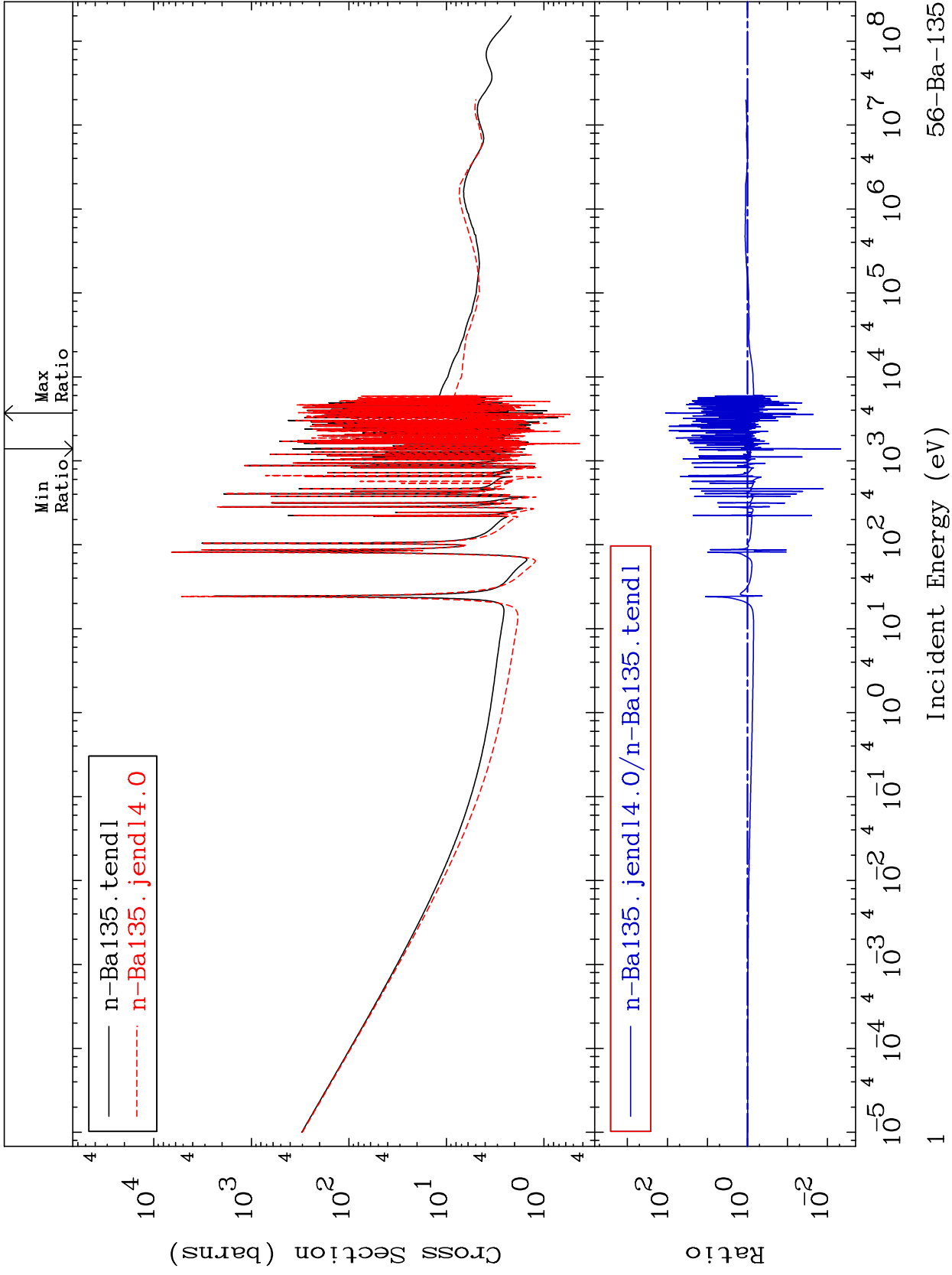


MAT 5640

Total Cross Section
56-Ba-135
-99.53 To 9999. %



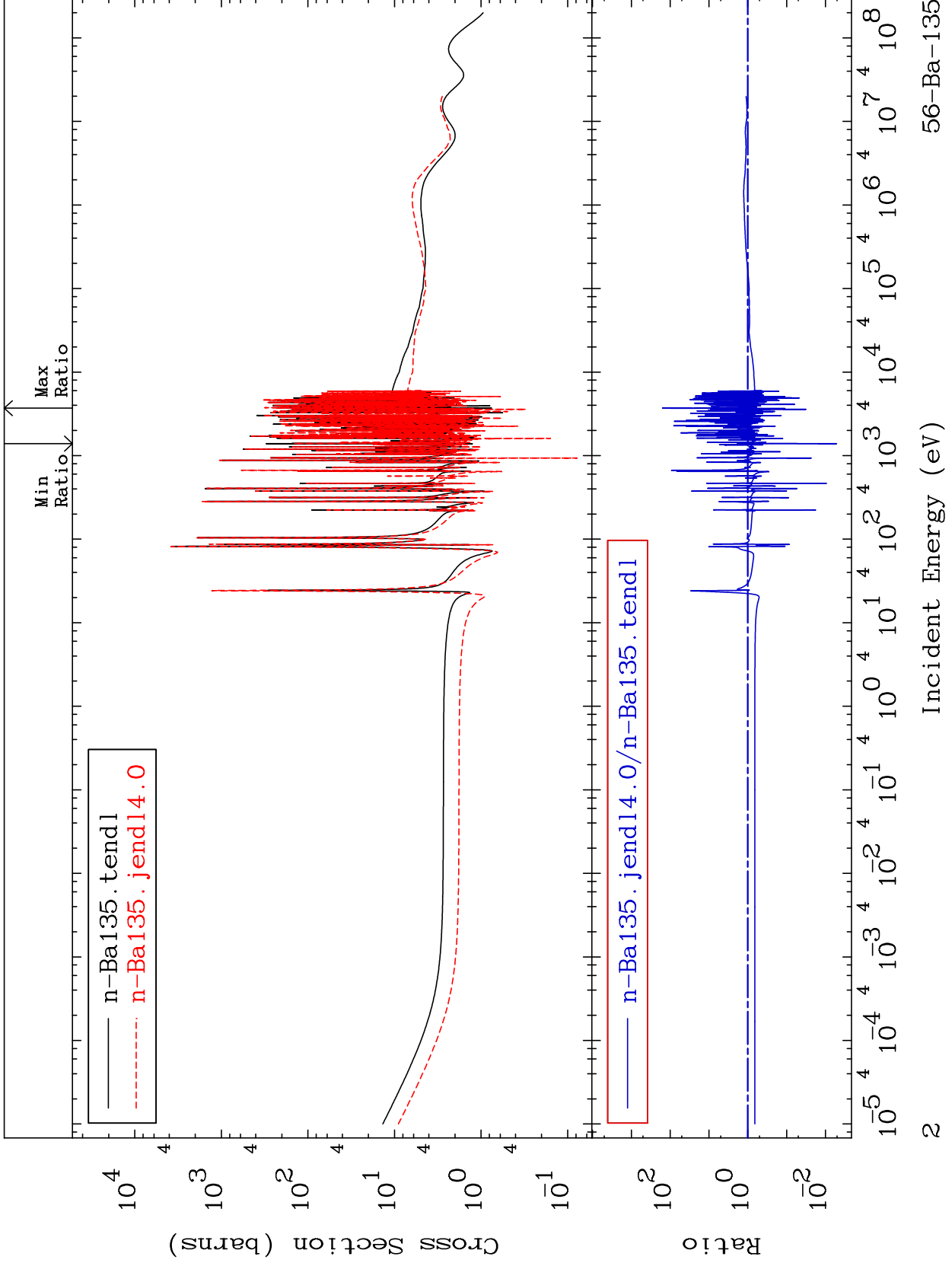
56-Ba-135

Incident Energy (eV)

MAT 5640

Elastic
Cross Section

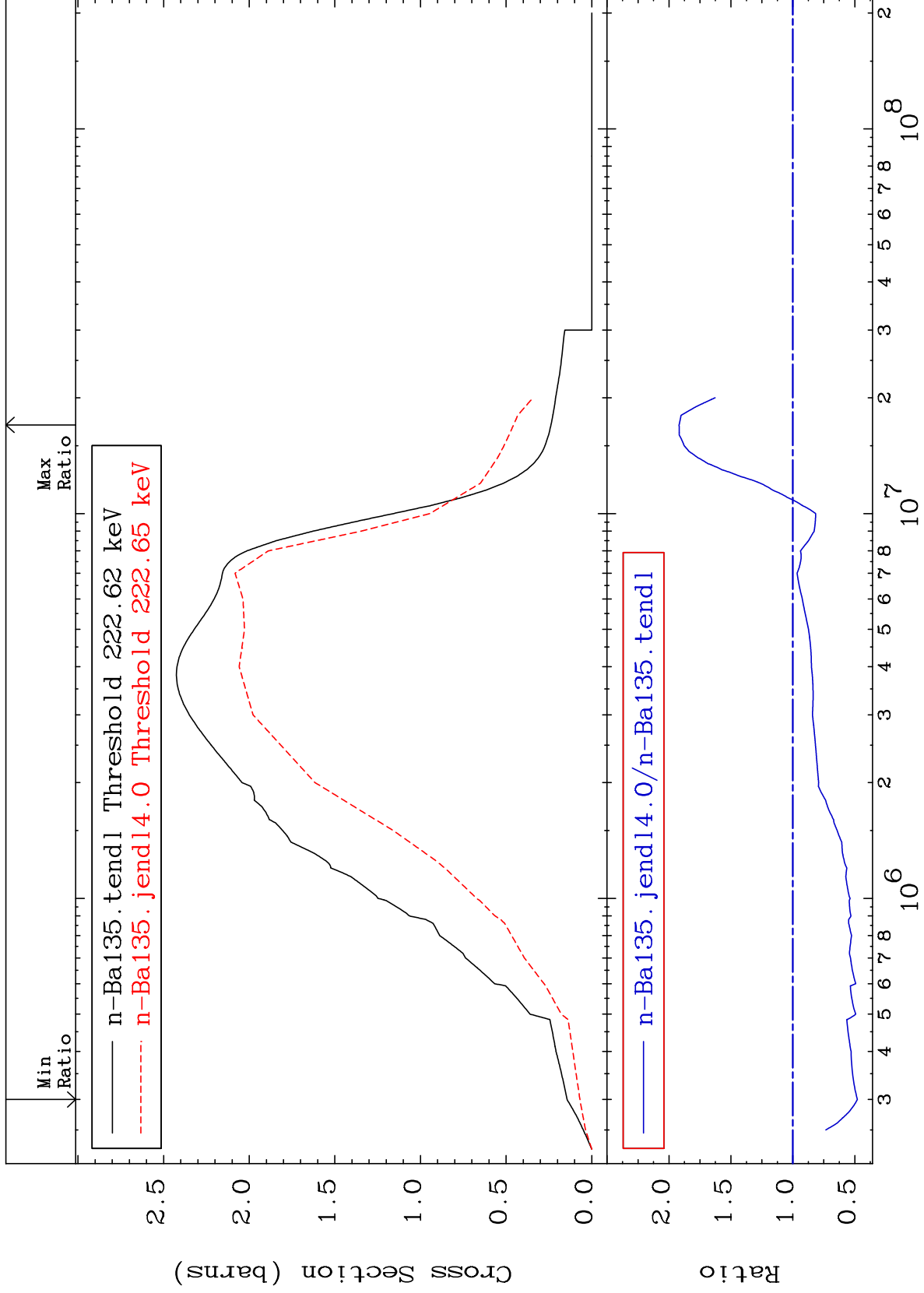
56-Ba-135
-99.48 To 9999. %



MAT 5640

Inelastic
Cross Section

56-Ba-135
-52.09 To 91.86 %



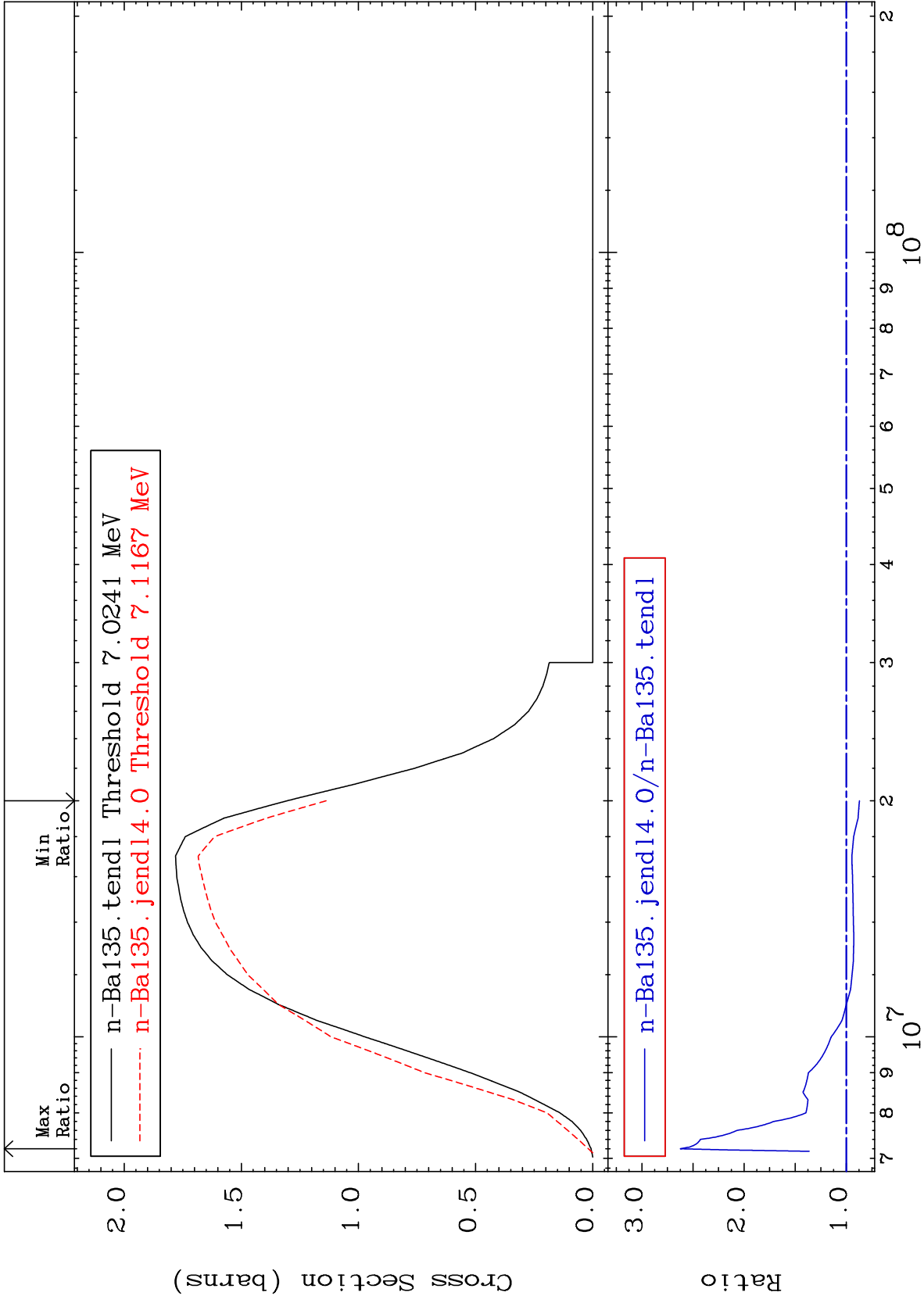
MAT 5640

(n,2n)

