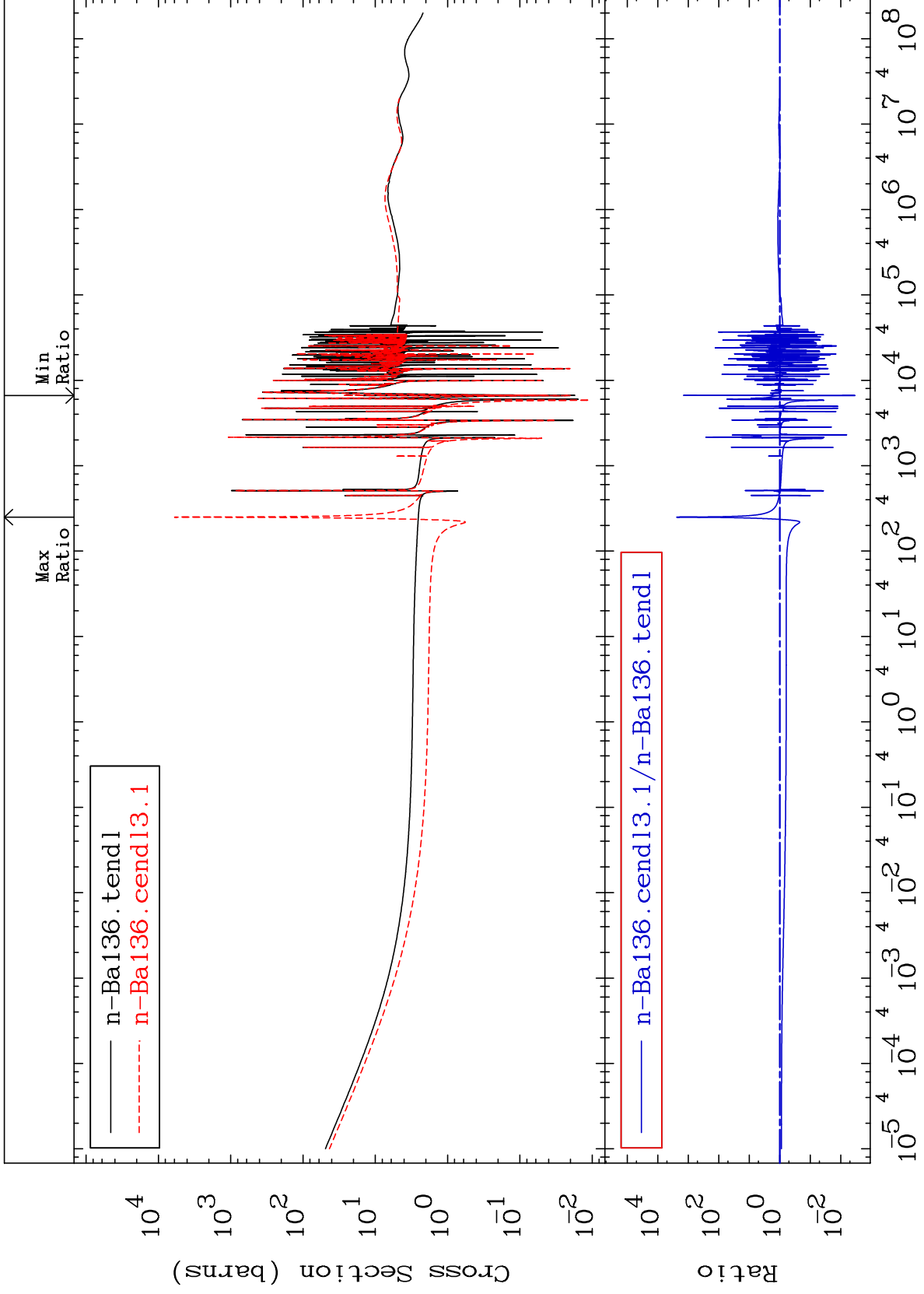


MAT 5643

Total
Cross Section

56-Ba-136
-99.66 To 9999. %



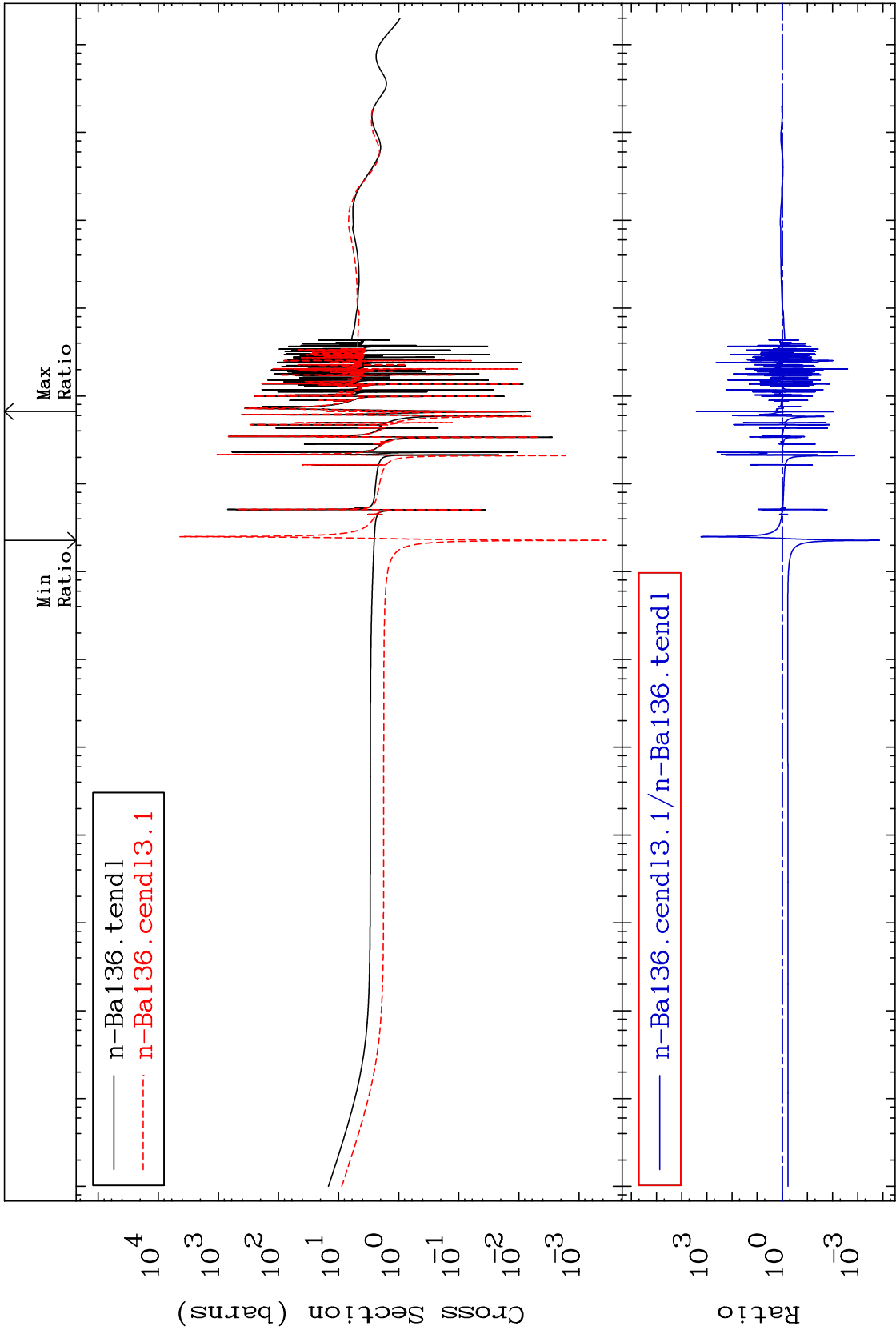
Incident Energy (eV)

56-Ba-136

MAT 5643

Elastic
Cross Section

56-Ba-136
-99.99 To 9999. %



— n-Ba136.tendl
- - - n-Ba136.cendl3.1

— n-Ba136.cendl3.1/n-Ba136.tendl

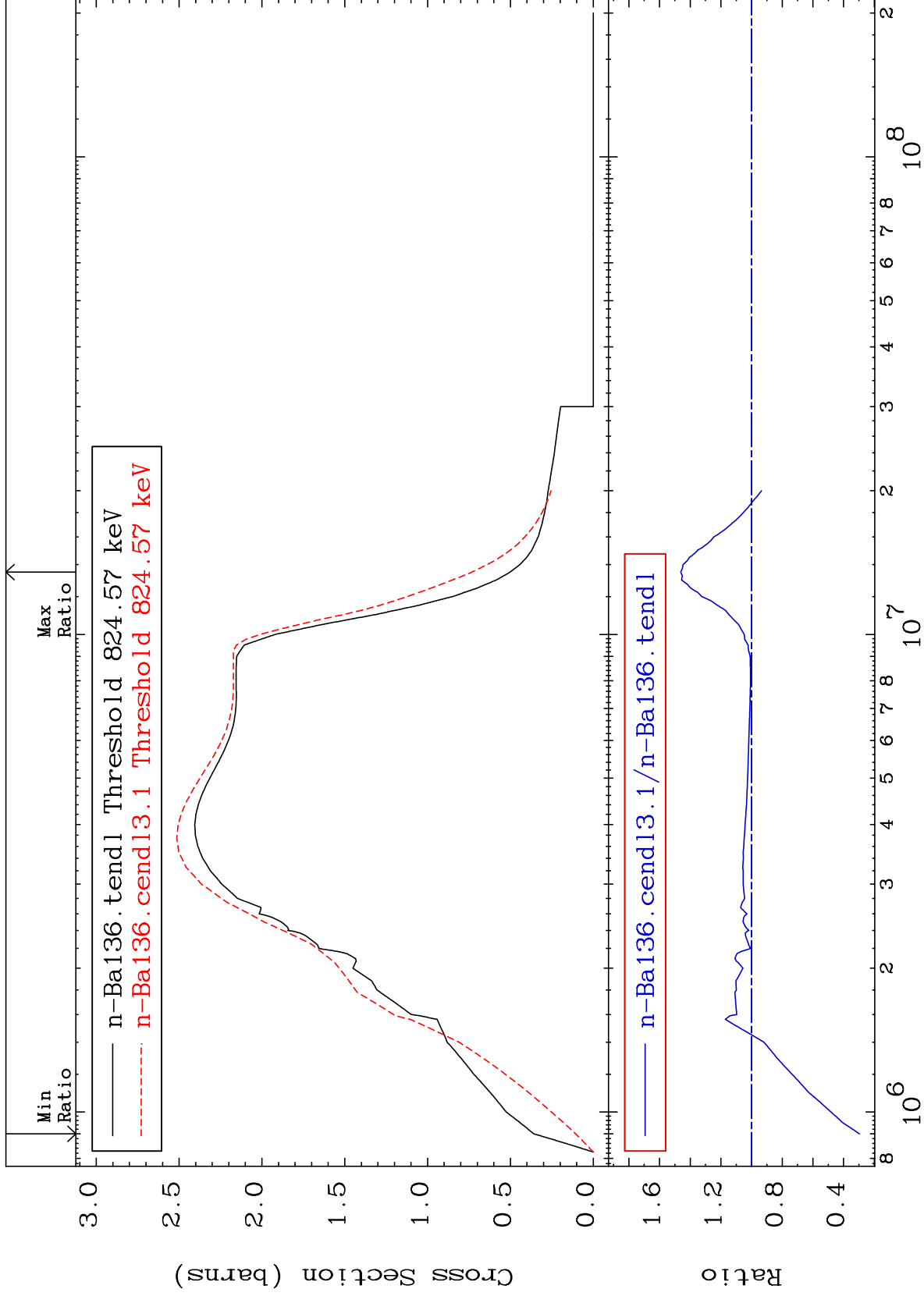
Incident Energy (eV)

56-Ba-136

MAT 5643

Inelastic
Cross Section

56-Ba-136
-70.42 To 46.15 %



Incident Energy (eV)

56-Ba-136

3

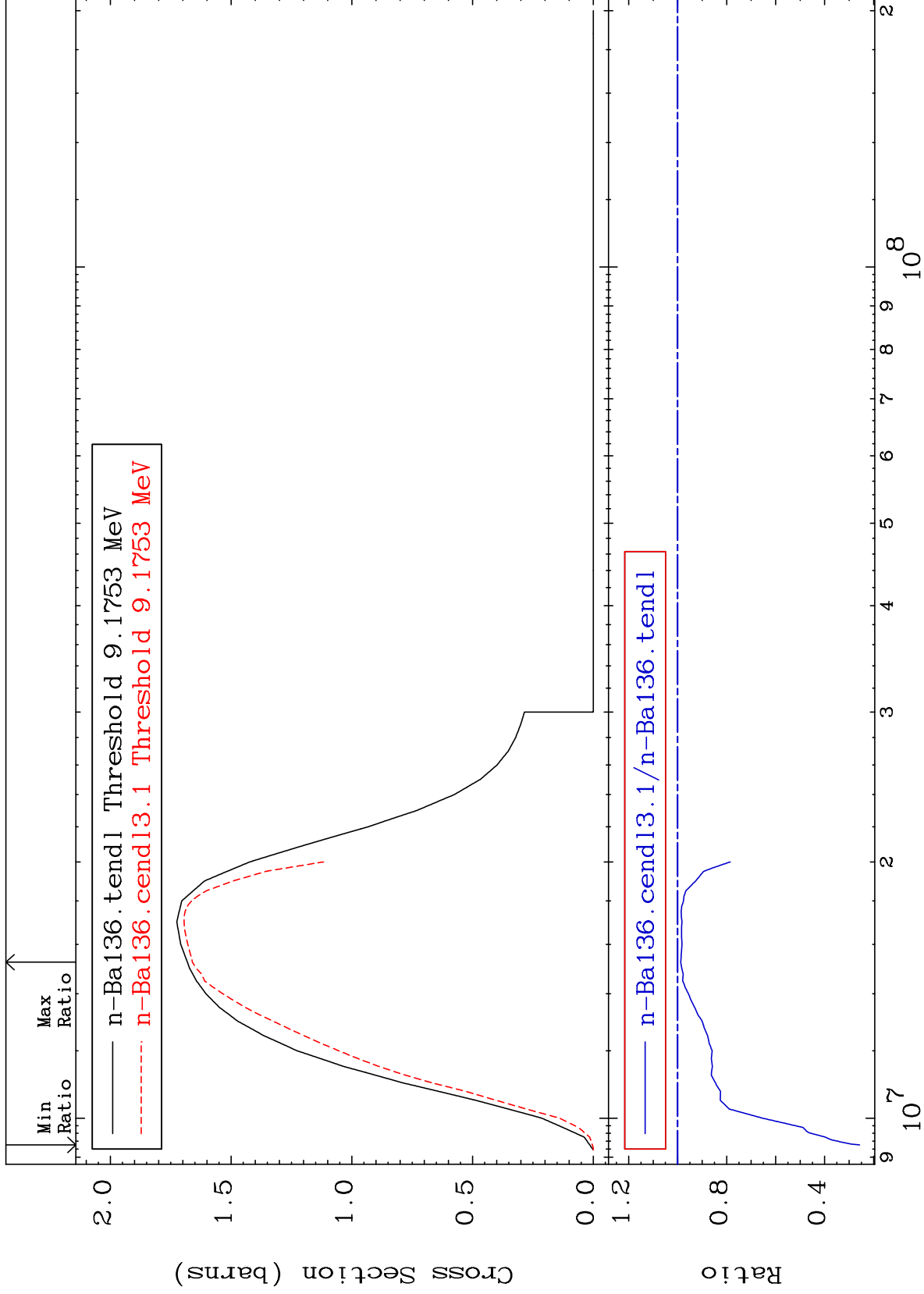
MAT 5643

(n,2n)

