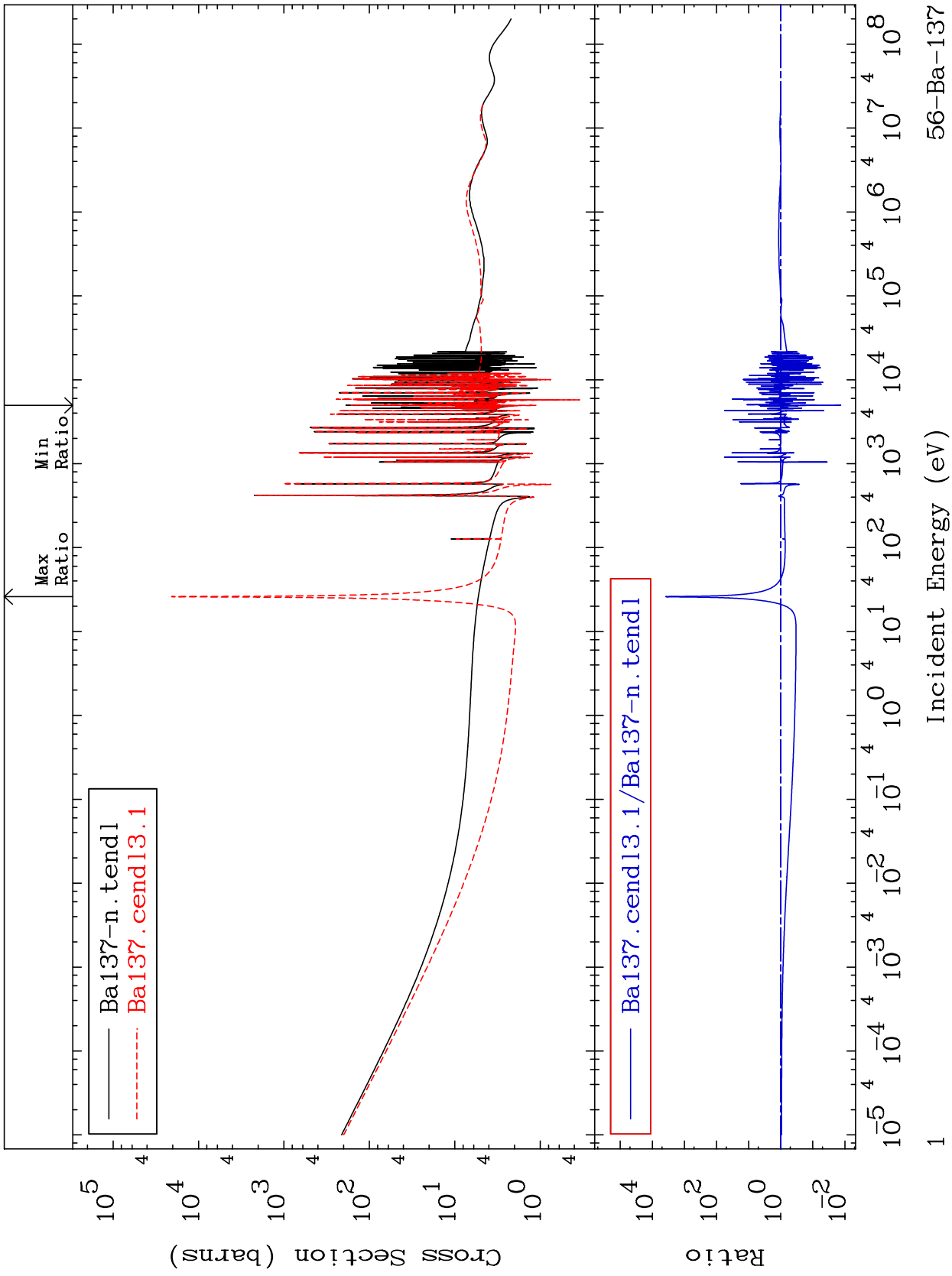


MAT 5646

Total
Cross Section

56-Ba-137
-98.65 To 9999. %

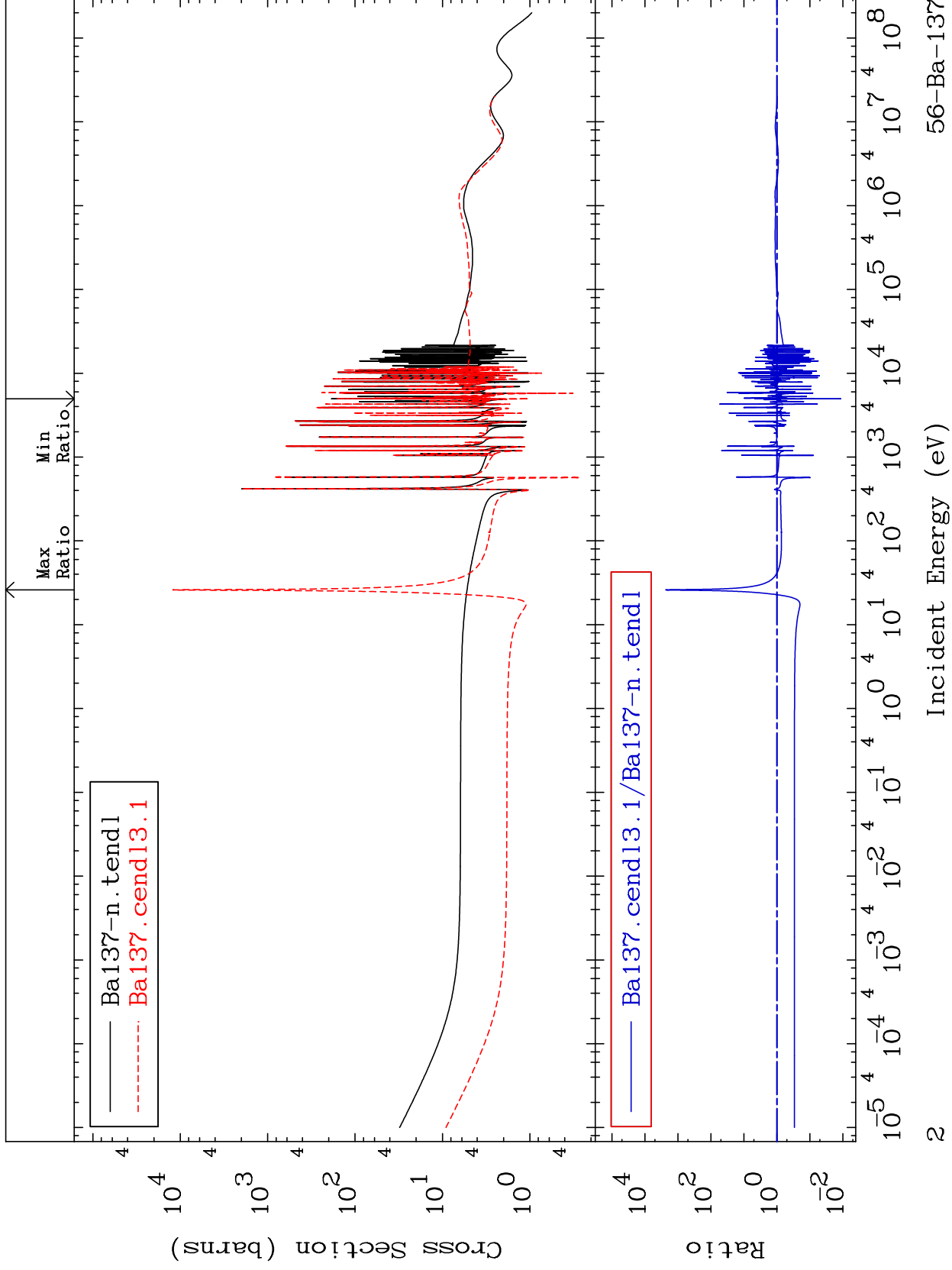


56-Ba-137

MAT 5646

Elastic
Cross Section

56-Ba-137
-98.85 To 9999. %



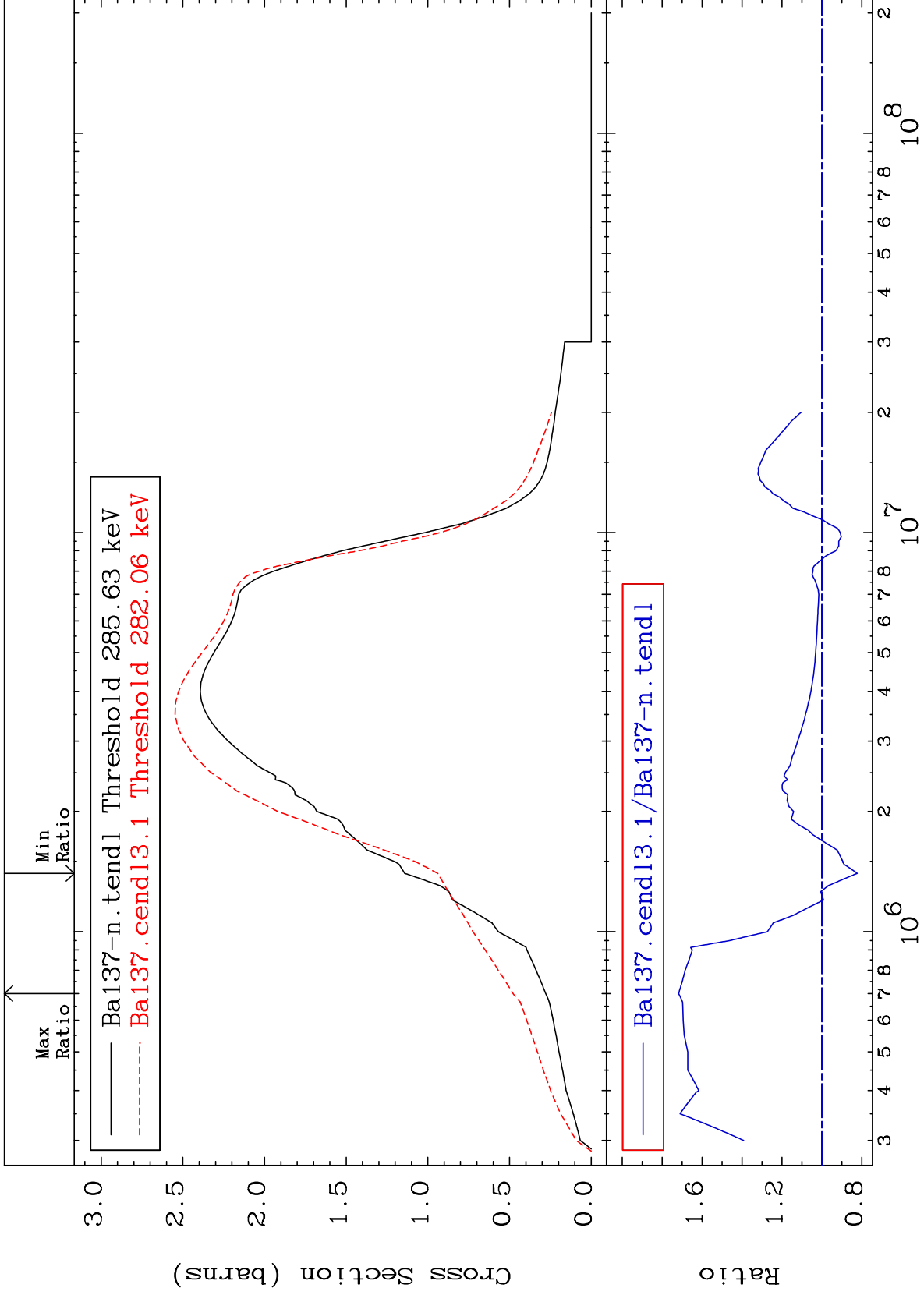
Incident Energy (eV)

56-Ba-137

MAT 5646

Inelastic
Cross Section

56-Ba-137
-17.70 To 71.76 %



3

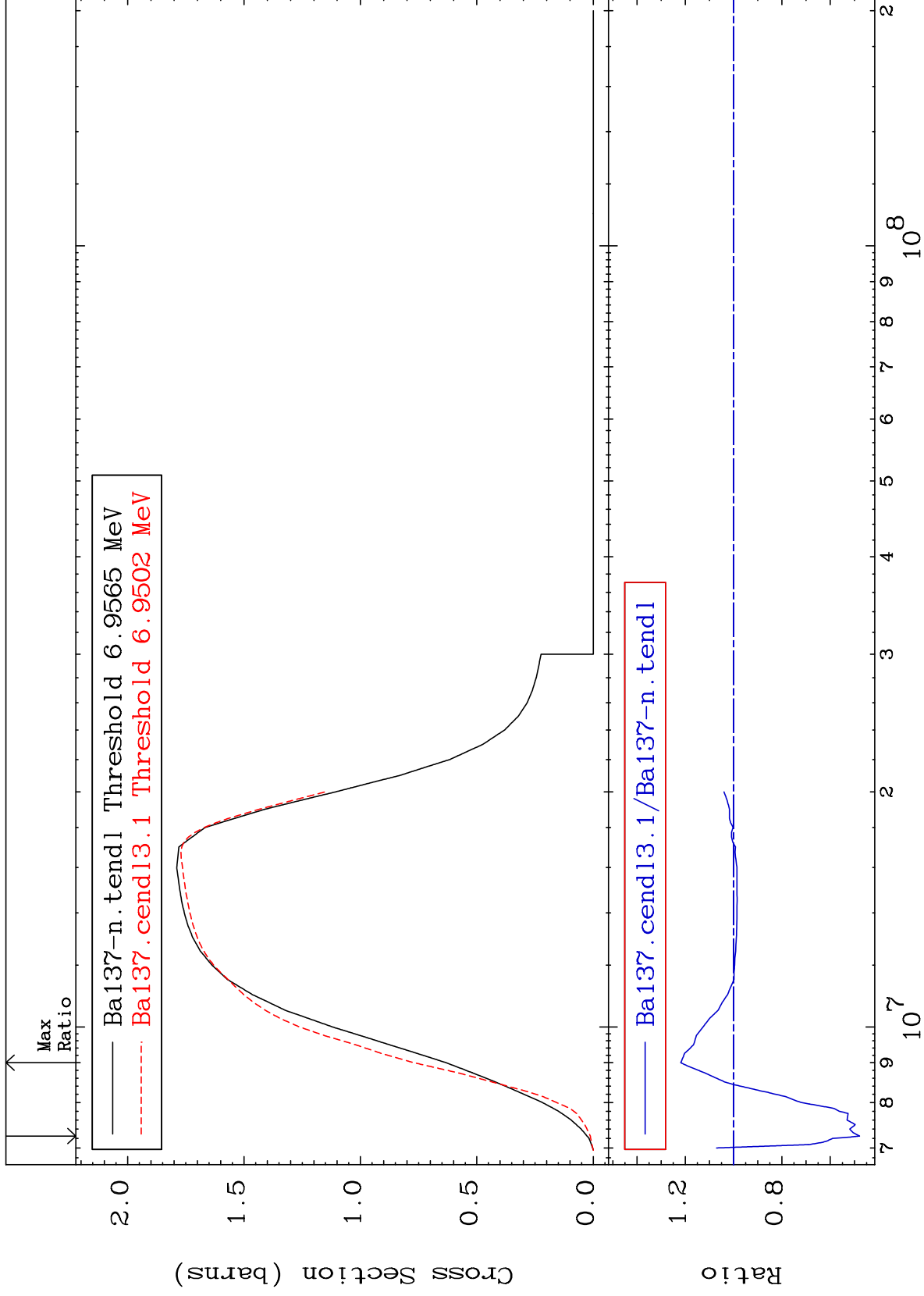
Incident Energy (eV)

