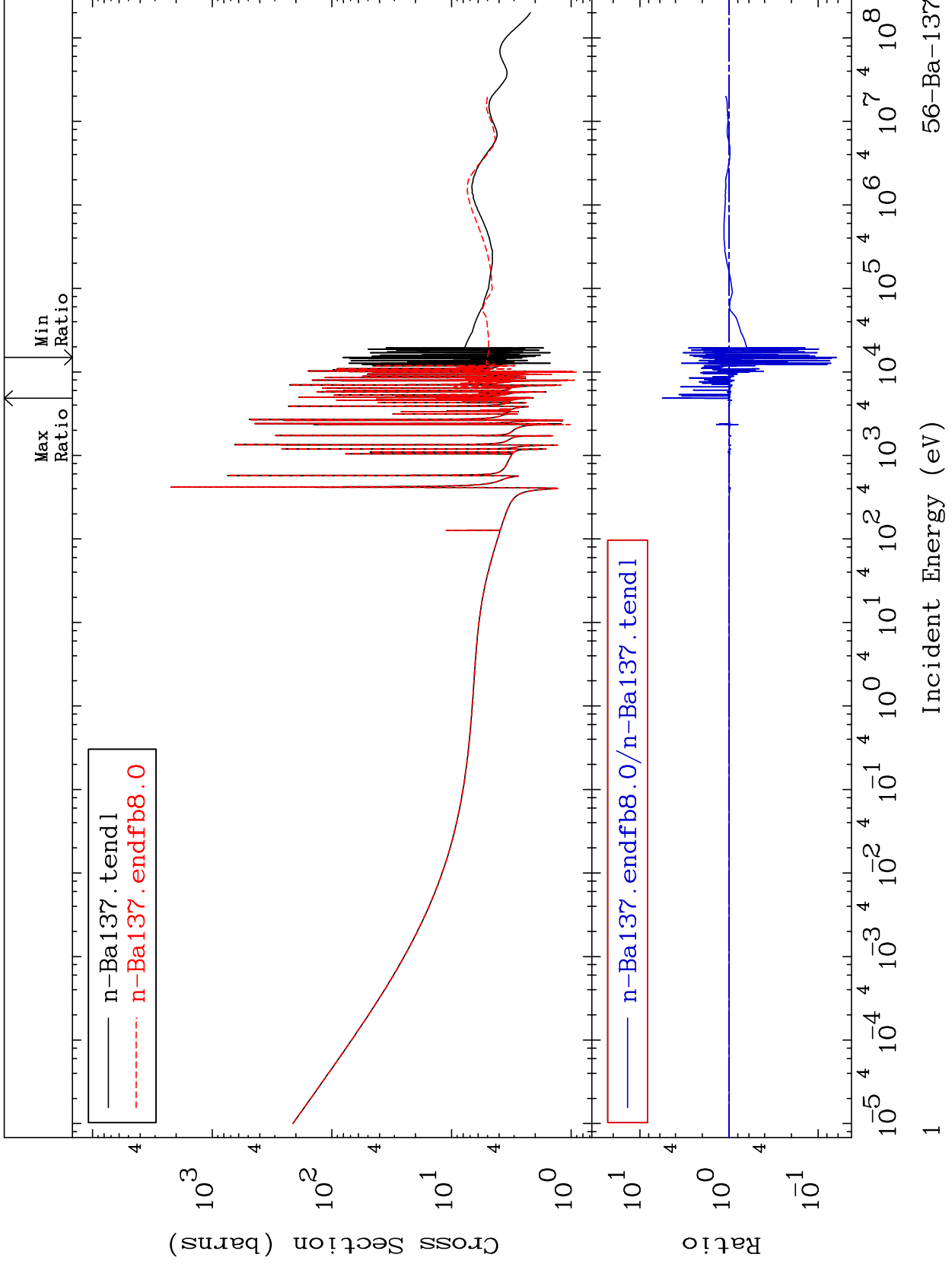


MAT 5646

Total
Cross Section

56-Ba-137
-93.79 To 461.9 %

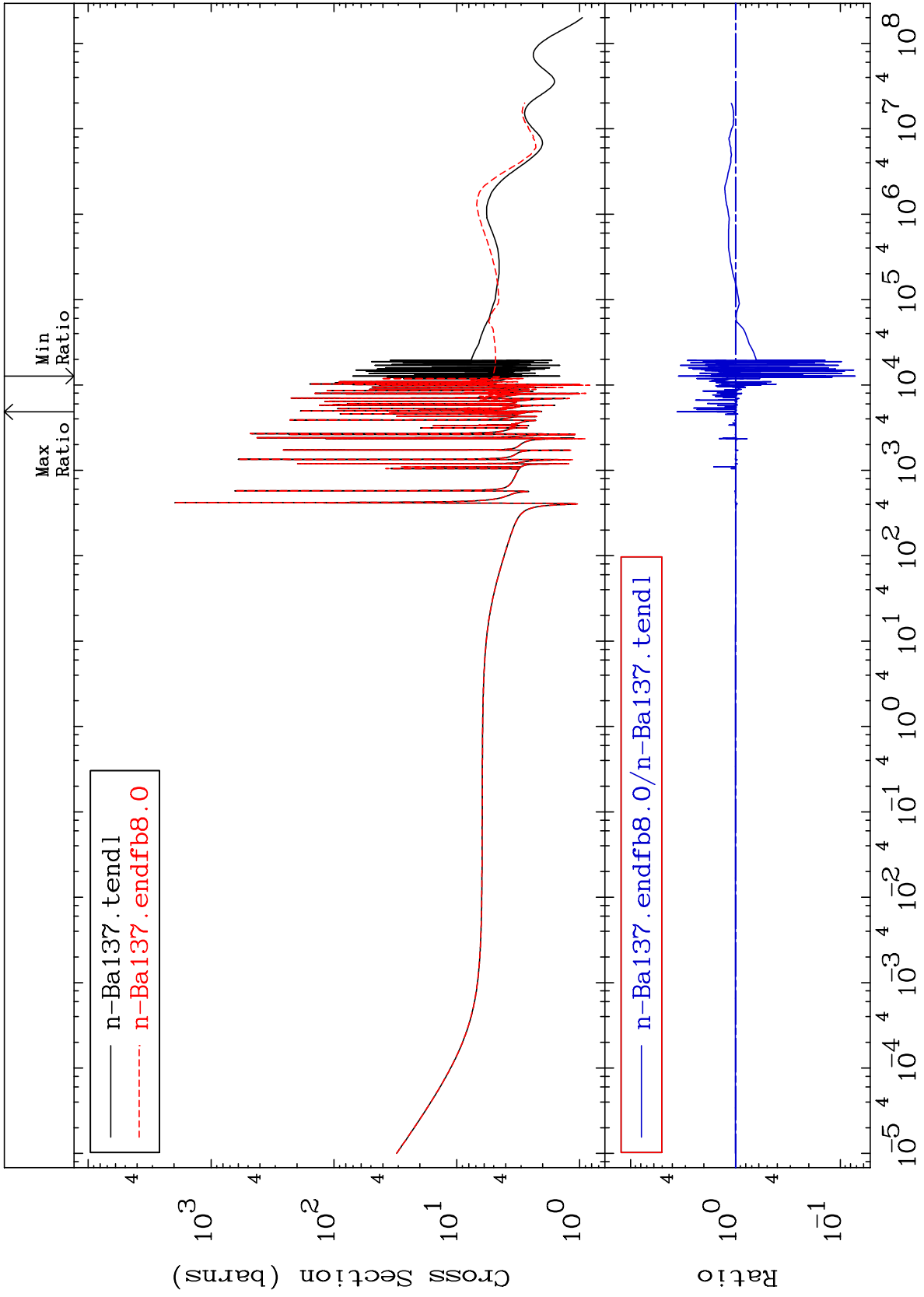


56-Ba-137

MAT 5646

Elastic
Cross Section

56-Ba-137
-92.76 To 262.0 %



Incident Energy (eV)

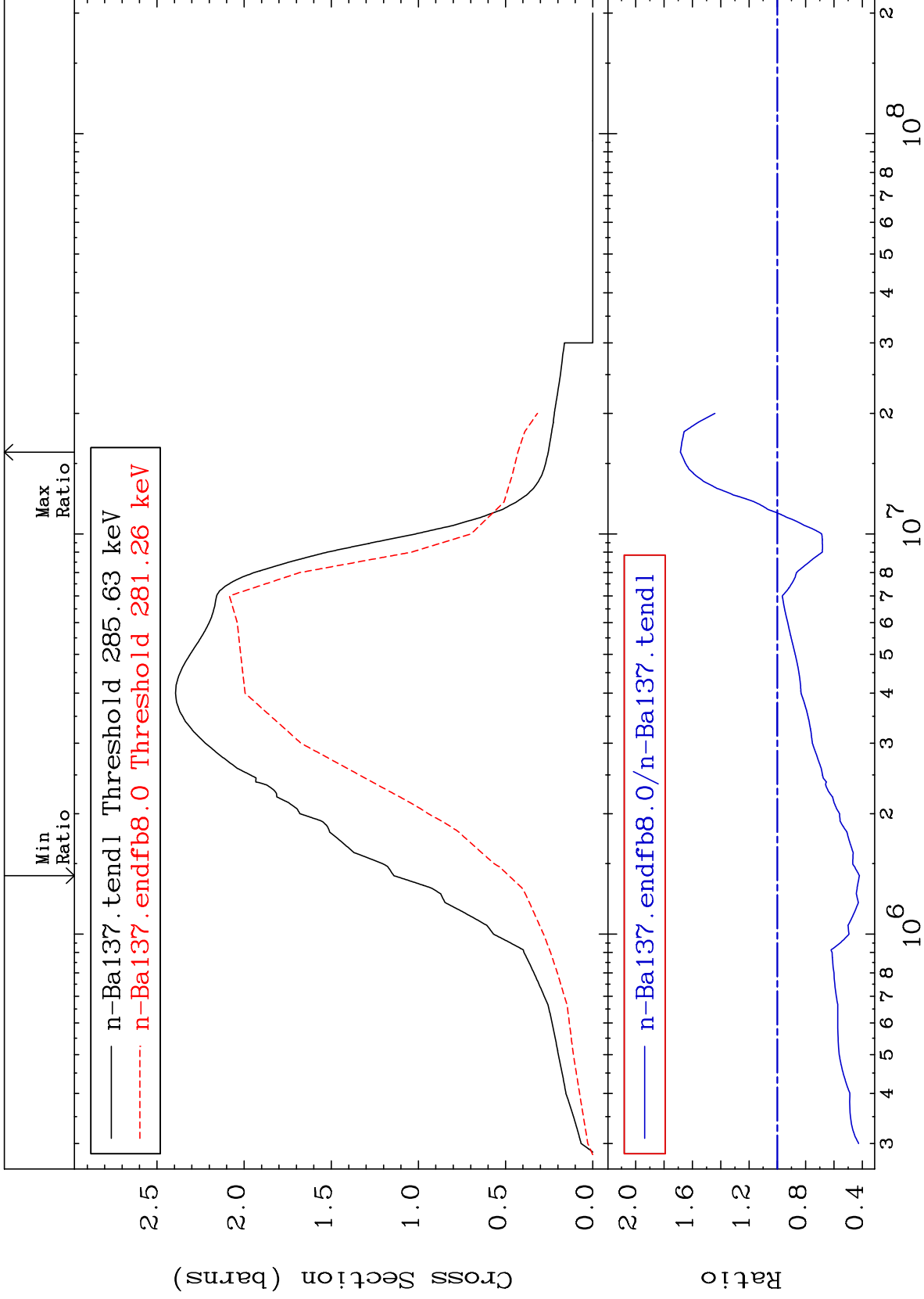
56-Ba-137

2

MAT 5646

Inelastic
Cross Section

56-Ba-137
-57.88 To 68.43 %



3

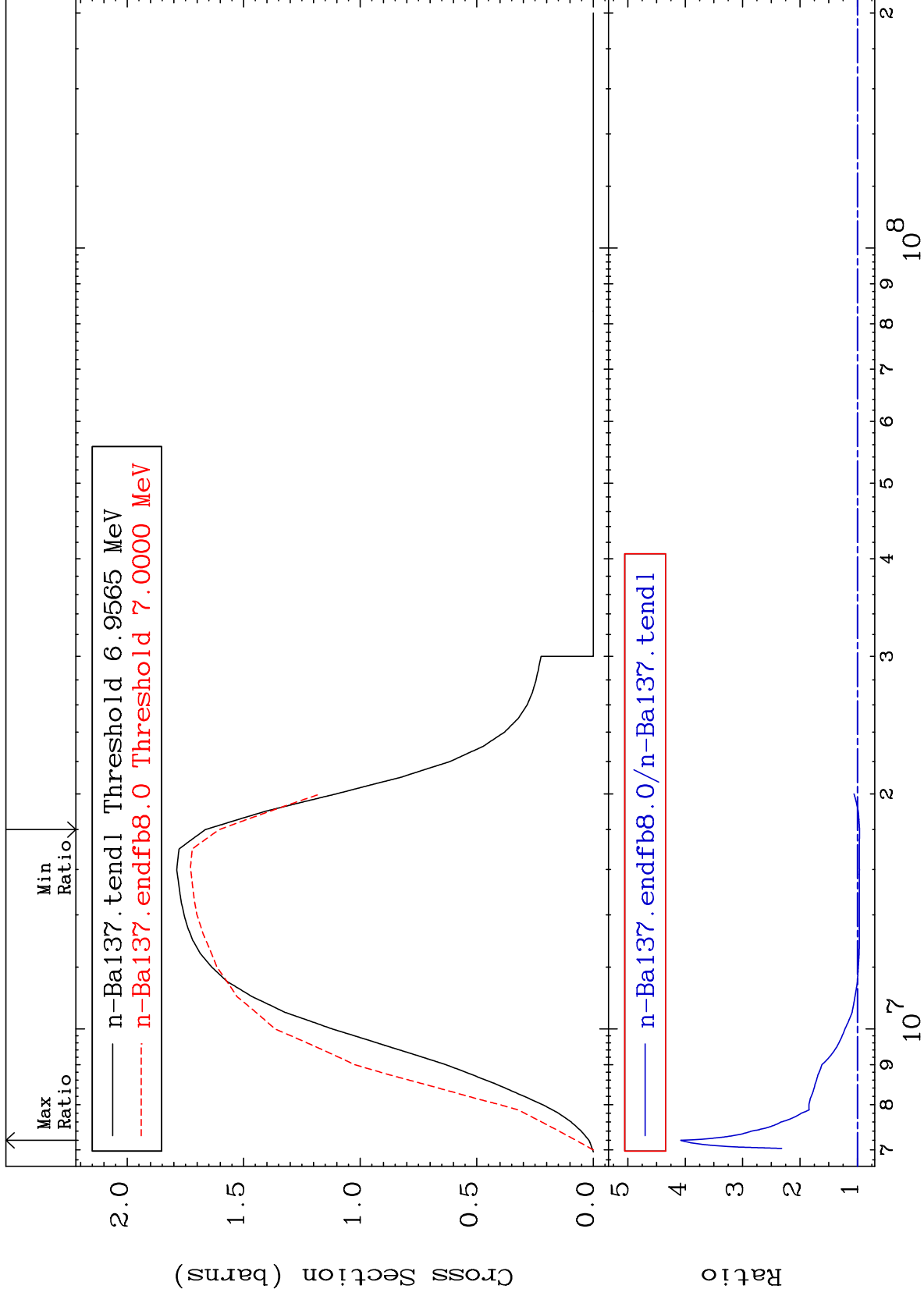
Incident Energy (eV)