56-Ba-135

Cross Section

-12.82 To 162.4 %



4

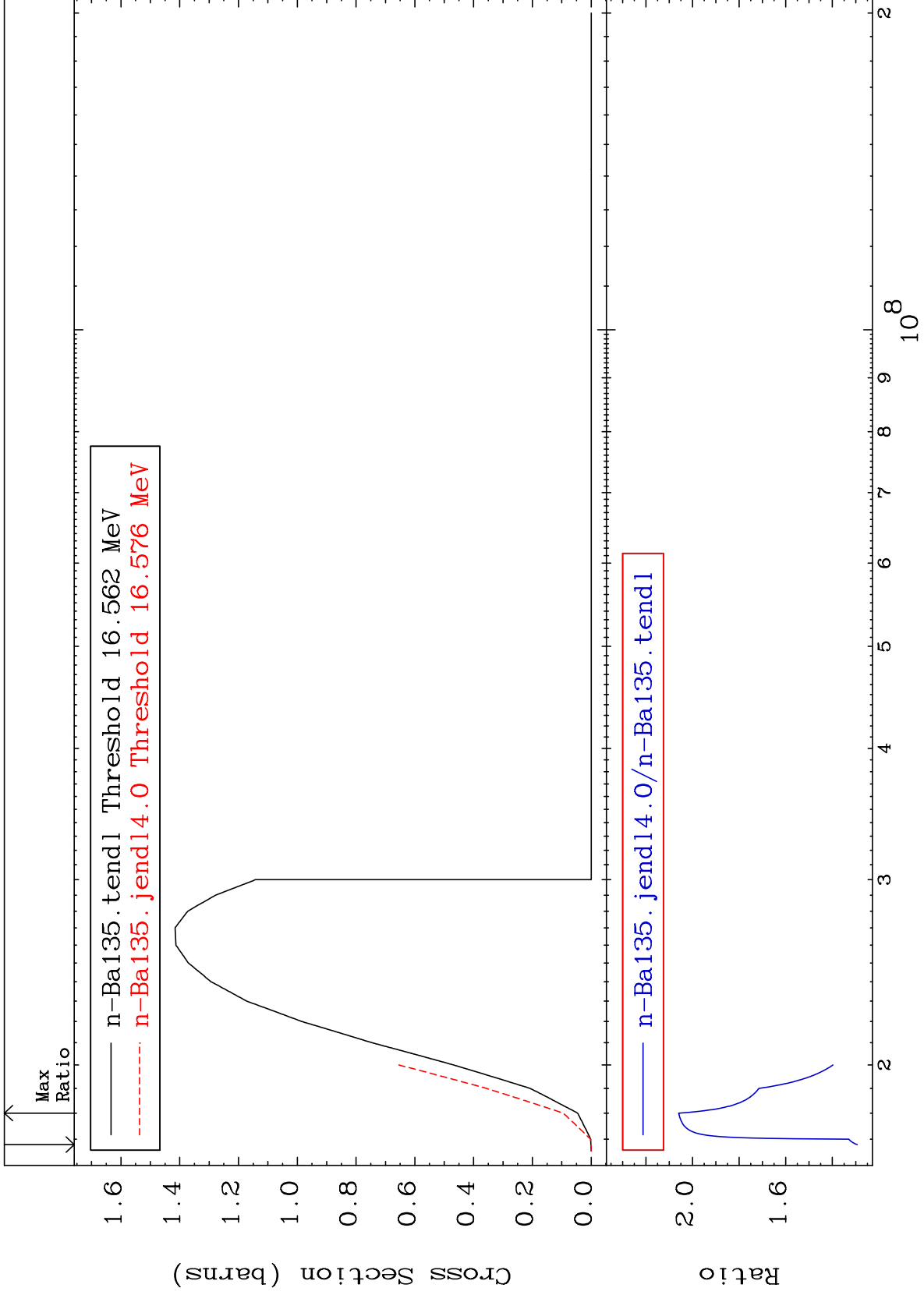
56-Ba-135

56-Ba-135

MAT 5640

(n,3n)
Cross Section

56-Ba-135
29.34 To 106.0 %

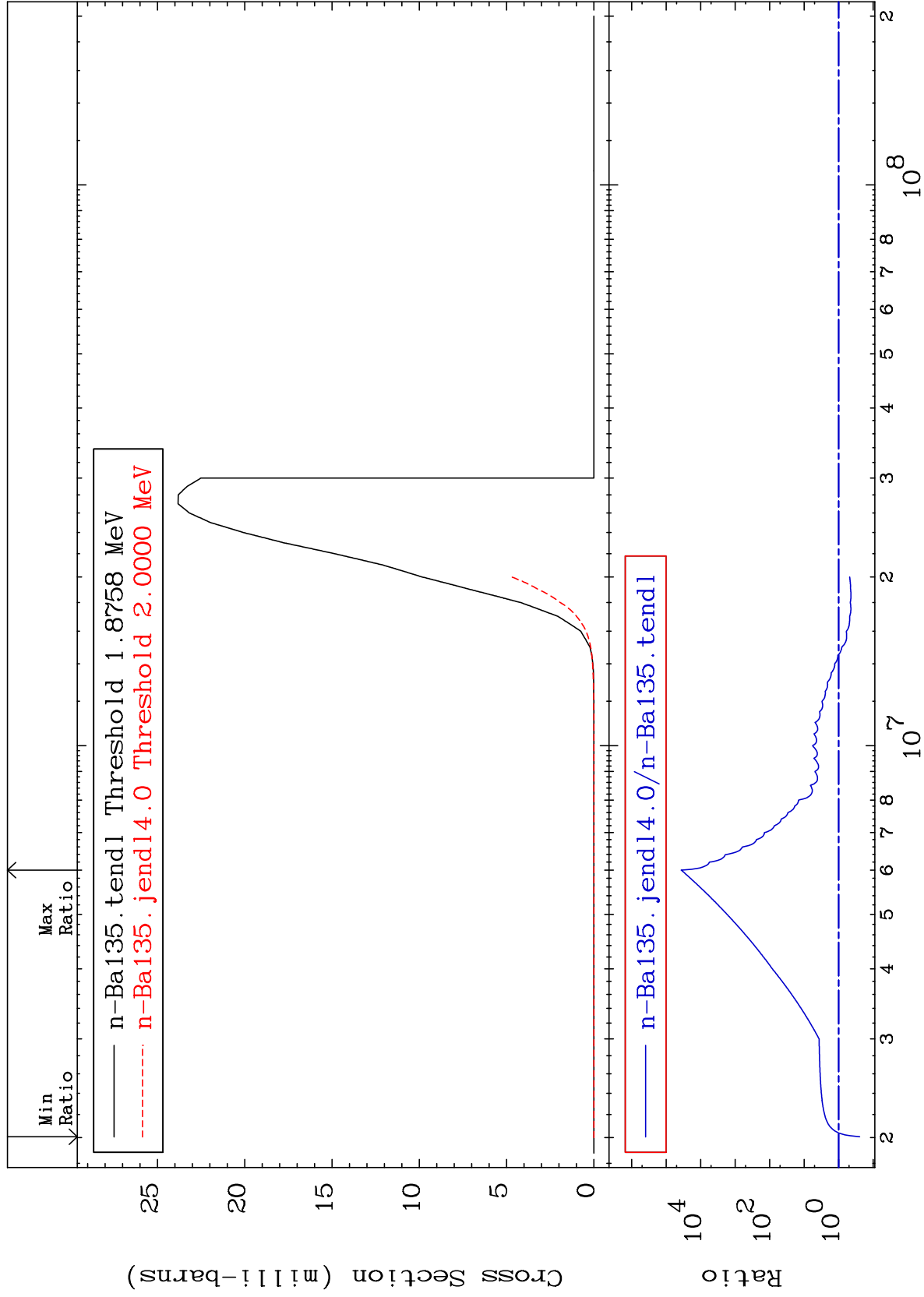


MAT 5640

(n,n') α
Cross Section

56-Ba-135

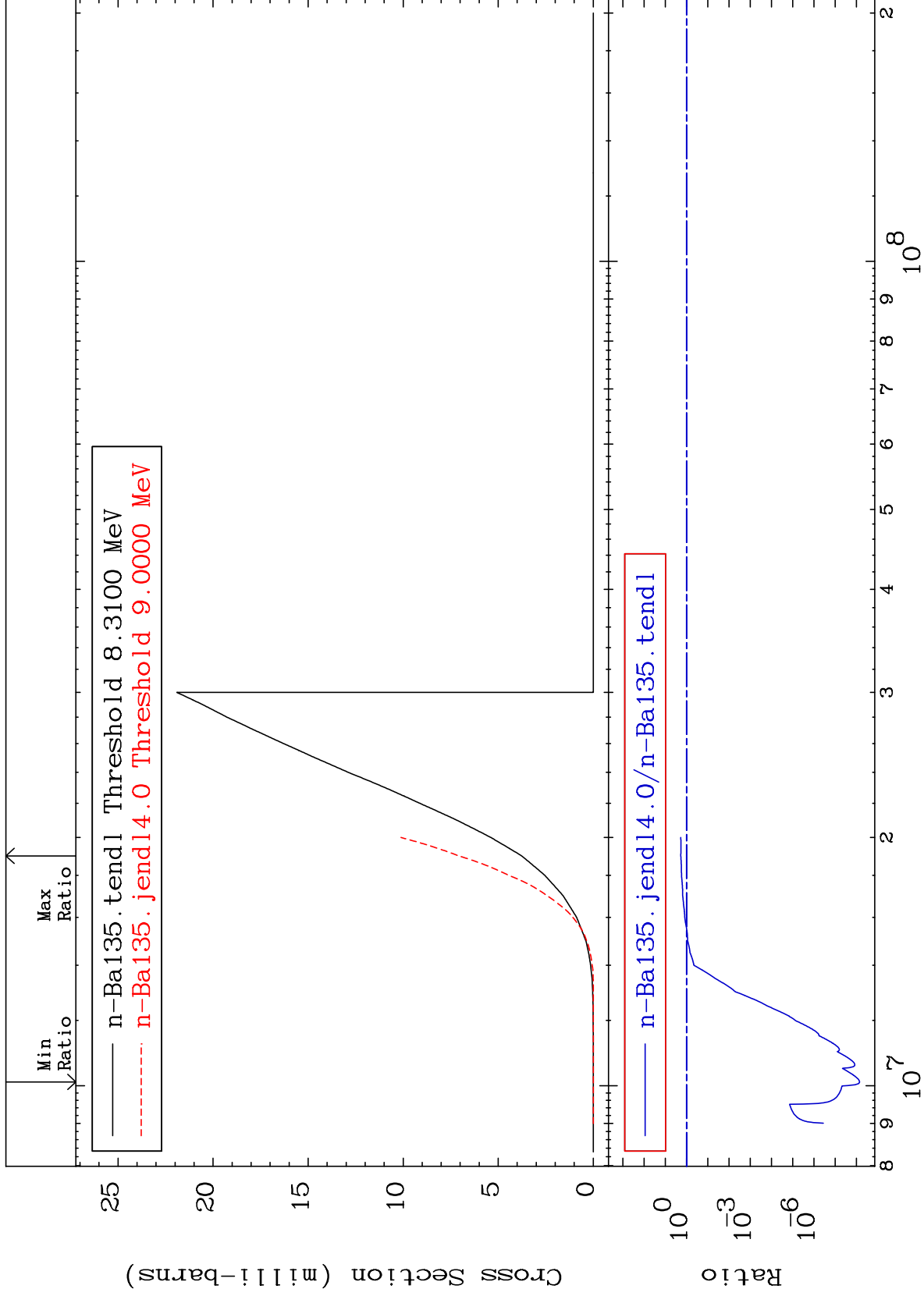
-75.47 To 9999. %



MAT 5640

(n,n') p
Cross Section

56-Ba-135
-100.0 To 88.15 %



7

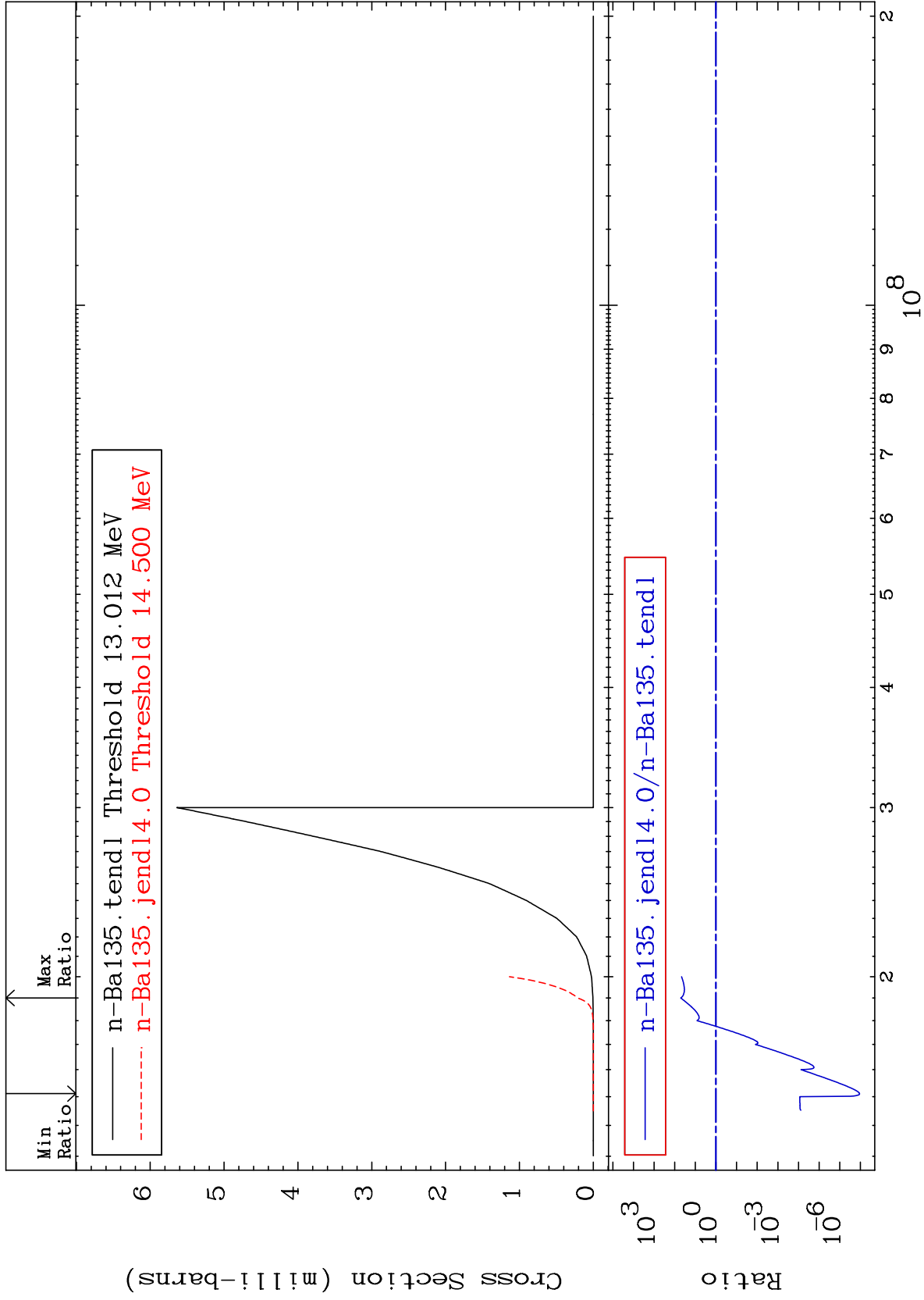
Incident Energy (eV)

