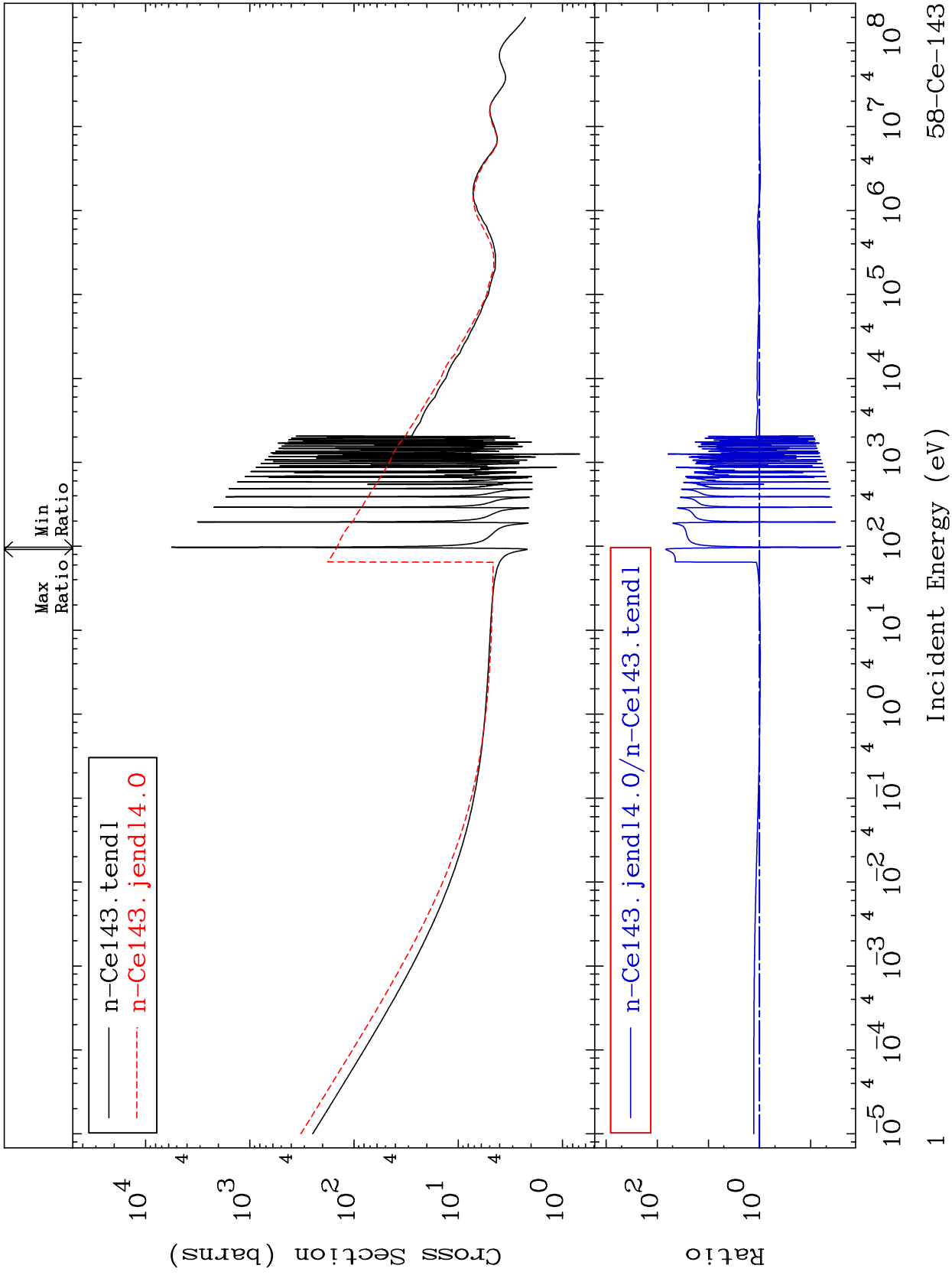


MAT 5846

Total Cross Section
58-Ce-143
-97.41 To 6811. %

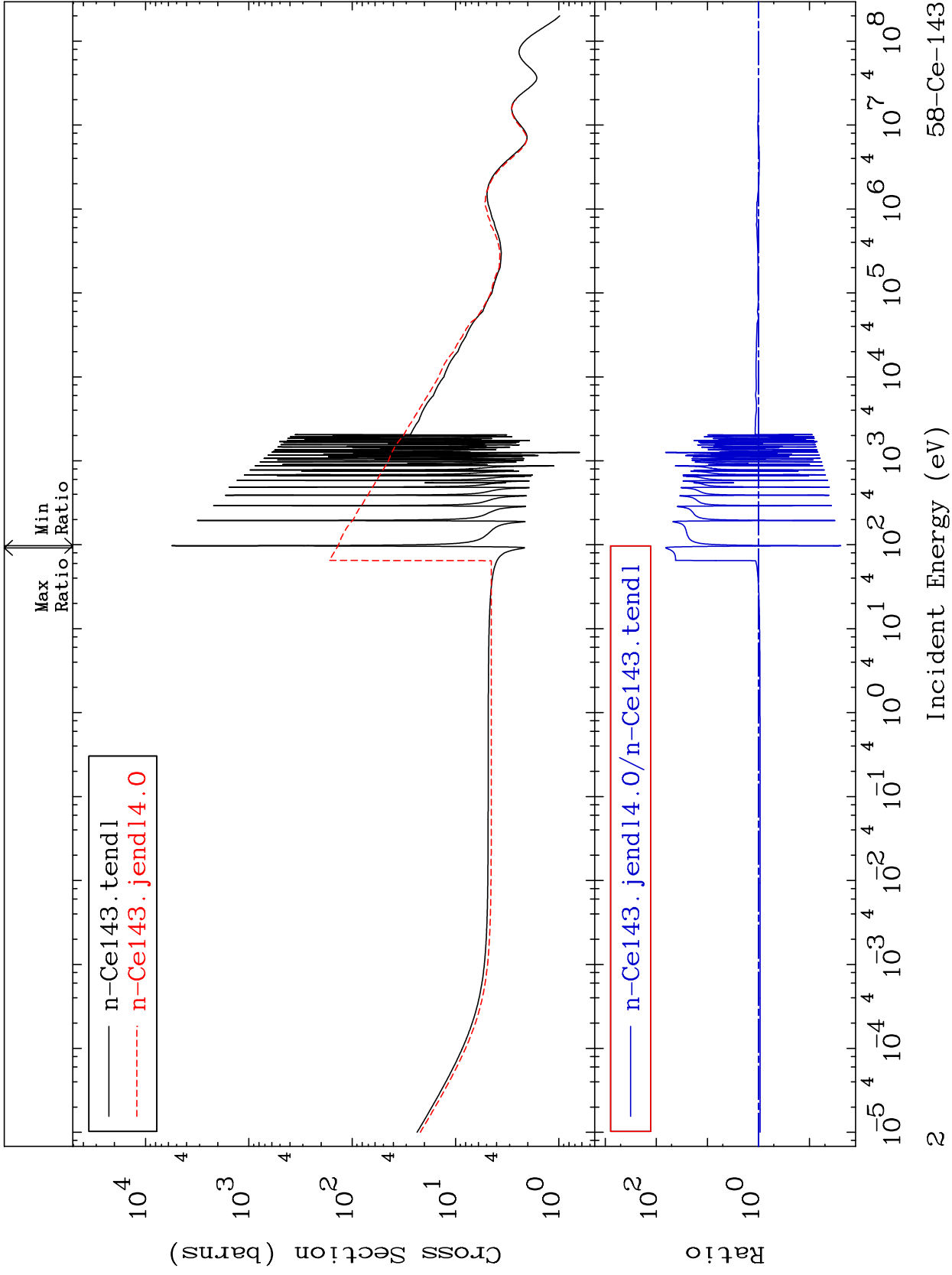


58-Ce-143

MAT 5846

Elastic
Cross Section

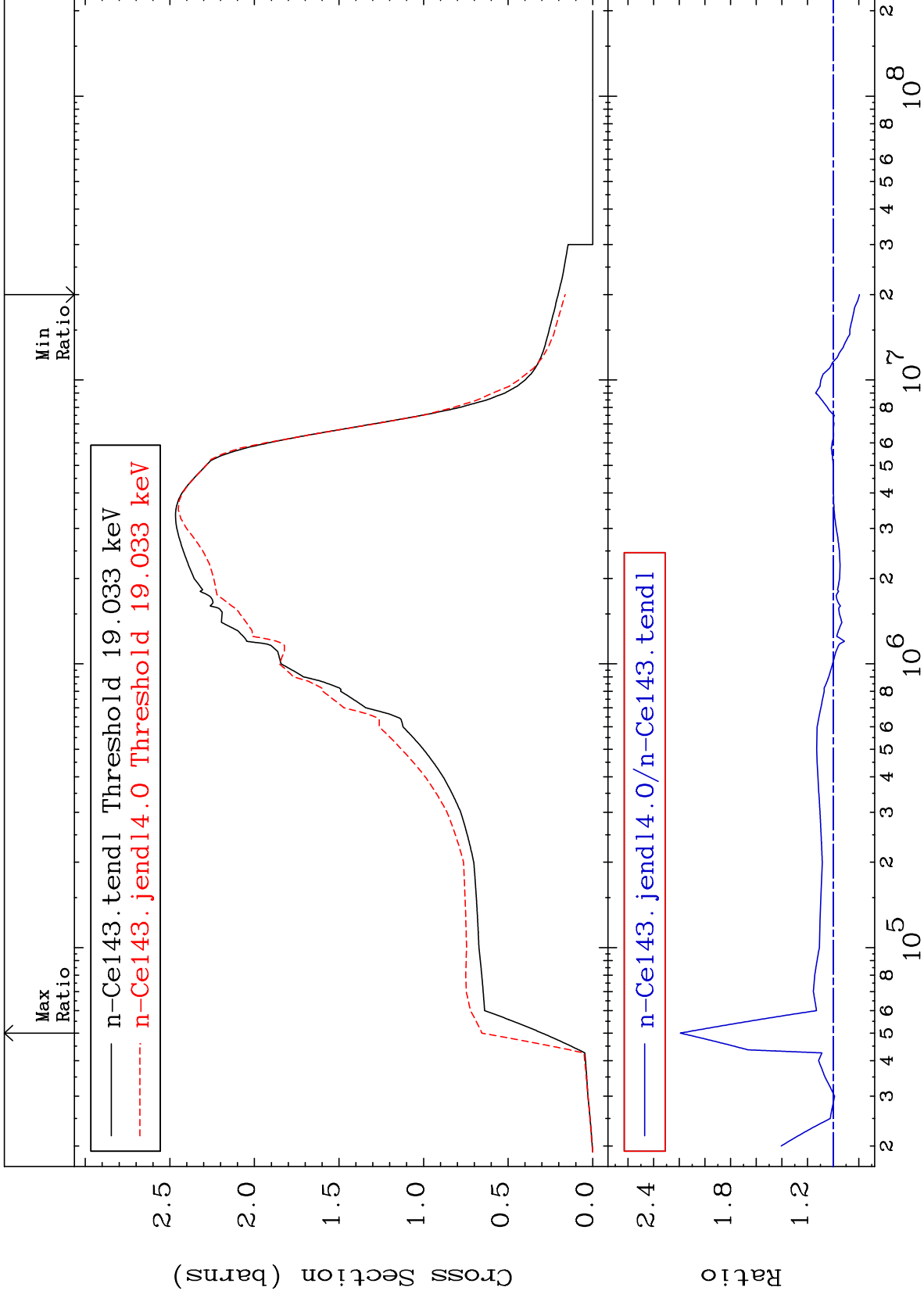
58-Ce-143
-97.54 To 6504. %



MAT 5846

Inelastic
Cross Section

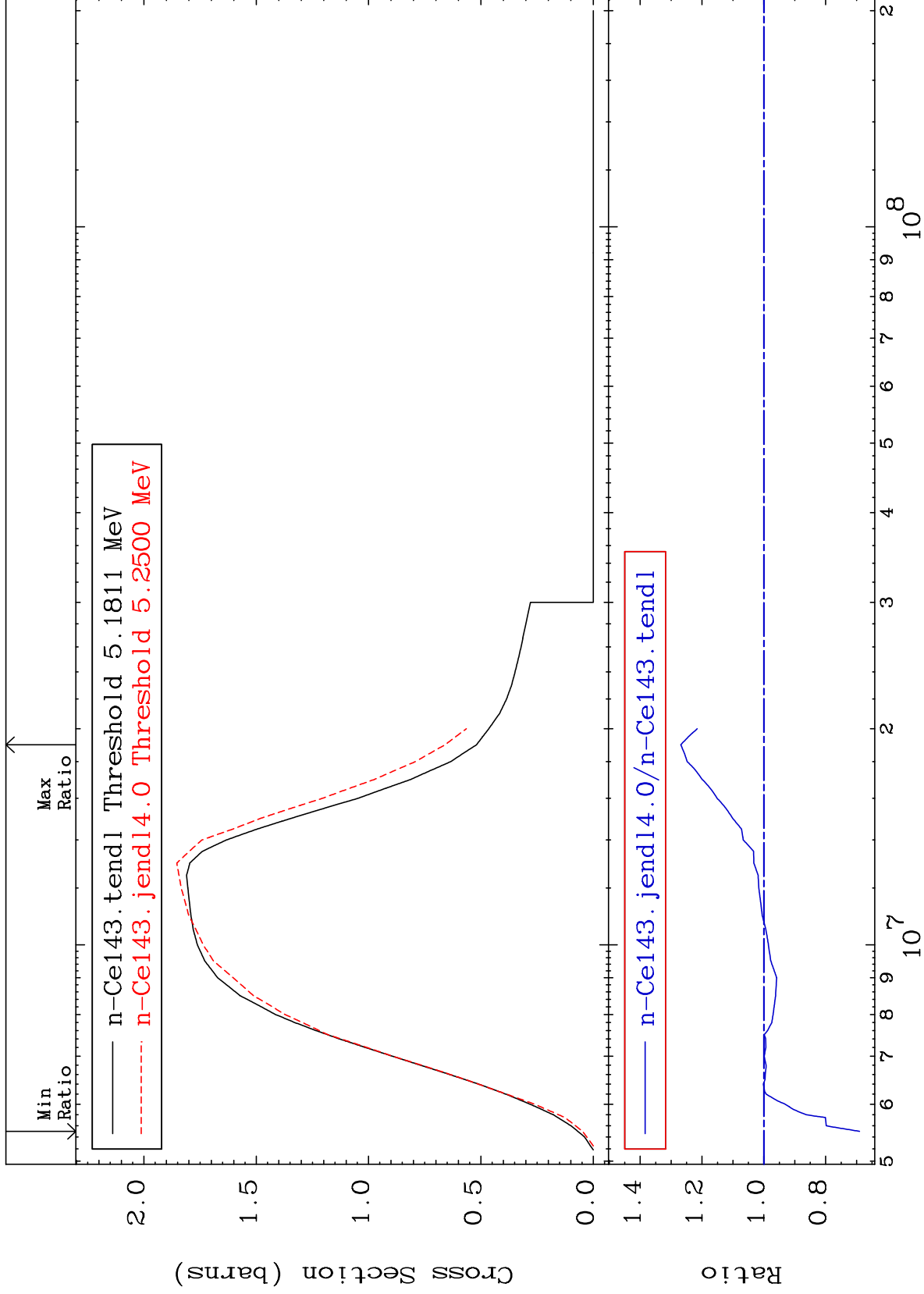
58-Ce-143
-20.41 To 119.2 %

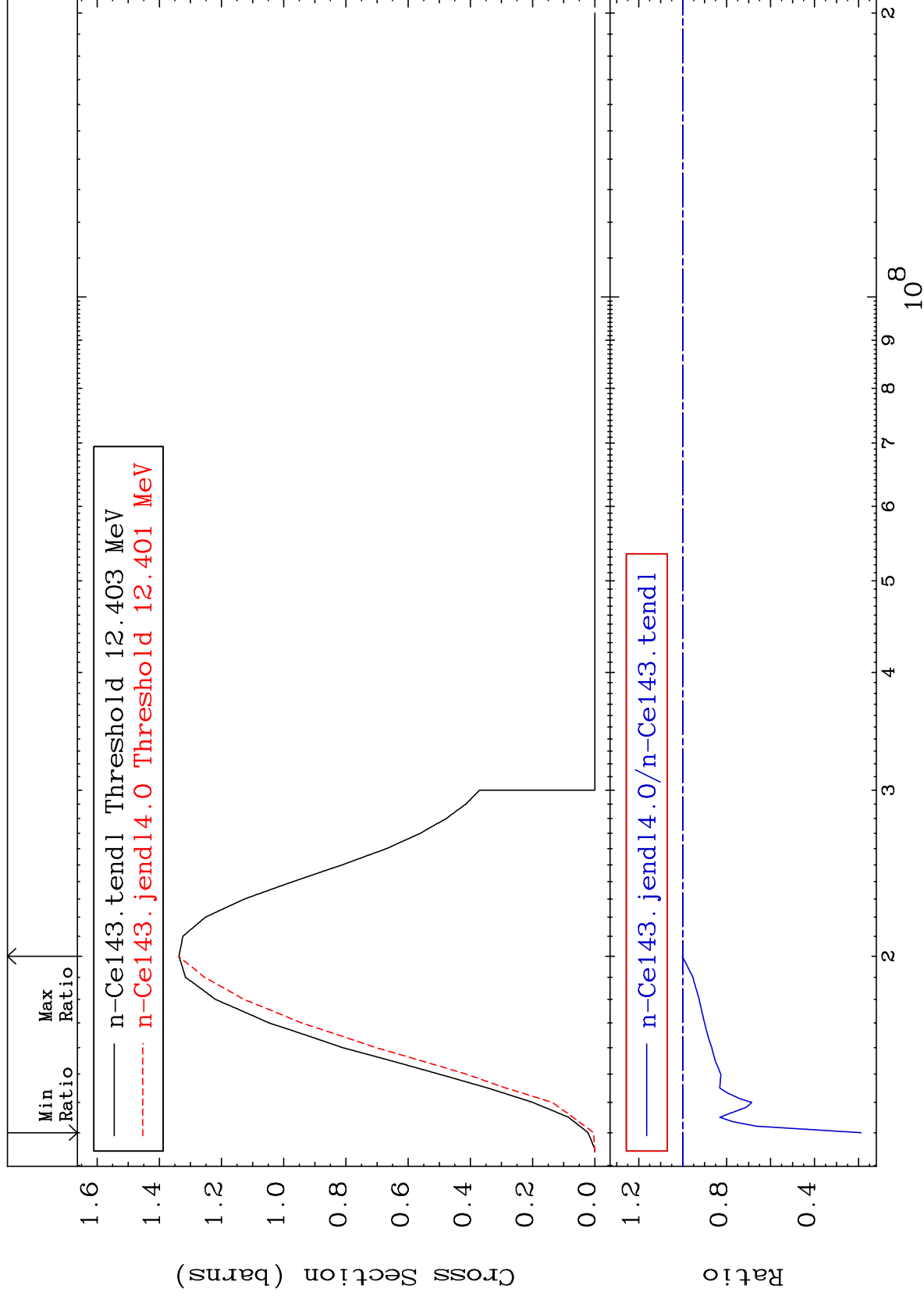


MAT 5846

(n,2n)
Cross Section

58-Ce-143
-30.95 To 26.88 %

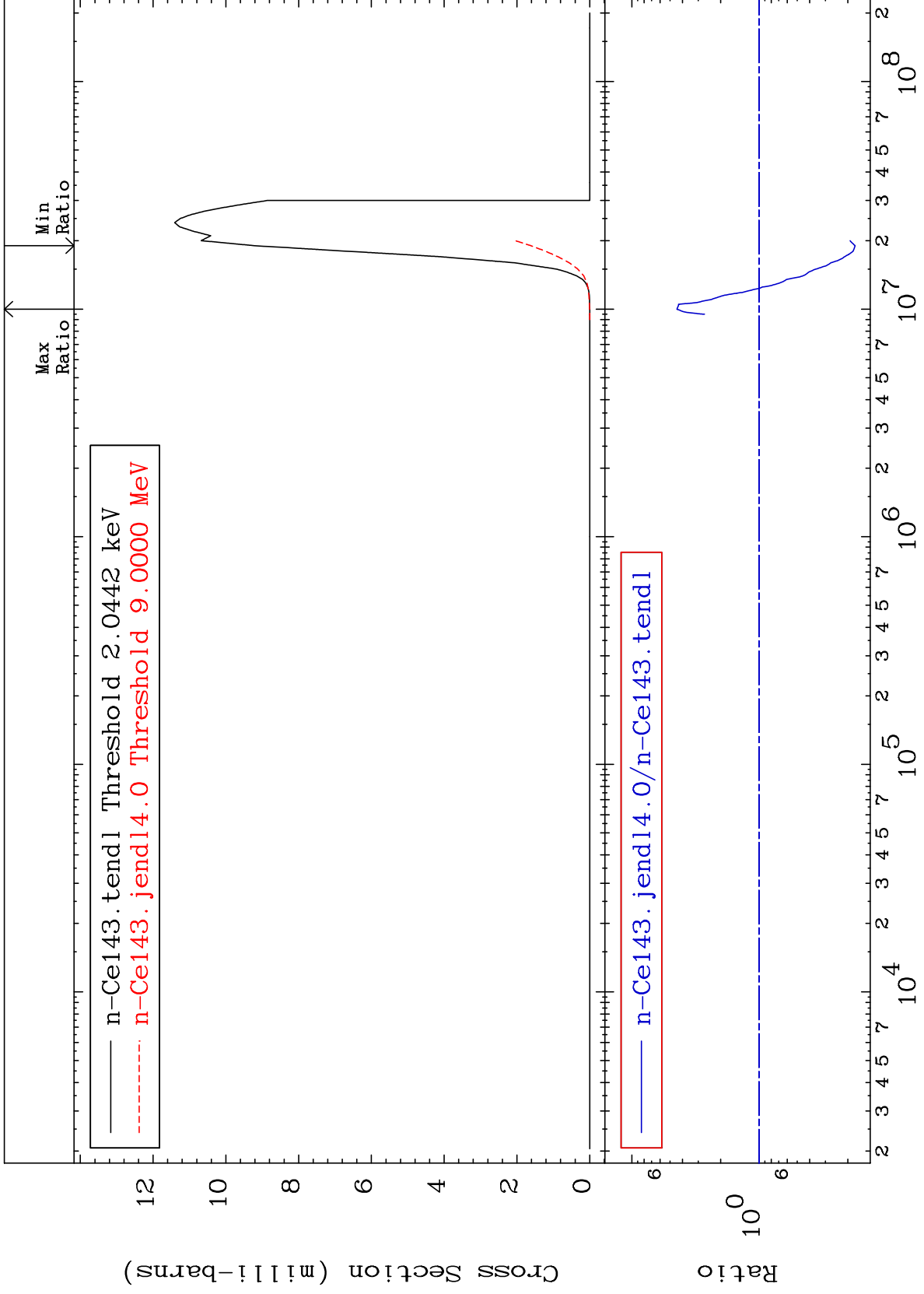




MAT 5846

(n, n') α
Cross Section