56-Ba-137

MAT 5646

(n,2n)
Cross Section

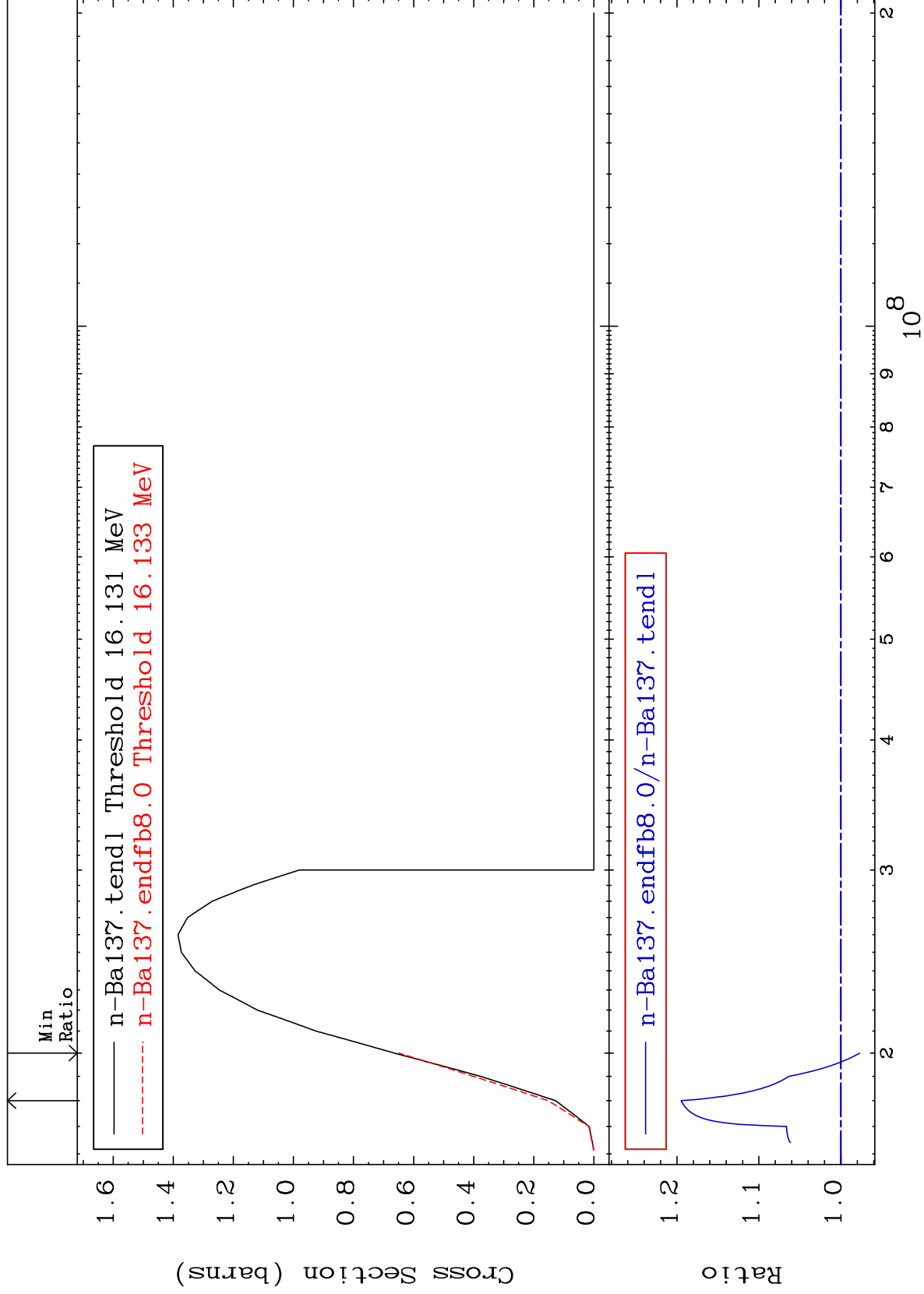
56-Ba-137
-3.556 To 307.7 %



MAT 5646

(n,3n)
Cross Section

56-Ba-137
-2.285 To 19.49 %

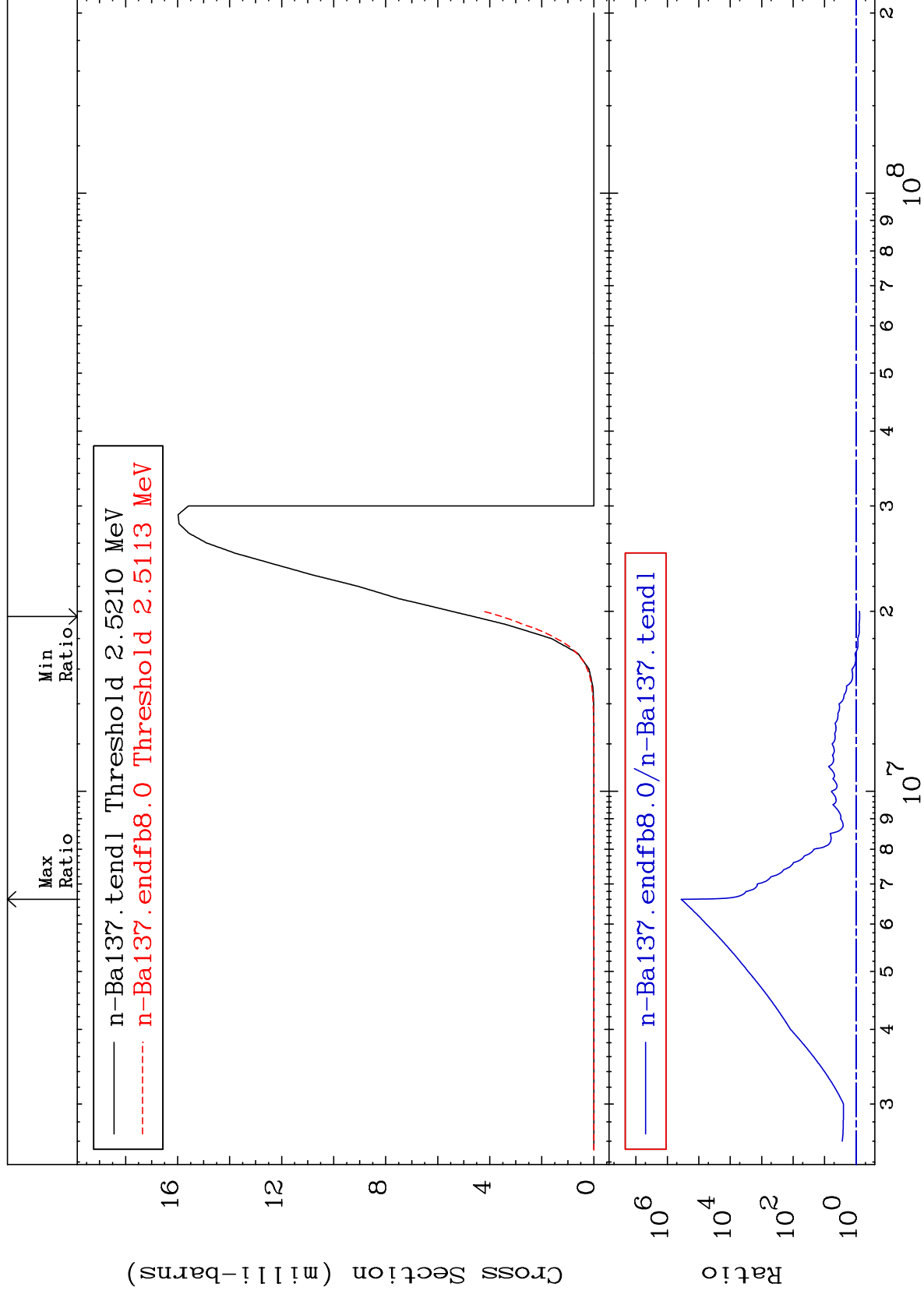


MAT 5646

56-Ba-137

(n, n') α

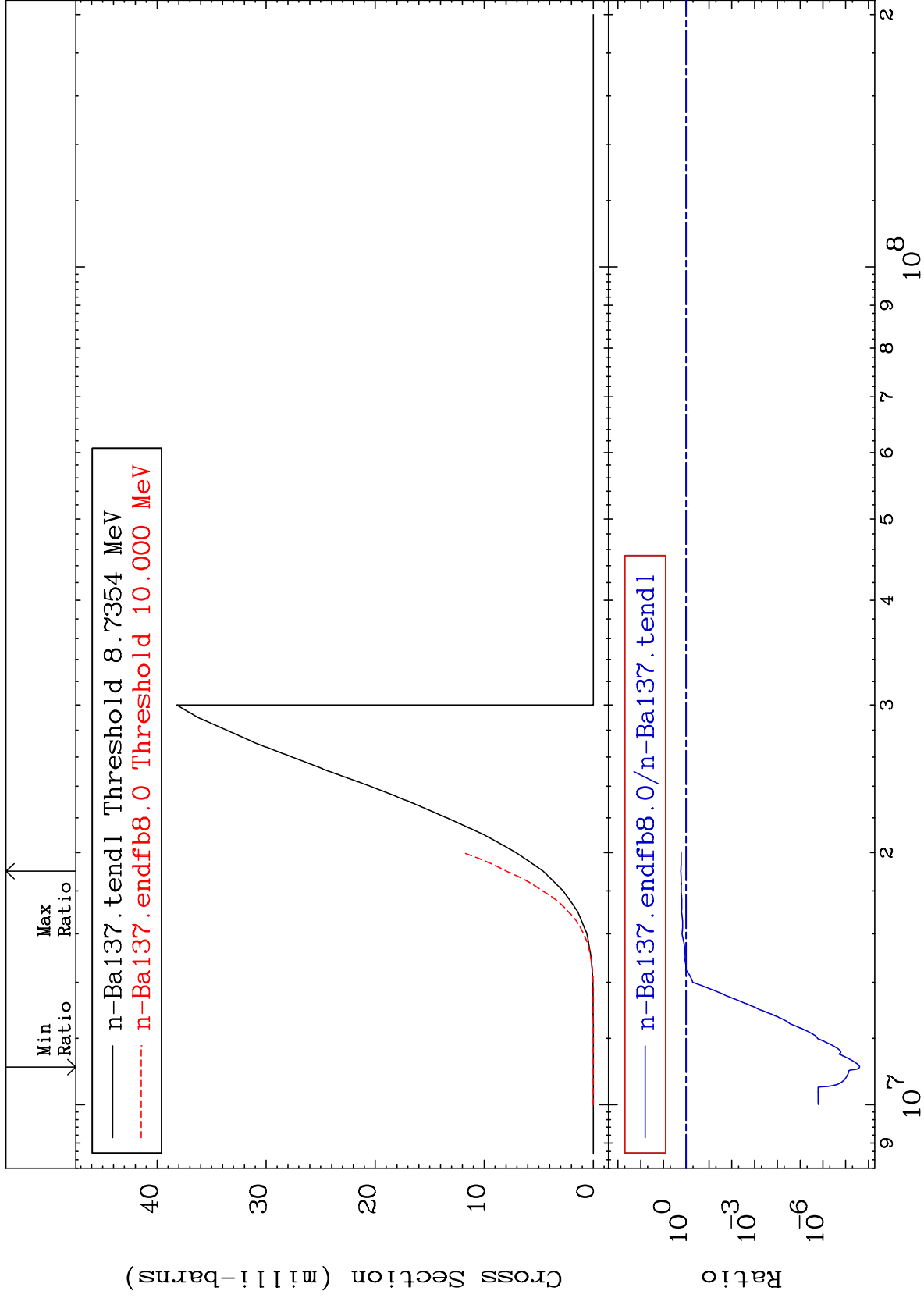
-23.23 To 9999. %



MAT 5646

(n,n') p
Cross Section

56-Ba-137
-100.0 To 73.68 %



7

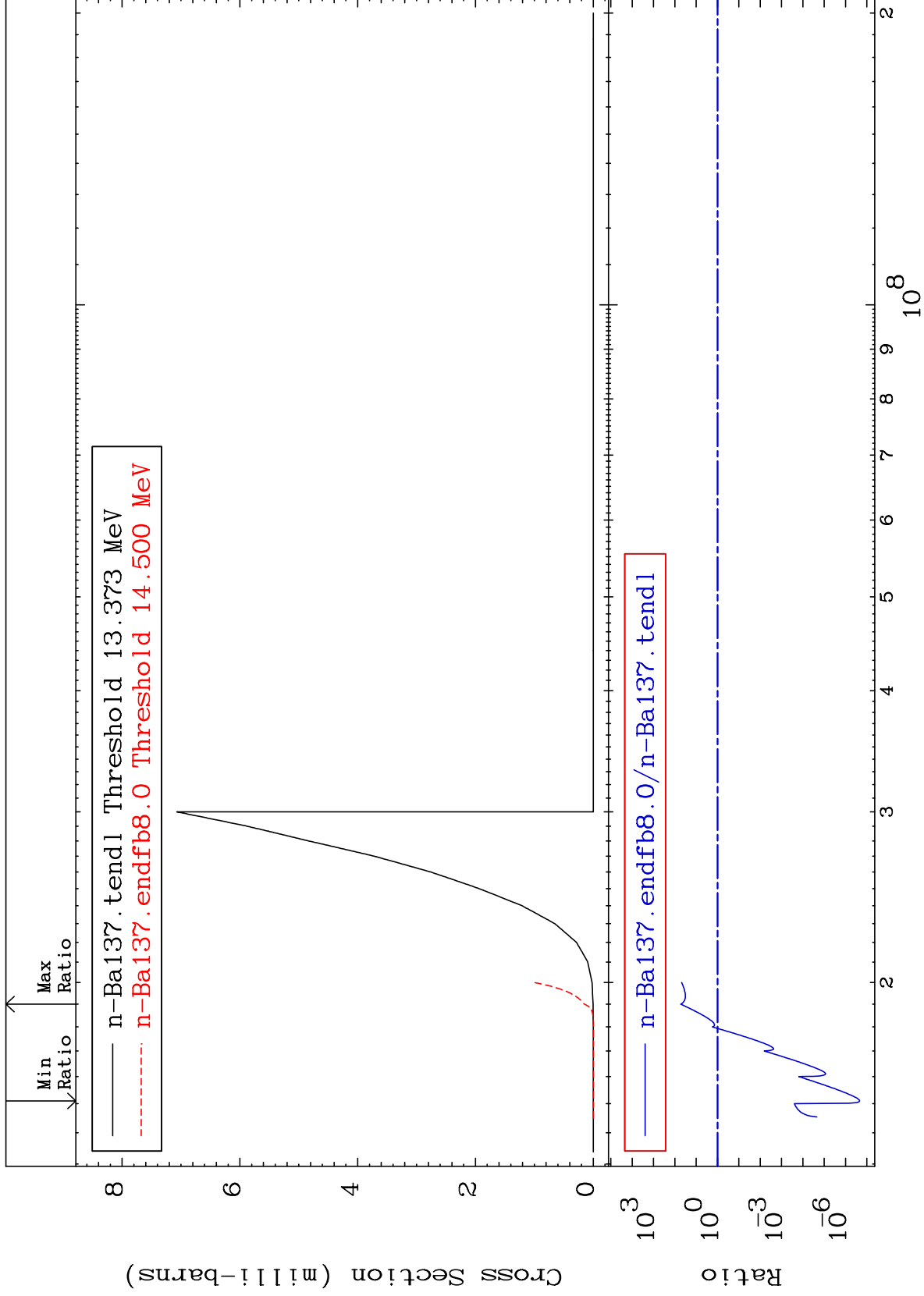
Incident Energy (eV)