56-Ba-135

MAT 5640

(n, n') d
Cross Section

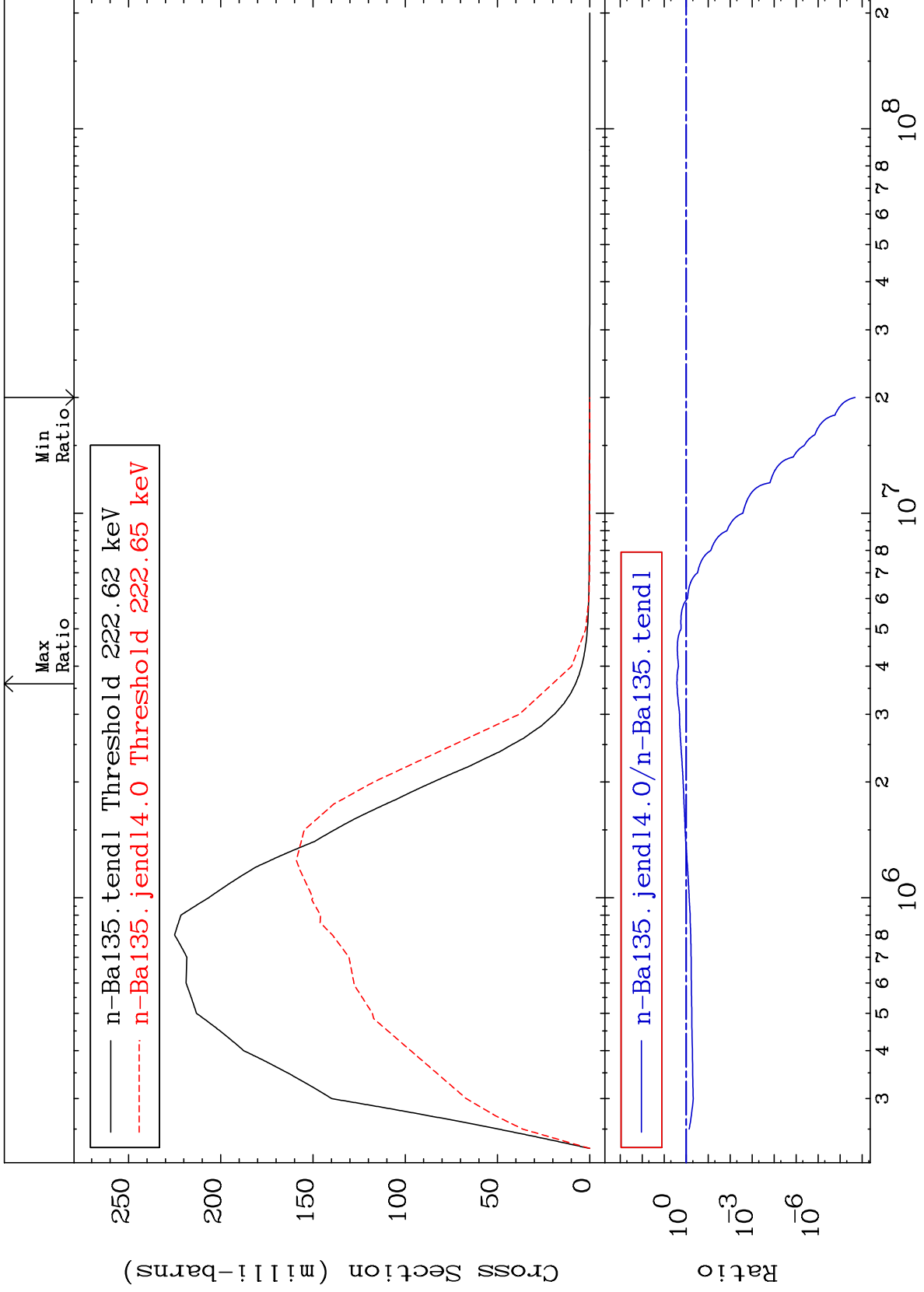
56-Ba-135
-100.0 To 5007. %



MAT 5640

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

56-Ba-135
-100.0 To 163.5 %



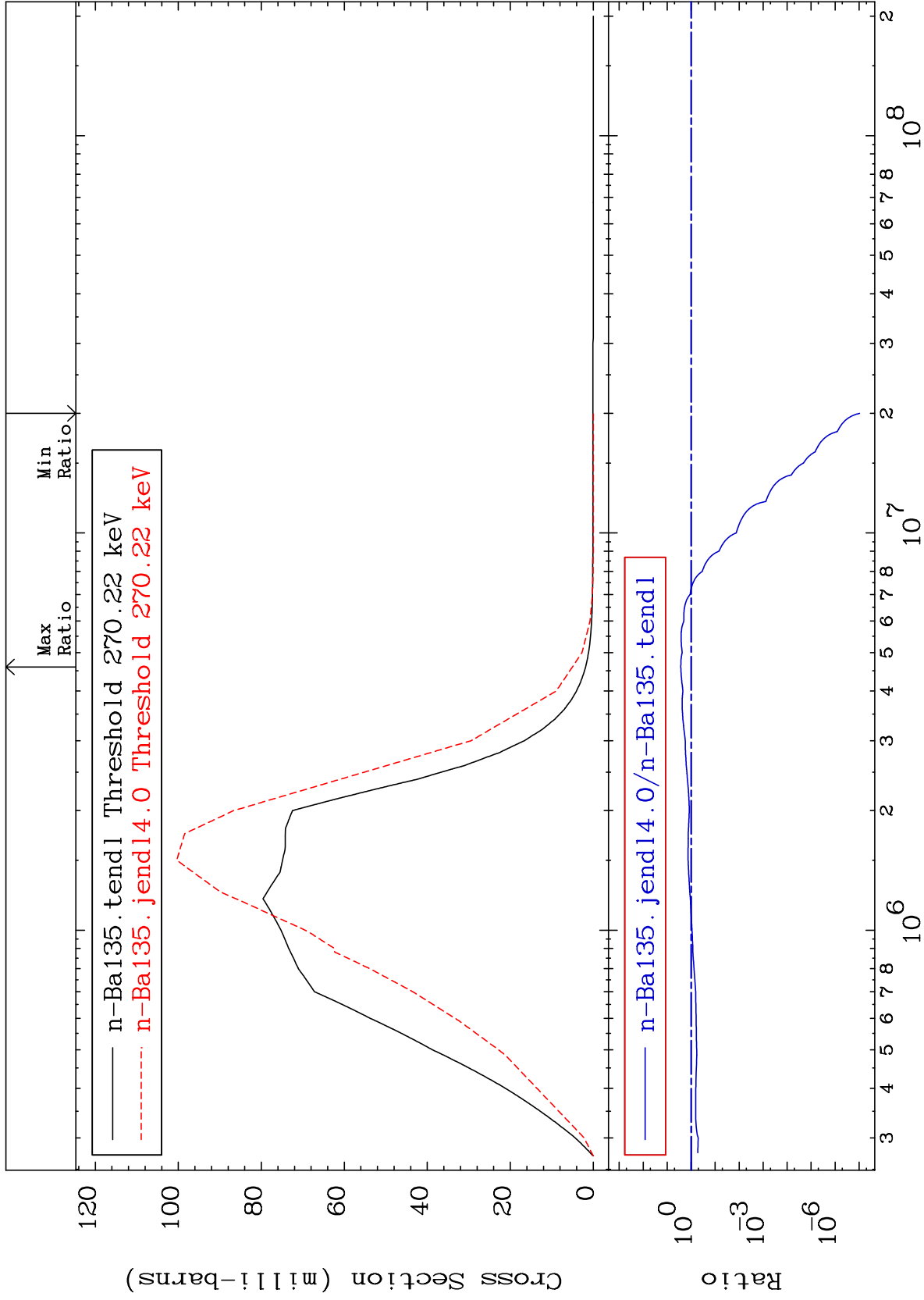
MAT 5640

MT= 52 (n,n') Level

56-Ba-135

-100.0 To 171.1 %

Cross Section



10

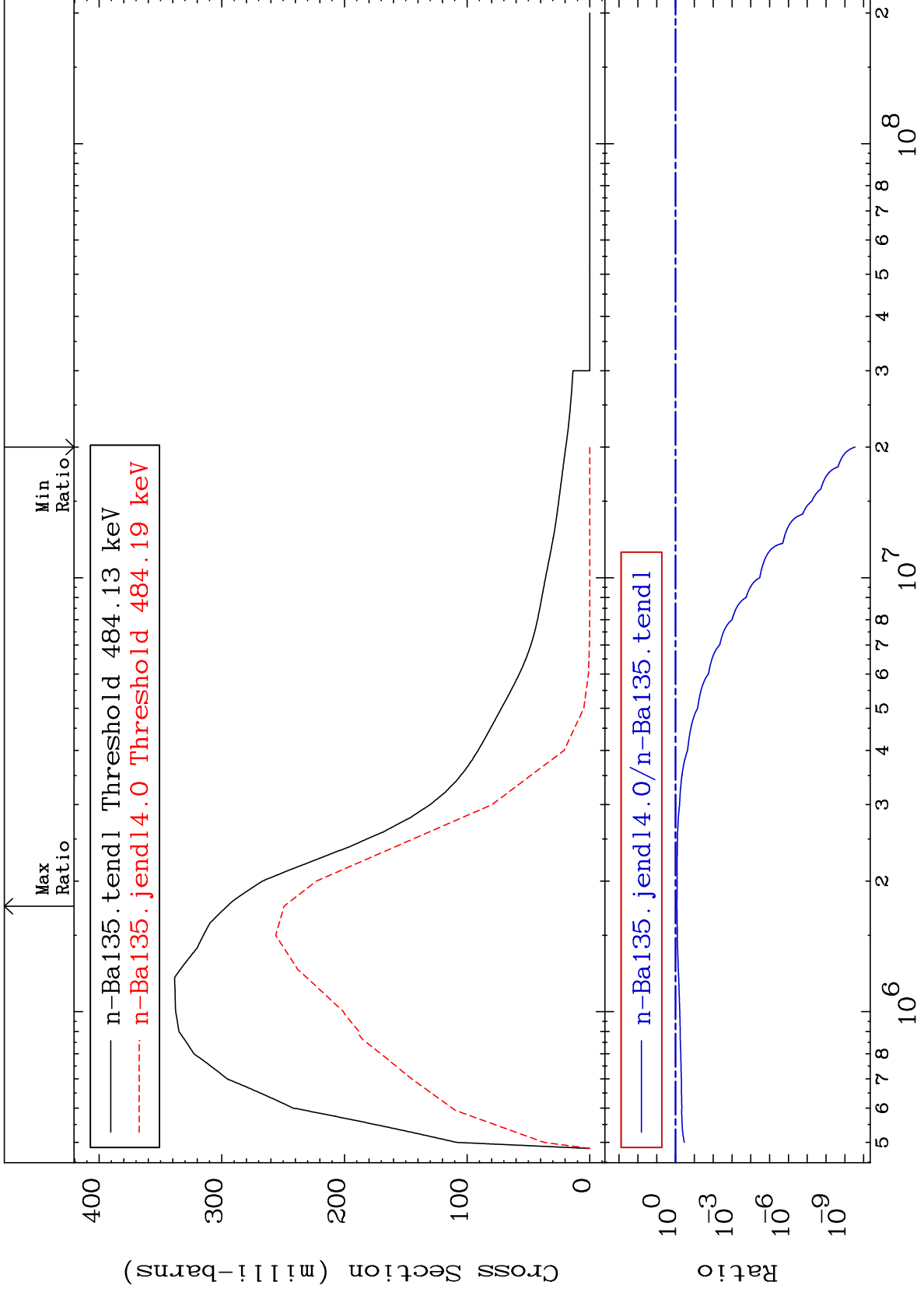
Incident Energy (eV)

56-Ba-135

MAT 5640

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

56-Ba-135
-100.0 To -15.69%



11

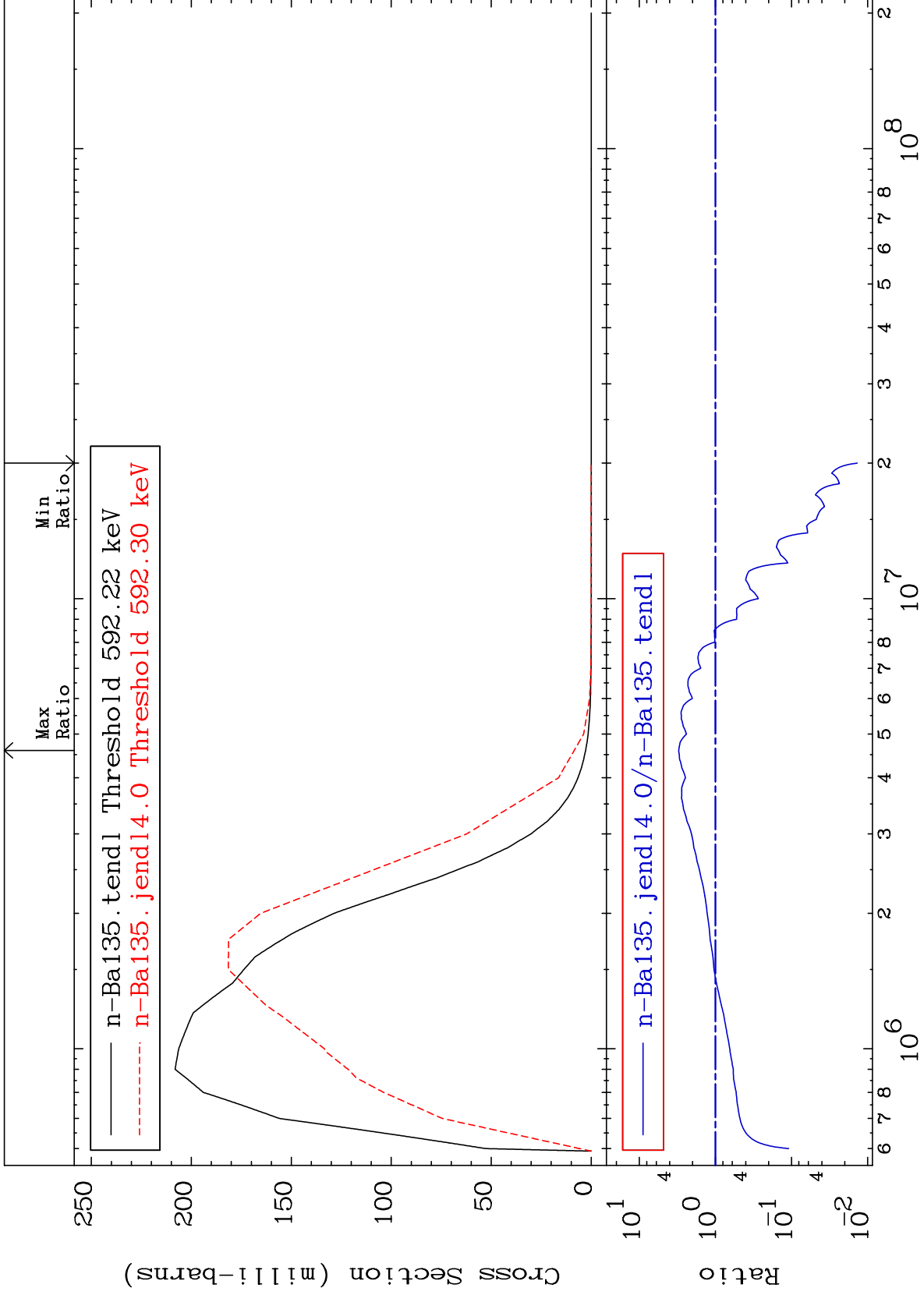
Incident Energy (eV)

56-Ba-135

MAT 5640

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

56-Ba-135
-98.63 To 204.7 %



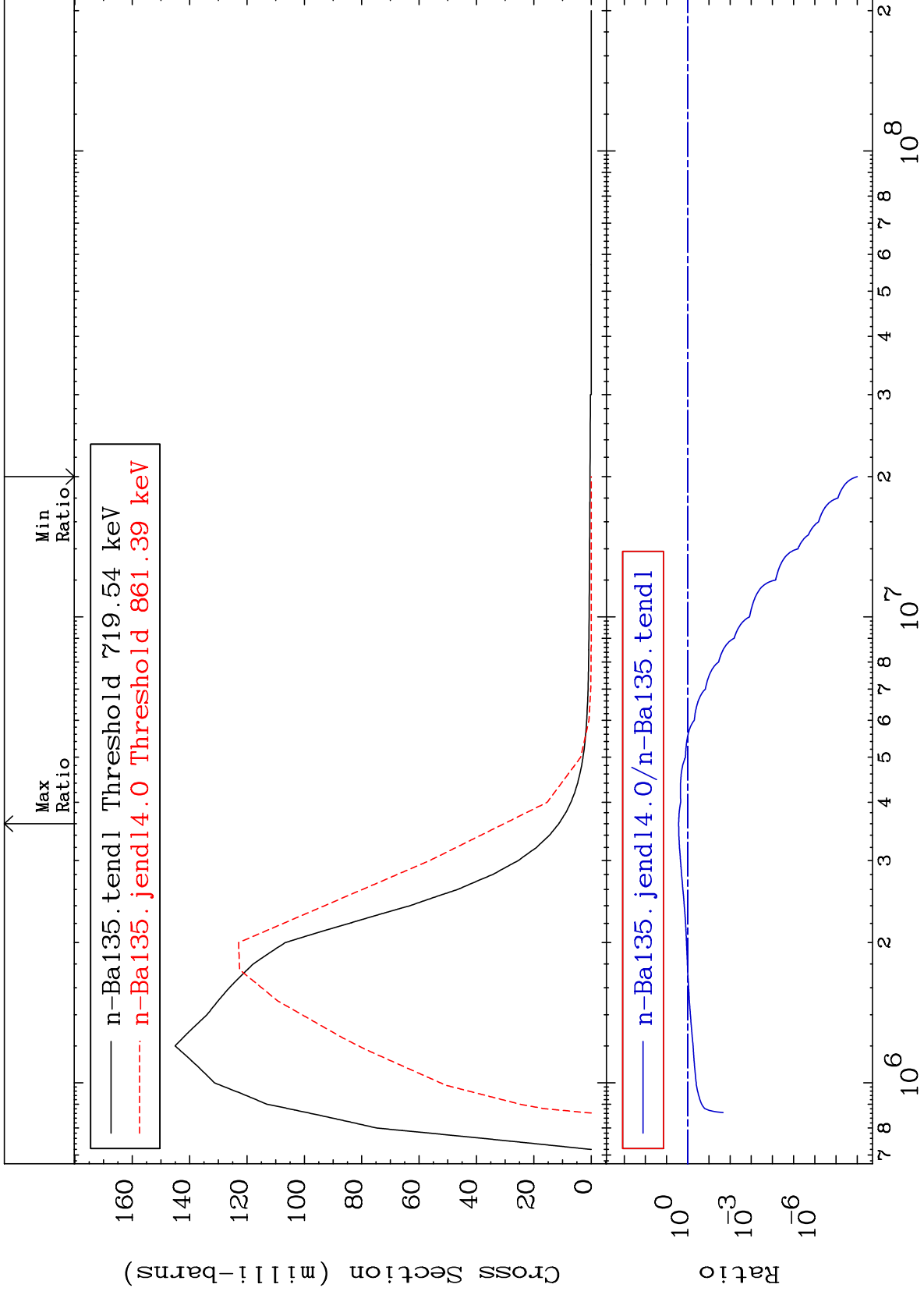
12

56-Ba-135

MAT 5640

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

56-Ba-135
-100.0 To 169.5 %



13

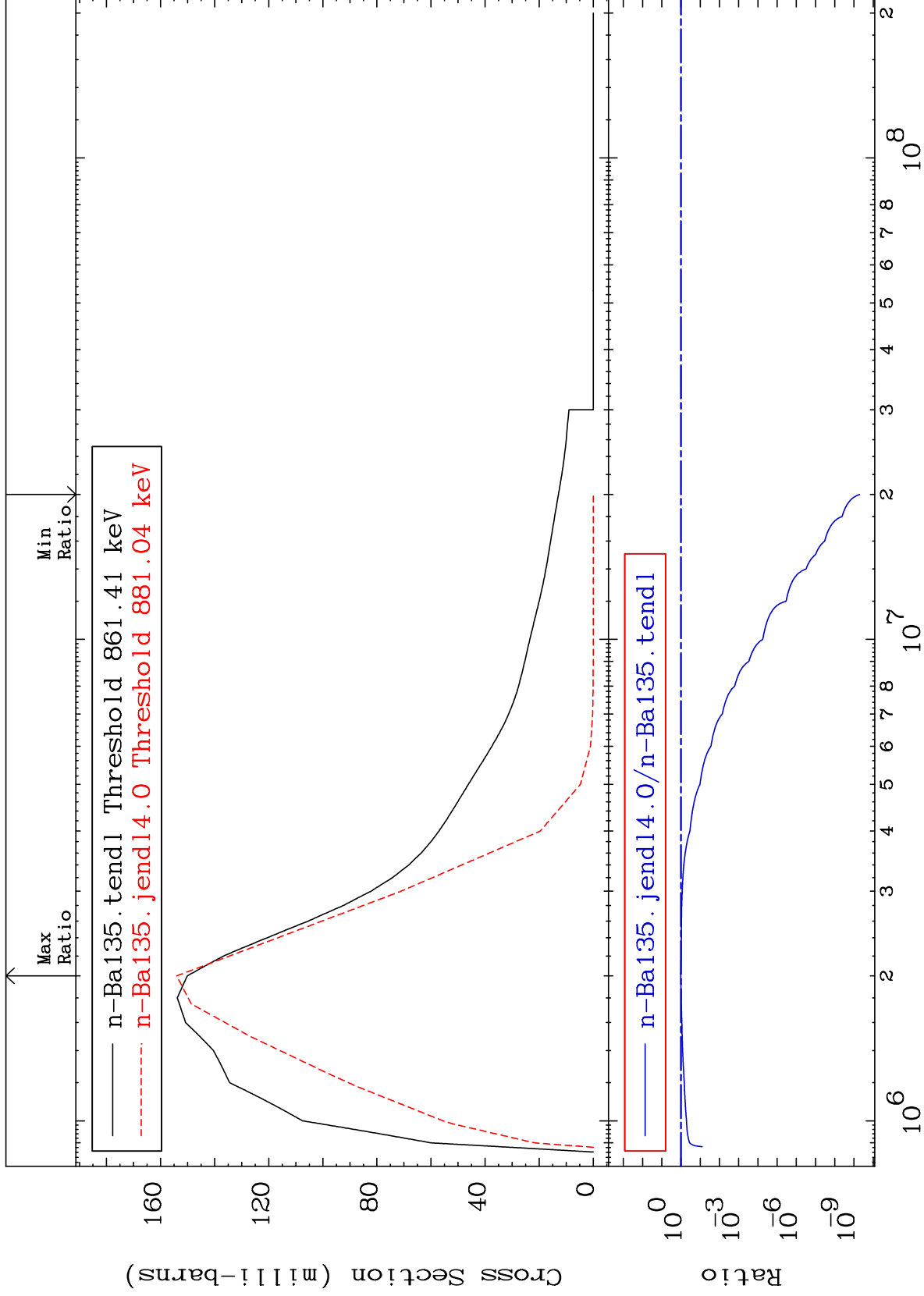
Incident Energy (eV)