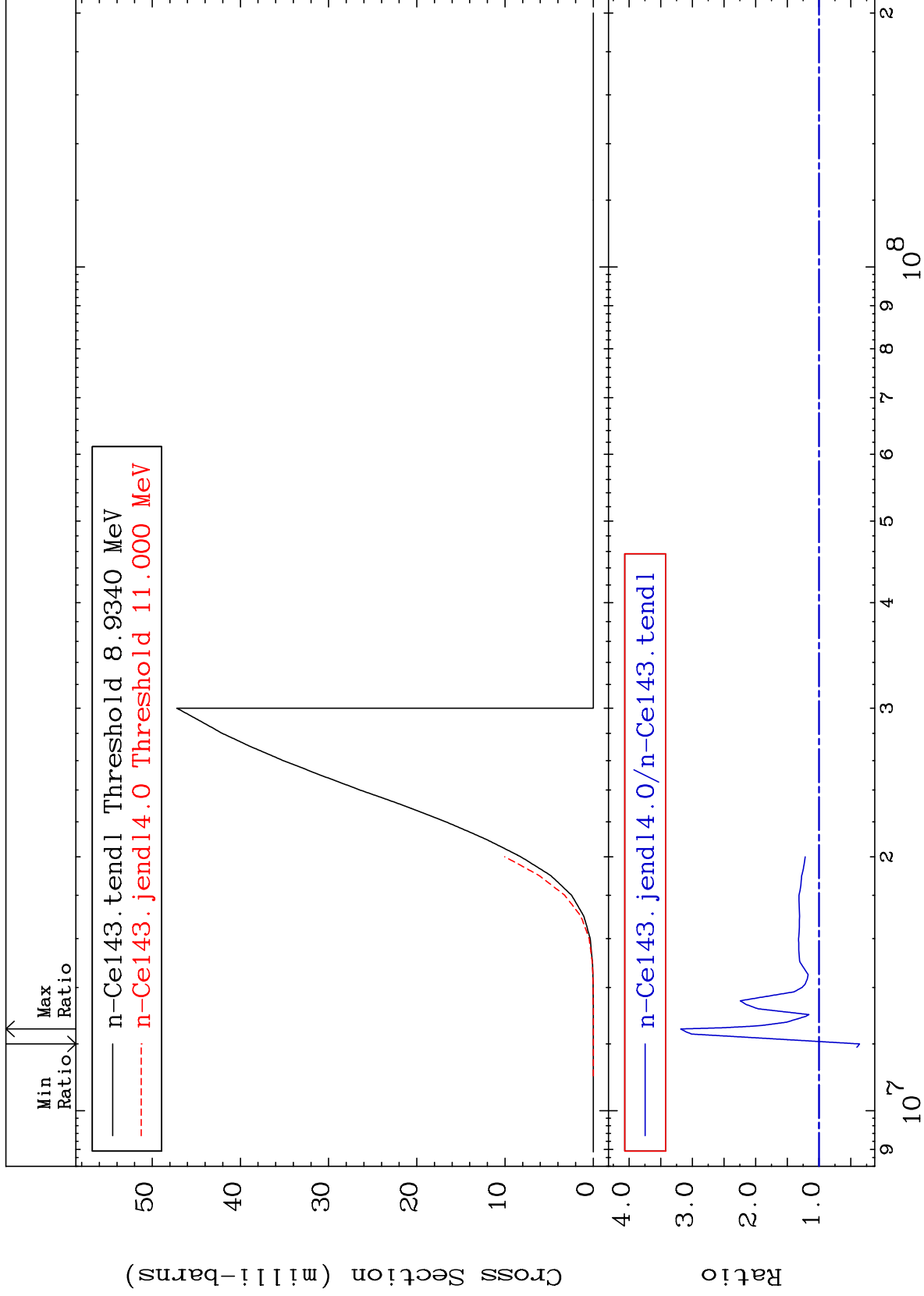
58-Ce-143
-82.45 To 341.6 %



MAT 5846

(n,n') p
Cross Section

58-Ce-143
-63.93 To 218.3 %



7

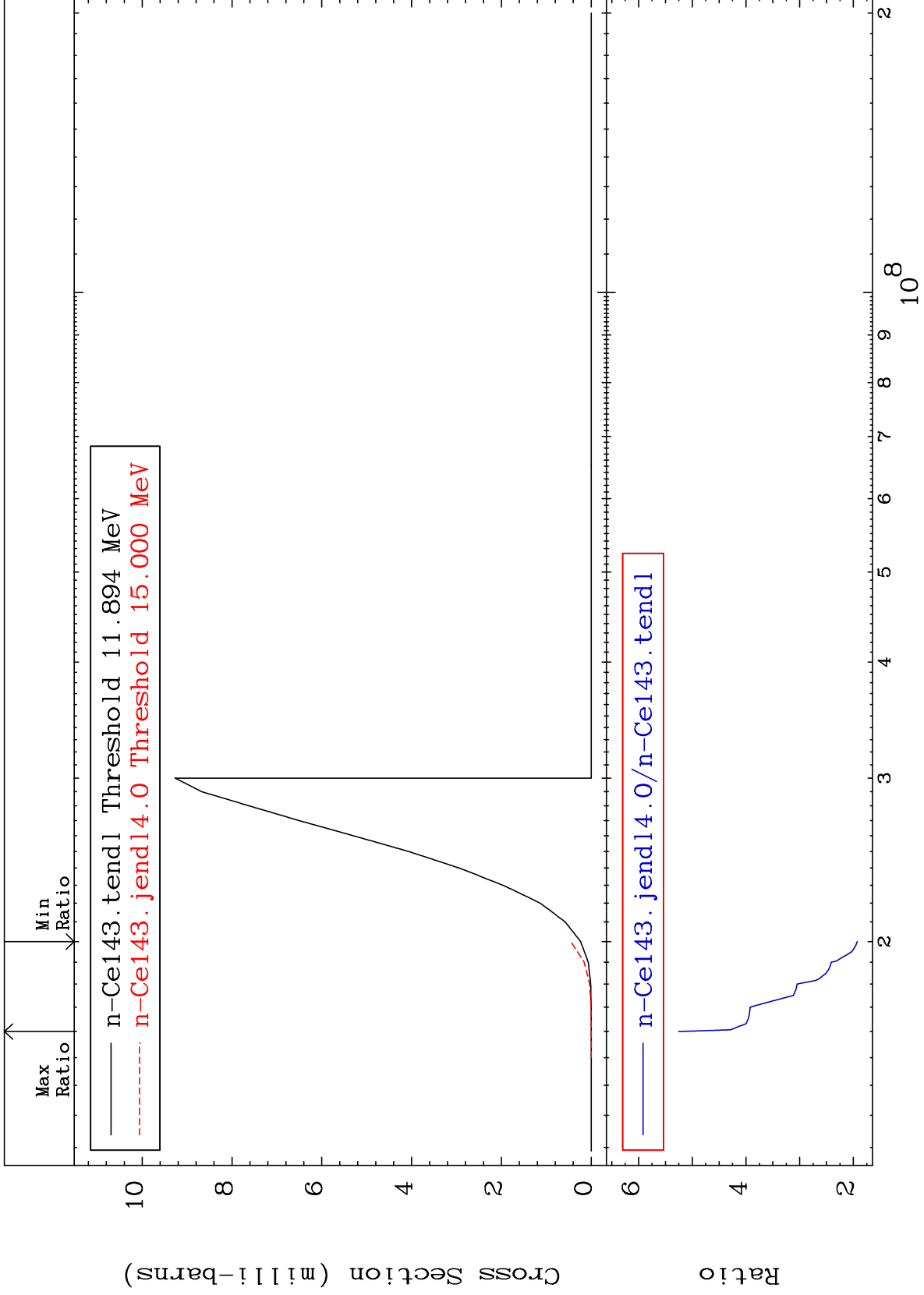
58-Ce-143

58-Ce-143

MAT 5846

(n,n') d
Cross Section

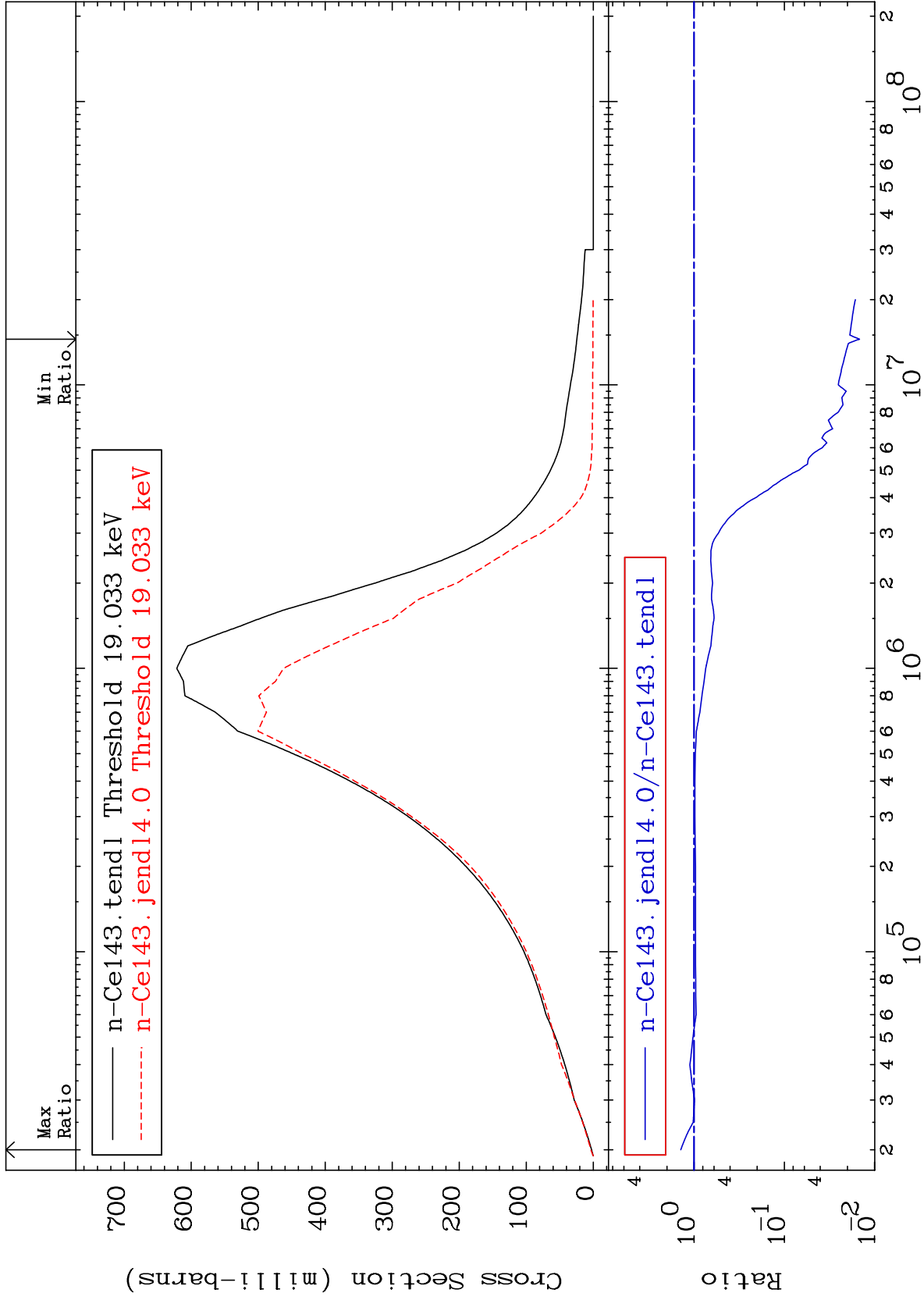
58-Ce-143
92.70 To 425.5 %



MAT 5846

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

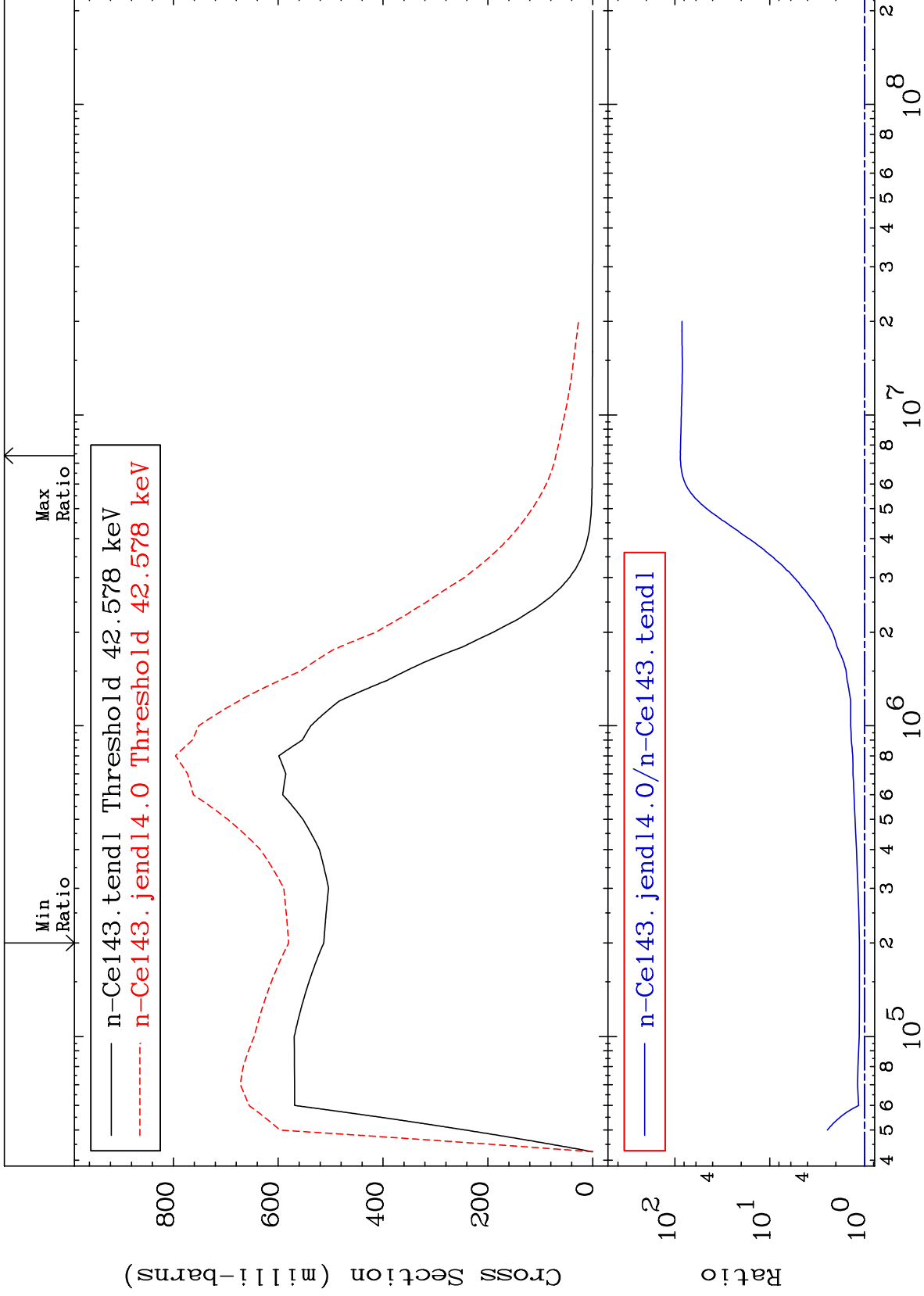
58-Ce-143
-98.53 To 40.61 %



MAT 5846

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

58-Ce-143
13.05 To 8670. %



10

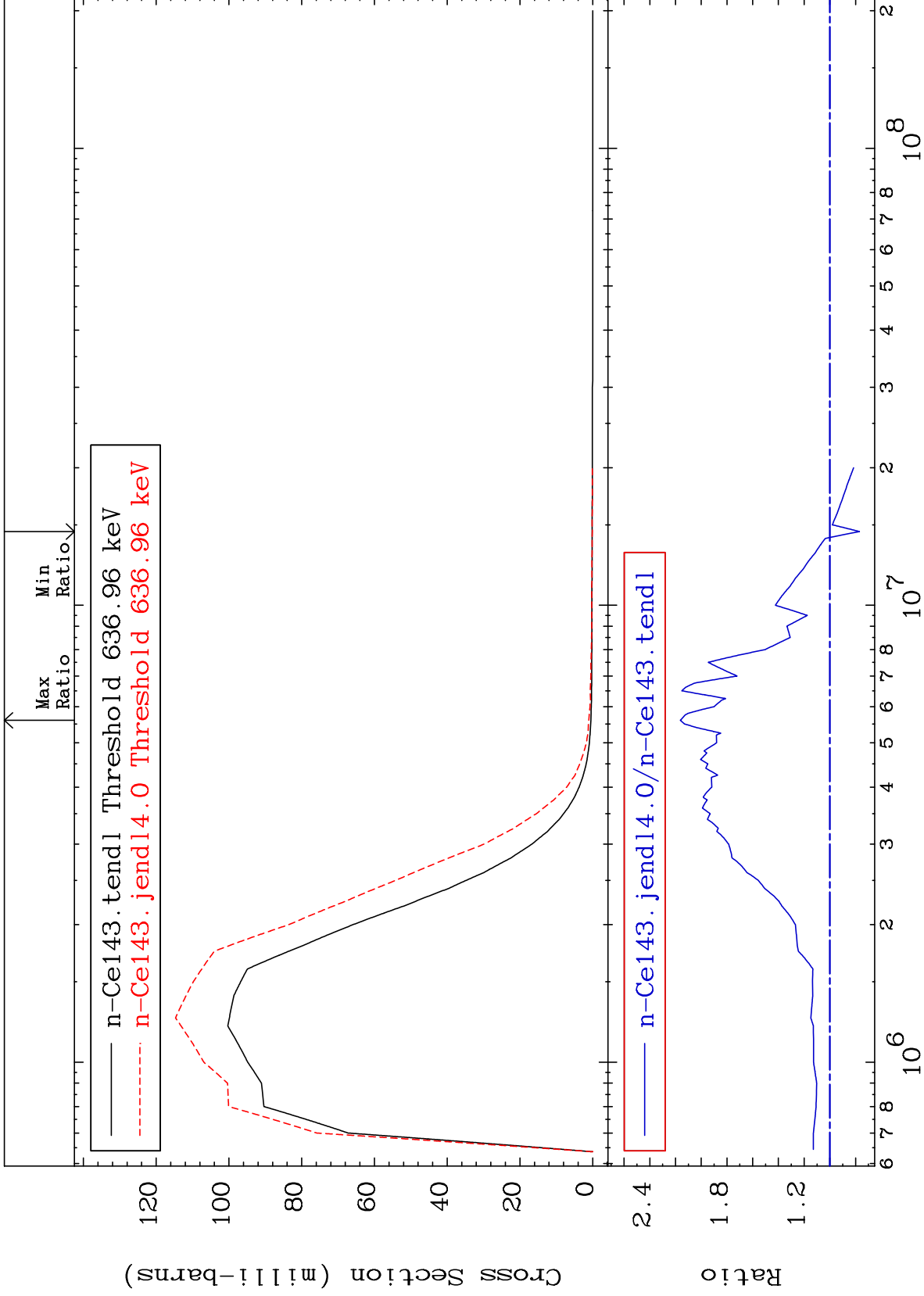