56-Ba-137

MAT 5646

(n,2n)
Cross Section

56-Ba-137
-52.10 To 21.87 %



4

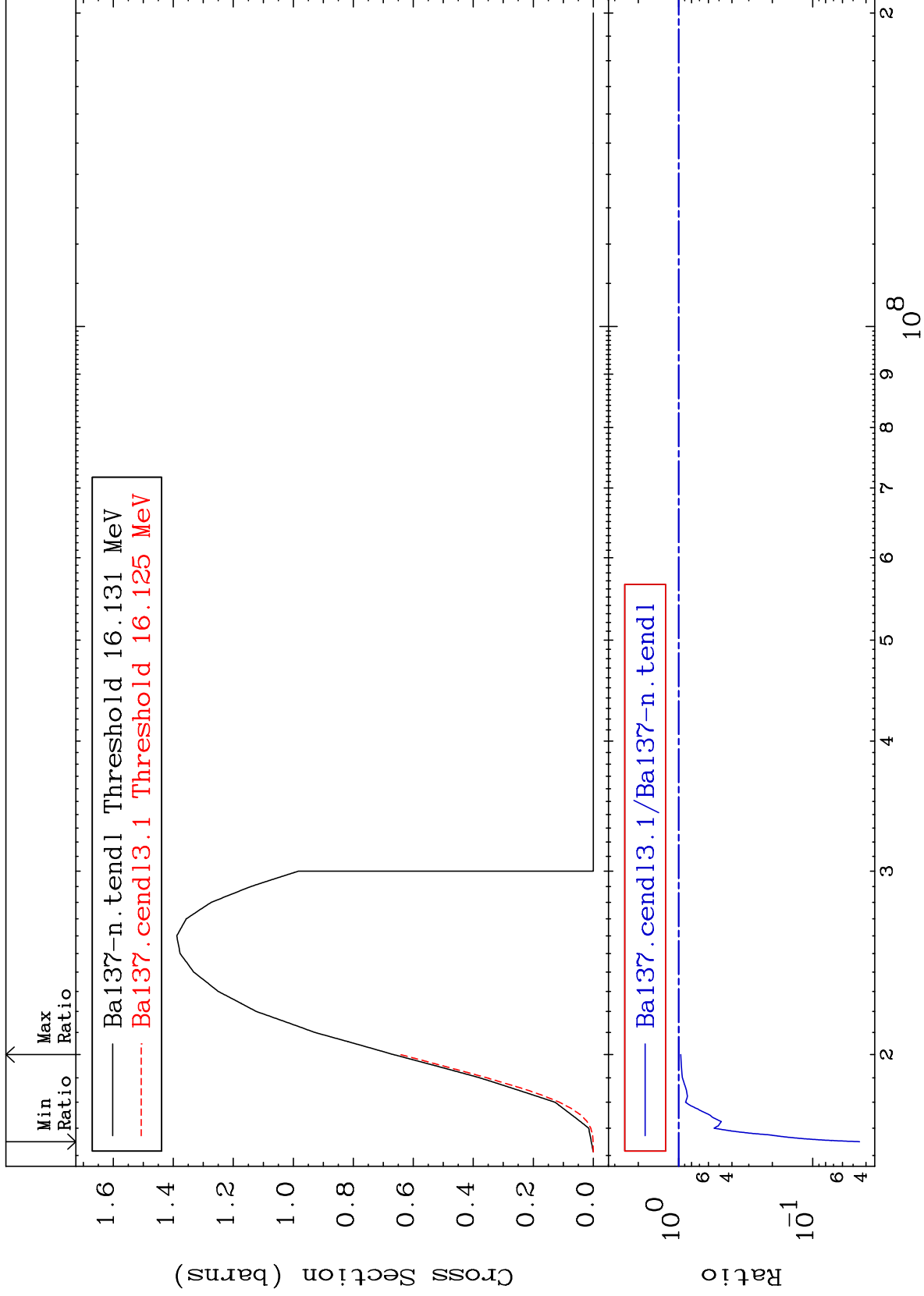
Incident Energy (eV)

56-Ba-137

MAT 5646

(n,3n)
Cross Section

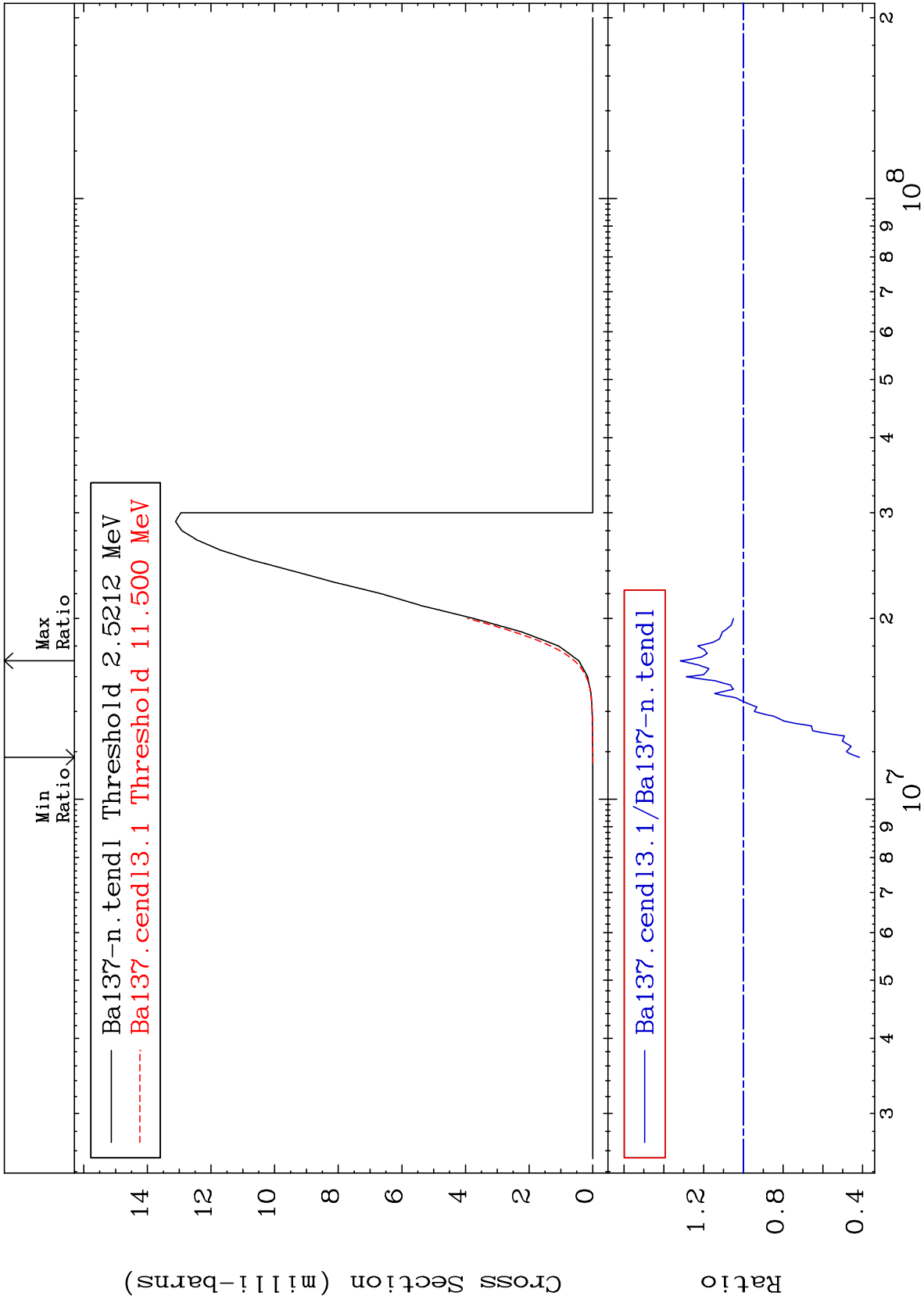
56-Ba-137
-95.53 To -3.610%



MAT 5646

(n, n') α
Cross Section

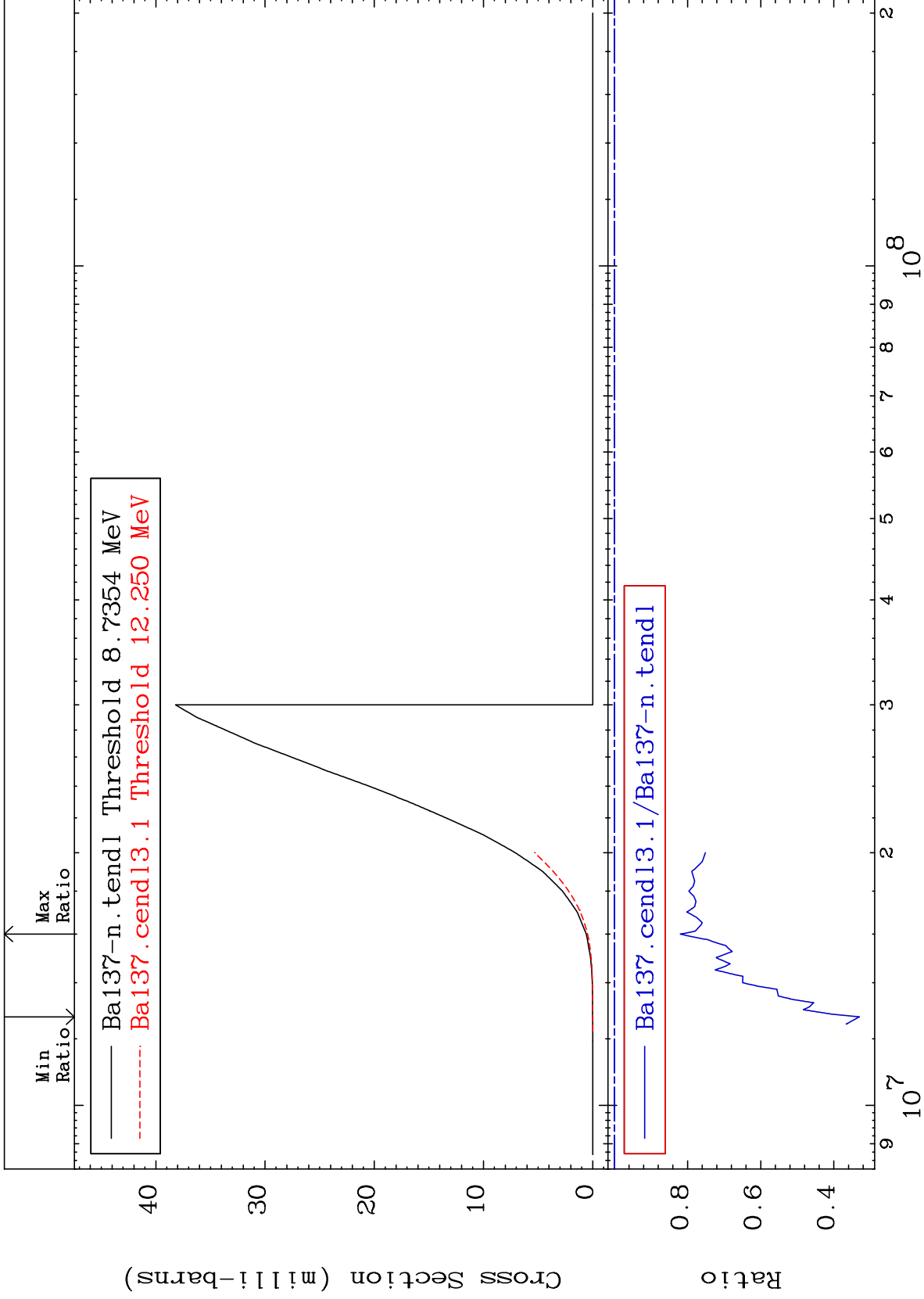
56-Ba-137
-58.39 To 31.67 %



MAT 5646

(n,n') p
Cross Section

56-Ba-137
-66.99 To -18.04%



7

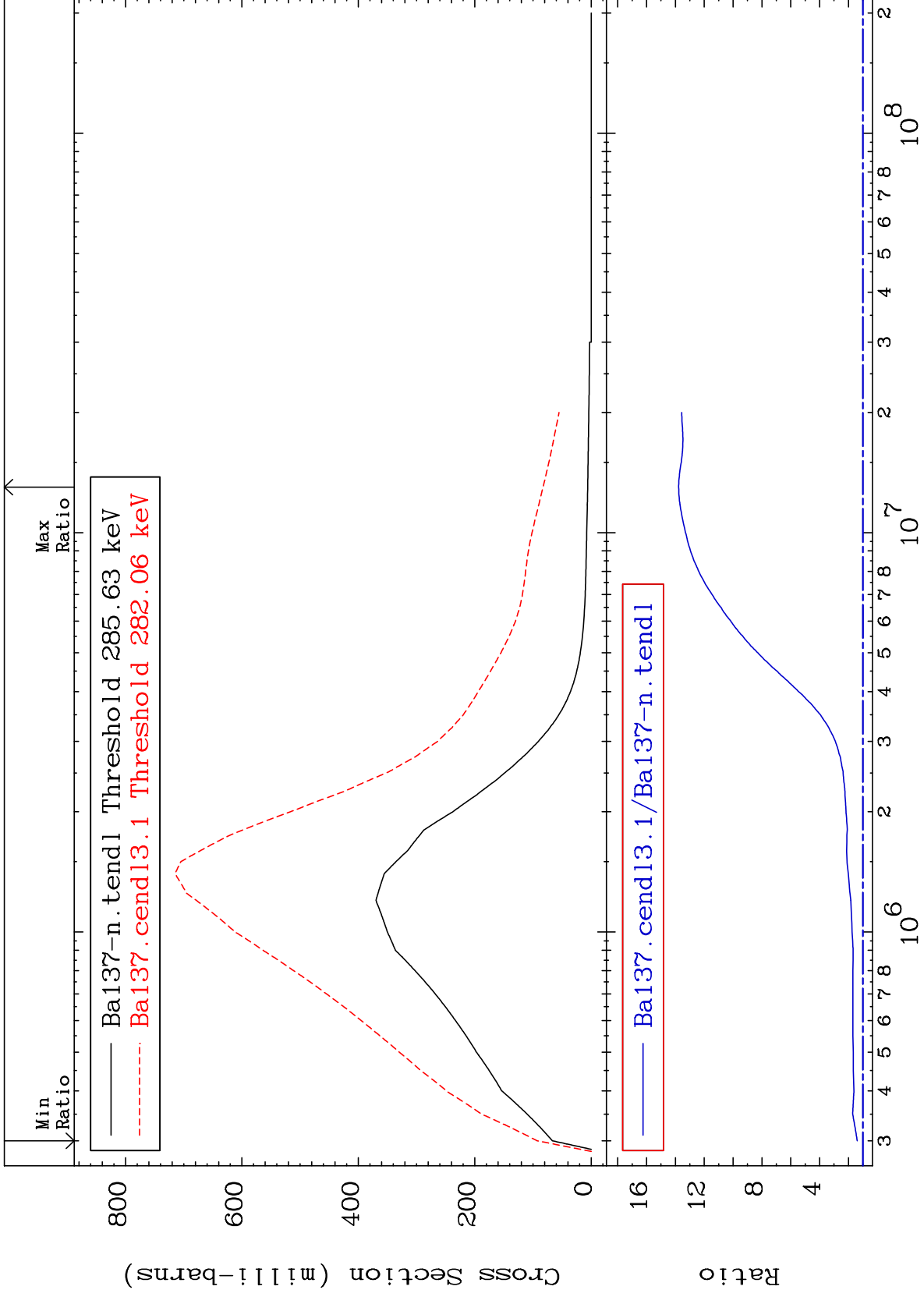
Incident Energy (eV)