56-Ba-137

MAT 5646

(n, n') d
Cross Section

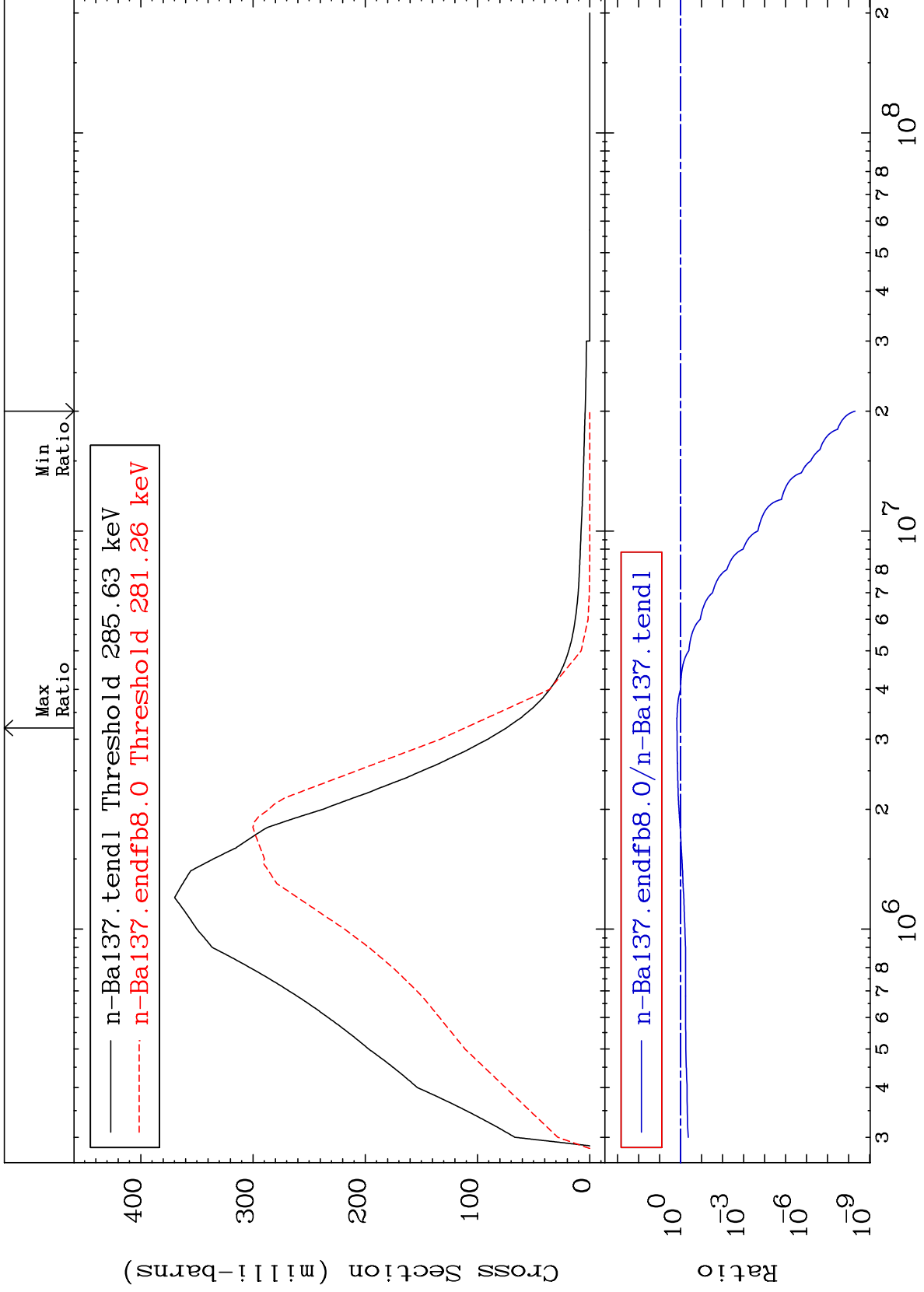
56-Ba-137
-100.0 To 5188. %



MAT 5646

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

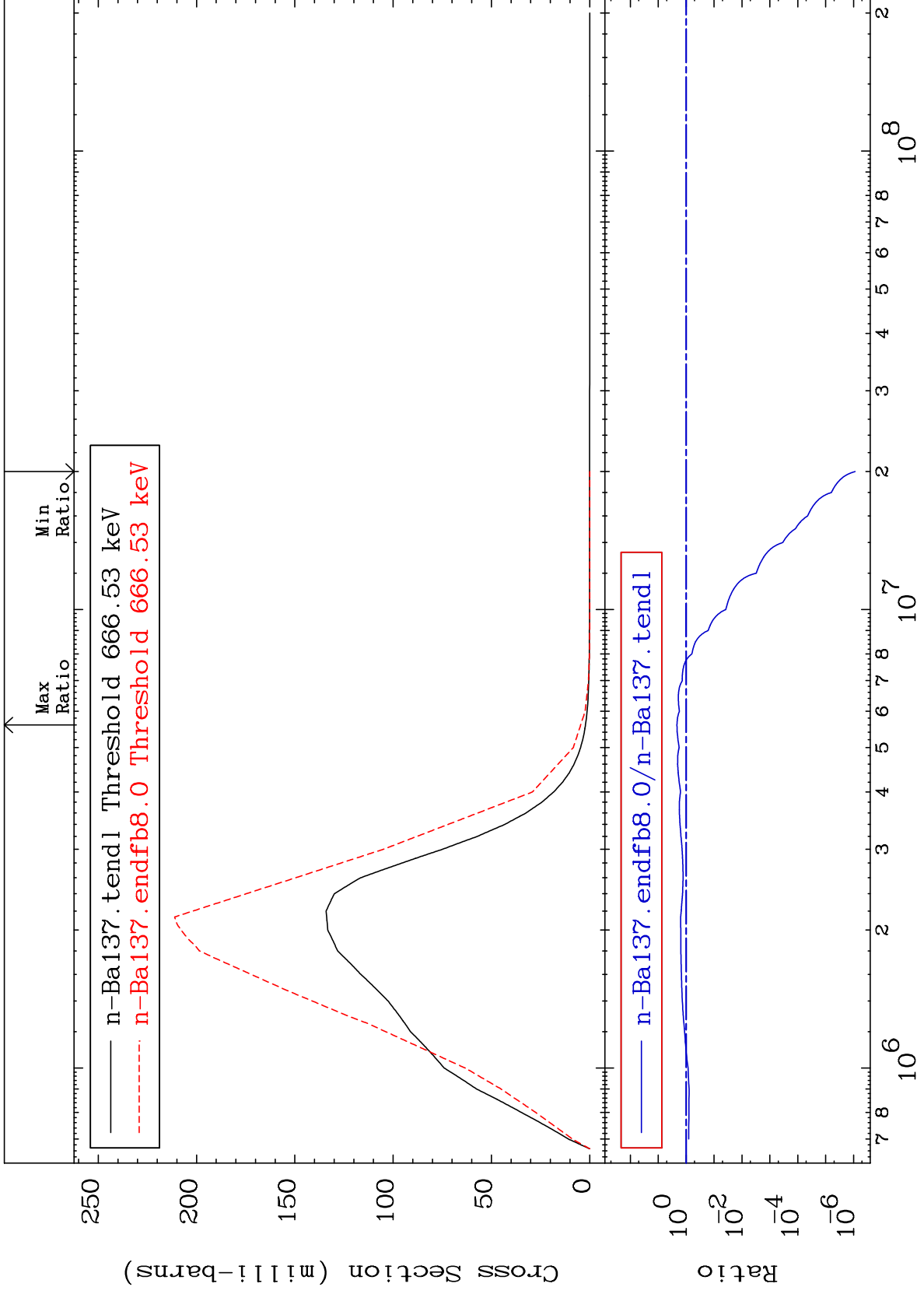
56-Ba-137
-100.0 To 49.74 %



MAT 5646

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

56-Ba-137
-100.0 To 114.1 %



10

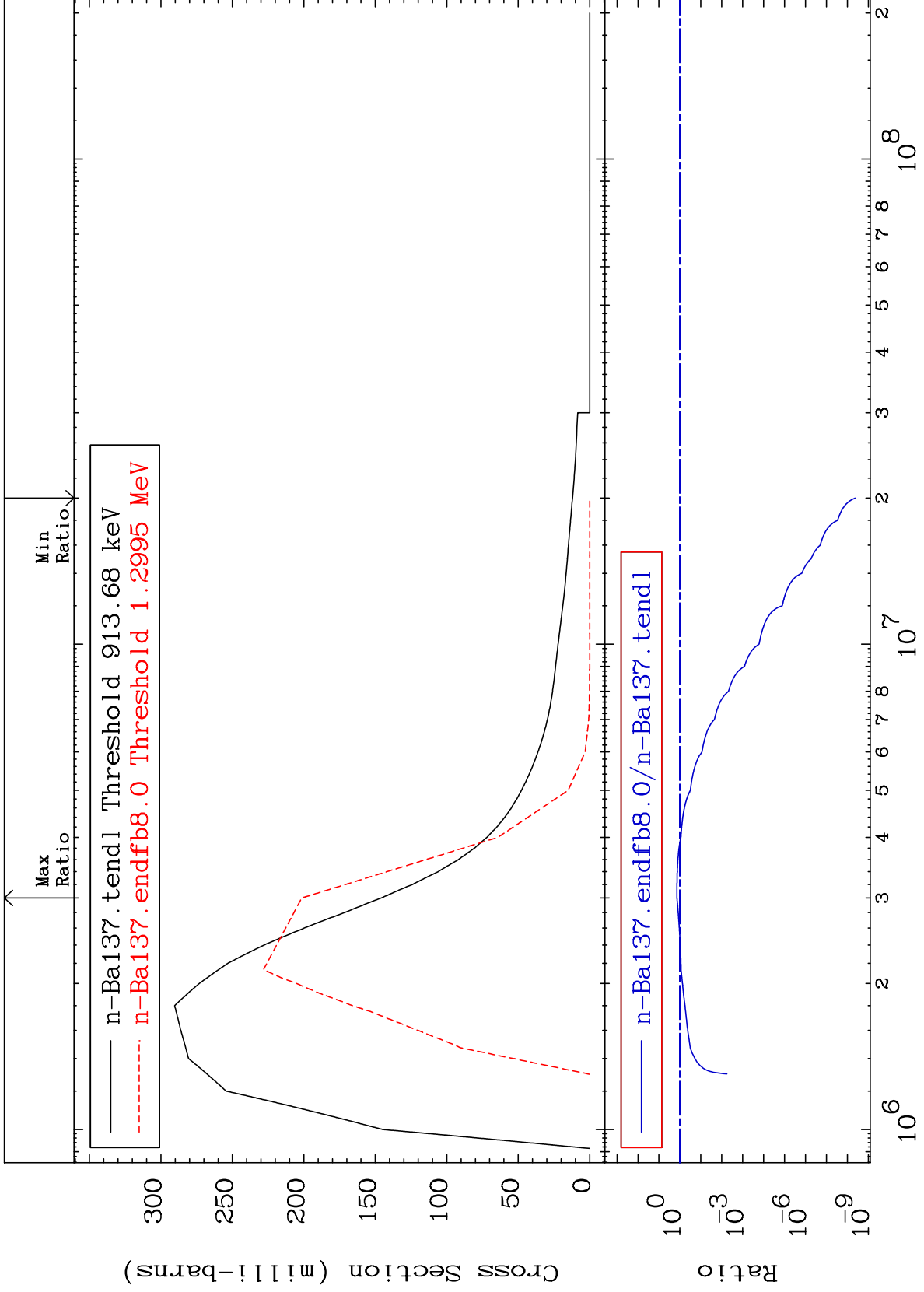
Incident Energy (eV)

56-Ba-137

MAT 5646

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

56-Ba-137
-100.0 To 38.14 %



11

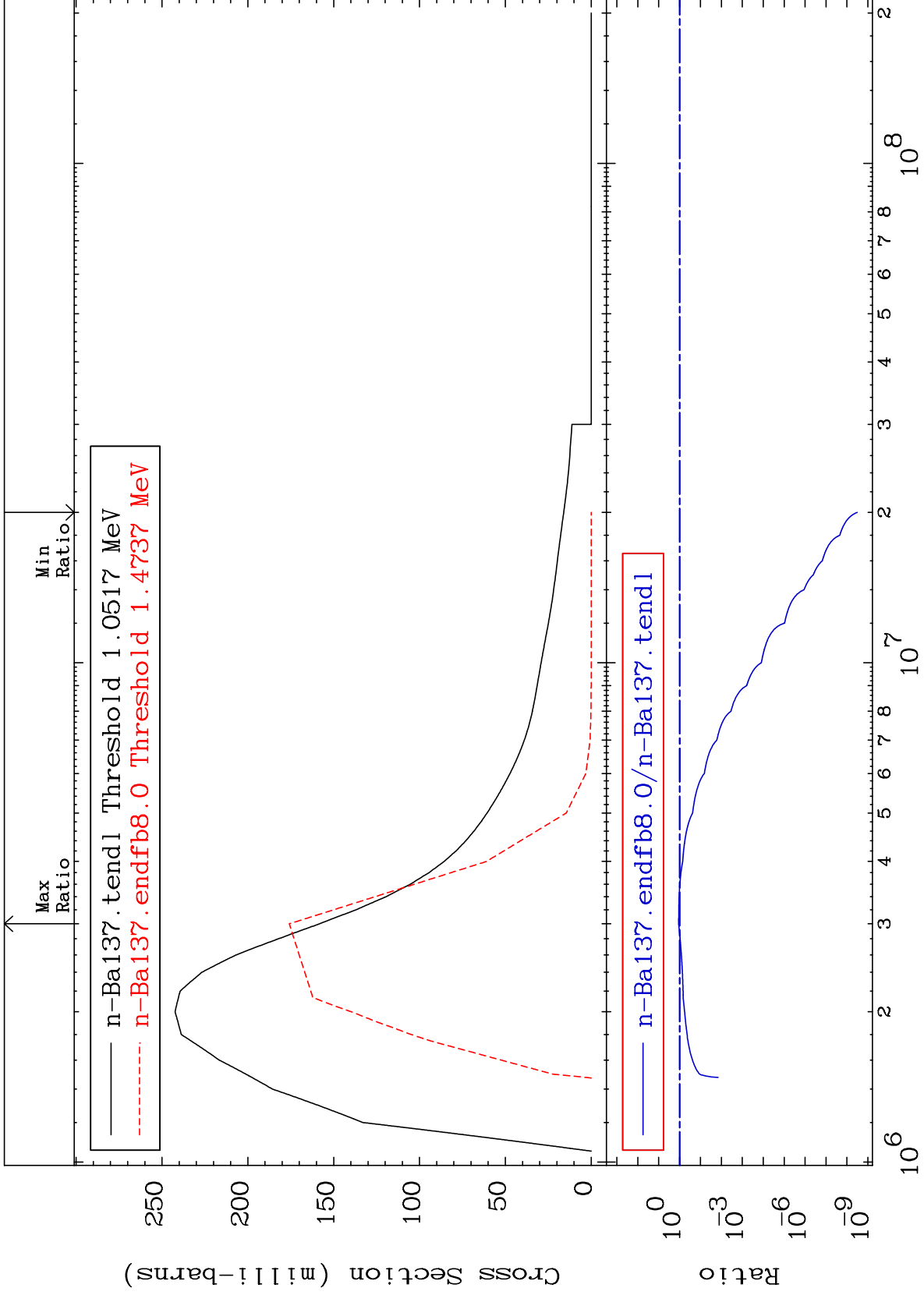
Incident Energy (eV)

56-Ba-137

MAT 5646

MT= 54 (n, n') Level
Cross Section

56-Ba-137
-100.0 To 11.18 %



12

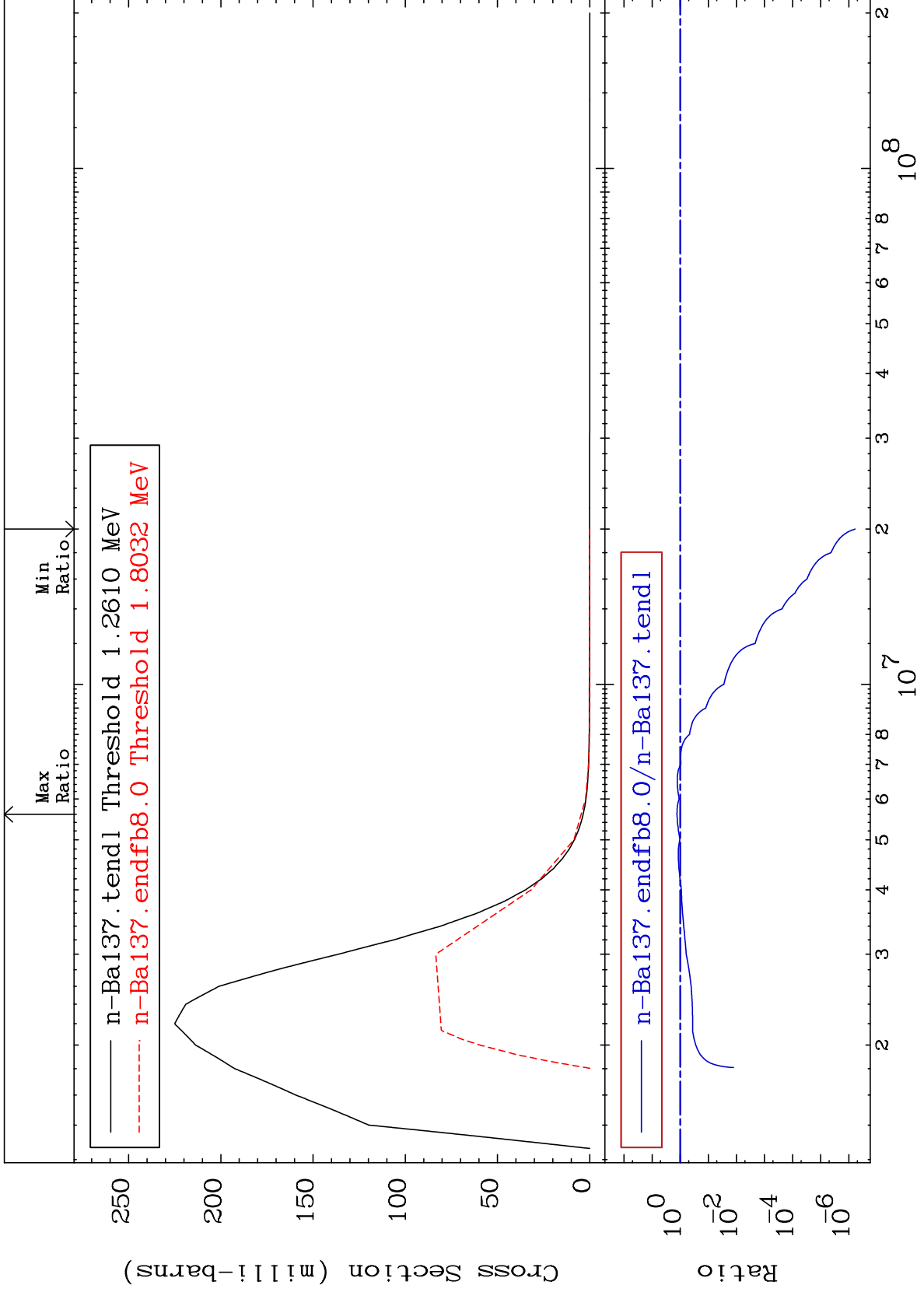
Incident Energy (eV)