Incident Energy (eV)

58-Ce-143

MAT 5846

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

58-Ce-143
-22.98 To 116.2 %



11

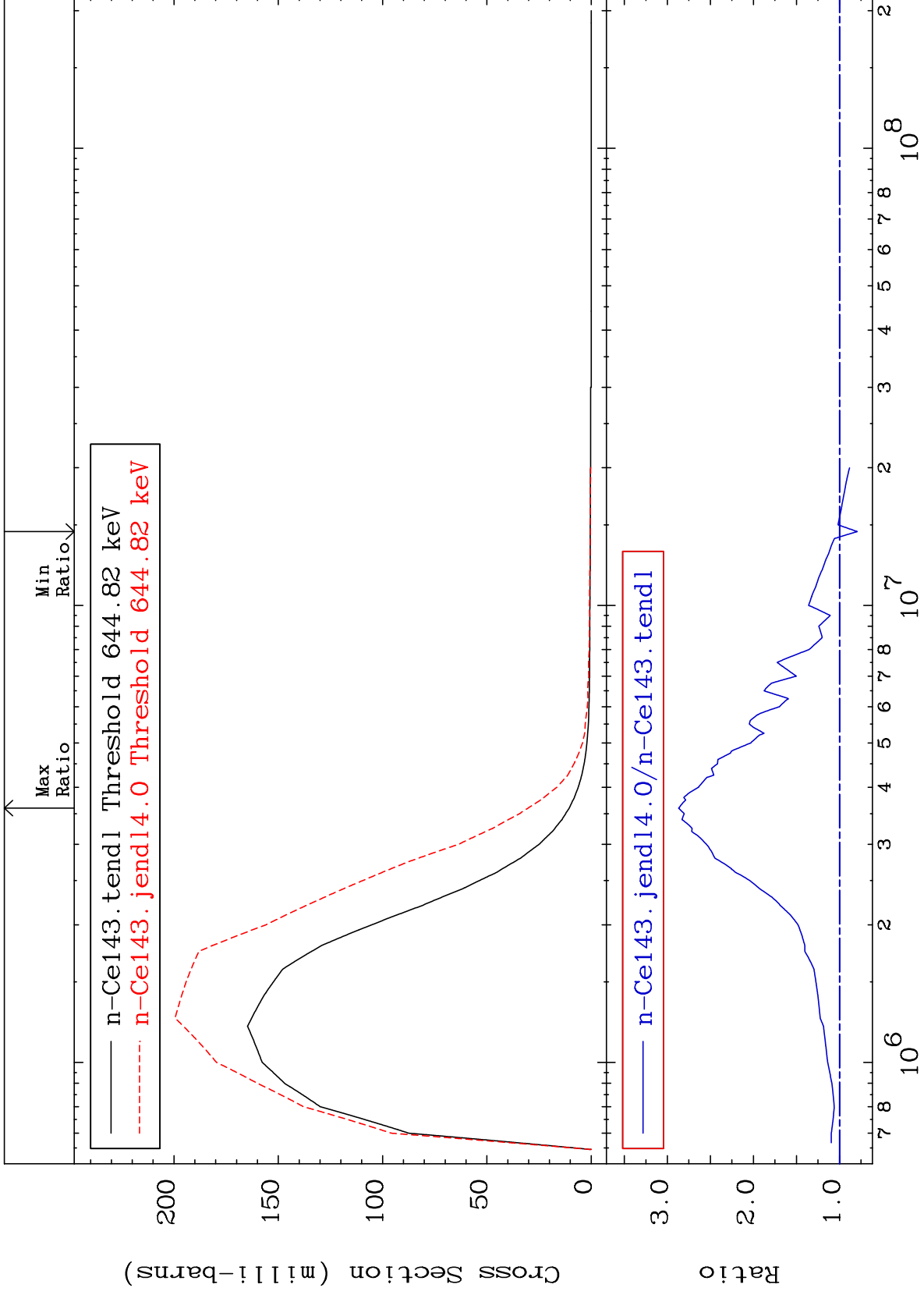
Incident Energy (eV)

58-Ce-143

MAT 5846

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

58-Ce-143
-20.57 To 186.9 %



12

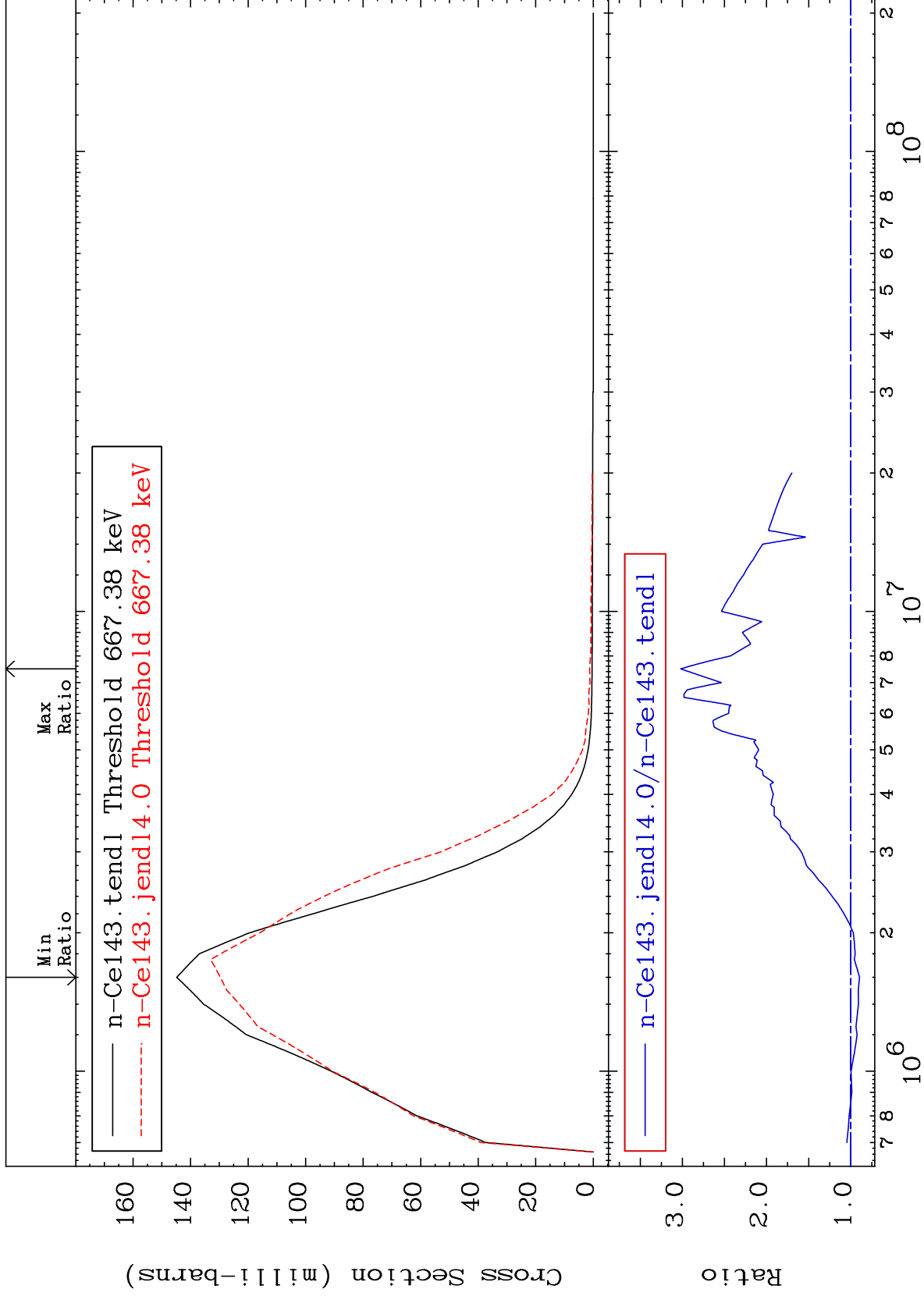
Incident Energy (eV)

58-Ce-143

MAT 5846

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

58-Ce-143
-10.47 To 201.9 %



13

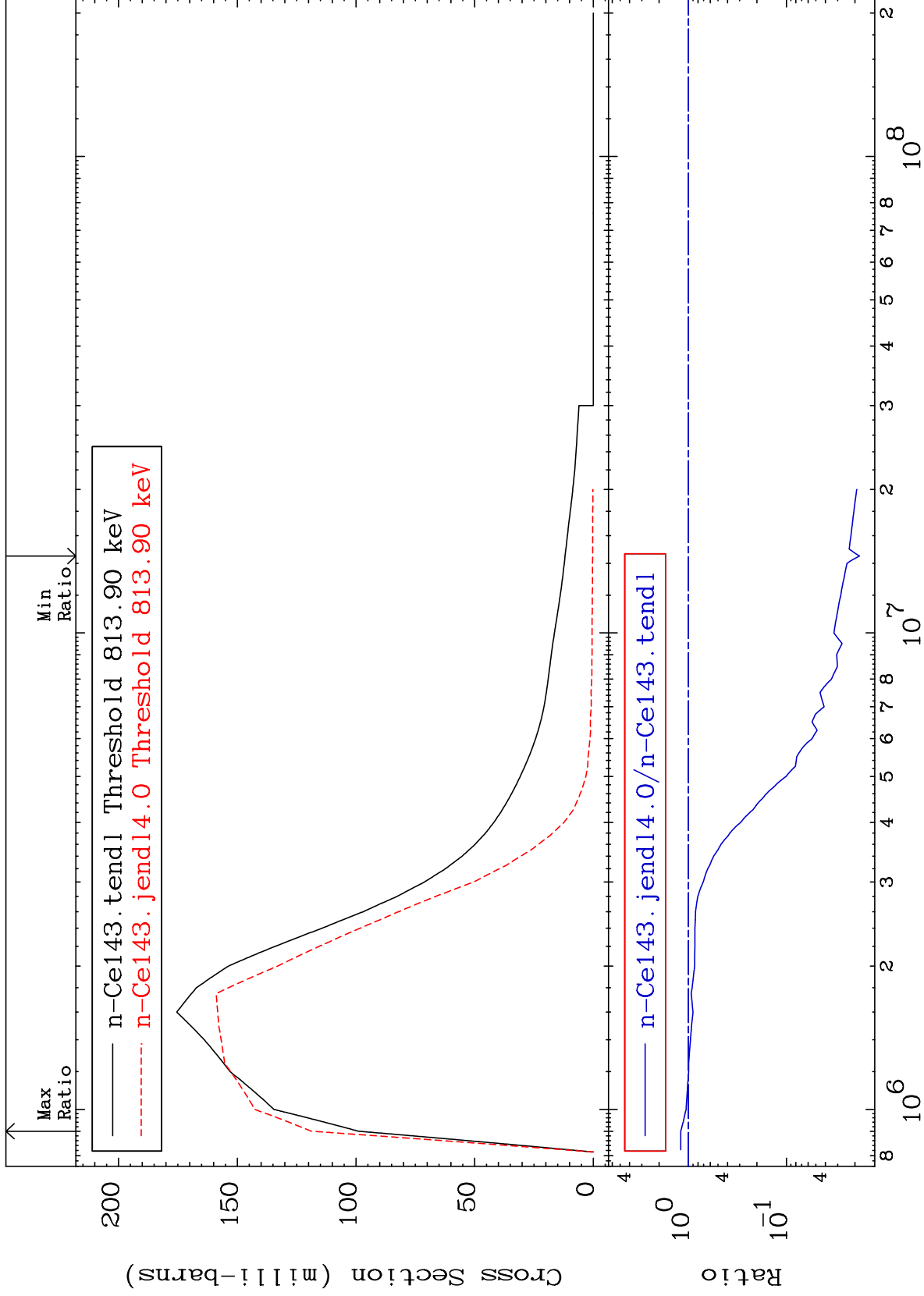
Incident Energy (eV)