56-Ba-137

MAT 5646

283.5 keV (n,n') Level
Cross Section

56-Ba-137
39.17 To 1278. %



8

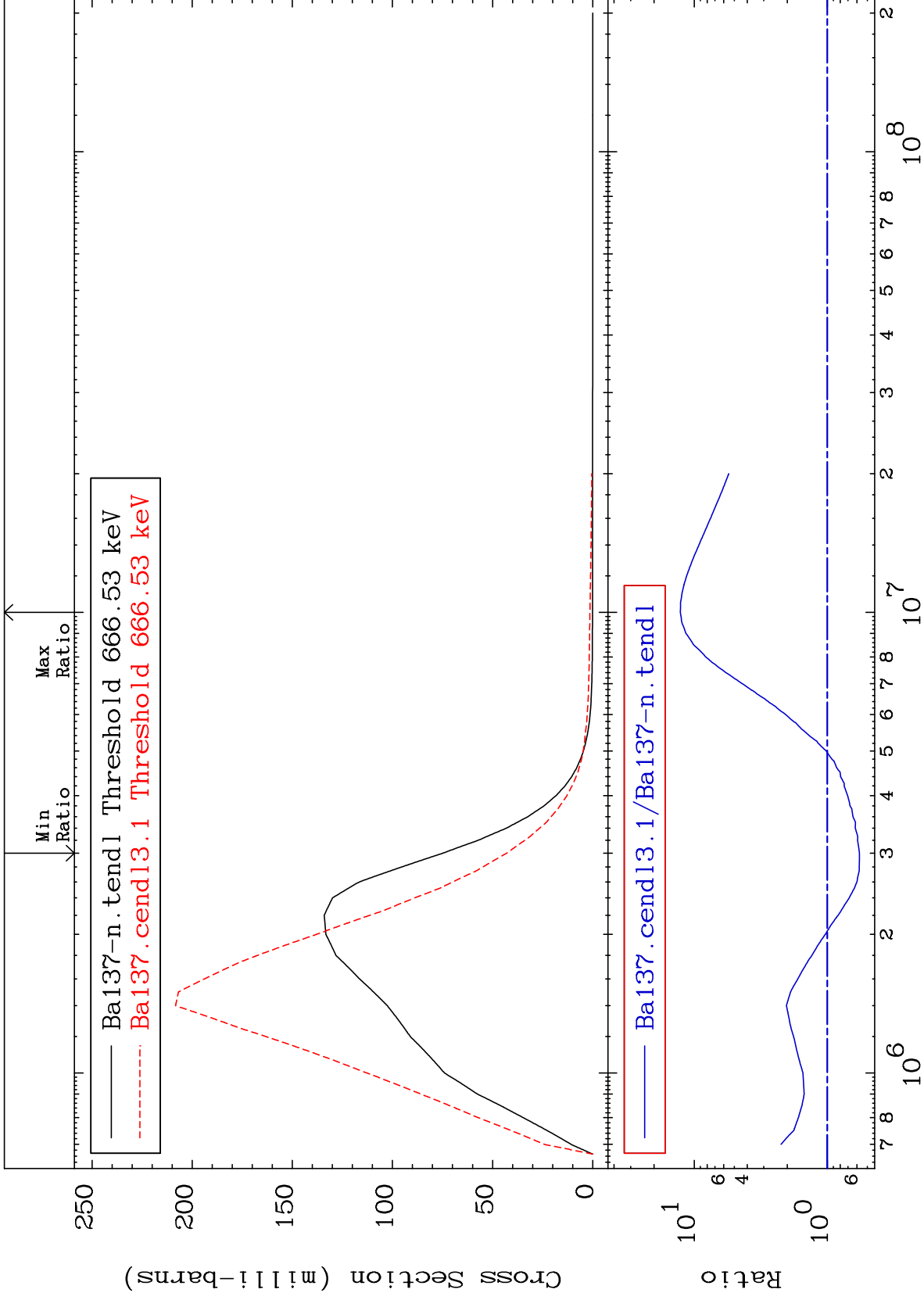
Incident Energy (eV)

56-Ba-137

MAT 5646

661.7 keV (n,n') Level
Cross Section

56-Ba-137
-42.63 To 1171. %



9

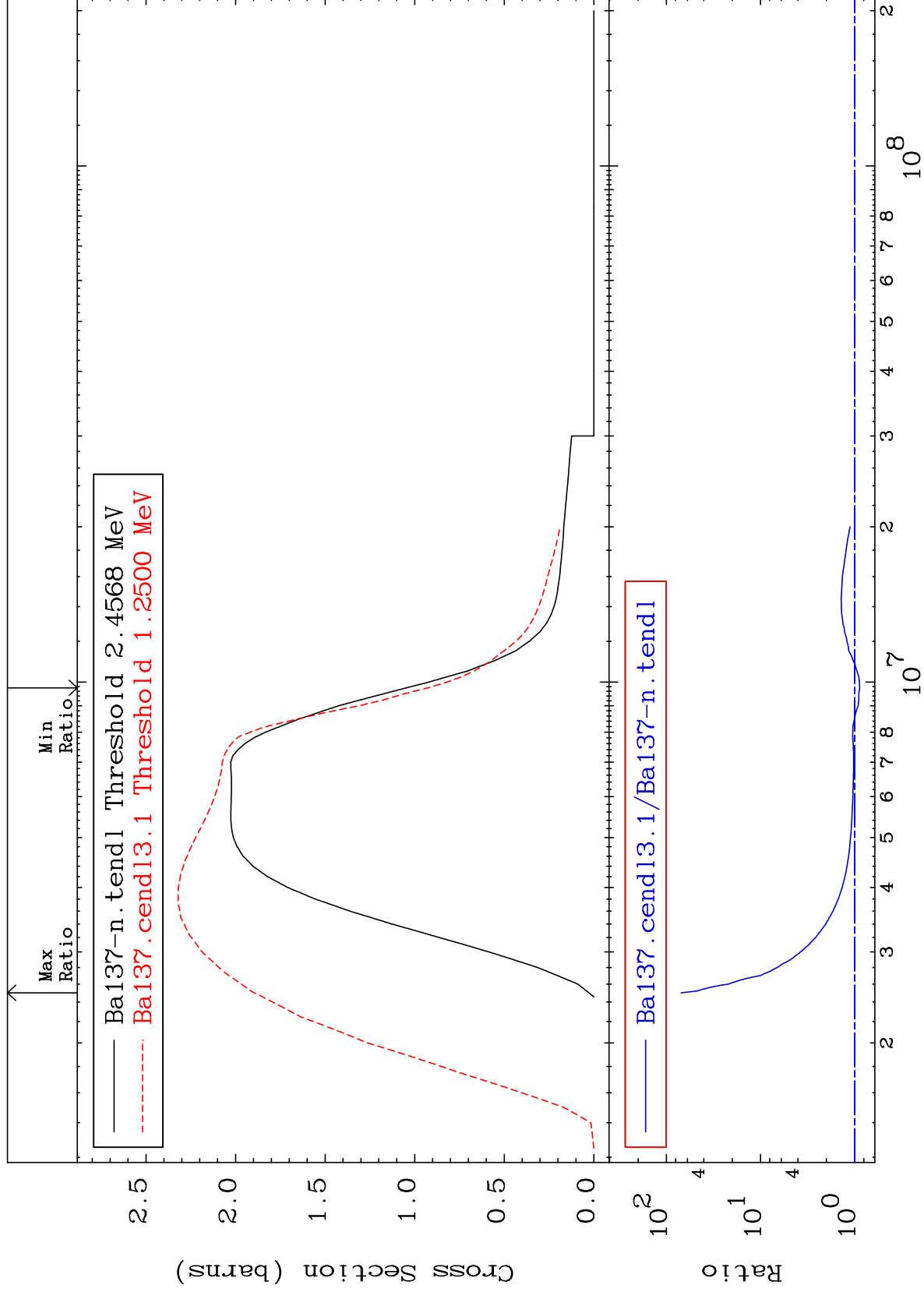
Incident Energy (eV)

56-Ba-137

MAT 5646

(n, n') Continuum
Cross Section

56-Ba-137
-11.52 To 6865. %



10

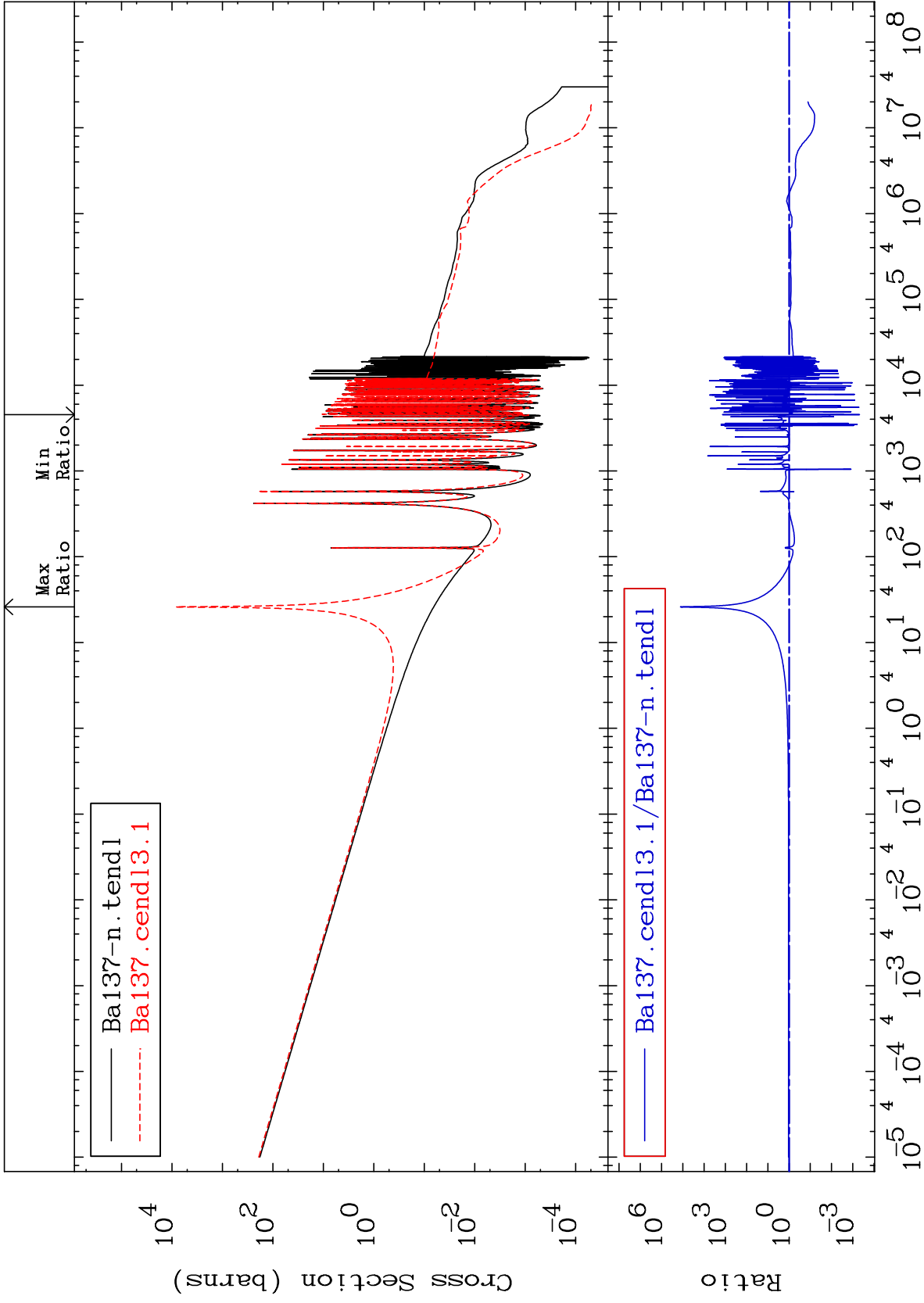
Incident Energy (eV)

56-Ba-137

MAT 5646

(n, γ)
Cross Section

56-Ba-137
-99.95 To 9999. %



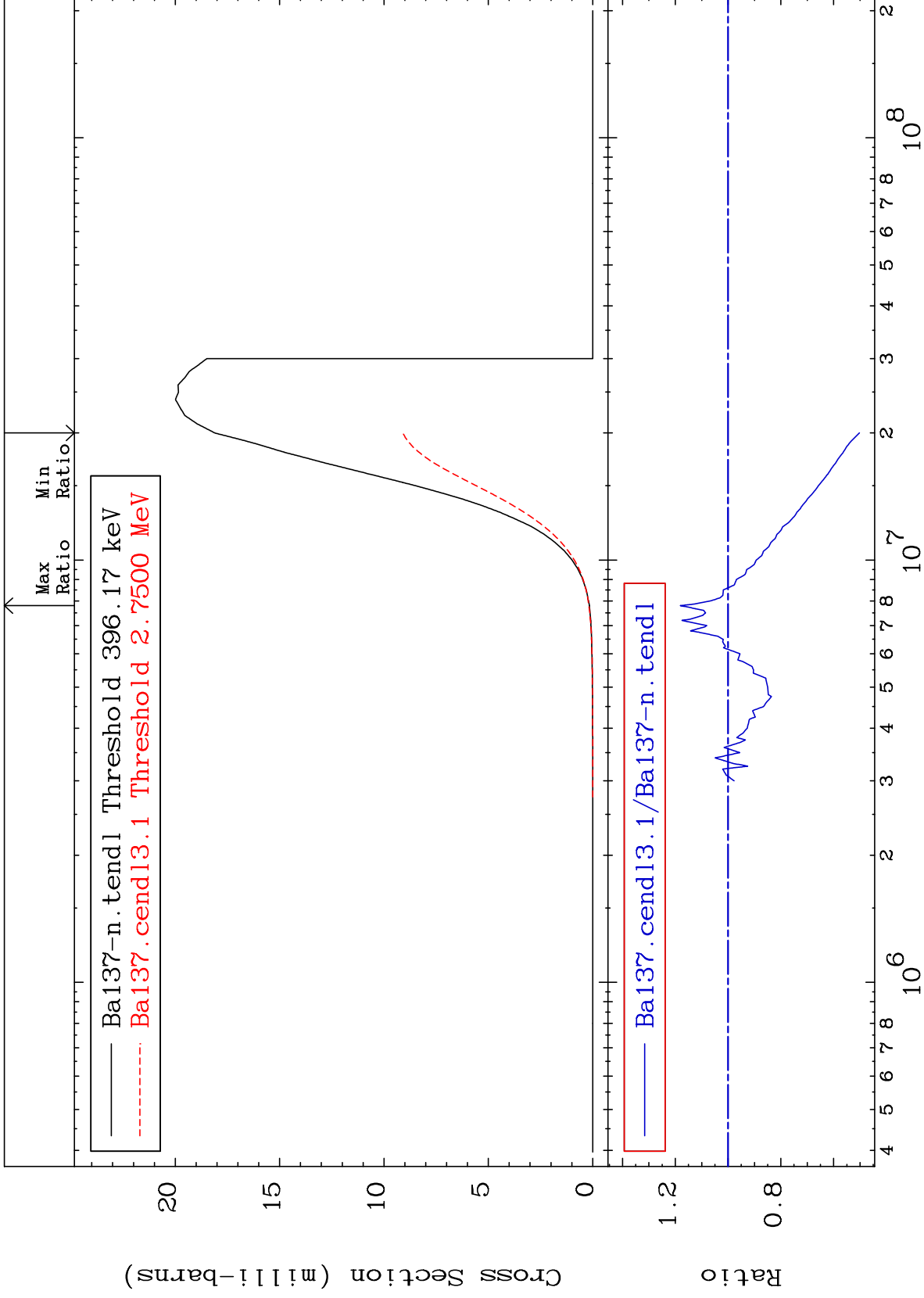
MAT 5646

(n, p)

