

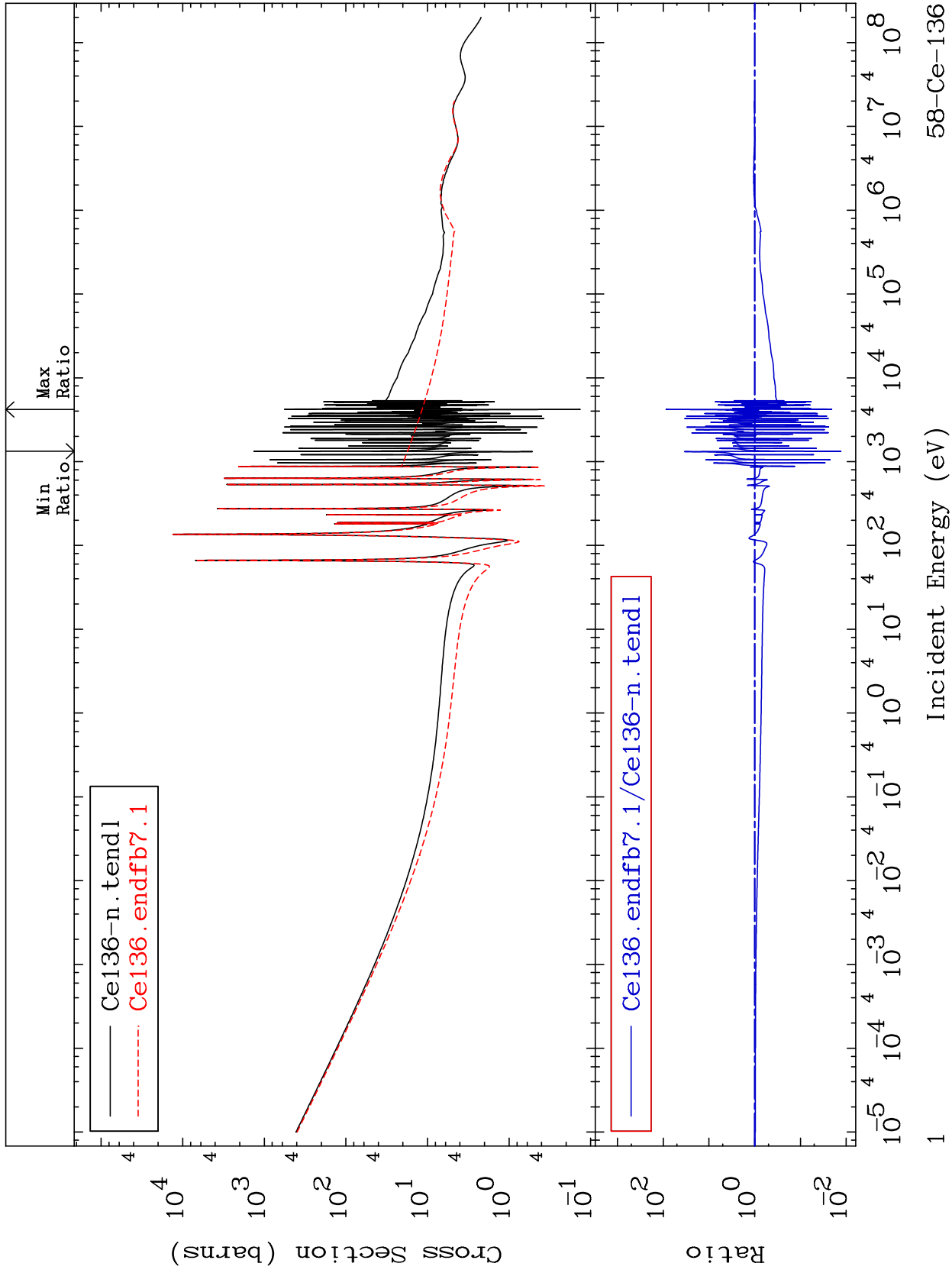
MAT 5825

Total

58-Ce-136

Cross Section

-98.69 To 8604. %



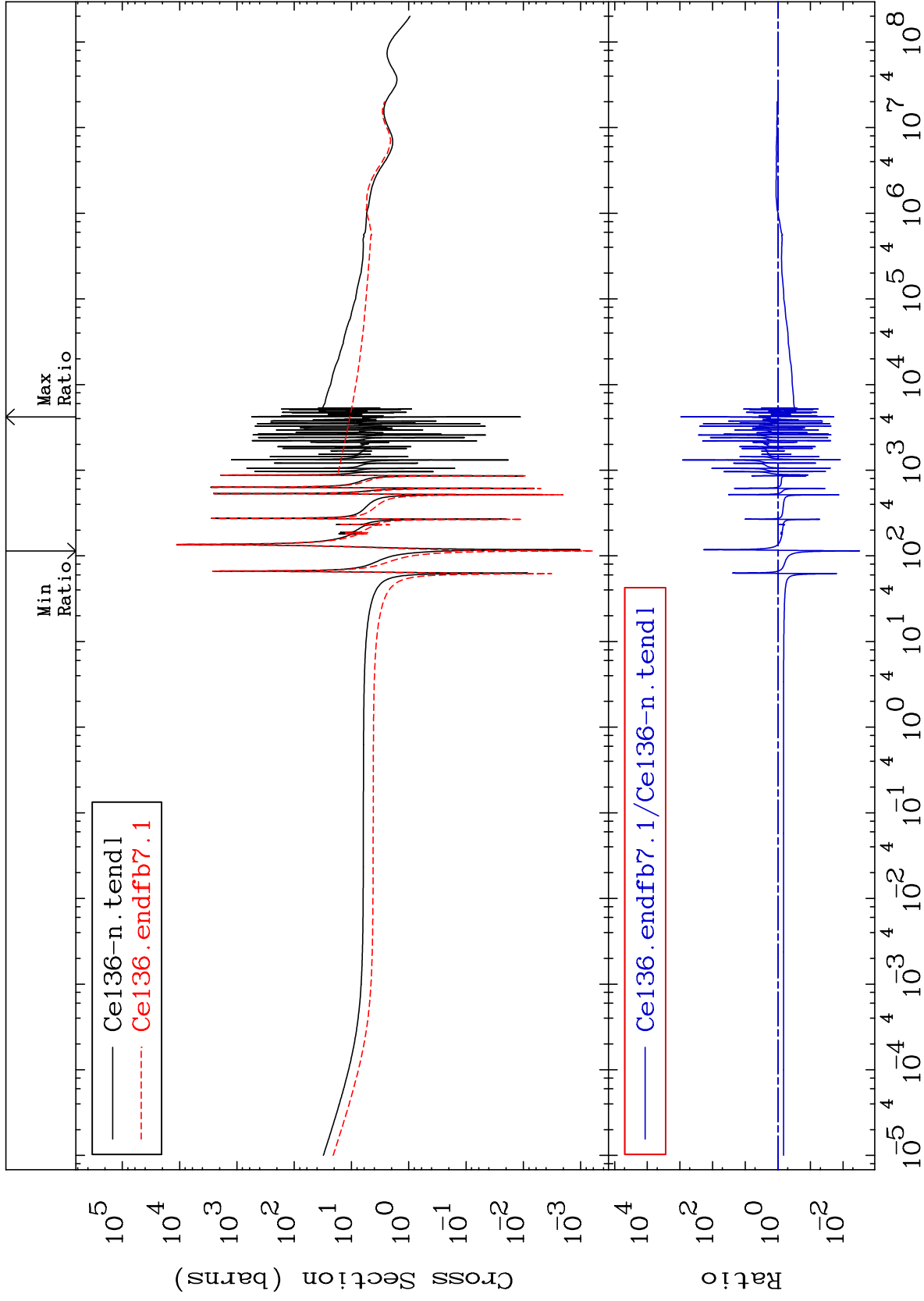
Incident Energy (eV)