56-Ba-136

Cross Section

-74.23 To -1.264%



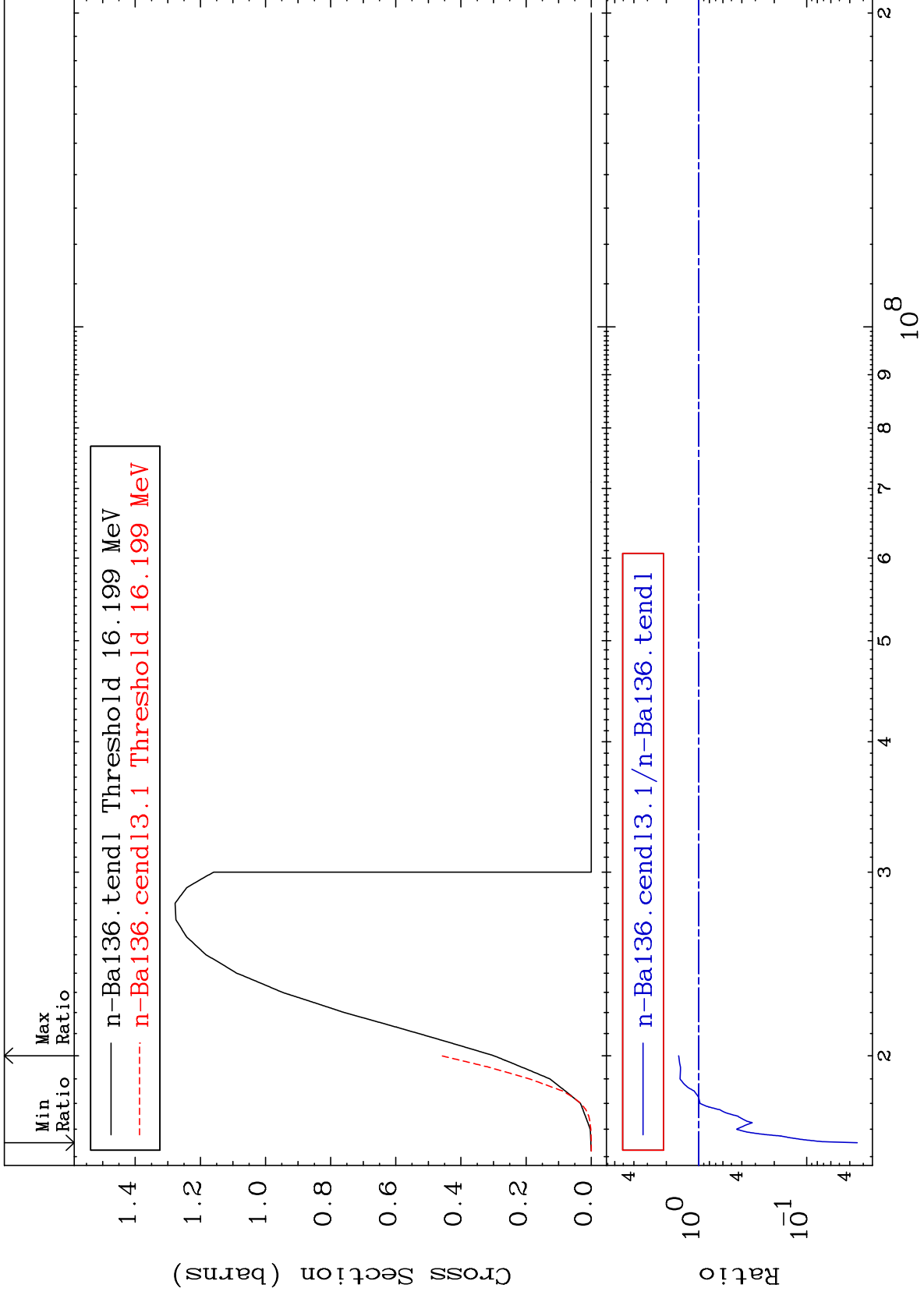
56-Ba-136

56-Ba-136

MAT 5643

(n,3n)
Cross Section

56-Ba-136
-96.59 To 53.84 %



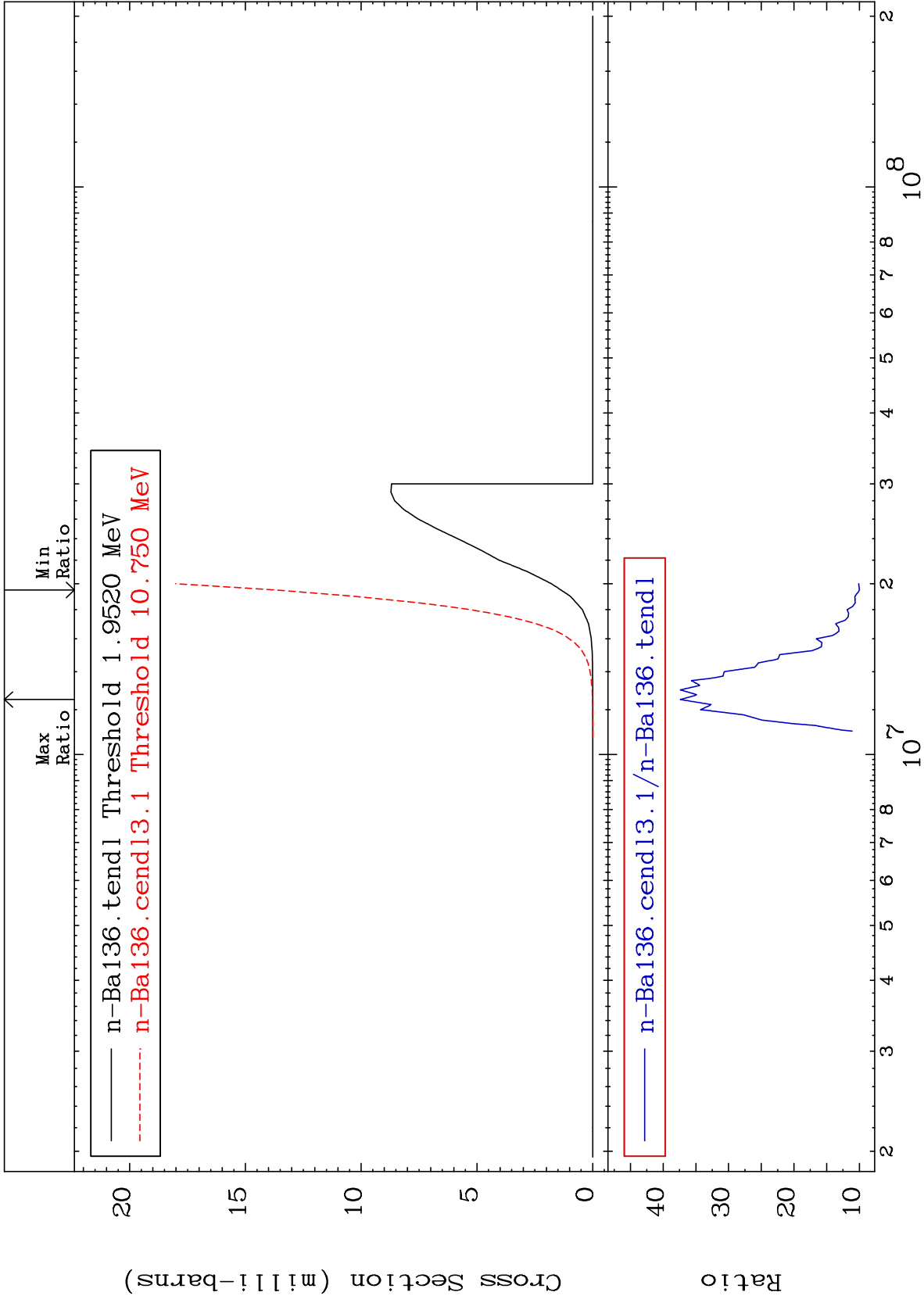
MAT 5643

(n, n') α

56-Ba-136

898.6 To 3637. %

Cross Section



6

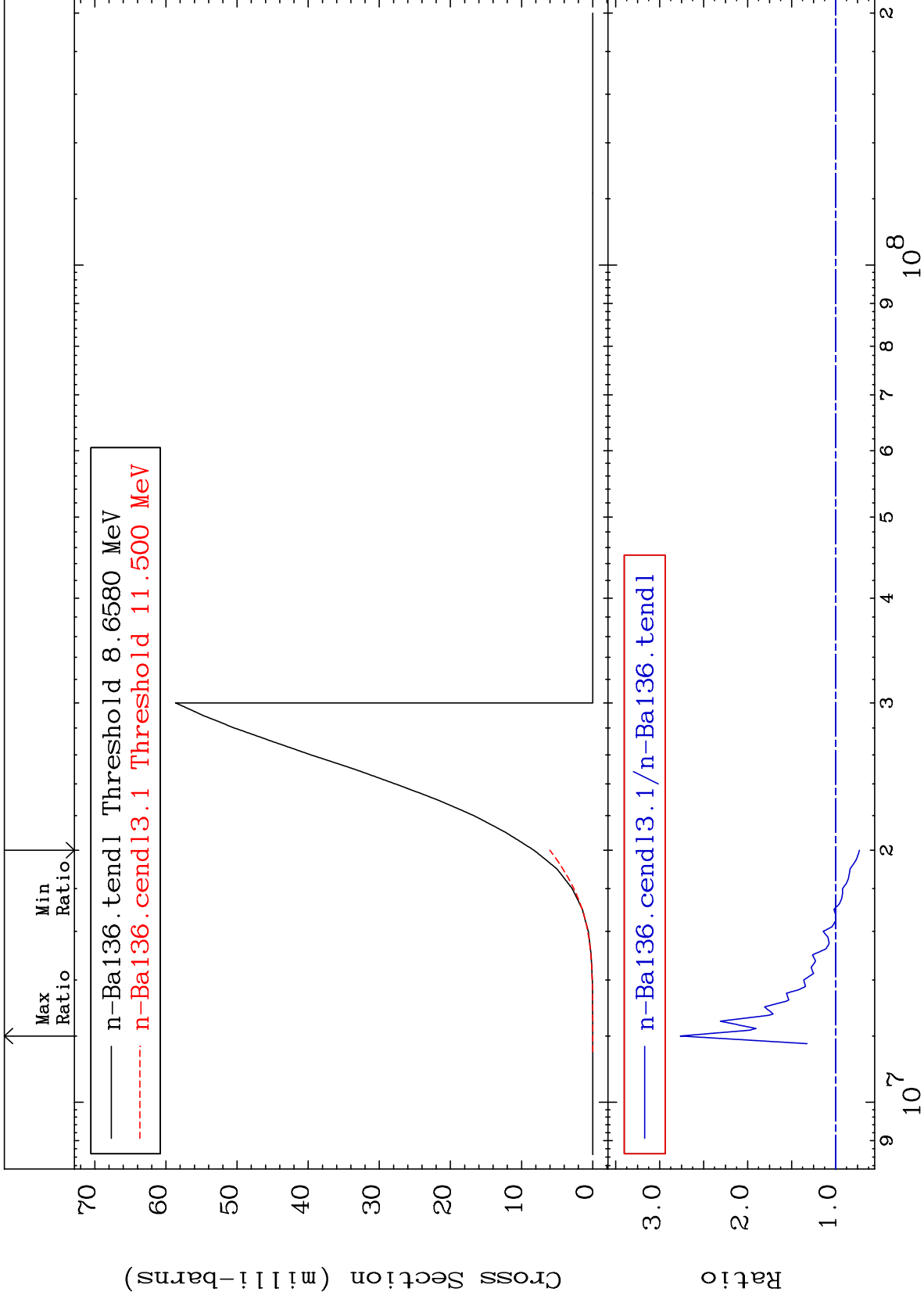
56-Ba-136

898.6 To 3637. %

MAT 5643

(n, n') p
Cross Section

56-Ba-136
-27.14 To 176.4 %



7

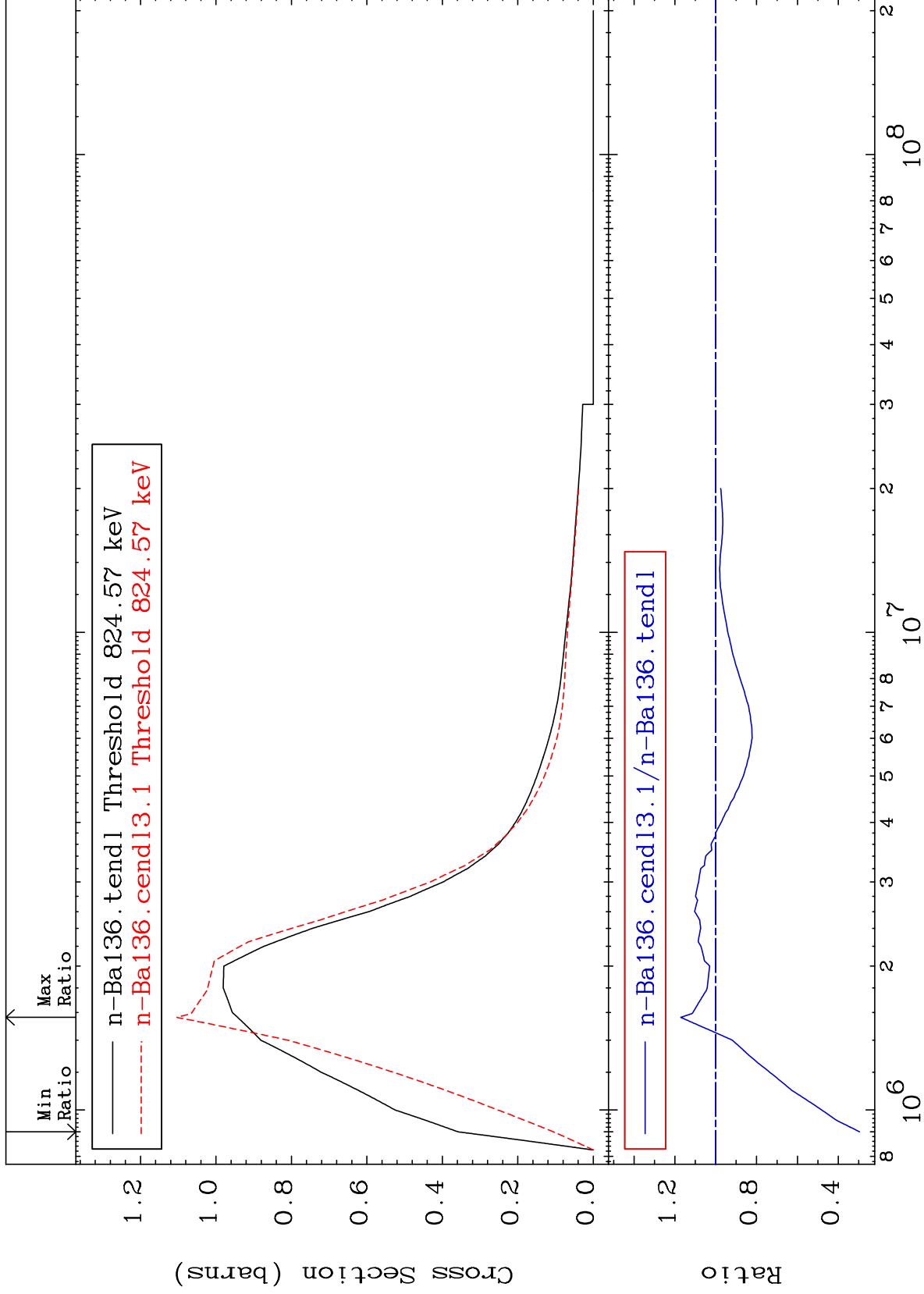
Incident Energy (eV)