56-Ba-135

MAT 5640

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

56-Ba-135
-100.0 To 2.611 %



14

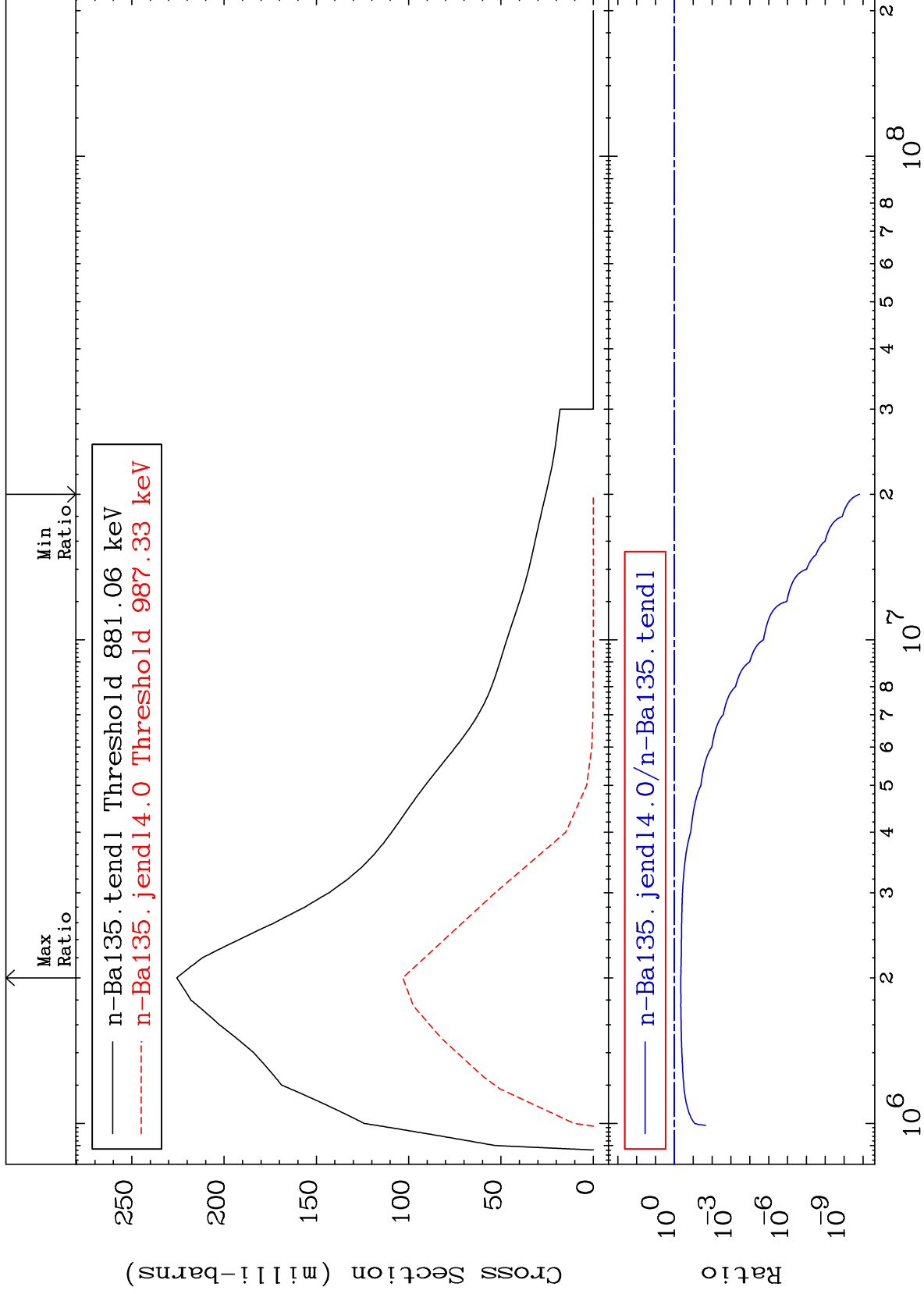
Incident Energy (eV)

56-Ba-135

MAT 5640

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

56-Ba-135
-100.0 To -54.27%



15

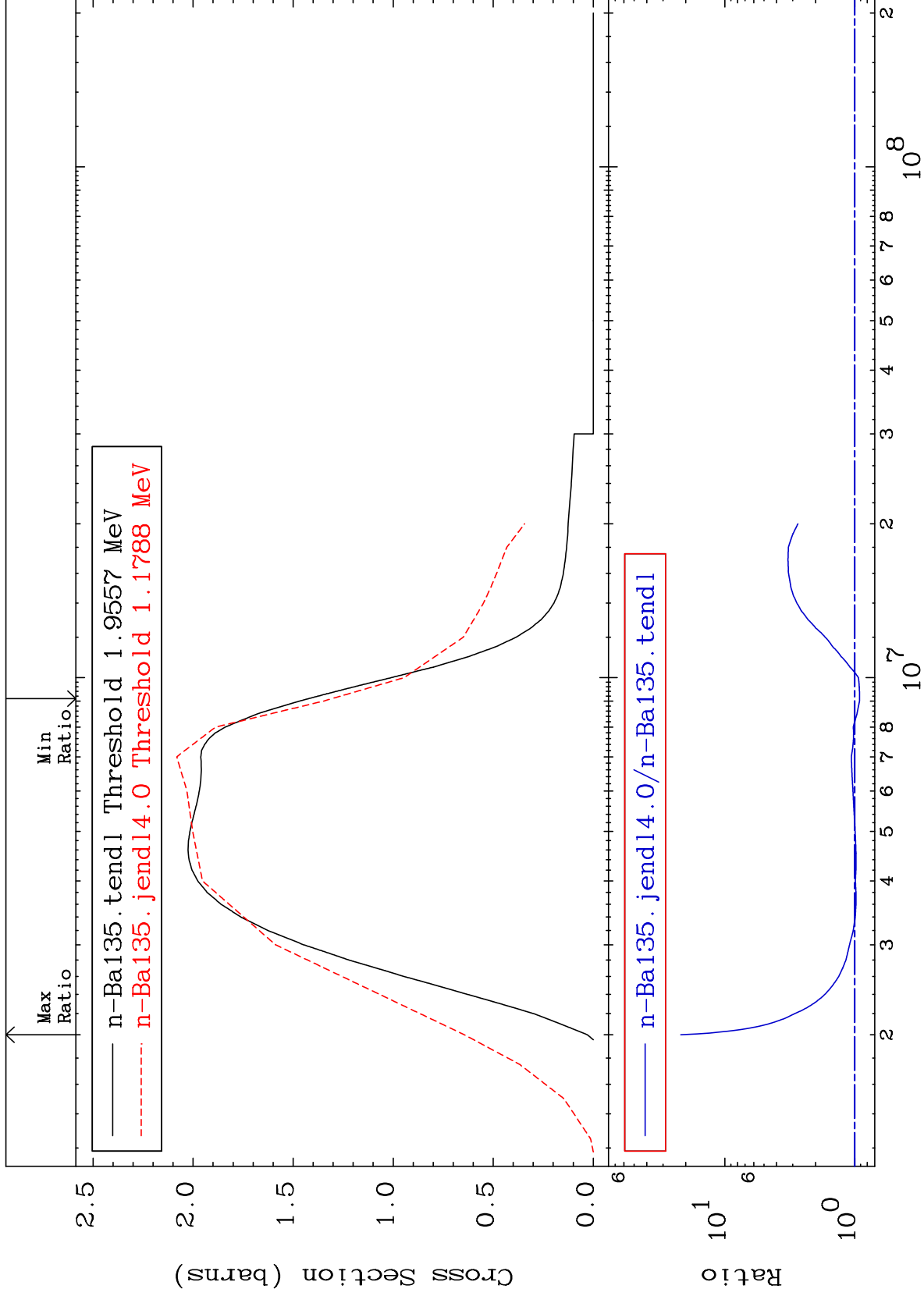
Incident Energy (eV)

56-Ba-135

MAT 5640

(n, n') Continuum
Cross Section

56-Ba-135
-8.216 To 2087. %



16

Incident Energy (eV)

56-Ba-135

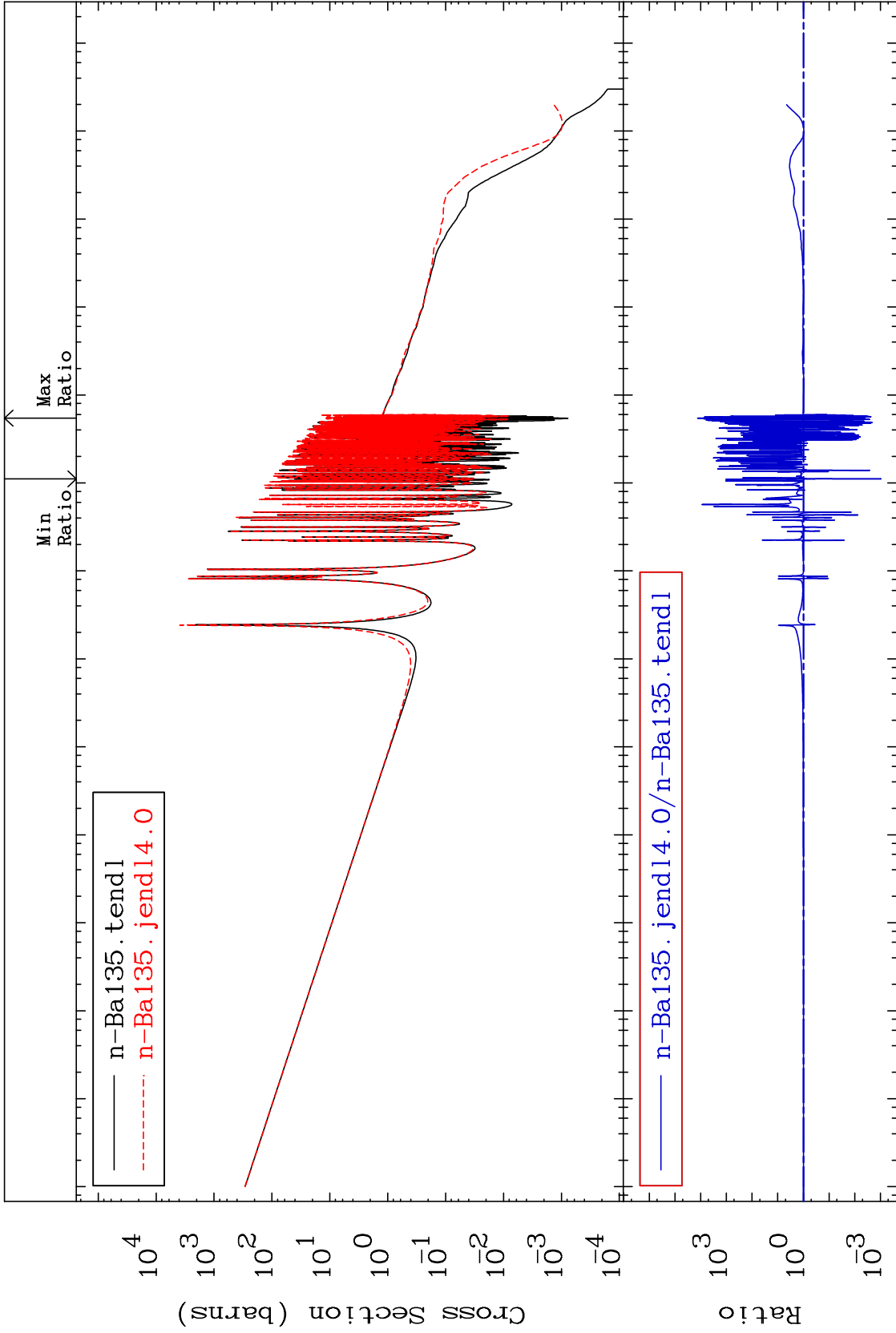
MAT 5640

56-Ba-135

-99.91 To 9999. %

(n, γ)

Cross Section



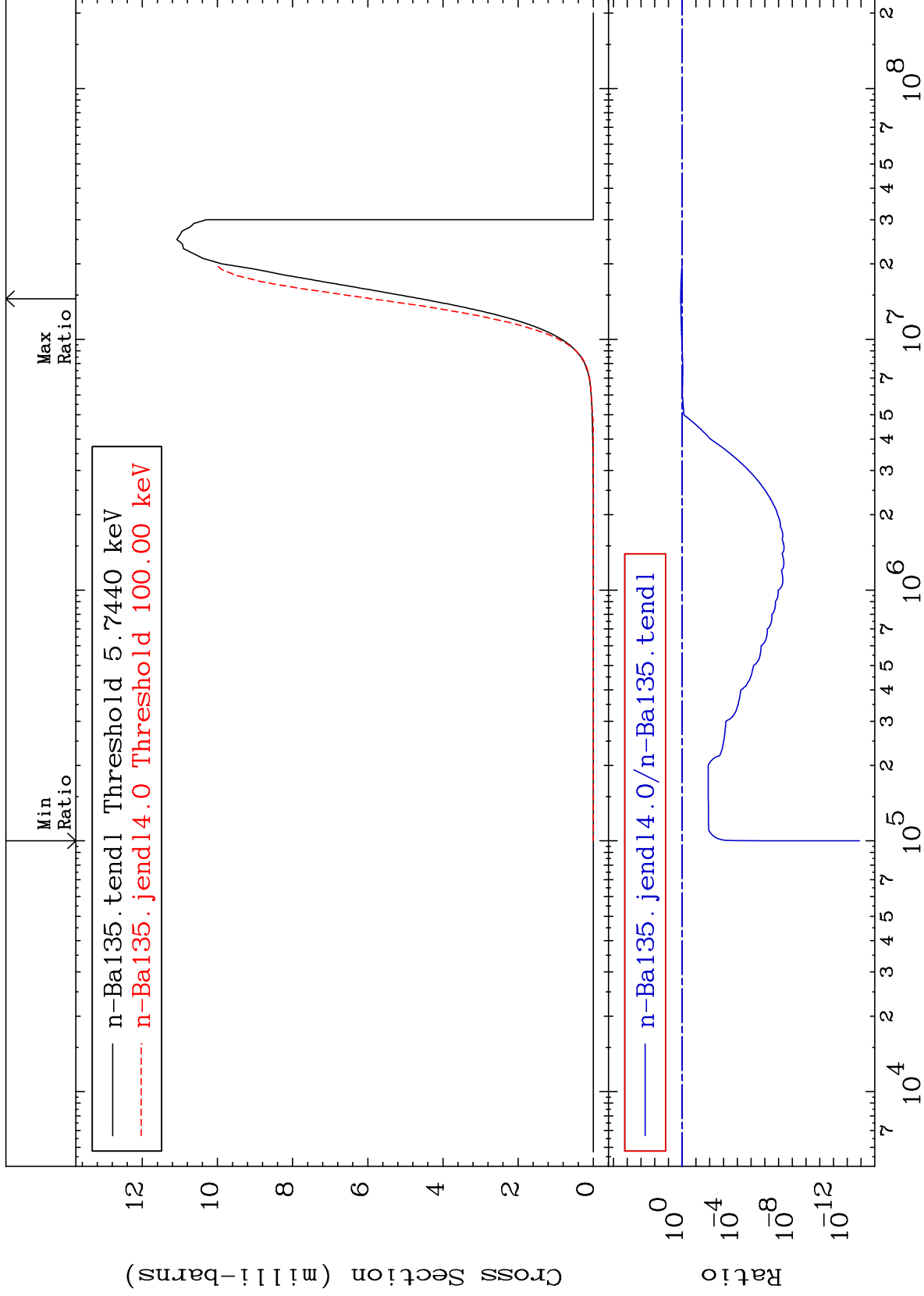
Incident Energy (eV)

56-Ba-135

17

MAT 5640

(n, p)
Cross Section
56-Ba-135
-100.0 To 28.38 %



18

Incident Energy (eV)

