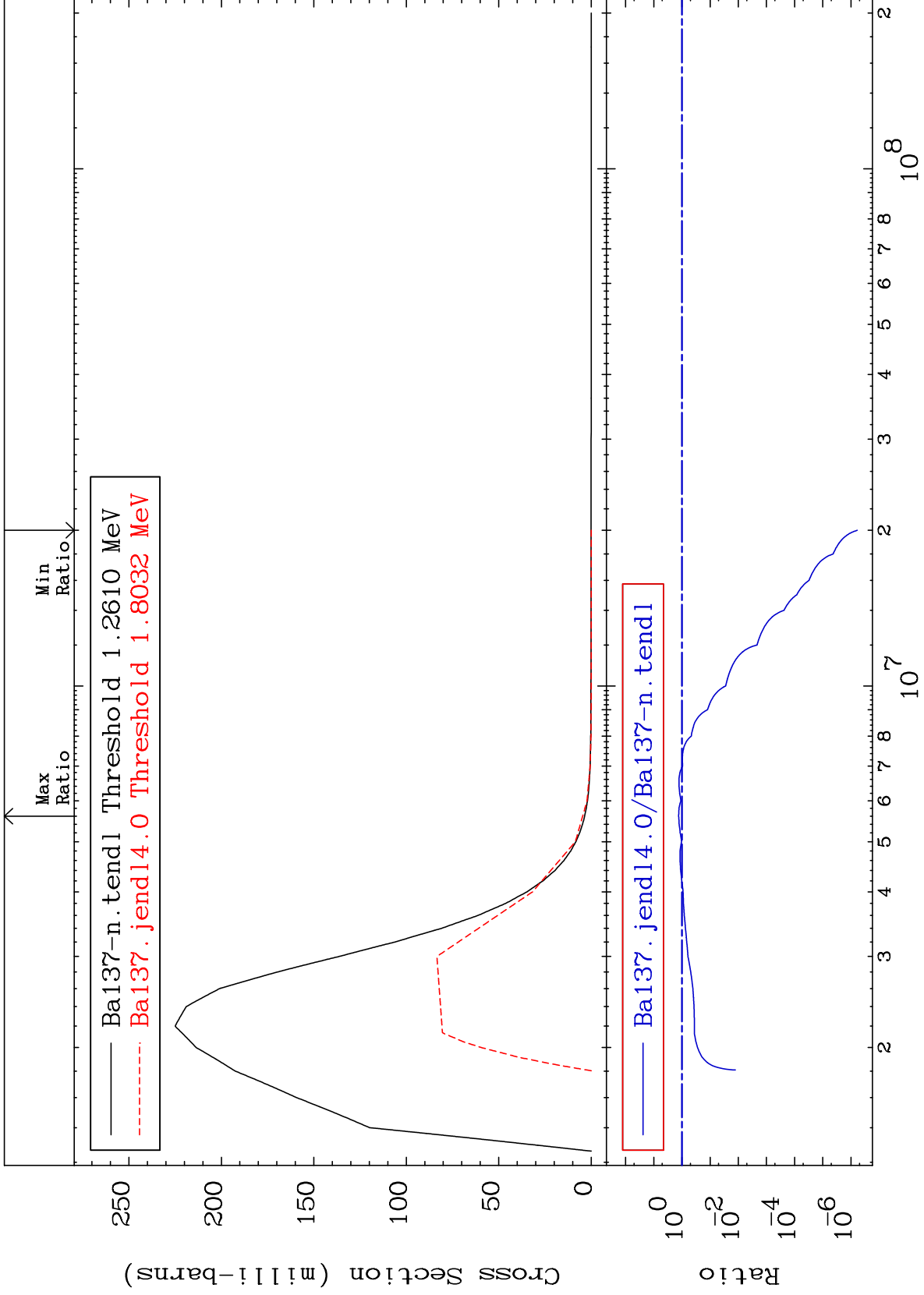
Incident Energy (eV)

56-Ba-137

MAT 5646

1.252 MeV (n,n') Level
Cross Section

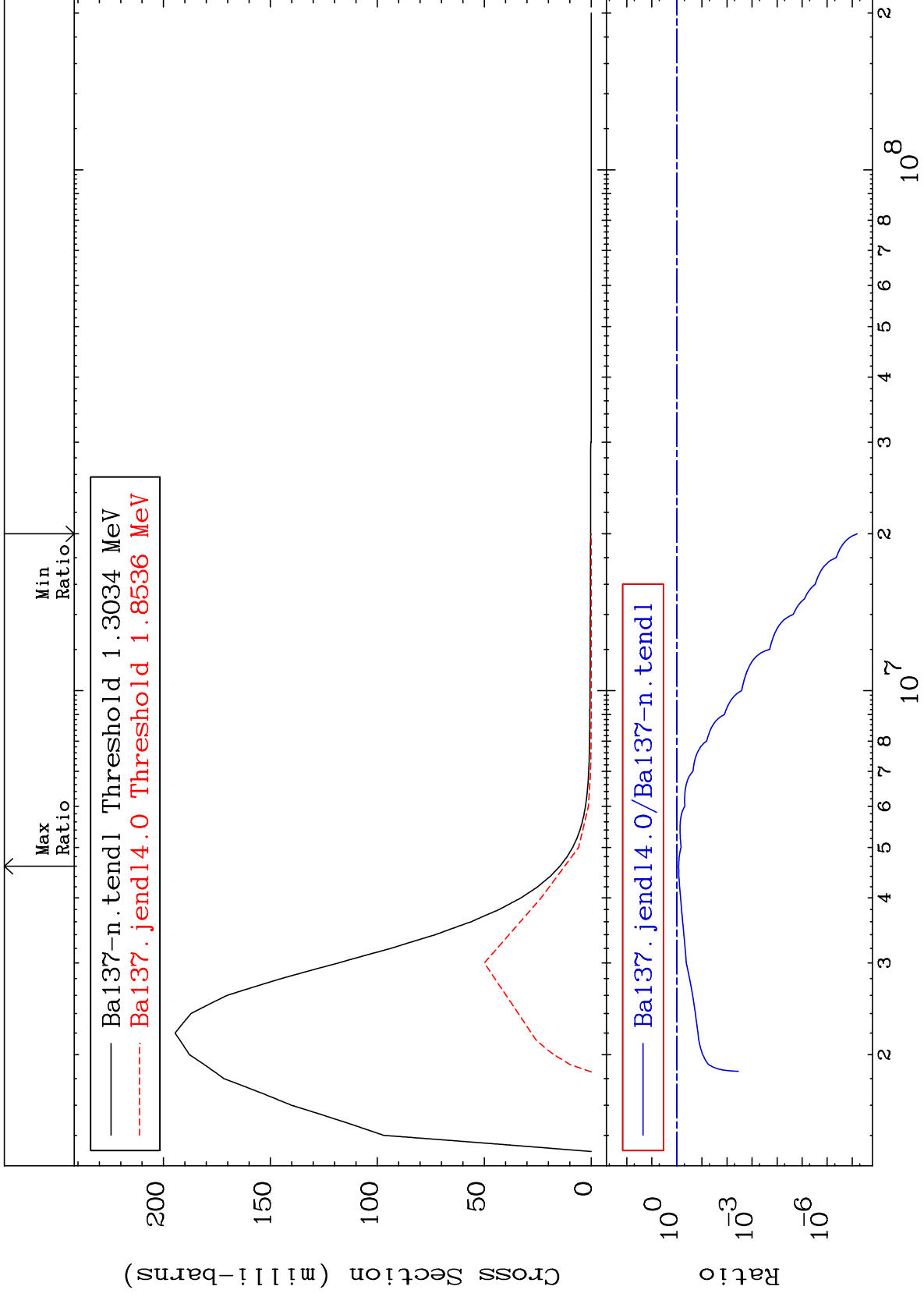
56-Ba-137
-100.0 To 30.91 %



MAT 5646

1.294 MeV (n,n') Level
Cross Section

56-Ba-137
-100.0 To -15.10%



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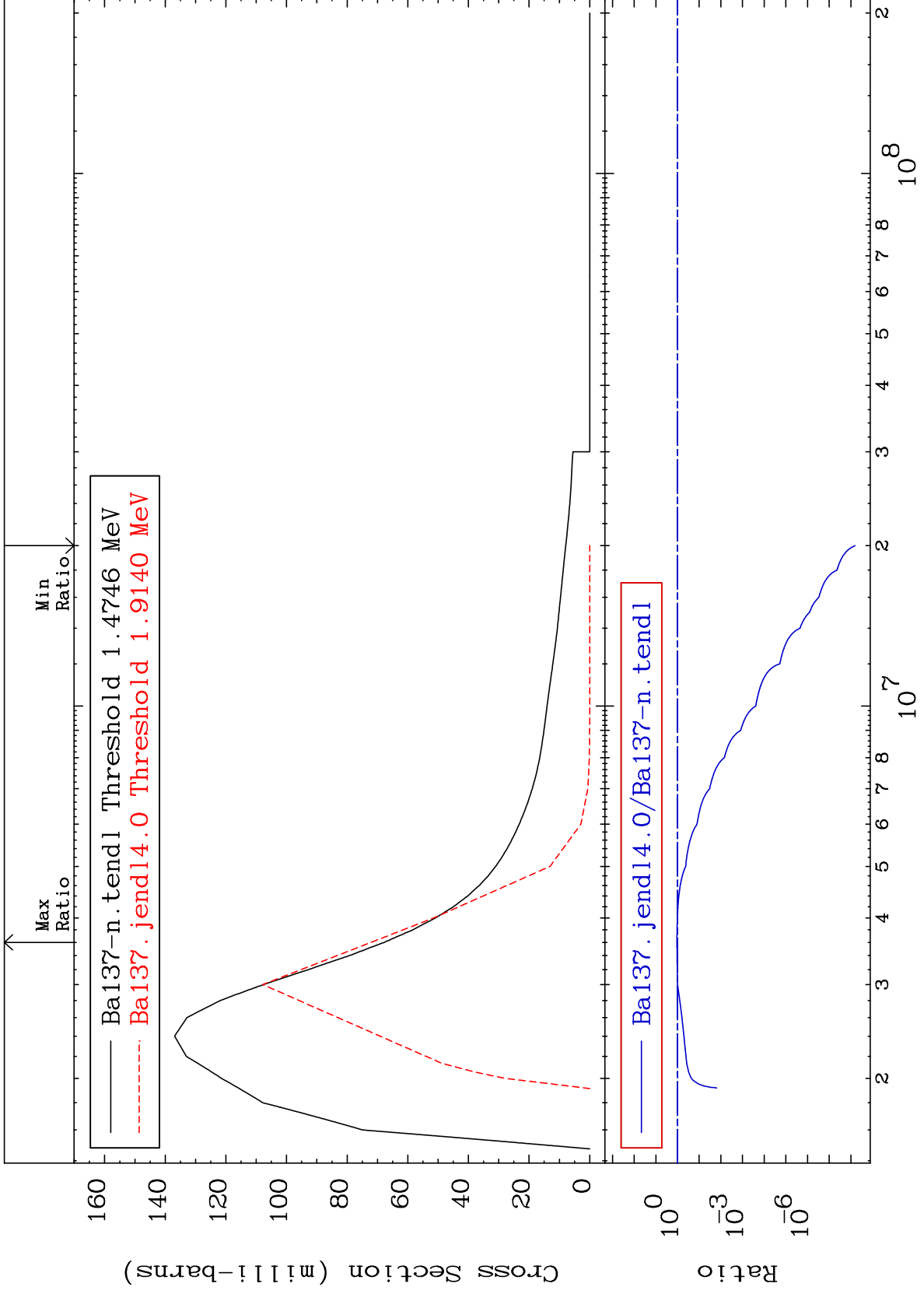
Incident Energy (eV)