58-Ce-136

MAT 5825

Elastic
Cross Section

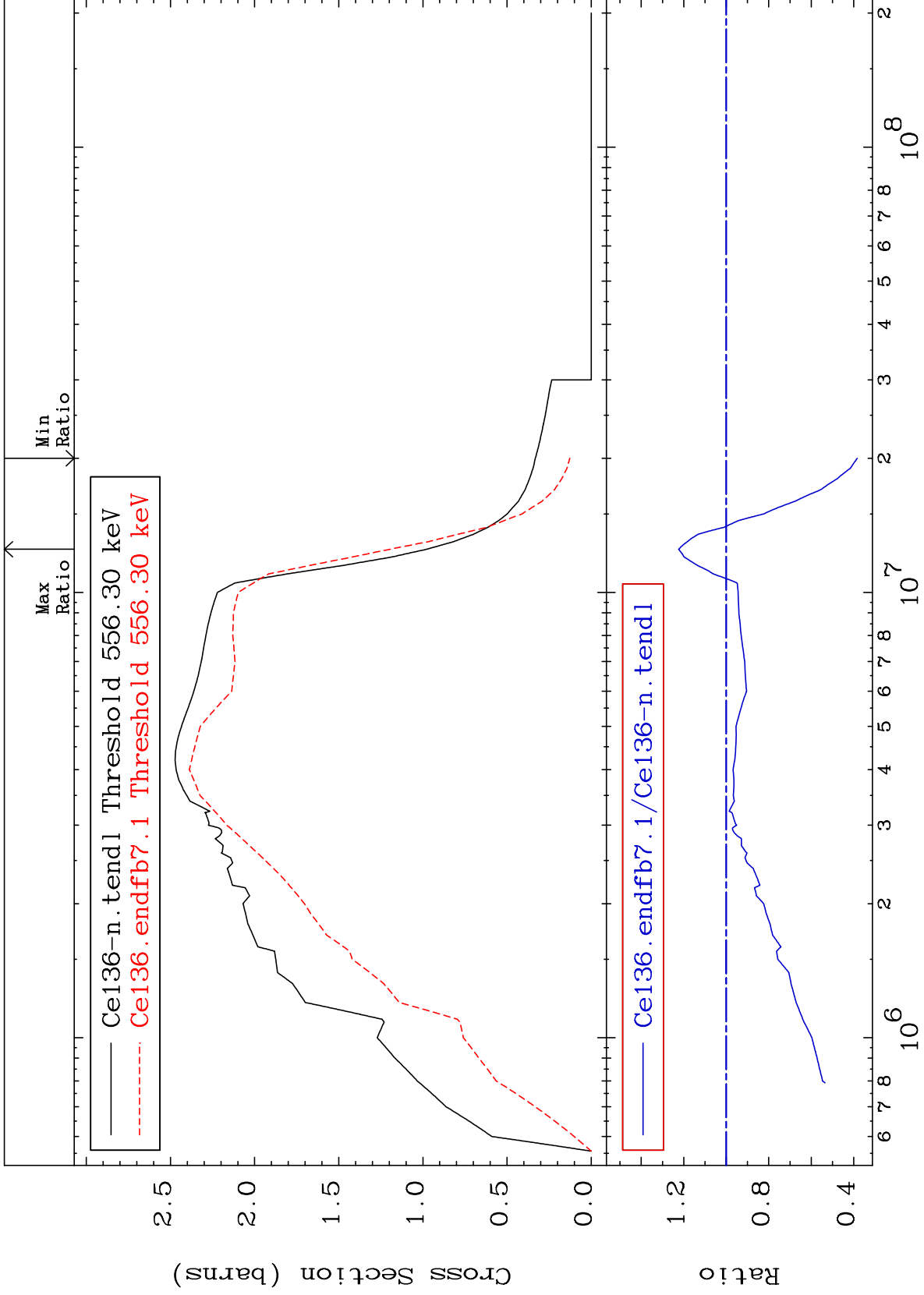
58-Ce-136
-99.69 To 9999. %



MAT 5825

Inelastic
Cross Section

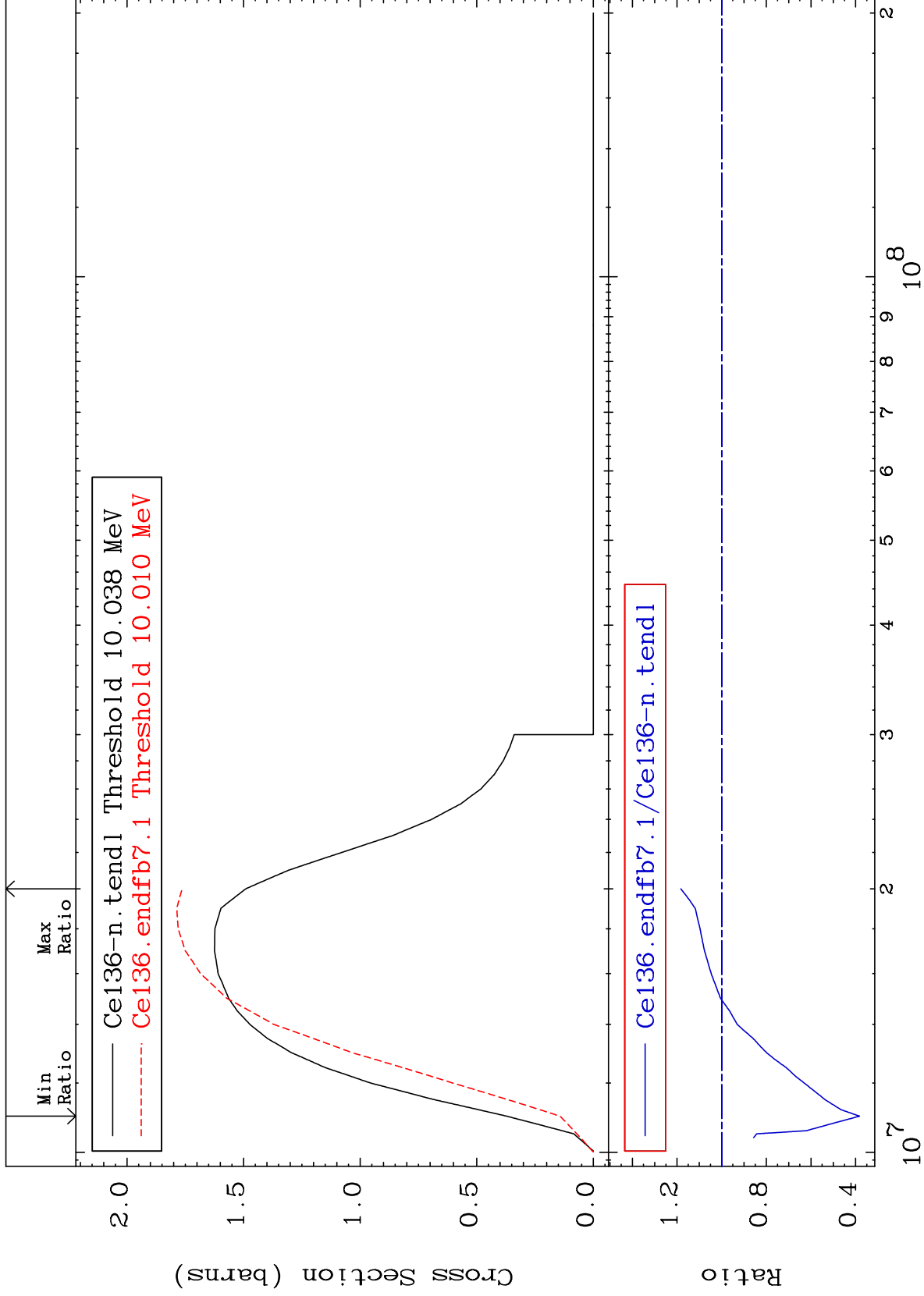
58-Ce-136
-61.65 To 22.40 %



MAT 5825

(n,2n)
Cross Section

58-Ce-136
-61.74 To 18.32 %



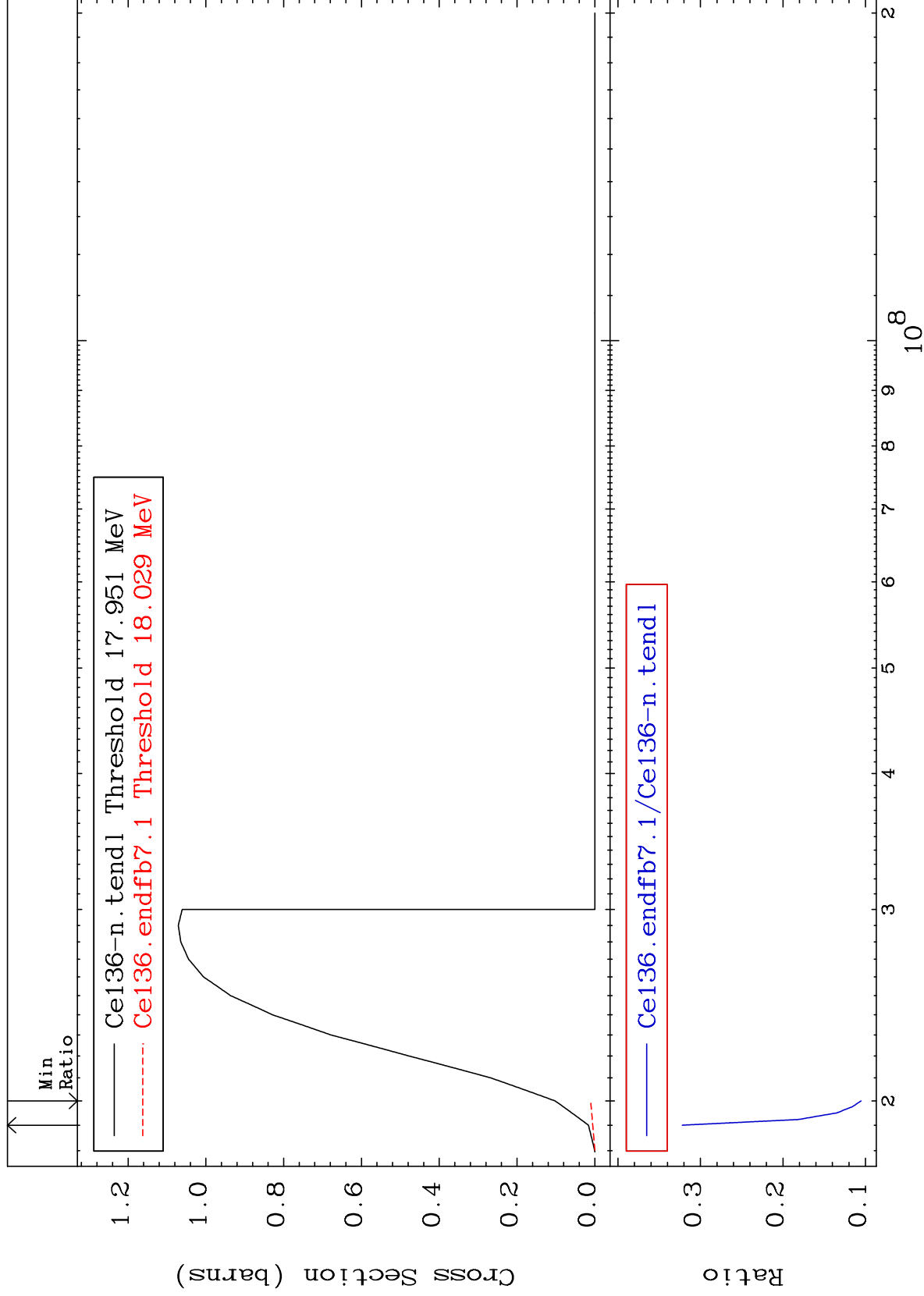
Incident Energy (eV)

58-Ce-136

MAT 5825

(n,3n)
Cross Section

58-Ce-136
-89.48 To -67.80%



5

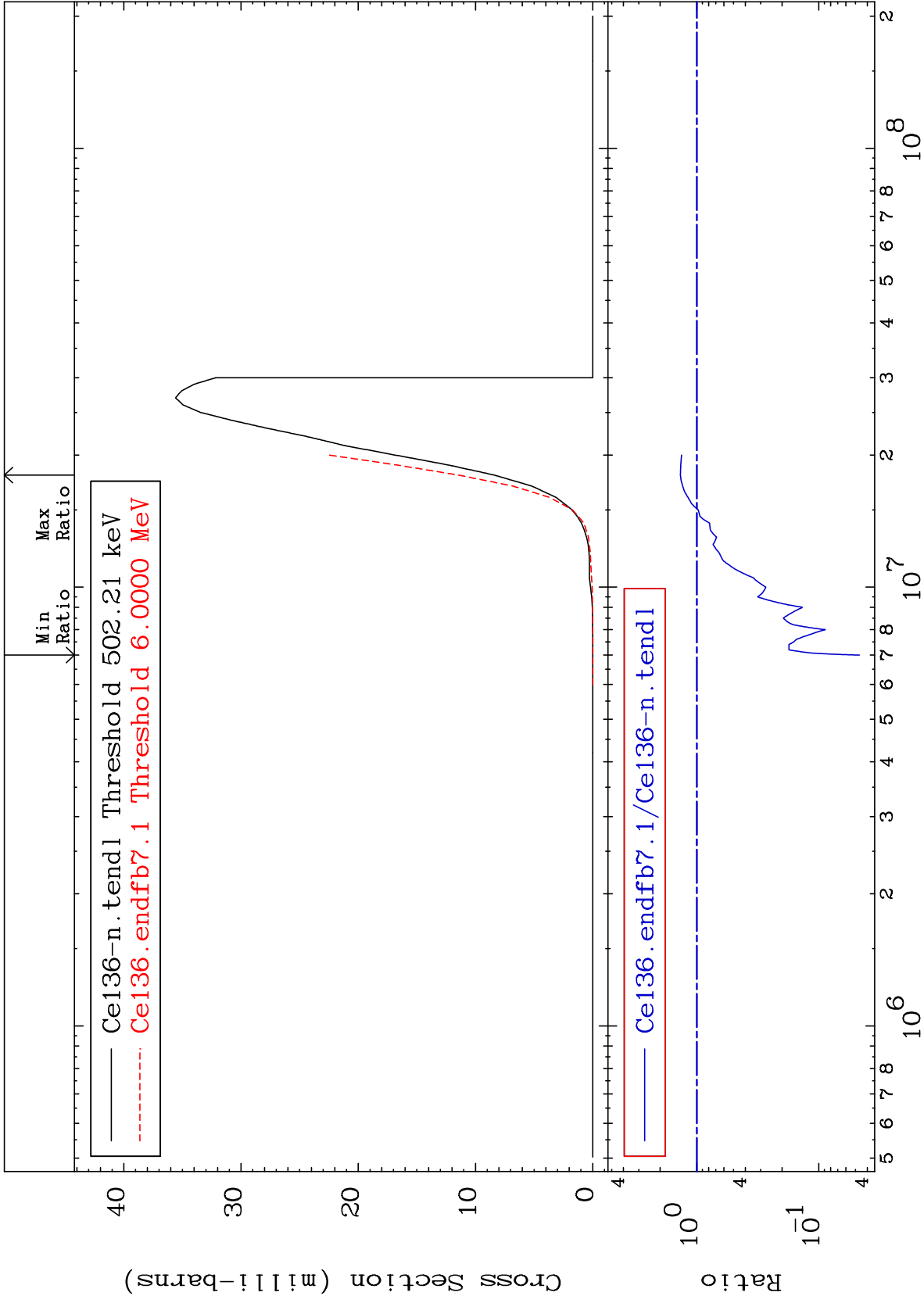
Incident Energy (eV)

58-Ce-136

MAT 5825

58-Ce-136
-95.36 To 36.64 %

(n, n') α
Cross Section



6

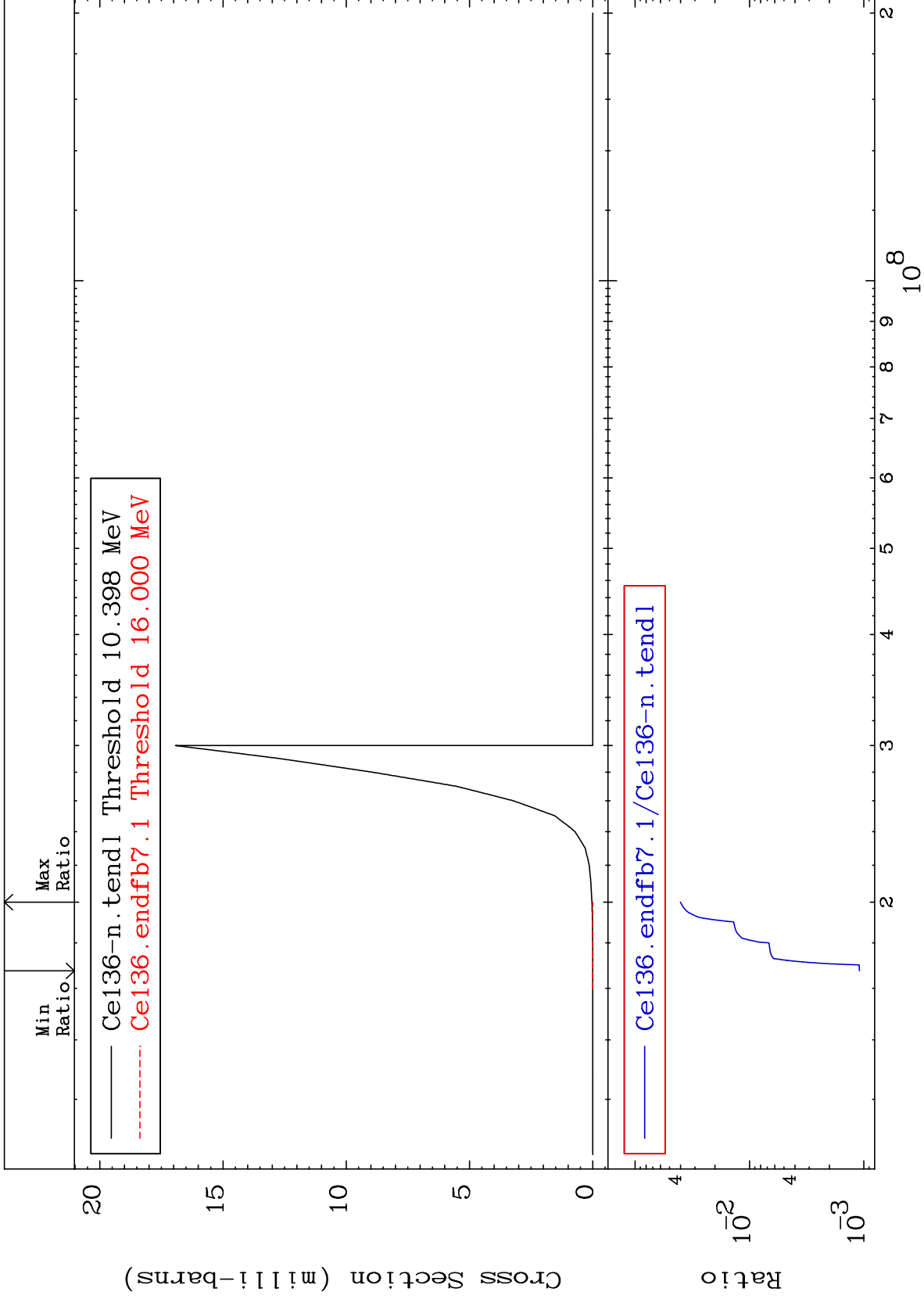
Incident Energy (eV)