56-Ba-135

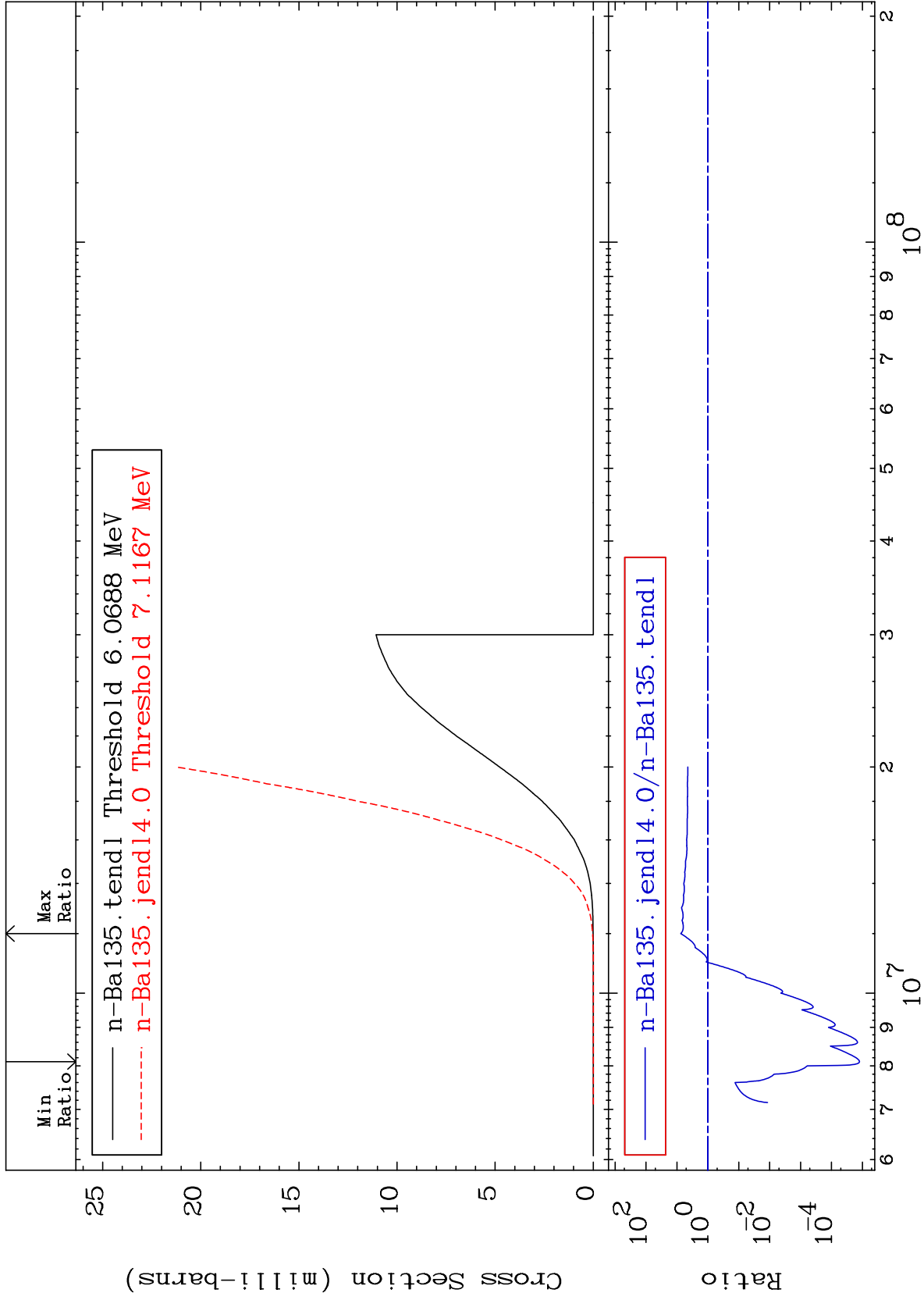
MAT 5640

(n, d)

56-Ba-135

Cross Section

-100.0 To 650.6 %



19

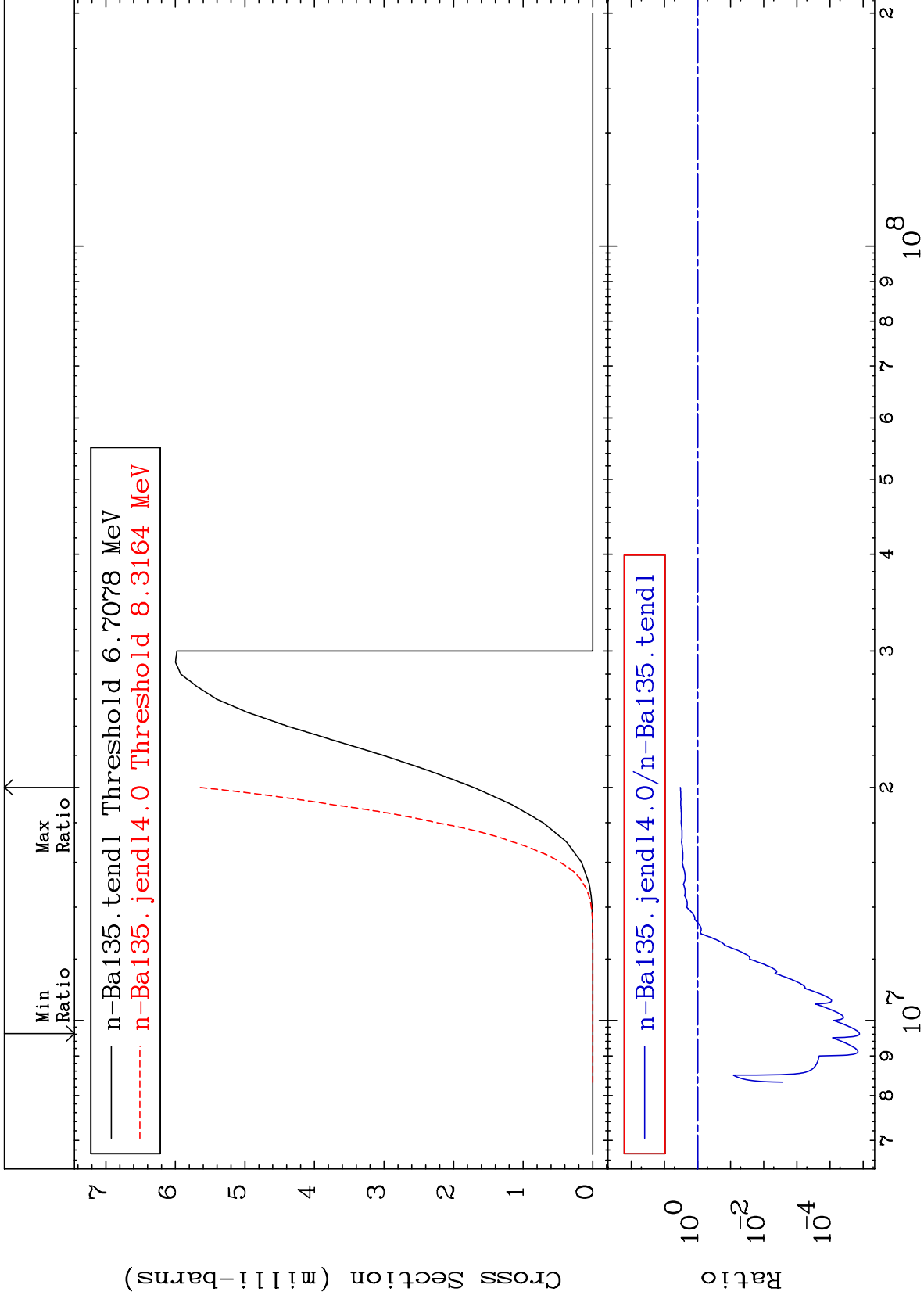
Incident Energy (eV)

56-Ba-135

MAT 5640

(n, t)
Cross Section

56-Ba-135
-100.0 To 230.4 %



20

56-Ba-135

56-Ba-135

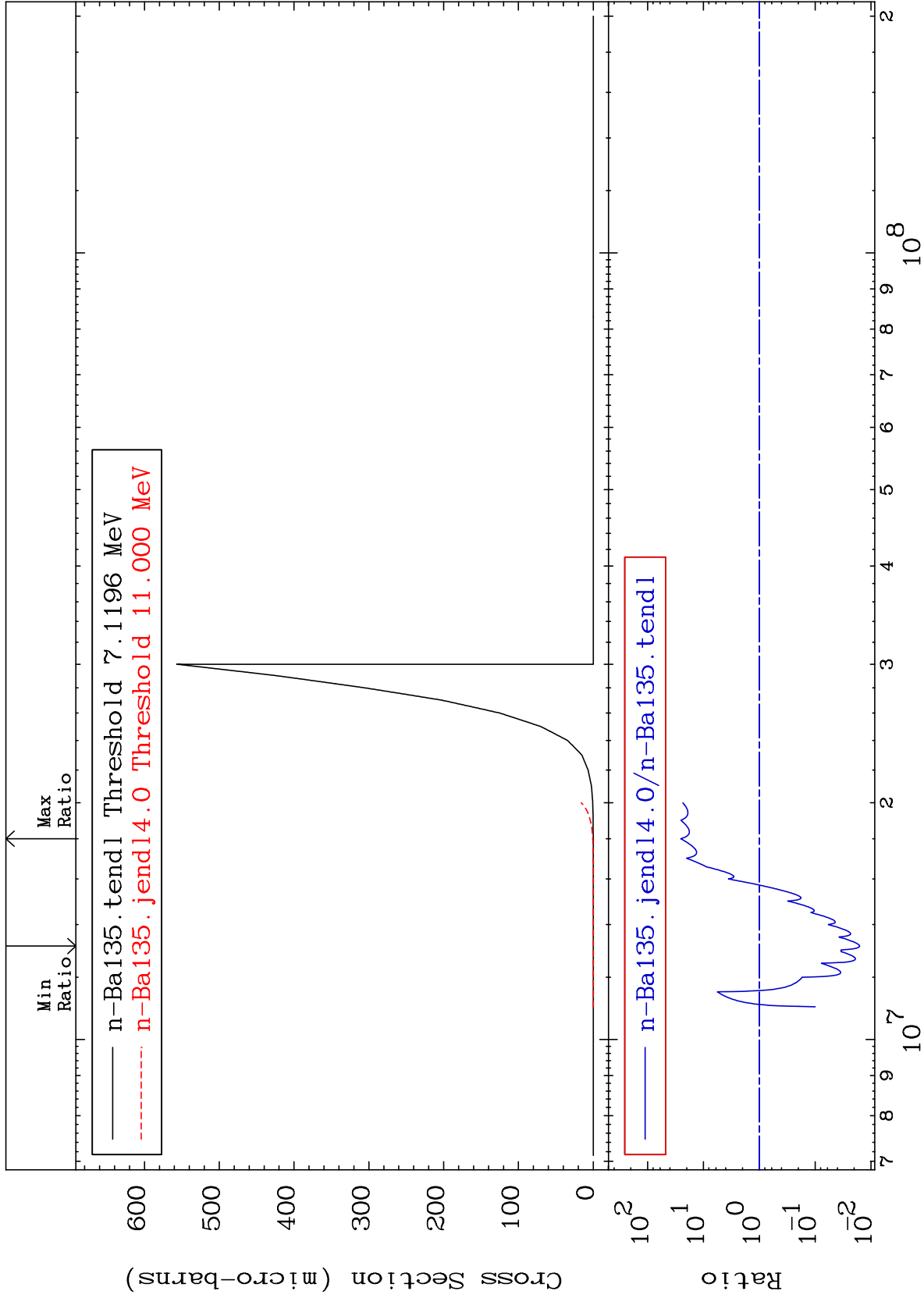
MAT 5640

(n, He-3)

56-Ba-135

Cross Section

-98.39 To 2453. %



21

Incident Energy (eV)

56-Ba-135

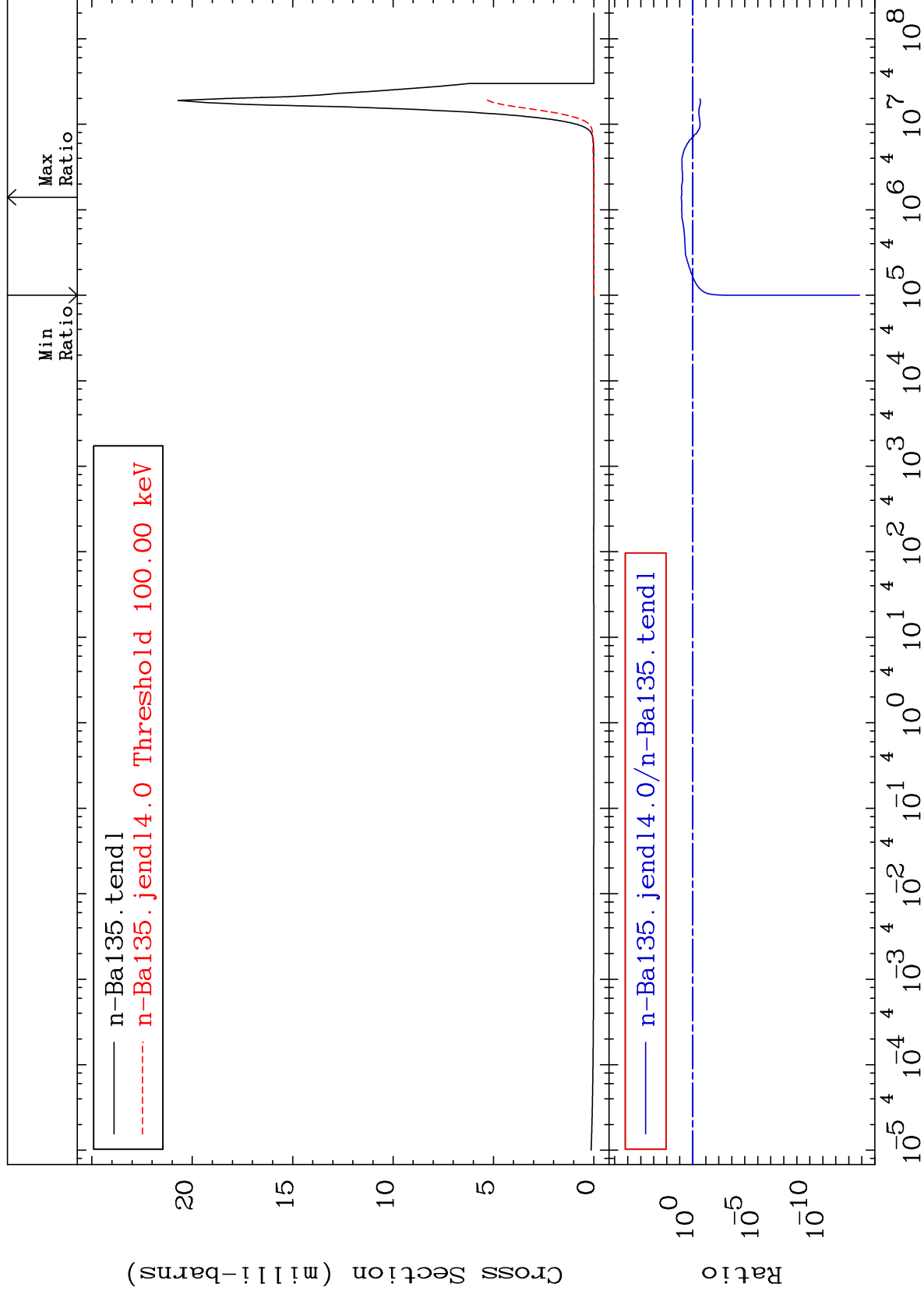
MAT 5640

(n, α)

56-Ba-135

Cross Section

-100.0 To 676.9 %



22

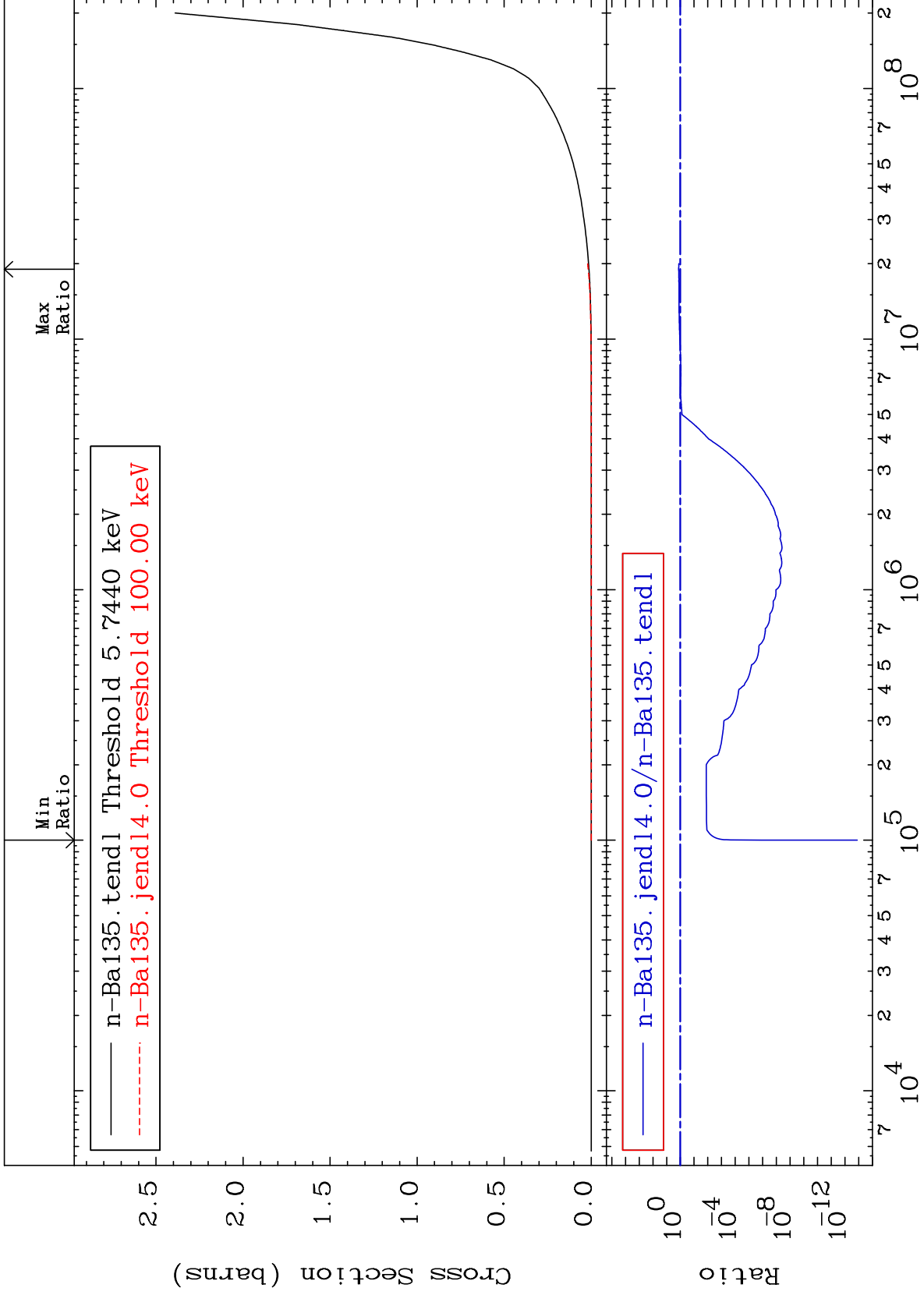
Incident Energy (eV)