56-Ba-137

MAT 5646

1.464 MeV (n,n') Level
Cross Section

56-Ba-137
-100.0 To 6.457 %



15

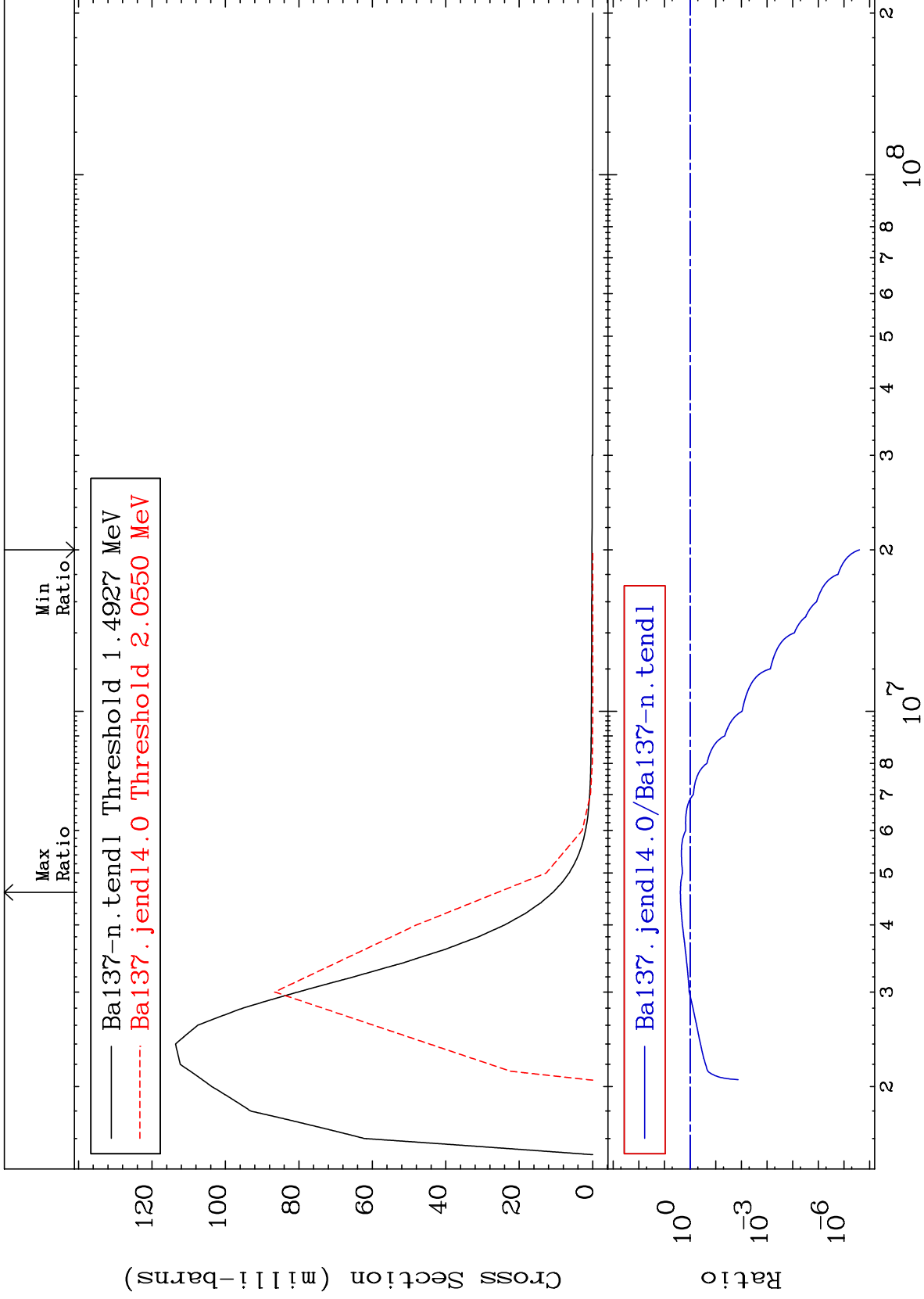
Incident Energy (eV)

56-Ba-137

MAT 5646

1.482 MeV (n,n') Level
Cross Section

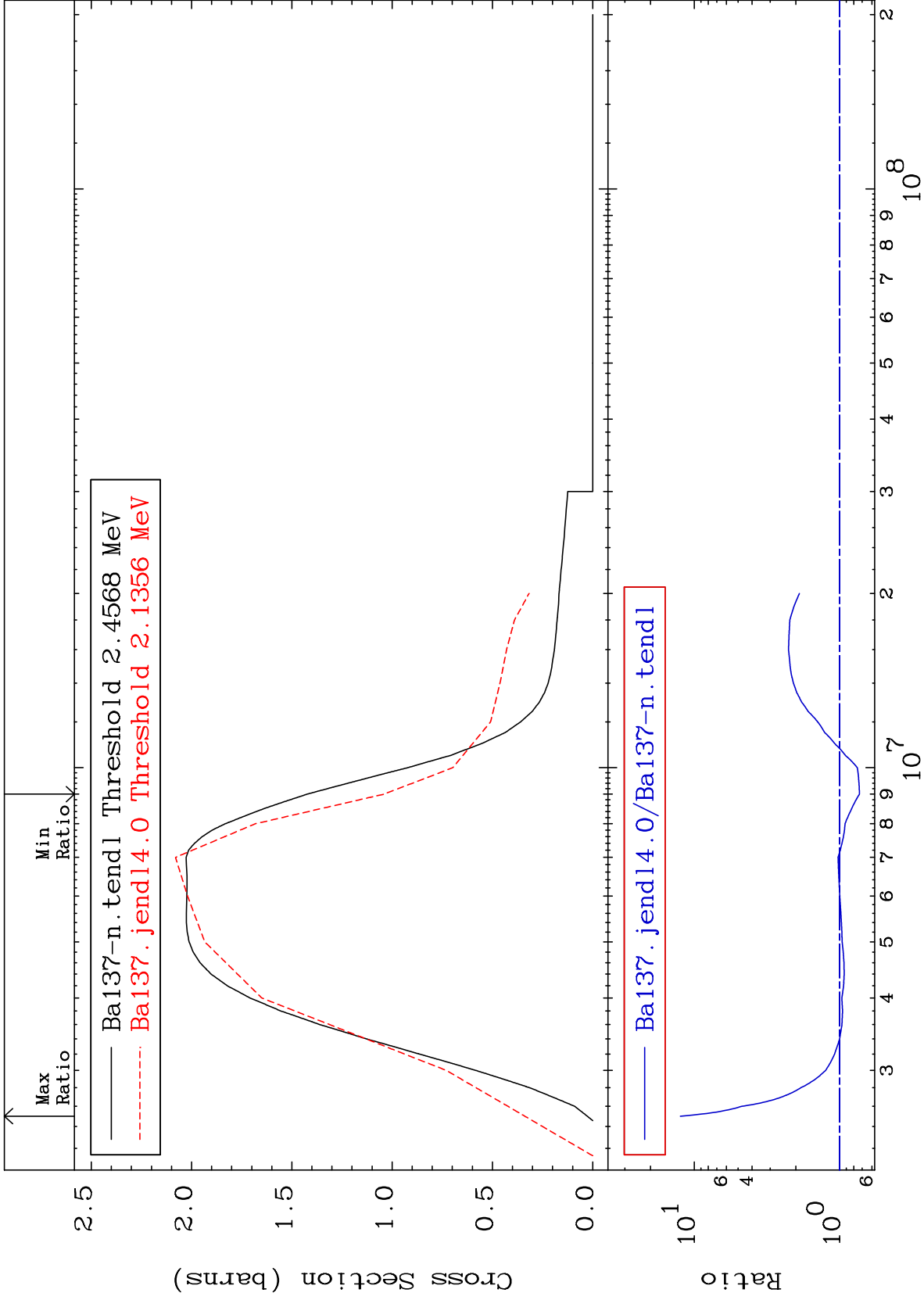
56-Ba-137
-100.0 To 138.9 %



MAT 5646

(n, n') Continuum
Cross Section

56-Ba-137
-26.88 To 1145. %



17

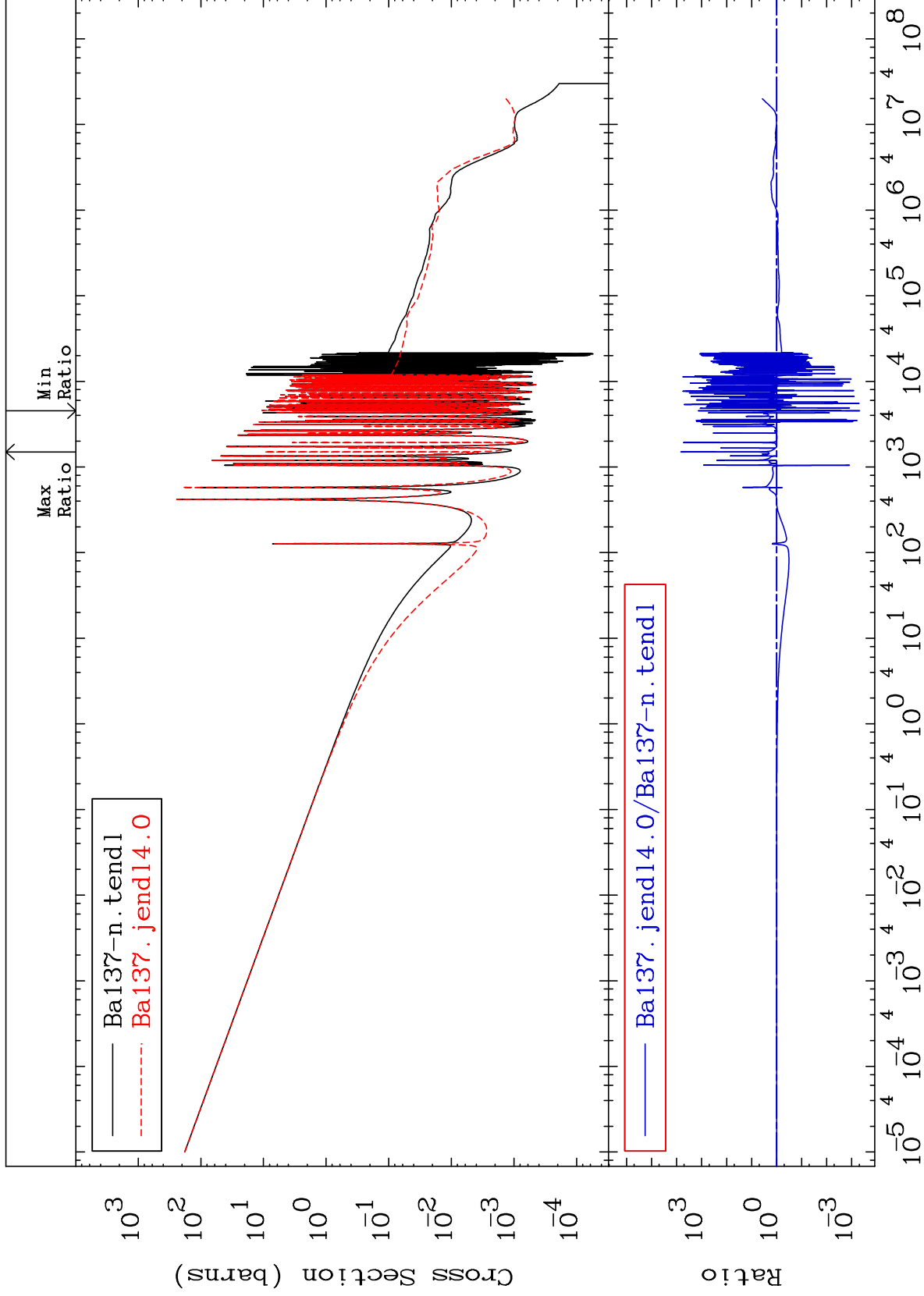
Incident Energy (eV)