56-Ba-136

MAT 5643

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

56-Ba-136
-70.42 To 17.13 %



8

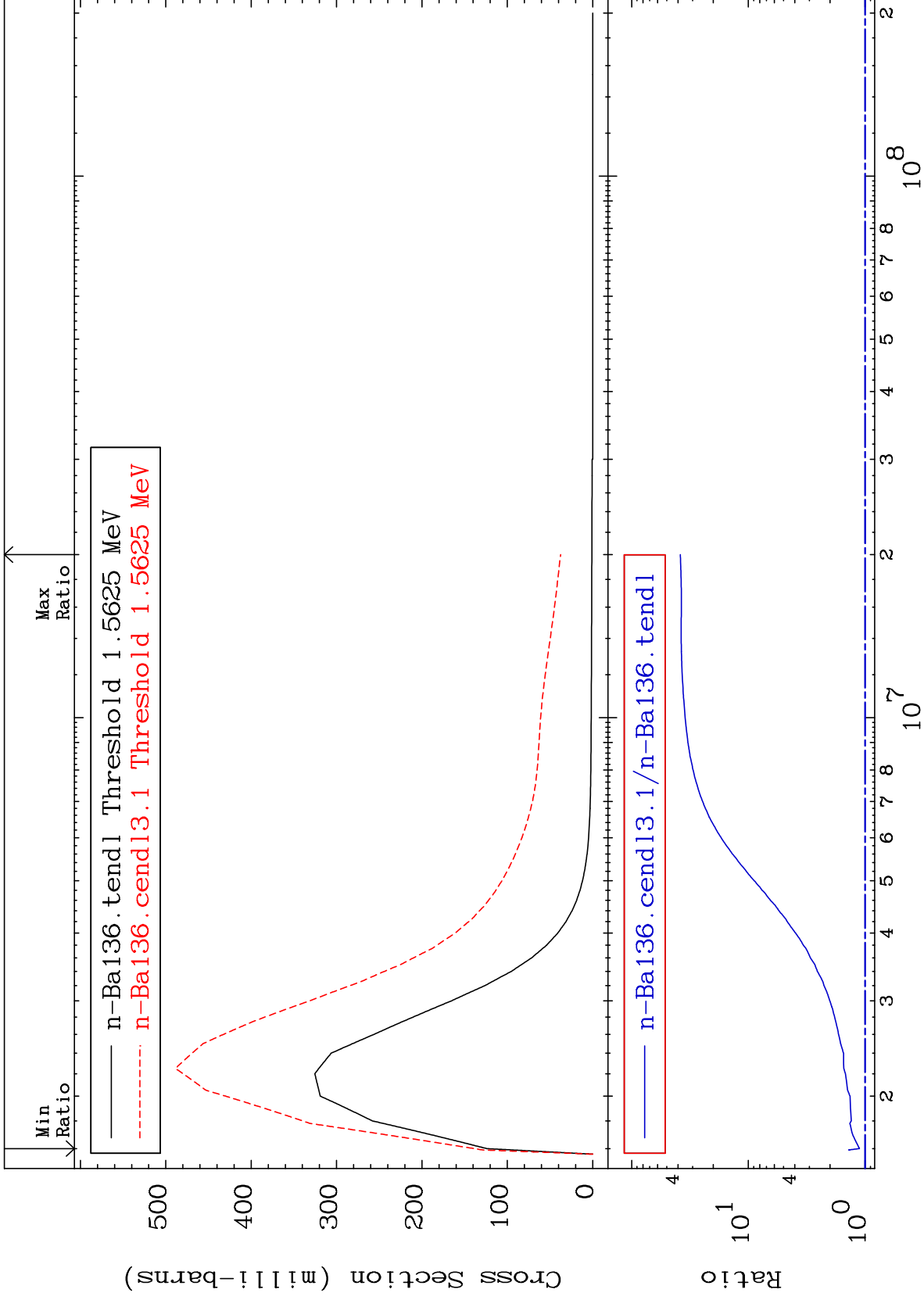
Incident Energy (eV)

56-Ba-136

MAT 5643

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

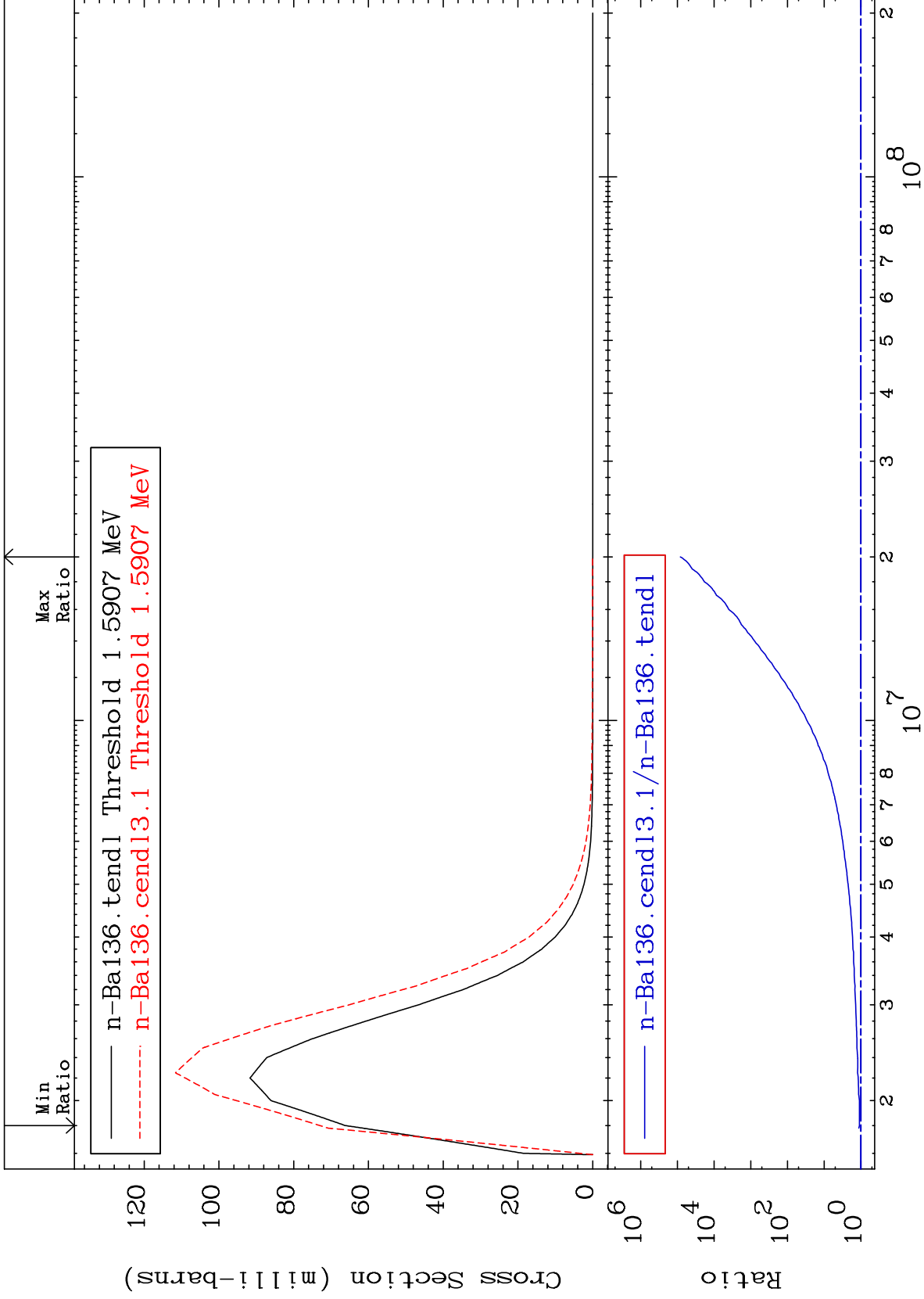
56-Ba-136
11.87 To 3726. %



MAT 5643

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

56-Ba-136
10.21 To 9999. %



10

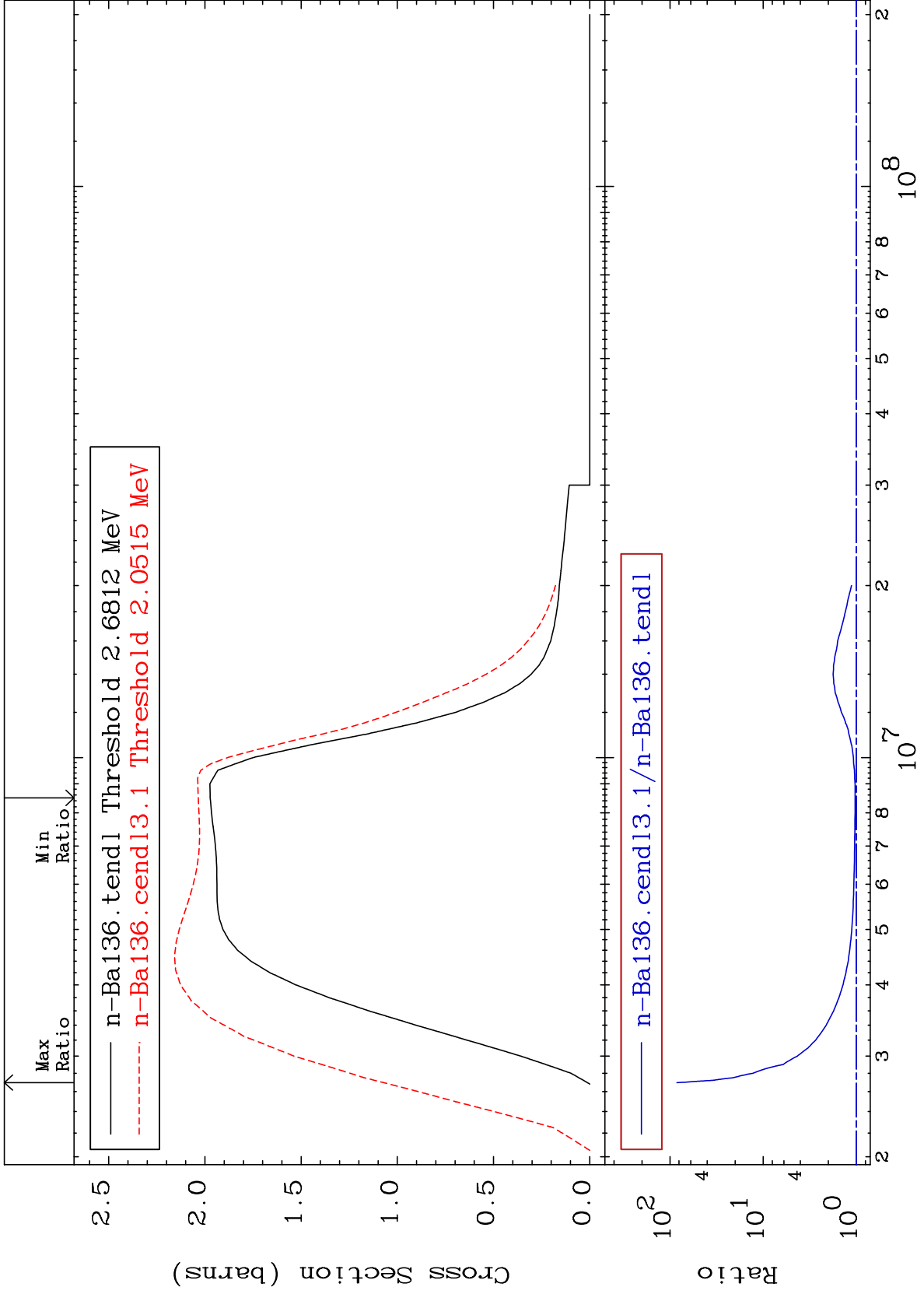
Incident Energy (eV)

56-Ba-136

MAT 5643

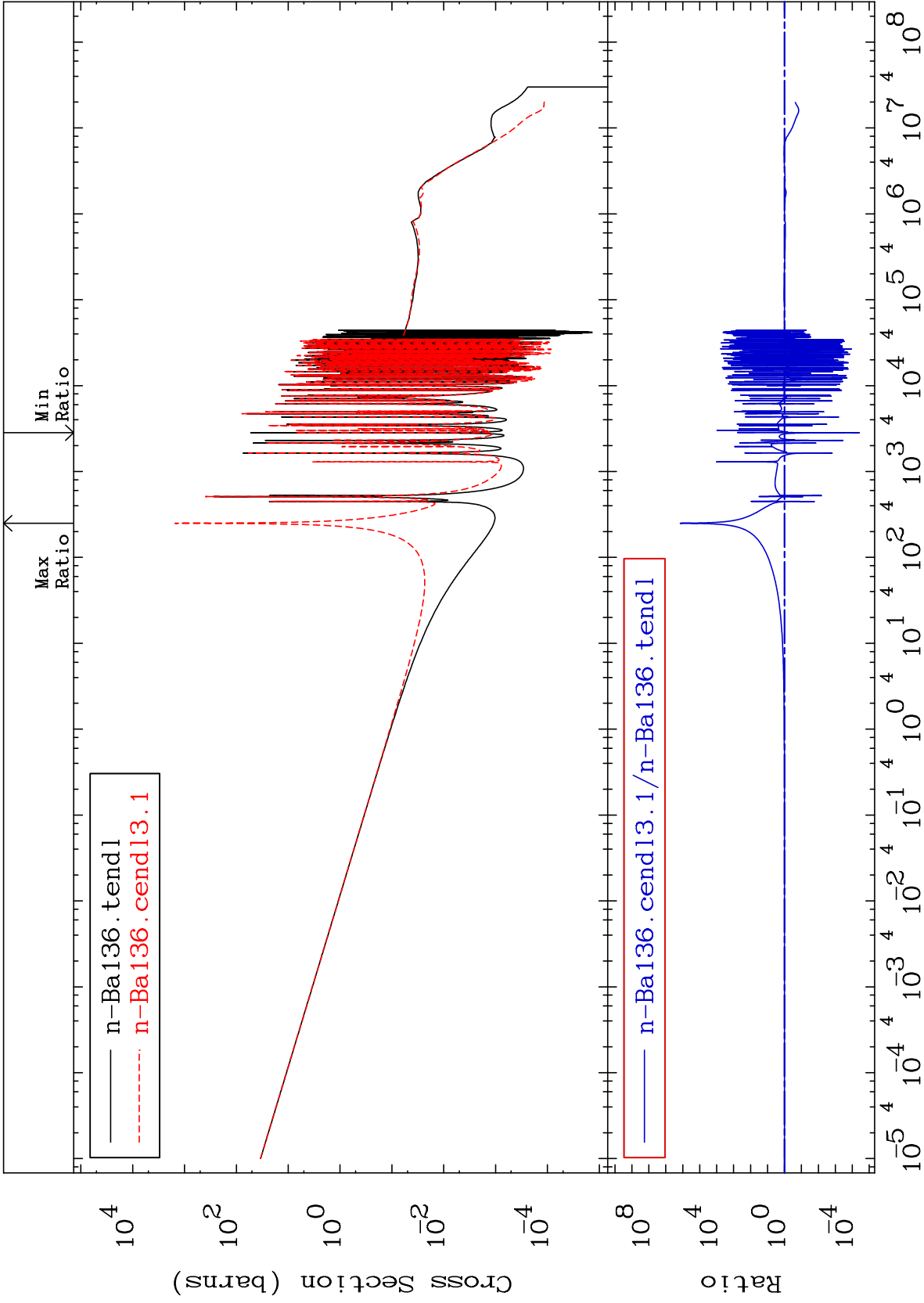
(n, n') Continuum
Cross Section

56-Ba-136
3.121 To 8332. %



MAT 5643

(n, γ)
Cross Section
56-Ba-136
-100.0 To 9999. %



12

Incident Energy (eV)