58-Ce-136

MAT 5825

(n,2n) α
Cross Section

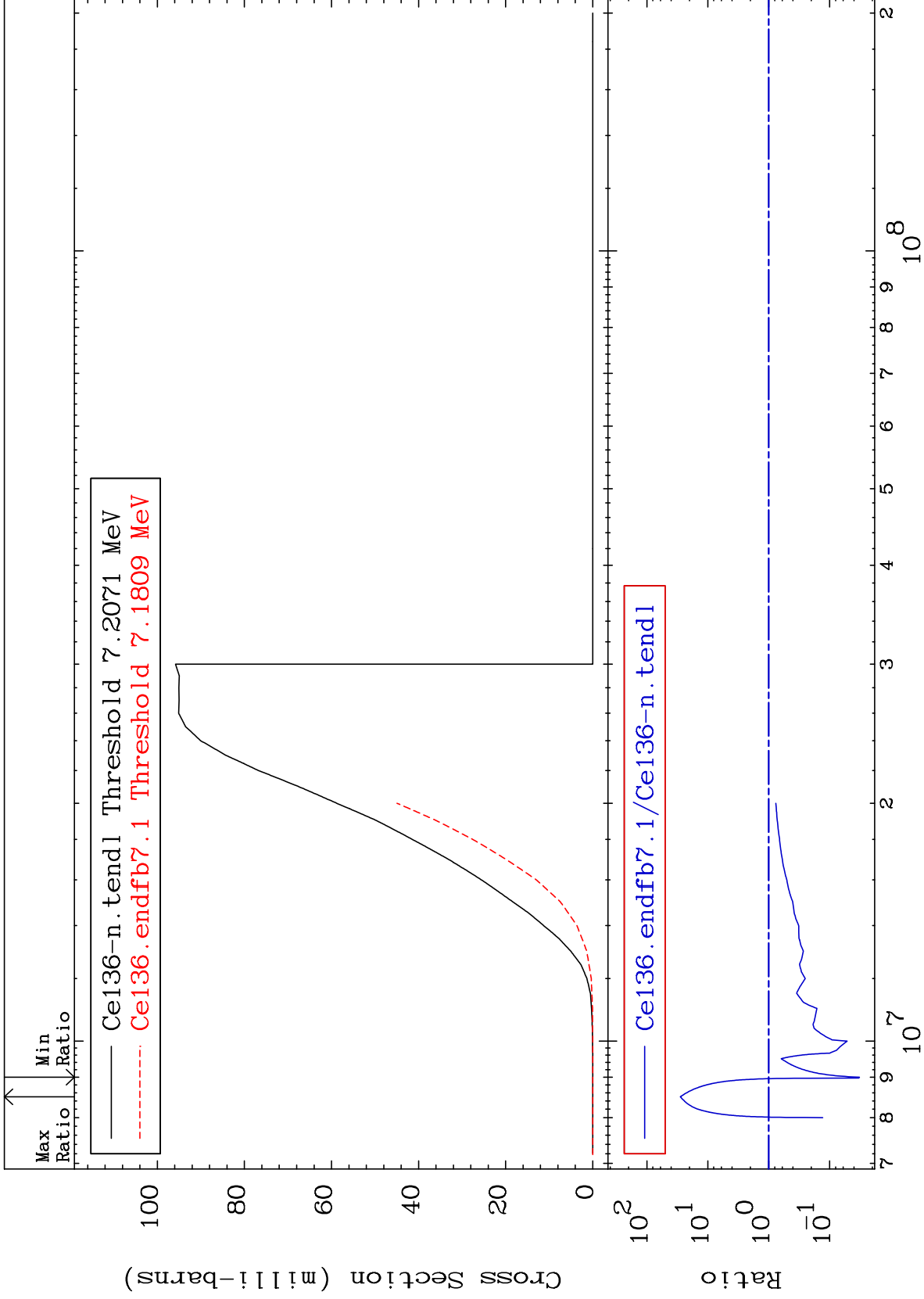
58-Ce-136
-99.89 To -95.98%



MAT 5825

(n,n') p
Cross Section

58-Ce-136
-96.75 To 2724. %



8

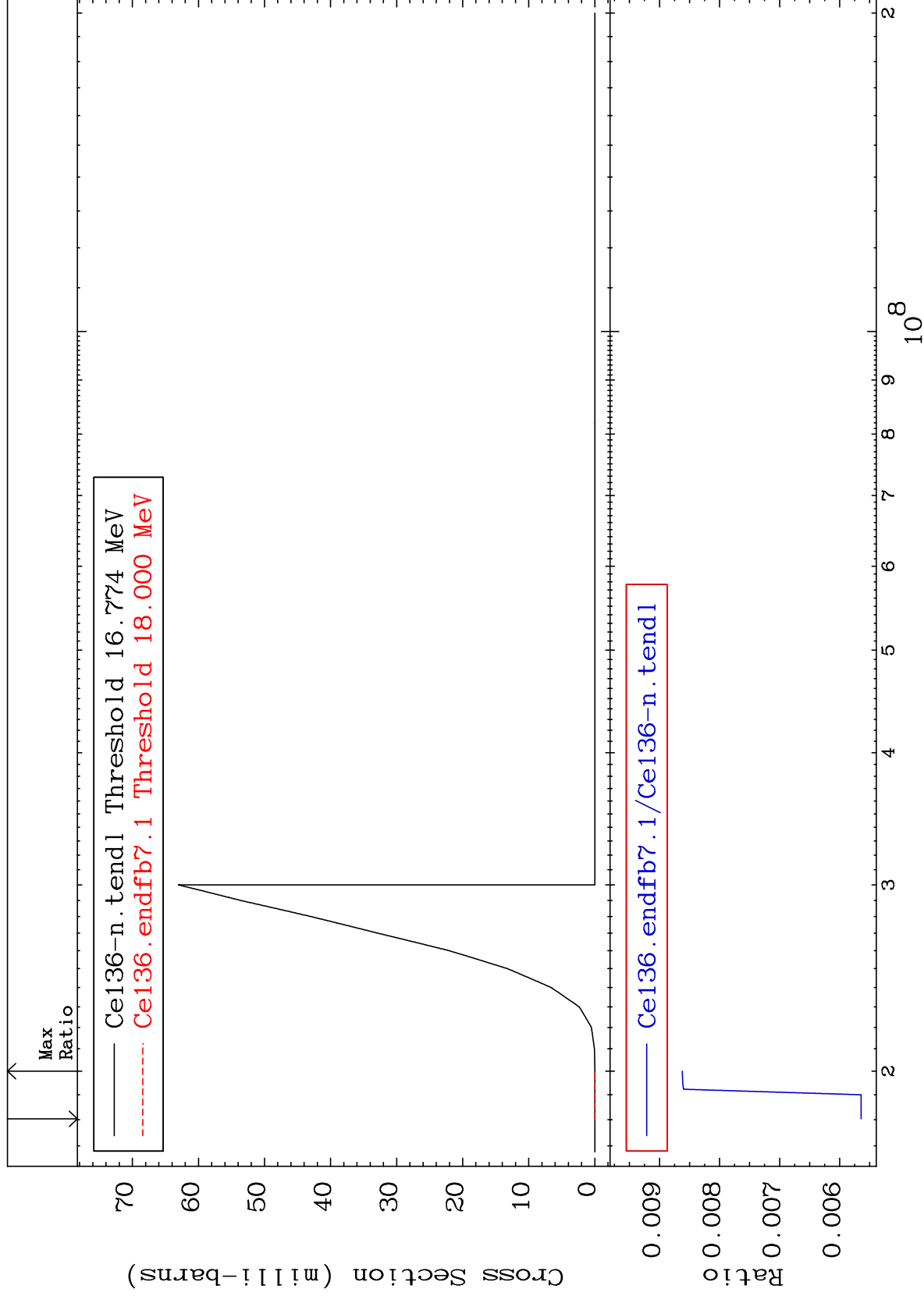
Incident Energy (eV)

58-Ce-136

MAT 5825

(n,2n) p
Cross Section

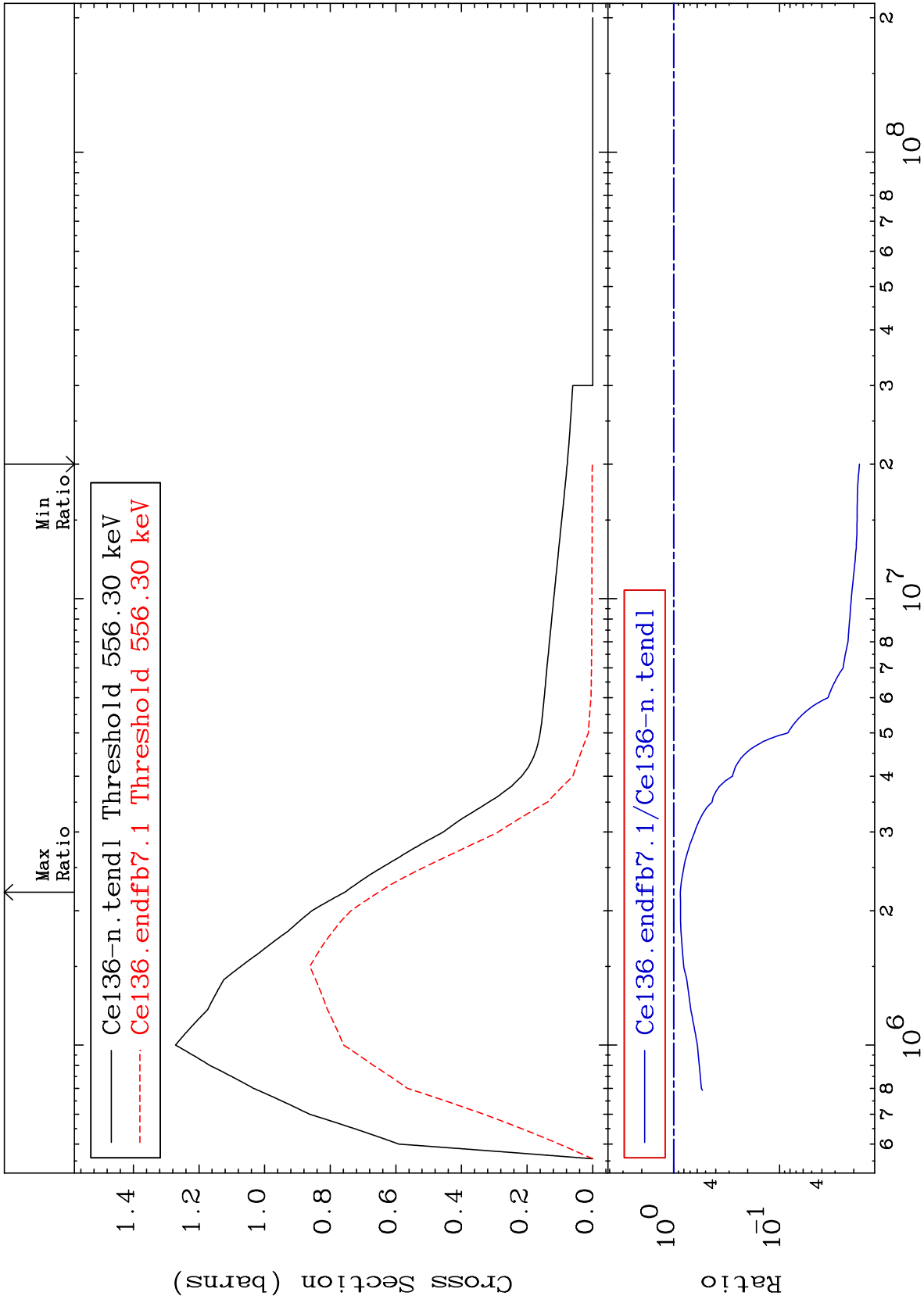
58-Ce-136
-99.44 To -99.14%



MAT 5825

552.2 keV (n,n') Level
Cross Section

58-Ce-136
-98.23 To -13.67%



10

Incident Energy (eV)