56-Ba-137

MAT 5646

MT= 55 (n,n') Level
Cross Section

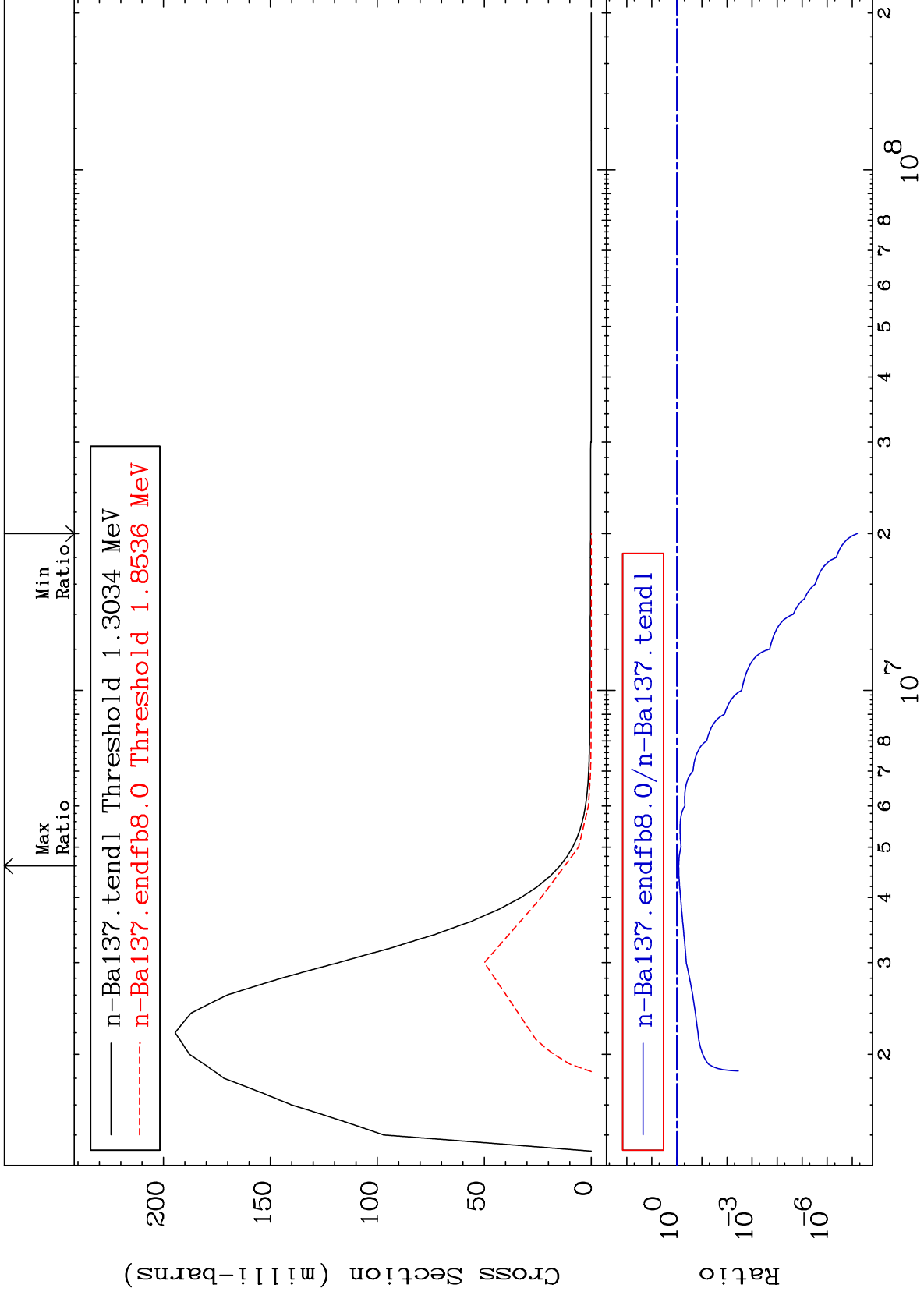
56-Ba-137
-100.0 To 30.91 %



MAT 5646

MT= 56 (n,n') Level
Cross Section

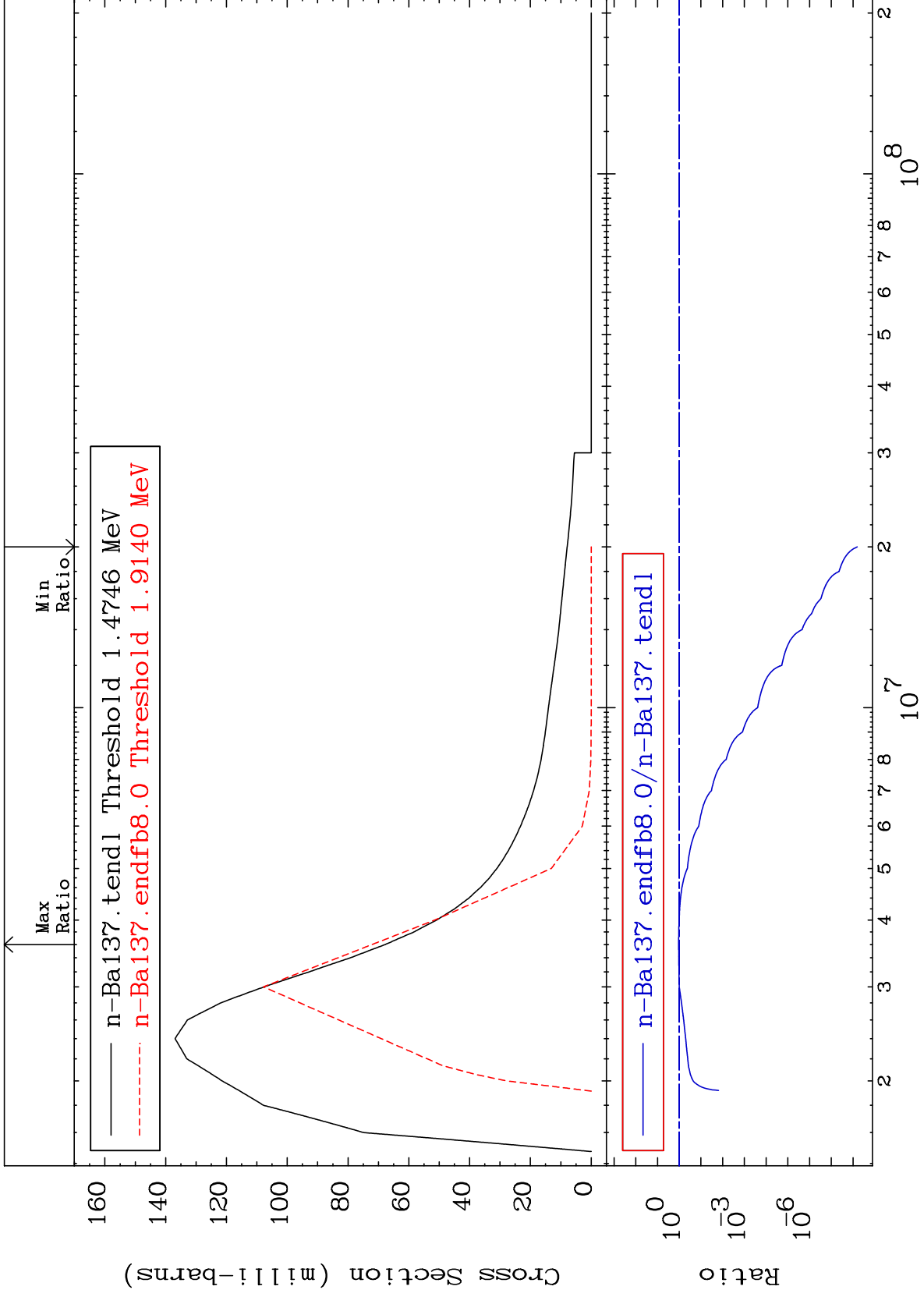
56-Ba-137
-100.0 To -15.10%



MAT 5646

MT= 57 (n, n') Level
Cross Section

56-Ba-137
-100.0 To 6.457 %



15

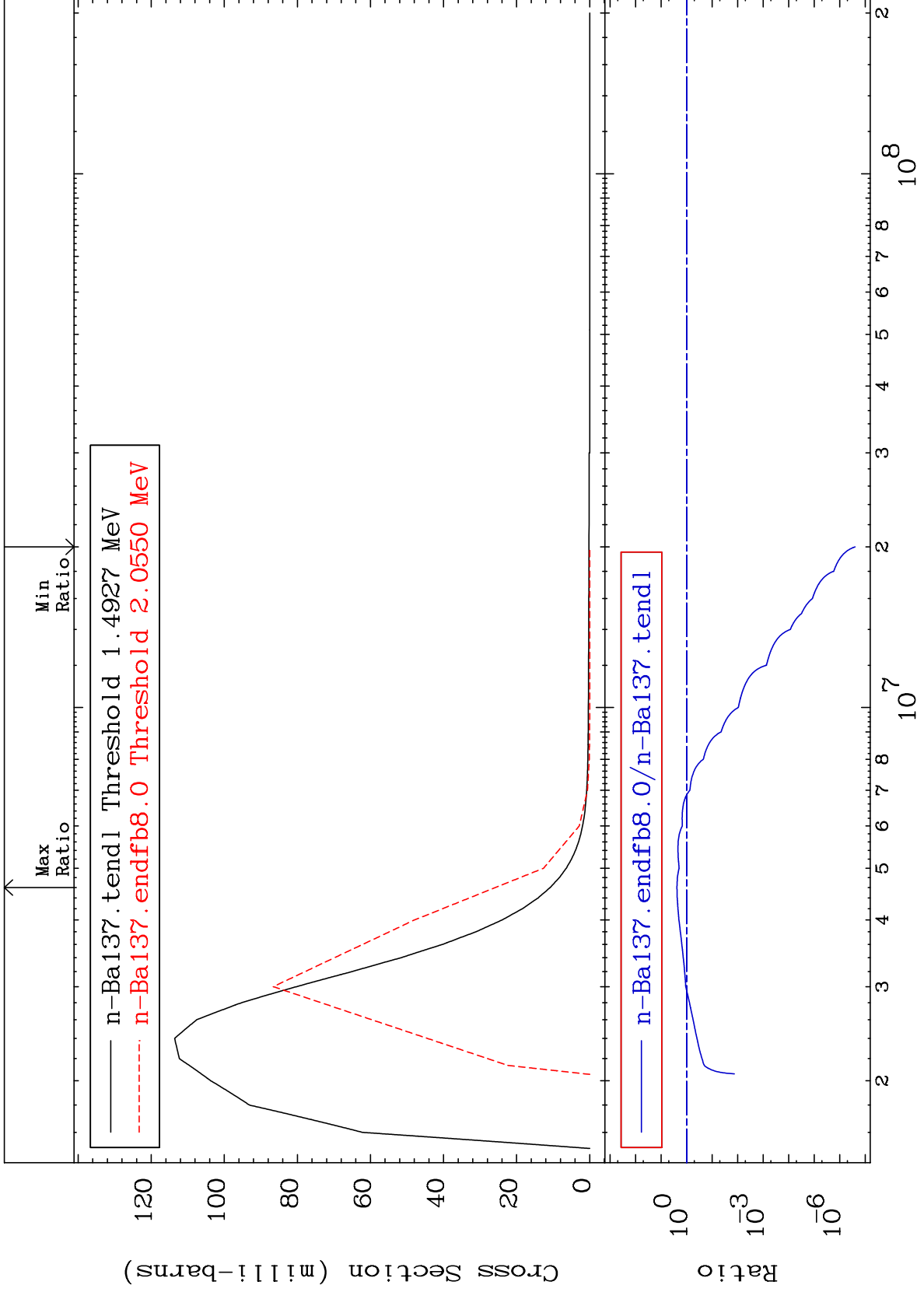
Incident Energy (eV)

56-Ba-137

MAT 5646

MT= 58 (n,n') Level
Cross Section

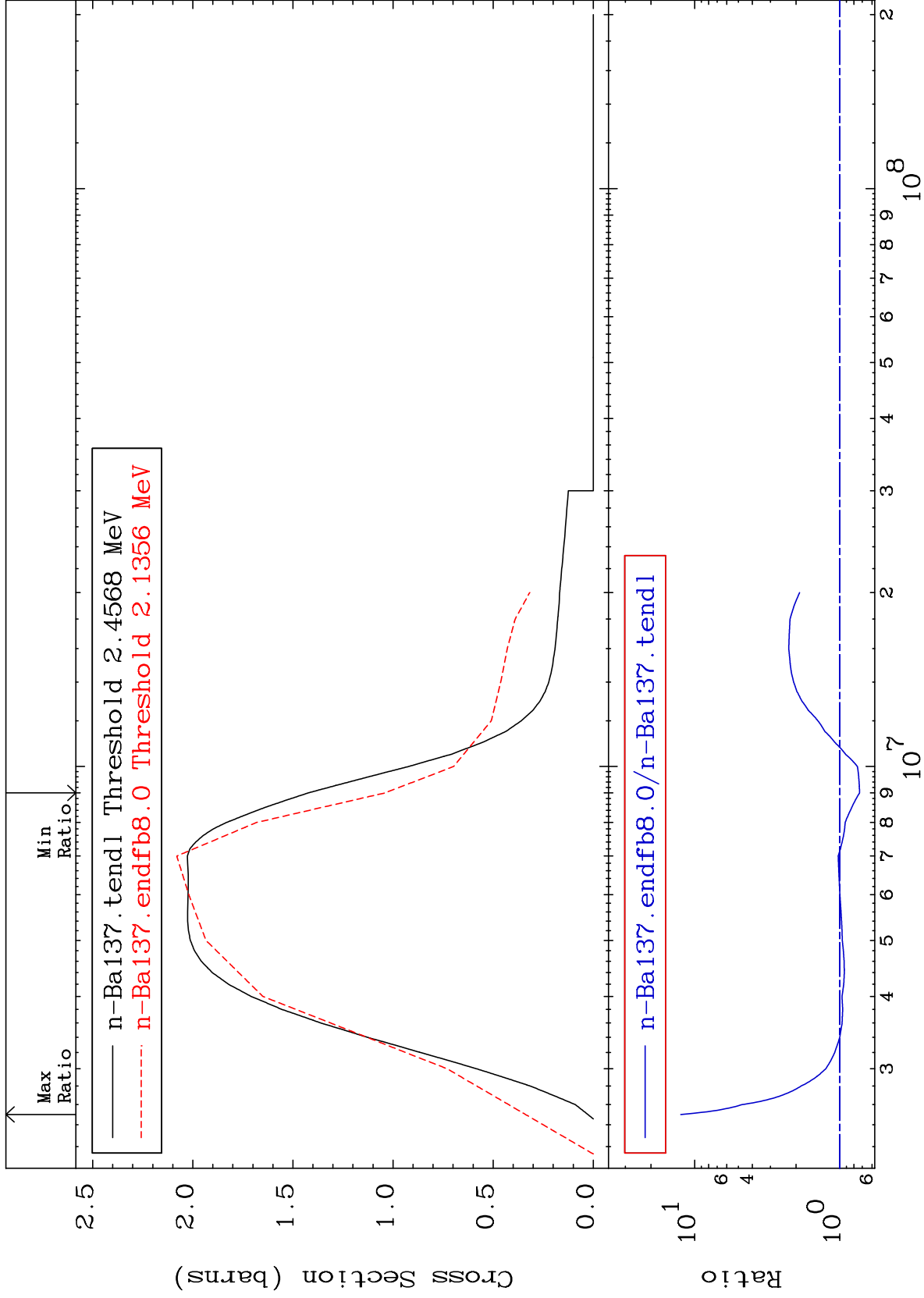
56-Ba-137
-100.0 To 138.9 %



MAT 5646

(n, n') Continuum
Cross Section

56-Ba-137
-26.88 To 1145. %



17

Incident Energy (eV)

56-Ba-137

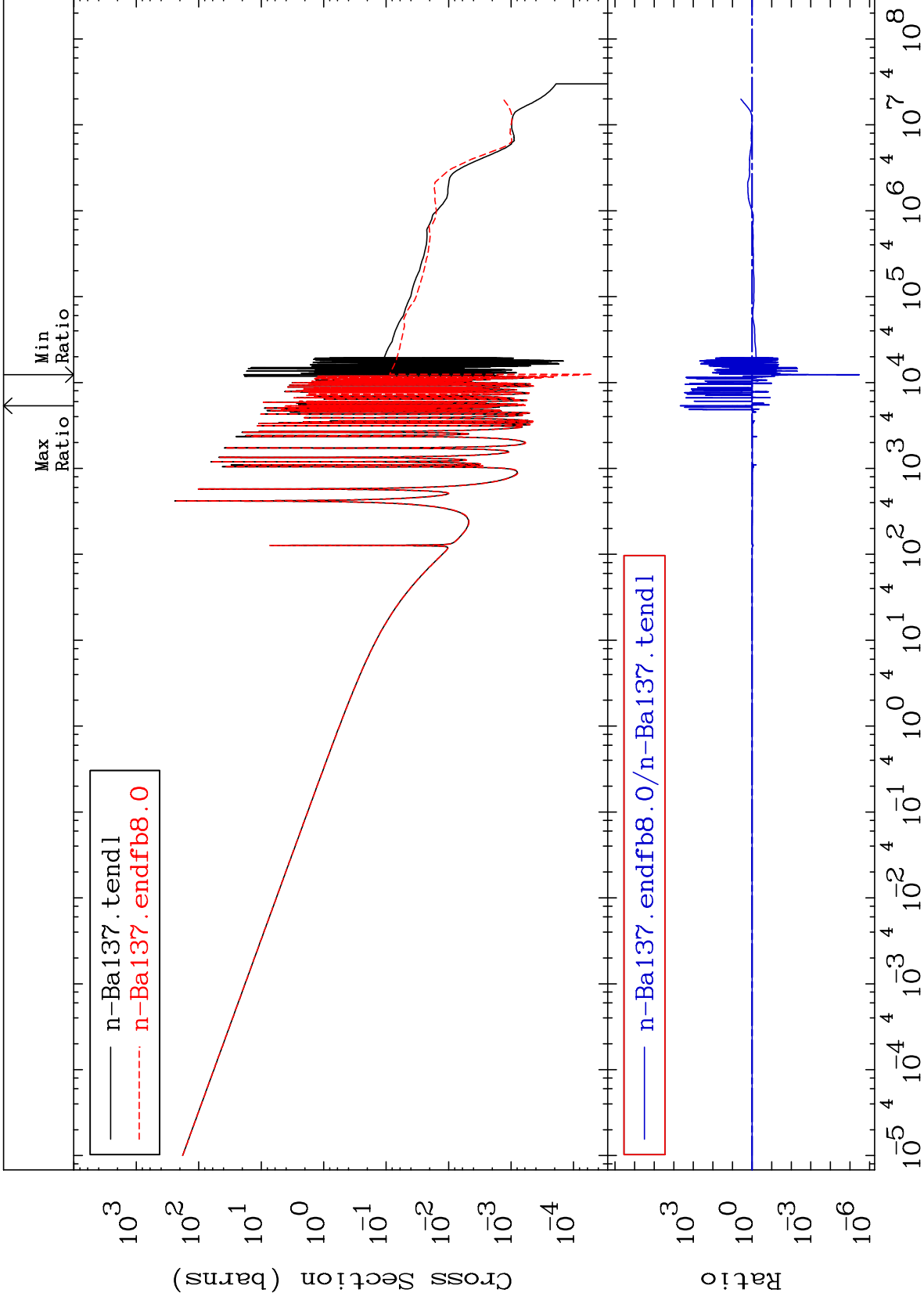
MAT 5646

(n, γ)