56-Ba-137

MAT 5646

(n, γ)
Cross Section

56-Ba-137
-99.95 To 9999. %



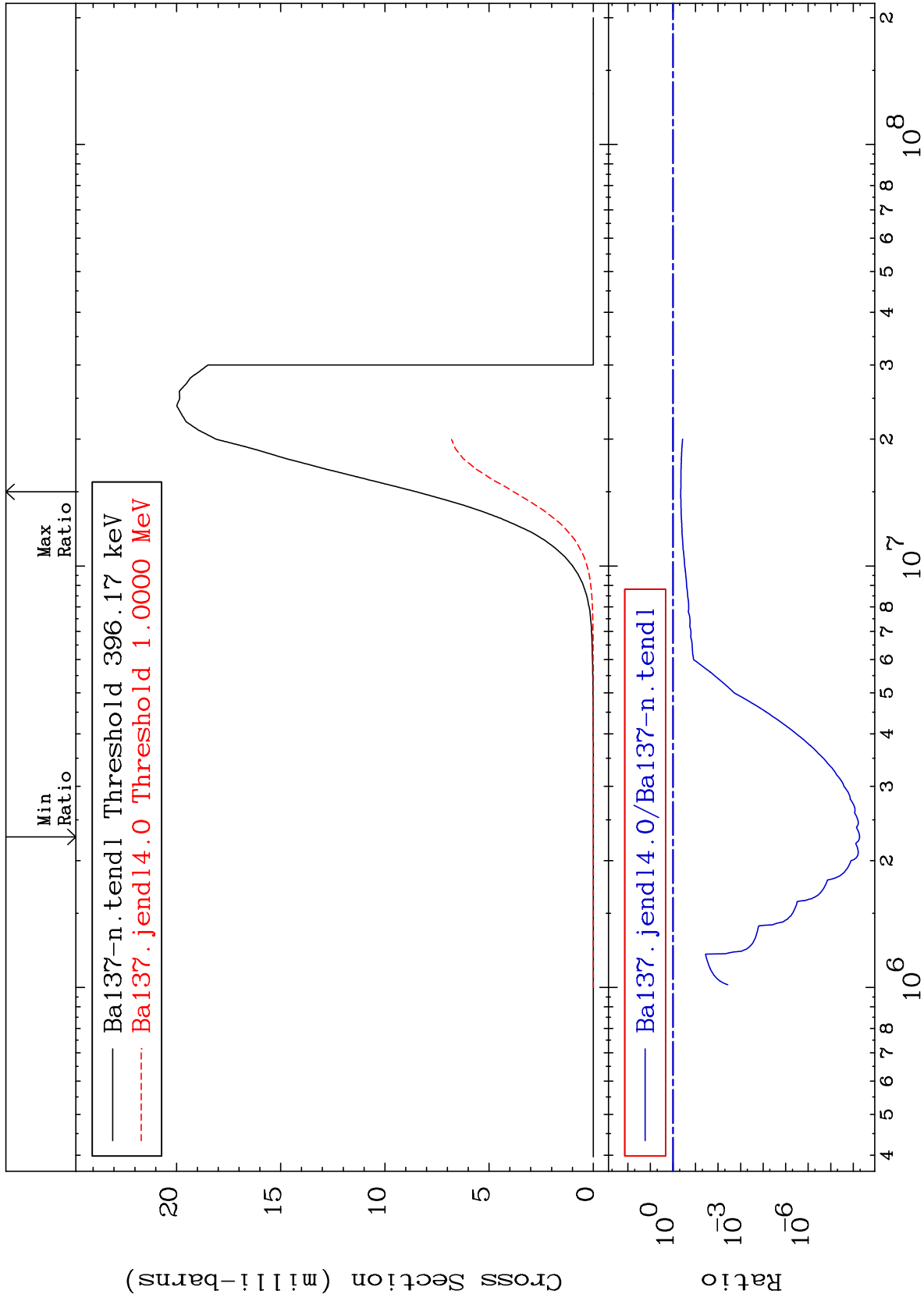
18

Incident Energy (eV)

56-Ba-137

MAT 5646

(n,p)
Cross Section
56-Ba-137
-100.0 To -54.95%



19

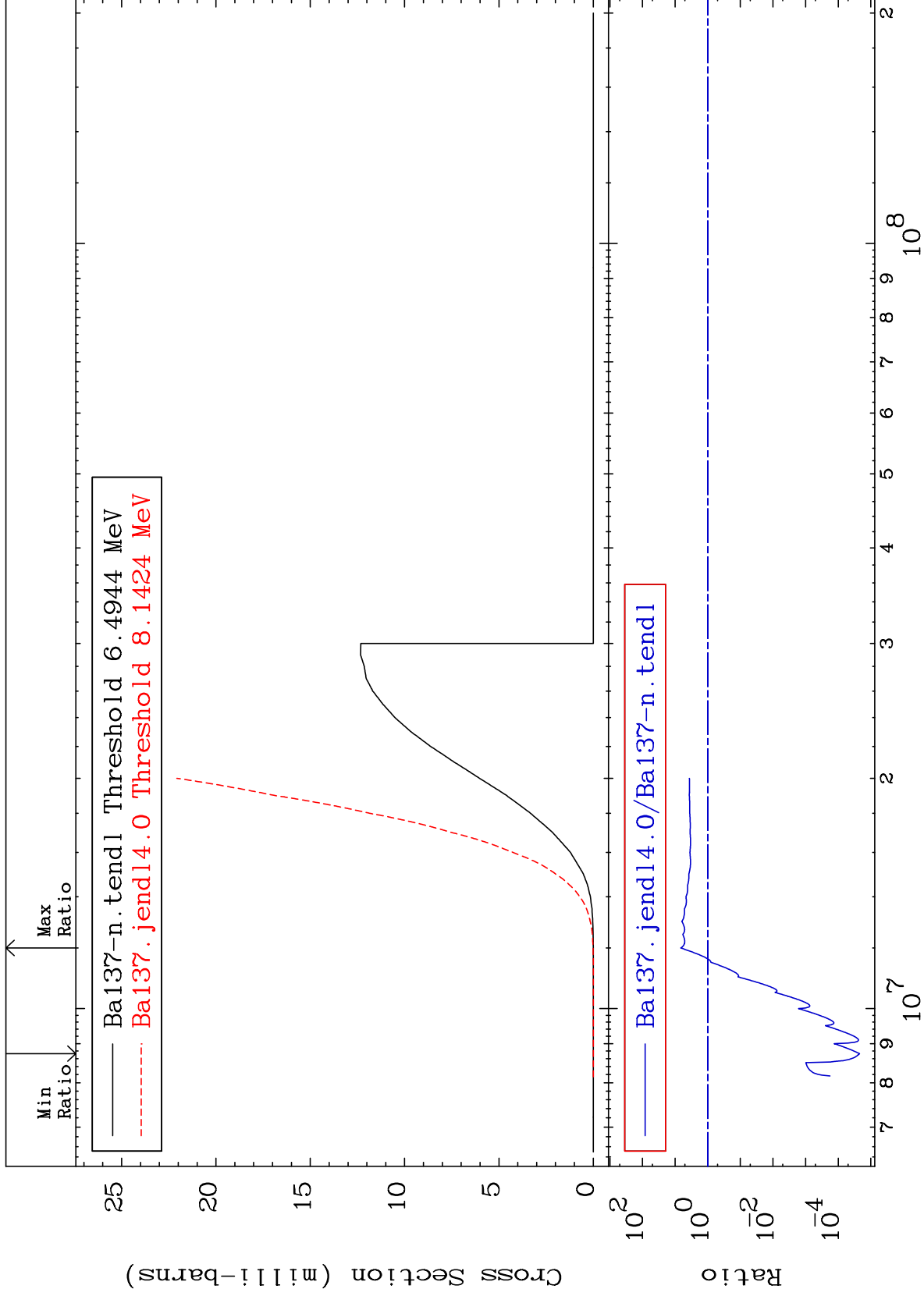
Incident Energy (eV)

56-Ba-137

MAT 5646

(n, d)
Cross Section

56-Ba-137
-100.0 To 570.7 %



20

Incident Energy (eV)

56-Ba-137

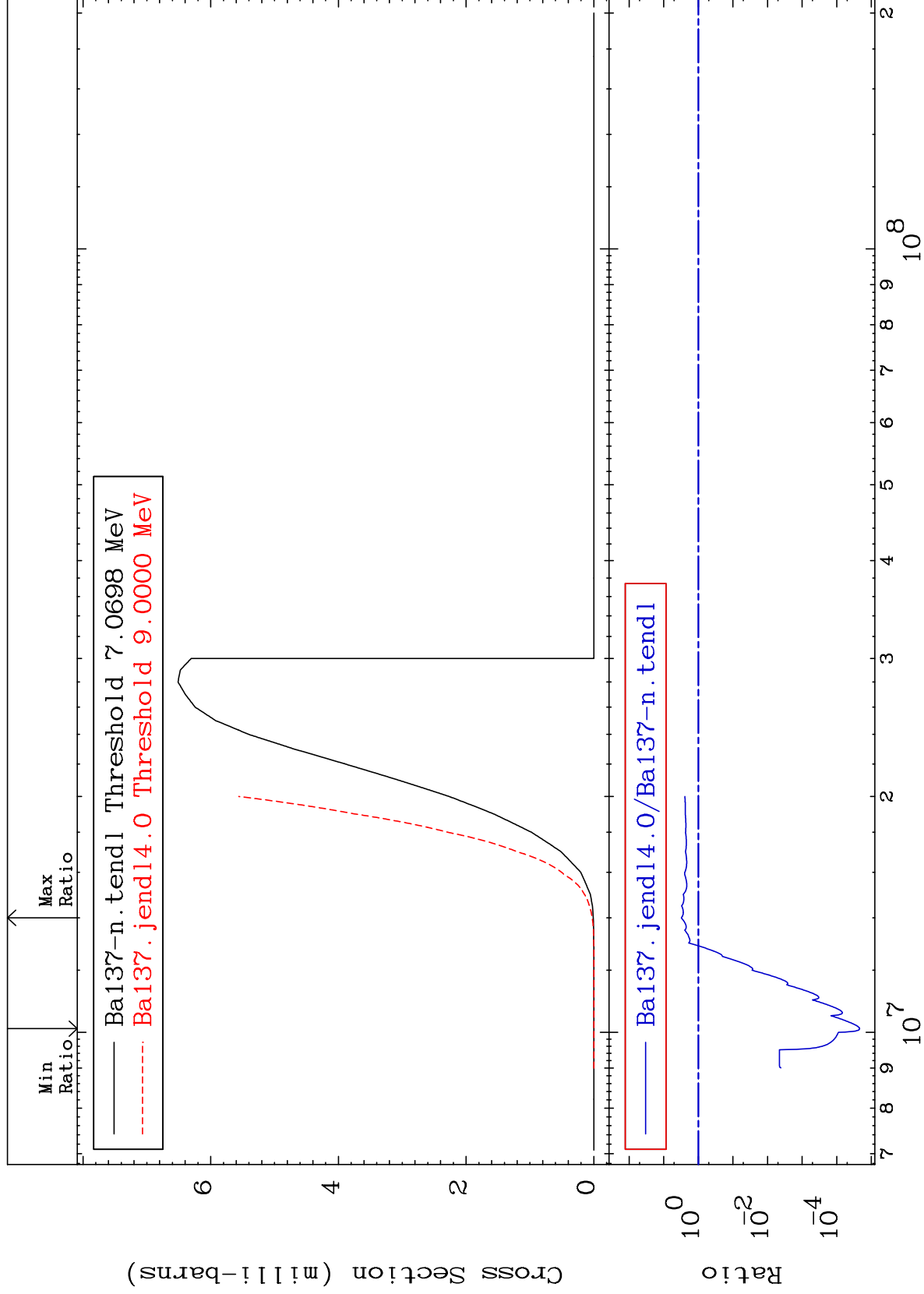
MAT 5646

(n, t)

56-Ba-137

Cross Section

-100.0 To 213.4 %



21

Incident Energy (eV)