58-Ce-136

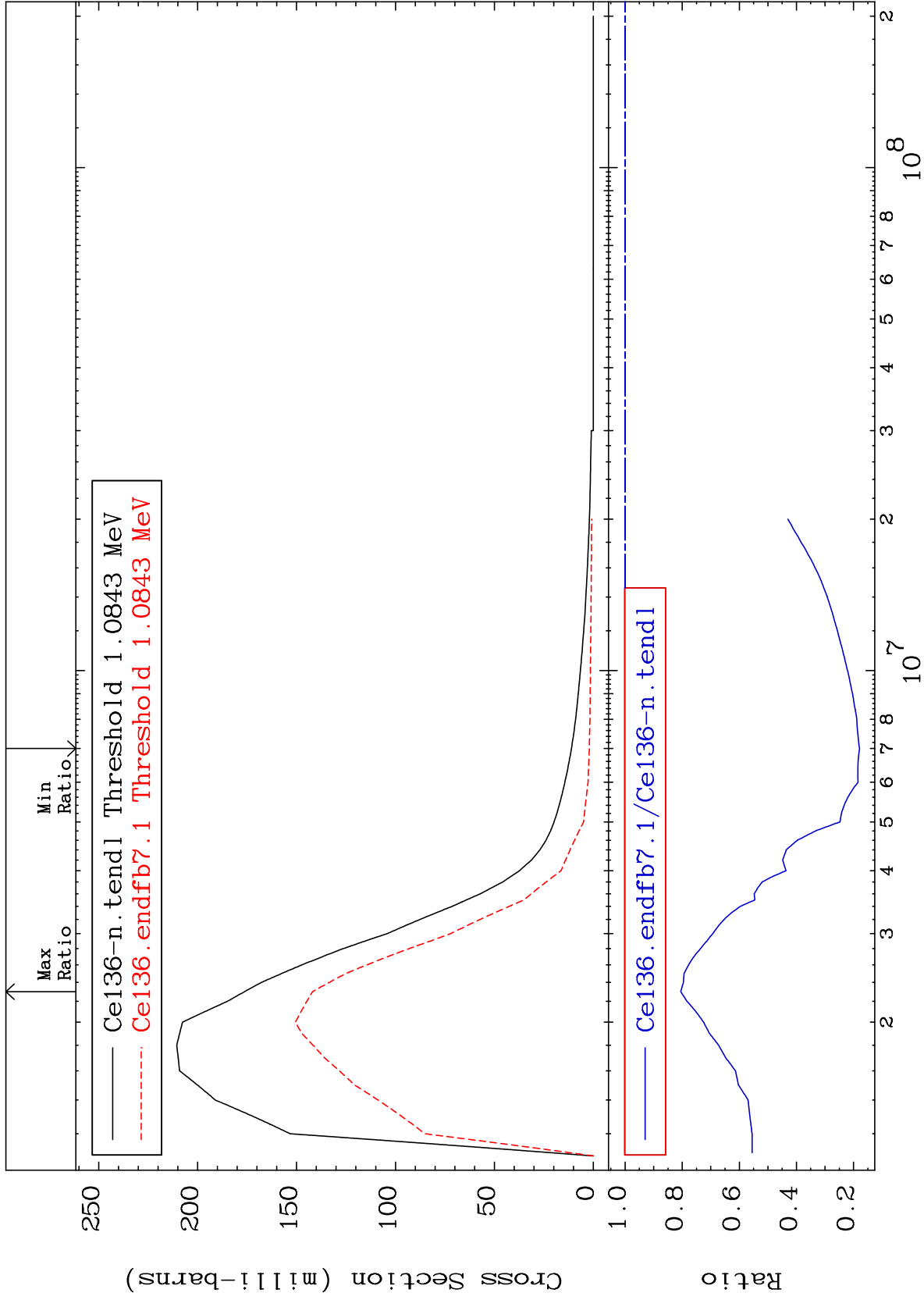
MAT 5825

1.076 MeV (n,n') Level

58-Ce-136

-82.10 To -19.50%

Cross Section



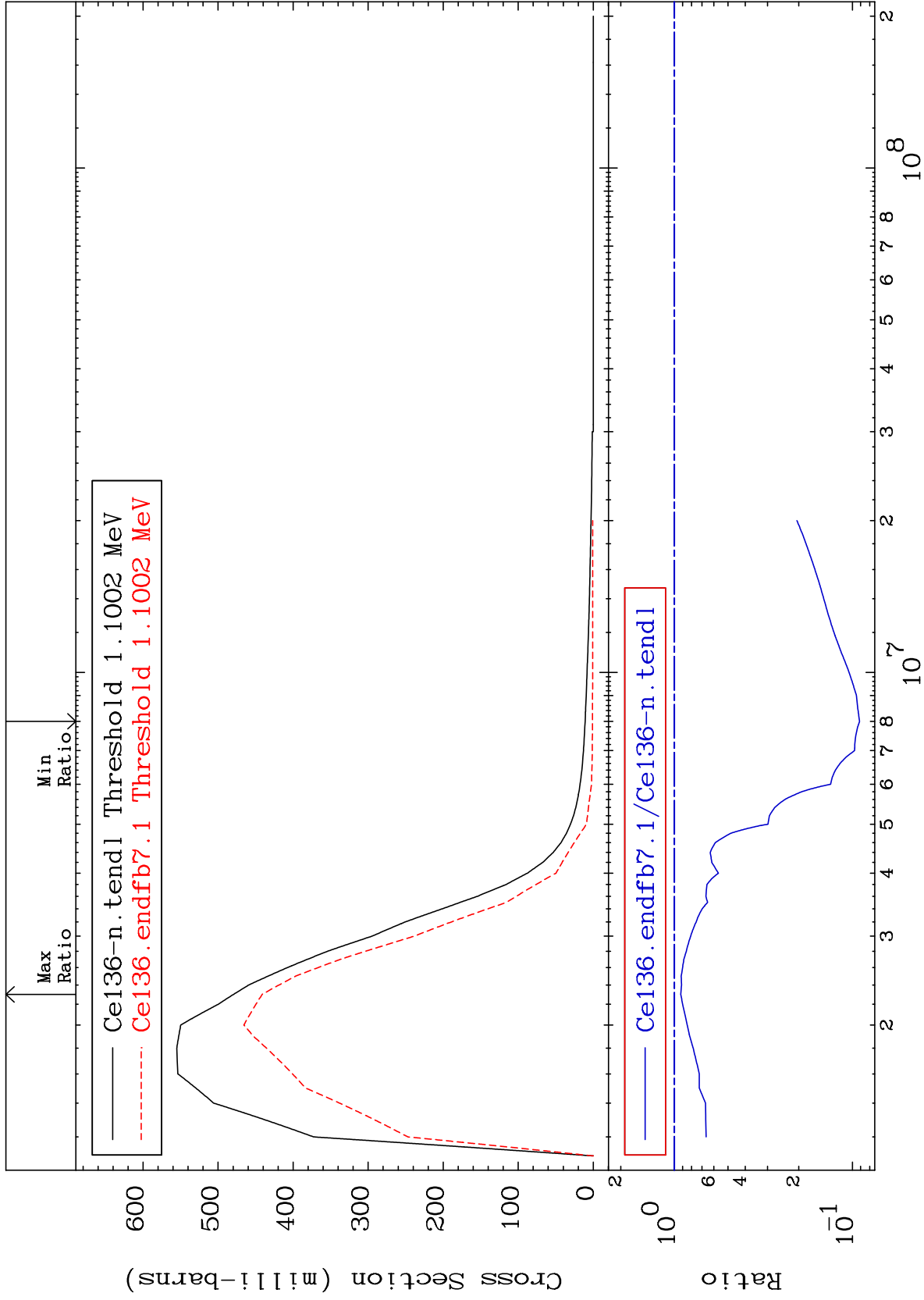
MAT 5825

1.092 MeV (n,n') Level

58-Ce-136

Cross Section

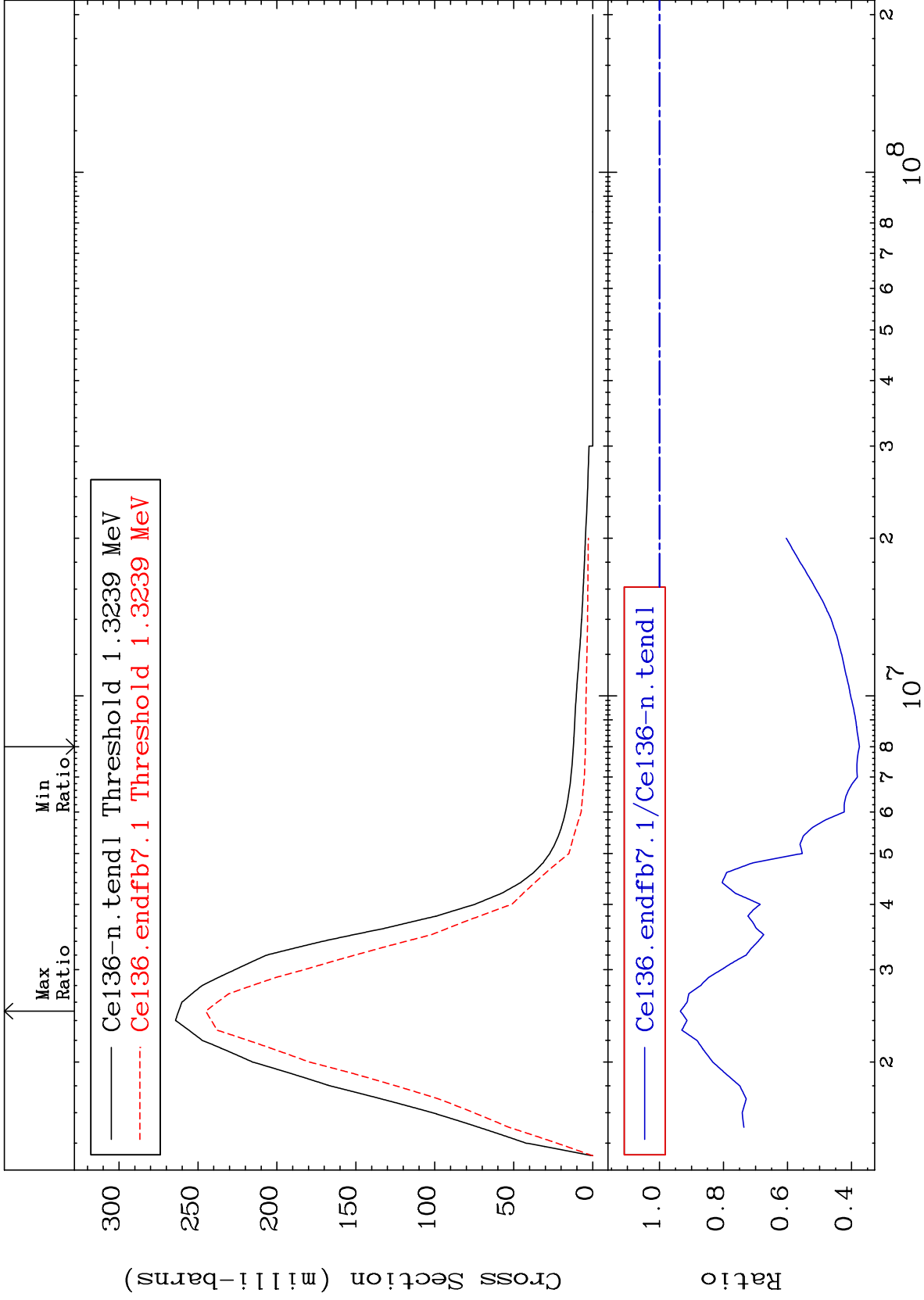
-90.88 To -7.943%



MAT 5825

1.314 MeV (n,n') Level
Cross Section

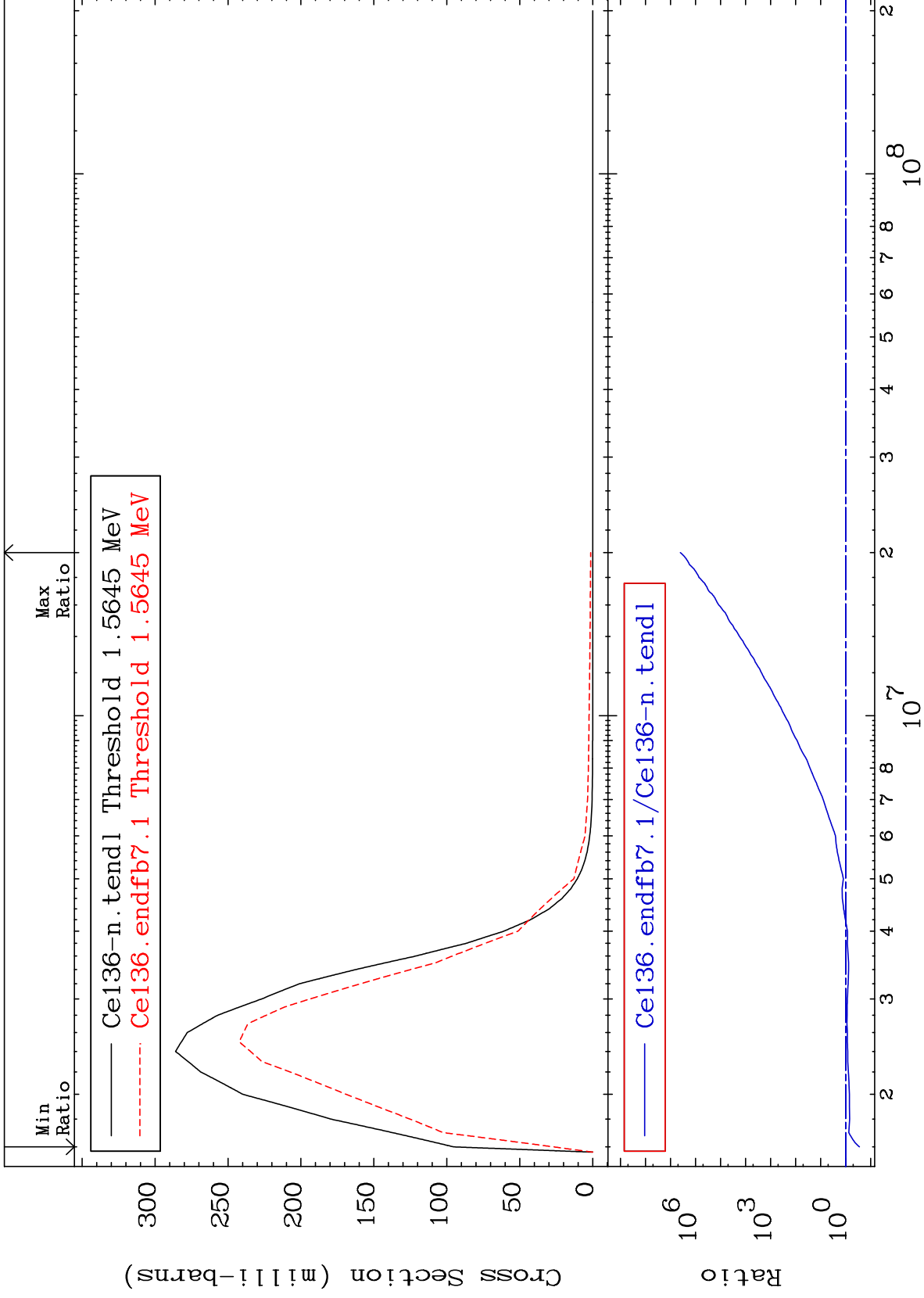
58-Ce-136
-62.45 To -6.527%



MAT 5825

1.553 MeV (n,n') Level
Cross Section

58-Ce-136
-71.85 To 9999. %