56-Ba-137

Cross Section

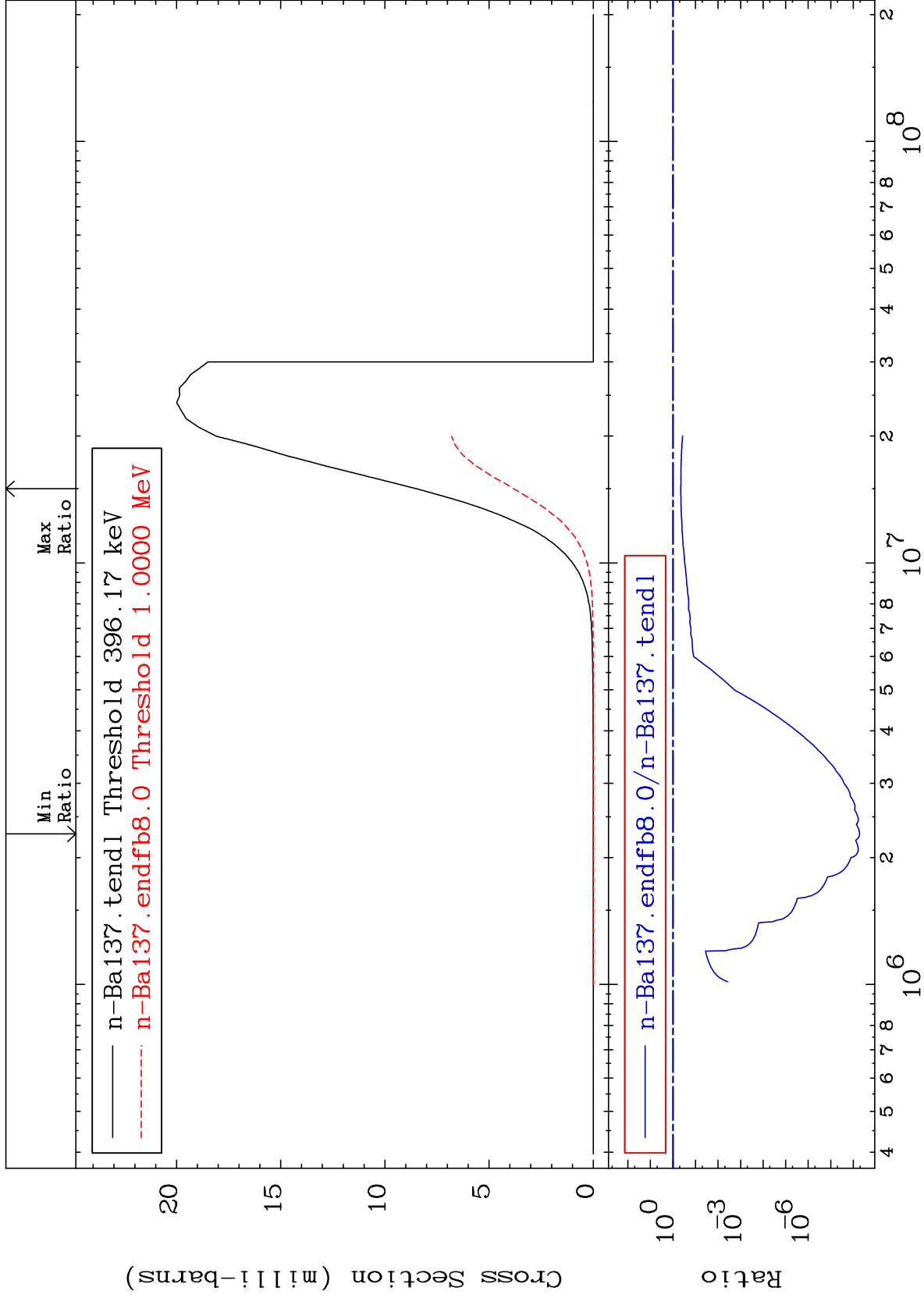
-100.0 To 9999. %



MAT 5646

56-Ba-137

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



19

Incident Energy (eV)

56-Ba-137

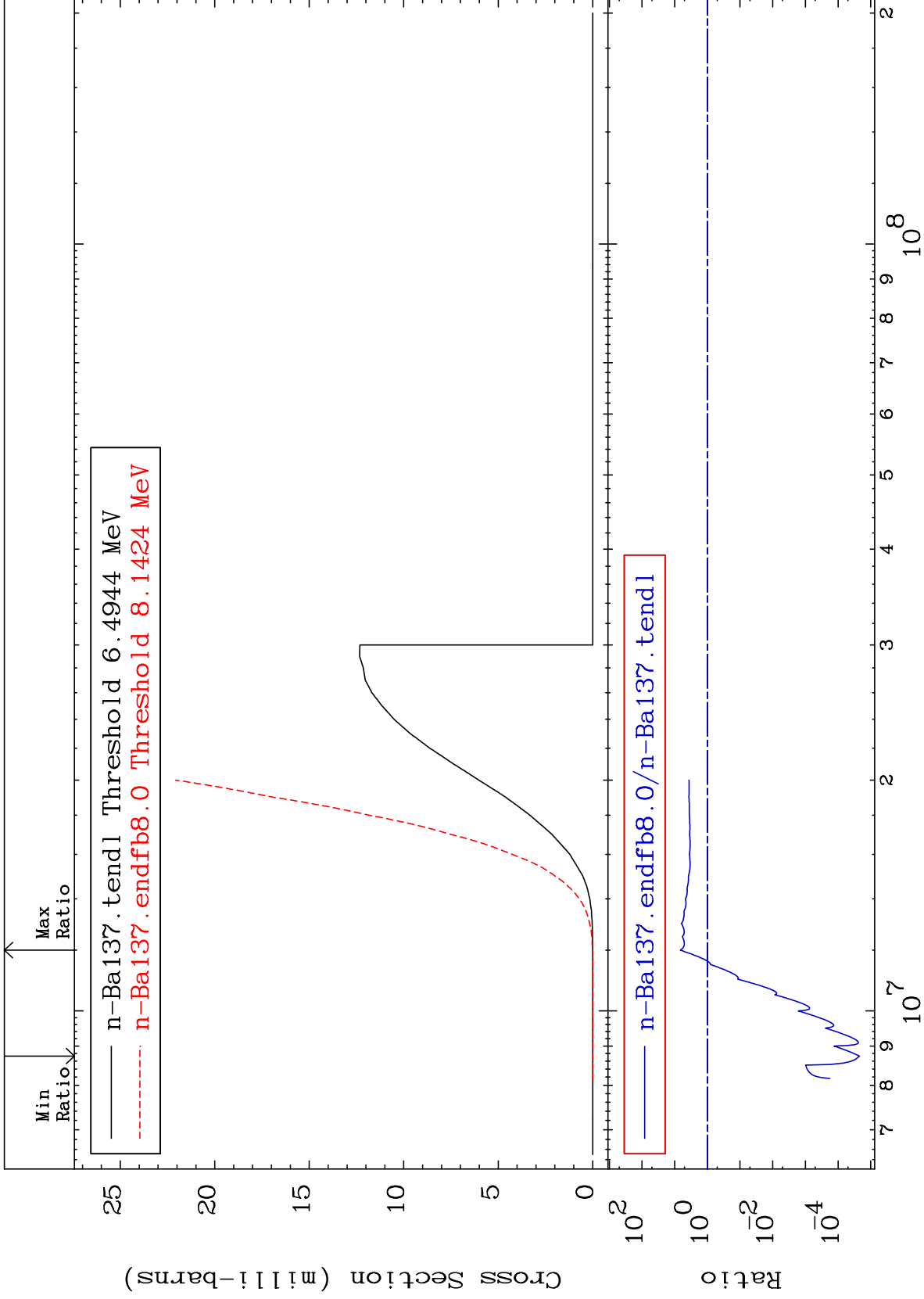
MAT 5646

(n, d)

56-Ba-137

Cross Section

-100.0 To 570.7 %



20

Incident Energy (eV)

56-Ba-137

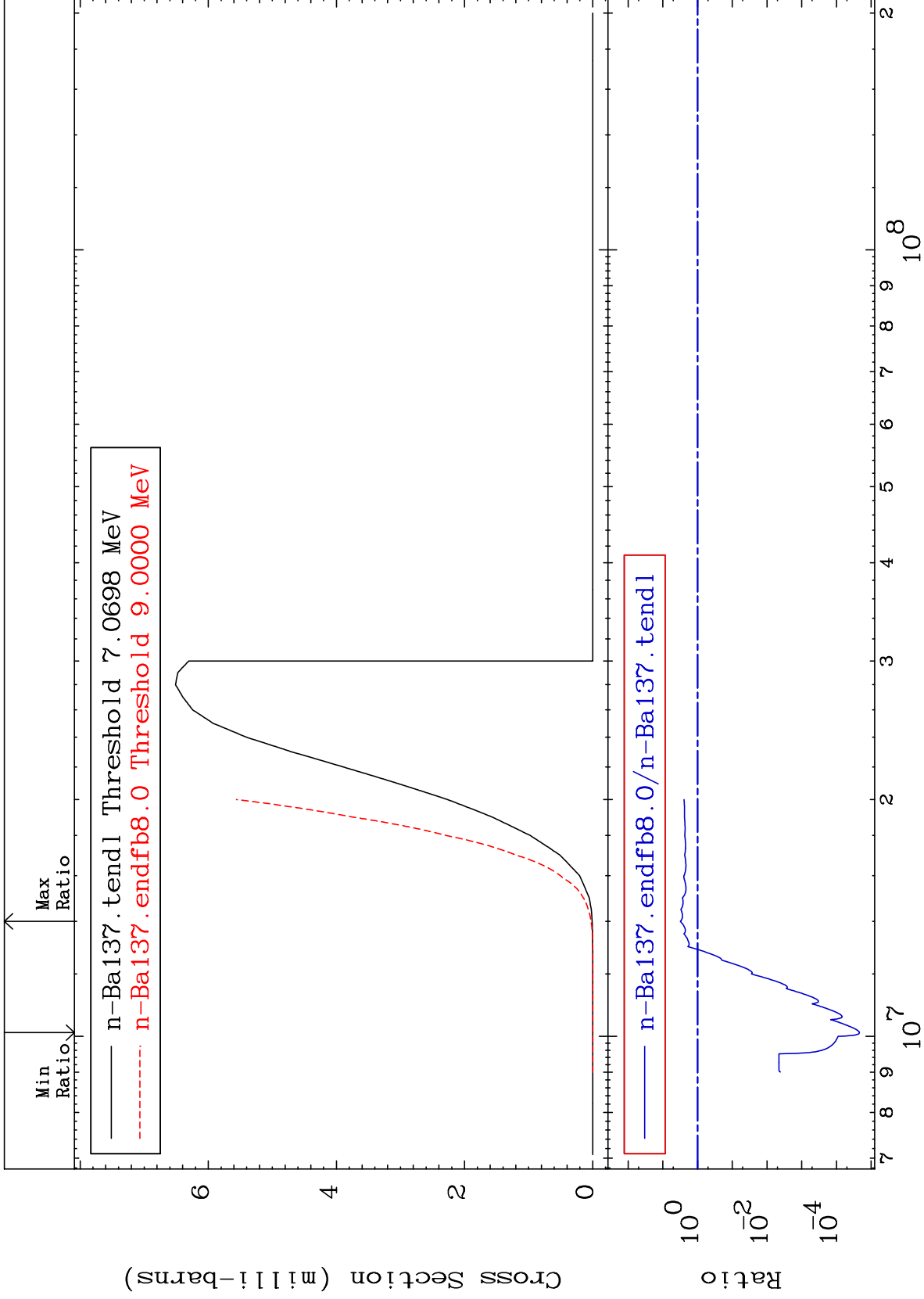
MAT 5646

(n, t)

56-Ba-137

Cross Section

-100.0 To 213.4 %



21

Incident Energy (eV)

56-Ba-137

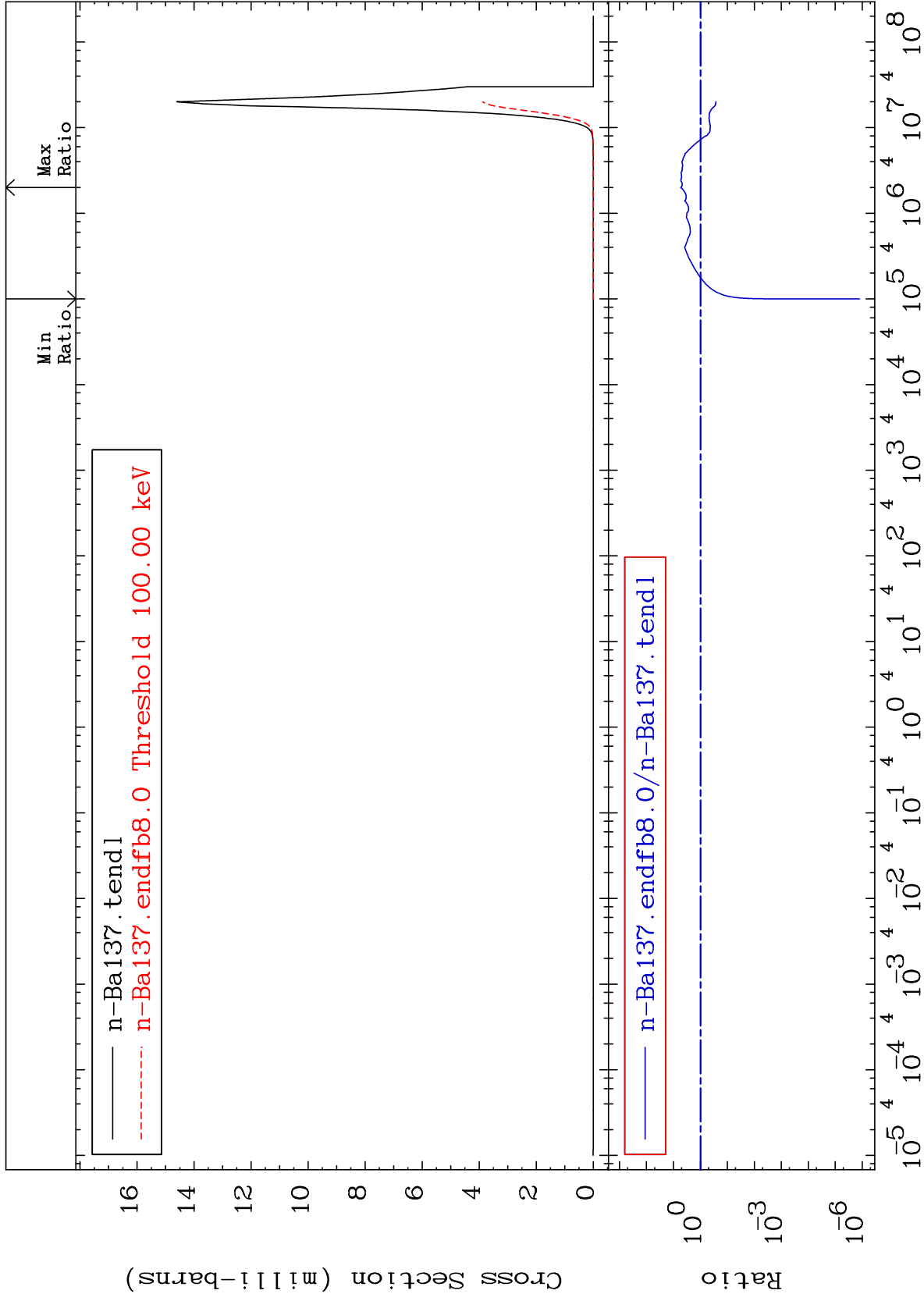
MAT 5646

(n, α)