58-Ce-143

MAT 5846

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

58-Ce-143
-98.21 To 19.98 %



14

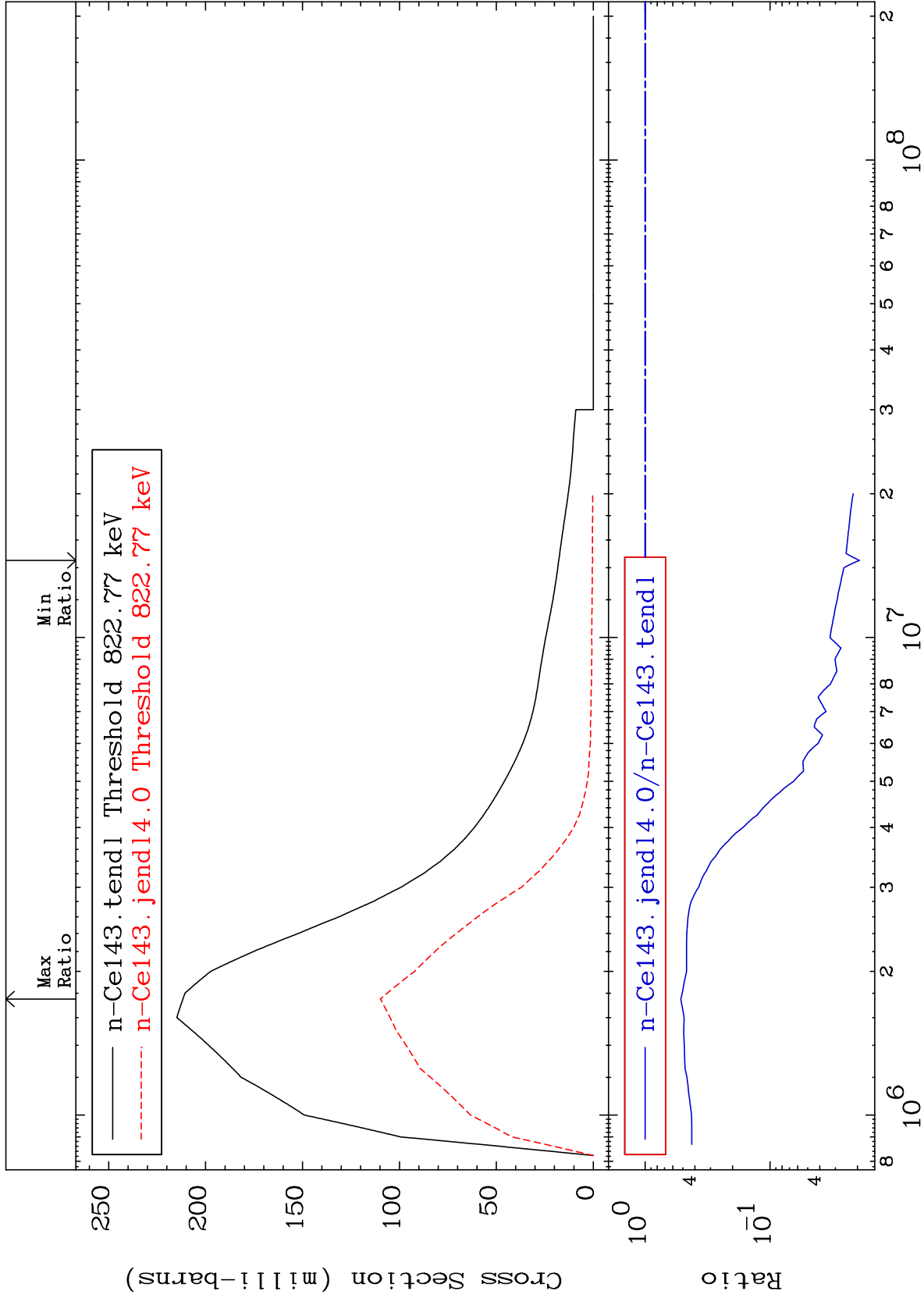
Incident Energy (eV)

58-Ce-143

MAT 5846

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

58-Ce-143
-98.08 To -48.14%



15

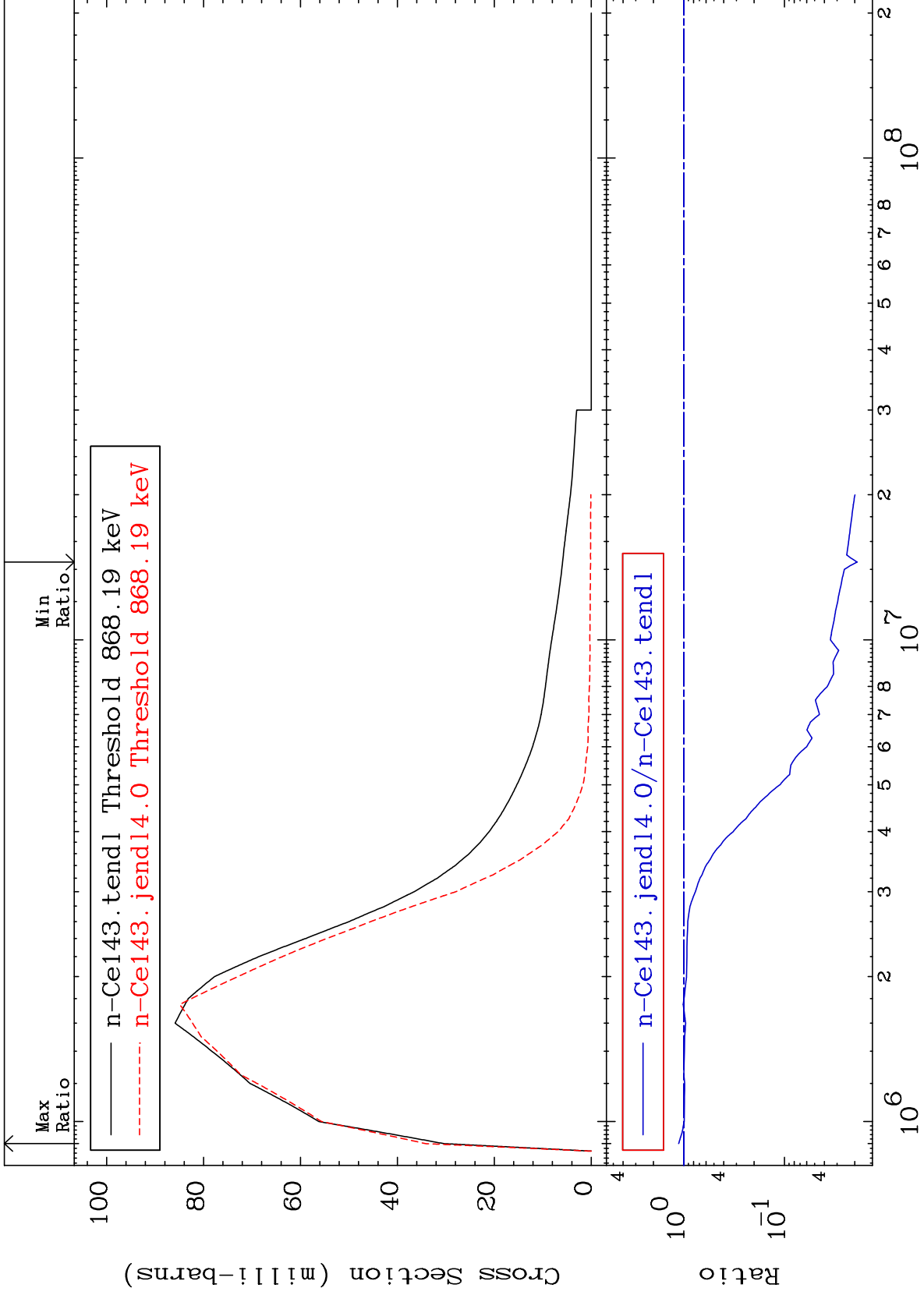
Incident Energy (eV)

58-Ce-143

MAT 5846

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

58-Ce-143
-98.11 To 12.38 %



16

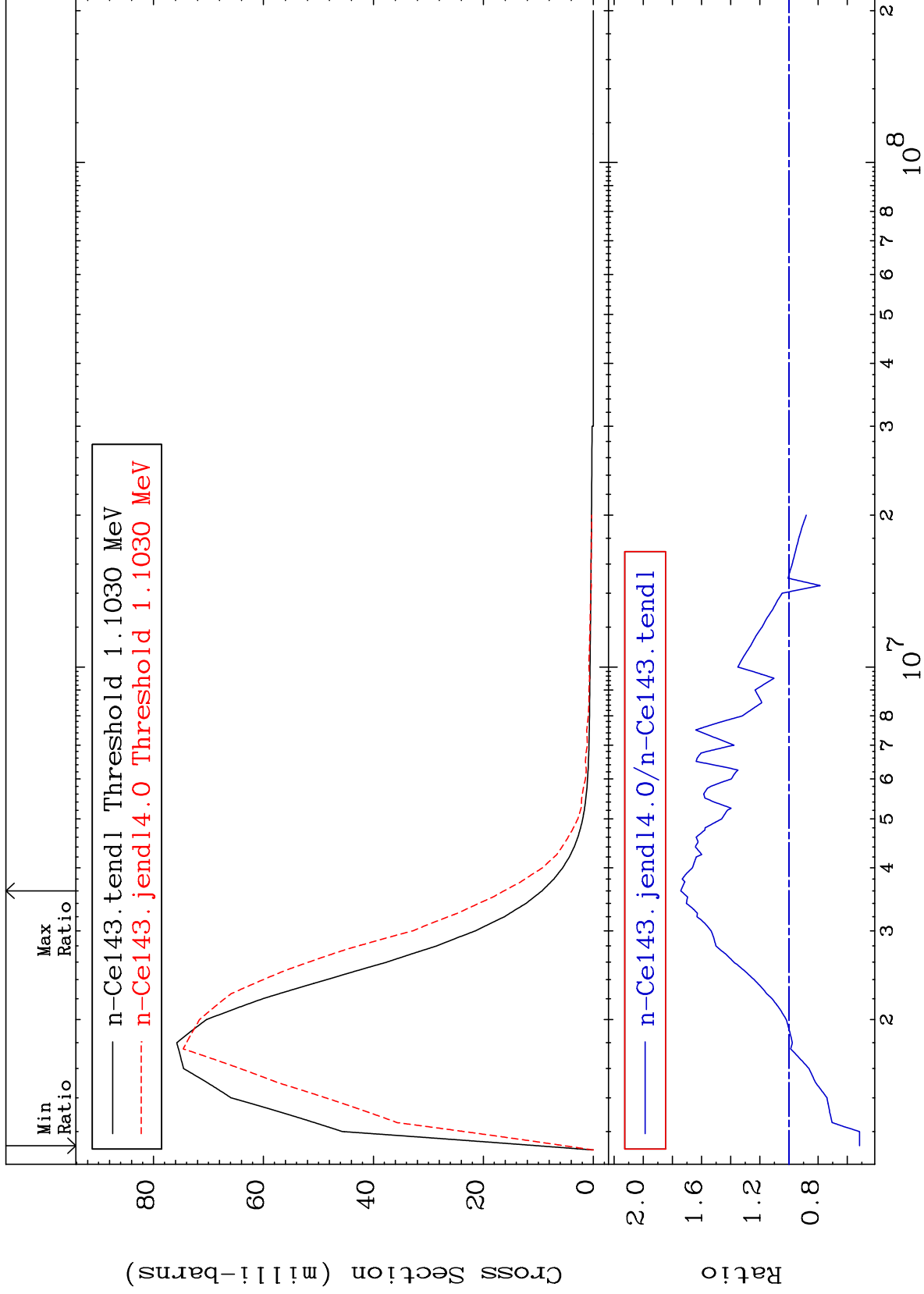
Incident Energy (eV)

58-Ce-143

MAT 5846

MT= 59 (n,n') Level
Cross Section

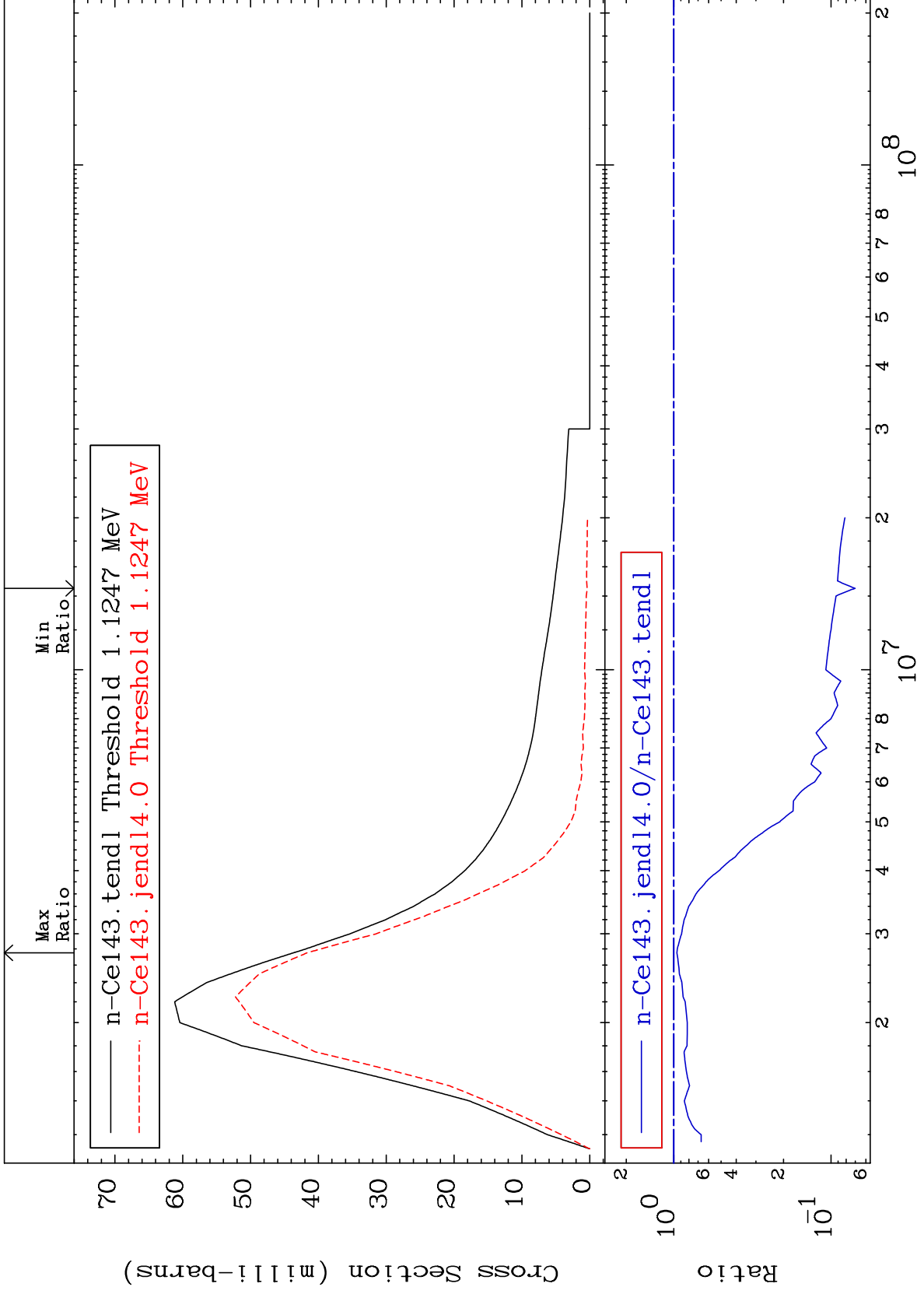
58-Ce-143
-48.45 To 74.25 %



MAT 5846

MT= 60 (n,n') Level
Cross Section

58-Ce-143
-92.98 To -4.621%



18

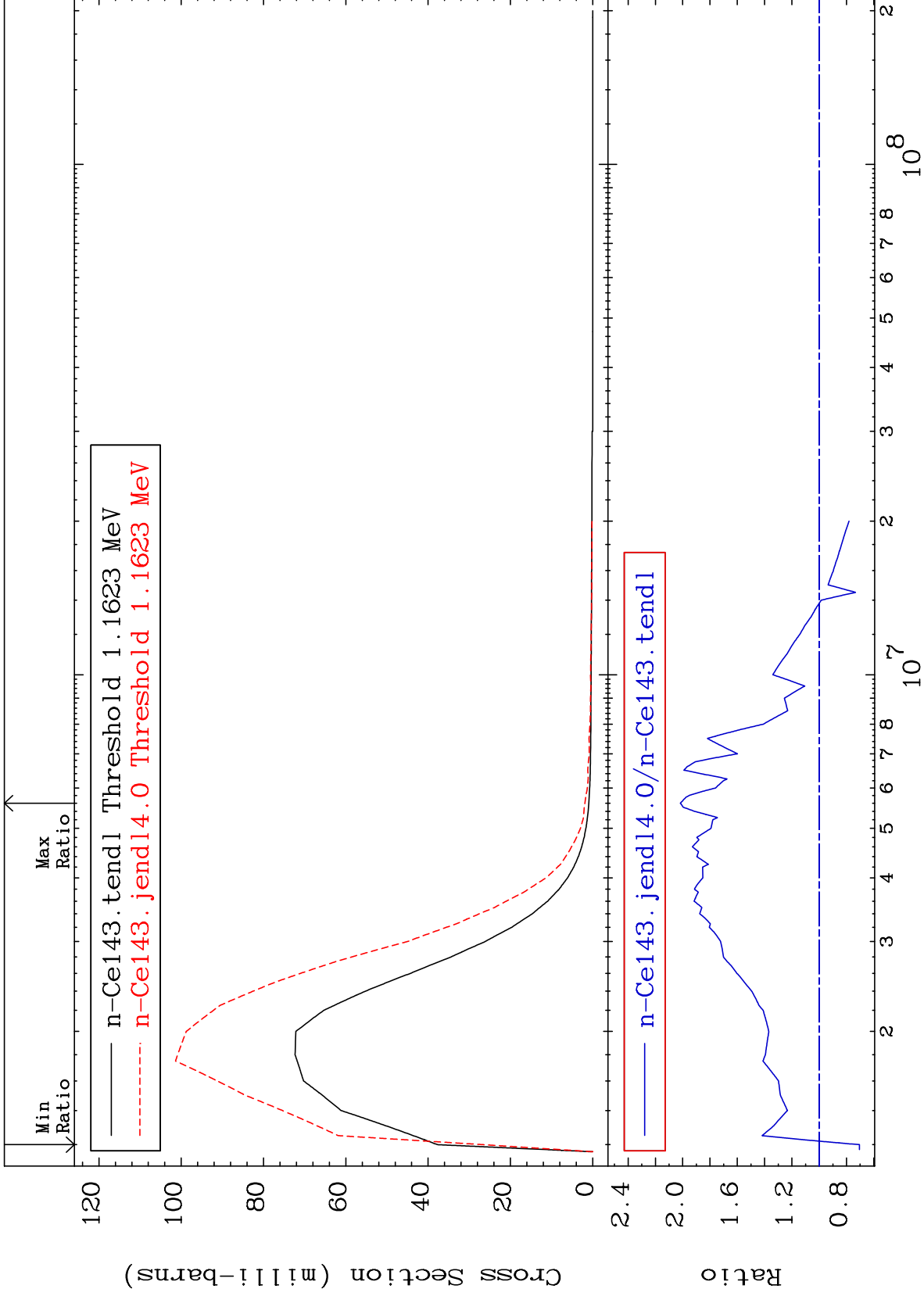
Incident Energy (eV)