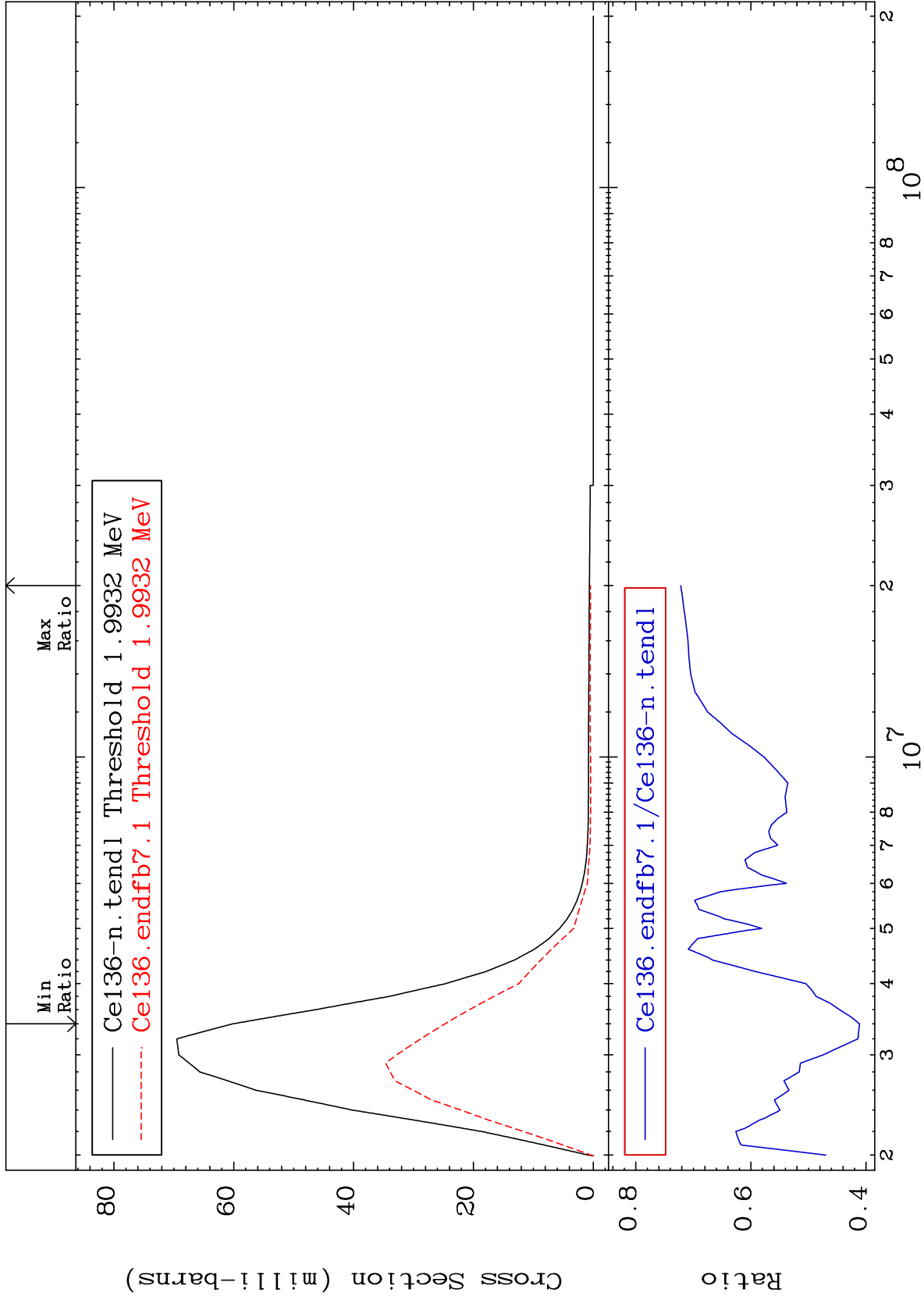
MAT 5825

1.979 MeV (n,n') Level

58-Ce-136

-58.88 To -27.81%

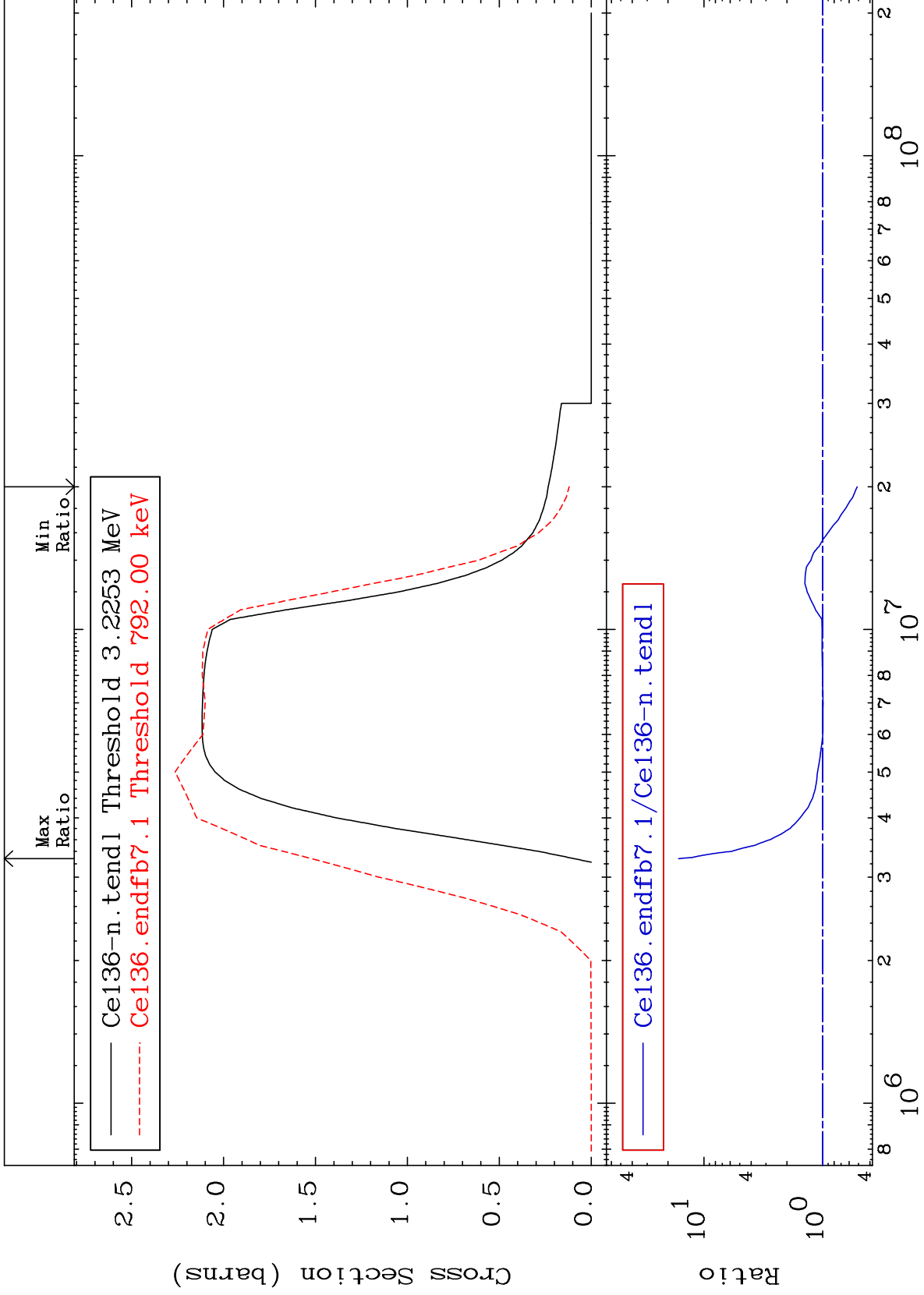
Cross Section



MAT 5825

(n, n') Continuum
Cross Section

58-Ce-136
-48.78 To 1530. %

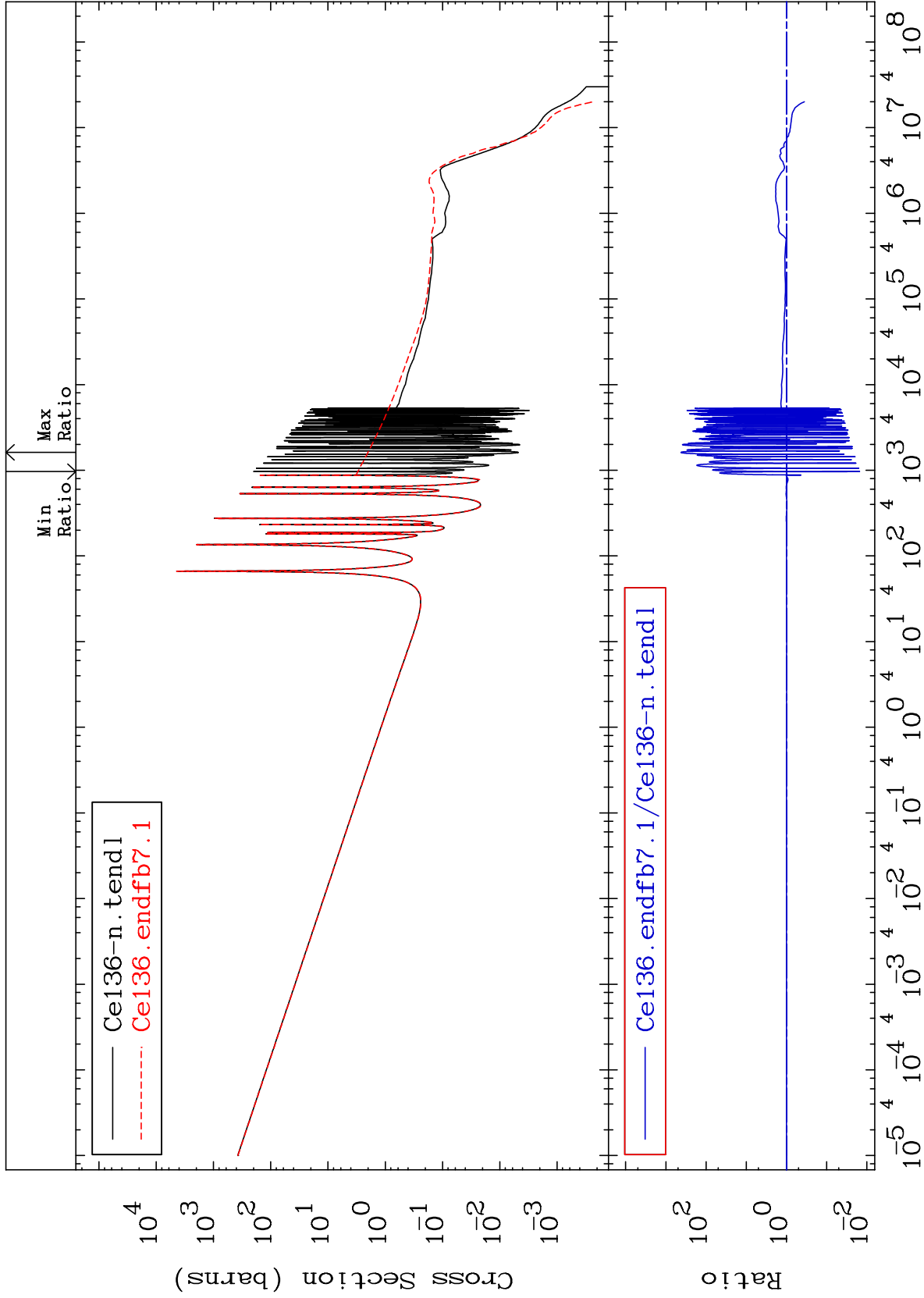


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Incident Energy (eV)

58-Ce-136

(n, γ)
Cross Section



Ce136-n.tendl
Ce136.endfb7.1

Ce136.endfb7.1/Ce136-n.tendl

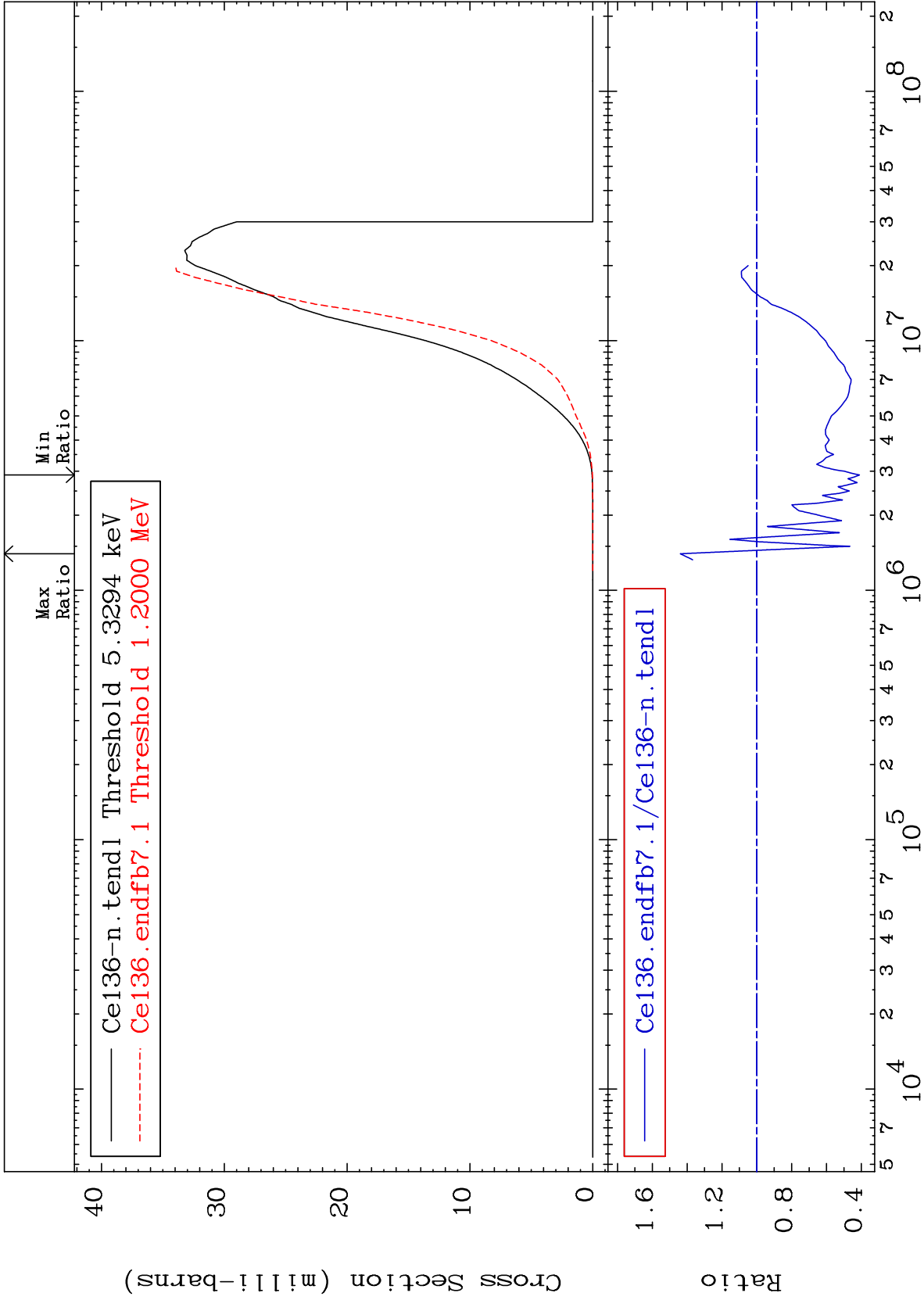
MAT 5825

(n, p)