56-Ba-137

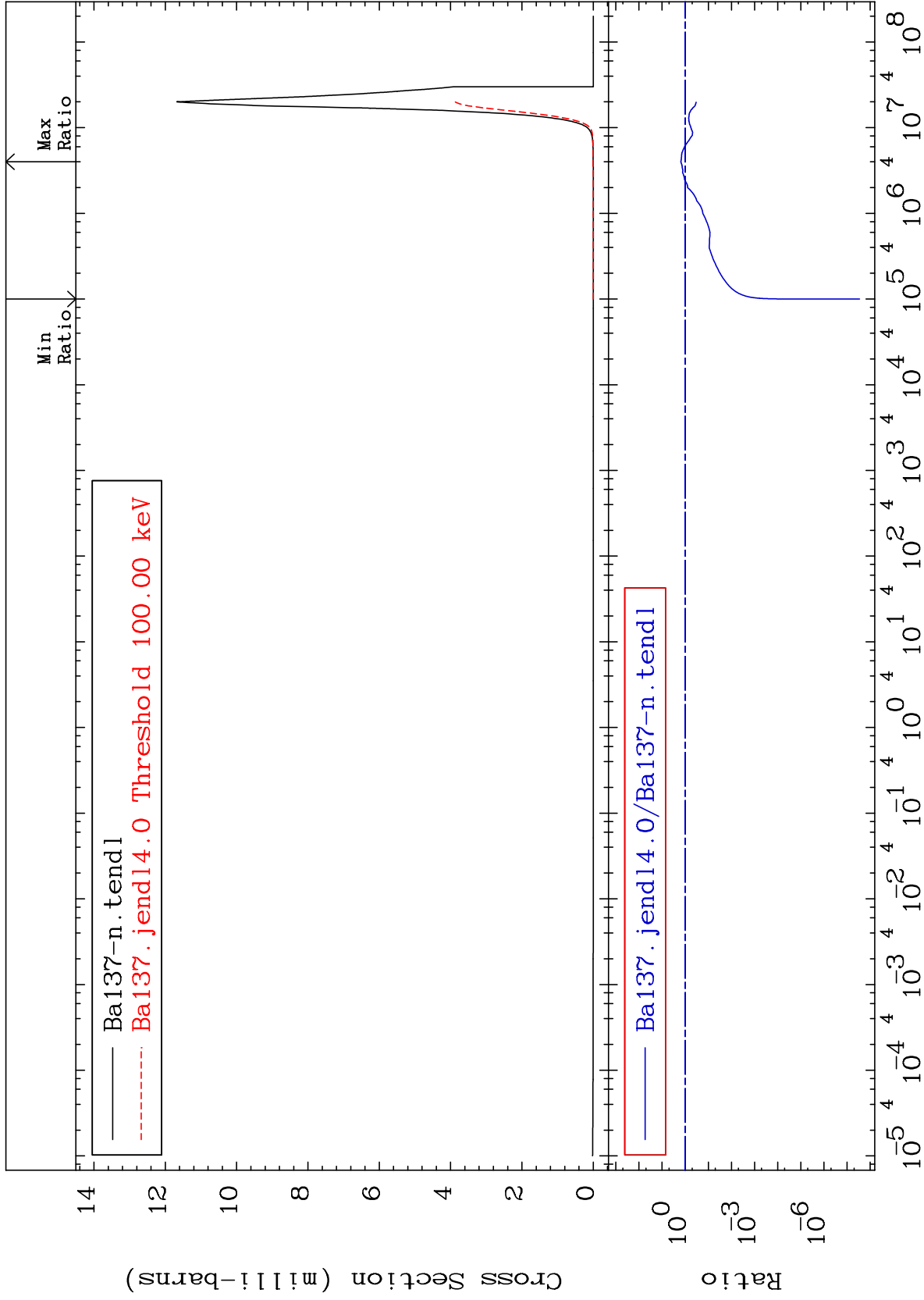
MAT 5646

(n, α)