56-Ba-137

Cross Section

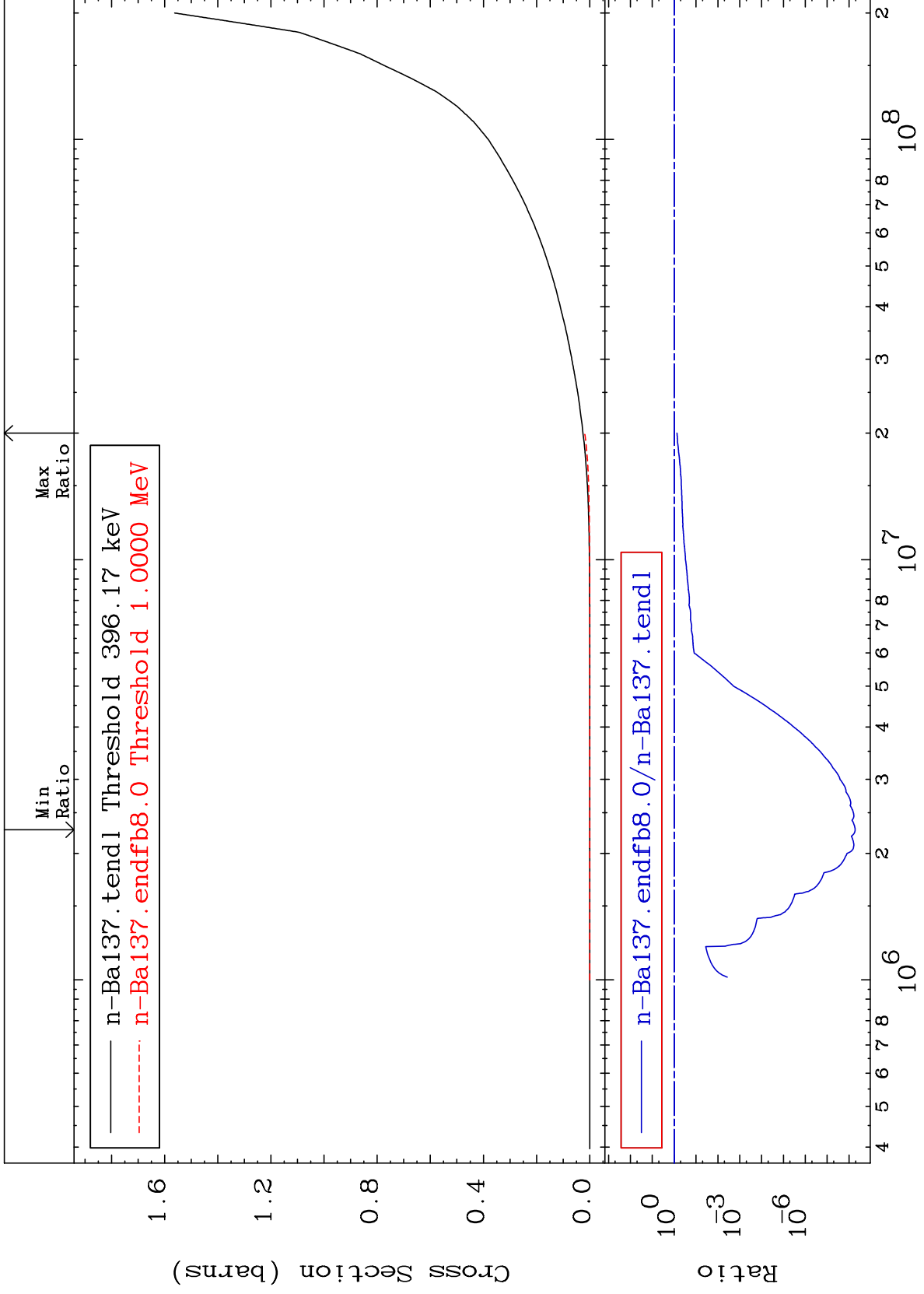
-100.0 To 435.4 %



22

Incident Energy (eV)

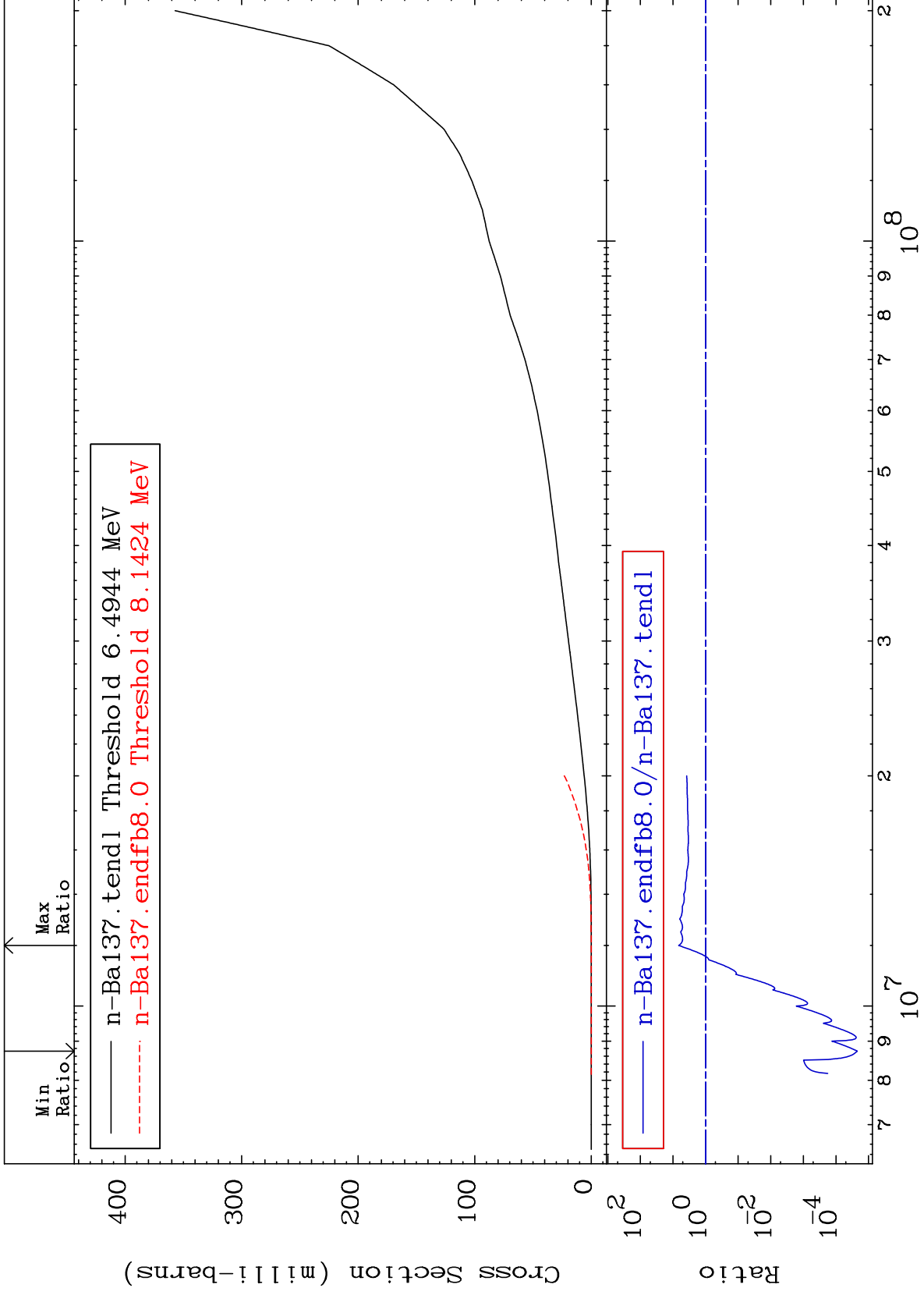
56-Ba-137



MAT 5646

Deuterium Production
Cross Section

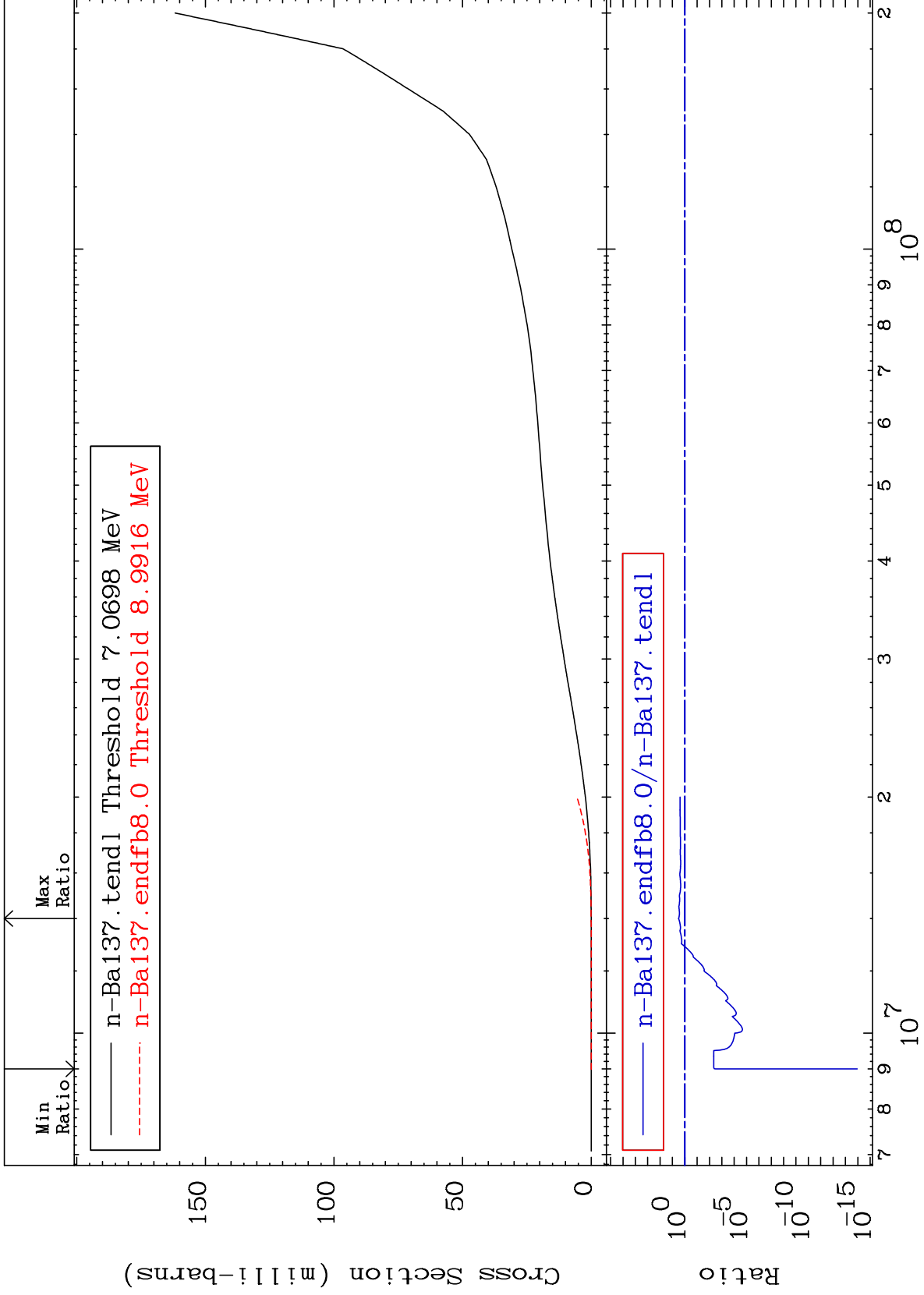
56-Ba-137
-100.0 To 570.7 %



MAT 5646

Tritium Production
Cross Section

56-Ba-137
-100.0 To 213.4 %



25

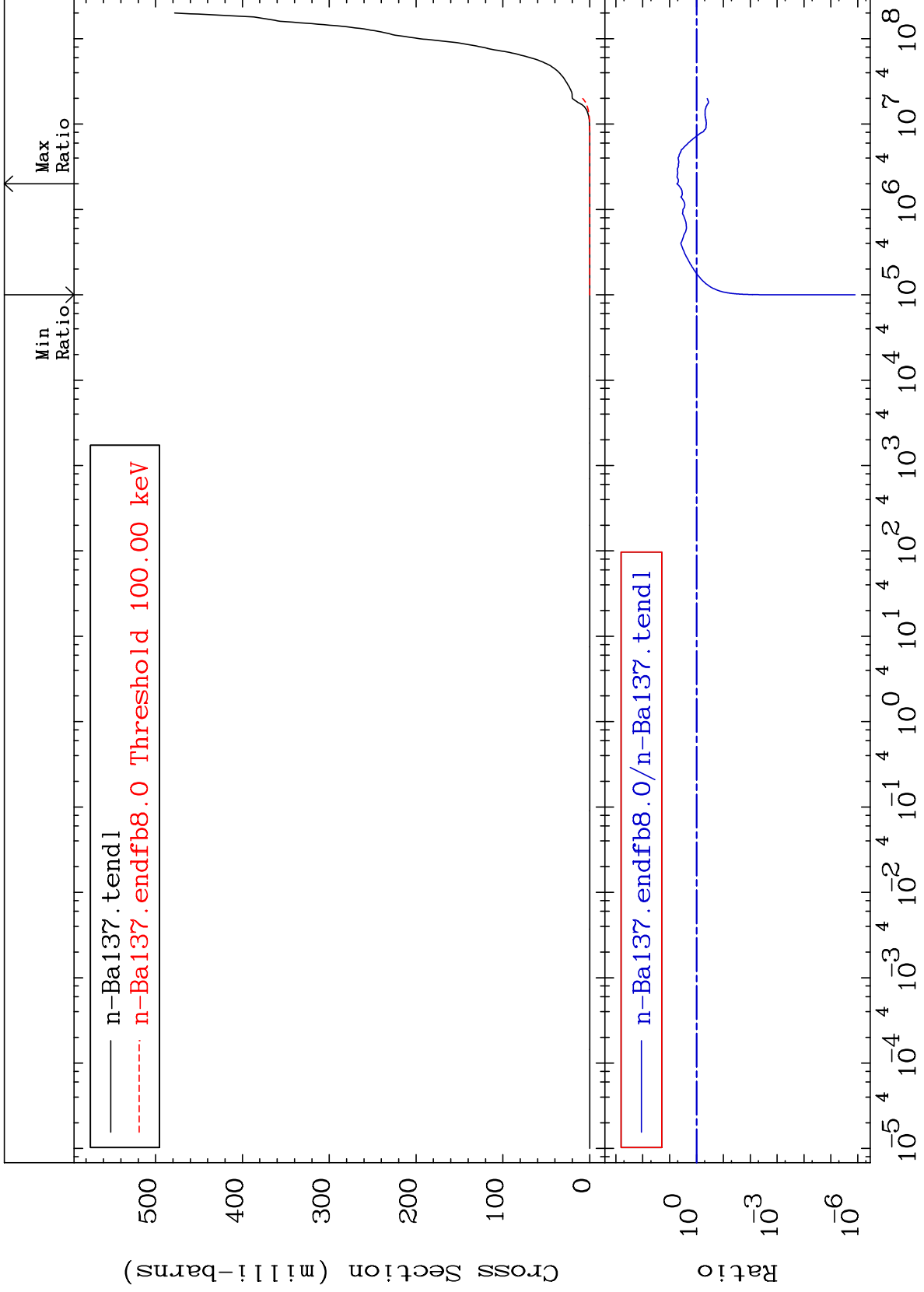
Incident Energy (eV)