58-Ce-136

Cross Section

-58.91 To 43.90 %

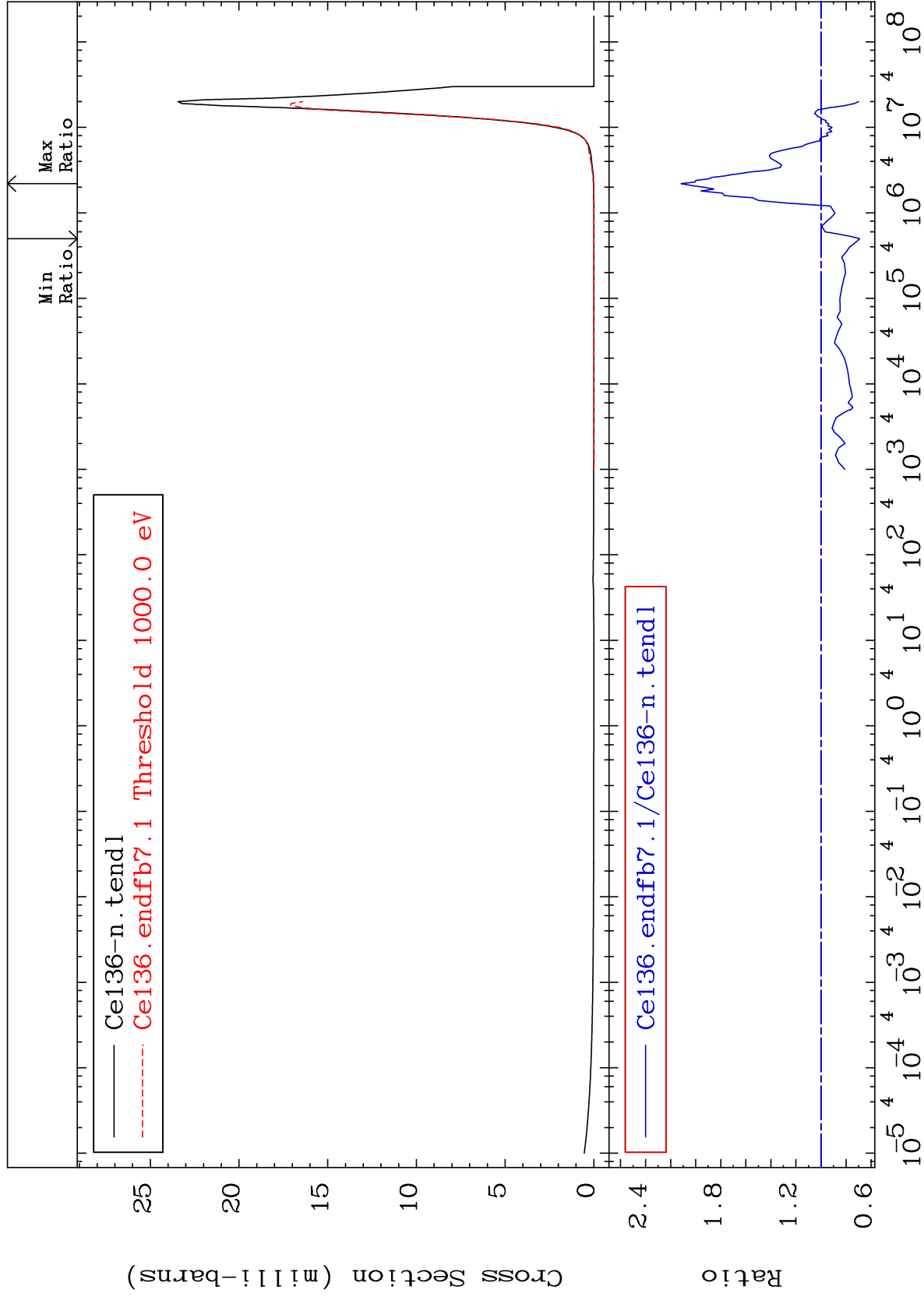


MAT 5825

(n, α)
Cross Section

58-Ce-136

-30.85 To 111.6 %



19

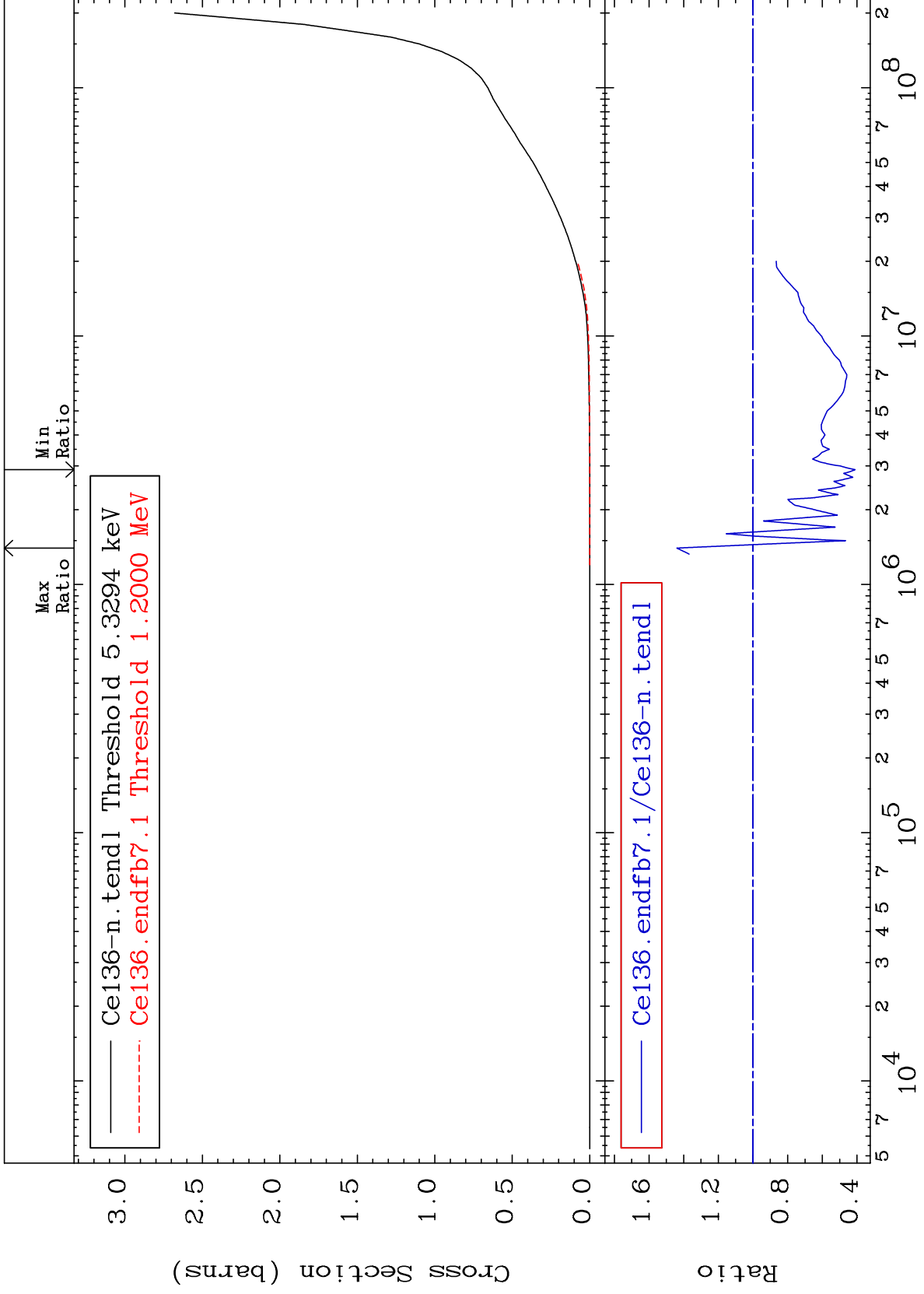
Incident Energy (eV)