56-Ba-137

Cross Section

-49.78 To 18.09 %



12

56-Ba-137

56-Ba-137

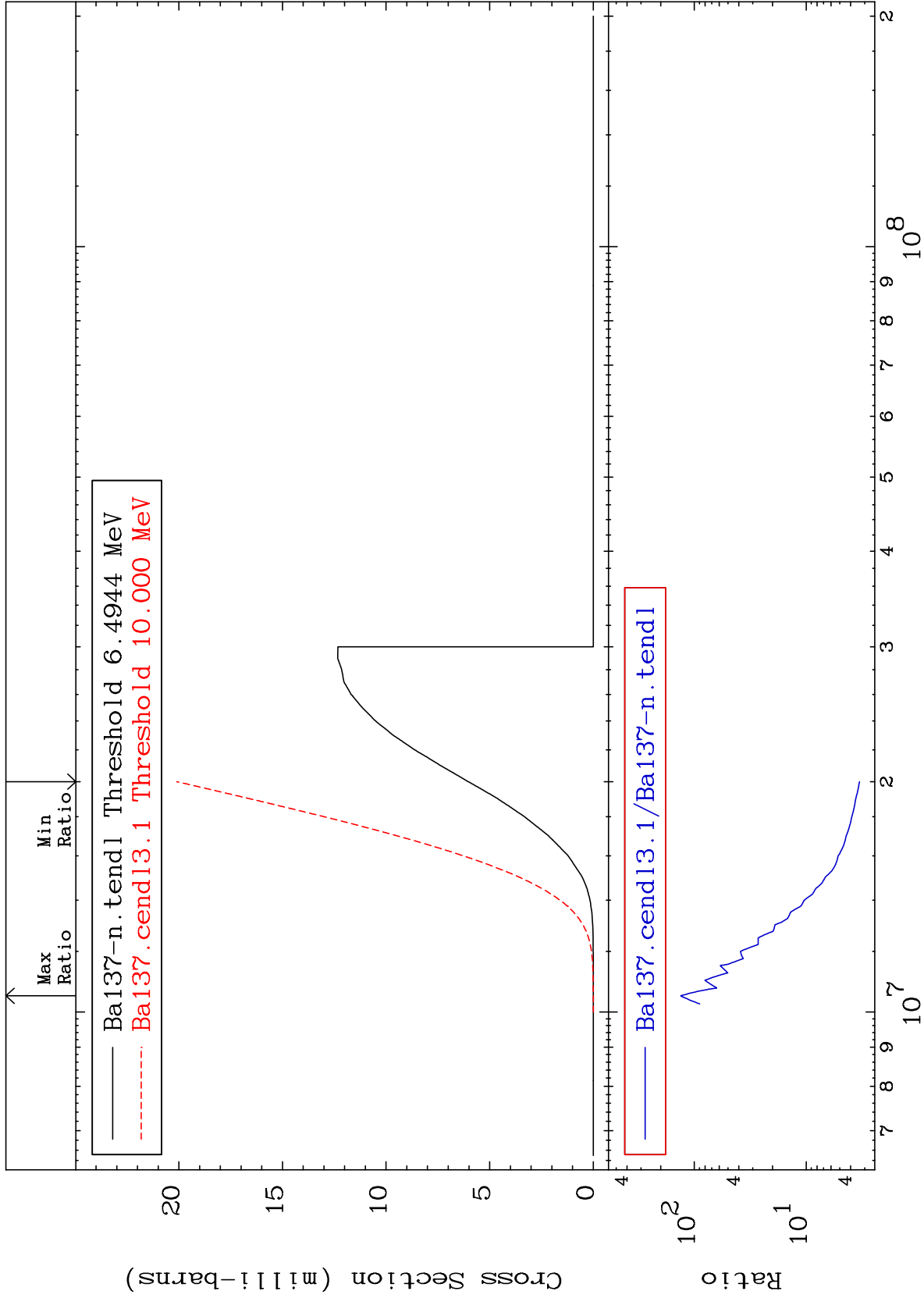
MAT 5646

(n, d)

56-Ba-137

Cross Section

233.3 To 9999. %



13

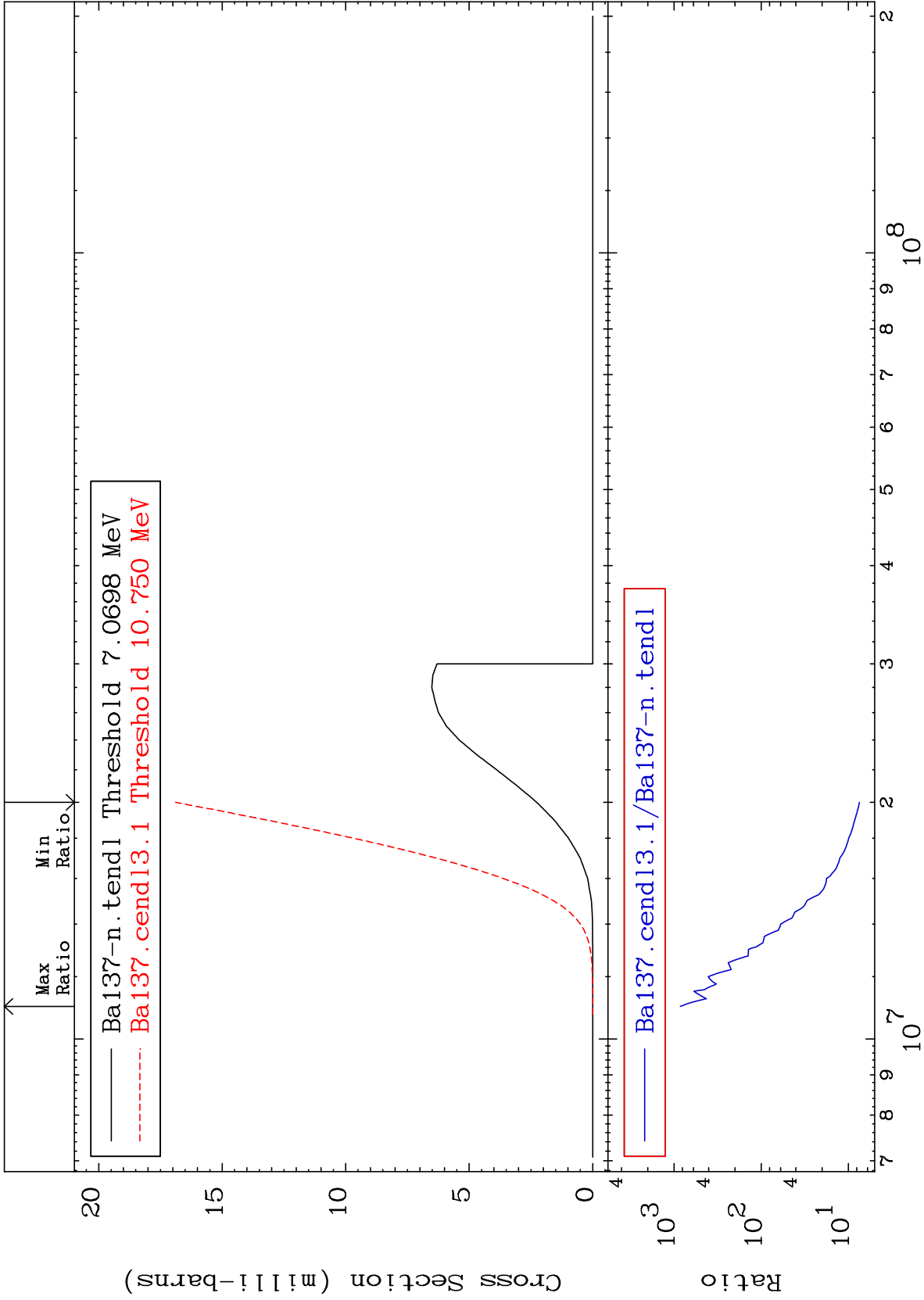
Incident Energy (eV)

56-Ba-137

MAT 5646

(n, t)
Cross Section

56-Ba-137
645.4 To 9999. %



14

Incident Energy (eV)

56-Ba-137

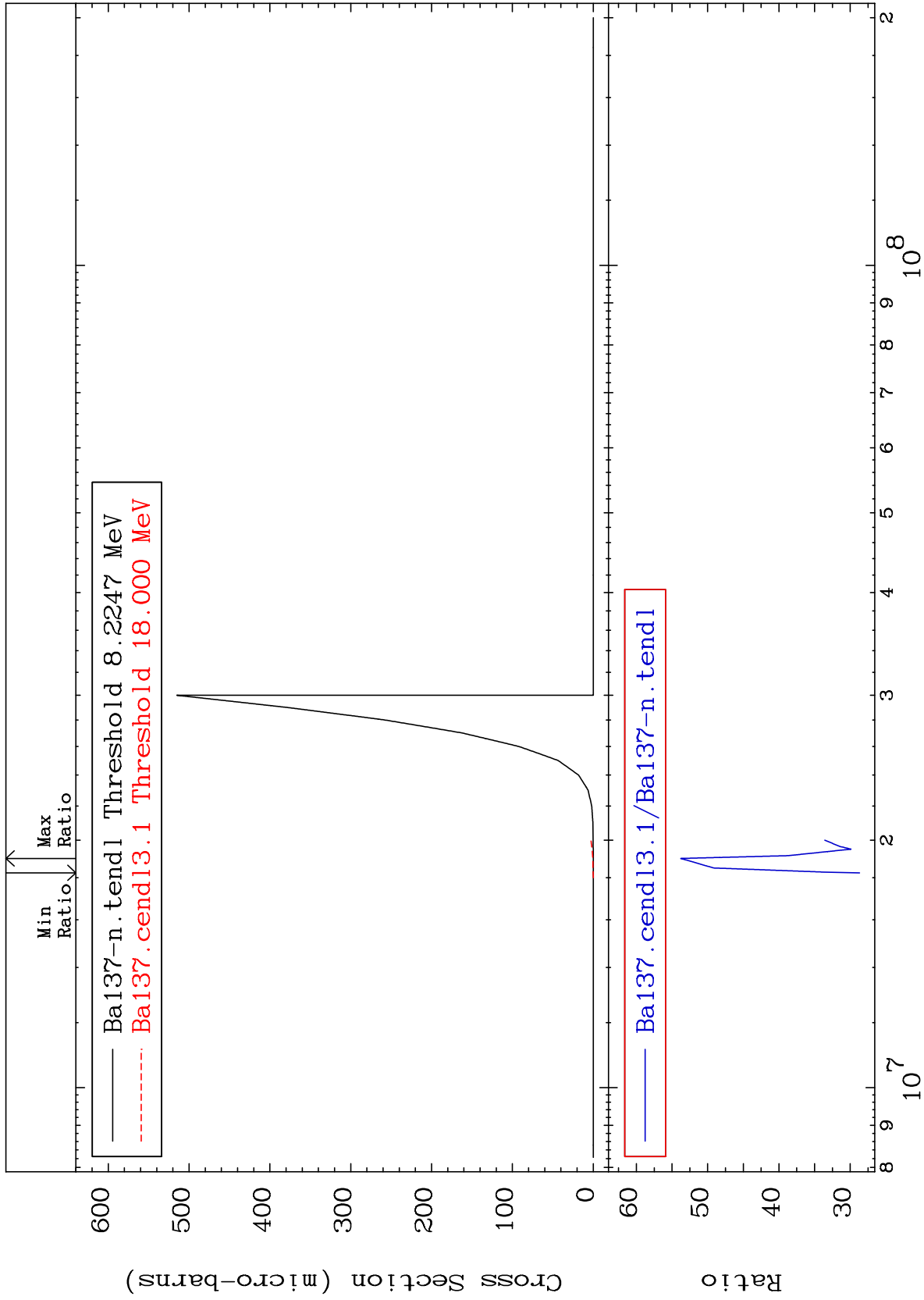
MAT 5646

(n, He-3)