56-Ba-135

MAT 5640

Hydrogen Production
Cross Section

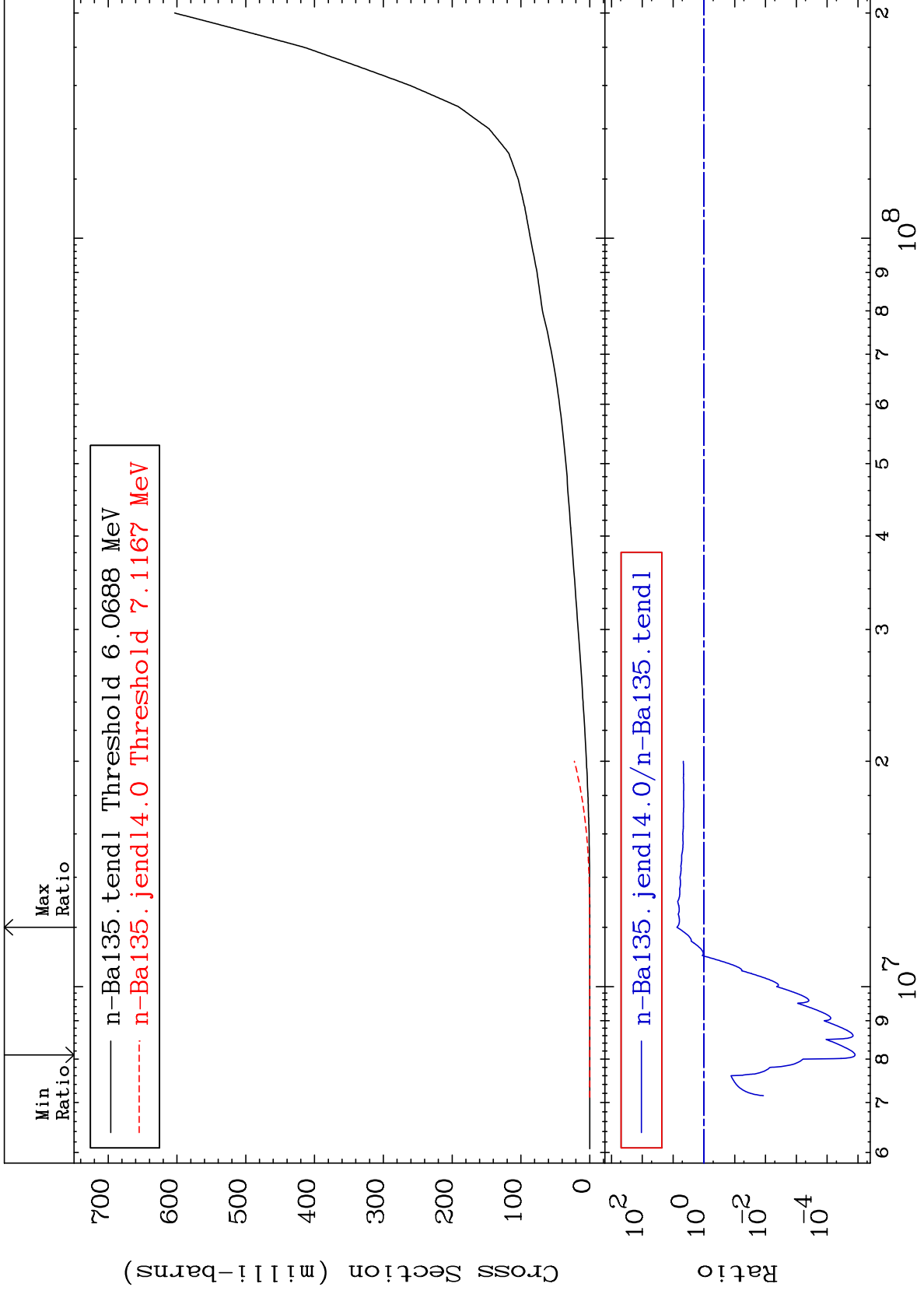
56-Ba-135
-100.0 To 33.39 %



MAT 5640

Deuterium Production
Cross Section

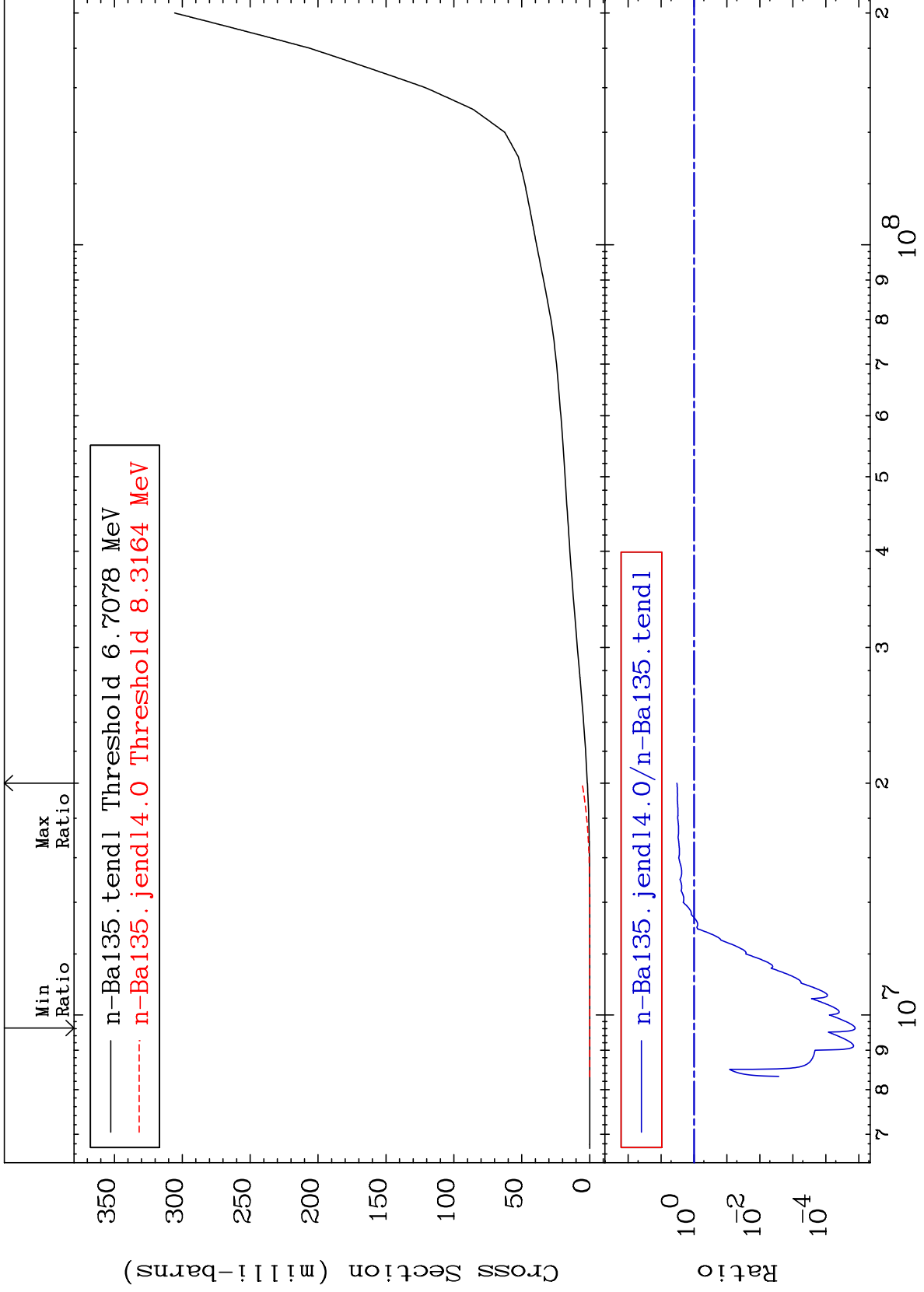
56-Ba-135
-100.0 To 650.6 %



MAT 5640

Tritium Production
Cross Section

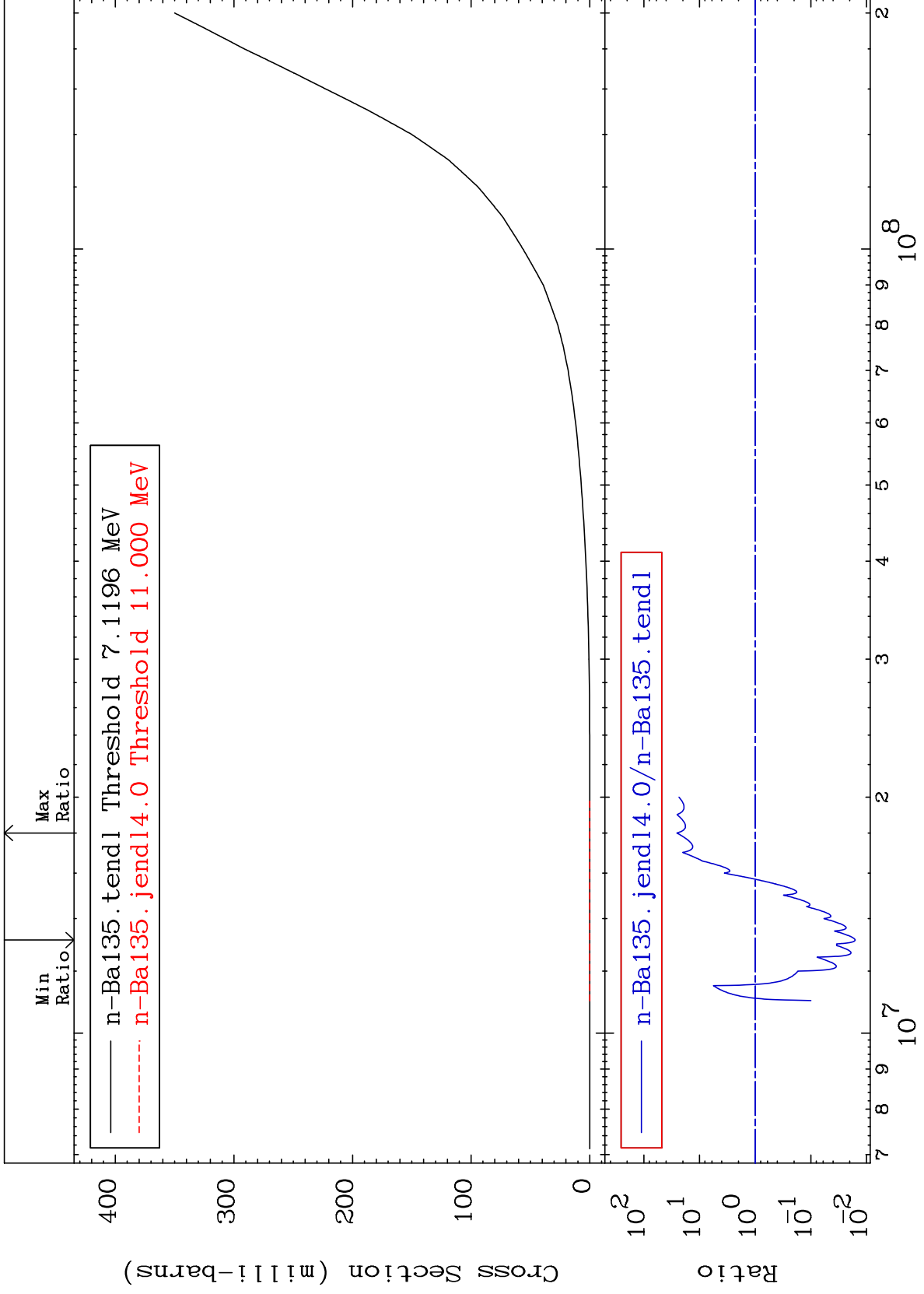
56-Ba-135
-100.0 To 230.4 %



MAT 5640

He-3 Production
Cross Section

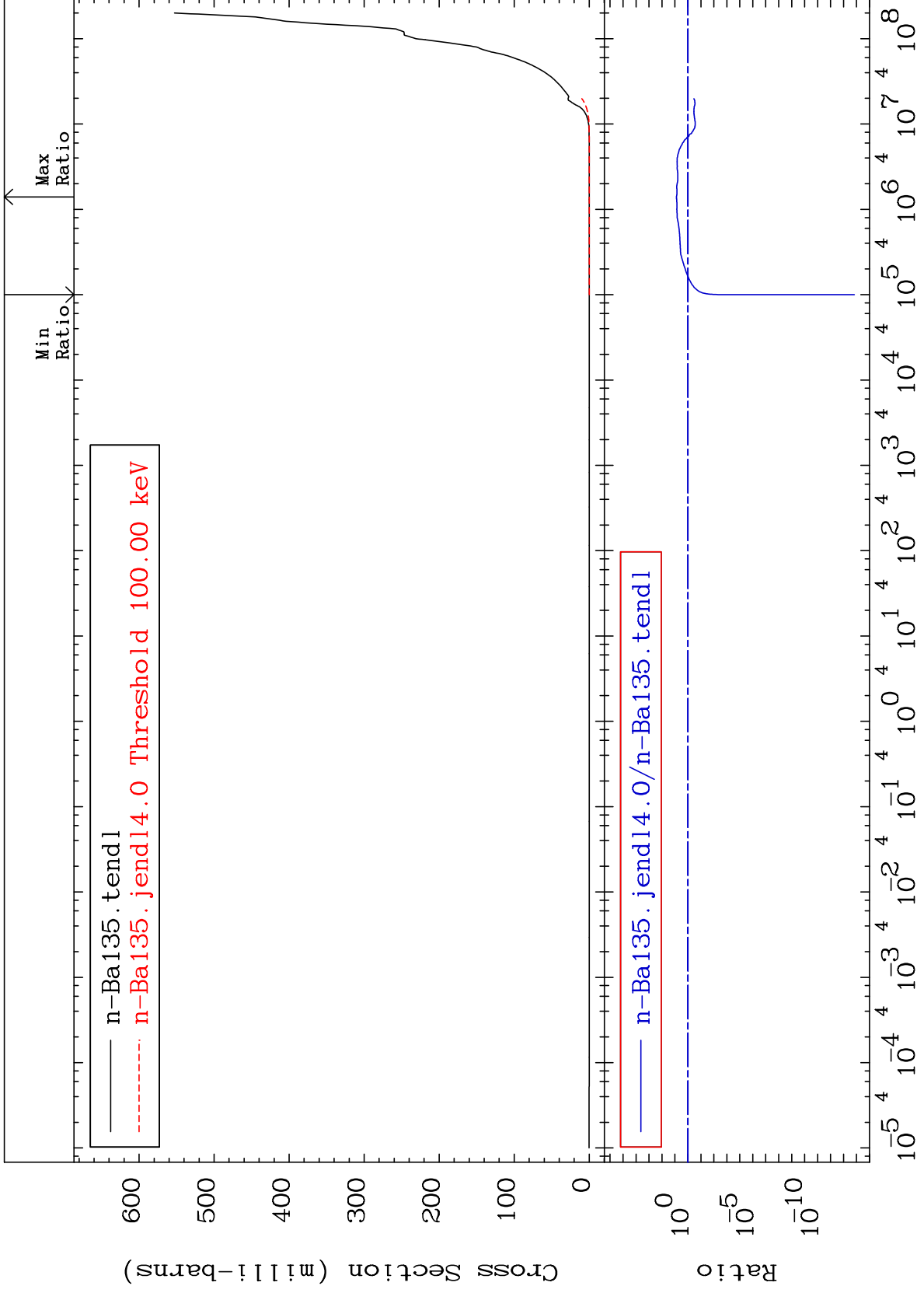
56-Ba-135
-98.39 To 2453. %

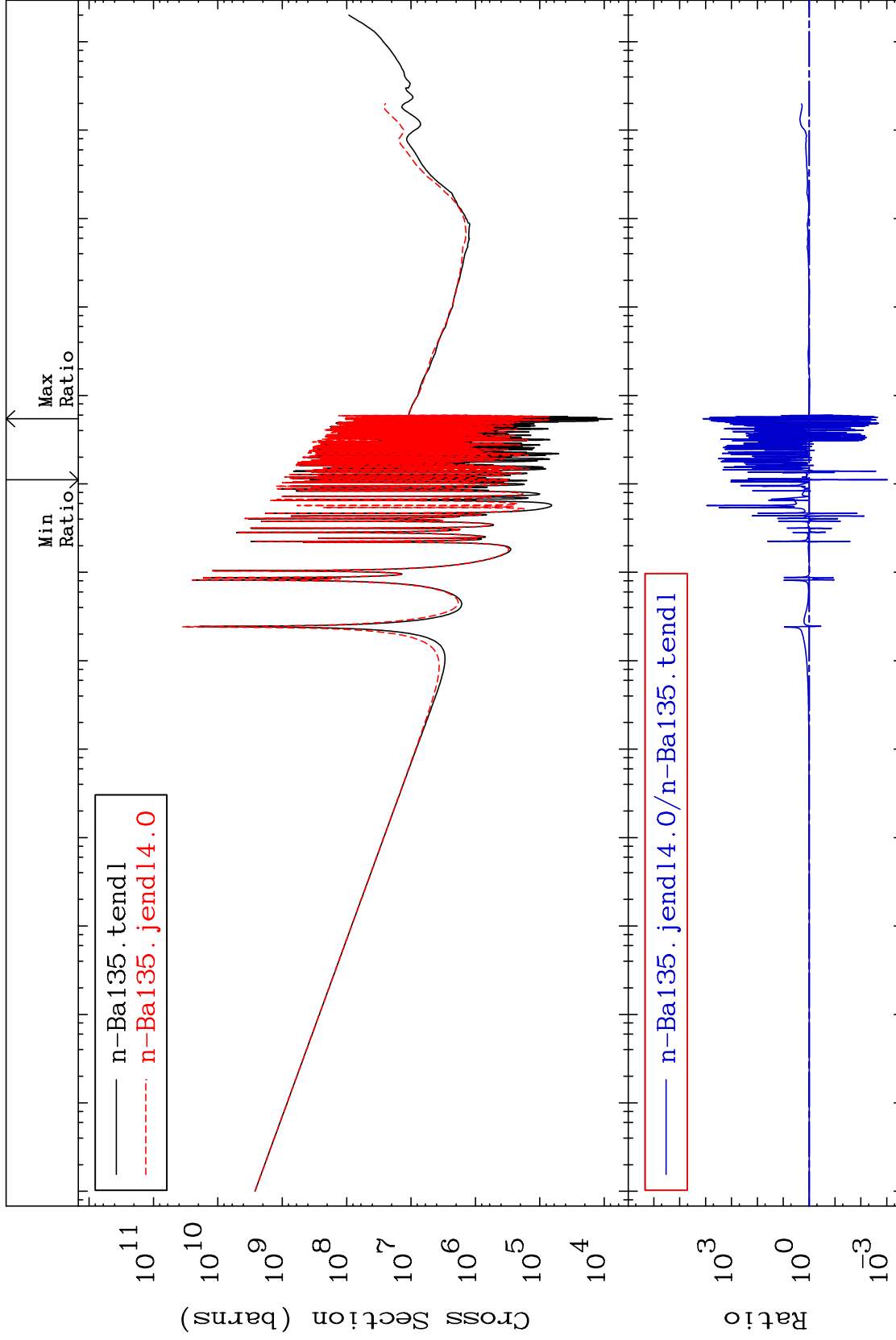


MAT 5640

He-4 Production