58-Ce-136

MAT 5825

Hydrogen Production
Cross Section

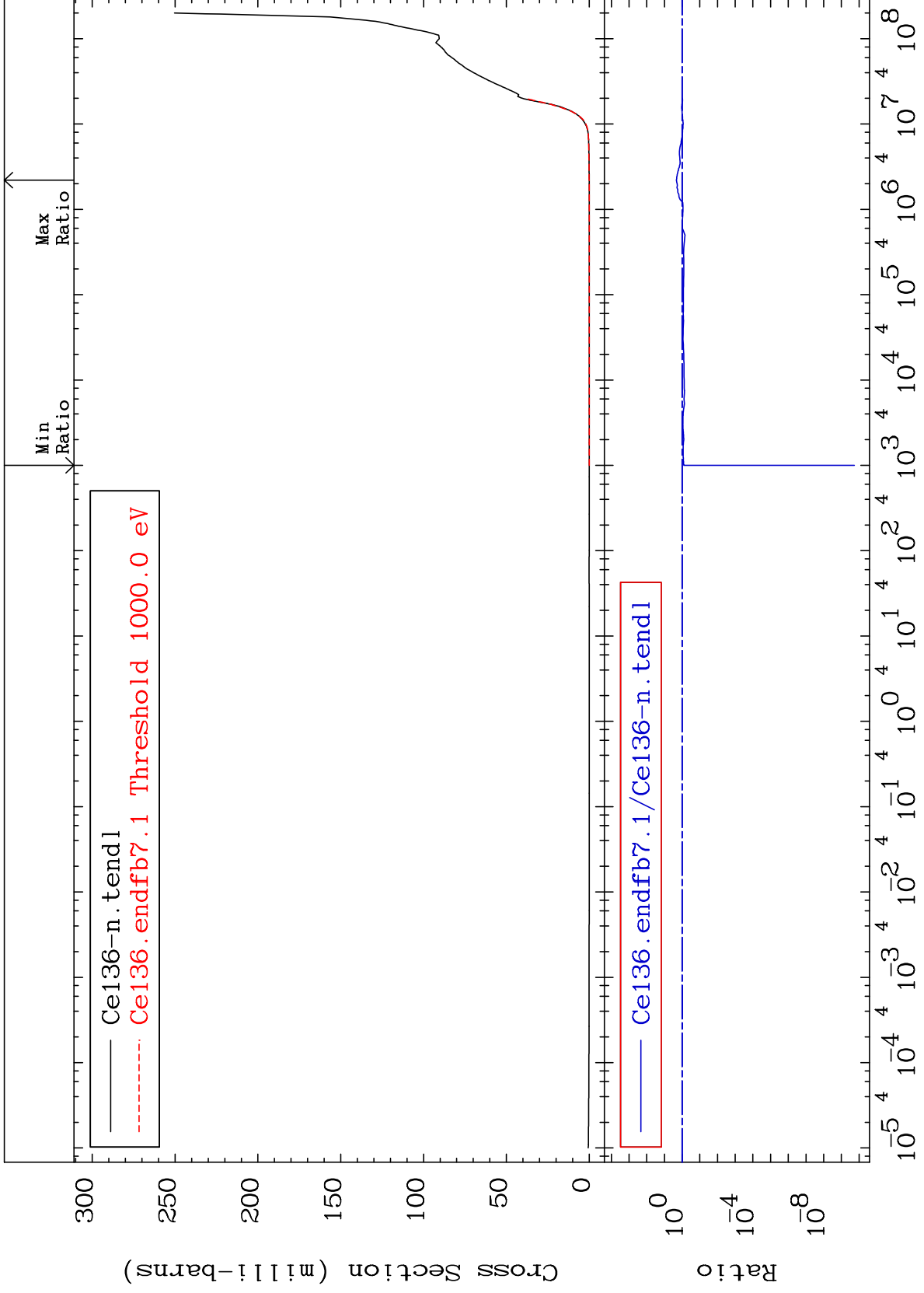
58-Ce-136
-58.91 To 43.90 %

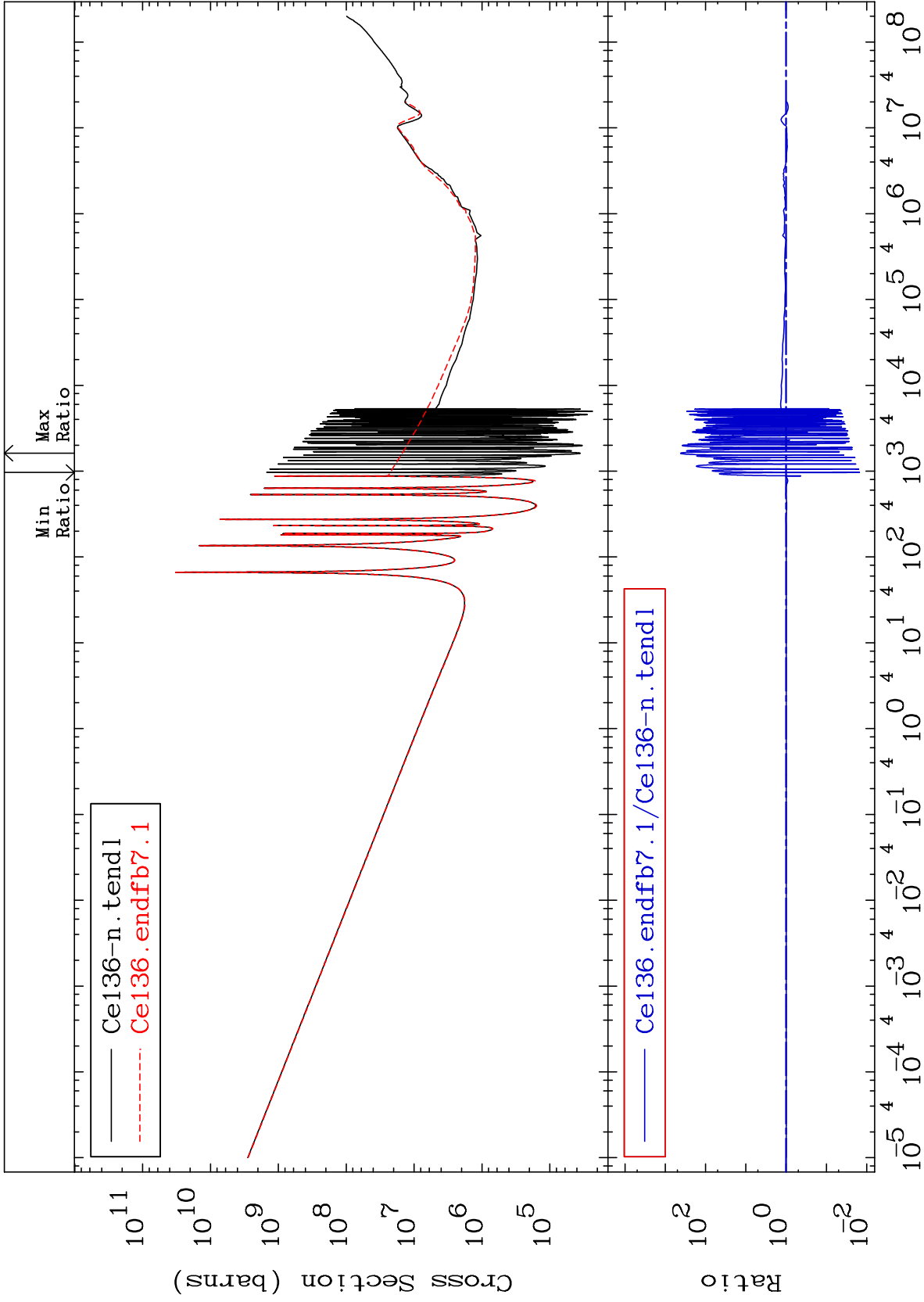


MAT 5825

He-4 Production
Cross Section

58-Ce-136
-100.0 To 111.6 %

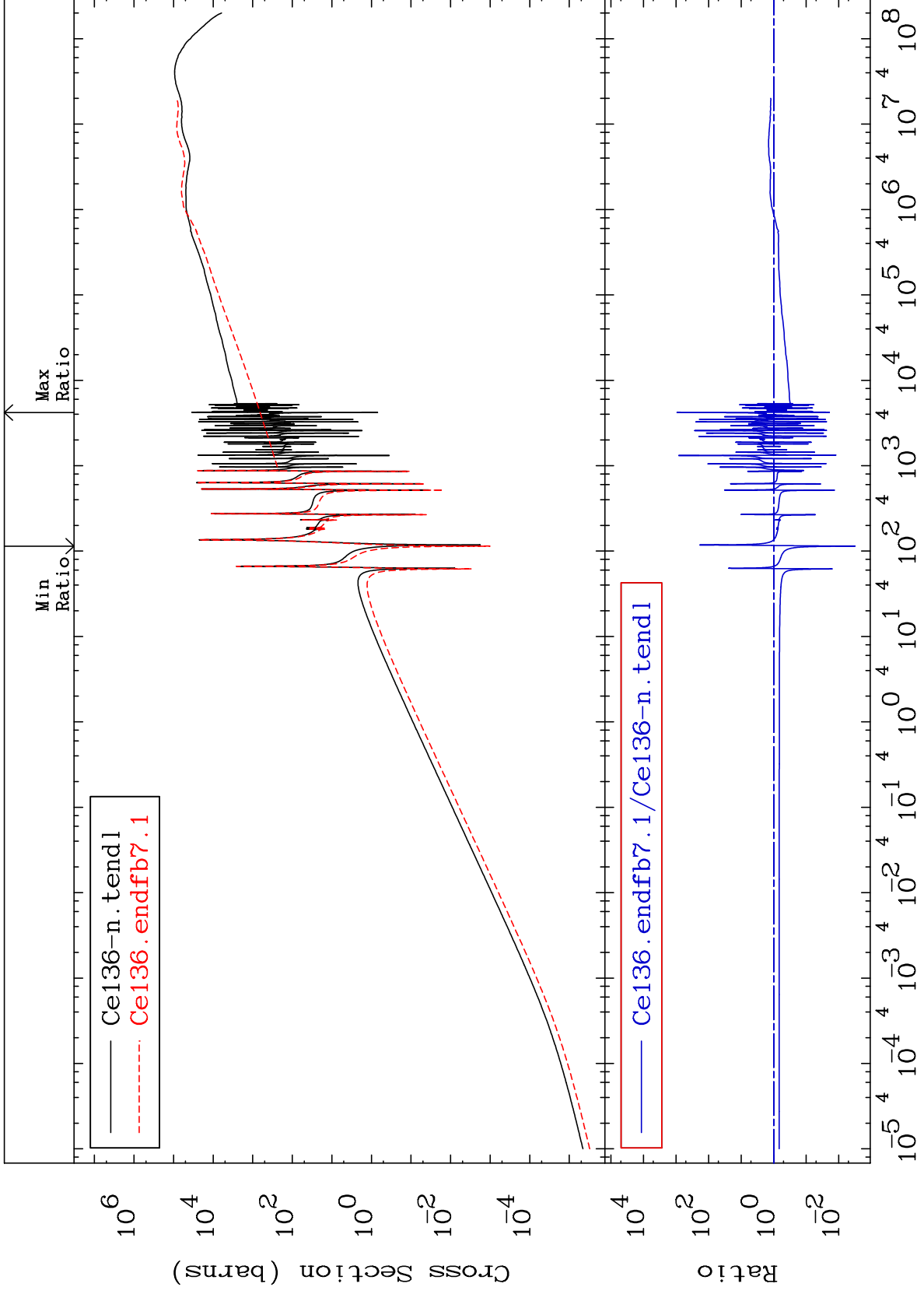


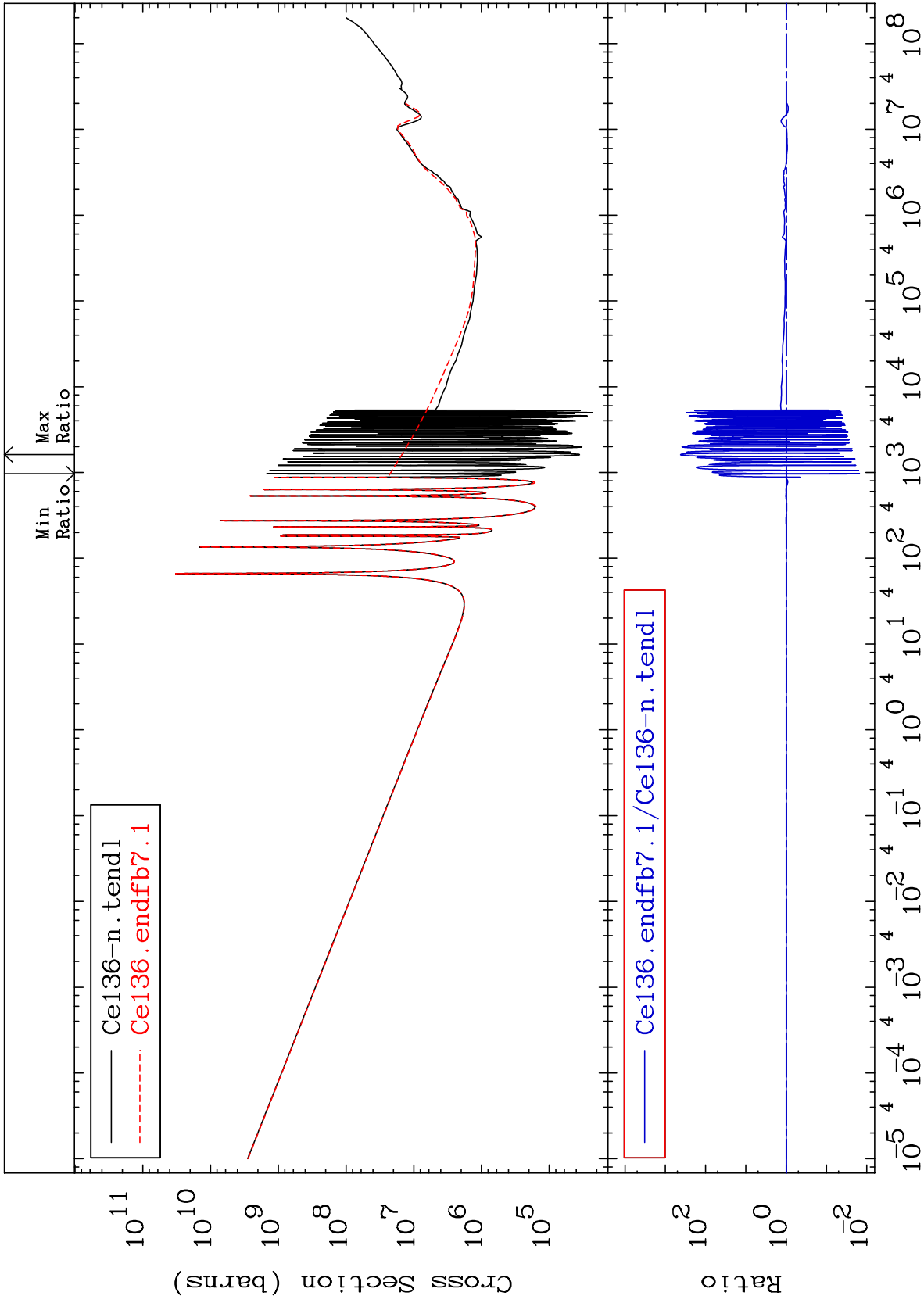


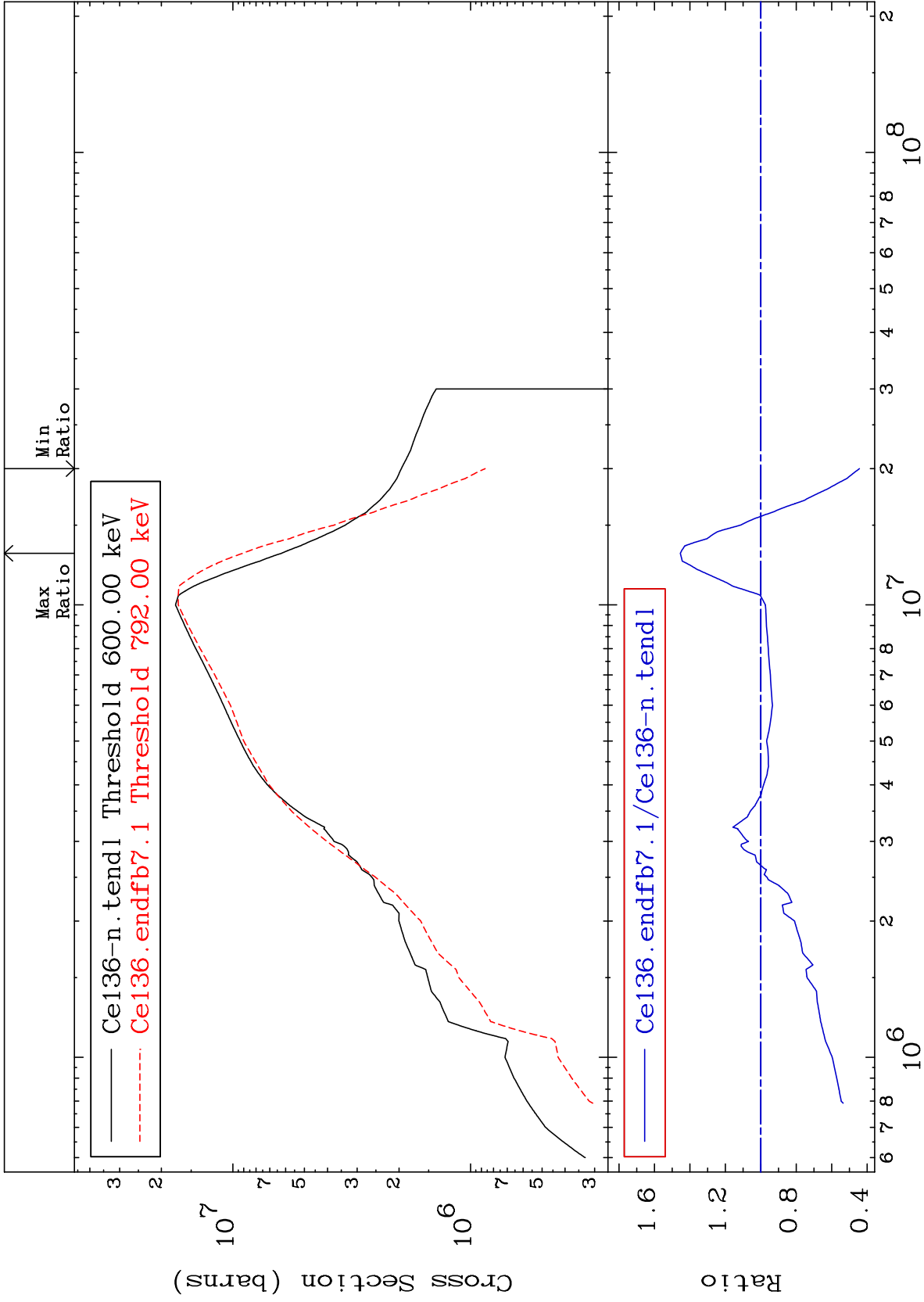
MAT 5825

Kerma elastic
Cross Section

58-Ce-136
-99.69 To 9999. %



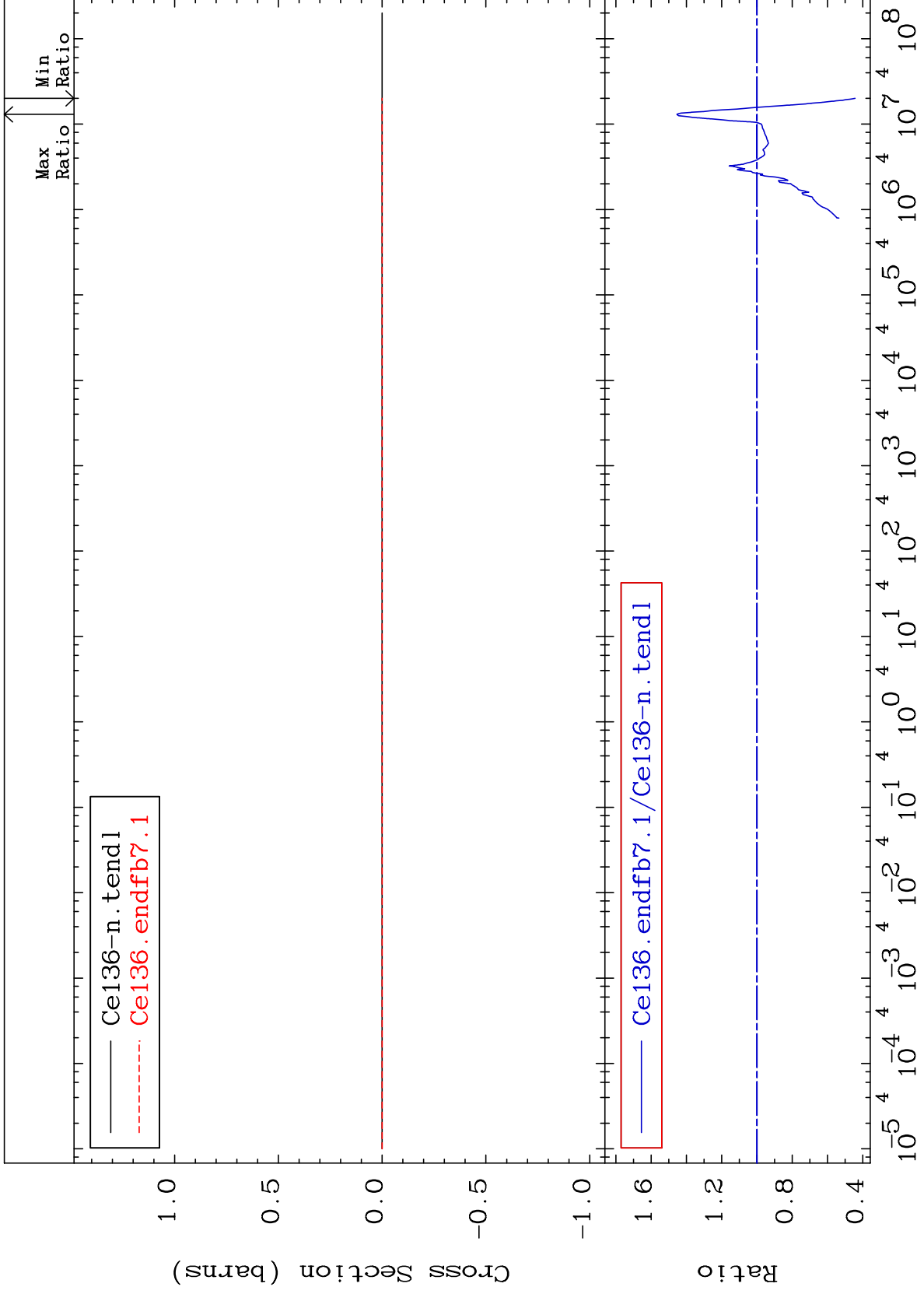