56-Ba-136

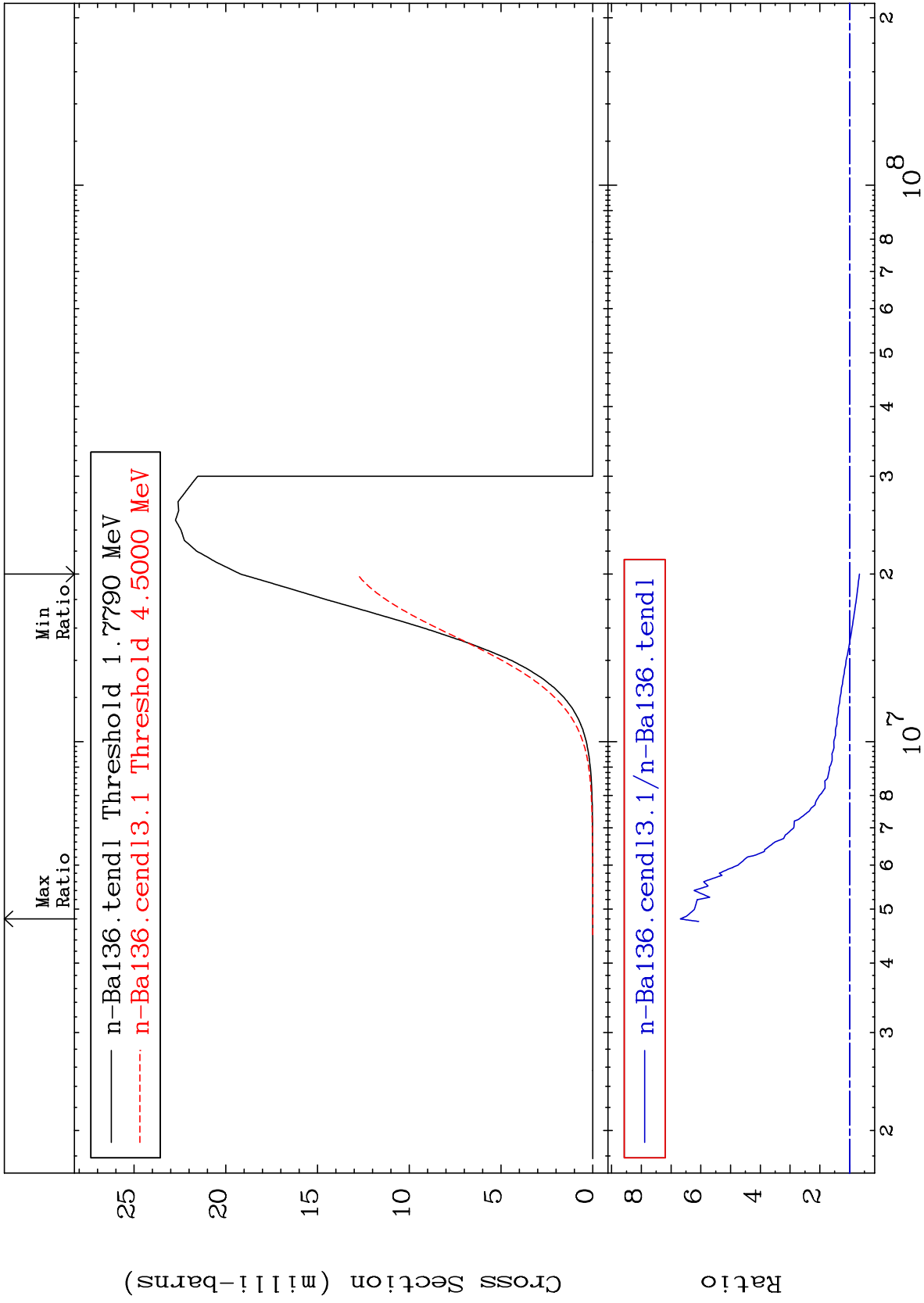
MAT 5643

(n,p)

56-Ba-136

Cross Section

-33.08 To 568.8 %



13

Incident Energy (eV)

56-Ba-136

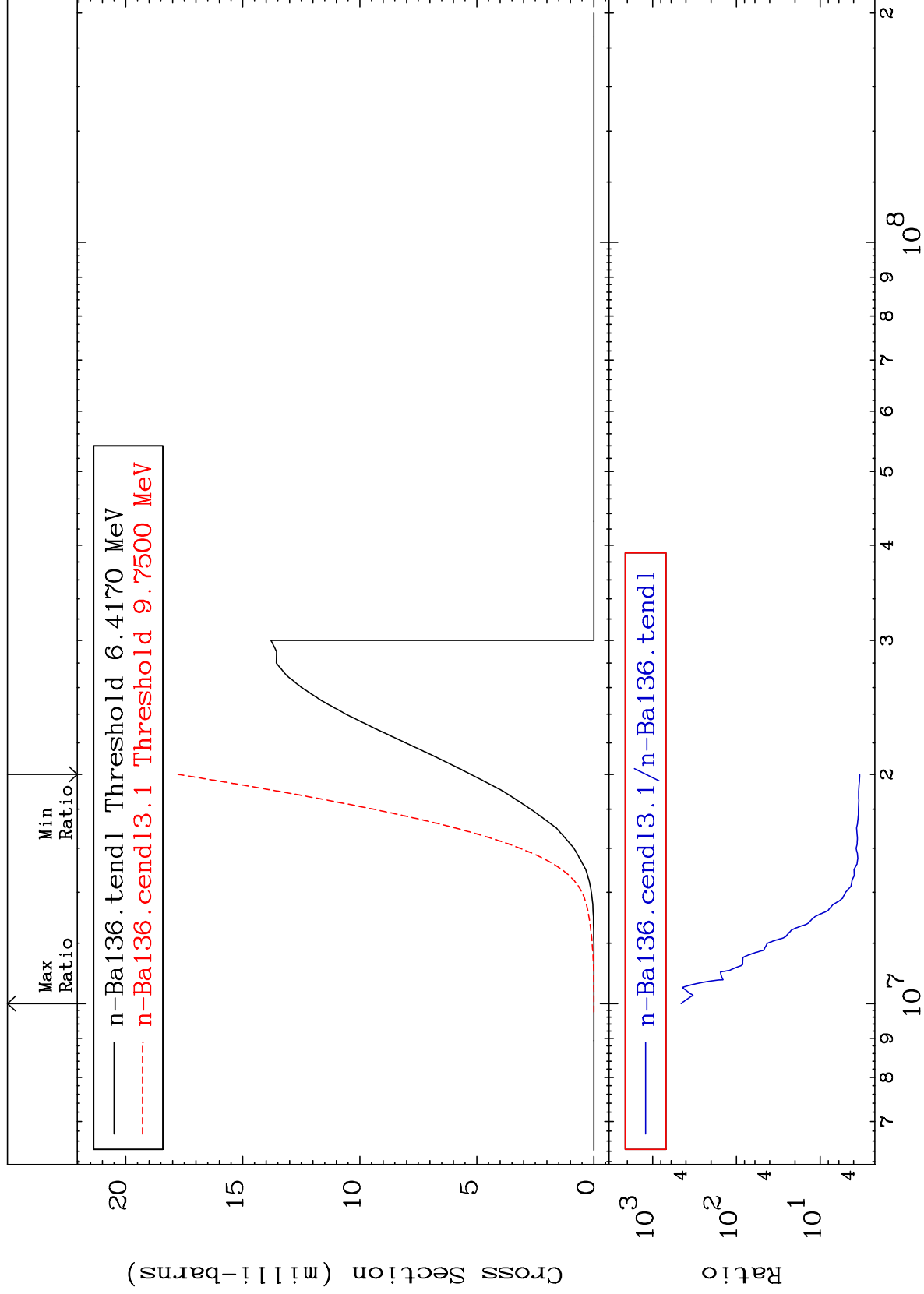
MAT 5643

(n, d)

56-Ba-136

Cross Section

238.1 To 9999. %



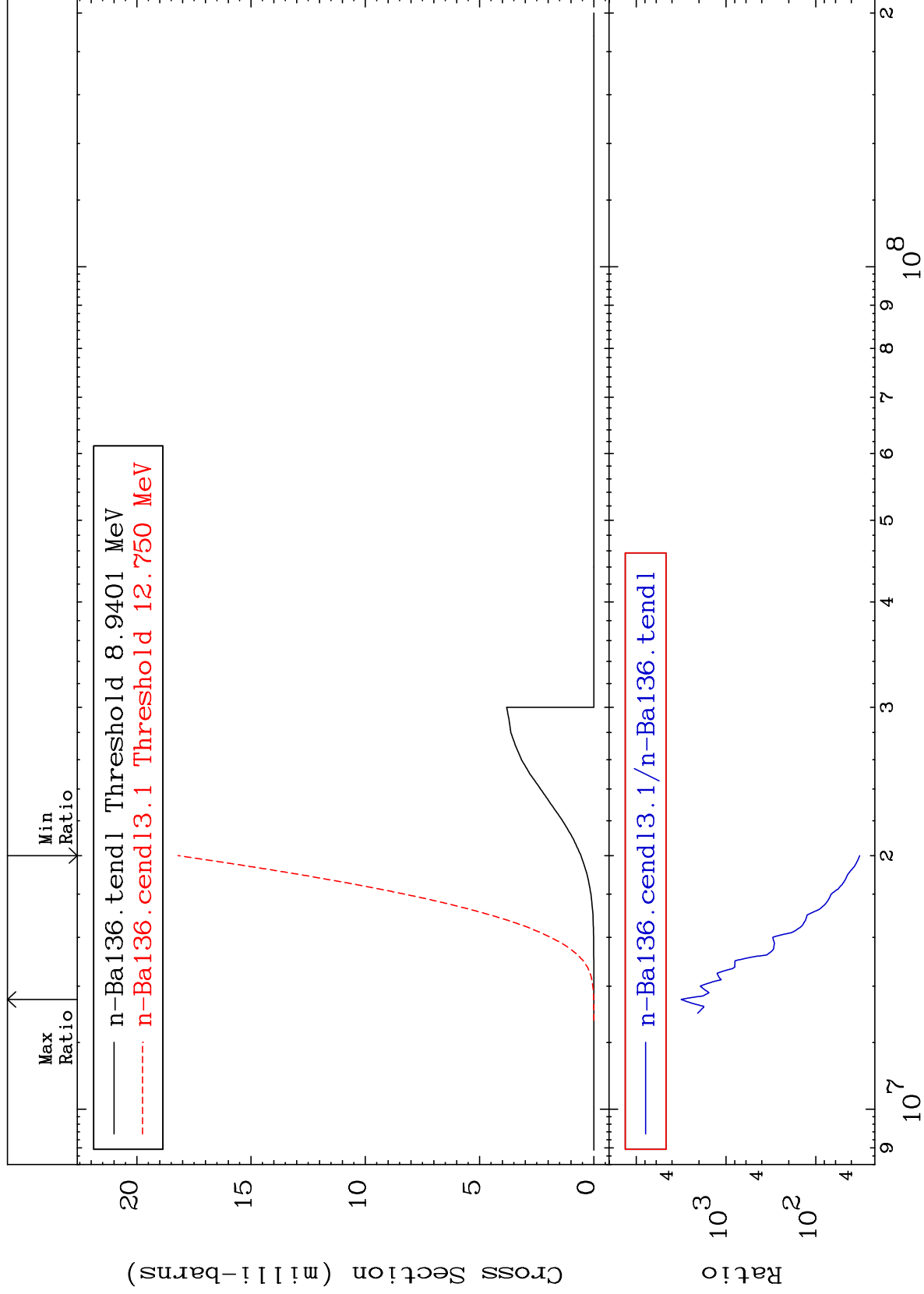
MAT 5643

(n, t)

56-Ba-136

Cross Section

3137. To 9999. %



15

Incident Energy (eV)

56-Ba-136

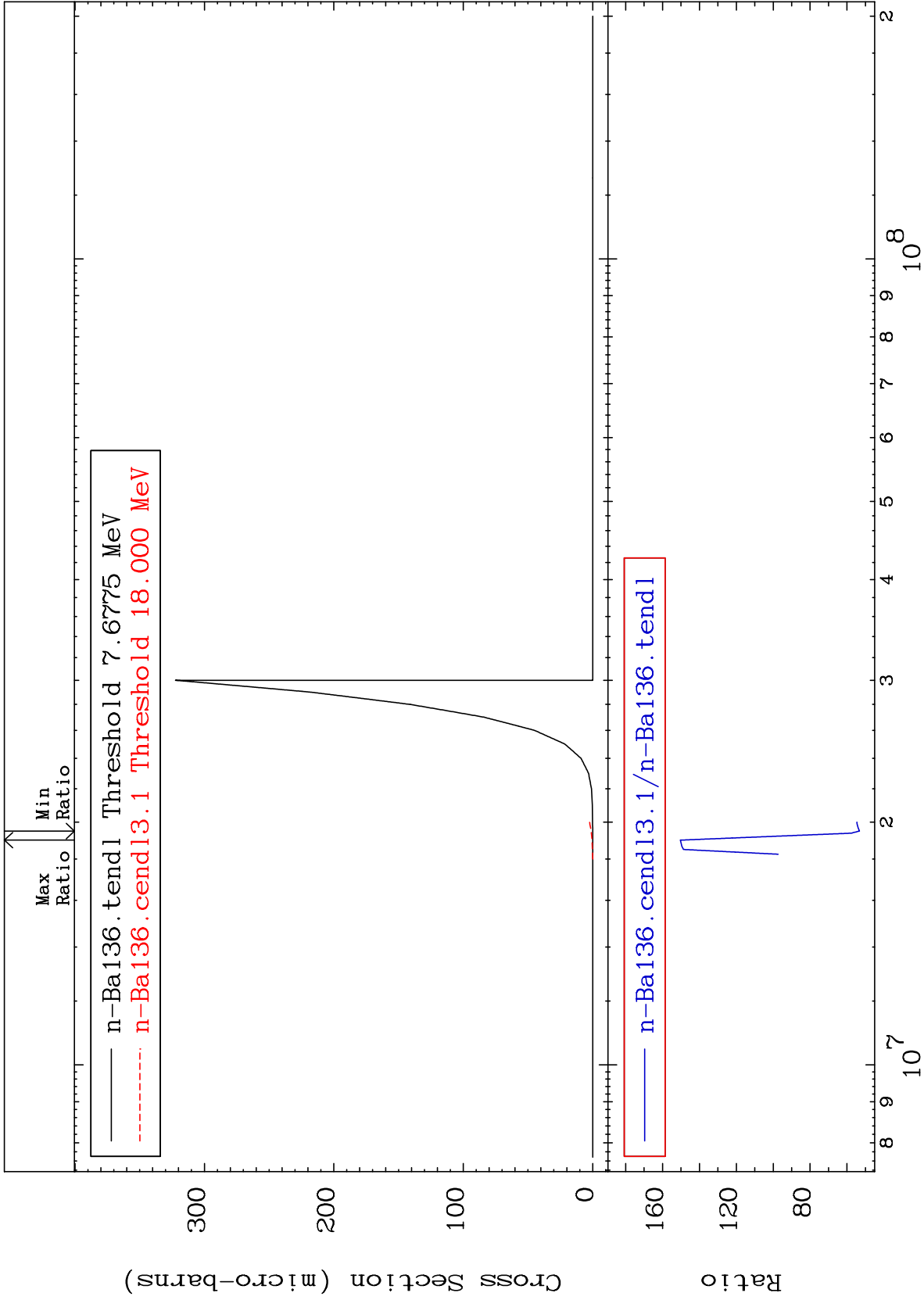
MAT 5643

(n, He-3)