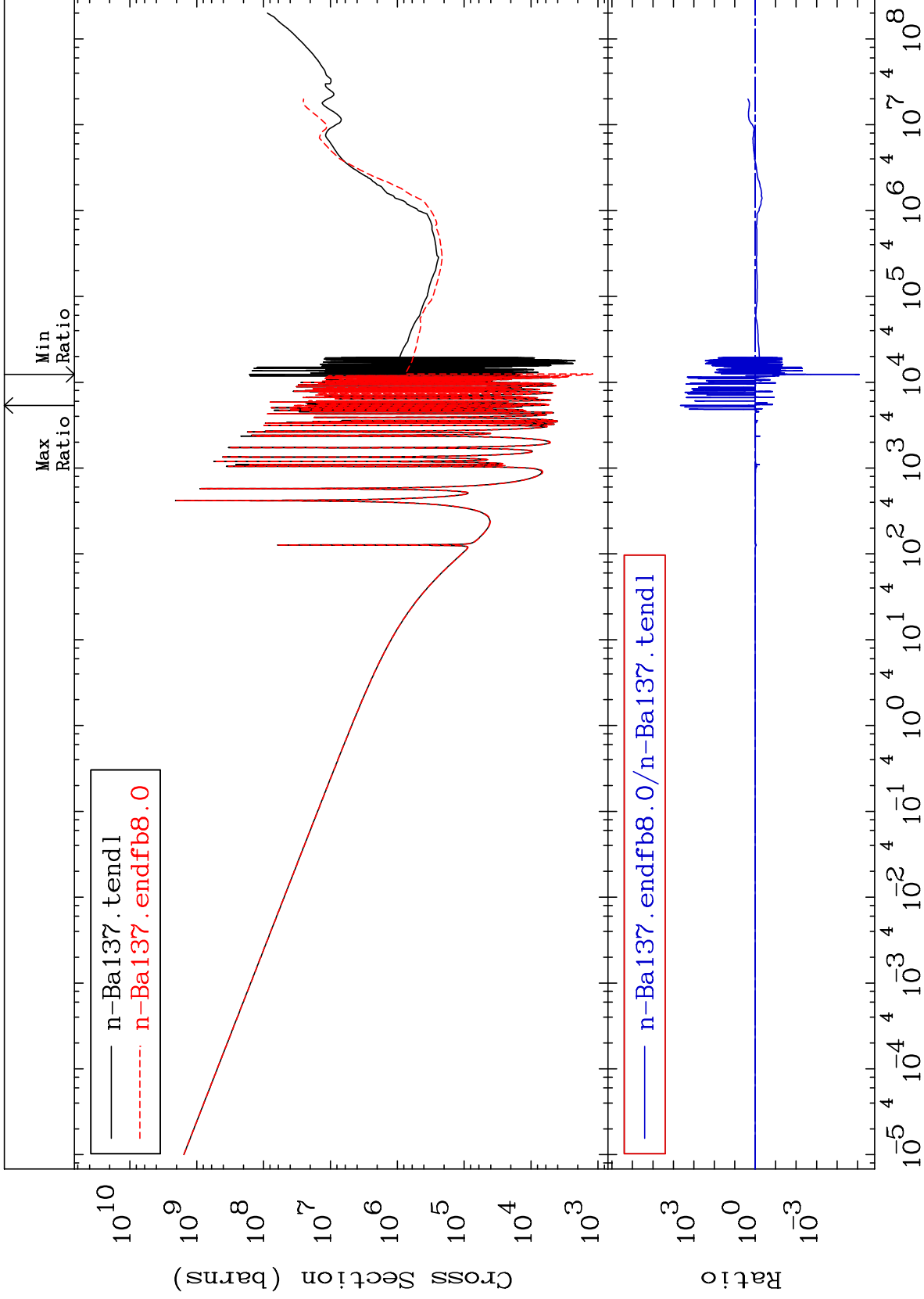
56-Ba-137

MAT 5646

He-4 Production
Cross Section

56-Ba-137
-100.0 To 435.4 %

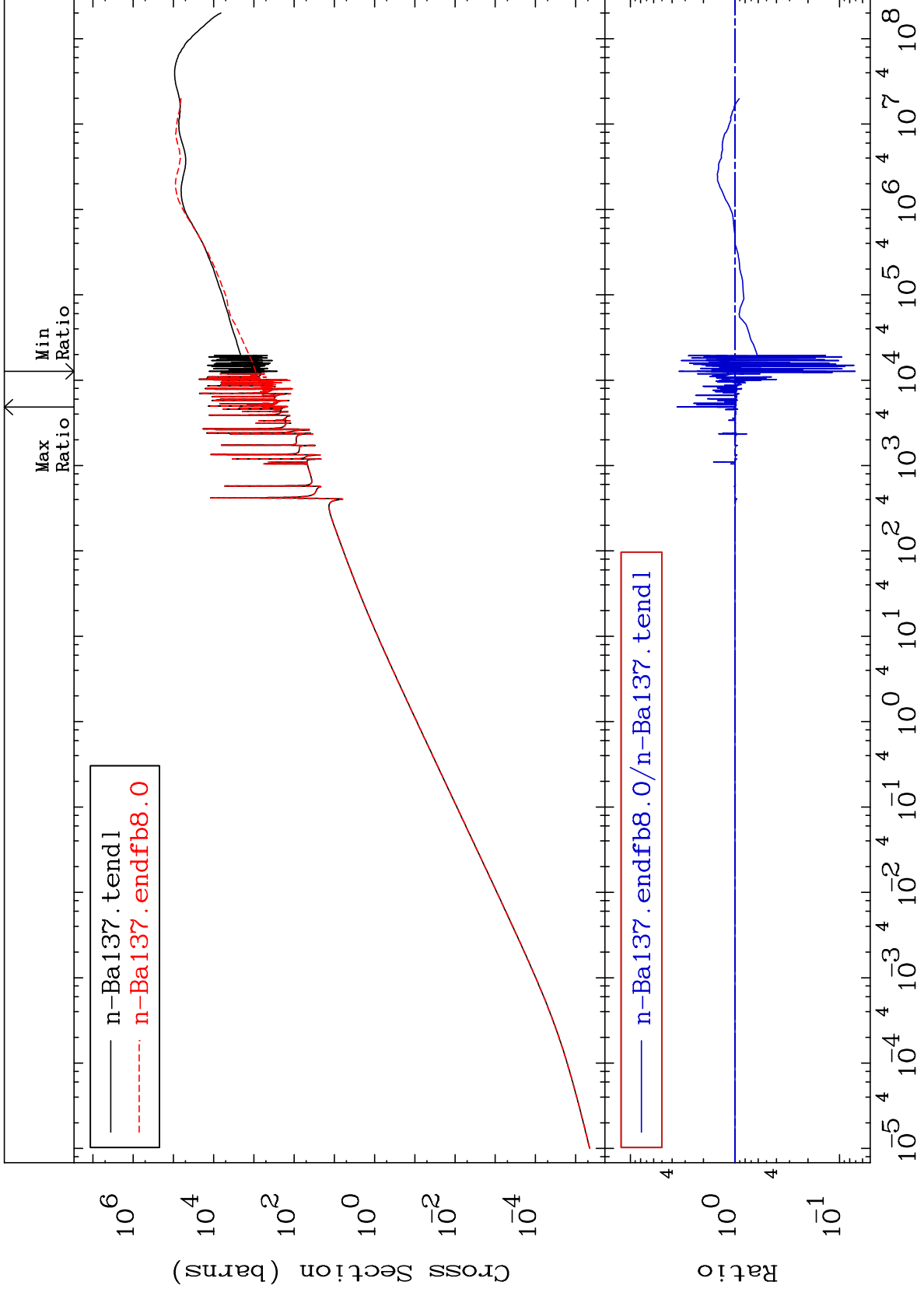


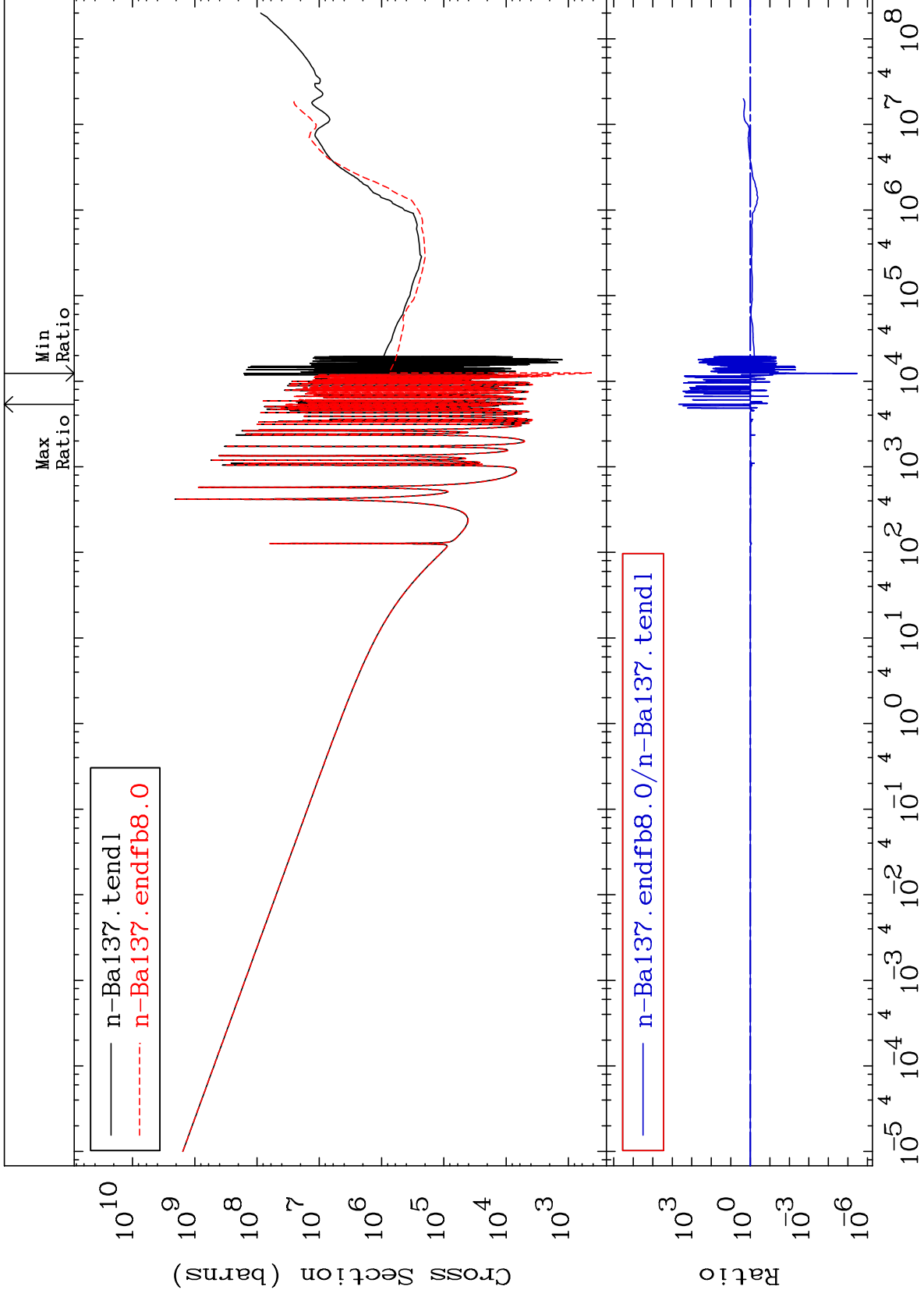


MAT 5646

Kerma elastic
Cross Section

56-Ba-137
-92.91 To 259.3 %

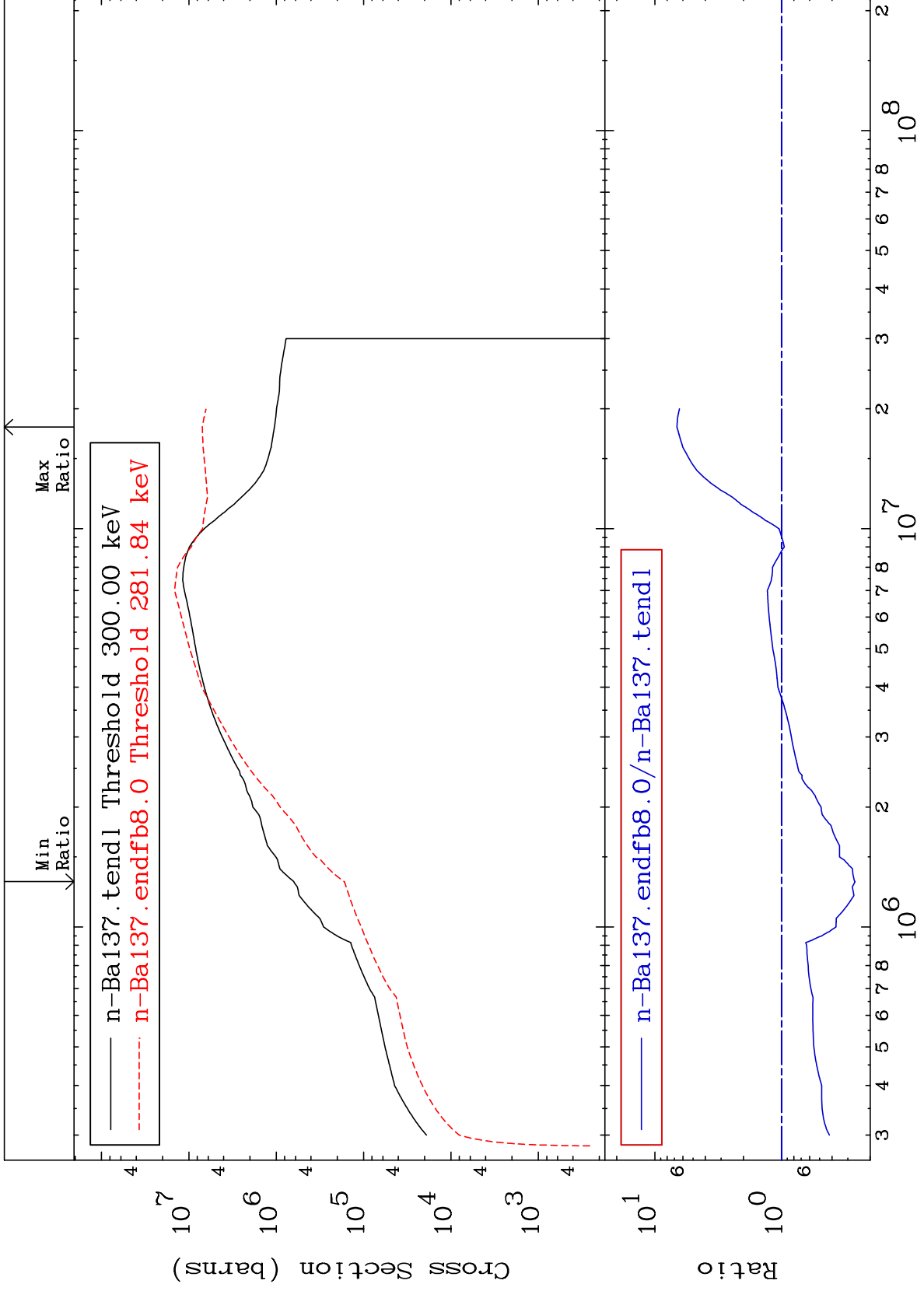




MAT 5646

Kerma inelastic (mt51-91)
Cross Section

56-Ba-137
-73.72 To 569.2 %



30

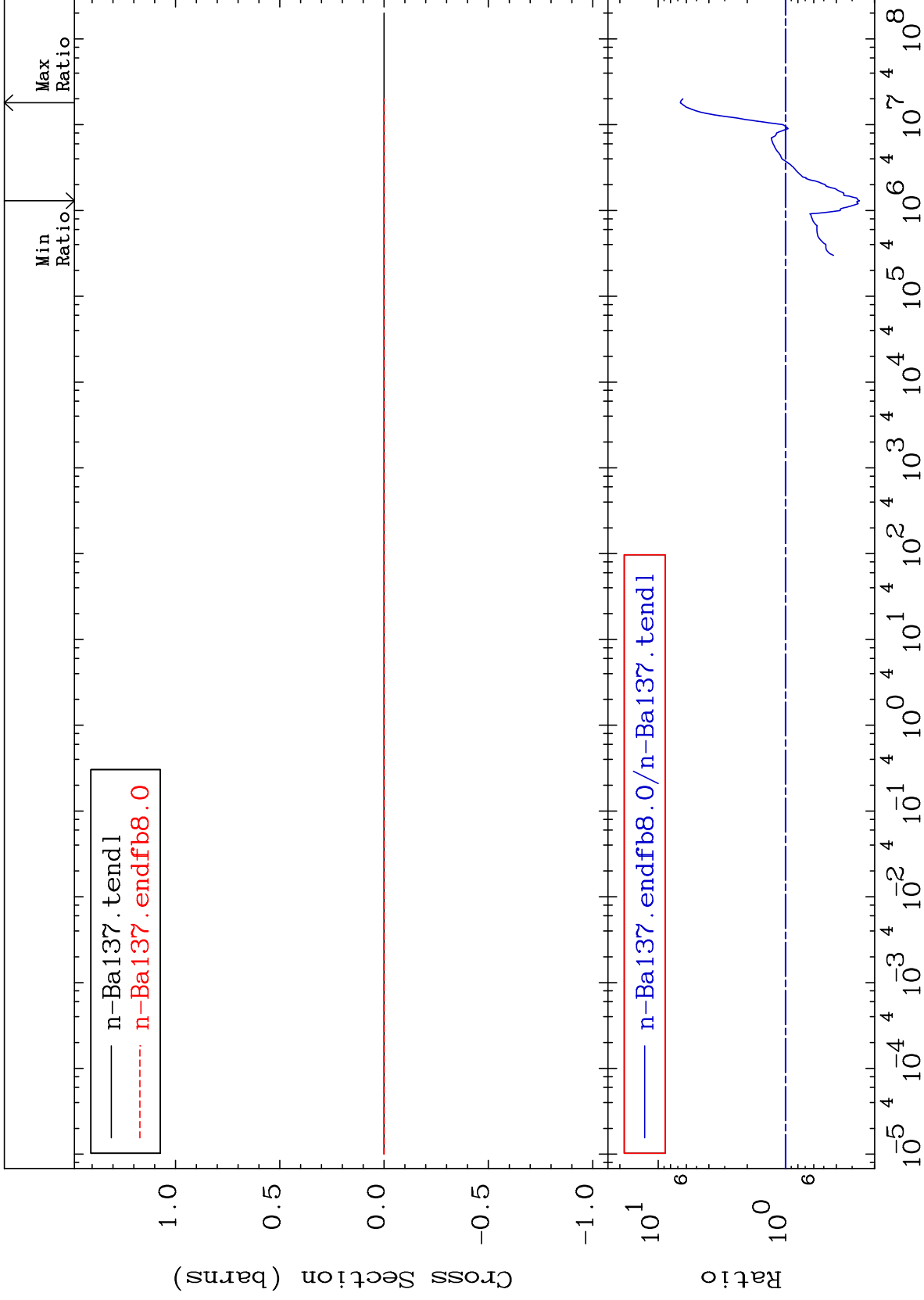
Incident Energy (eV)