56-Ba-137

Cross Section

2769. To 5277. %



15

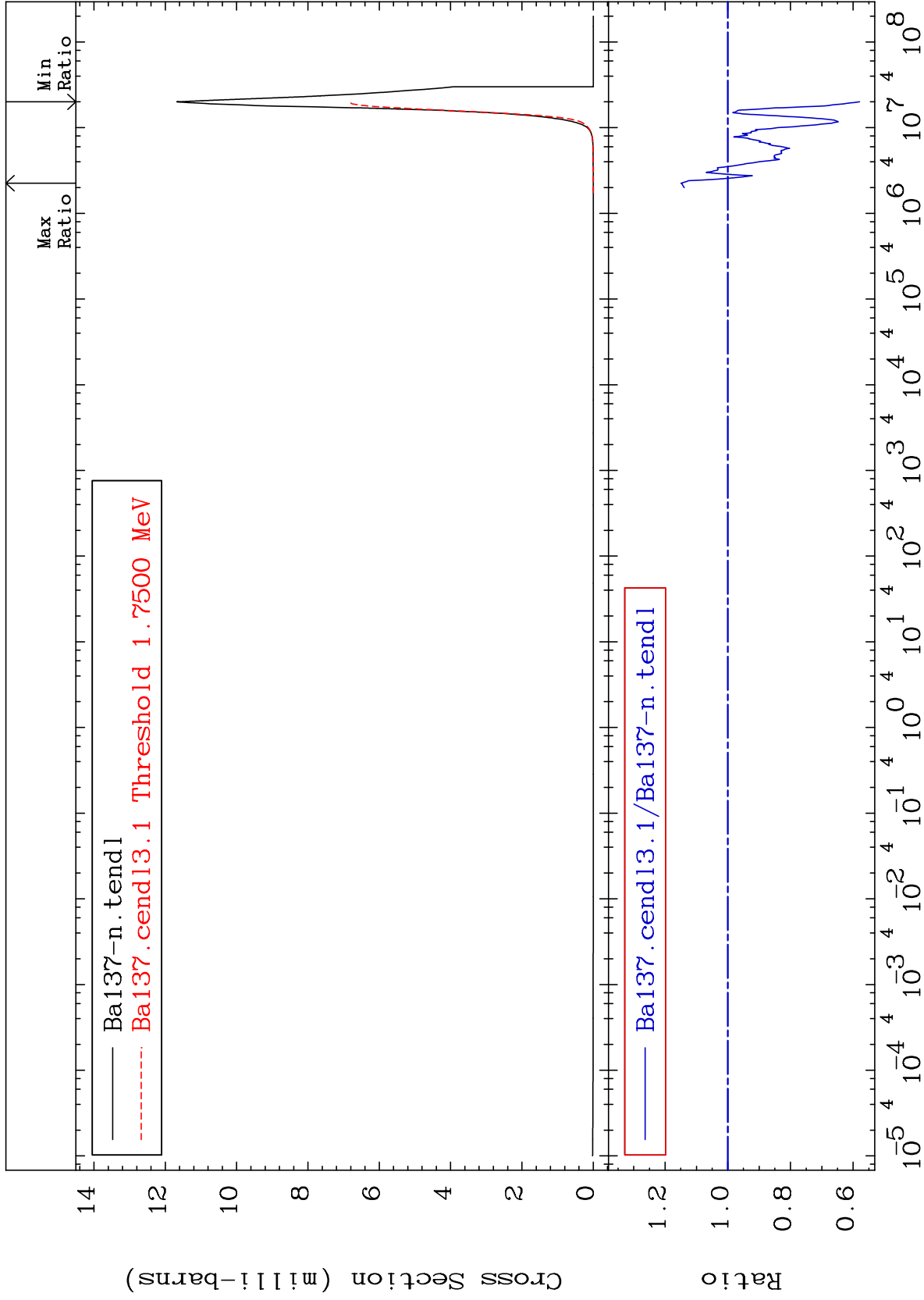
56-Ba-137

56-Ba-137

MAT 5646

(n, α)
Cross Section

56-Ba-137
-42.03 To 15.01 %



16

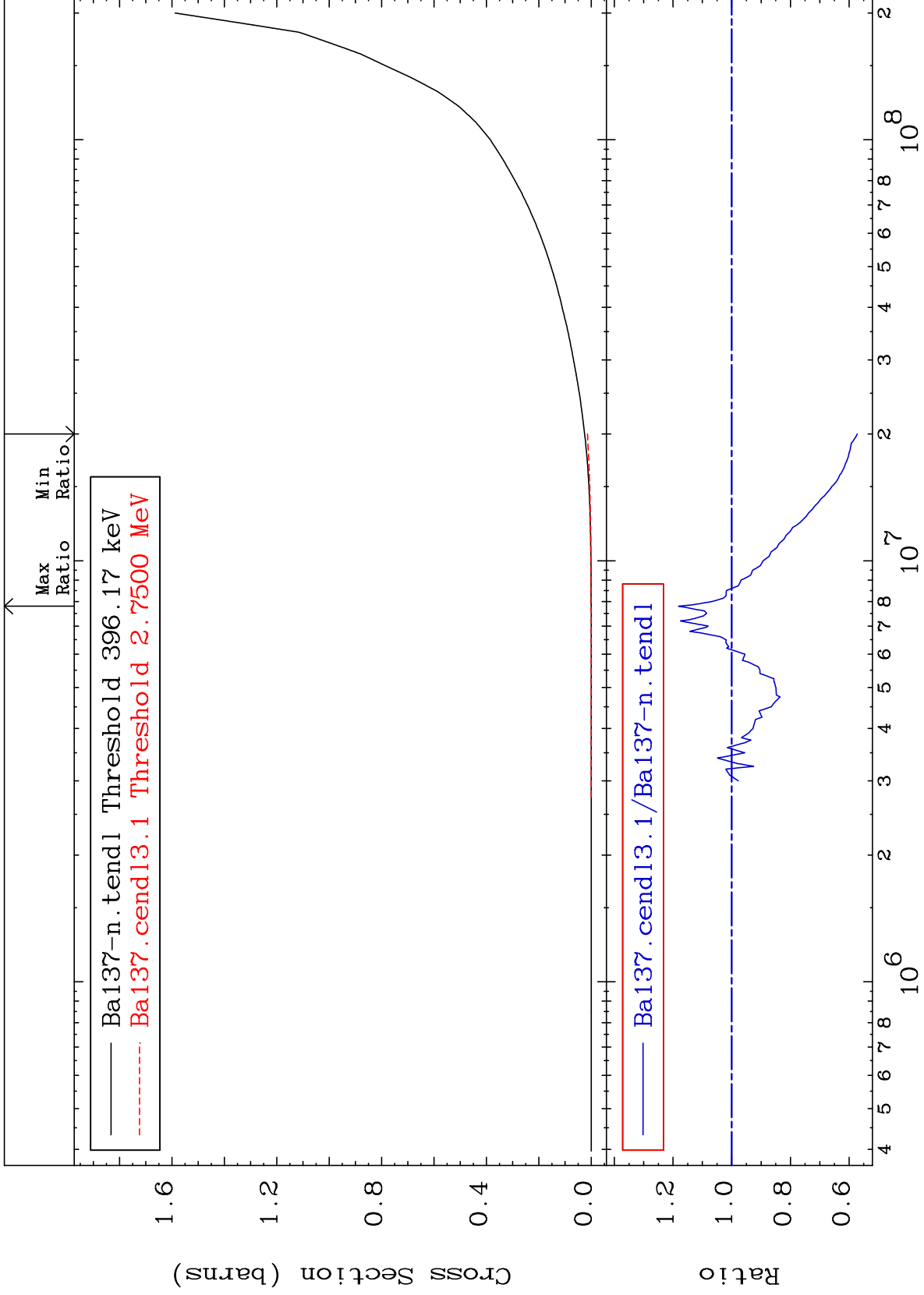
Incident Energy (eV)

56-Ba-137

MAT 5646

Hydrogen Production
Cross Section

56-Ba-137
-42.77 To 18.09 %



17

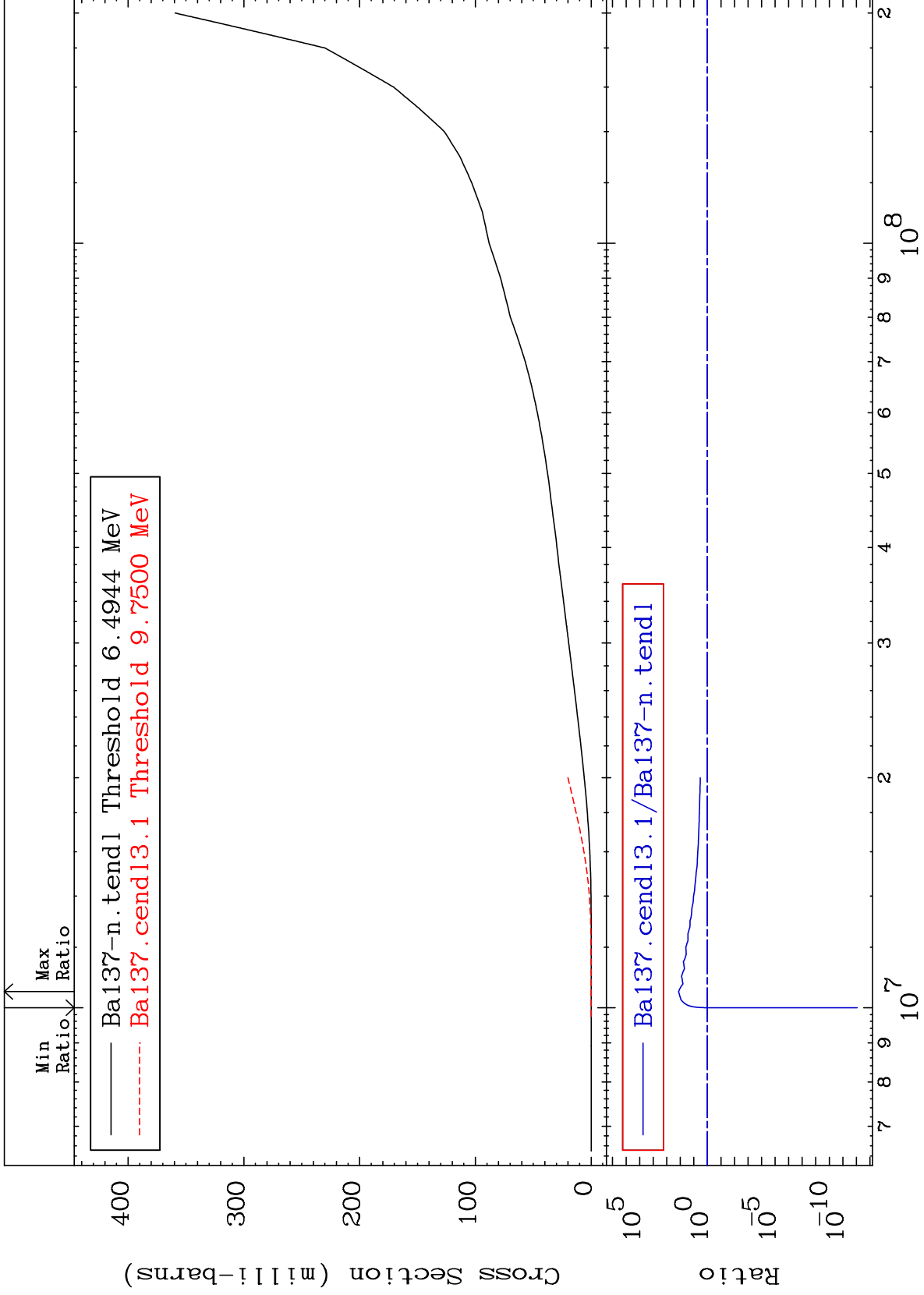
Incident Energy (eV)