Cross Section

56-Ba-135
-100.0 To 676.9 %

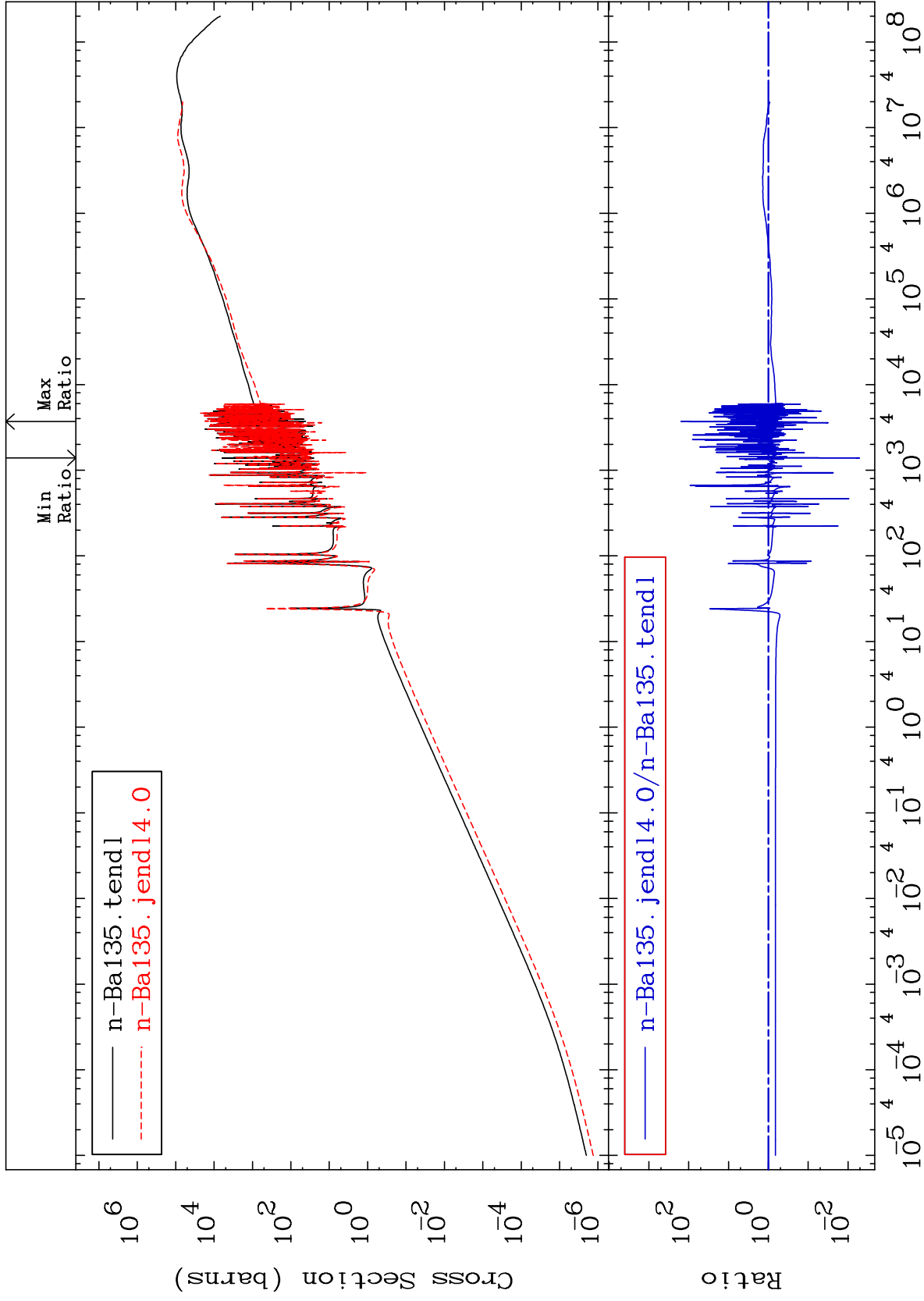


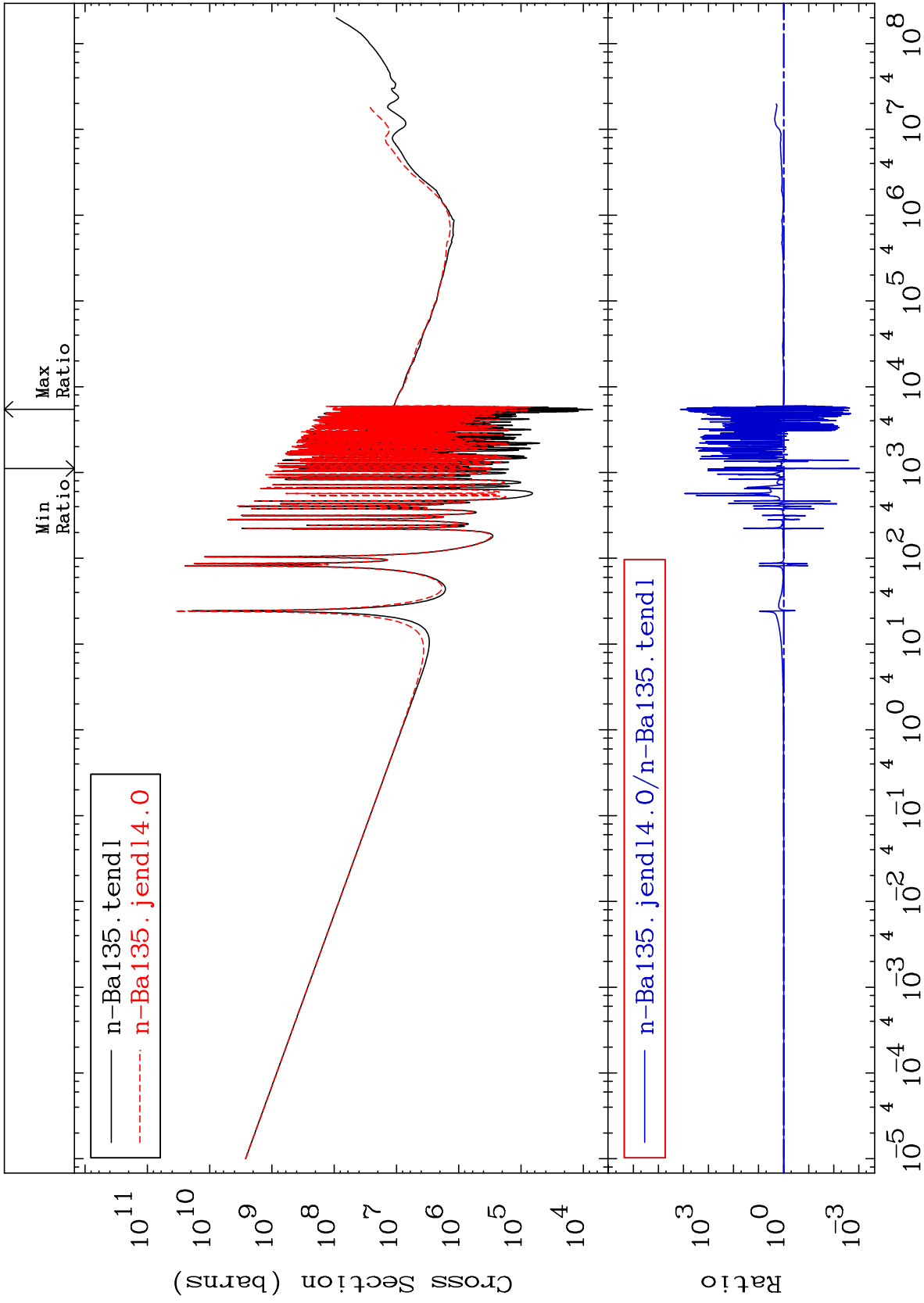


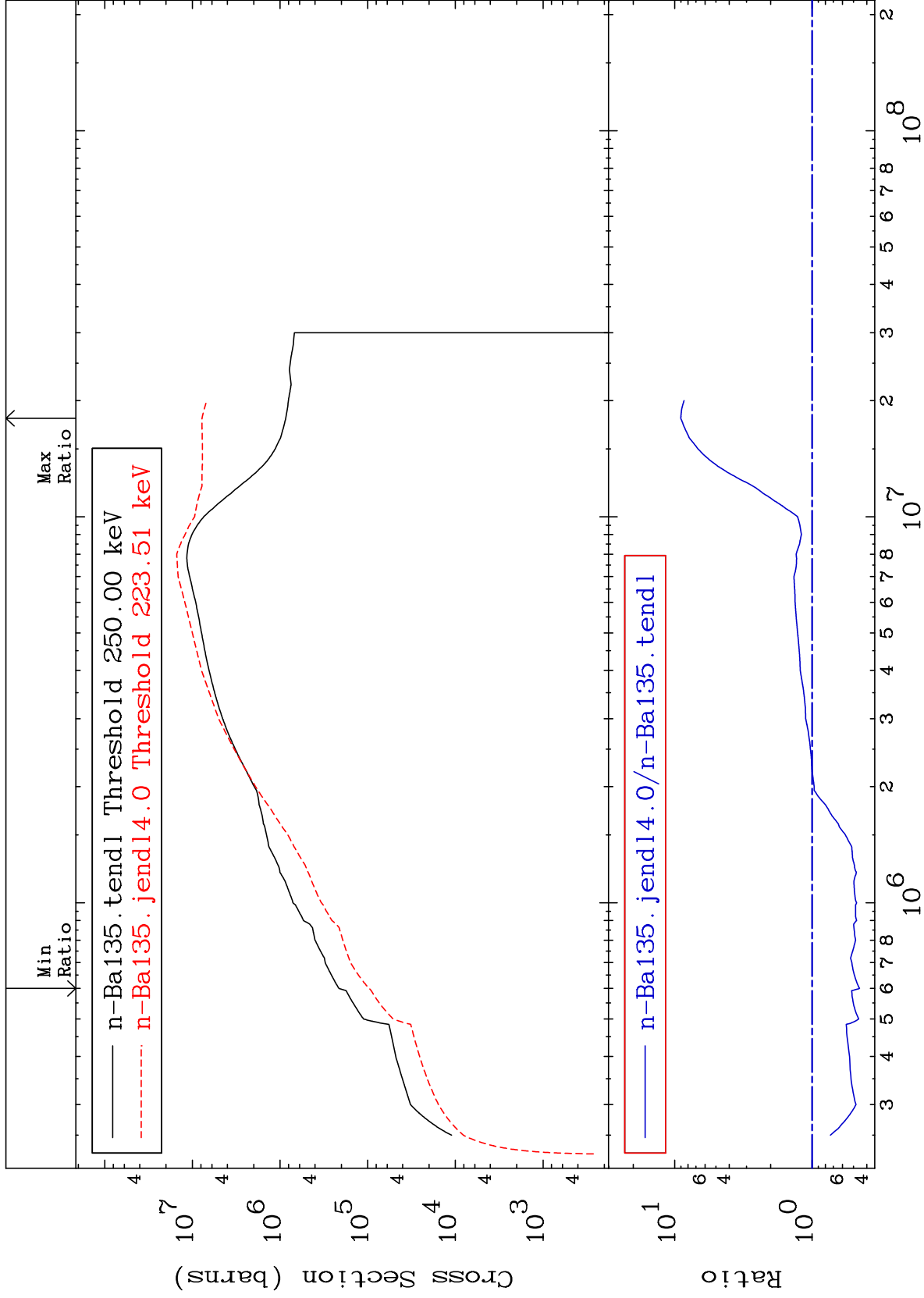
MAT 5640

Kerma elastic
Cross Section

56-Ba-135
-99.49 To 9999. %



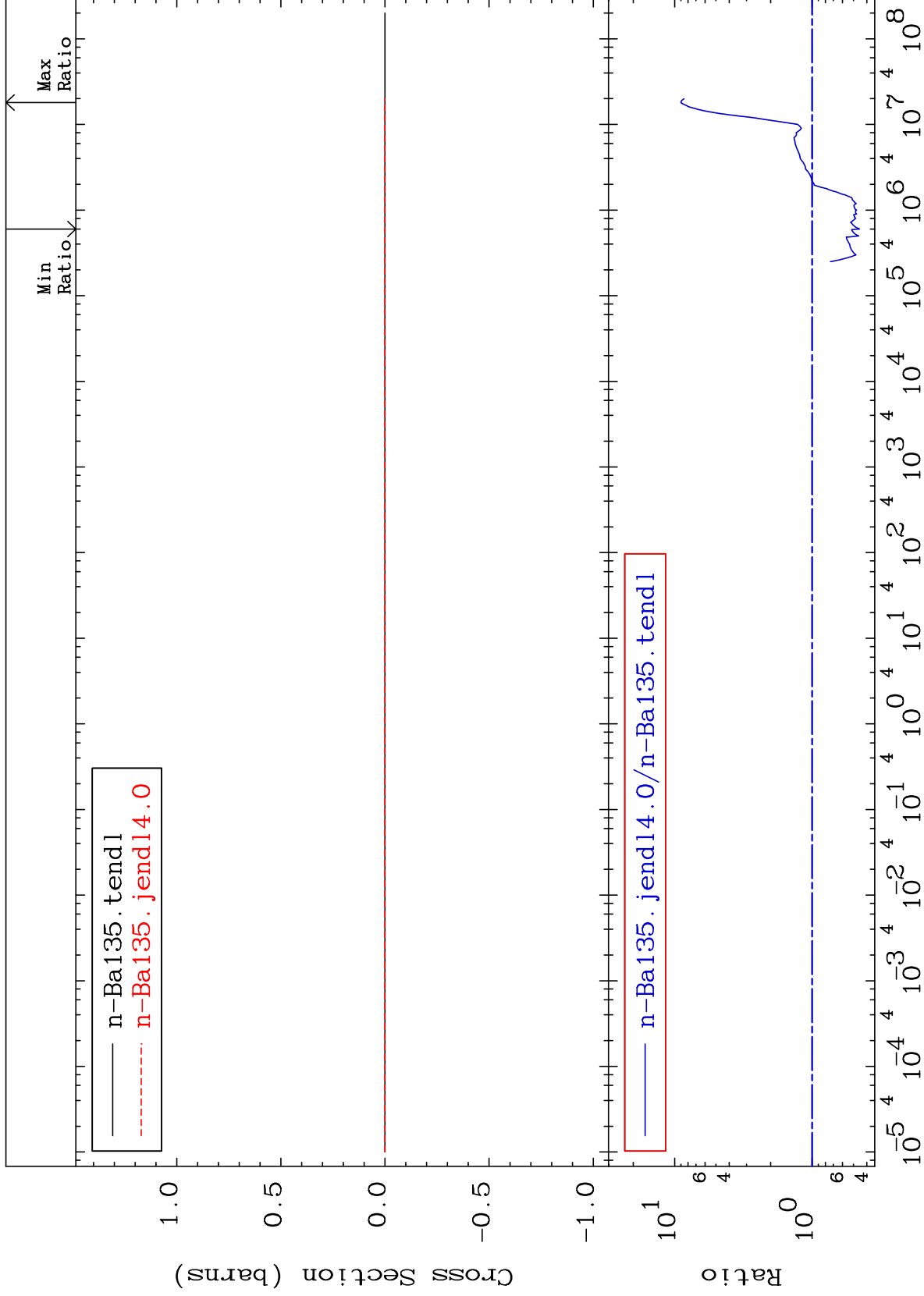




MAT 5640

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

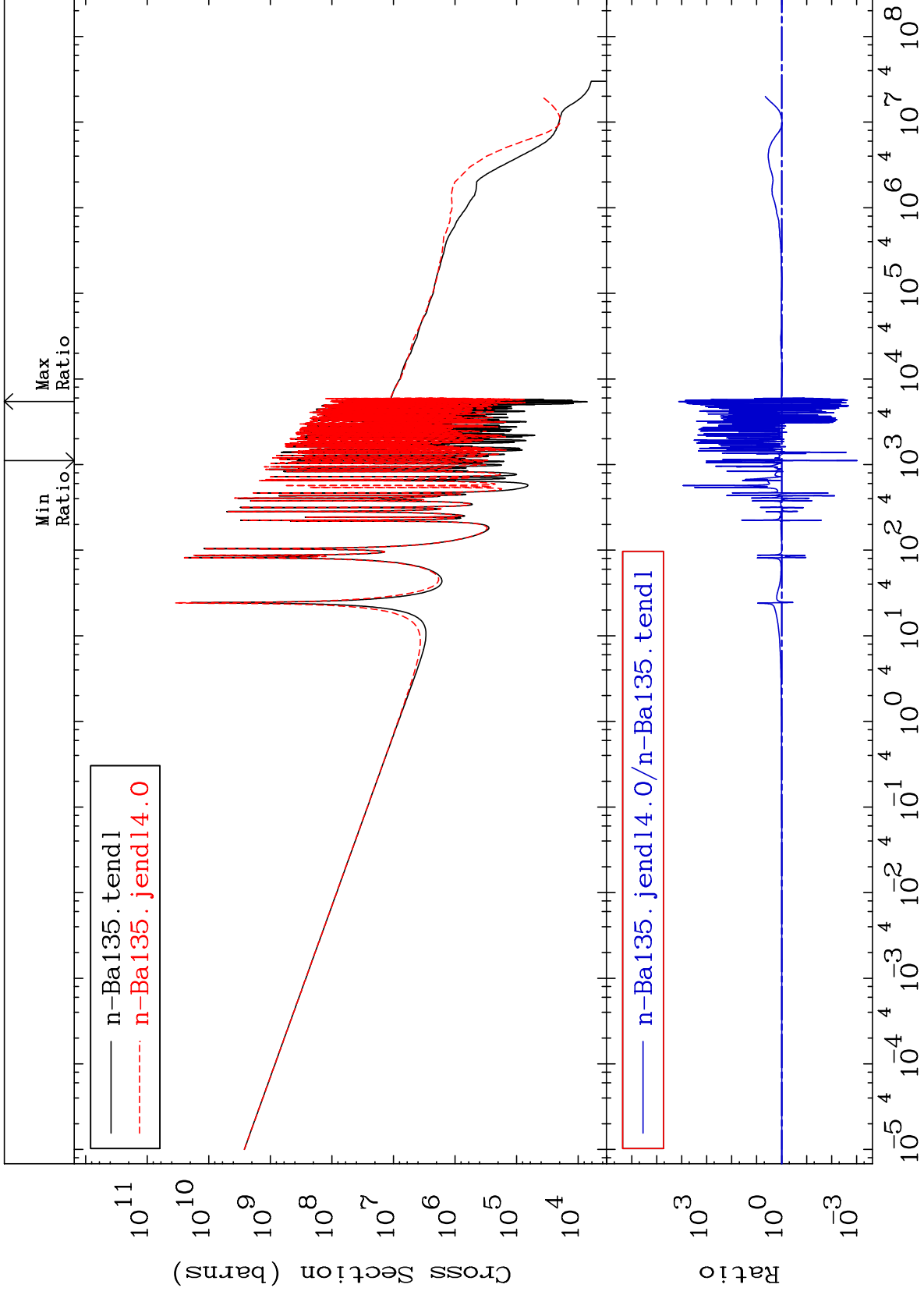
56-Ba-135
-54.85 To 801.7 %

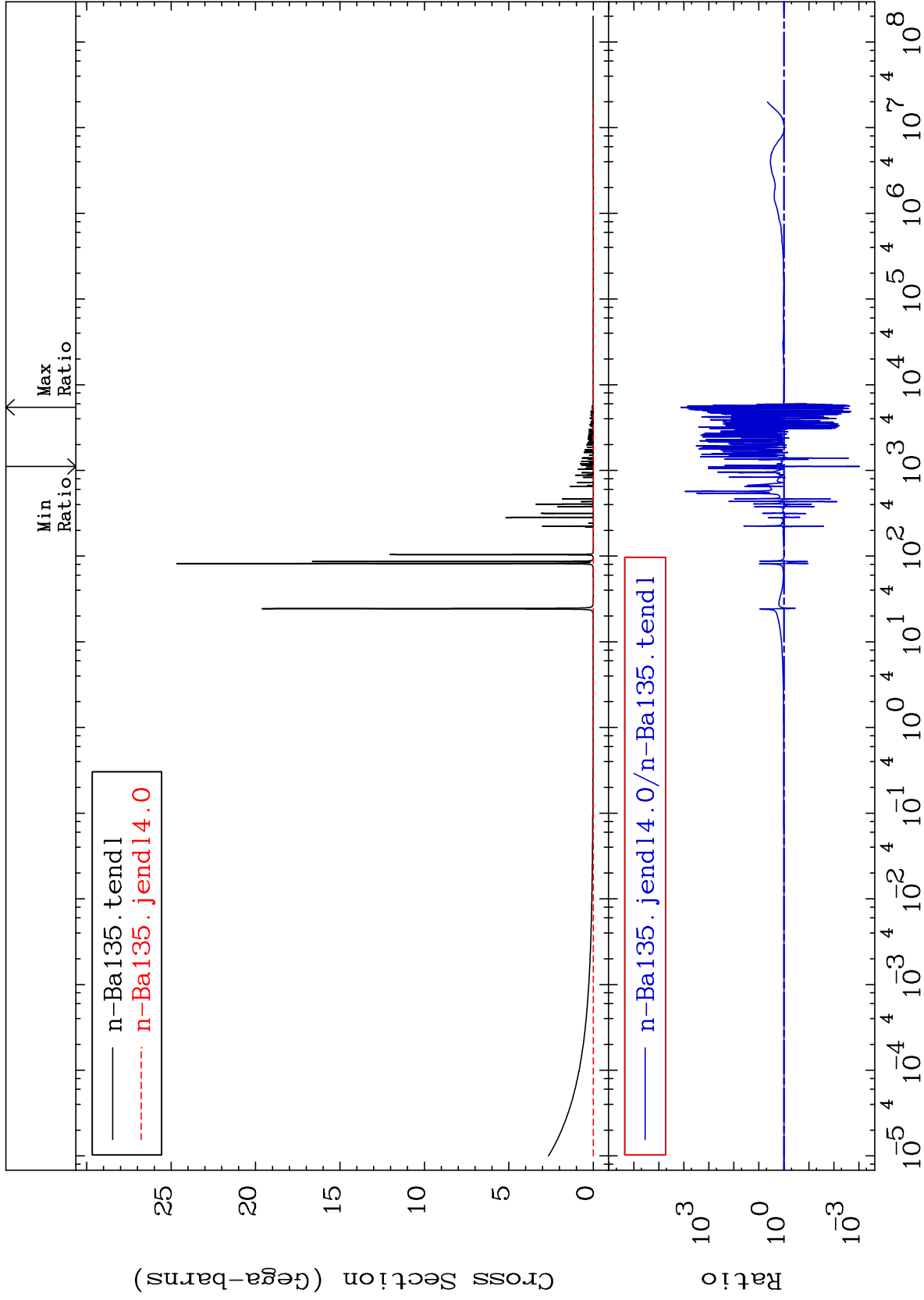


MAT 5640

Kerma capture (mt102)
Cross Section

56-Ba-135
-99.91 To 9999. %