56-Ba-136

Cross Section

5225. To 9999. %



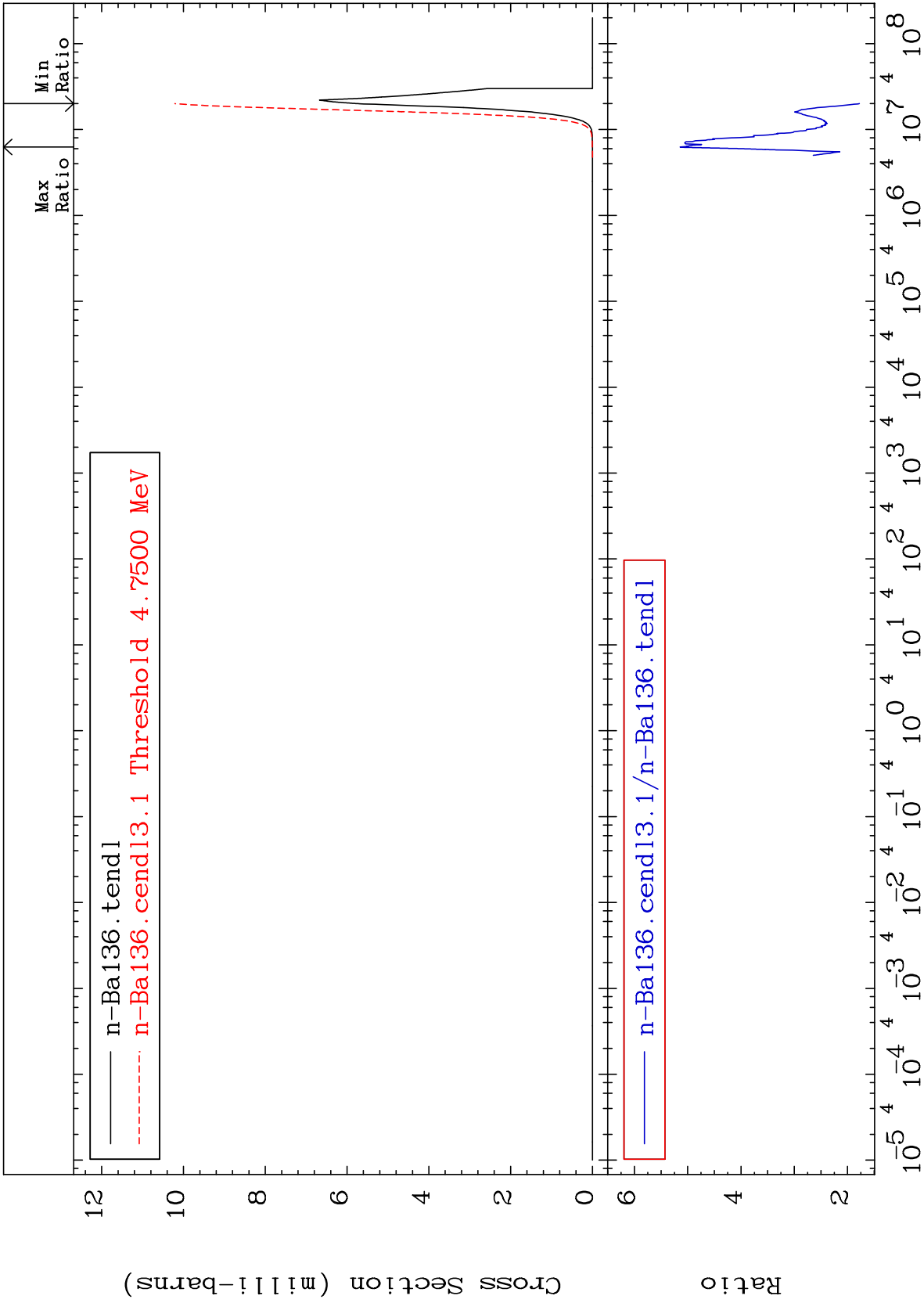
MAT 5643

(n, α)

56-Ba-136

Cross Section

77.86 To 414.2 %



17

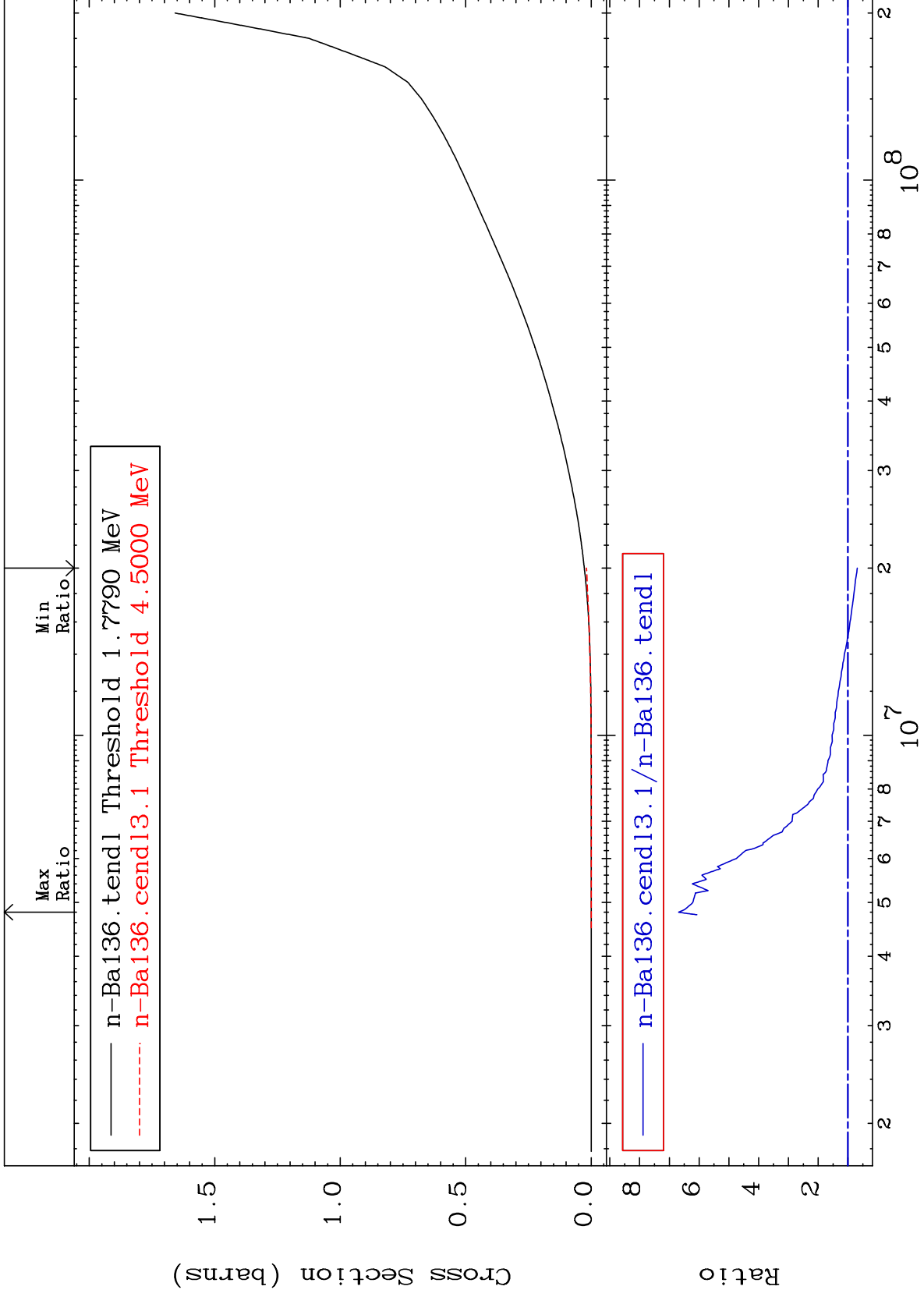
Incident Energy (eV)

56-Ba-136

MAT 5643

Hydrogen Production
Cross Section

56-Ba-136
-31.29 To 568.8 %



18

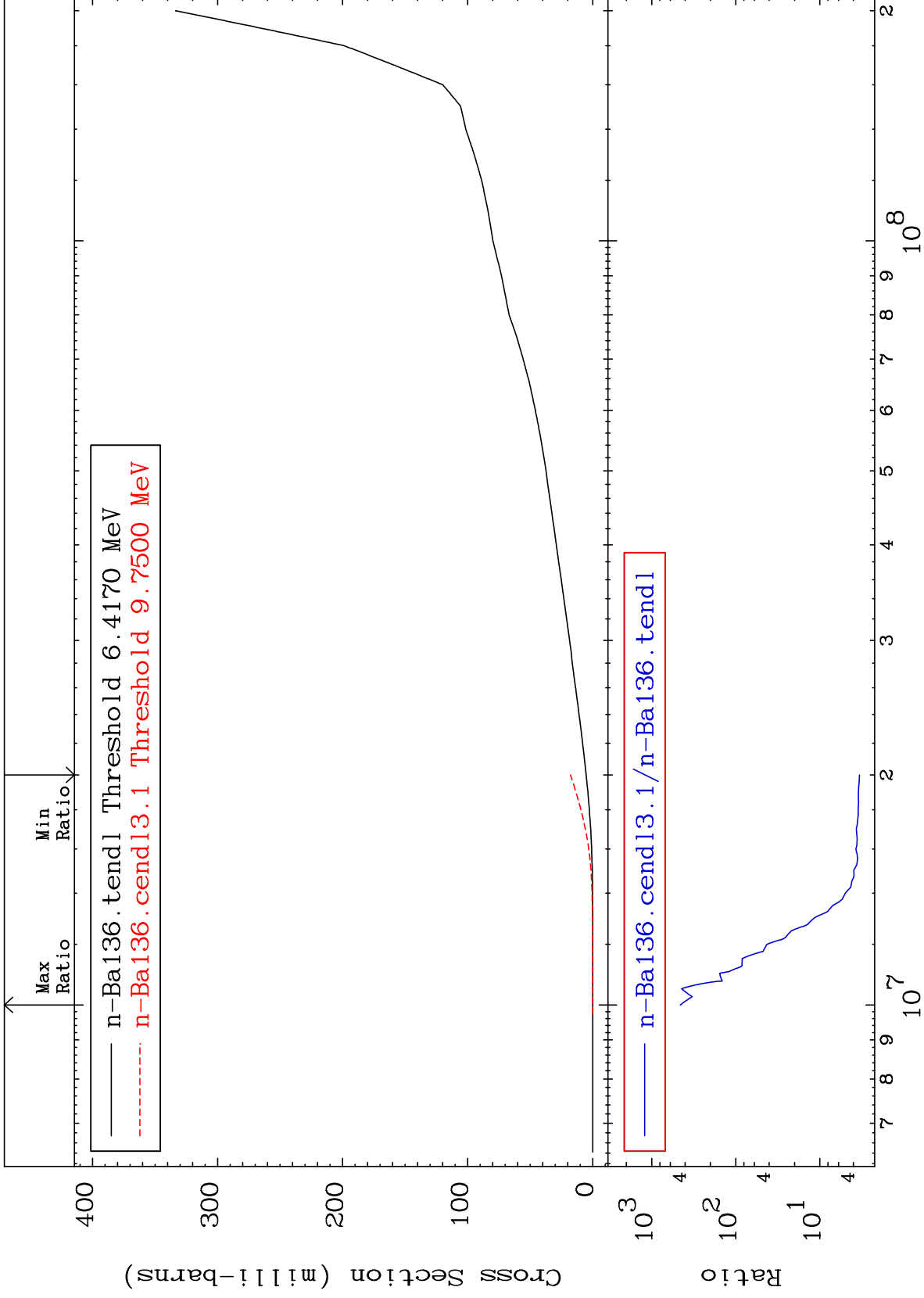
Incident Energy (eV)