56-Ba-137

MAT 5646

Deuterium Production
Cross Section

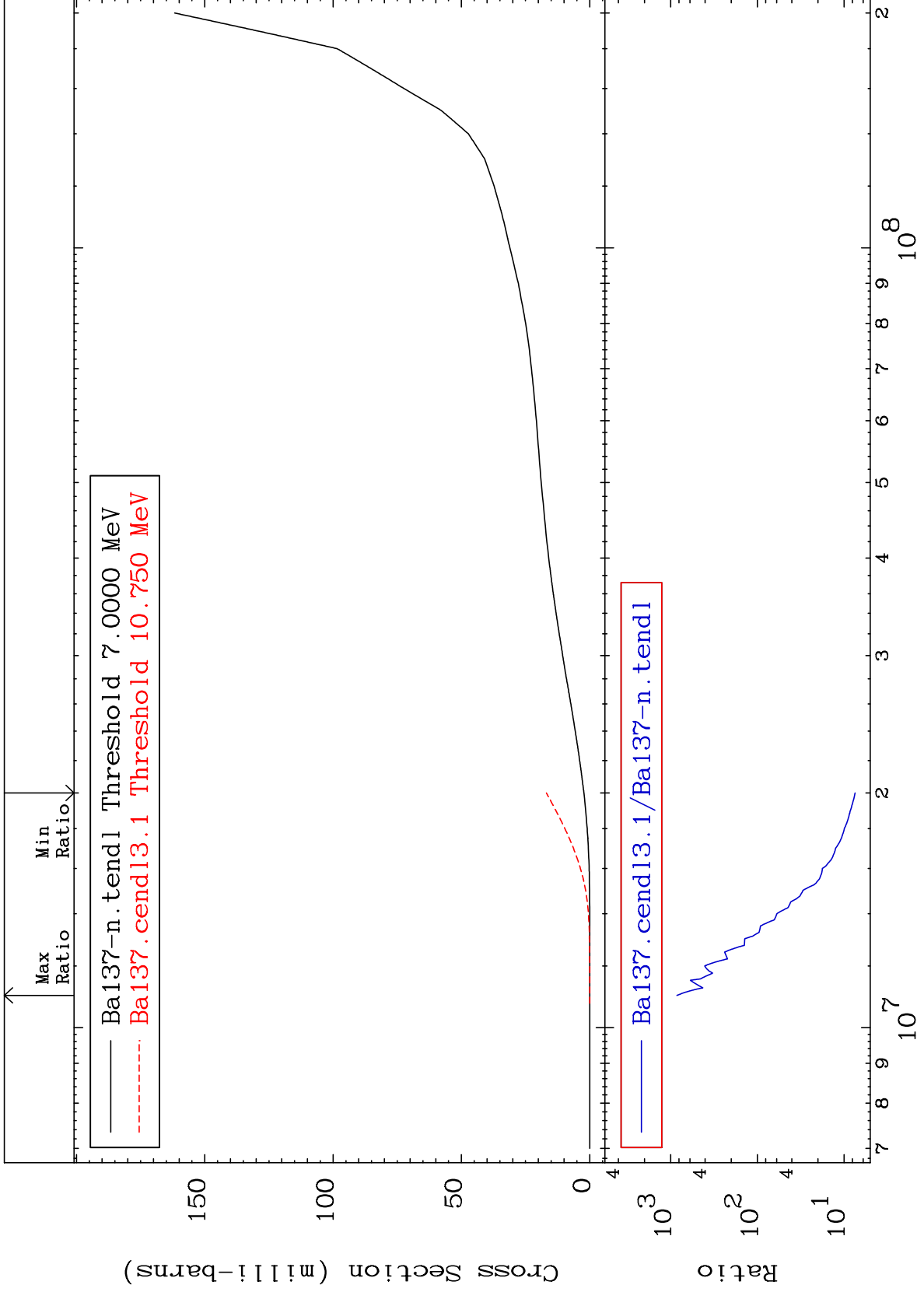
56-Ba-137
-100.0 To 9999. %



MAT 5646

Tritium Production
Cross Section

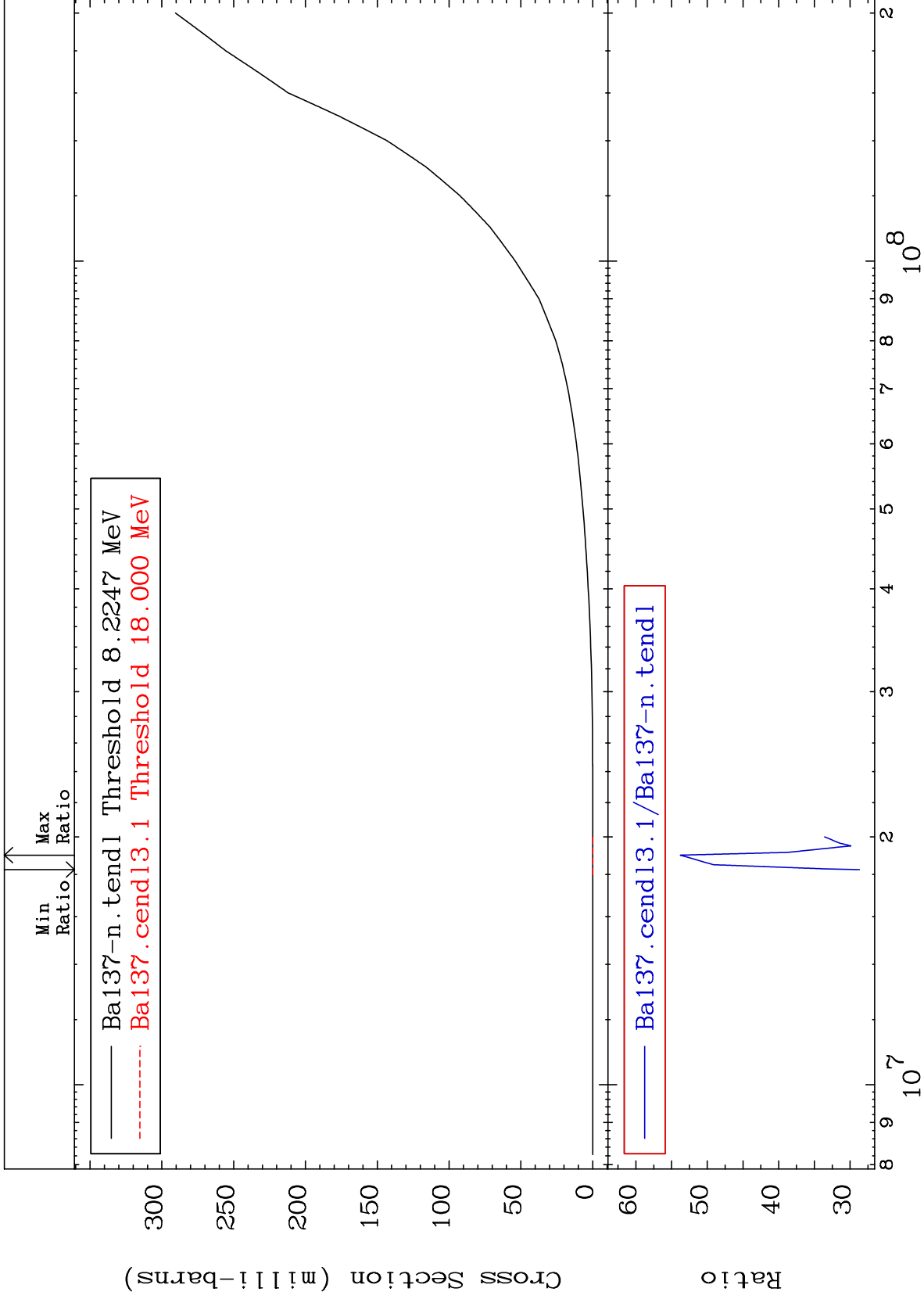
56-Ba-137
645.4 To 9999. %



MAT 5646

He-3 Production
Cross Section

56-Ba-137
2769. To 5277. %



20

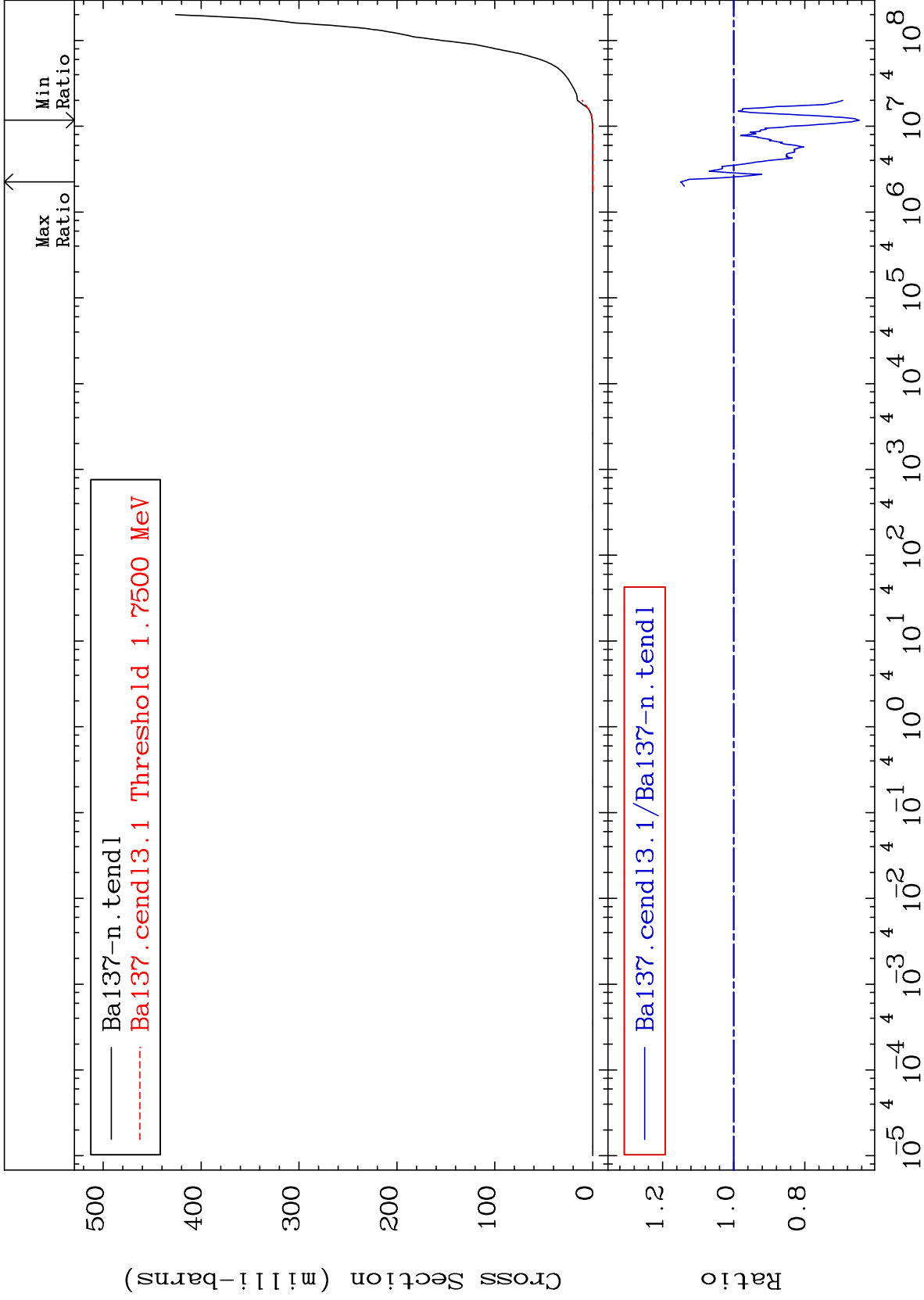
Incident Energy (eV)

56-Ba-137

MAT 5646

He-4 Production
Cross Section

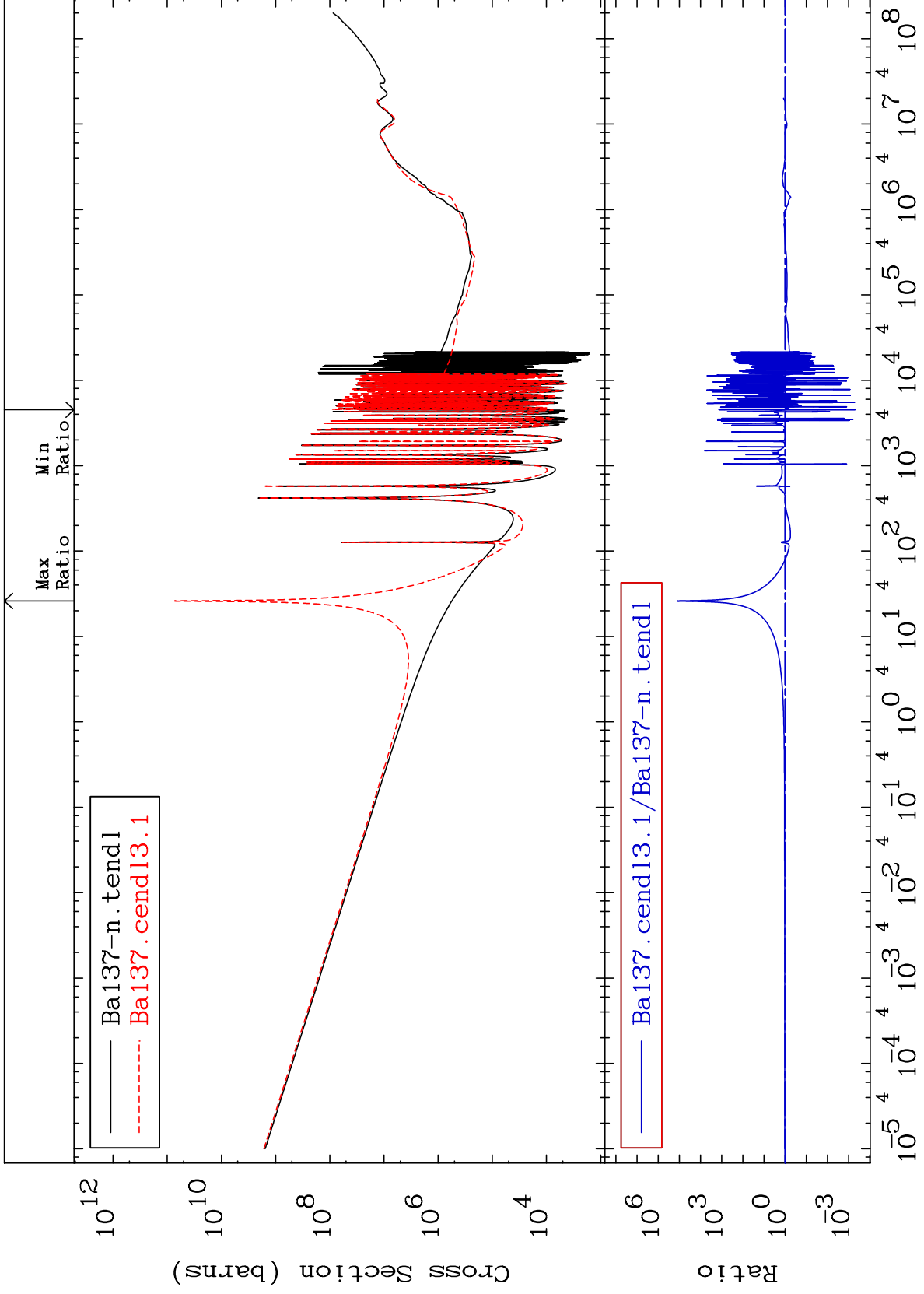
56-Ba-137
-35.35 To 15.01 %



21

Incident Energy (eV)