58-Ce-143

MAT 5846

MT= 61 (n,n') Level
Cross Section

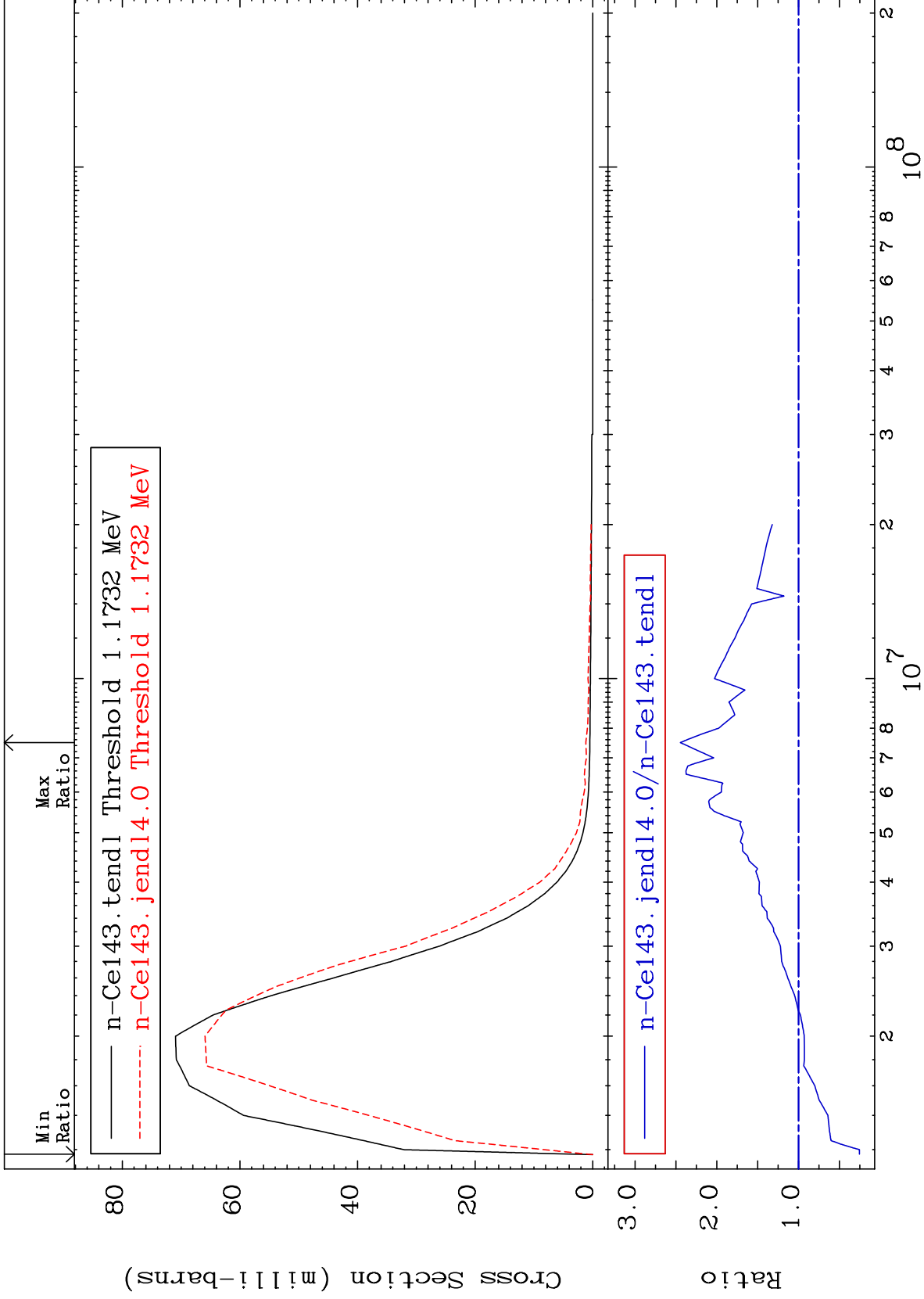
58-Ce-143
-29.47 To 101.7 %



MAT 5846

MT= 62 (n,n') Level
Cross Section

58-Ce-143
-74.56 To 144.5 %



20

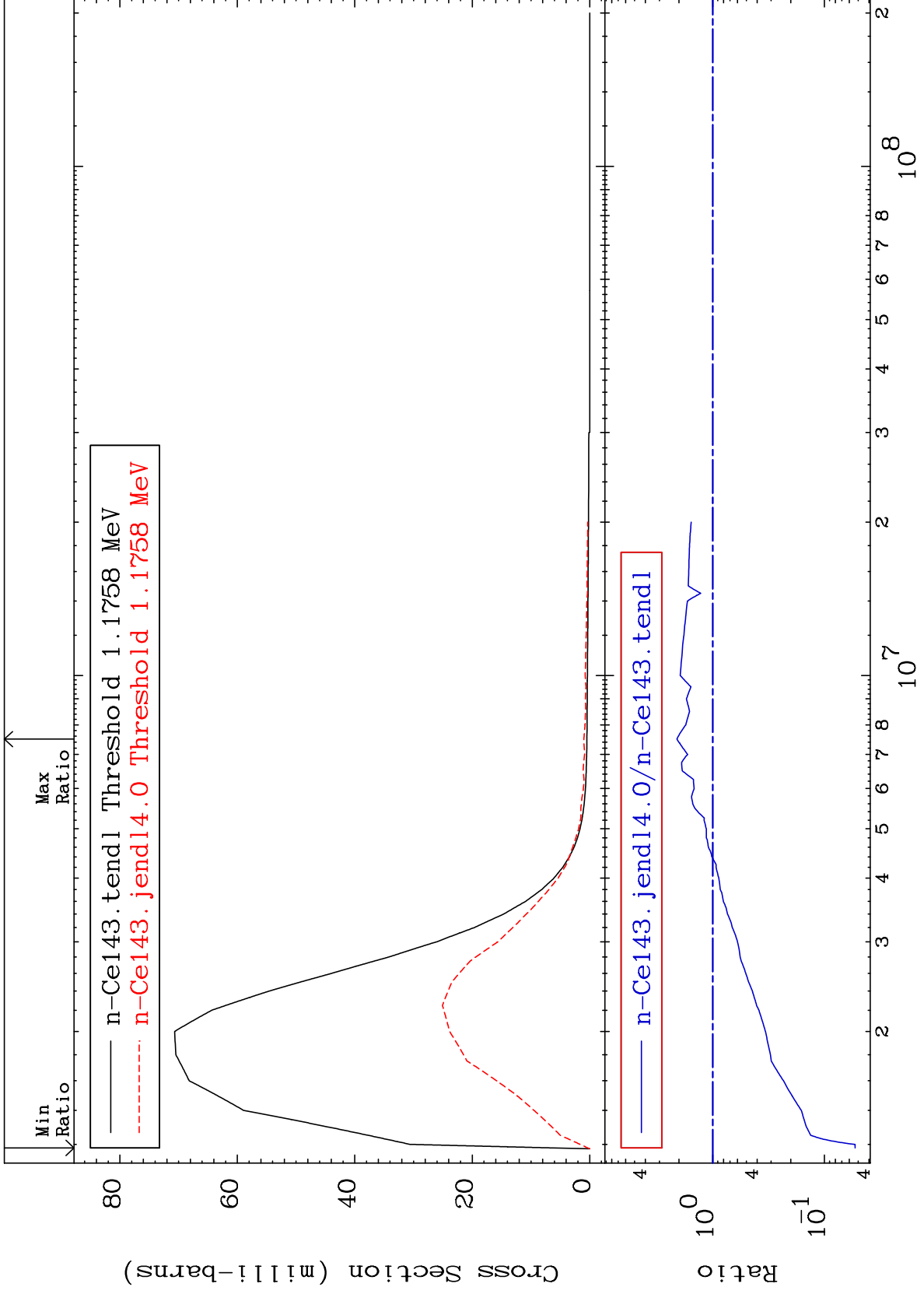
Incident Energy (eV)