56-Ba-136

MAT 5643

Deuterium Production
Cross Section

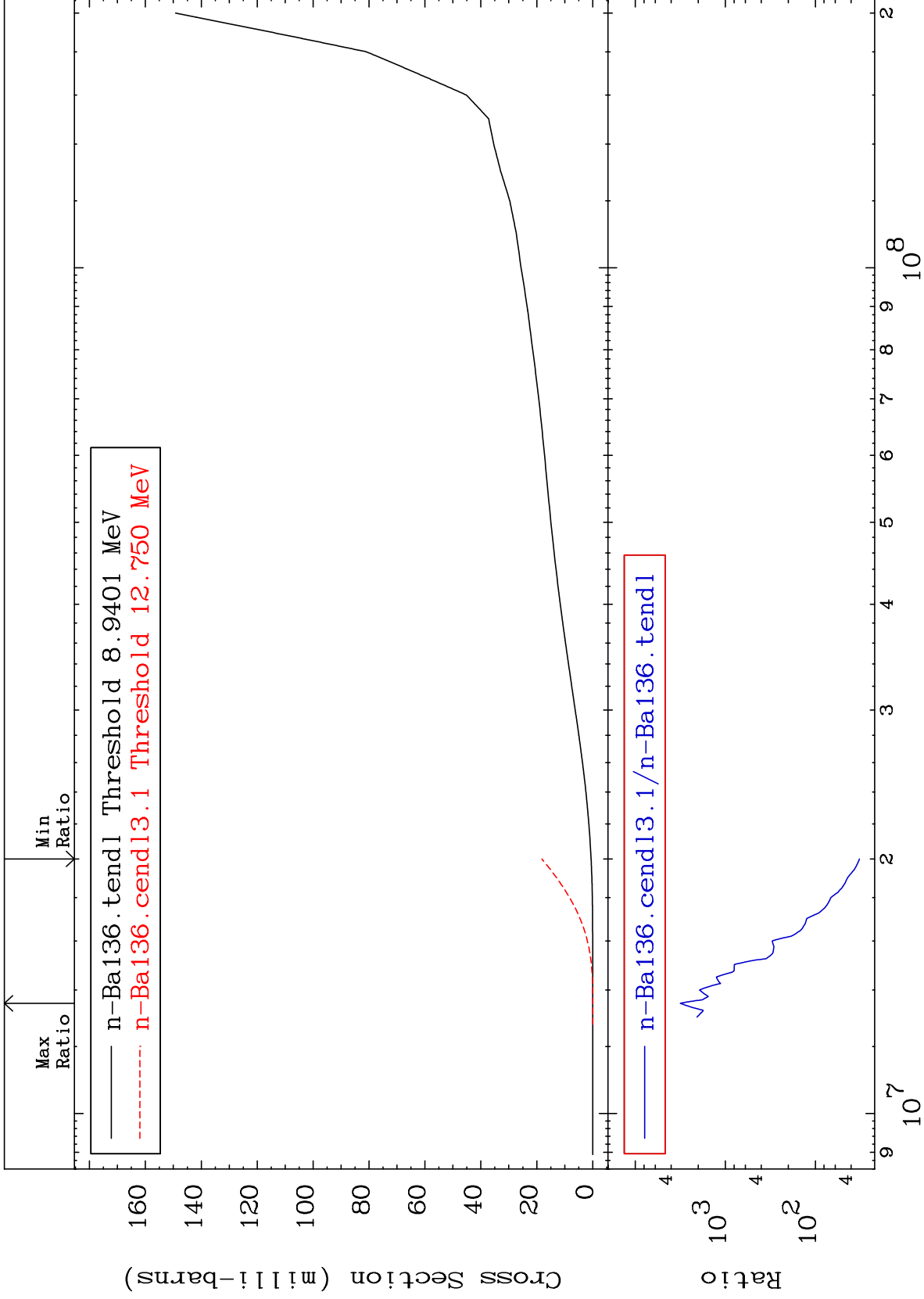
56-Ba-136
238.1 To 9999. %



MAT 5643

Tritium Production
Cross Section

56-Ba-136
3137. To 9999. %



20

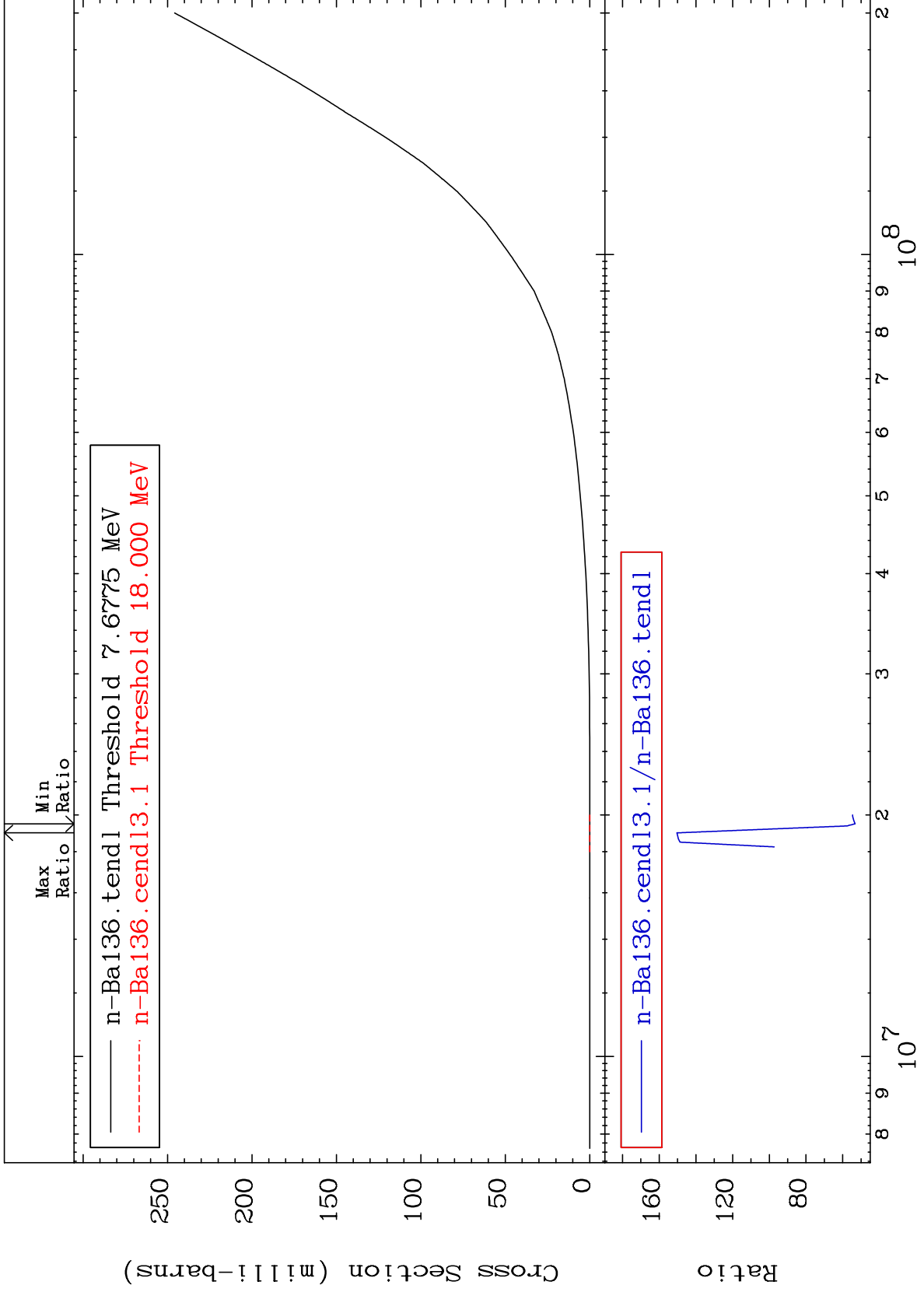
Incident Energy (eV)