56-Ba-137

Cross Section

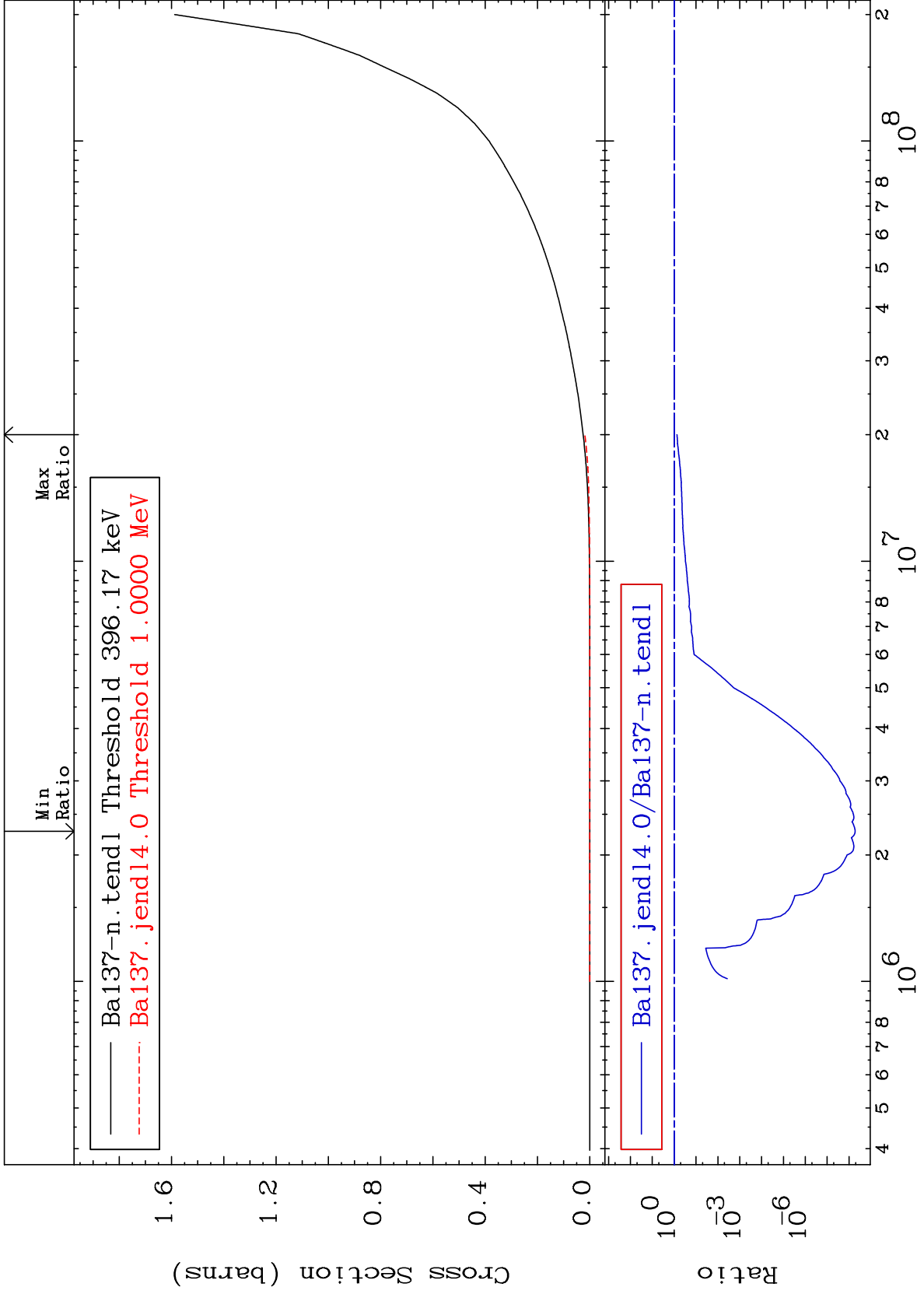
-100.0 To 55.43 %



MAT 5646

Hydrogen Production
Cross Section

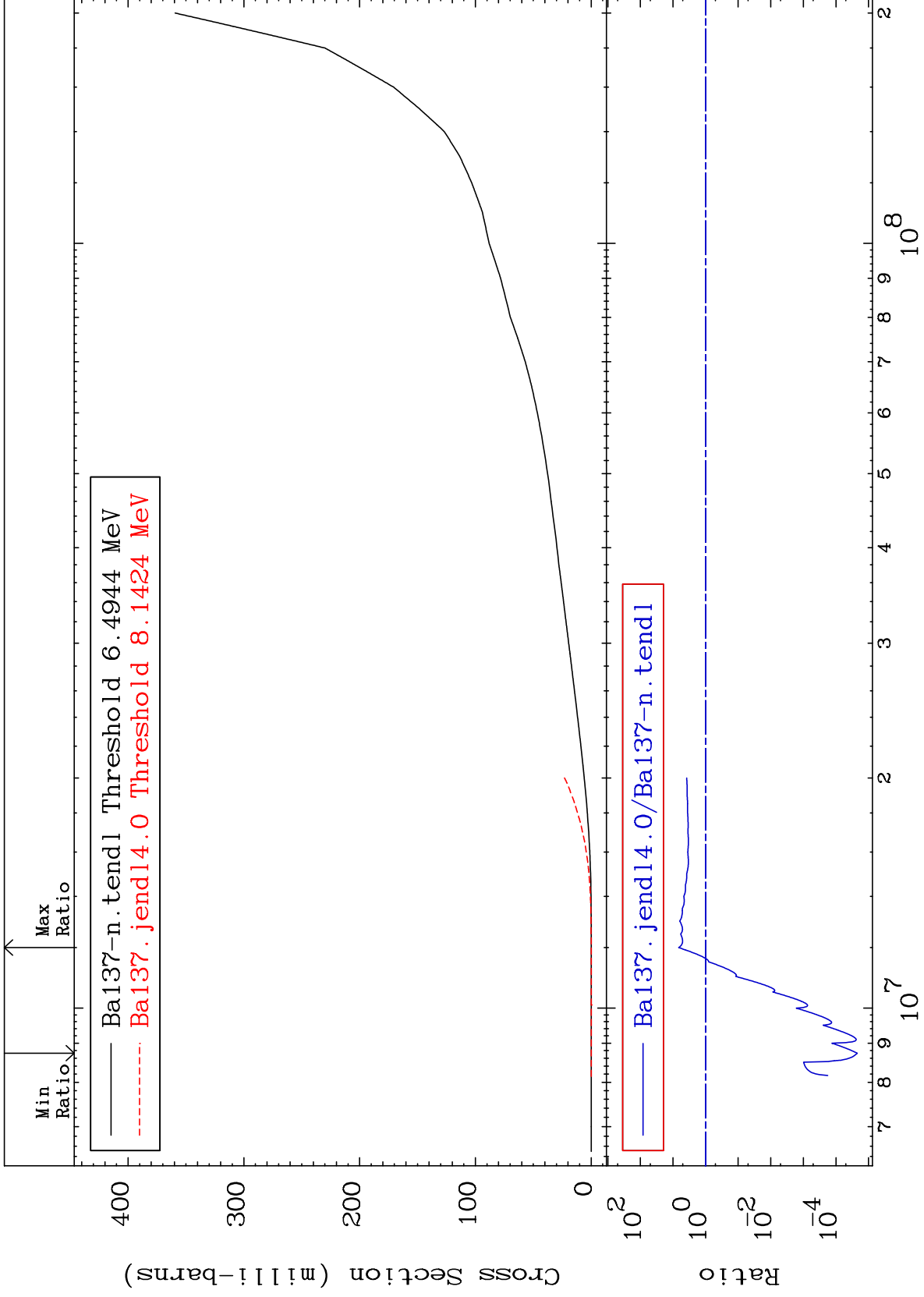
56-Ba-137
-100.0 To -25.52%



MAT 5646

Deuterium Production
Cross Section

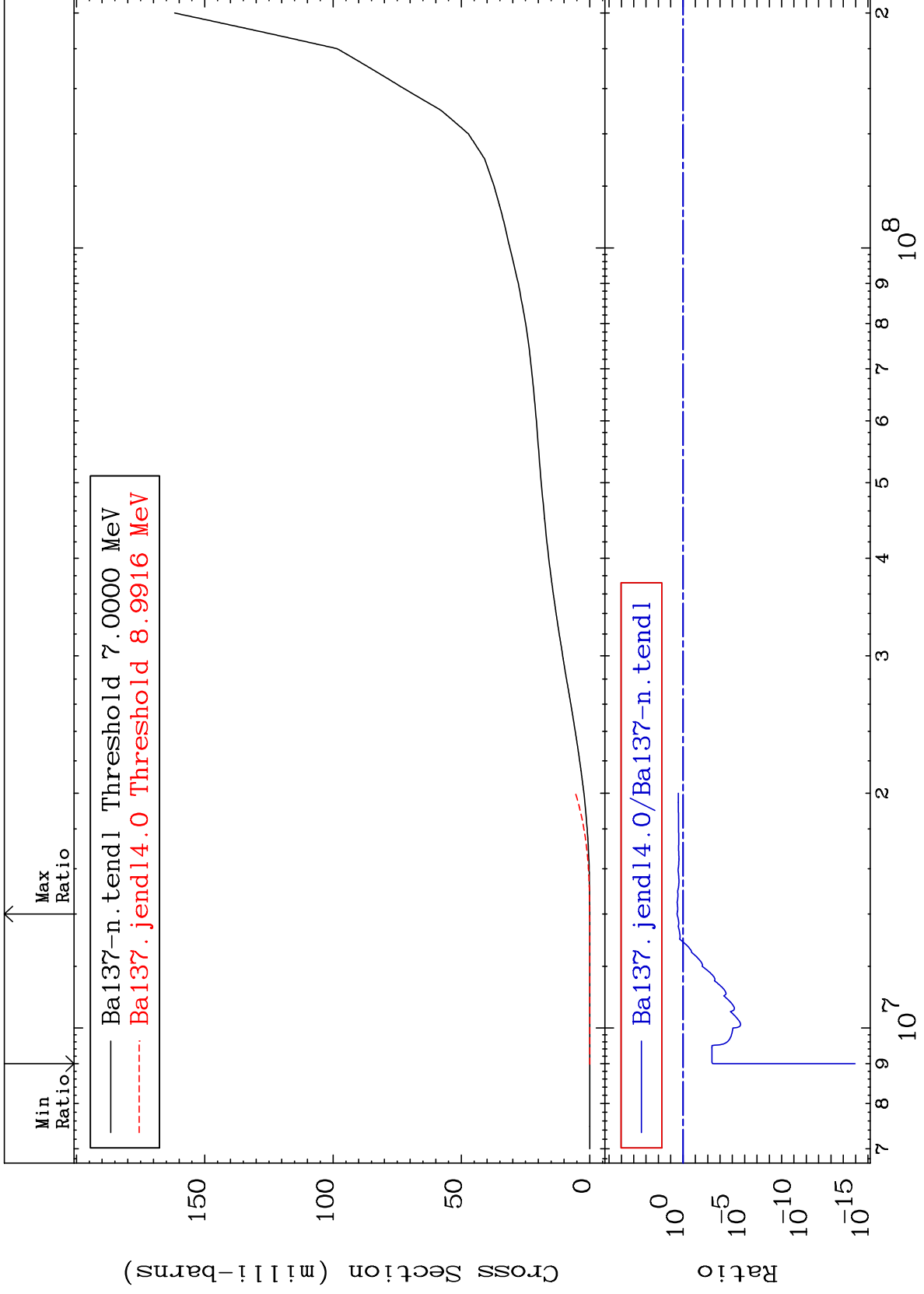
56-Ba-137
-100.0 To 570.7 %



MAT 5646

Tritium Production
Cross Section

56-Ba-137
-100.0 To 213.4 %



25

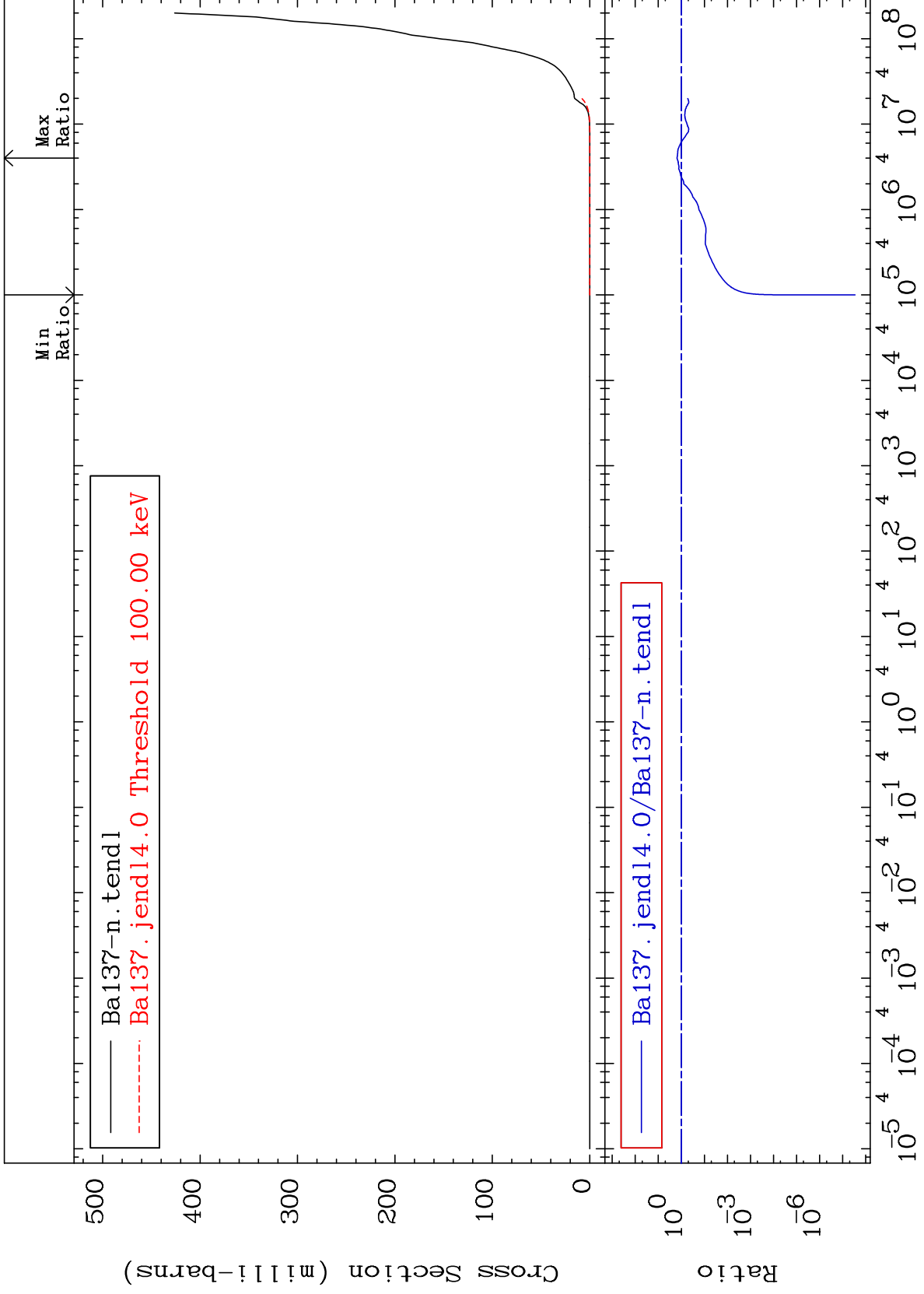
Incident Energy (eV)