58-Ce-143

MAT 5846

MT= 63 (n,n') Level
Cross Section

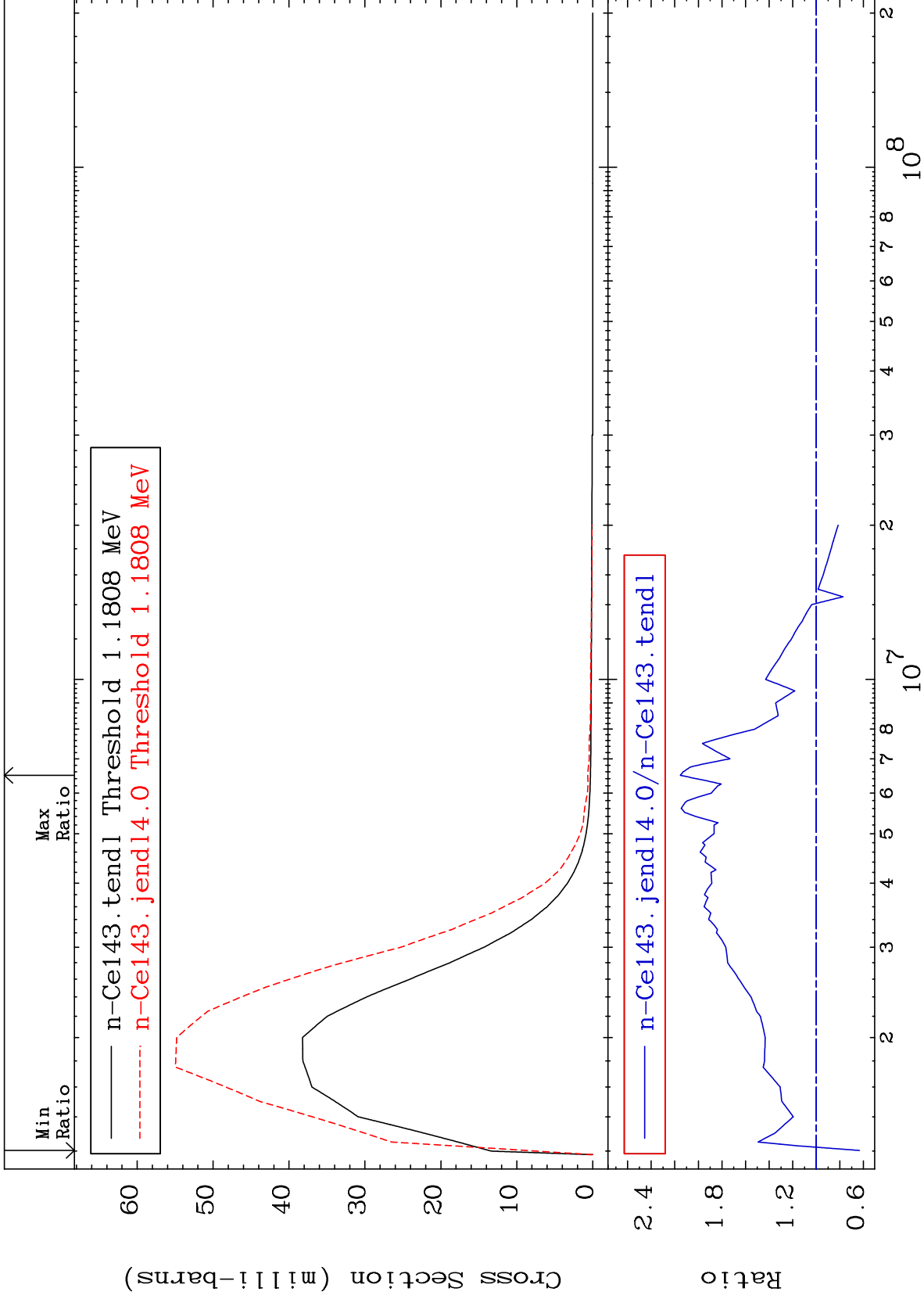
58-Ce-143
-94.68 To 109.0 %



MAT 5846

MT= 64 (n,n') Level
Cross Section

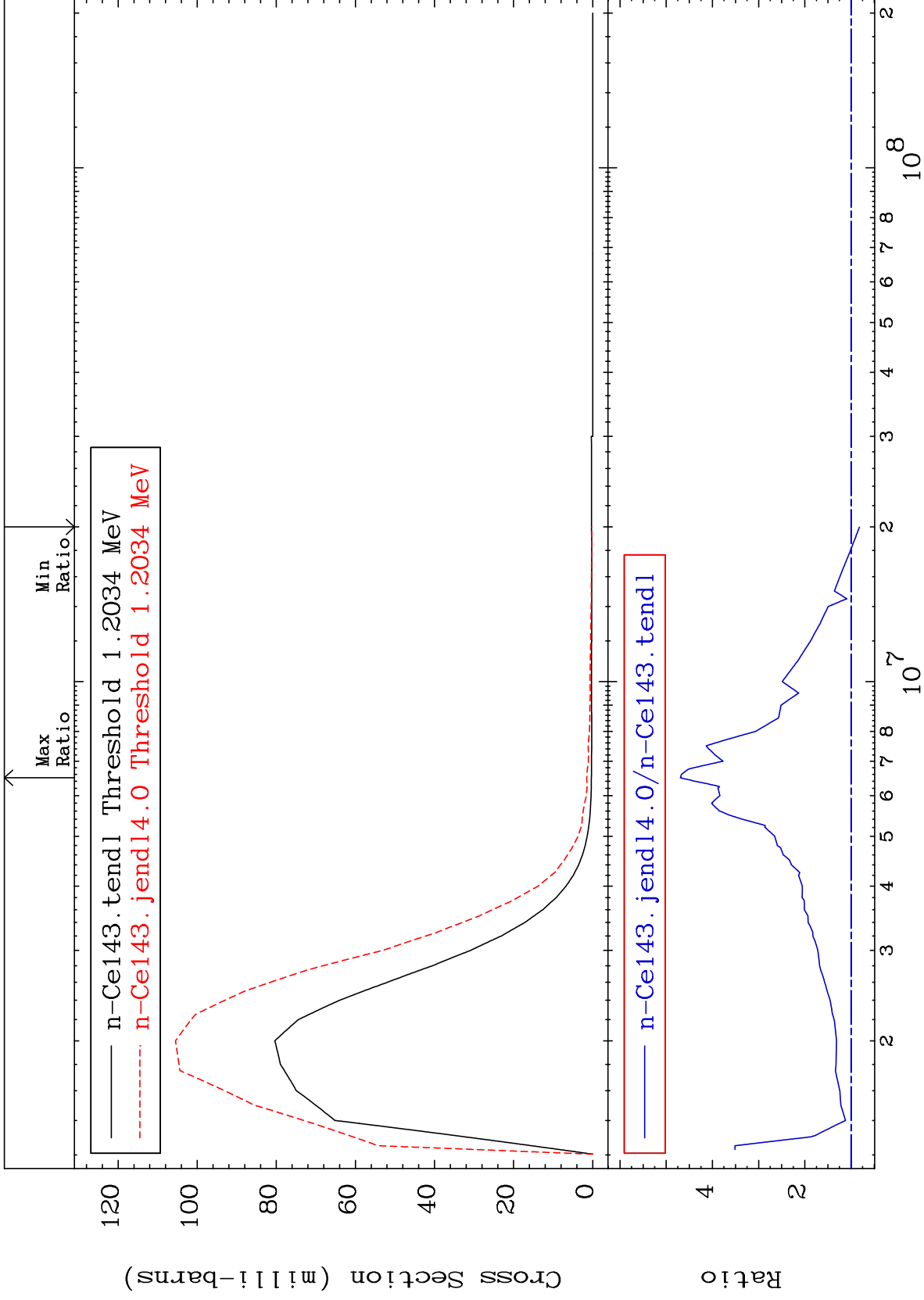
58-Ce-143
-36.57 To 115.3 %



MAT 5846

MT= 65 (n,n') Level
Cross Section

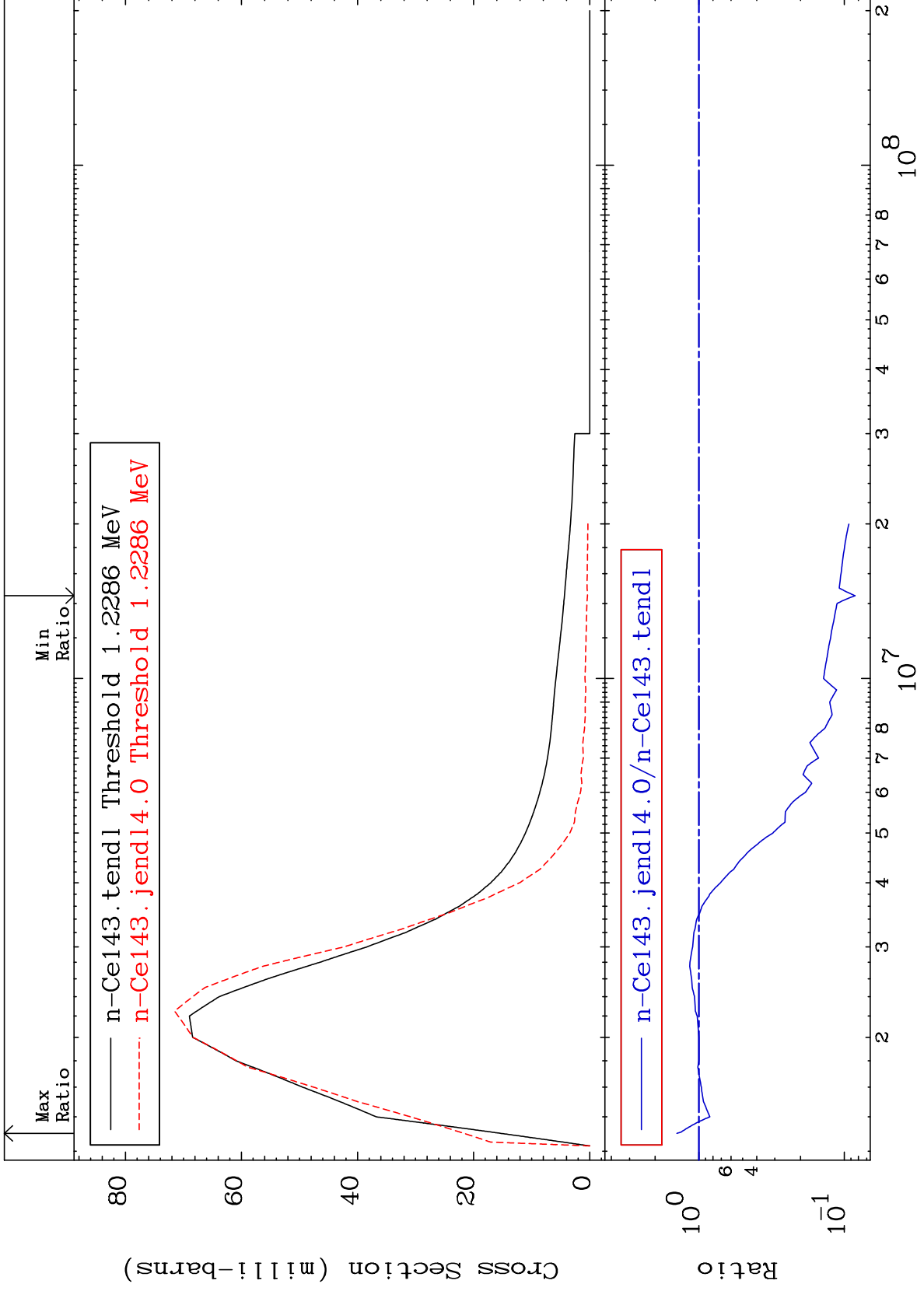
58-Ce-143
-18.19 To 369.4 %



MAT 5846

MT= 66 (n,n') Level
Cross Section

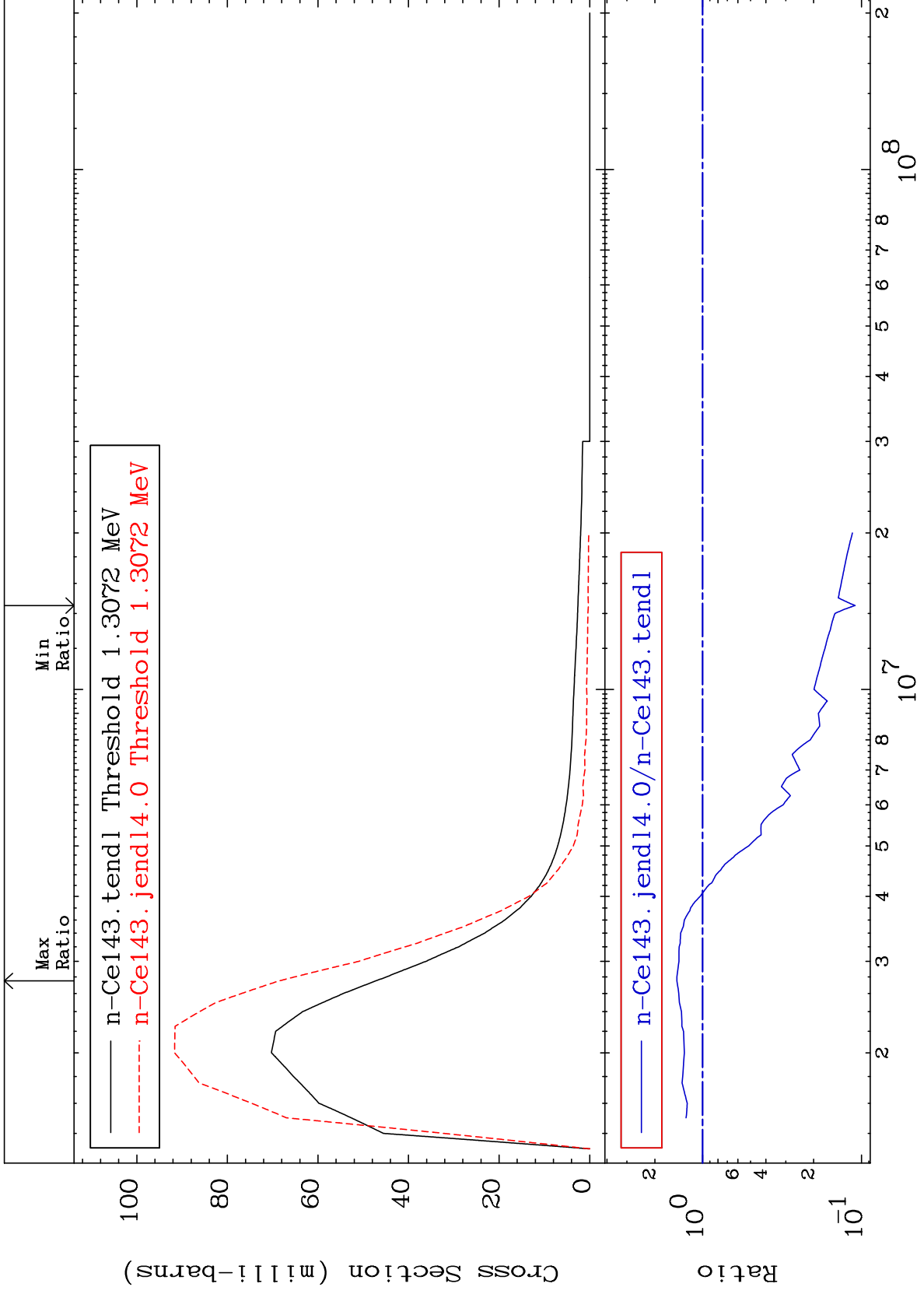
58-Ce-143
-91.58 To 41.51 %



MAT 5846

MT= 67 (n,n') Level
Cross Section

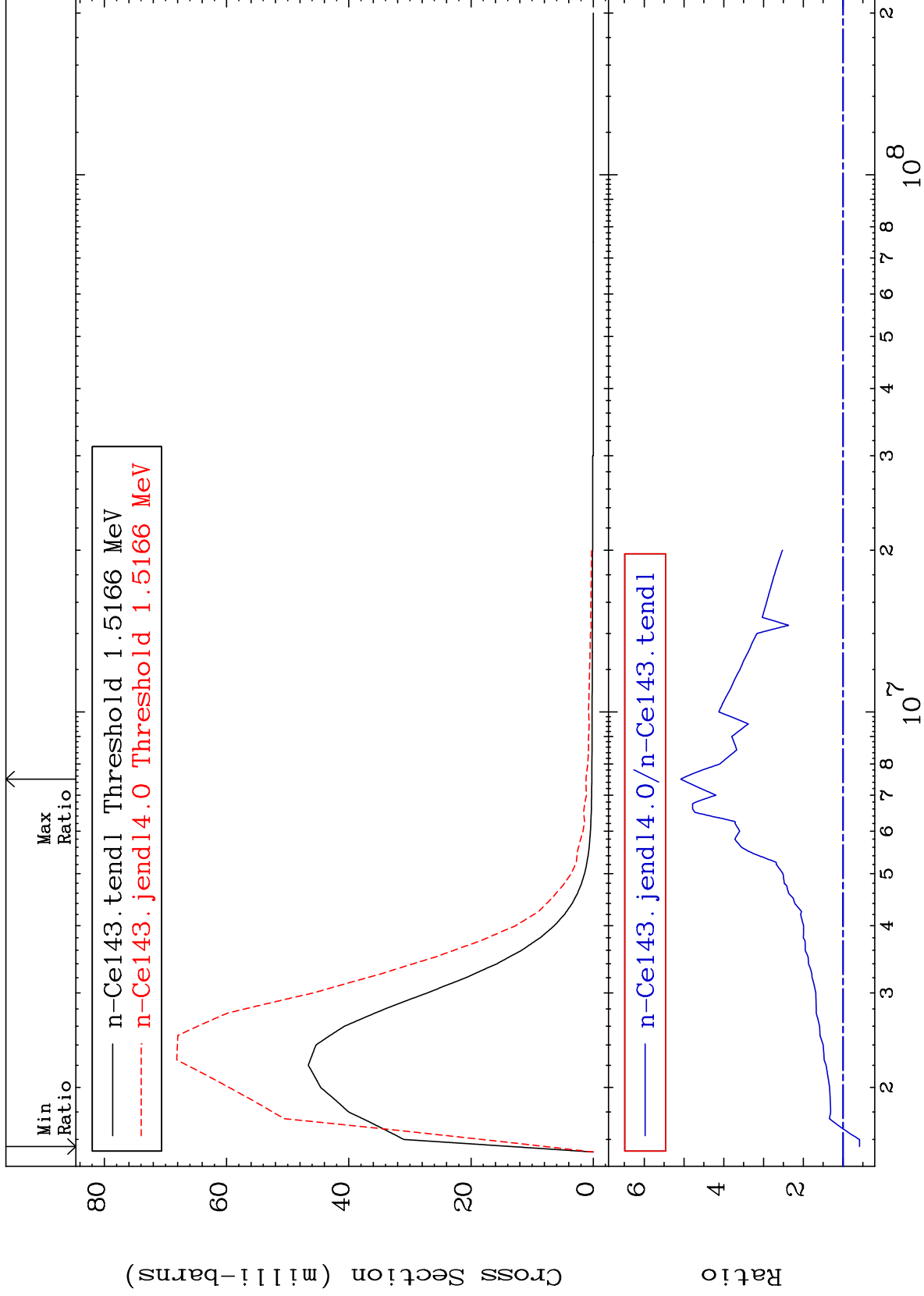
58-Ce-143
-89.03 To 45.19 %



MAT 5846

MT= 68 (n,n') Level
Cross Section