56-Ba-136

MAT 5643

He-3 Production
Cross Section

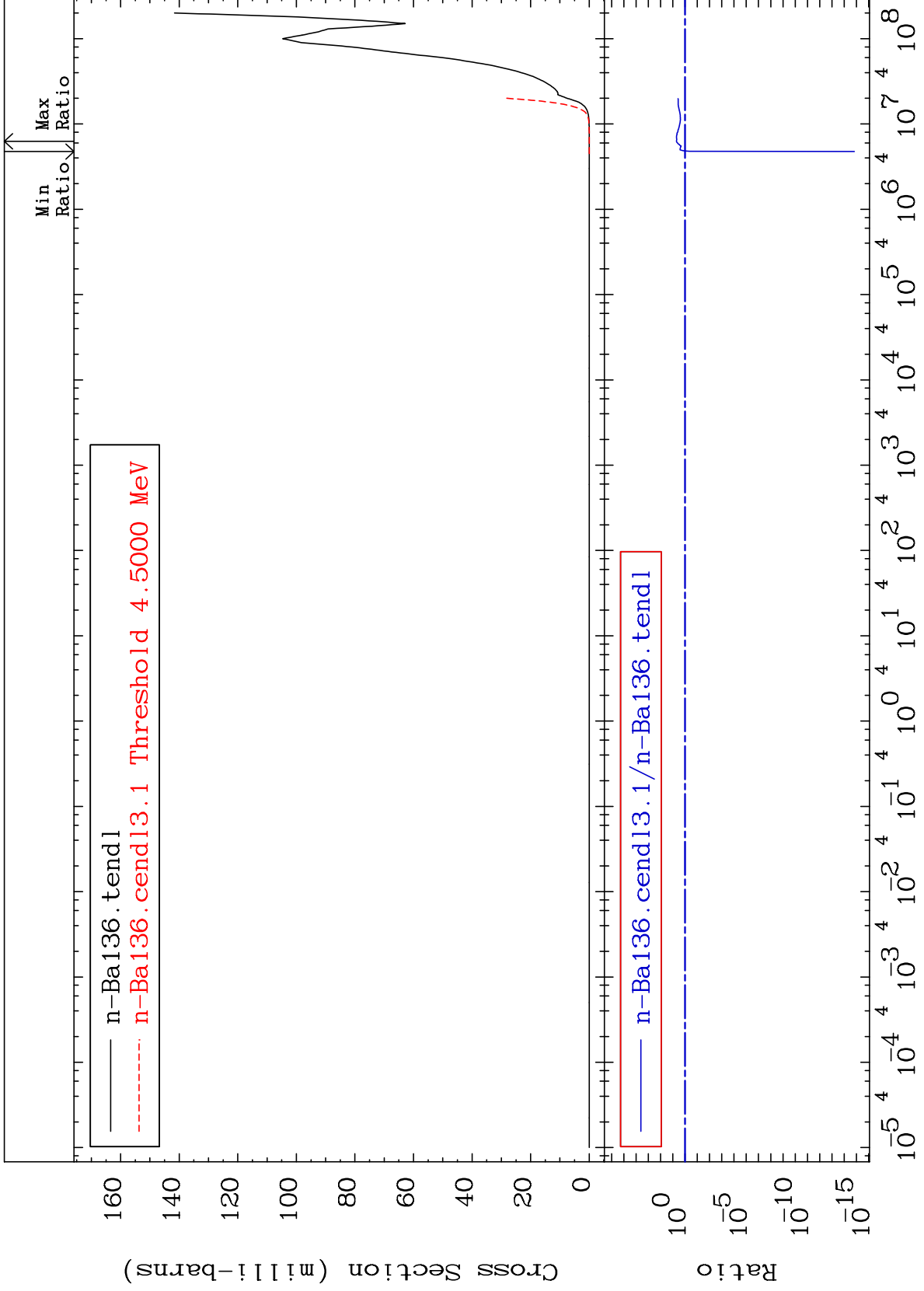
56-Ba-136
To 9999. %

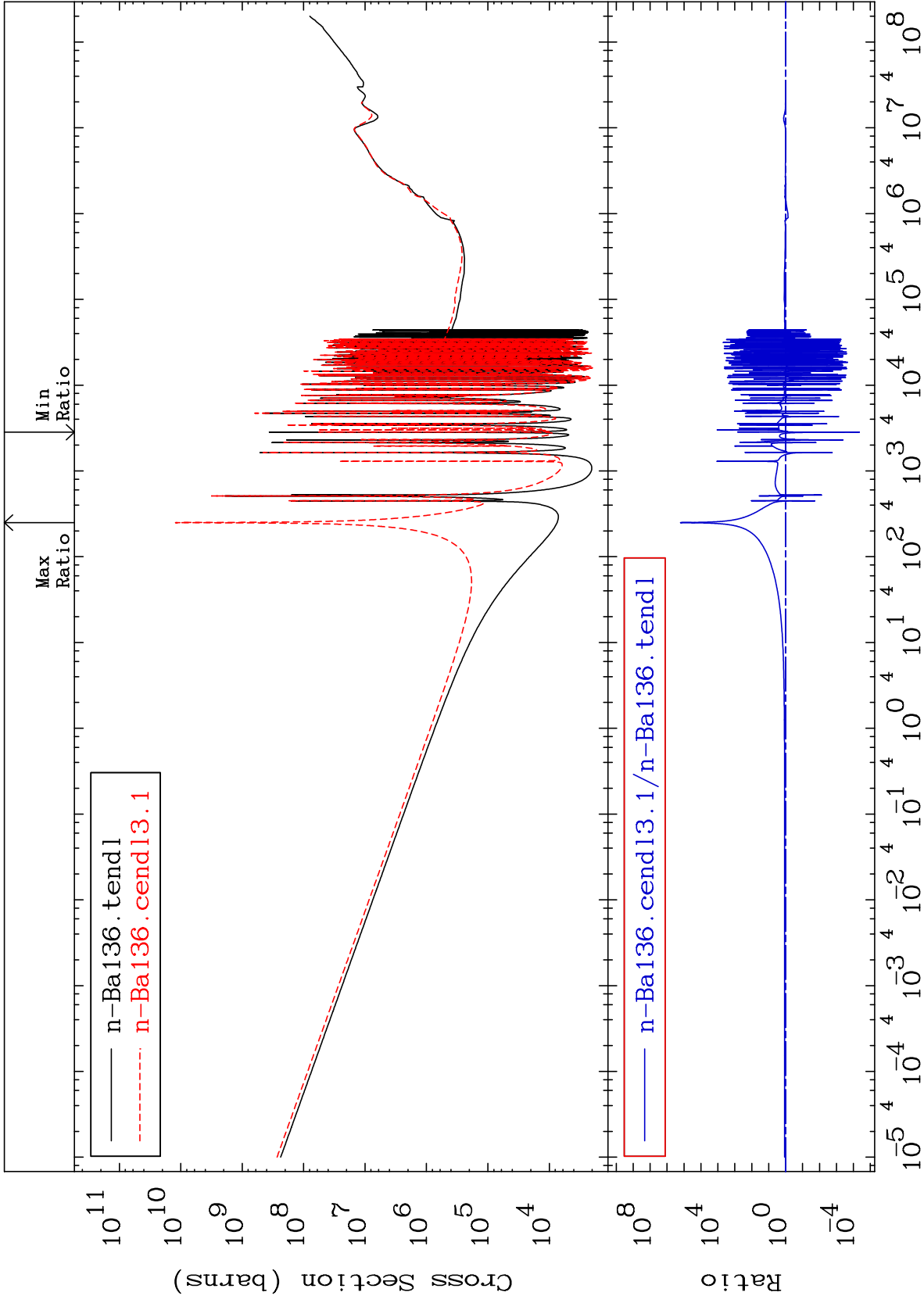


MAT 5643

He-4 Production
Cross Section

56-Ba-136
-100.0 To 414.2 %

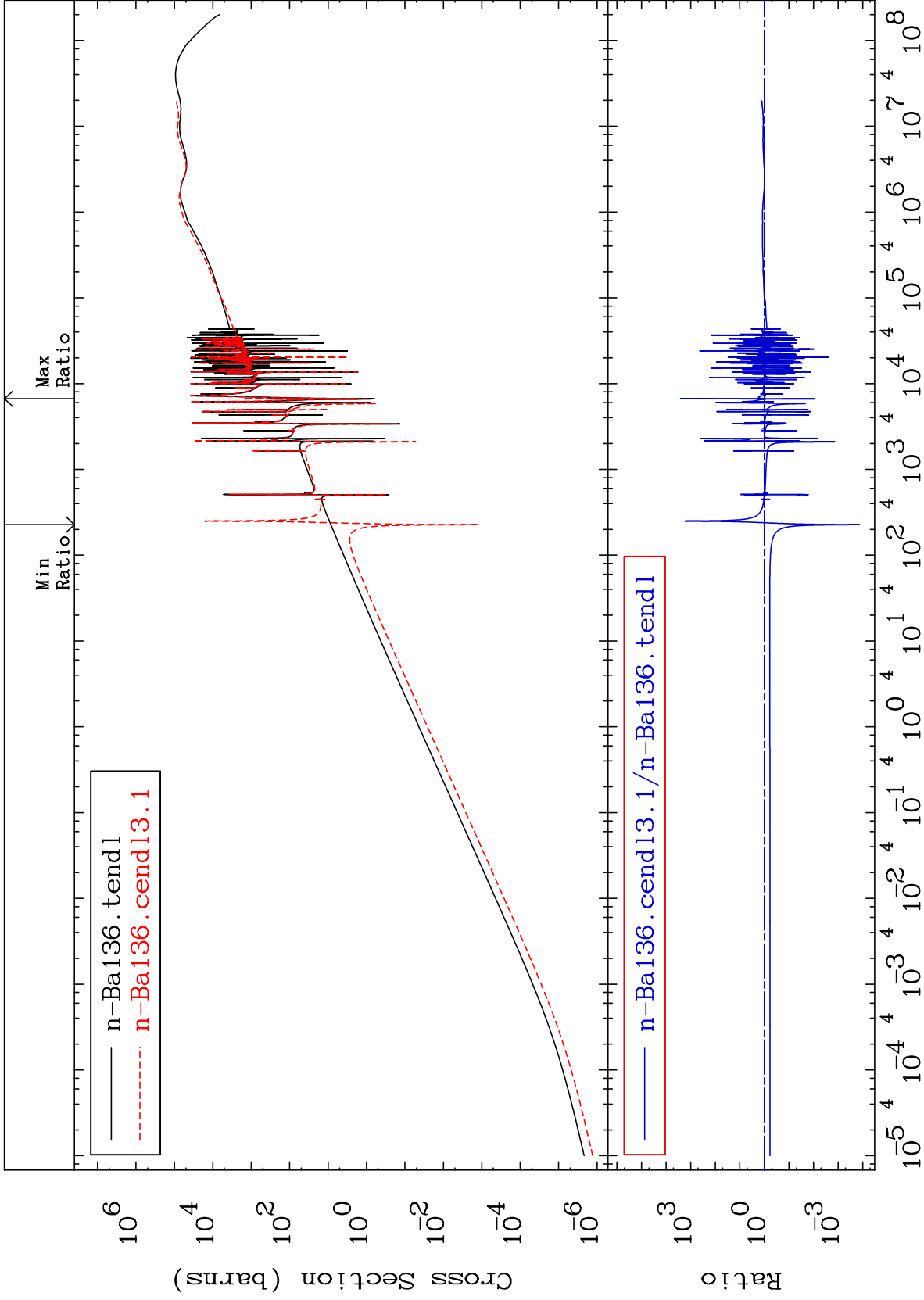


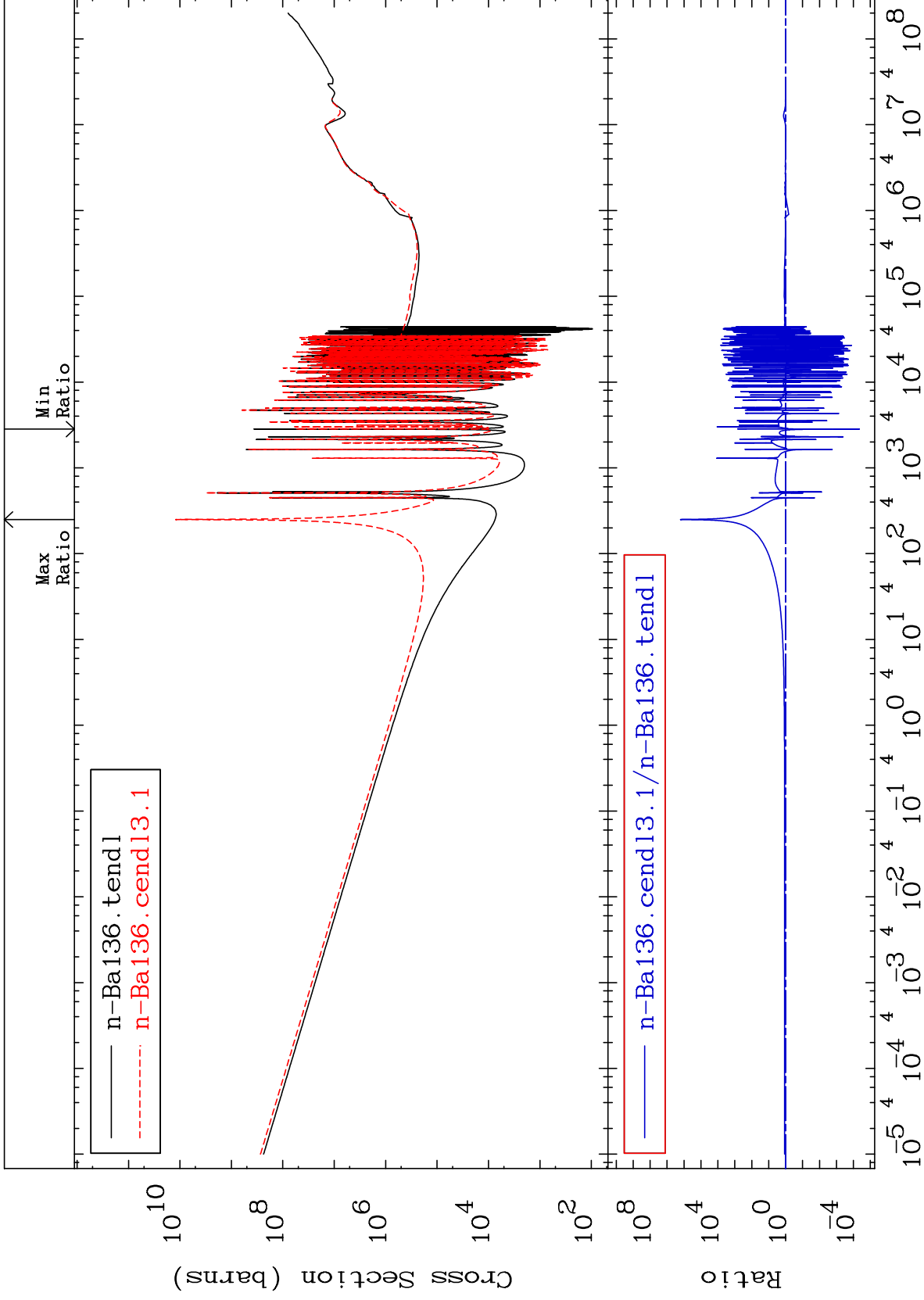


MAT 5643

Kerma elastic
Cross Section

56-Ba-136
-99.99 To 9999. %

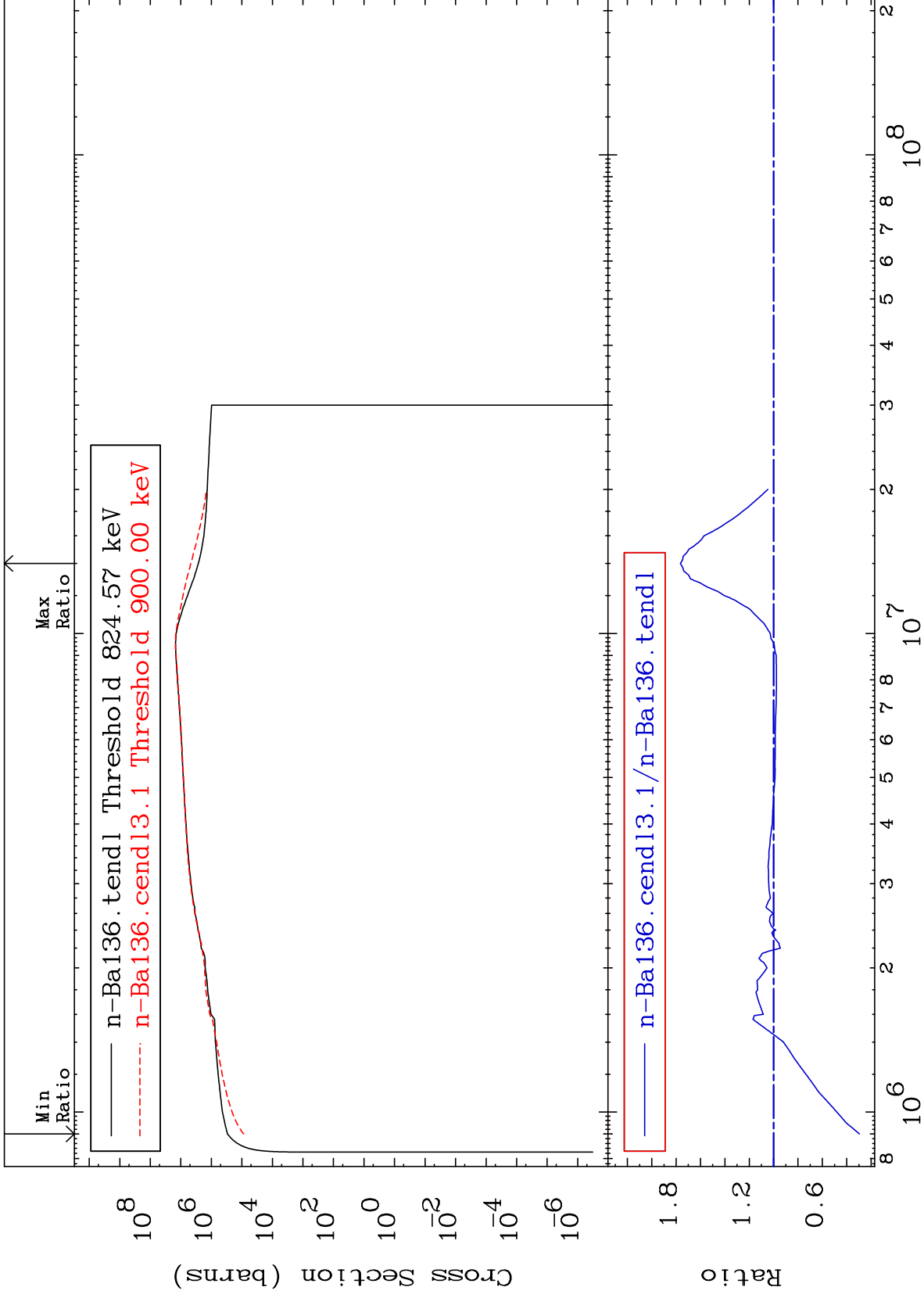




MAT 5643

Kerma inelastic (mt51-91)
Cross Section

56-Ba-136
-70.42 To 76.54 %



26

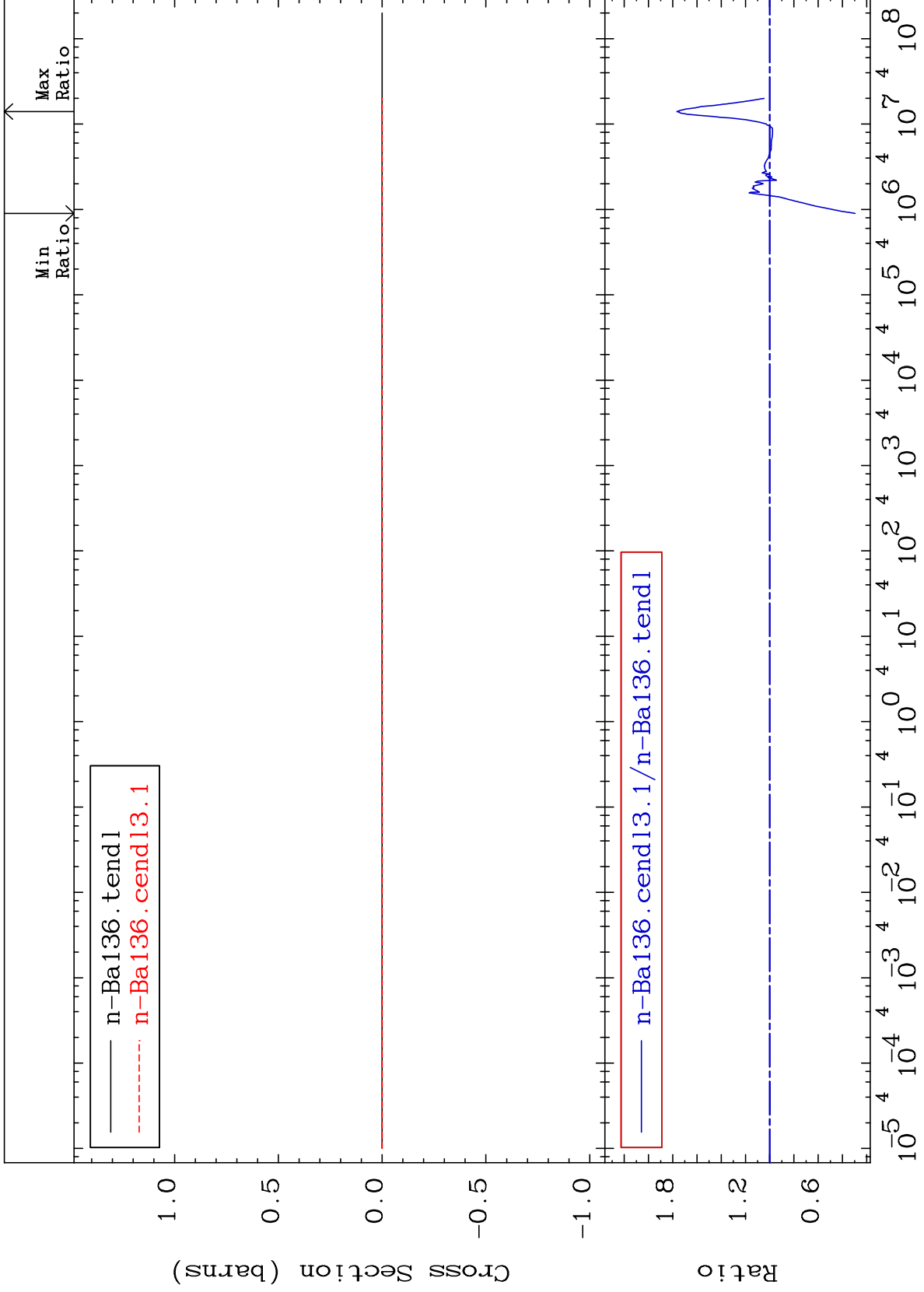