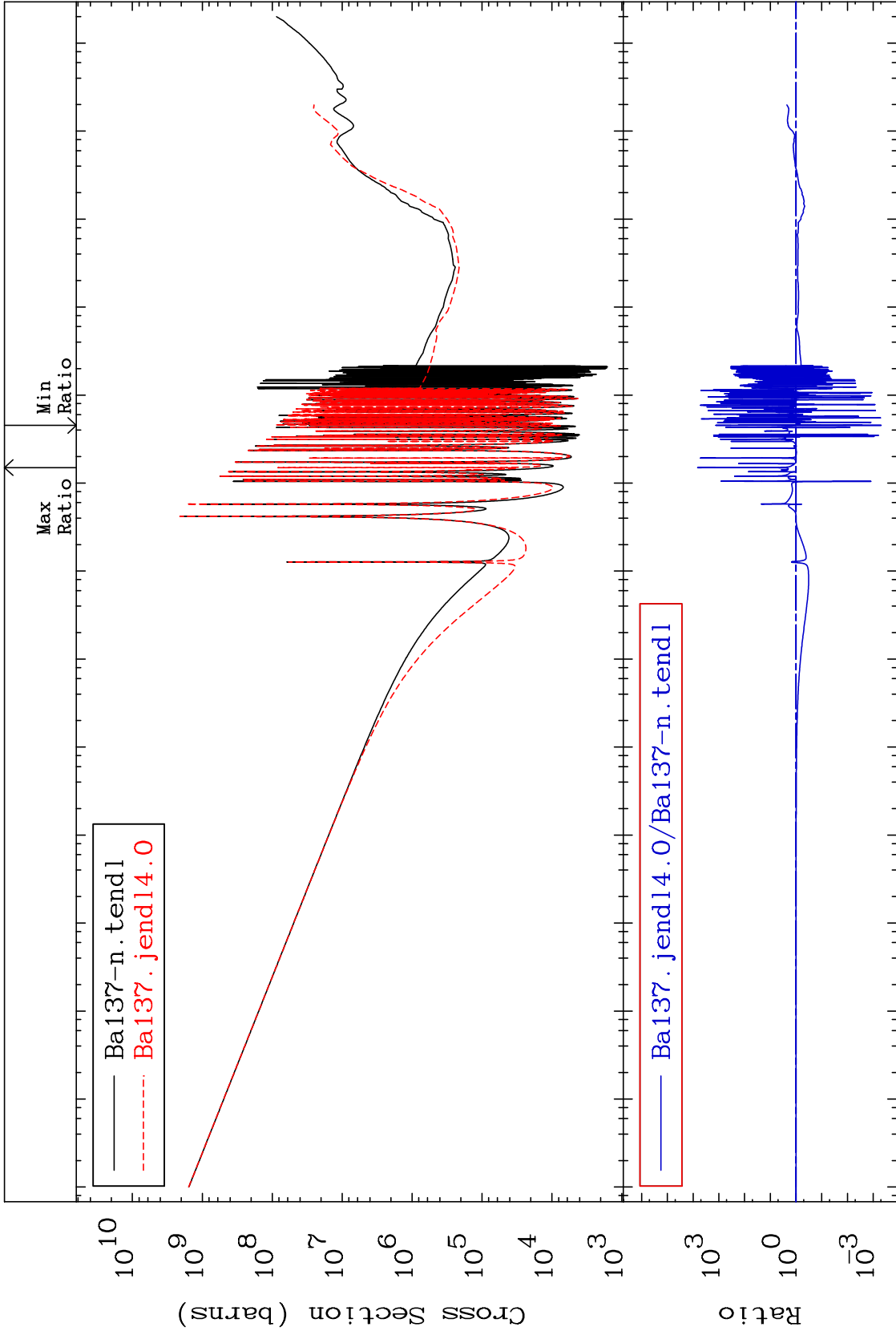
56-Ba-137

MAT 5646

He-4 Production
Cross Section

56-Ba-137
-100.0 To 55.43 %





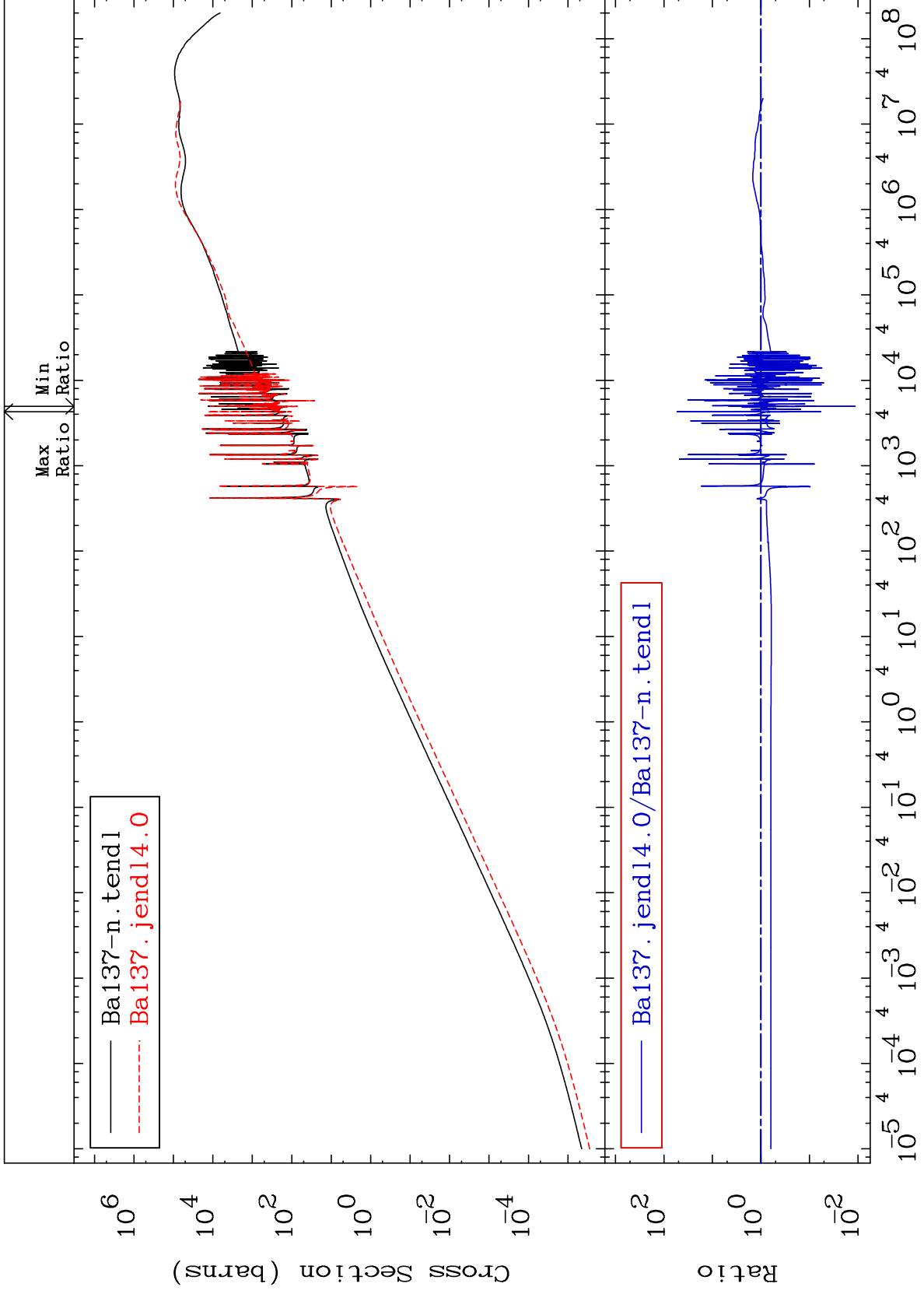
Ba137-n.tendl
Ba137.jendl4.0

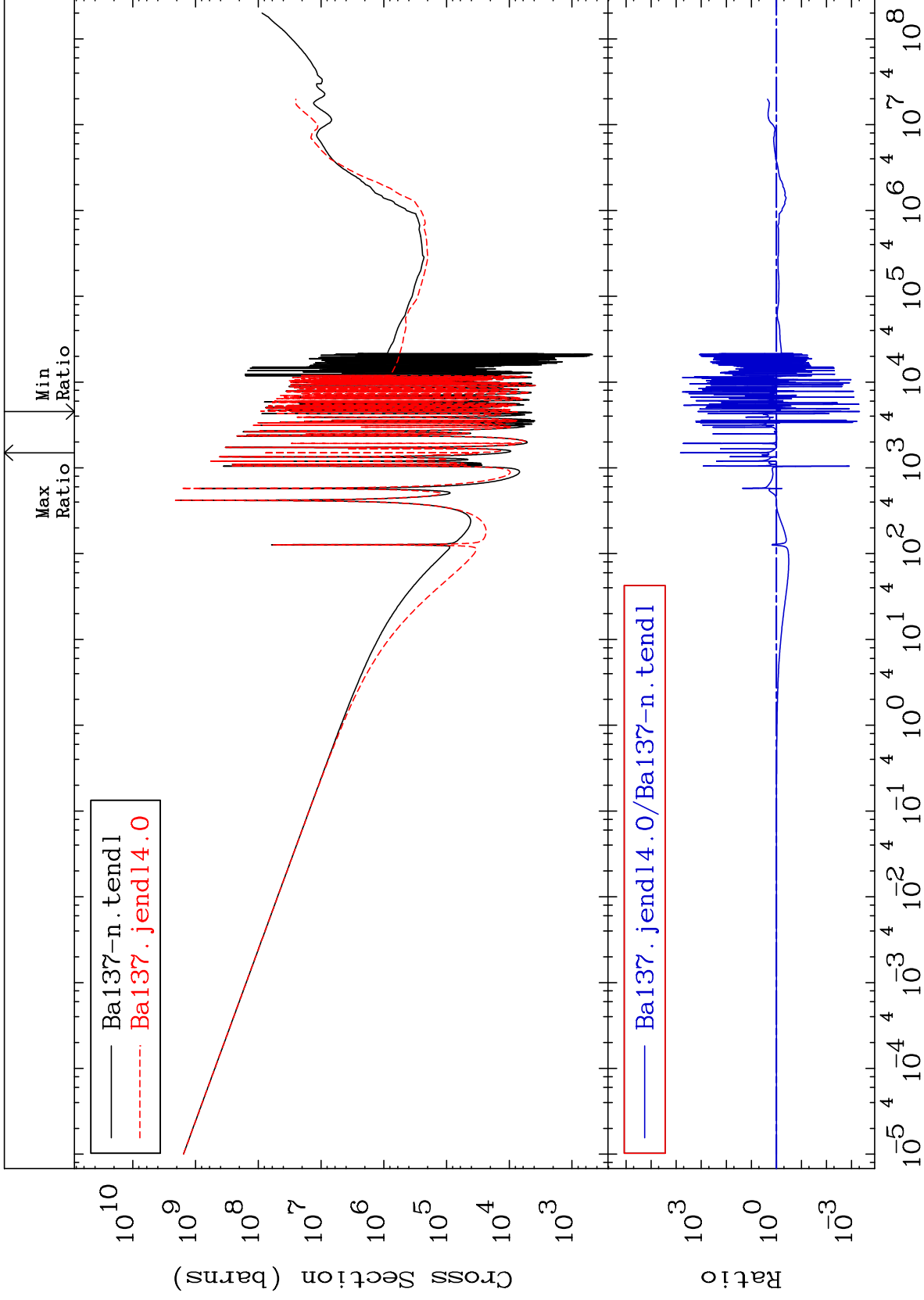
Ba137.jendl4.0/Ba137-n.tendl

MAT 5646

Kerma elastic
Cross Section

56-Ba-137
-98.85 To 5293. %

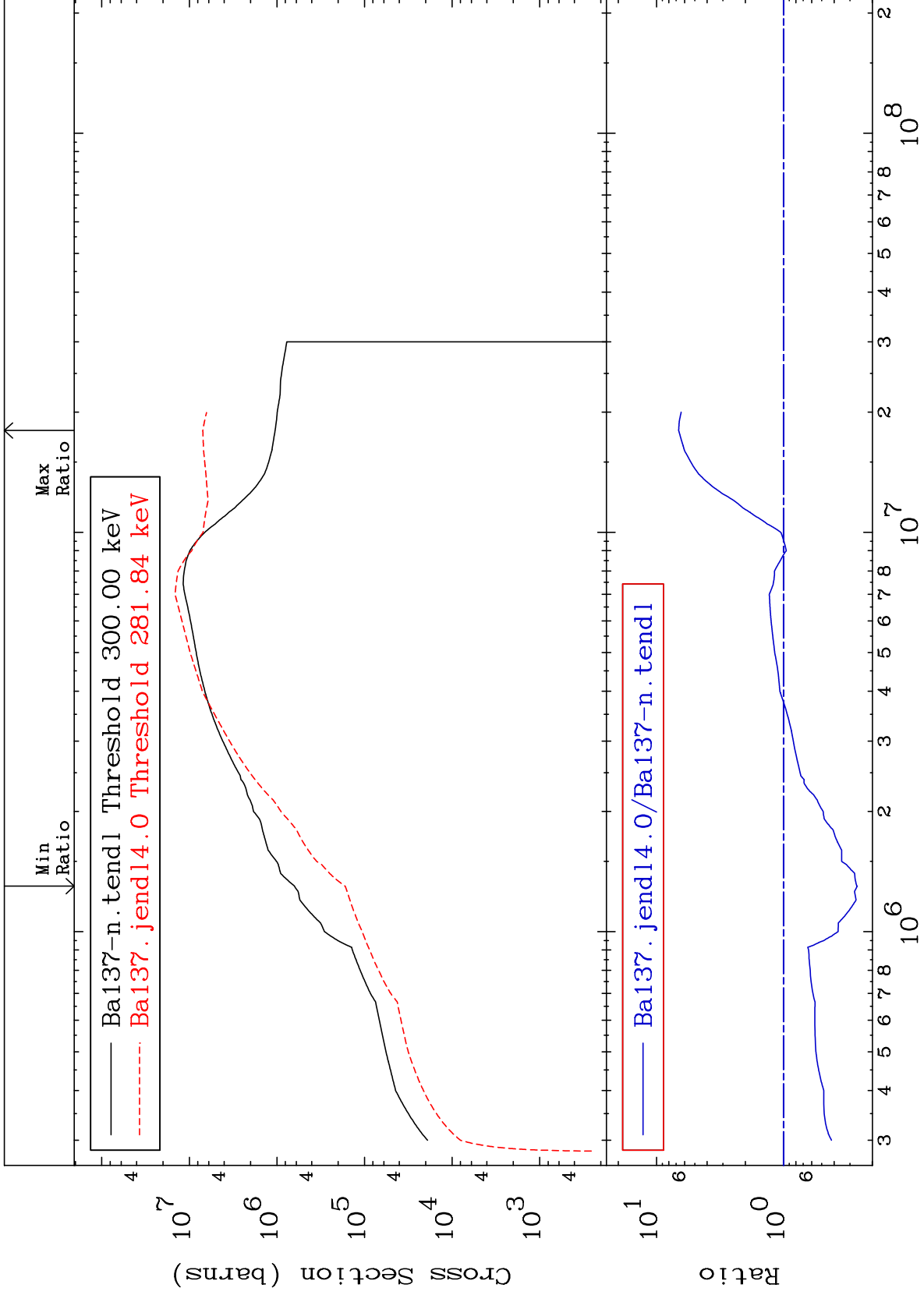




MAT 5646

Kerma inelastic (mt51-91)
Cross Section

56-Ba-137
-73.72 To 569.2 %



30

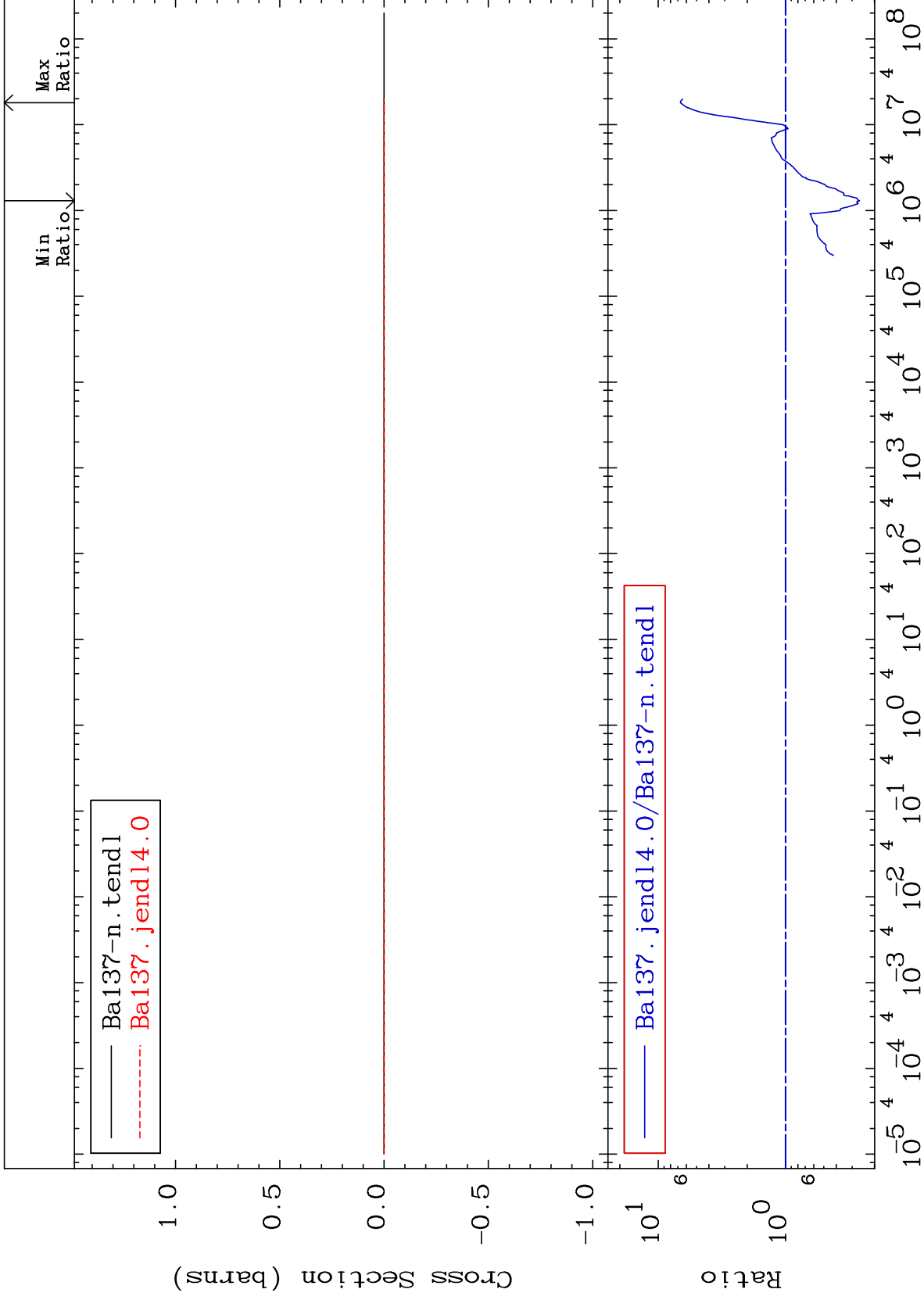
Incident Energy (eV)