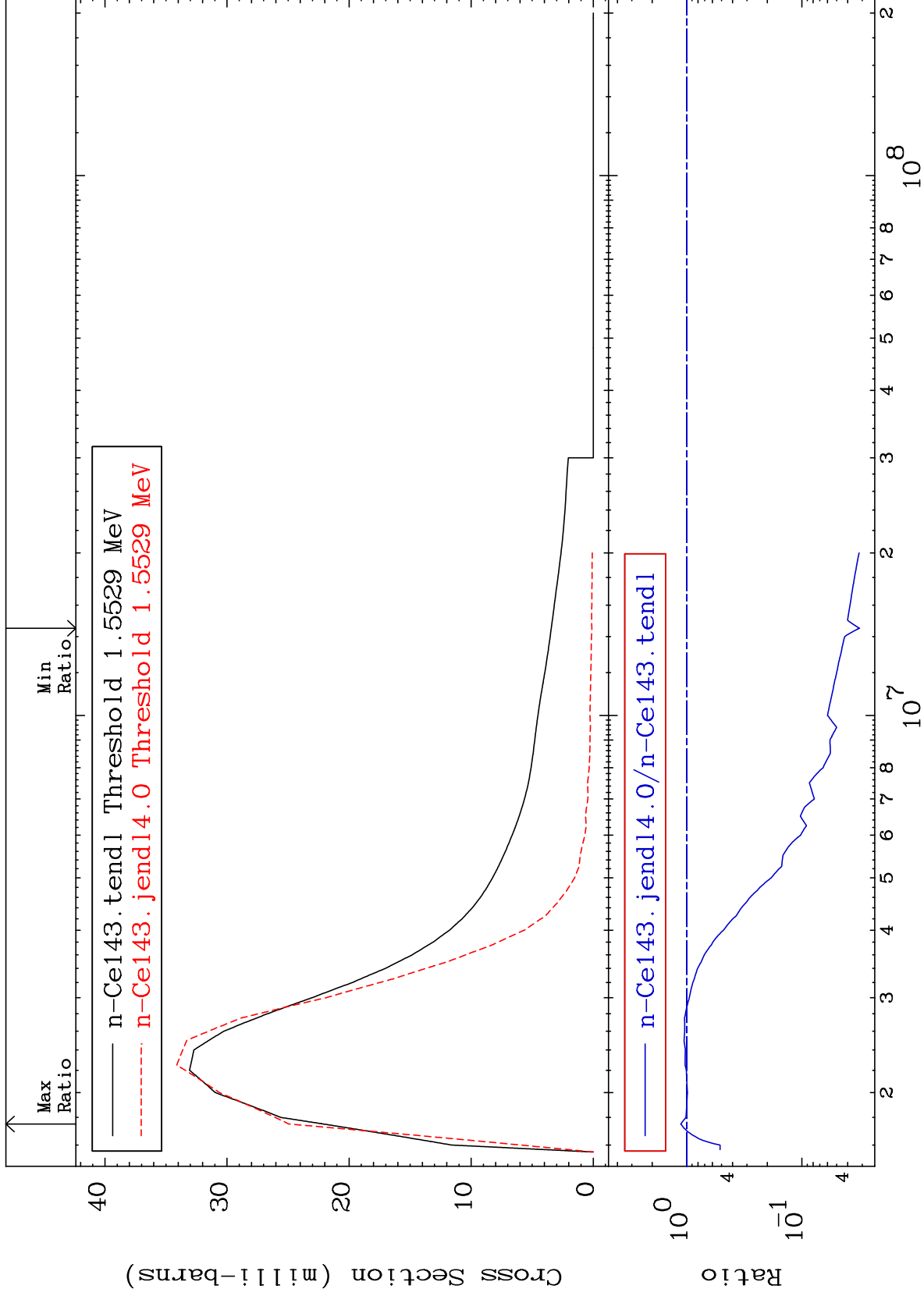
58-Ce-143
-41.62 To 408.1 %



MAT 5846

MT= 69 (n,n') Level
Cross Section

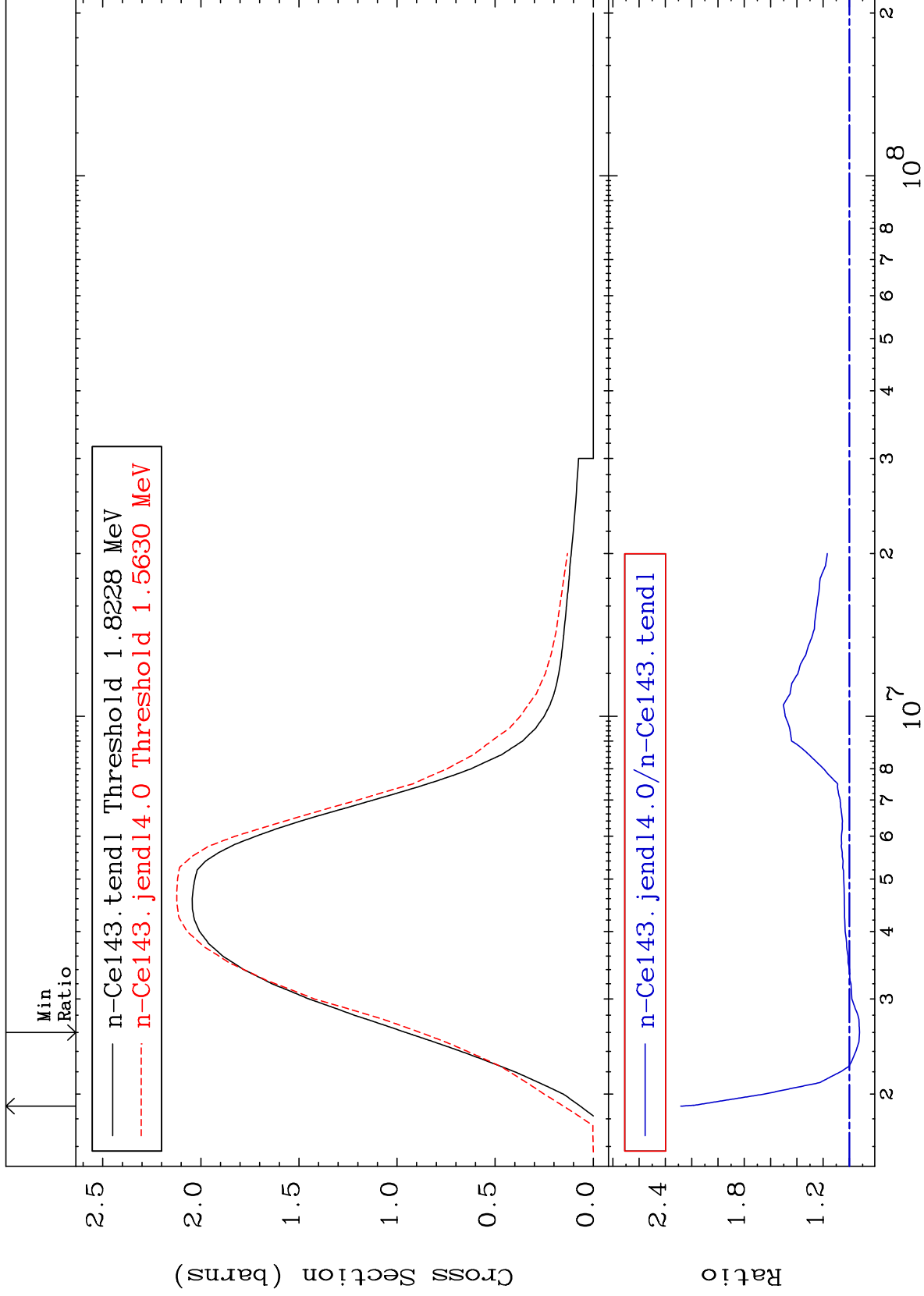
58-Ce-143
-96.84 To 12.78 %



MAT 5846

(n, n') Continuum
Cross Section

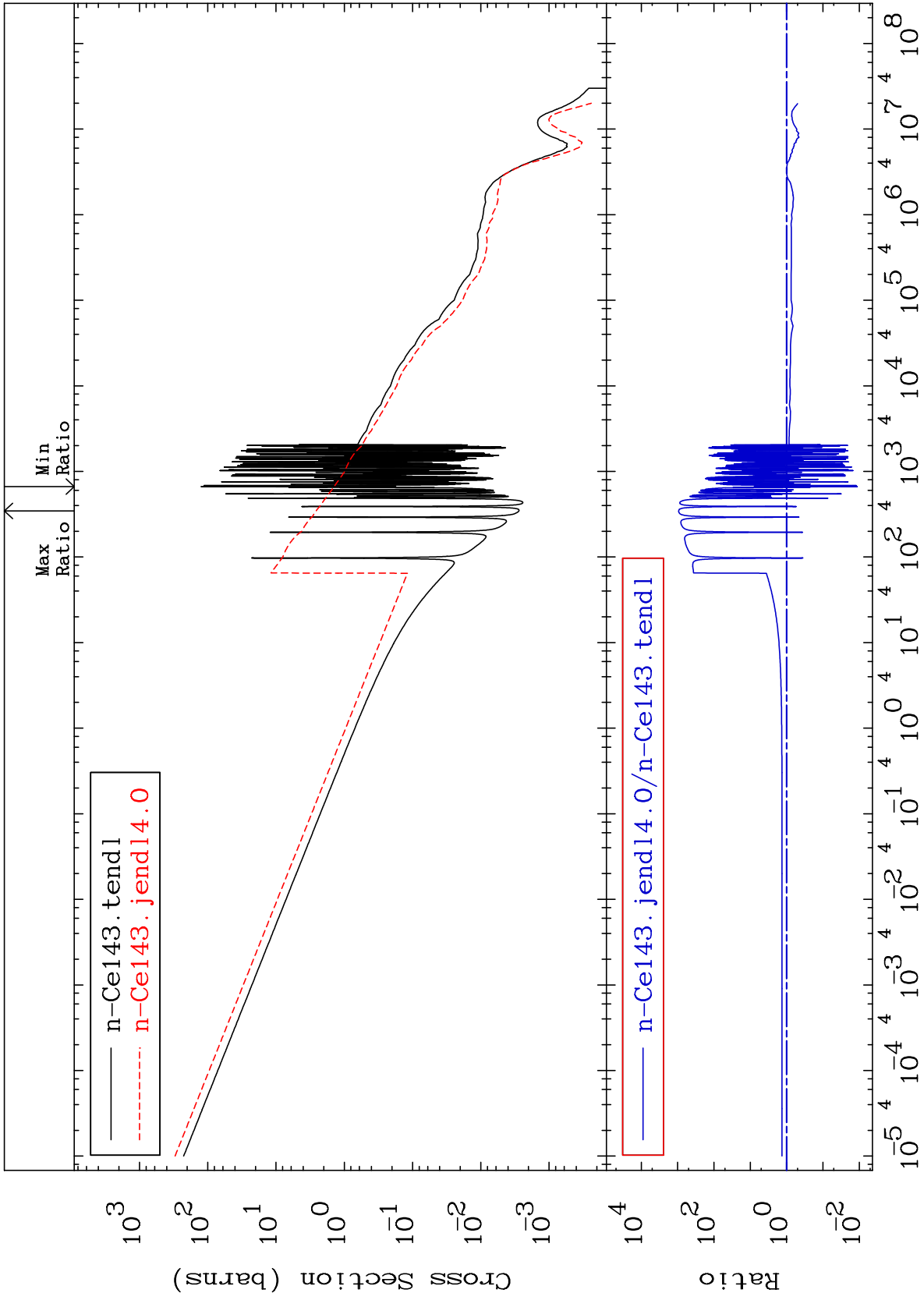
58-Ce-143
-7.683 To 128.3 %



MAT 5846

(n, γ)
Cross Section

58-Ce-143
-98.87 To 9999. %



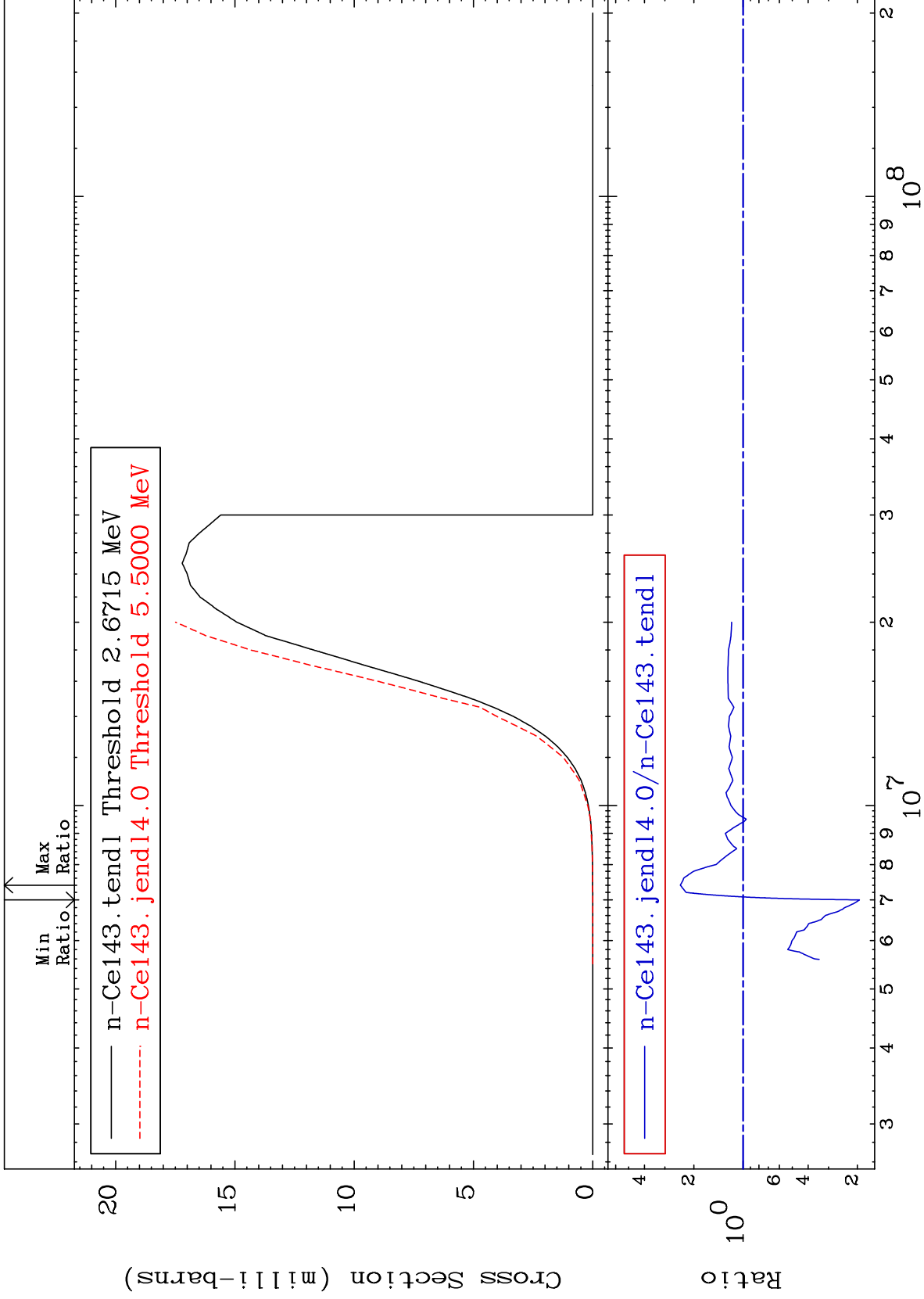
MAT 5846

(n,p)

58-Ce-143

Cross Section

-80.60 To 141.6 %



30

58-Ce-143

58-Ce-143

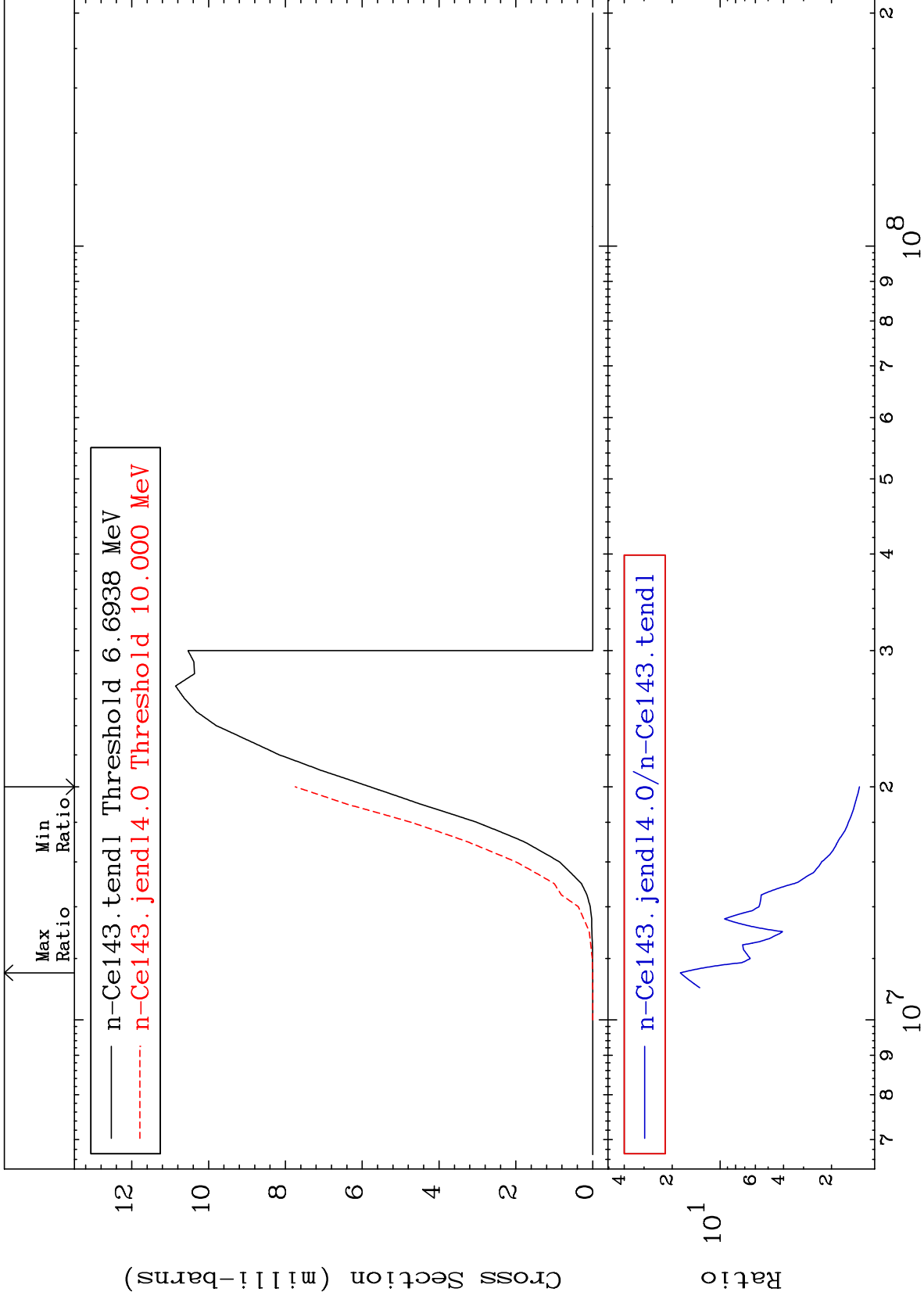
MAT 5846

(n, d)

58-Ce-143

Cross Section

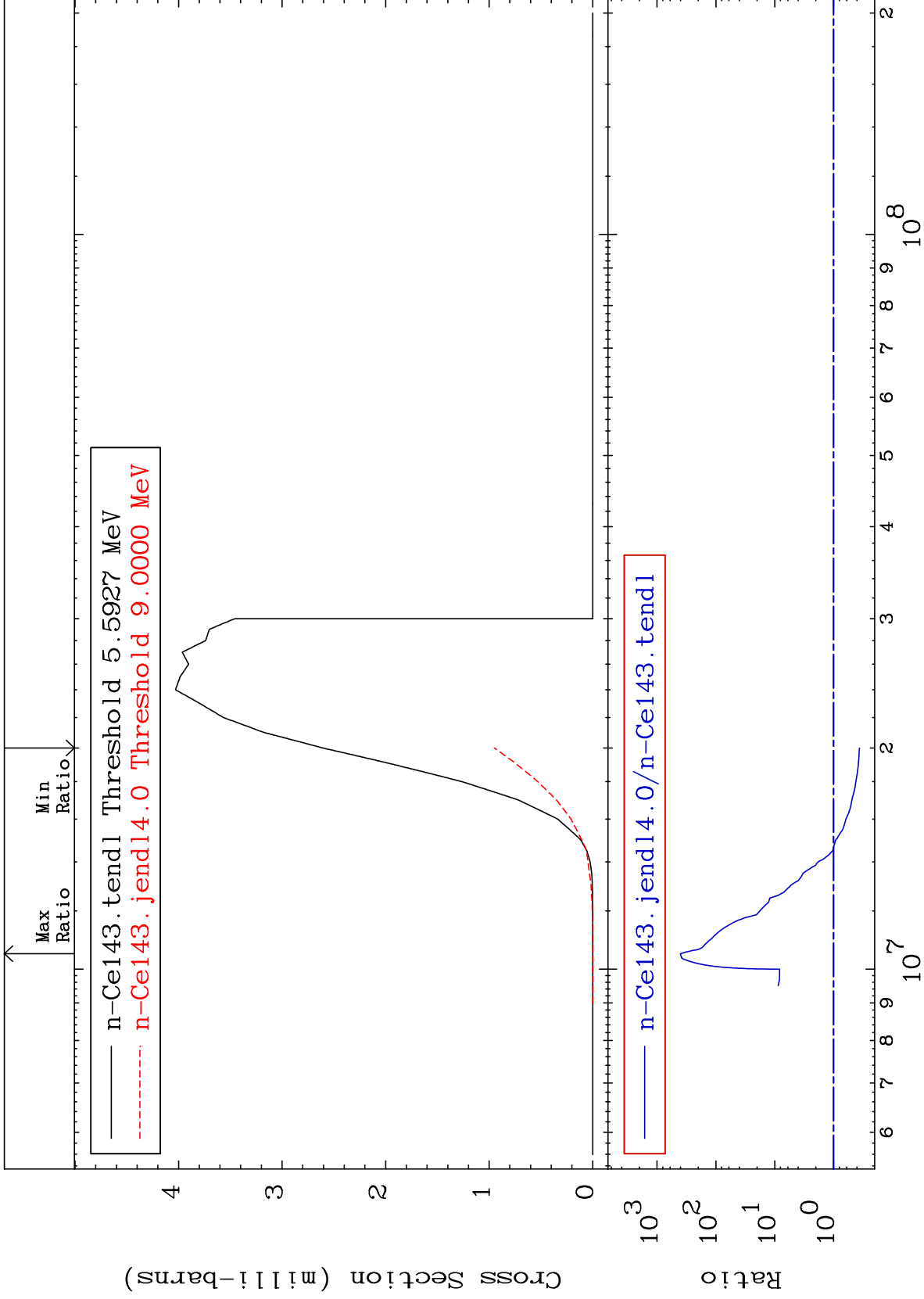
33.59 To 1677. %



31

Incident Energy (eV)