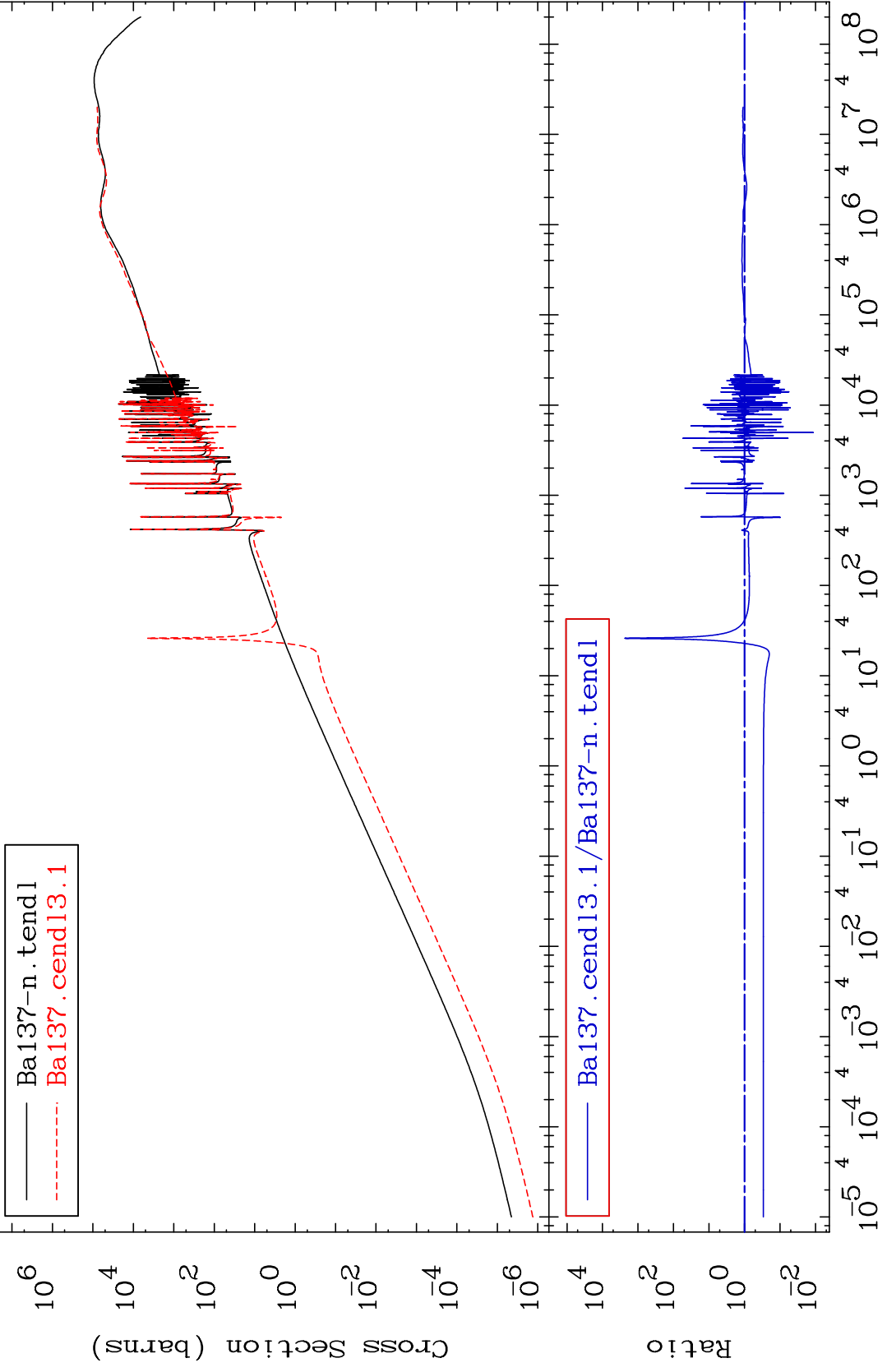
56-Ba-137

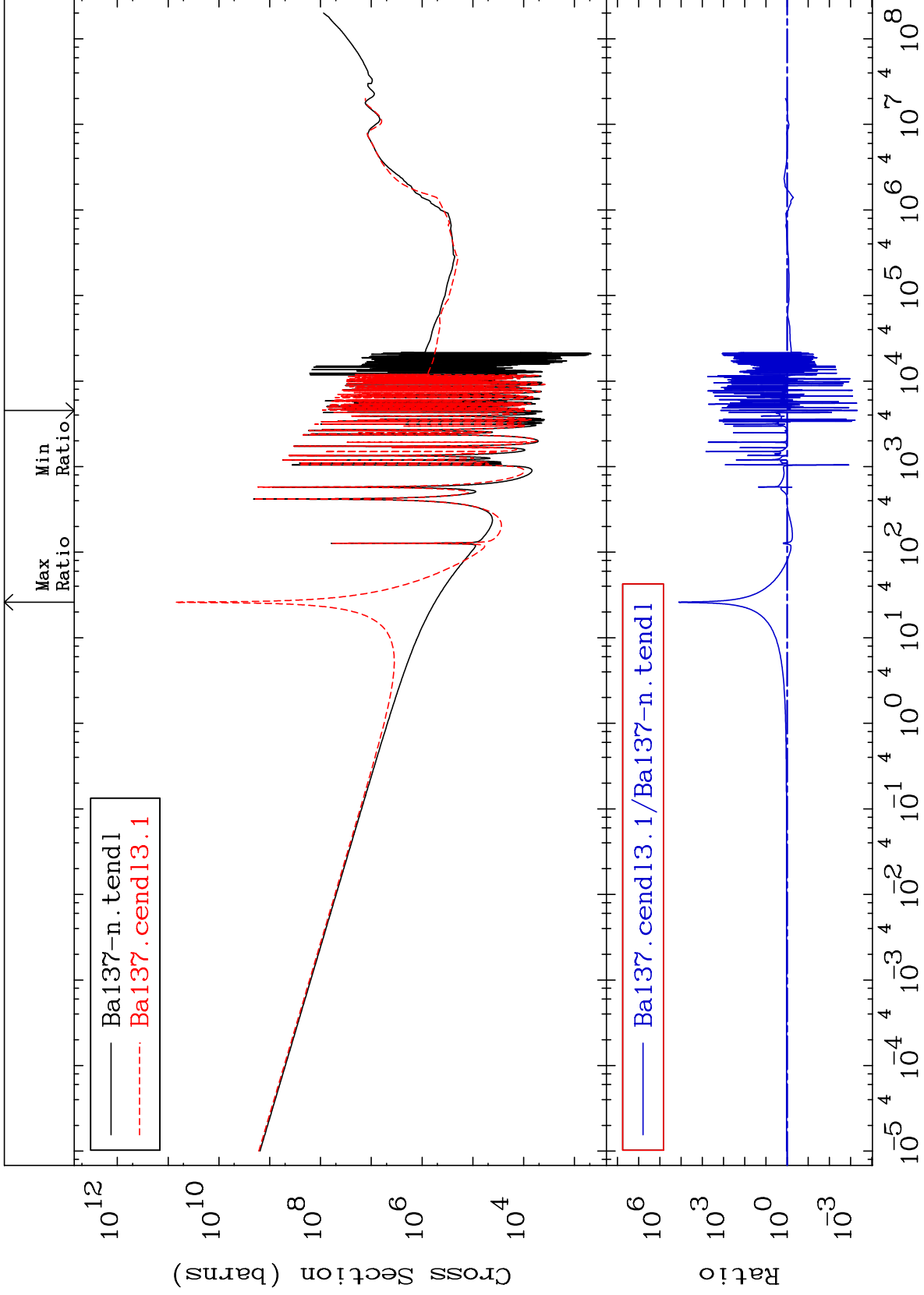


MAT 5646

Kerma elastic
Cross Section

56-Ba-137
-98.85 To 9999. %

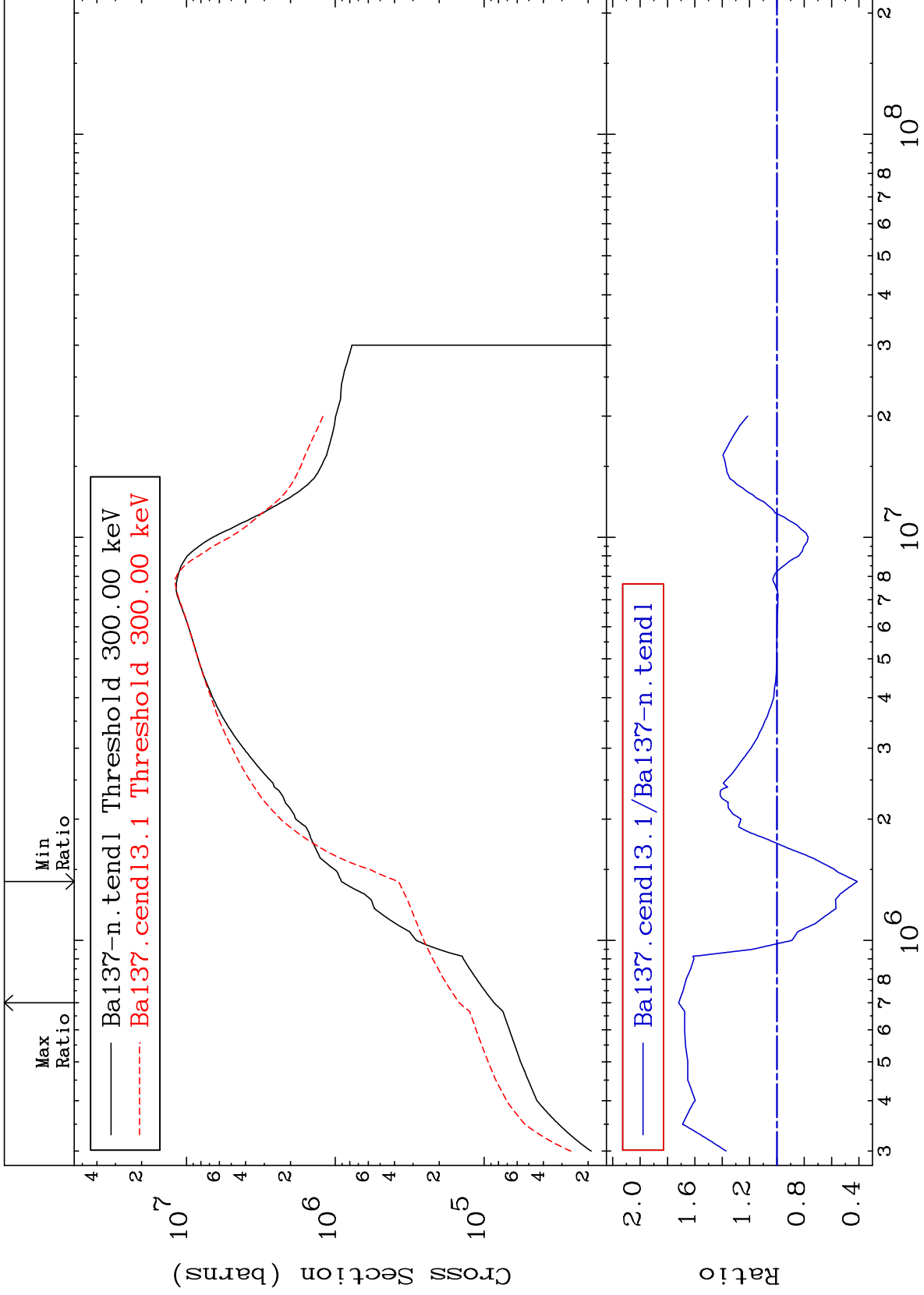




MAT 5646

Kerma inelastic (mt51-91)
Cross Section

56-Ba-137
-58.73 To 71.84 %



25

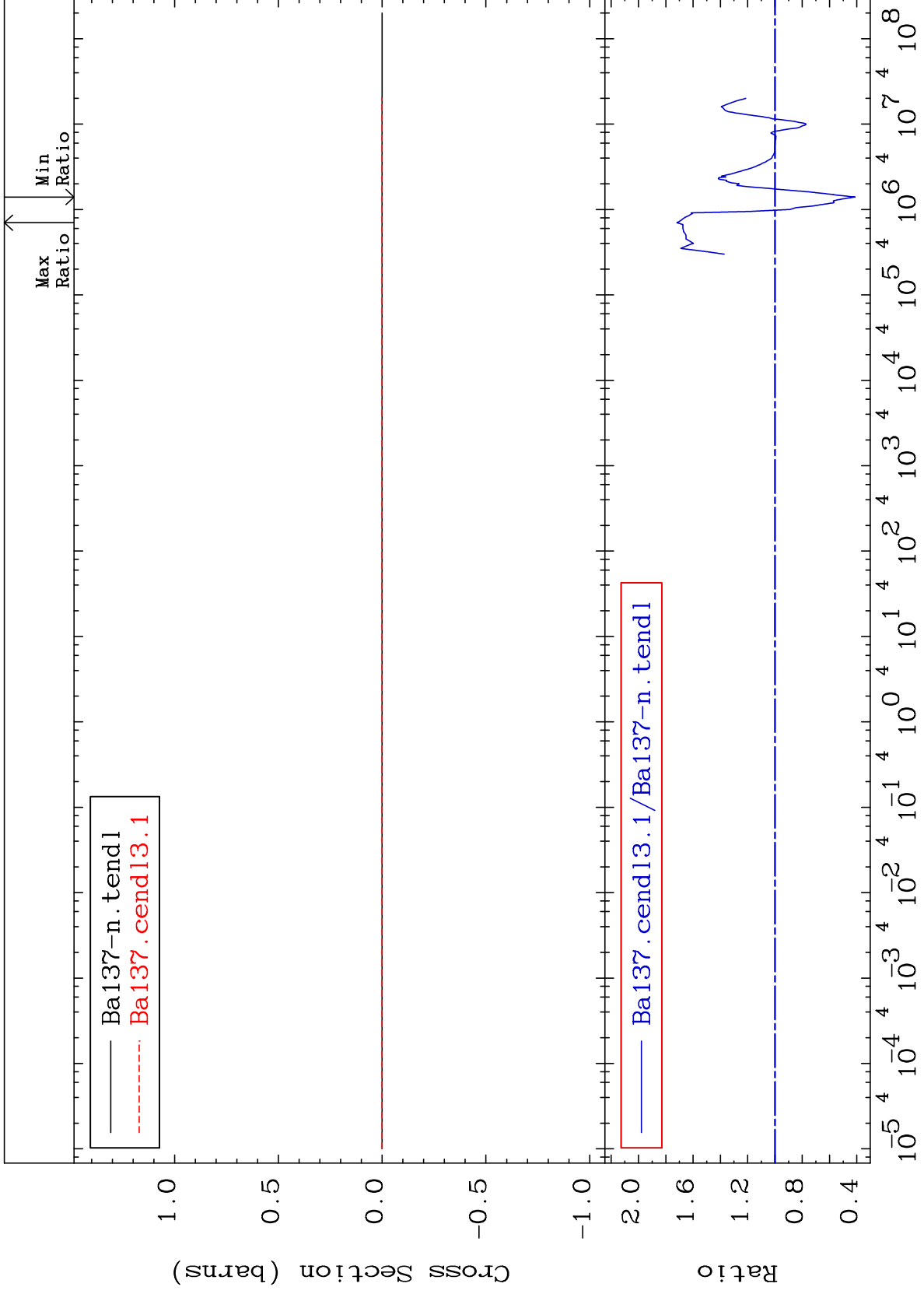
Incident Energy (eV)