56-Ba-137

MAT 5646

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

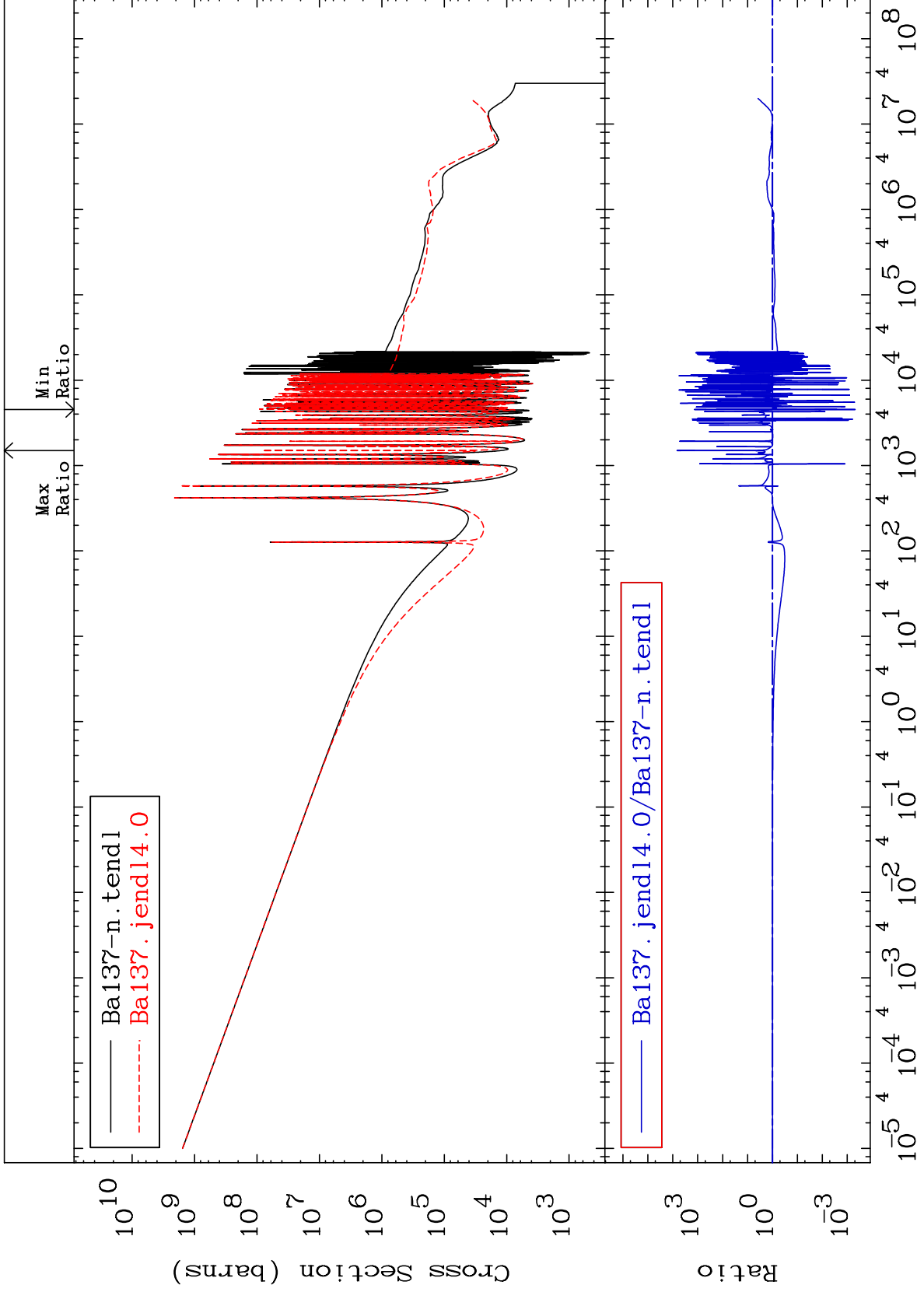
56-Ba-137
-73.72 To 569.2 %

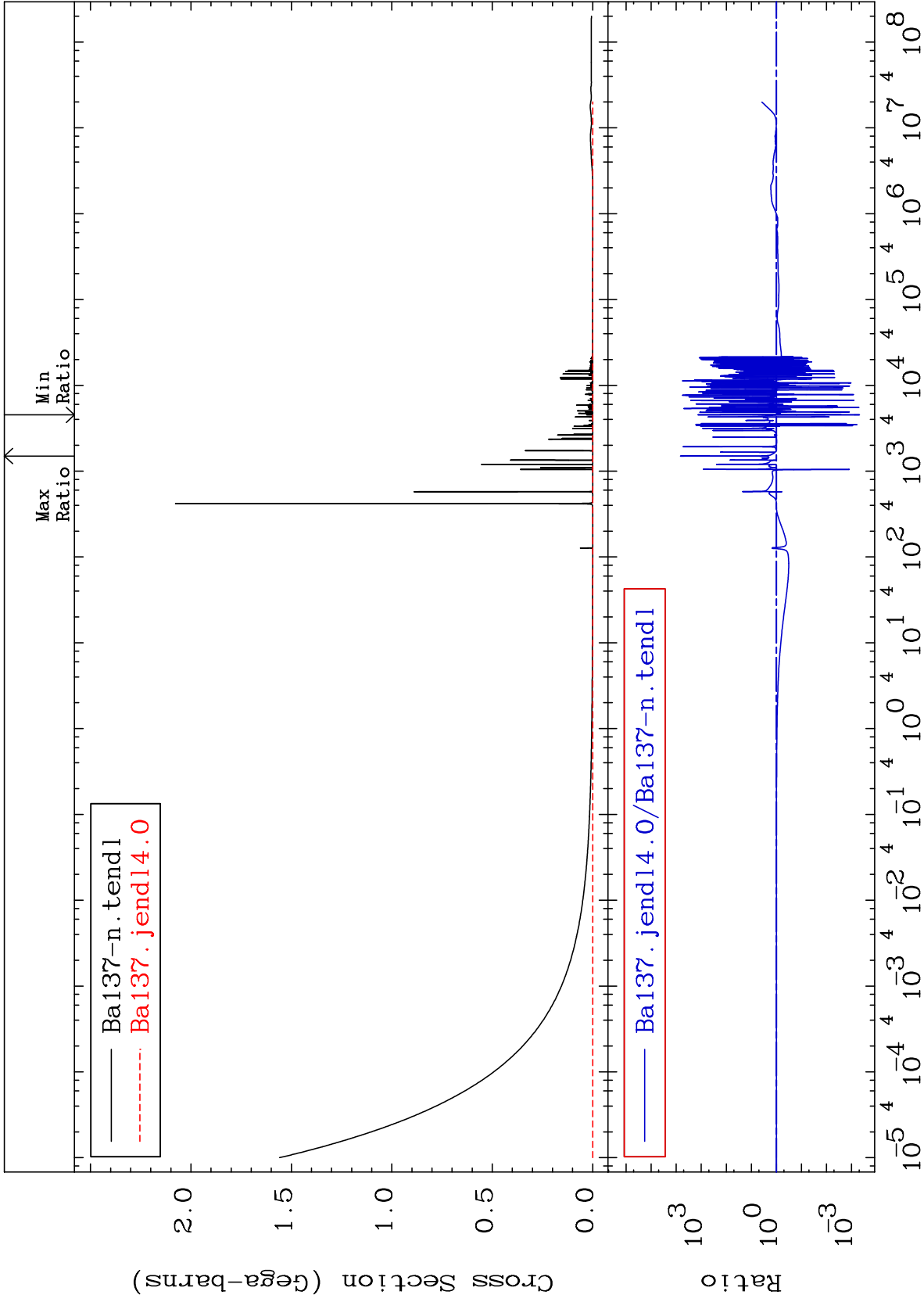


MAT 5646

Kerma capture (mt102)
Cross Section

56-Ba-137
-99.95 To 9999. %





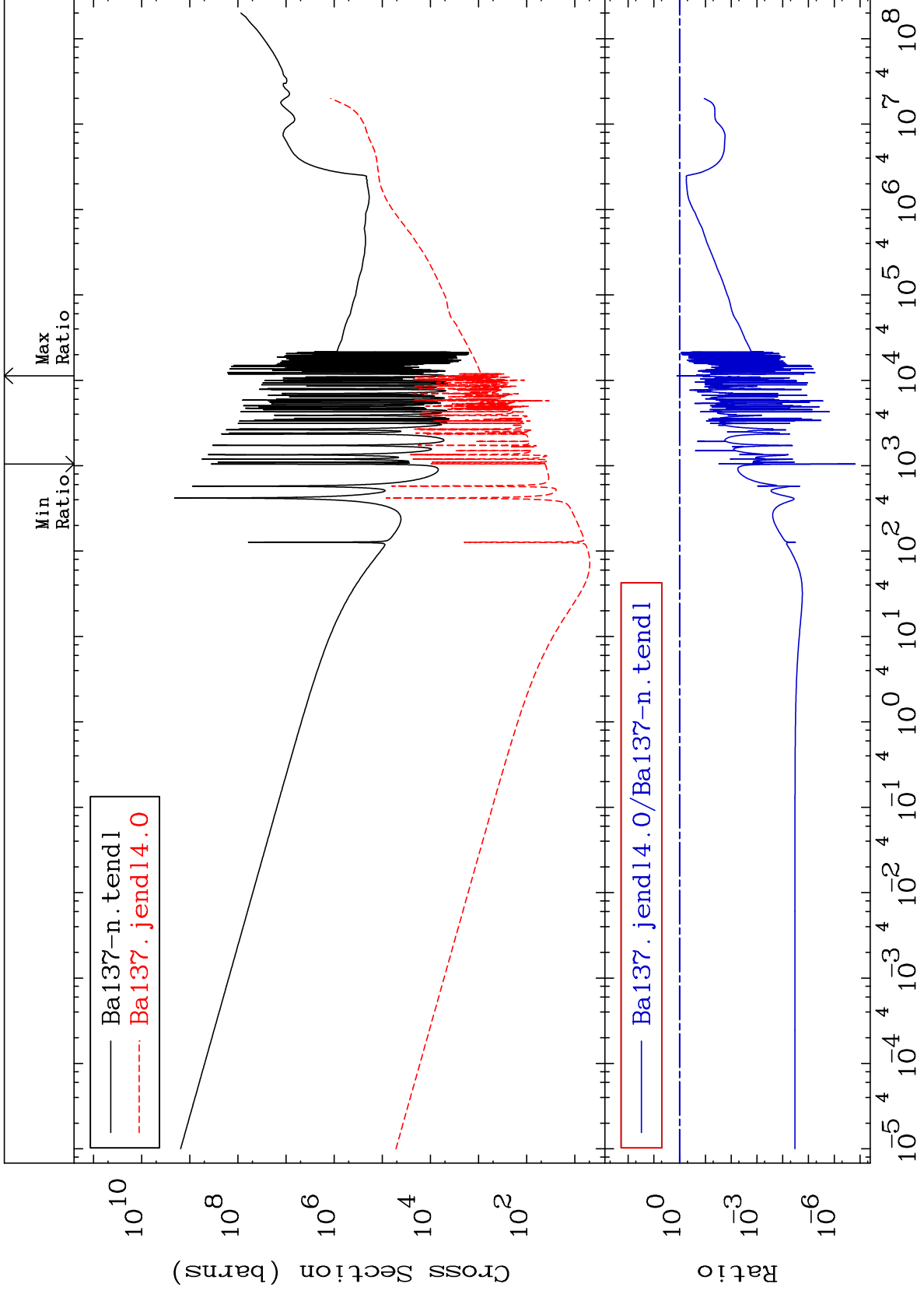
Ba137-n.tendl
Ba137.jendl4.0

Ba137.jendl4.0/Ba137-n.tendl

MAT 5646

Total kinematic kerma (high limit)
Cross Section

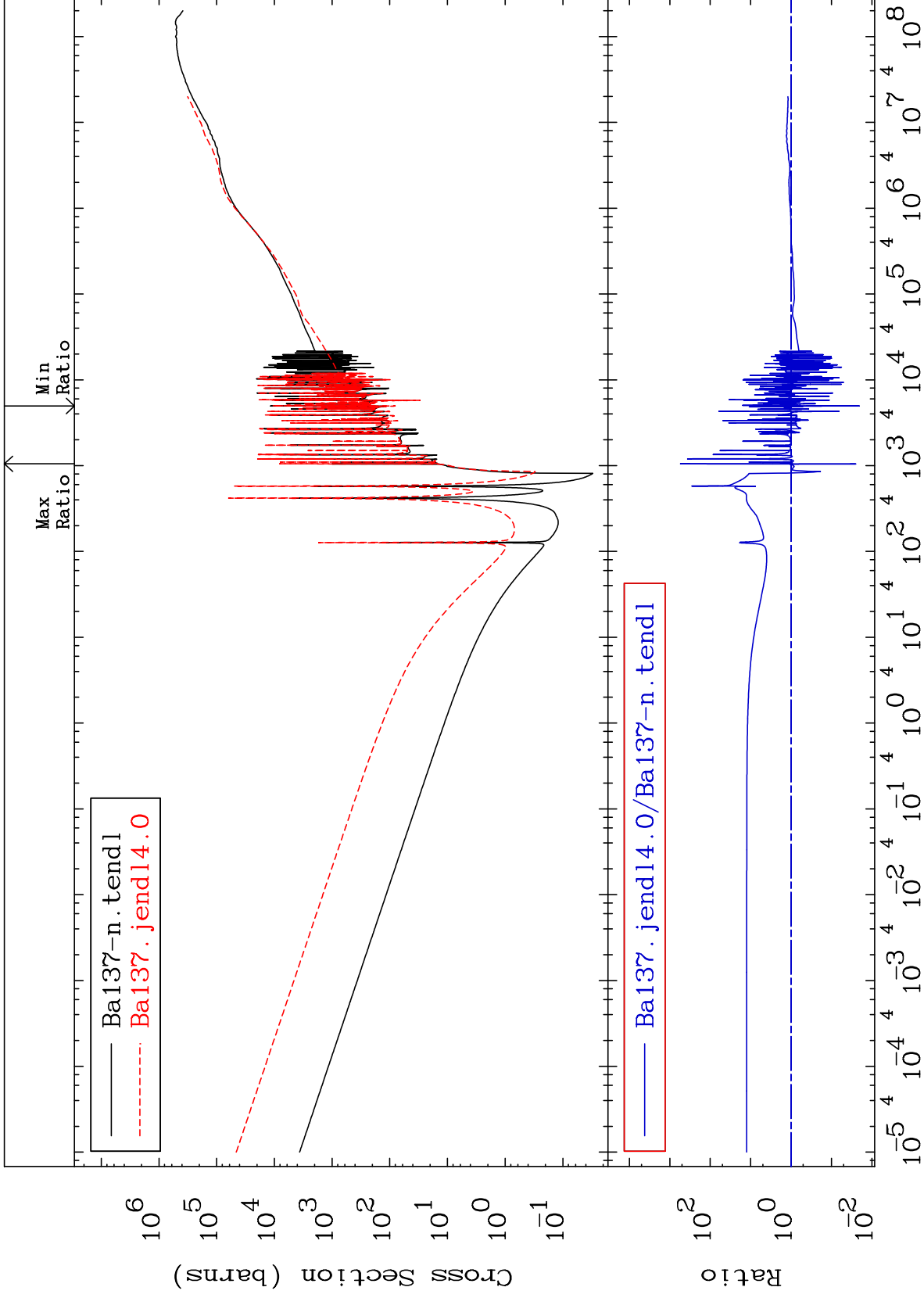
56-Ba-137
-100.0 To 27.48 %



MAT 5646

Dpa total (eV-barns)