56-Ba-137

MAT 5646

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

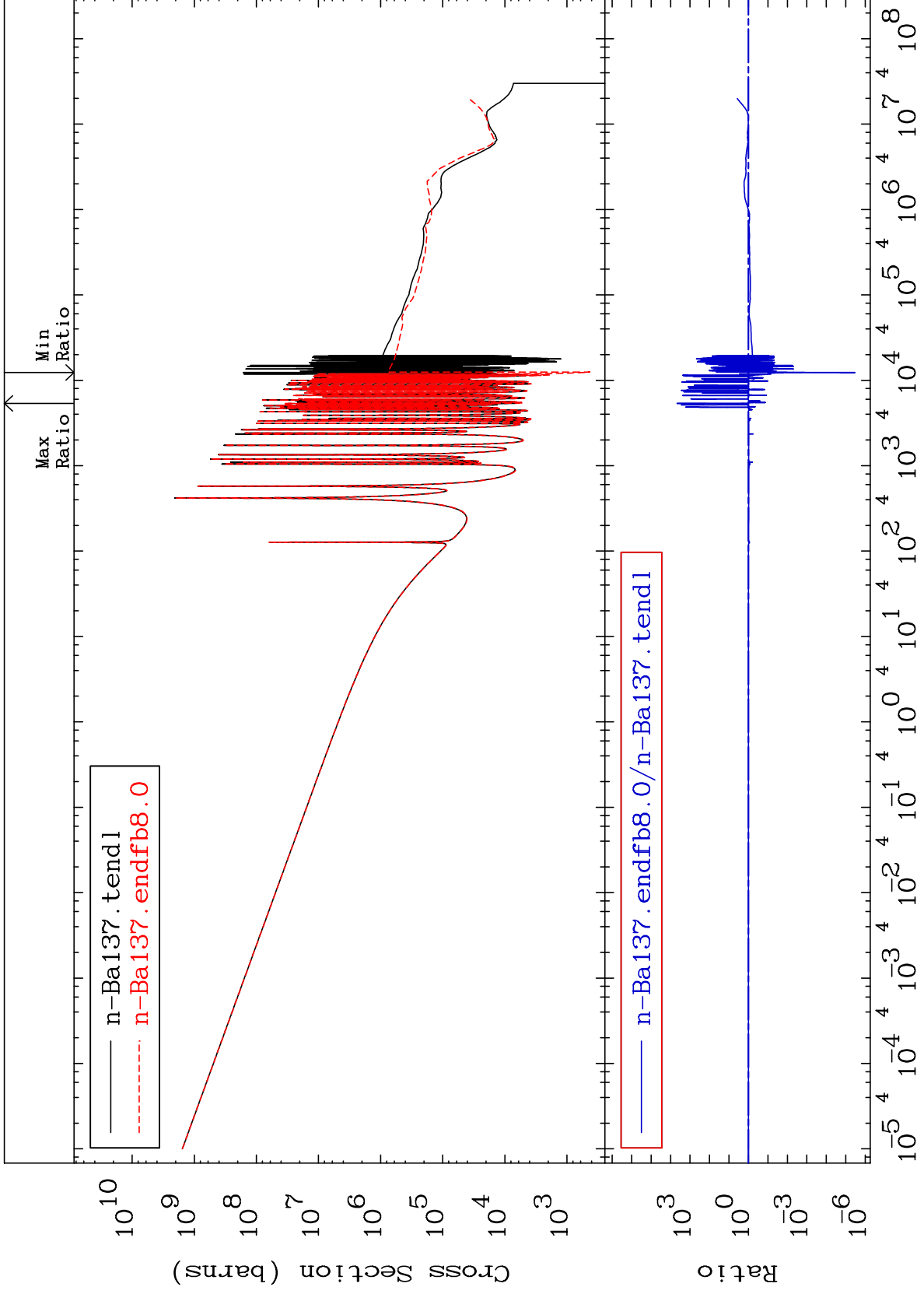
56-Ba-137
-73.72 To 569.2 %



MAT 5646

Kerma capture (mt102)
Cross Section

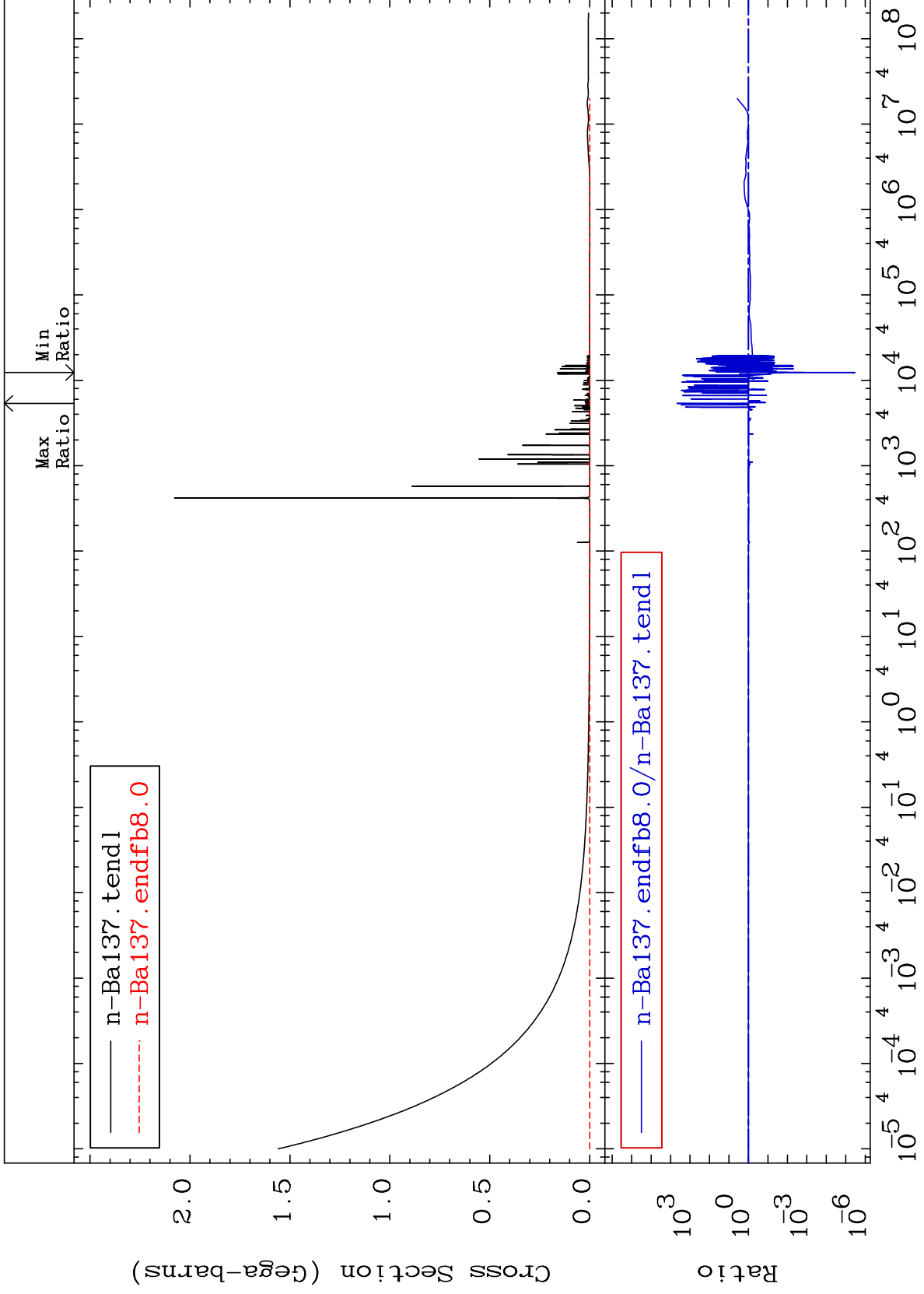
56-Ba-137
-100.0 To 9999. %



MAT 5646

Total photon (eV-barns)
Cross Section

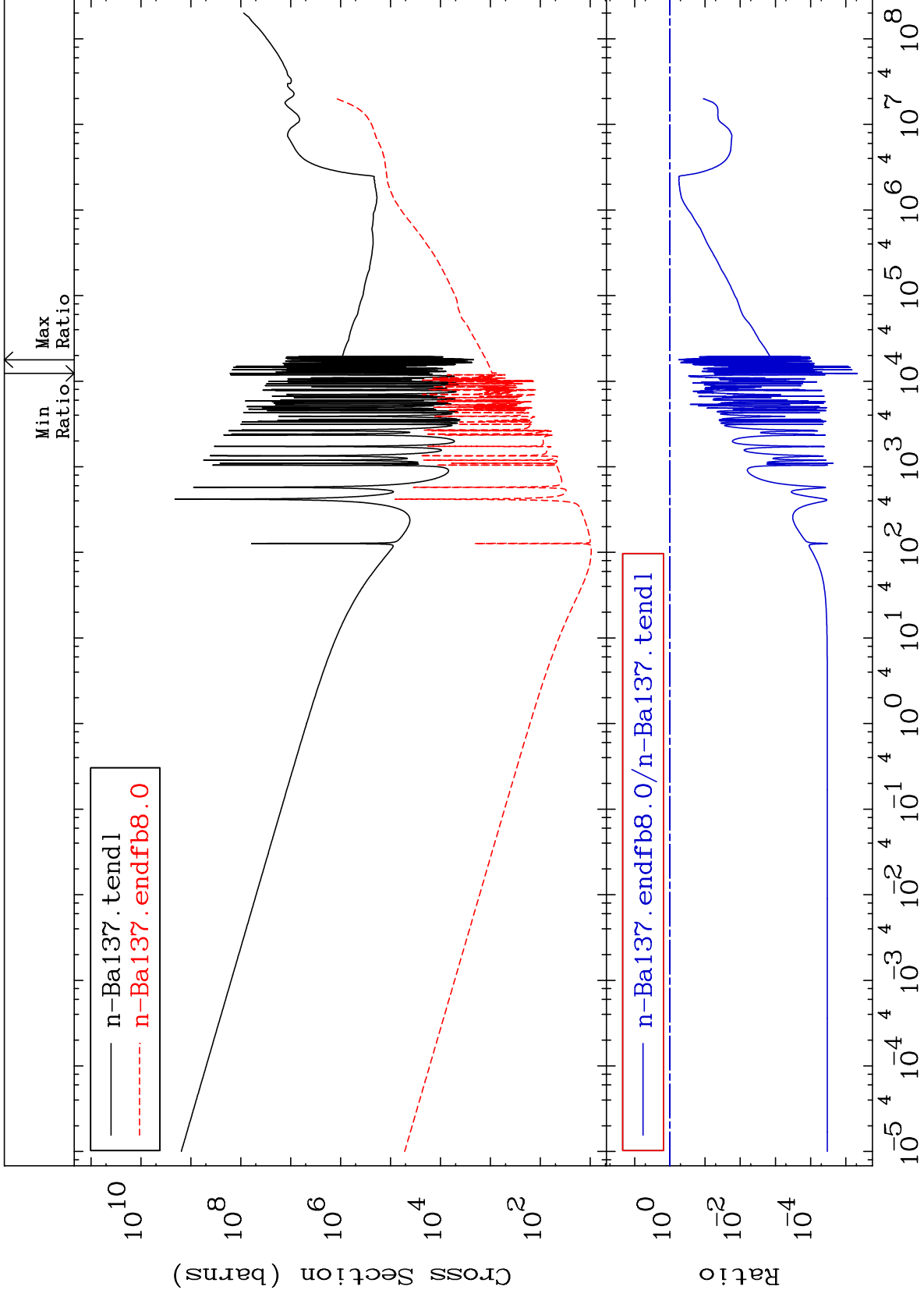
56-Ba-137
-100.0 To 9999. %



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Incident Energy (eV)

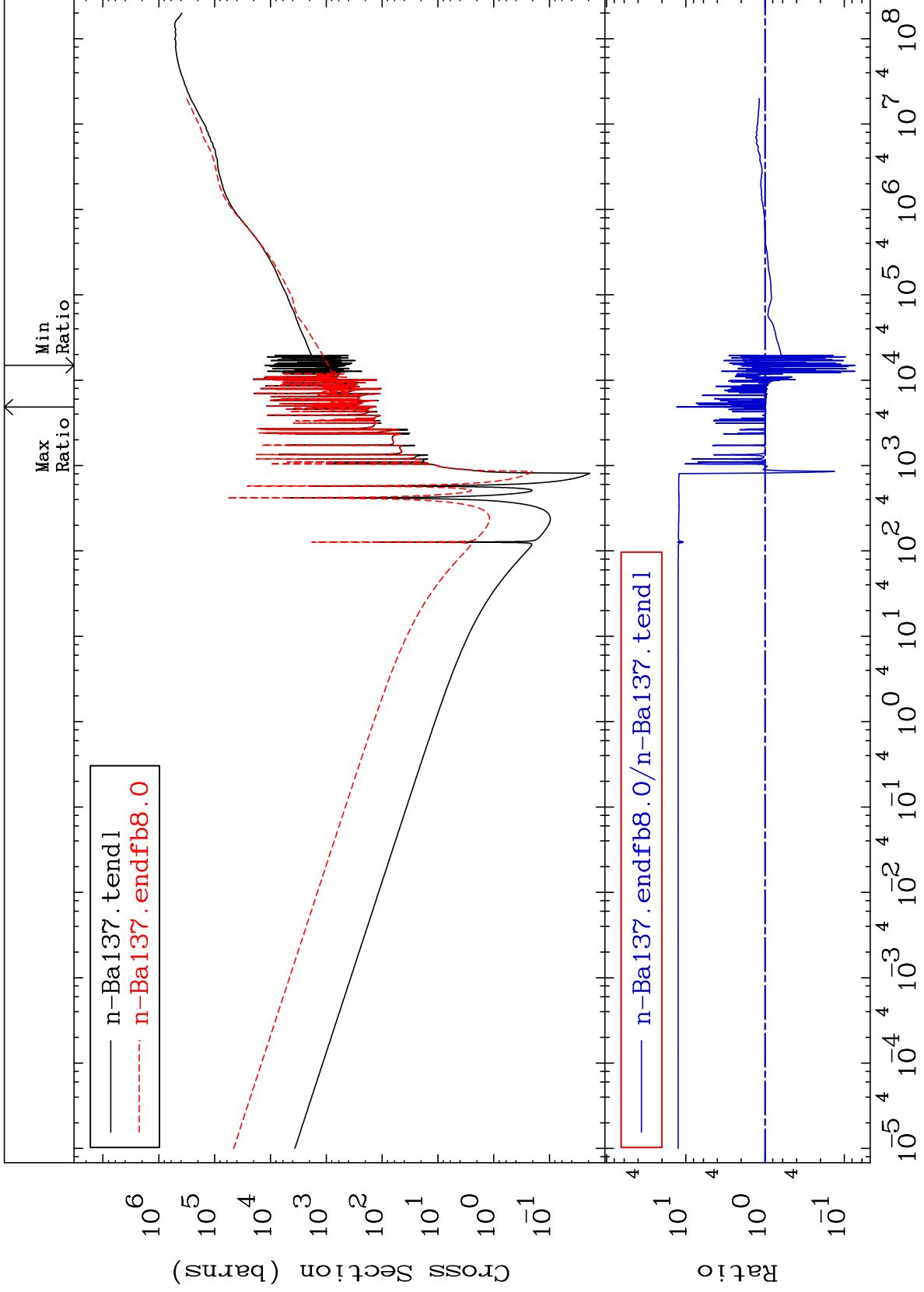
56-Ba-137



MAT 5646

Dpa total (eV-barns)
Cross Section

56-Ba-137
-92.68 To 1196. %



35

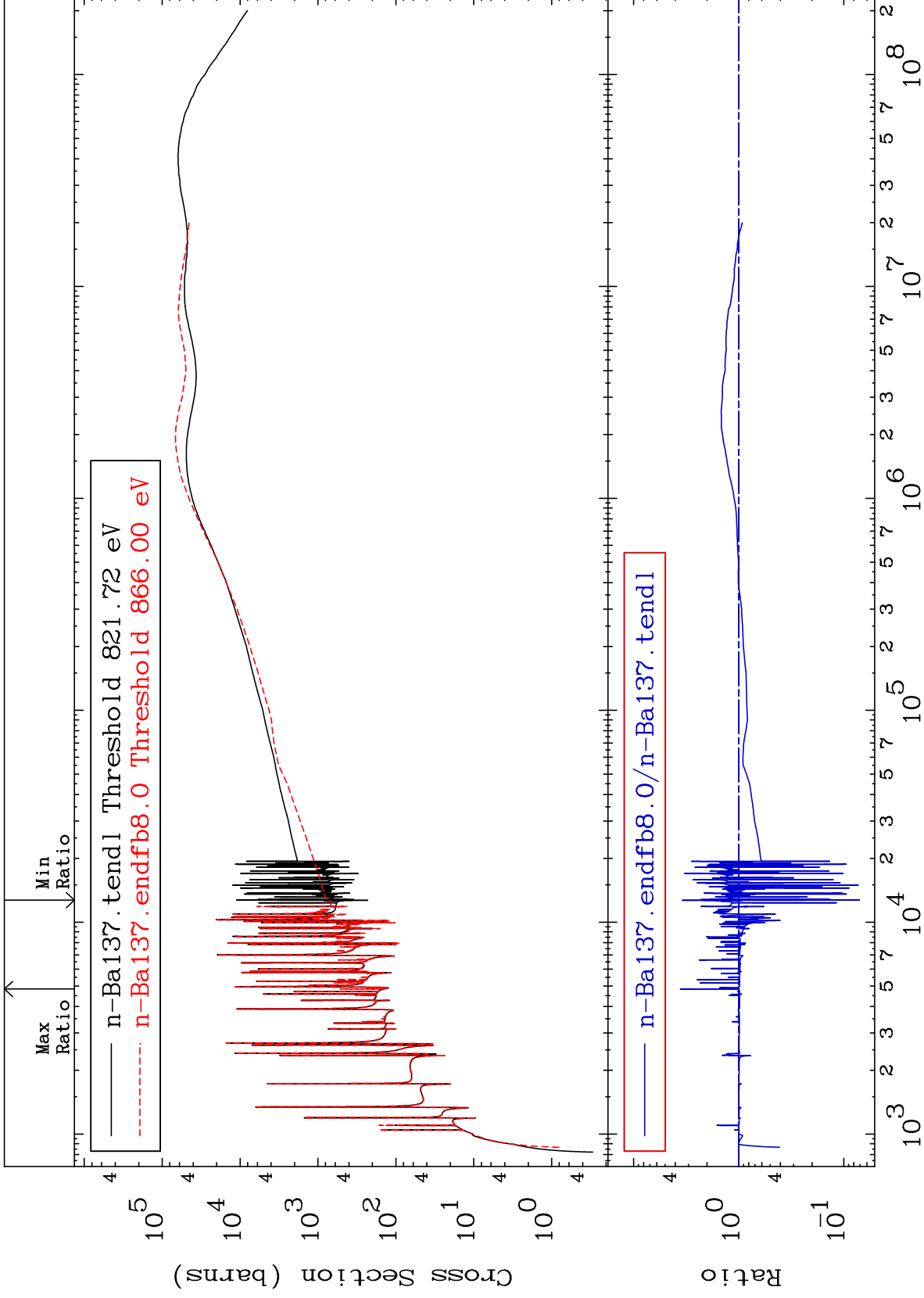
Incident Energy (eV)

56-Ba-137

MAT 5646

Dpa elastic (mt2)
Cross Section

56-Ba-137
-92.91 To 258.4 %



36

Incident Energy (eV)

56-Ba-137

MAT 5646

Dpa inelastic (mt51-91)
Cross Section

56-Ba-137
-56.79 To 436.4 %