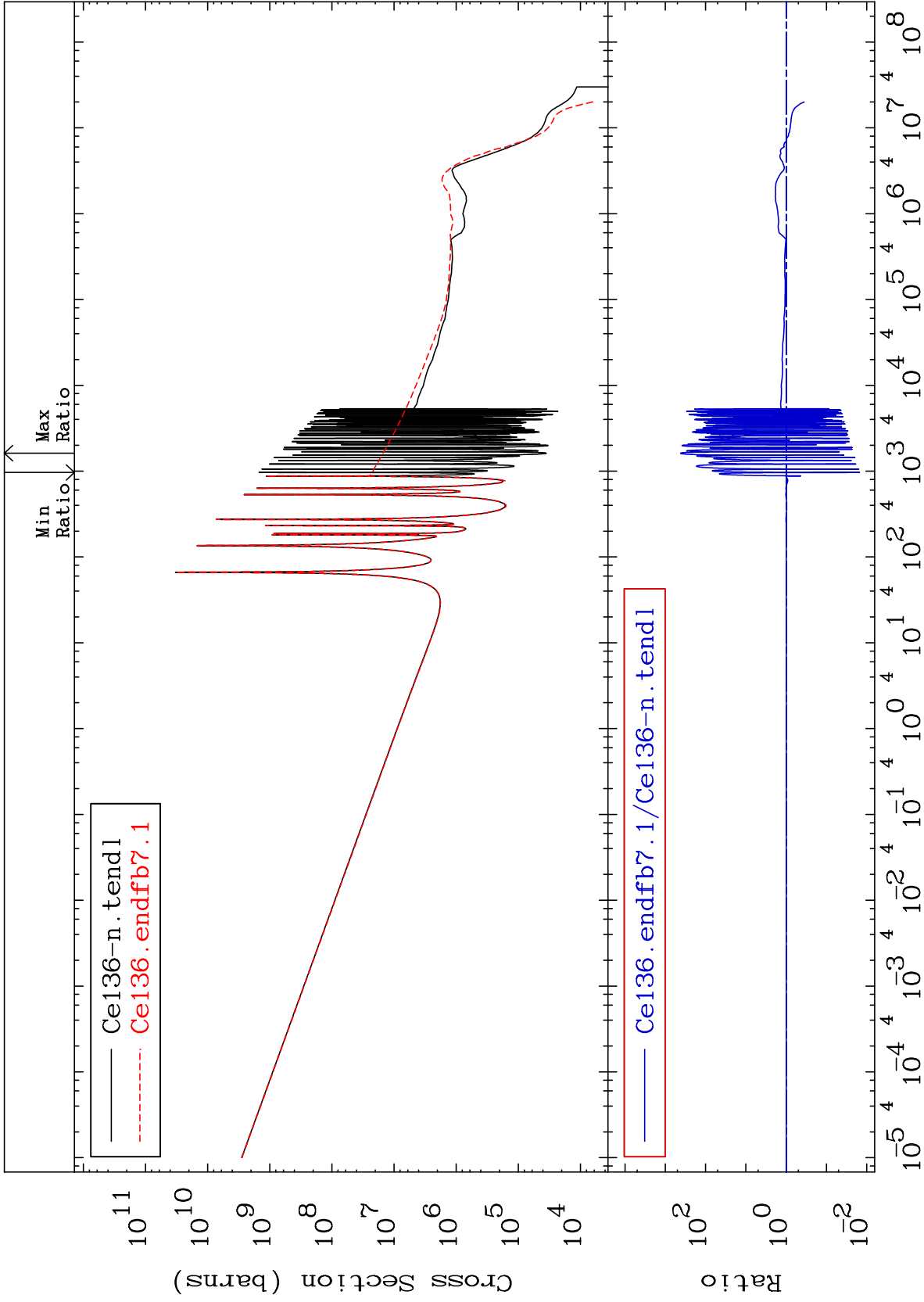


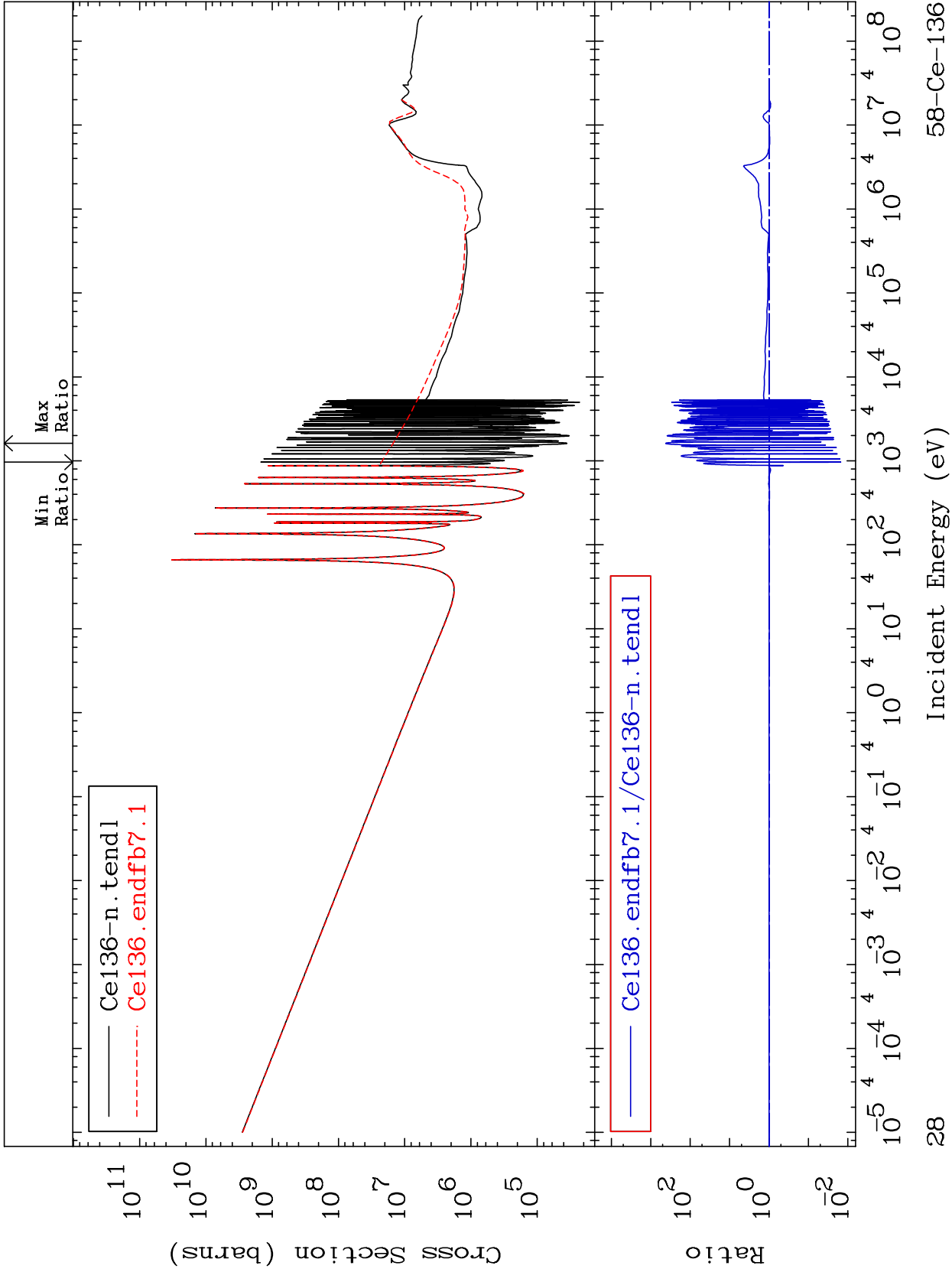
MAT 5825

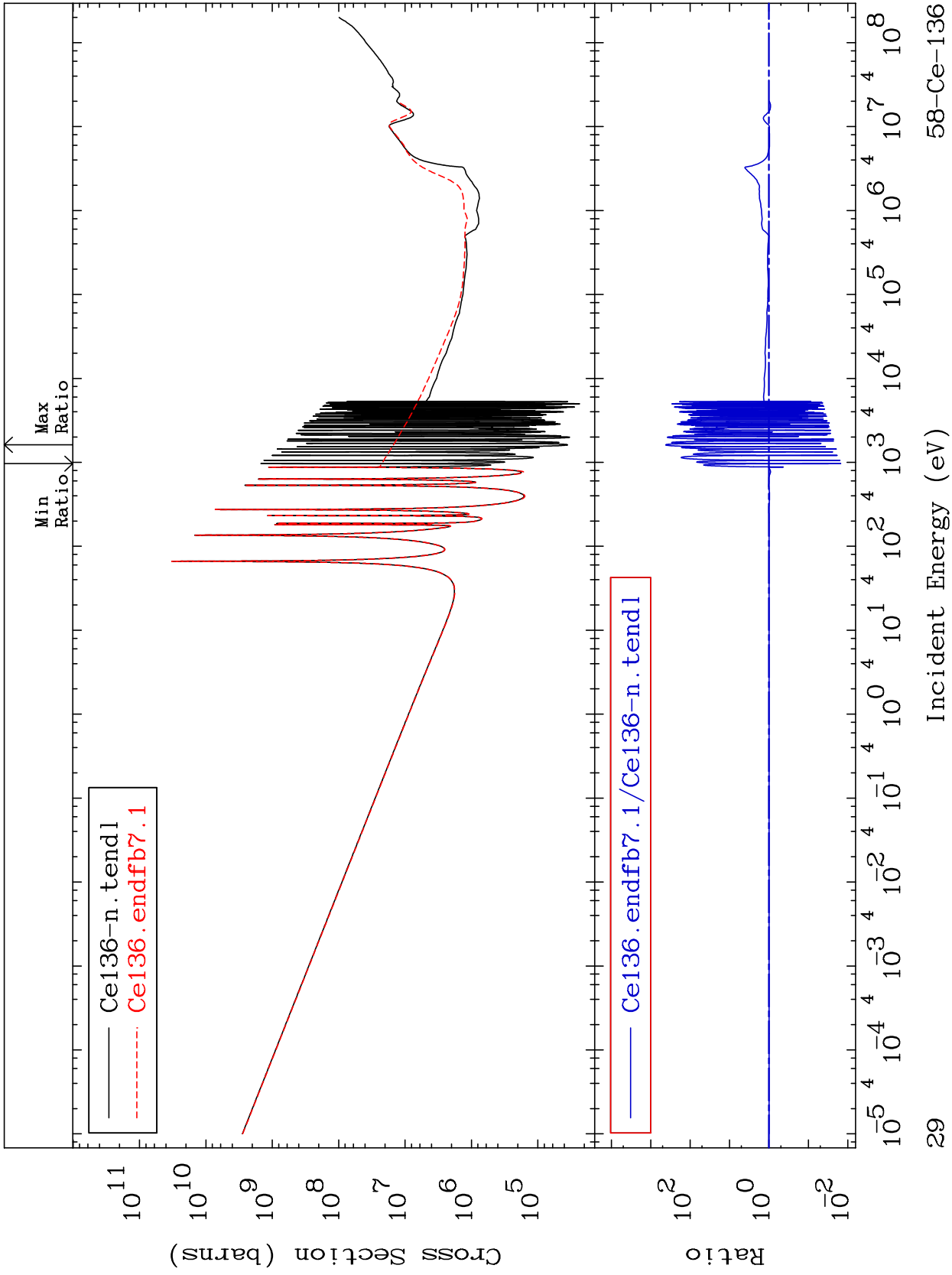
Kerma fission (mt18 or mt19-20-21-38)
Cross Section

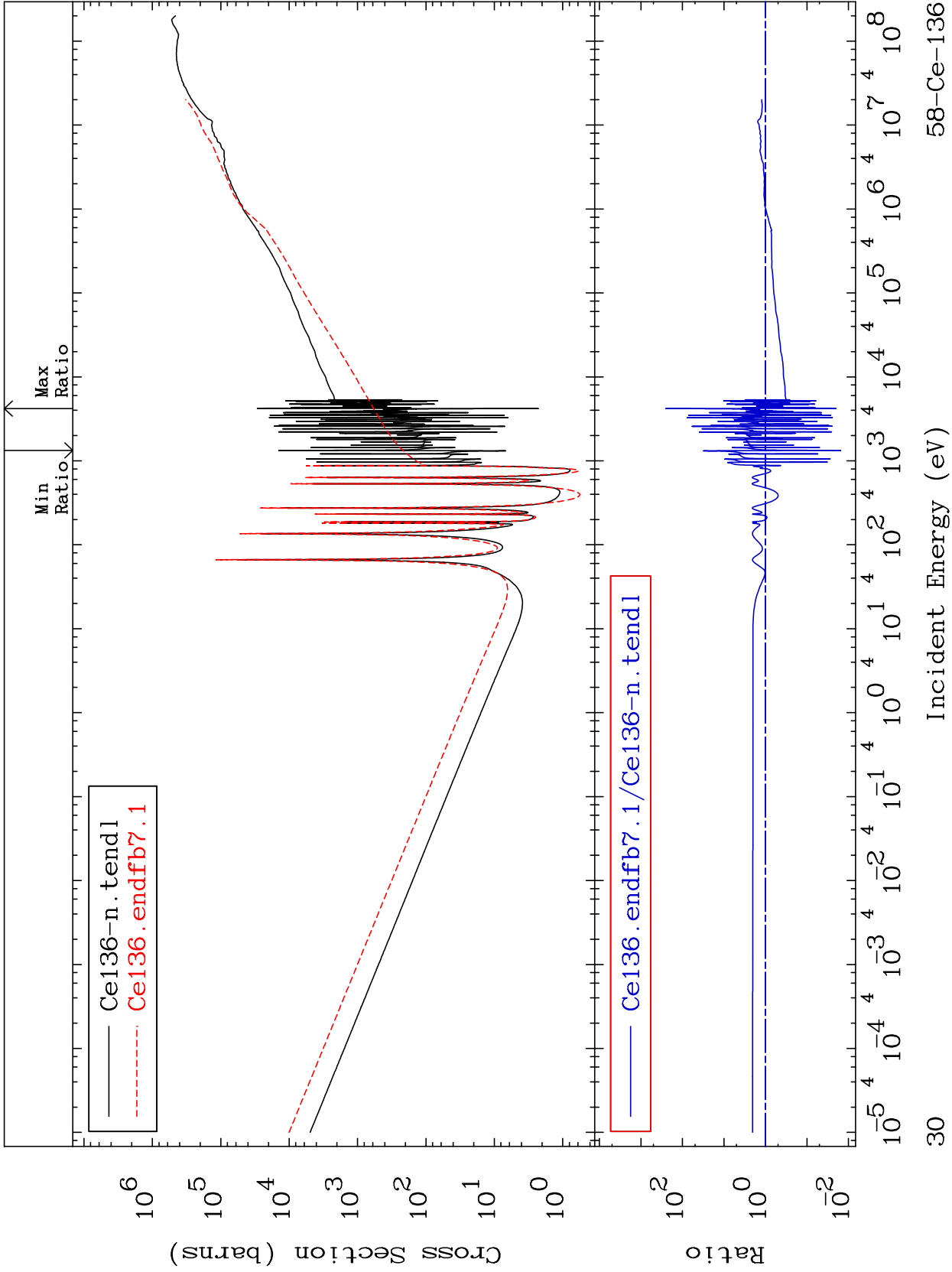
58-Ce-136
-55.62 To 45.38 %







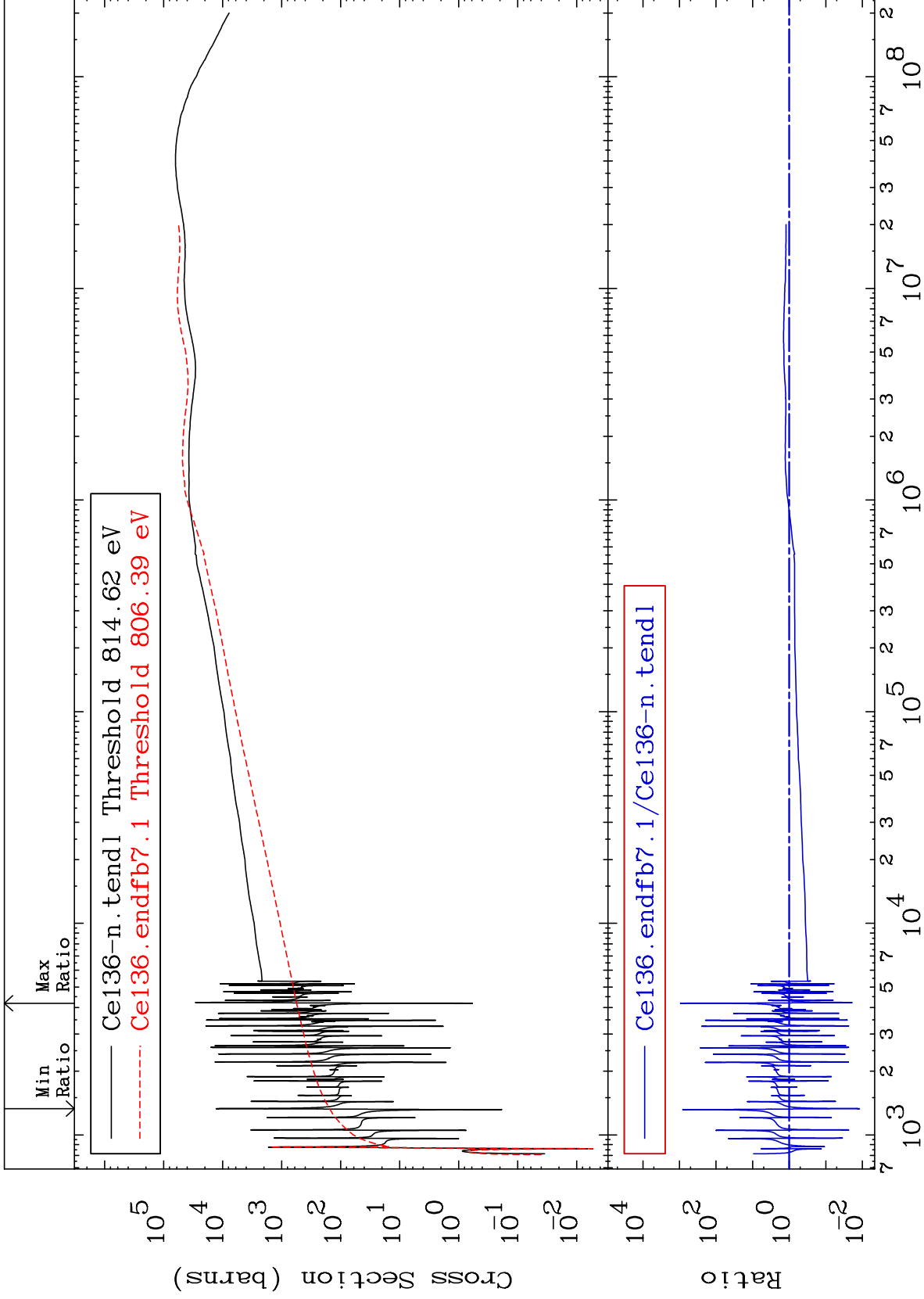




MAT 5825

Dpa elastic (mt2)
Cross Section

58-Ce-136
-98.80 To 9999. %



MAT 5825

Dpa inelastic (mt51-91)
Cross Section

58-Ce-136
-45.47 To 150.0 %