56-Ba-136

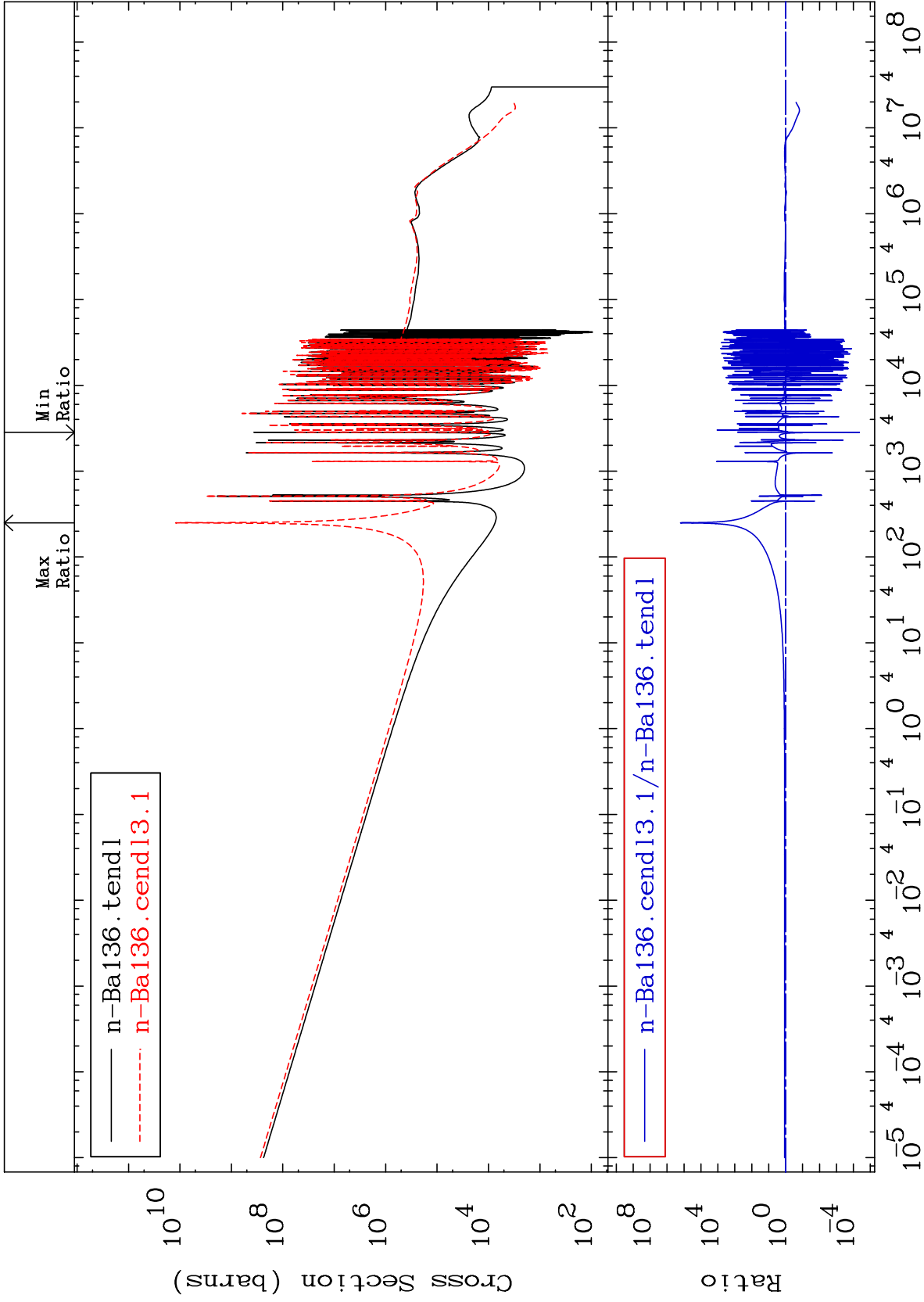
56-Ba-136

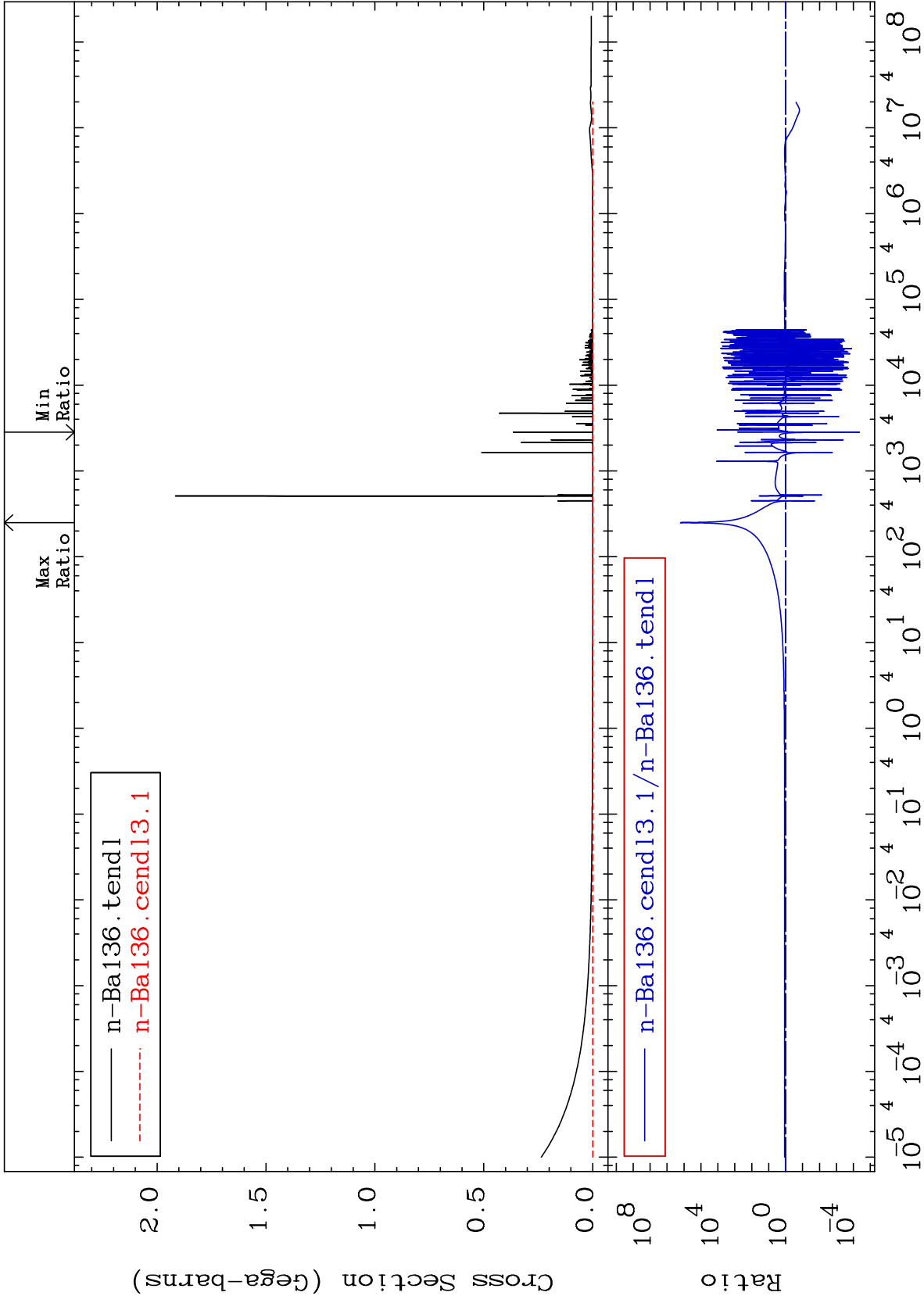
MAT 5643

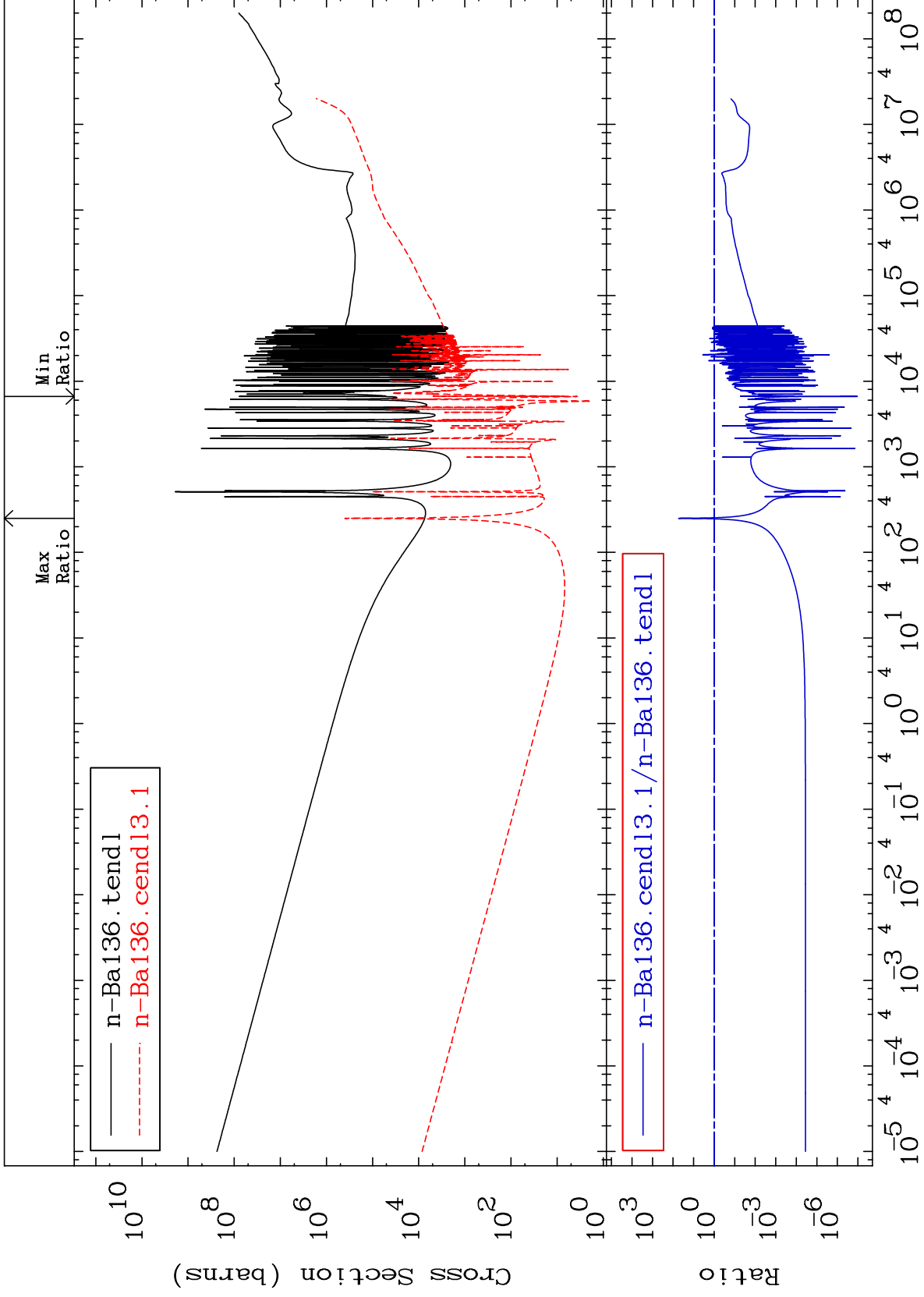
Kerma fission (mt18 or mt19-20-21-38)
Cross Section

56-Ba-136
-70.42 To 76.54 %









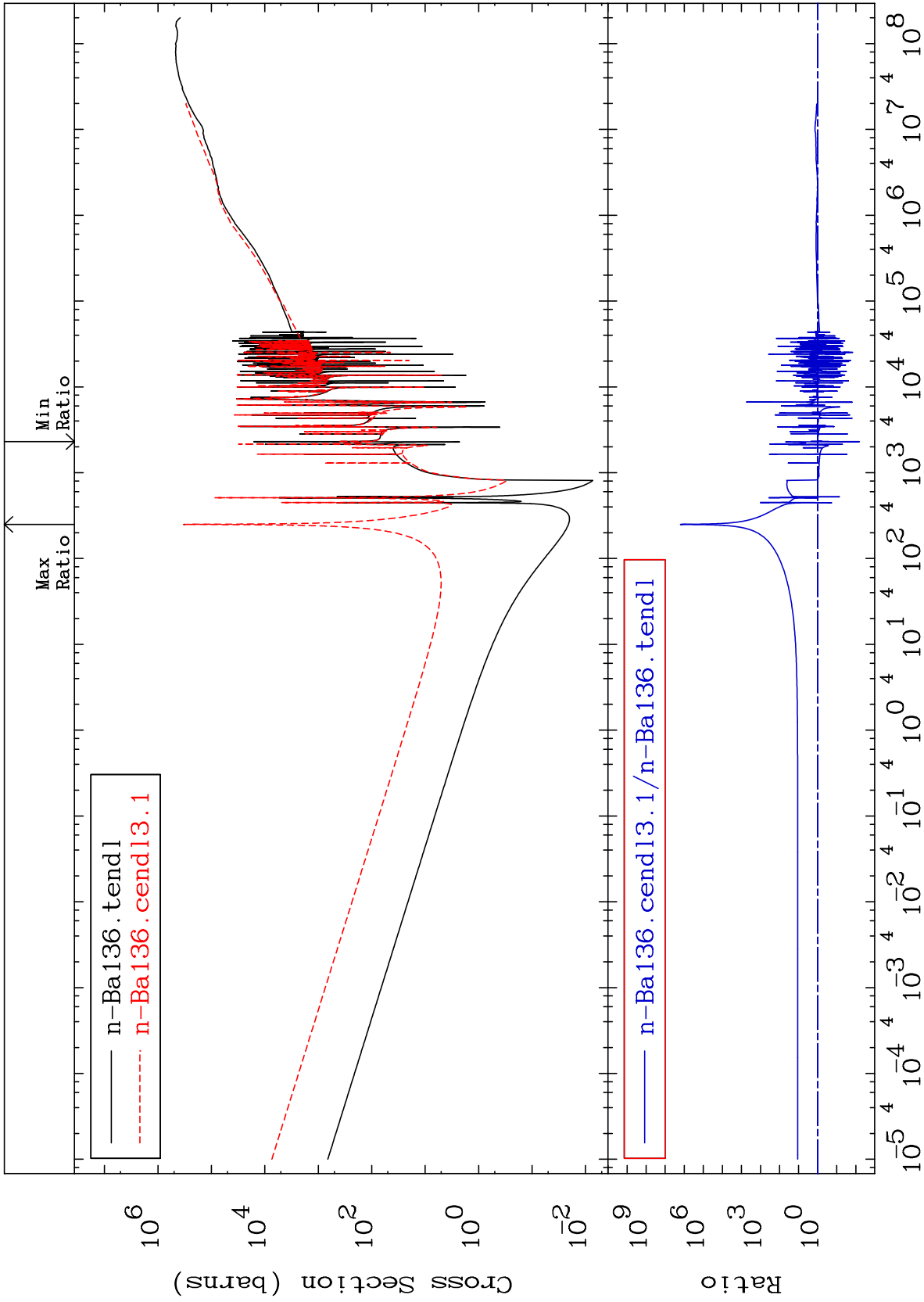
MAT 5643

Dpa total (eV-barns)

56-Ba-136

-99.35 To 9999. %

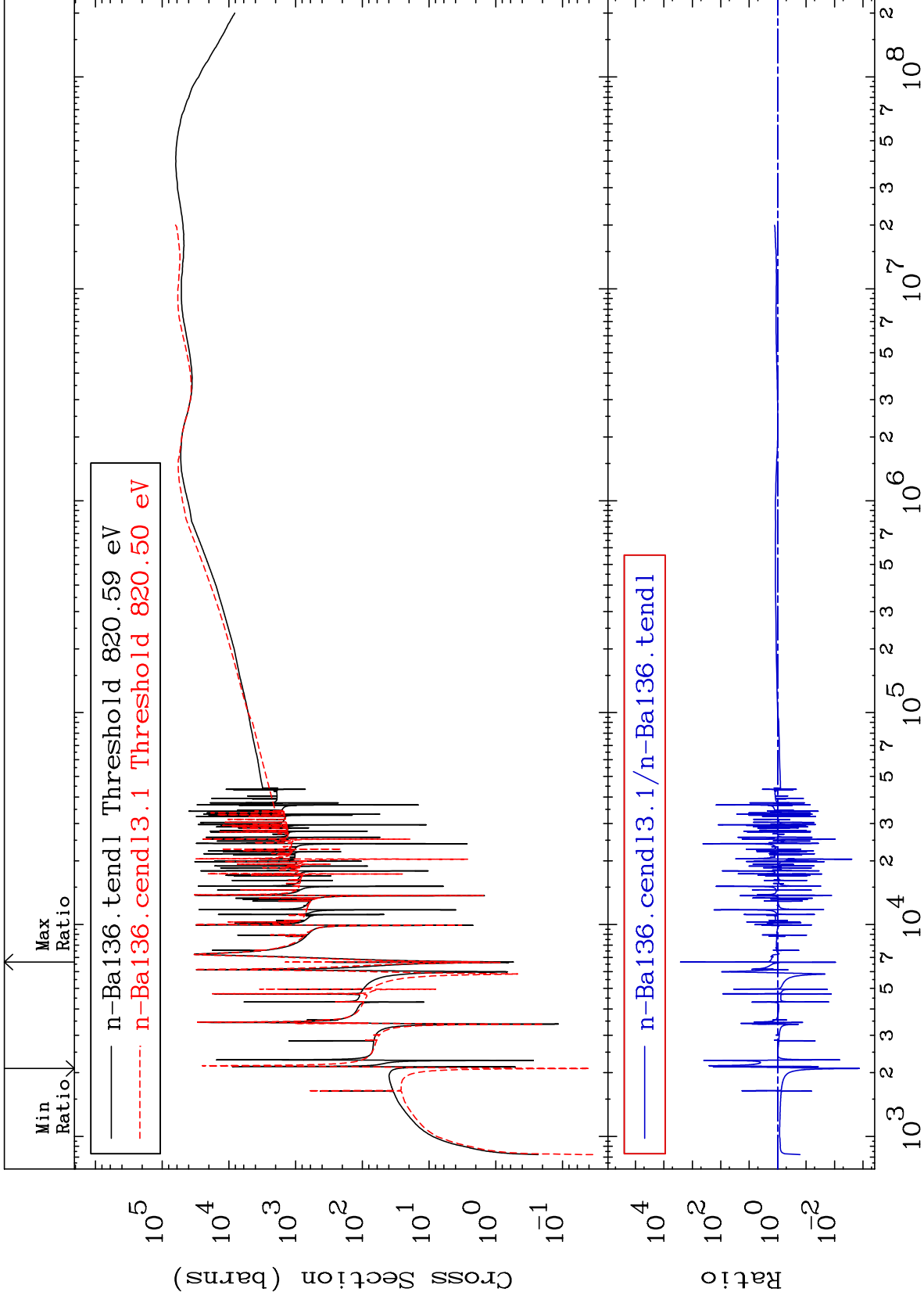
Cross Section



MAT 5643

Dpa elastic (mt2)
Cross Section

56-Ba-136
-99.87 To 9999. %



32

Incident Energy (eV)

56-Ba-136