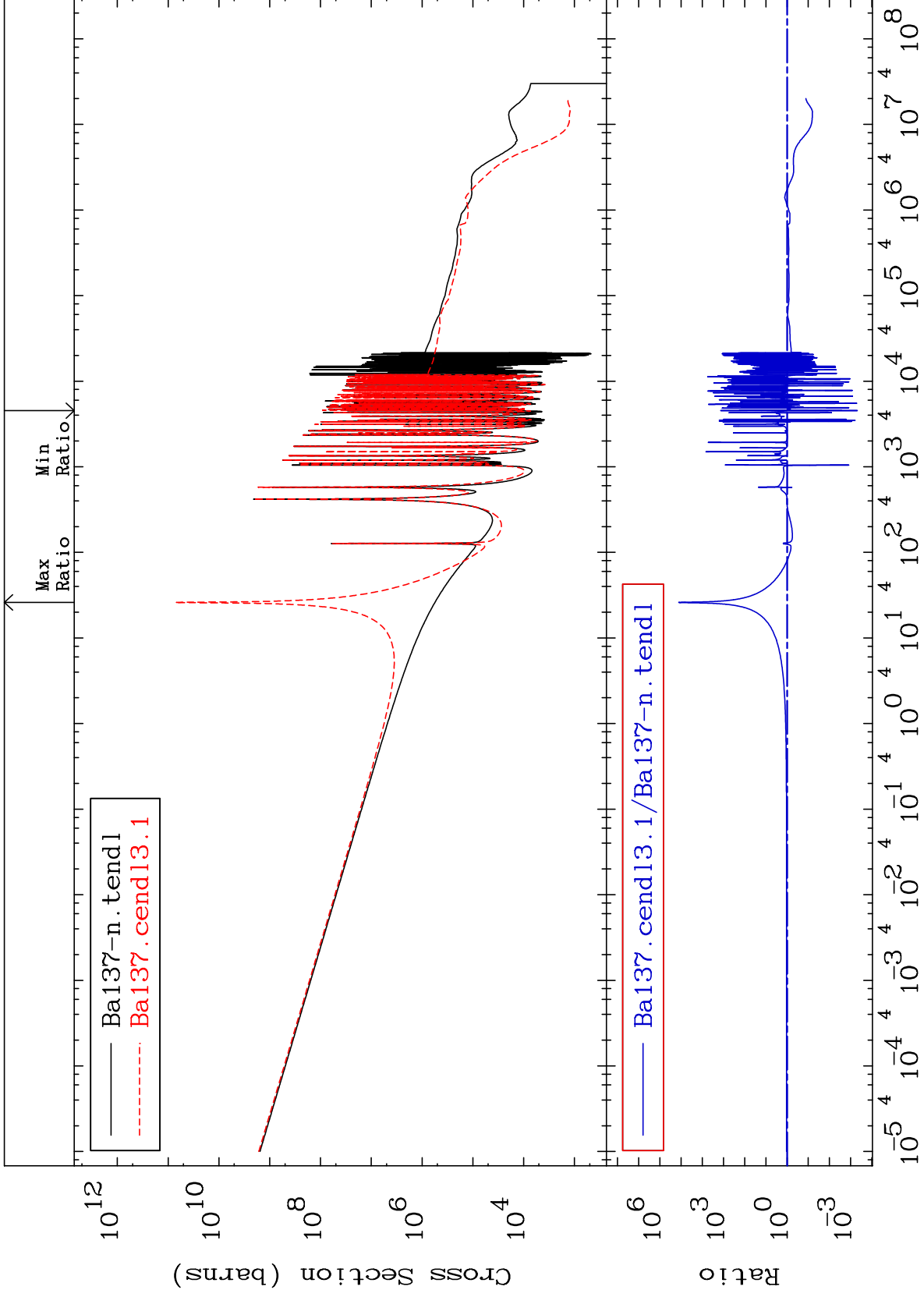
56-Ba-137

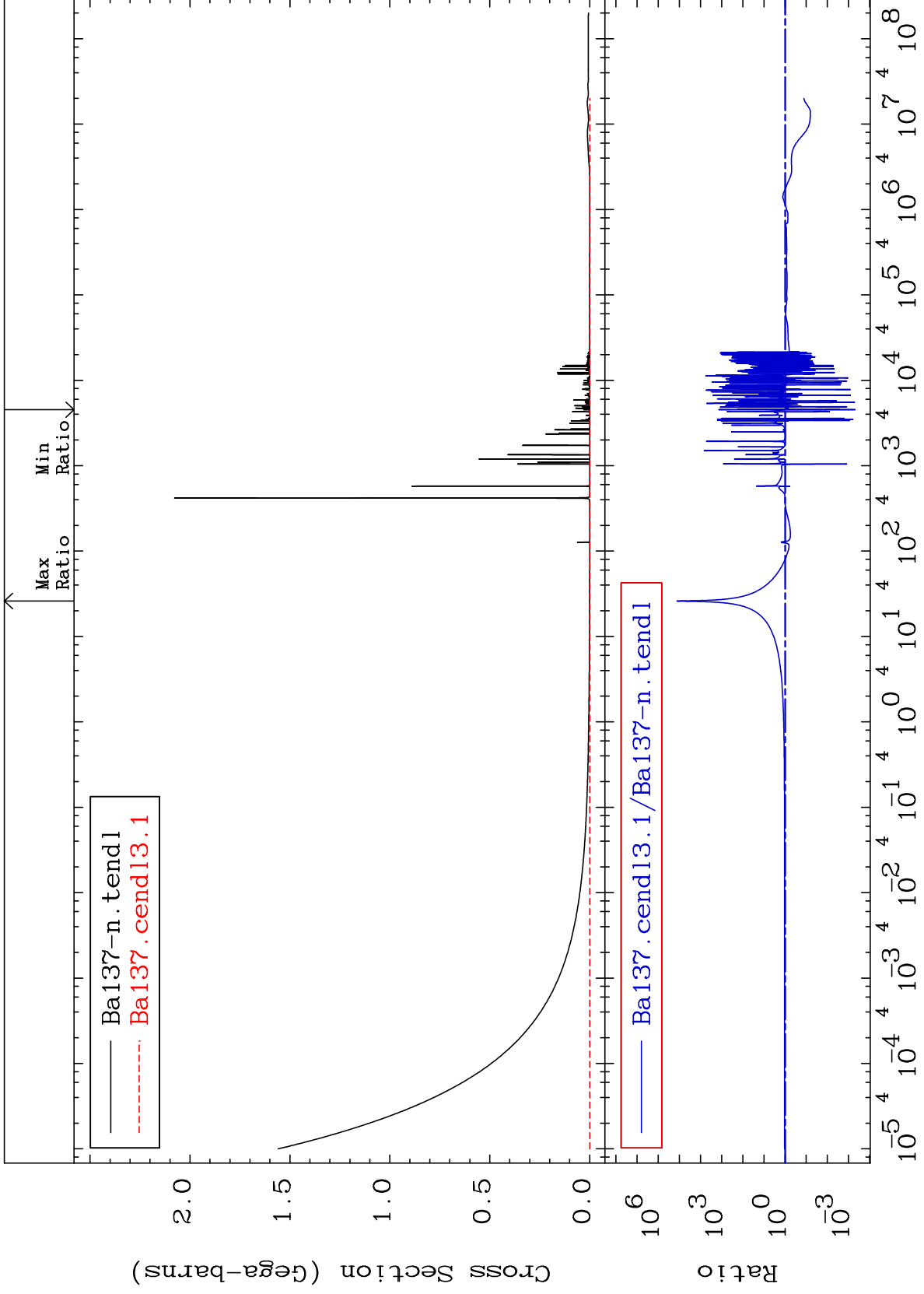
MAT 5646

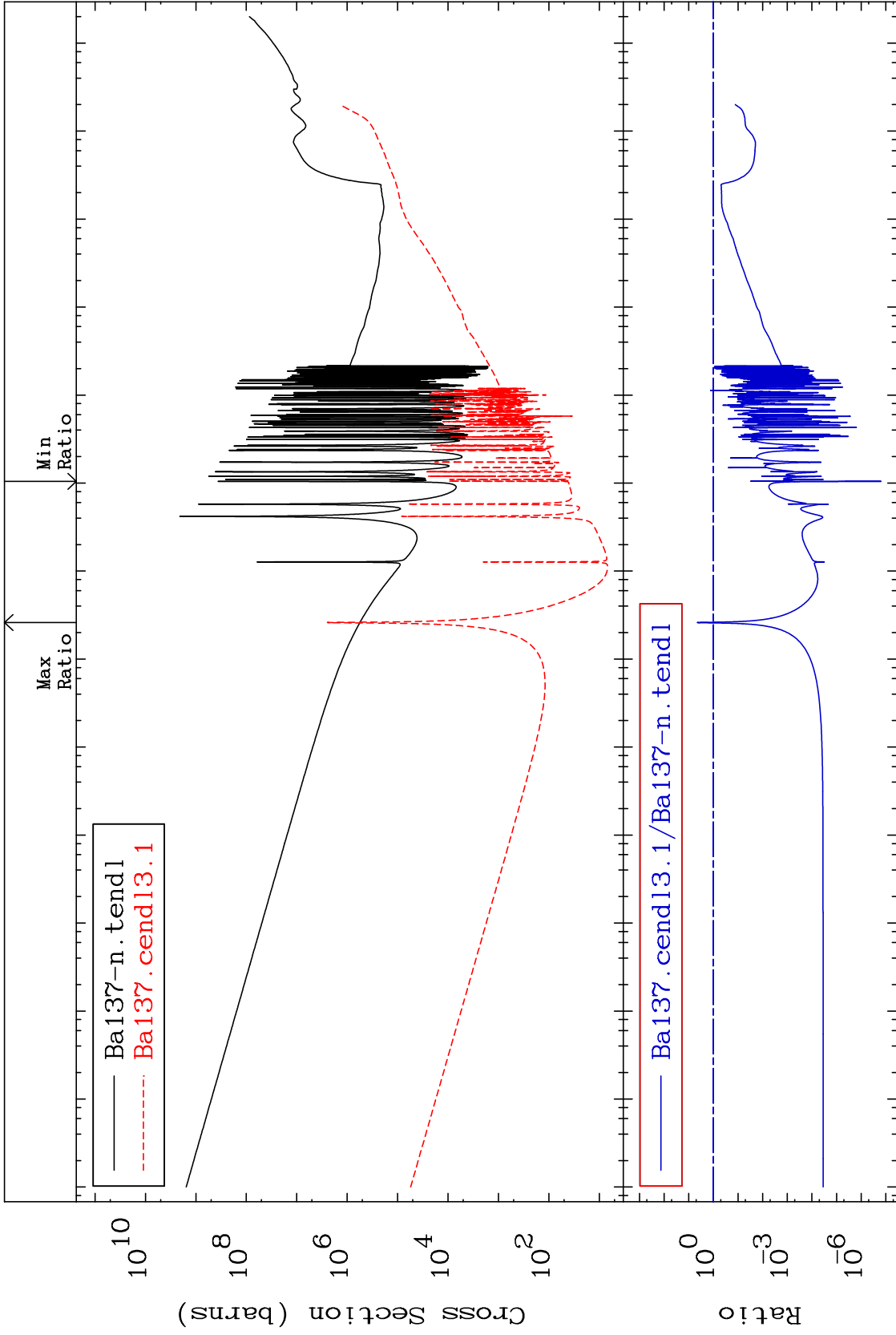
Kerma fission (mt18 or mt19-20-21-38)
Cross Section

56-Ba-137
-58.73 To 71.84 %





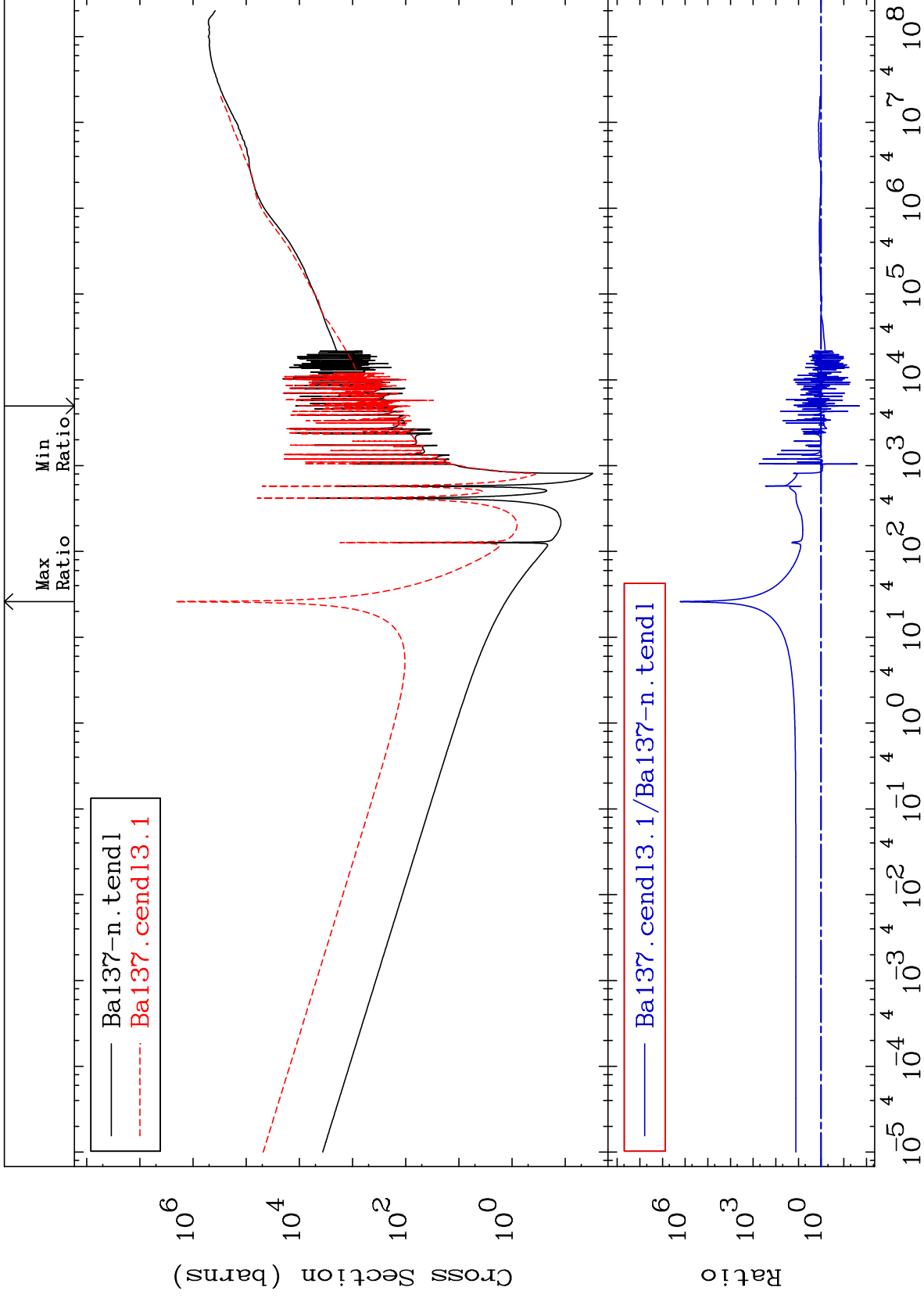




MAT 5646

Dpa total (eV-barns)
Cross Section

56-Ba-137
-97.95 To 9999. %



30

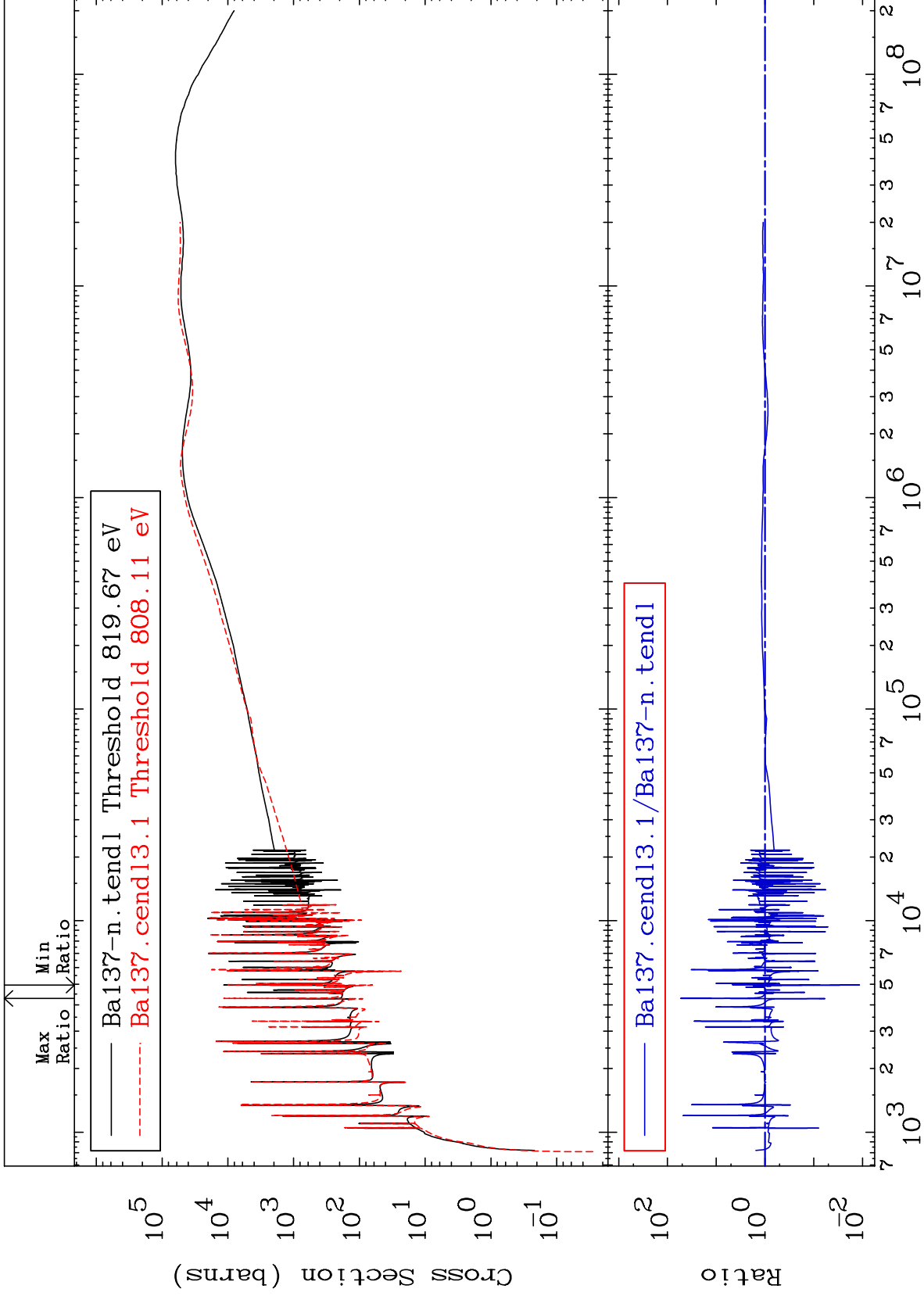
Incident Energy (eV)

56-Ba-137

MAT 5646

Dpa elastic (mt2)
Cross Section

56-Ba-137
-98.84 To 5338. %



31

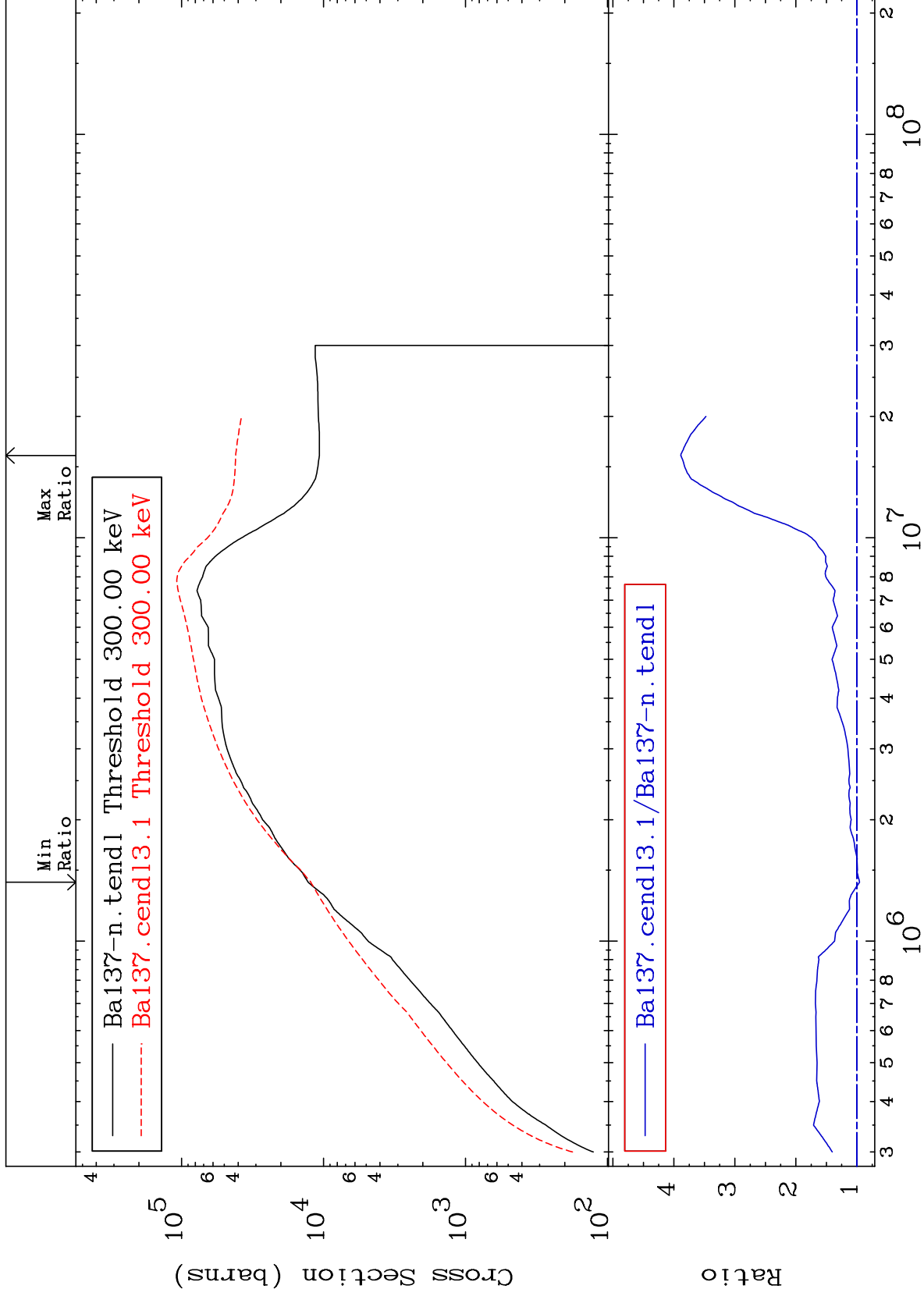
Incident Energy (eV)

56-Ba-137

MAT 5646

Dpa inelastic (mt51-91)
Cross Section

56-Ba-137
-4.331 To 288.8 %



32

Incident Energy (eV)

56-Ba-137

MAT 5646

Dpa disappearance (mt102 -120)
Cross Section

56-Ba-137
-99.28 To 9999. %