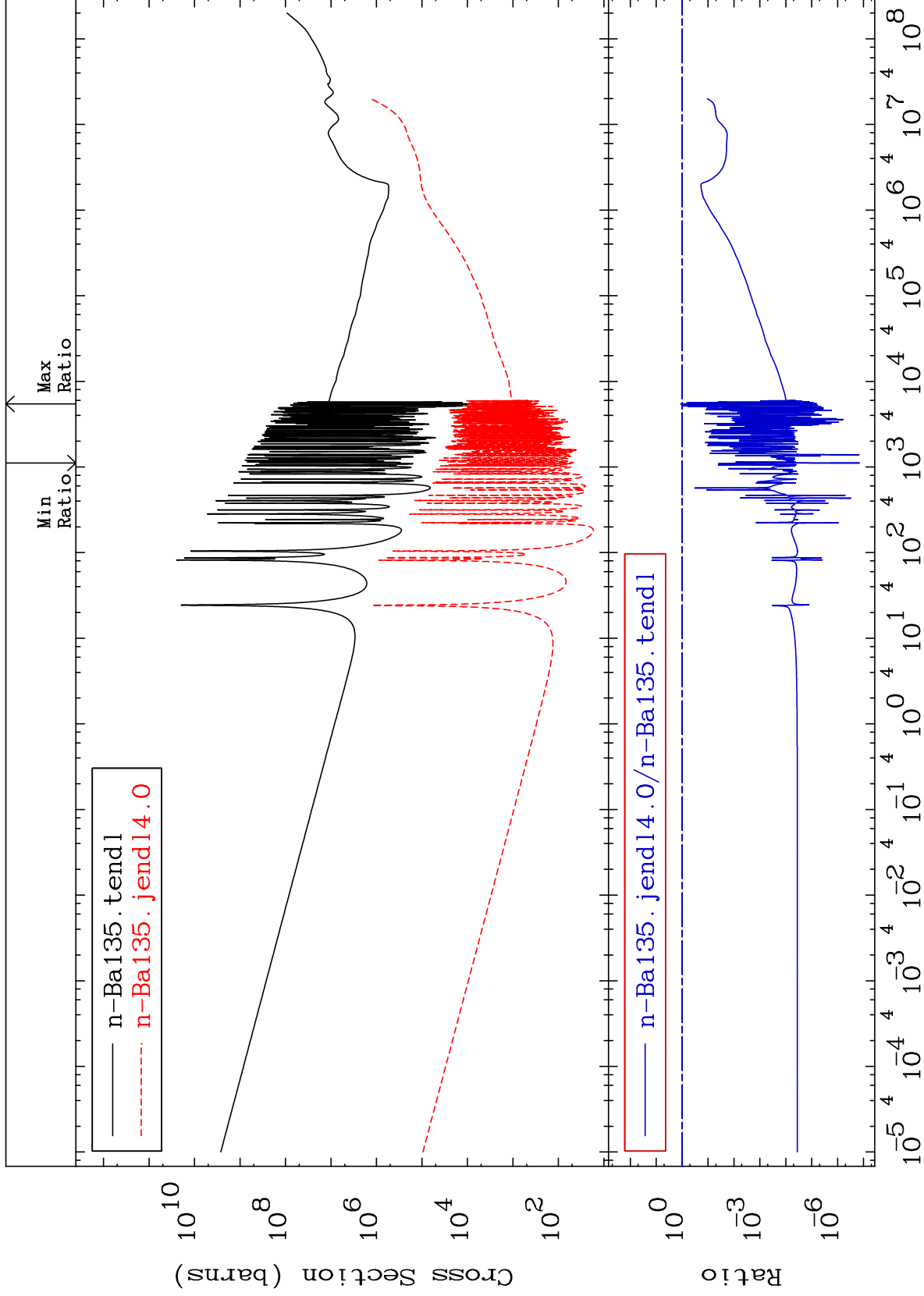
MAT 5640

Total kinematic kerma (high limit)

56-Ba-135

Cross Section

-100.0 To 13.25 %



35

Incident Energy (eV)

56-Ba-135

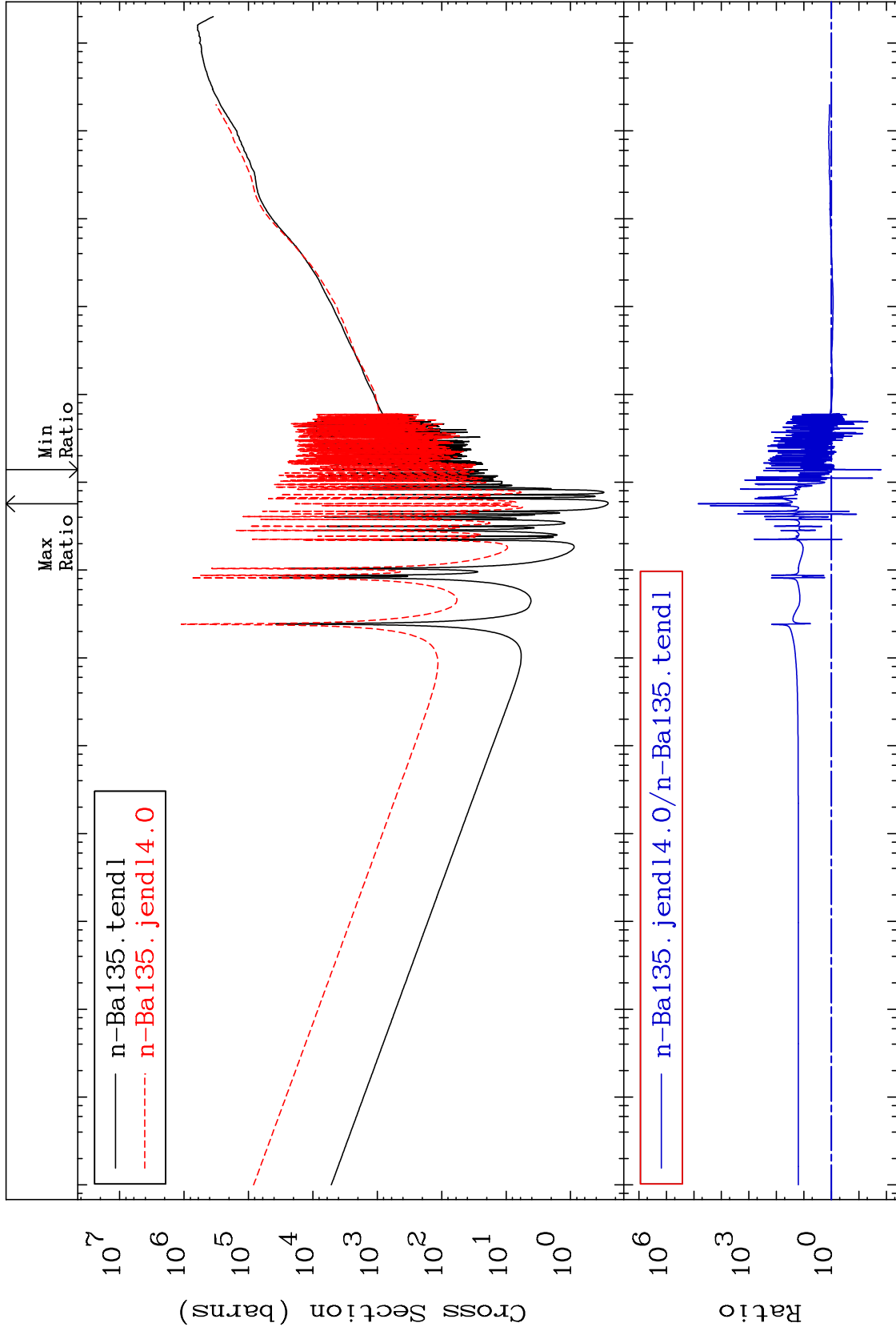
MAT 5640

Dpa total (eV-barns)

56-Ba-135

-98.44 To 9999. %

Cross Section



36

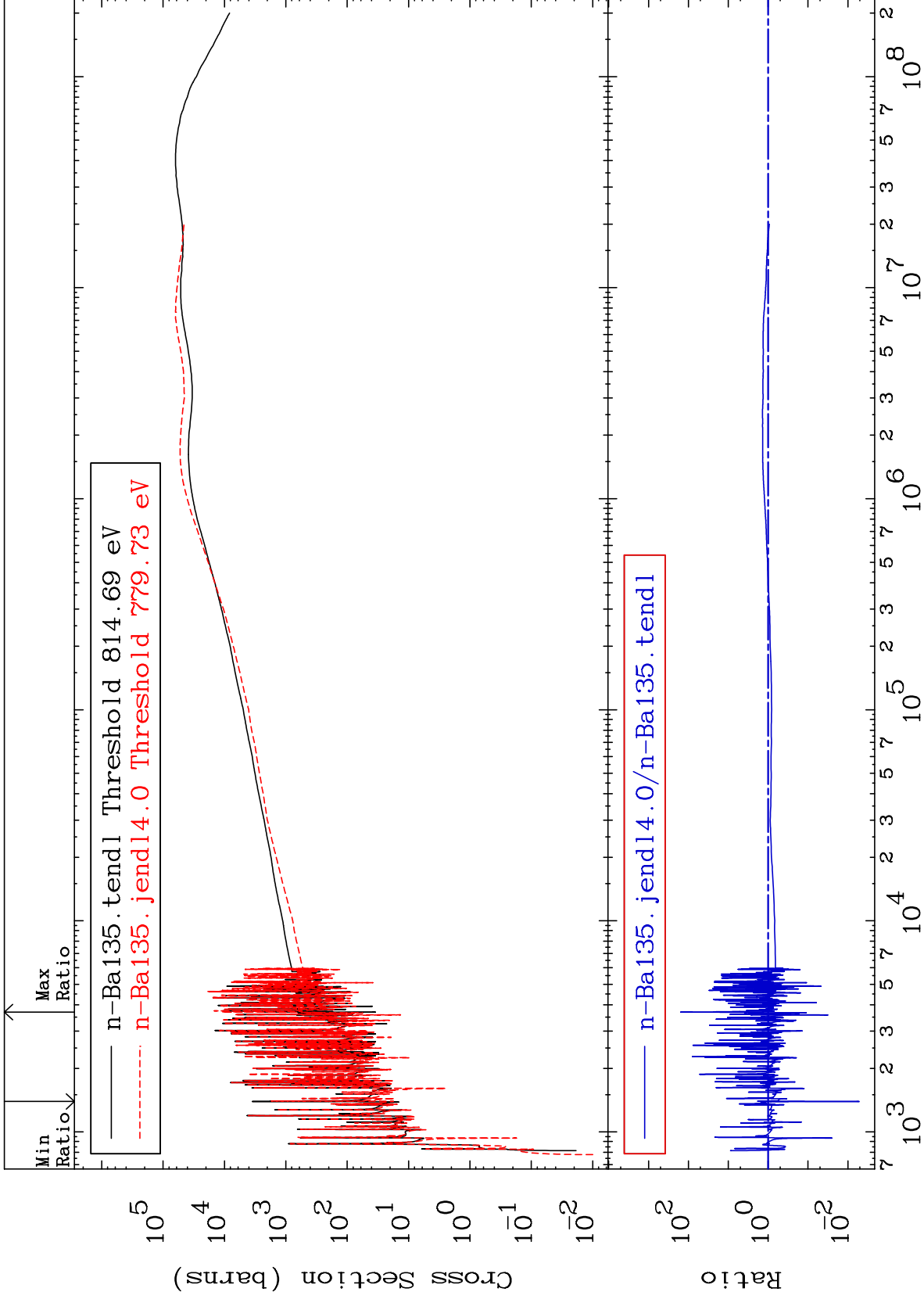
Incident Energy (eV)

56-Ba-135

MAT 5640

Dpa elastic (mt2)
Cross Section

56-Ba-135
-99.49 To 9999. %



37

Incident Energy (eV)

56-Ba-135

MAT 5640

Dpa inelastic (mt51-91)
Cross Section

56-Ba-135
-52.11 To 359.5 %