Cross Section

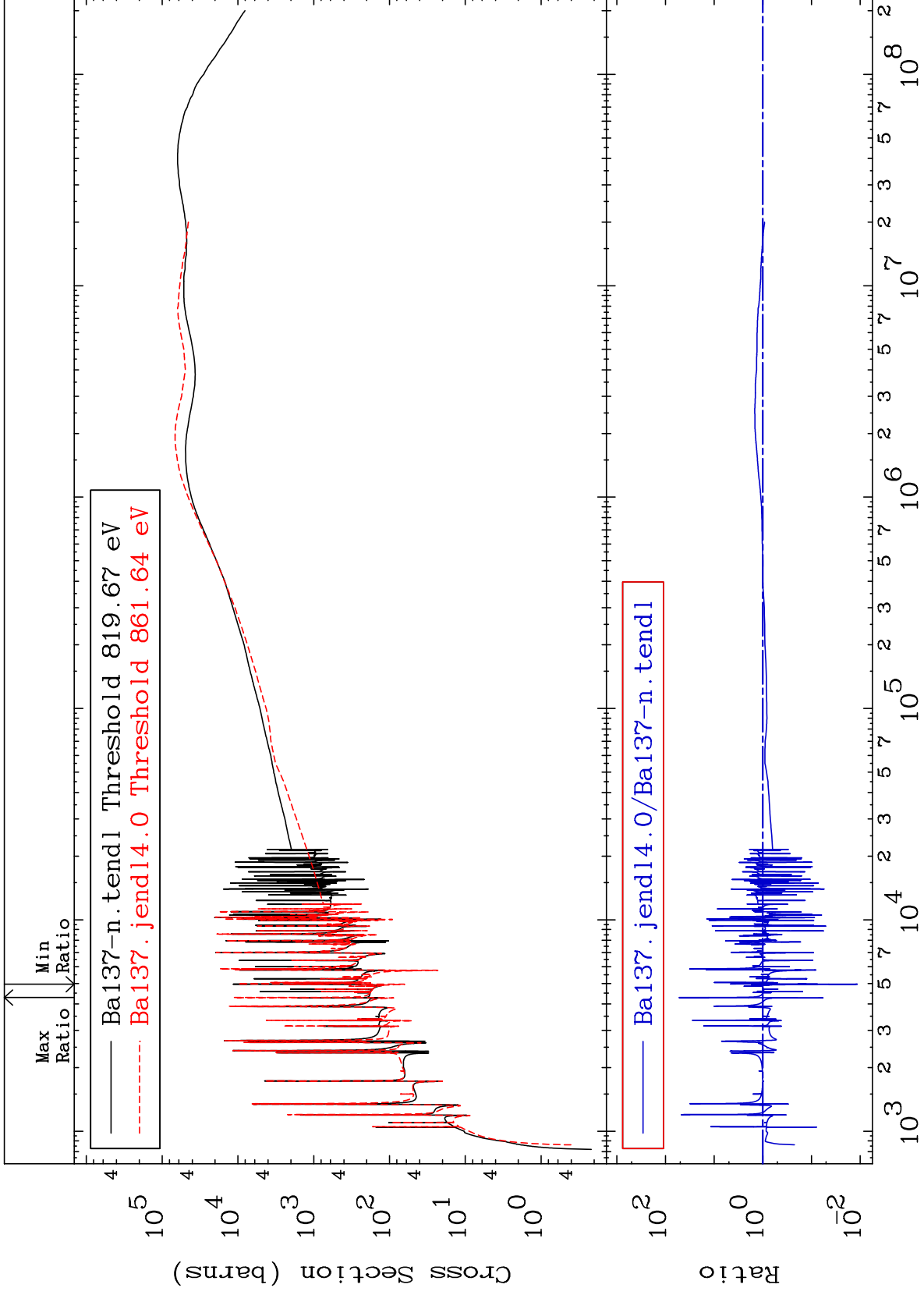
56-Ba-137
-97.96 To 9999. %



MAT 5646

Dpa elastic (mt2)
Cross Section

56-Ba-137
-98.85 To 5275. %



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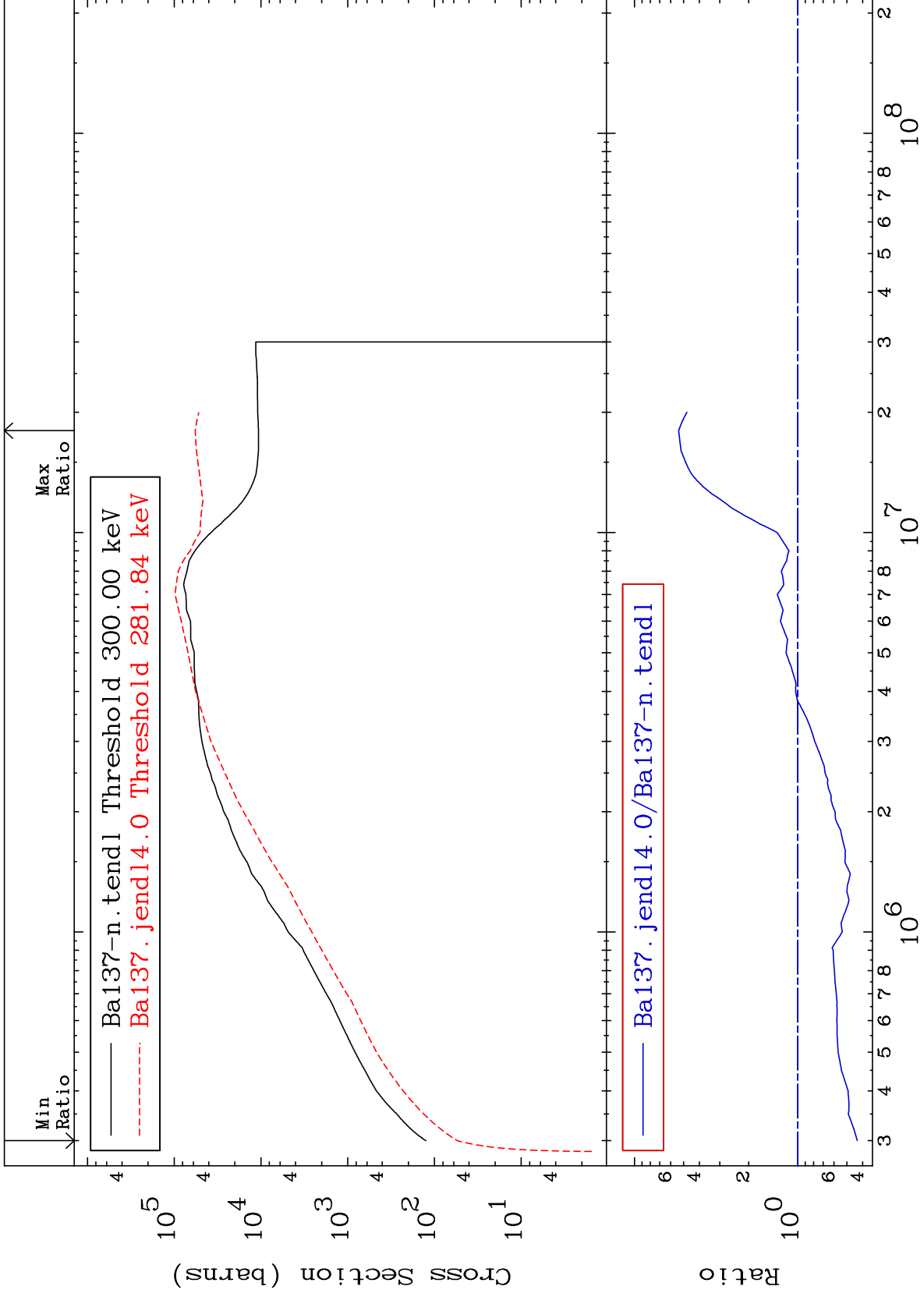
Incident Energy (eV)

56-Ba-137

MAT 5646

Dpa inelastic (mt51-91)
Cross Section

56-Ba-137
-56.79 To 436.4 %



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Incident Energy (eV)

56-Ba-137

MAT 5646

Dpa disappearance (mt102 -120)
Cross Section

56-Ba-137
-99.28 To 9999. %