58-Ce-143



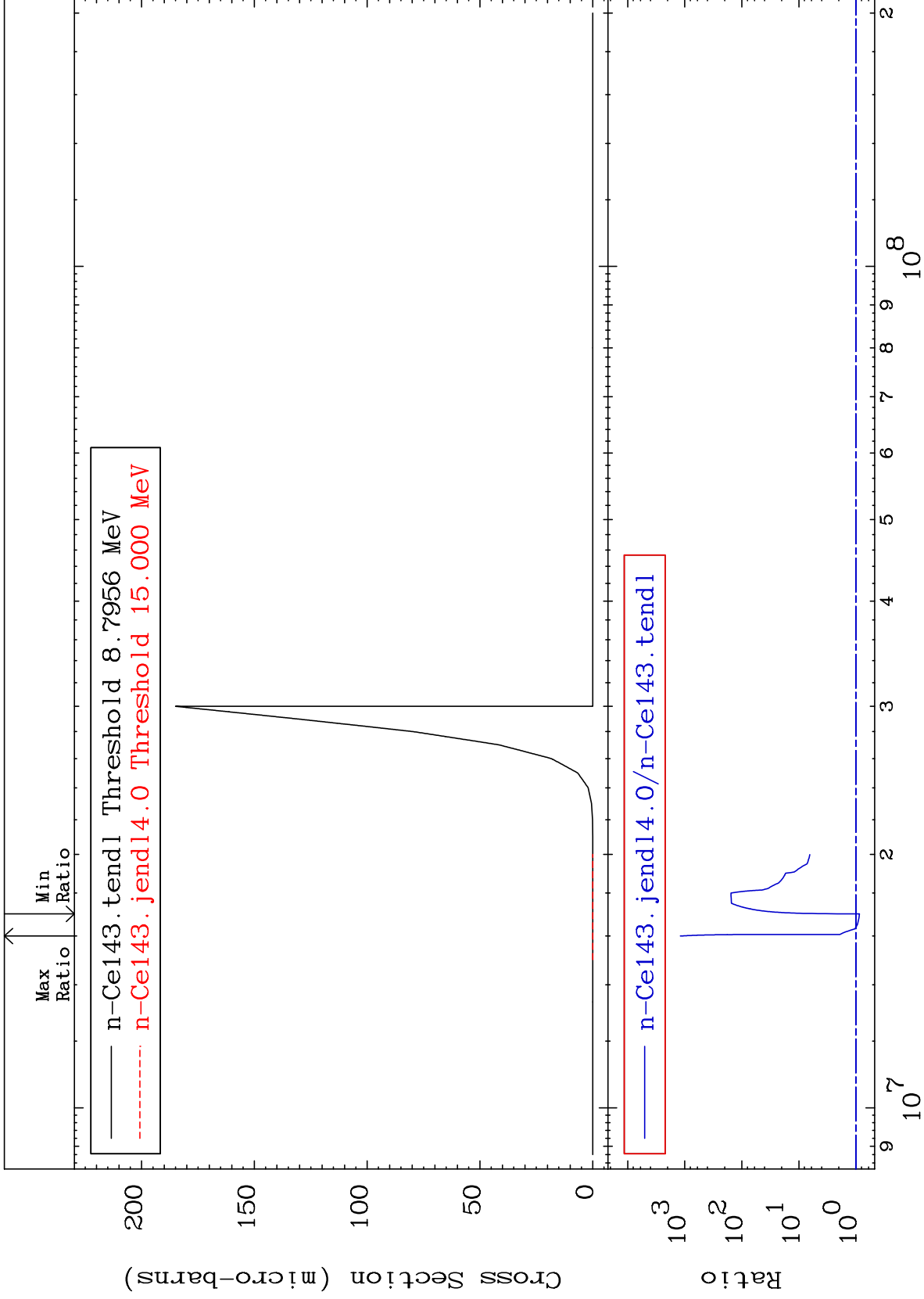
MAT 5846

(n, He-3)

58-Ce-143

Cross Section

-13.04 To 9999. %



33

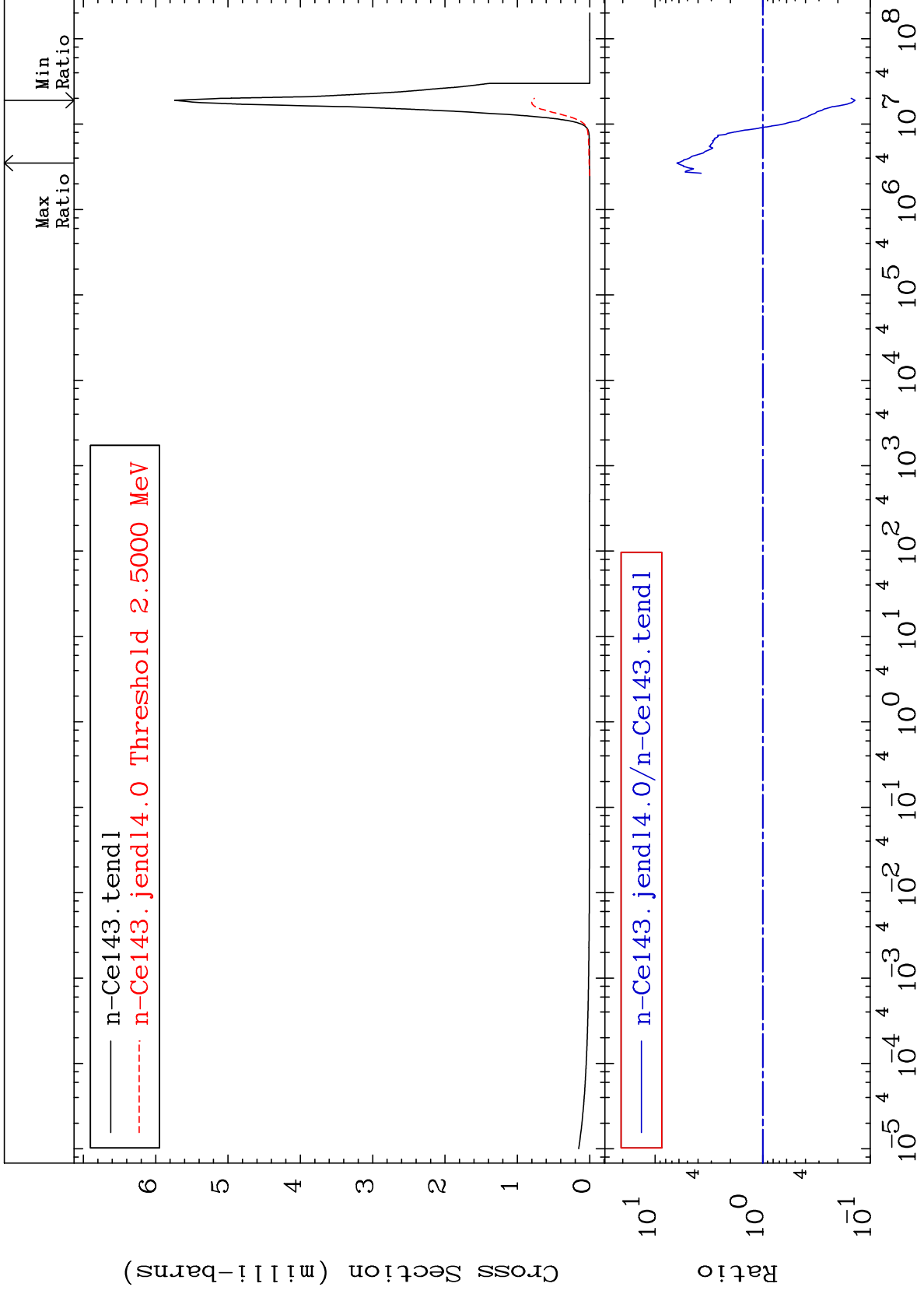
Incident Energy (eV)

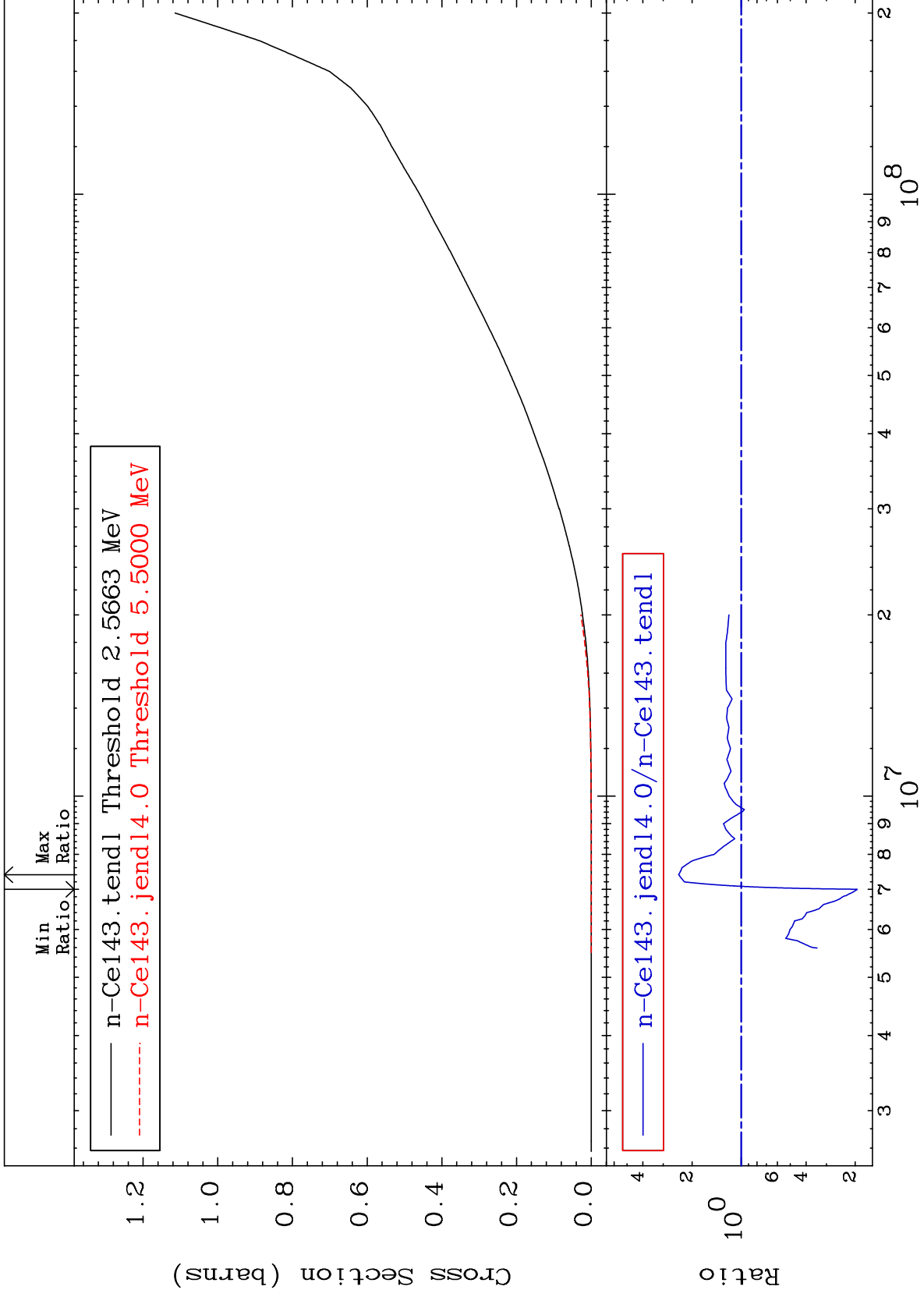
58-Ce-143

MAT 5846

(n, α)
Cross Section

58-Ce-143
-86.18 To 527.6 %

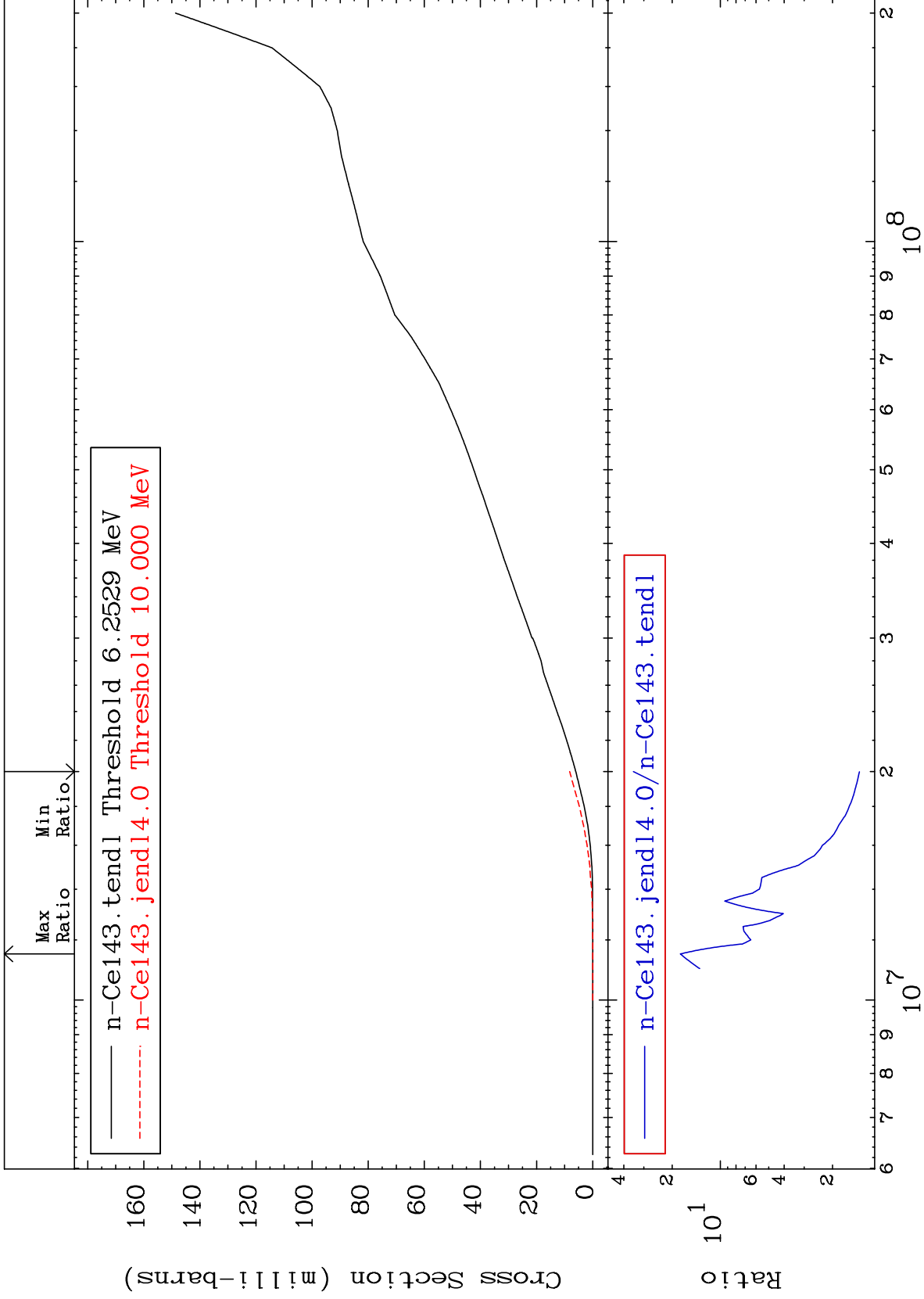




MAT 5846

Deuterium Production
Cross Section

58-Ce-143
To 1677. %



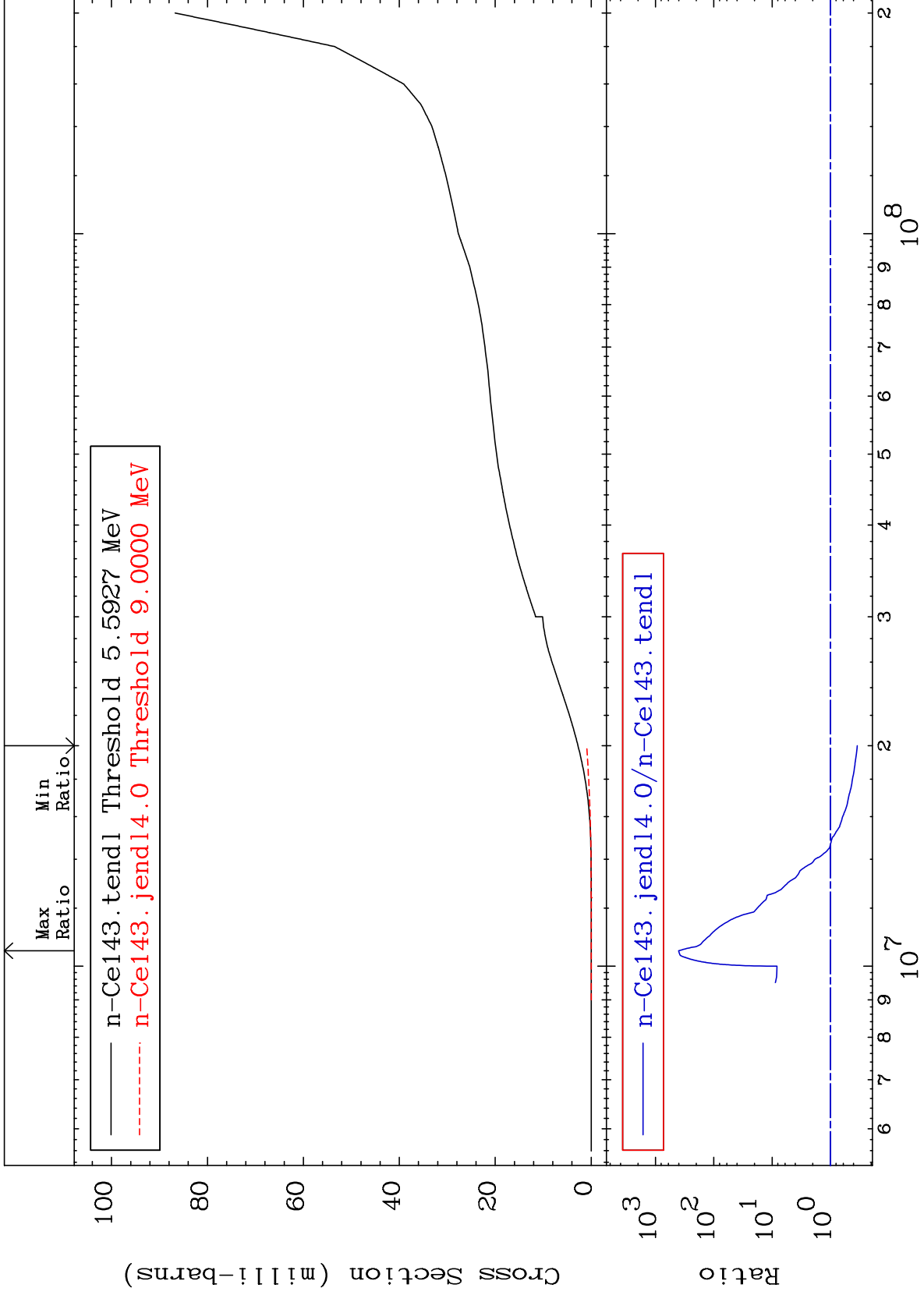
36

58-Ce-143

MAT 5846

Tritium Production
Cross Section

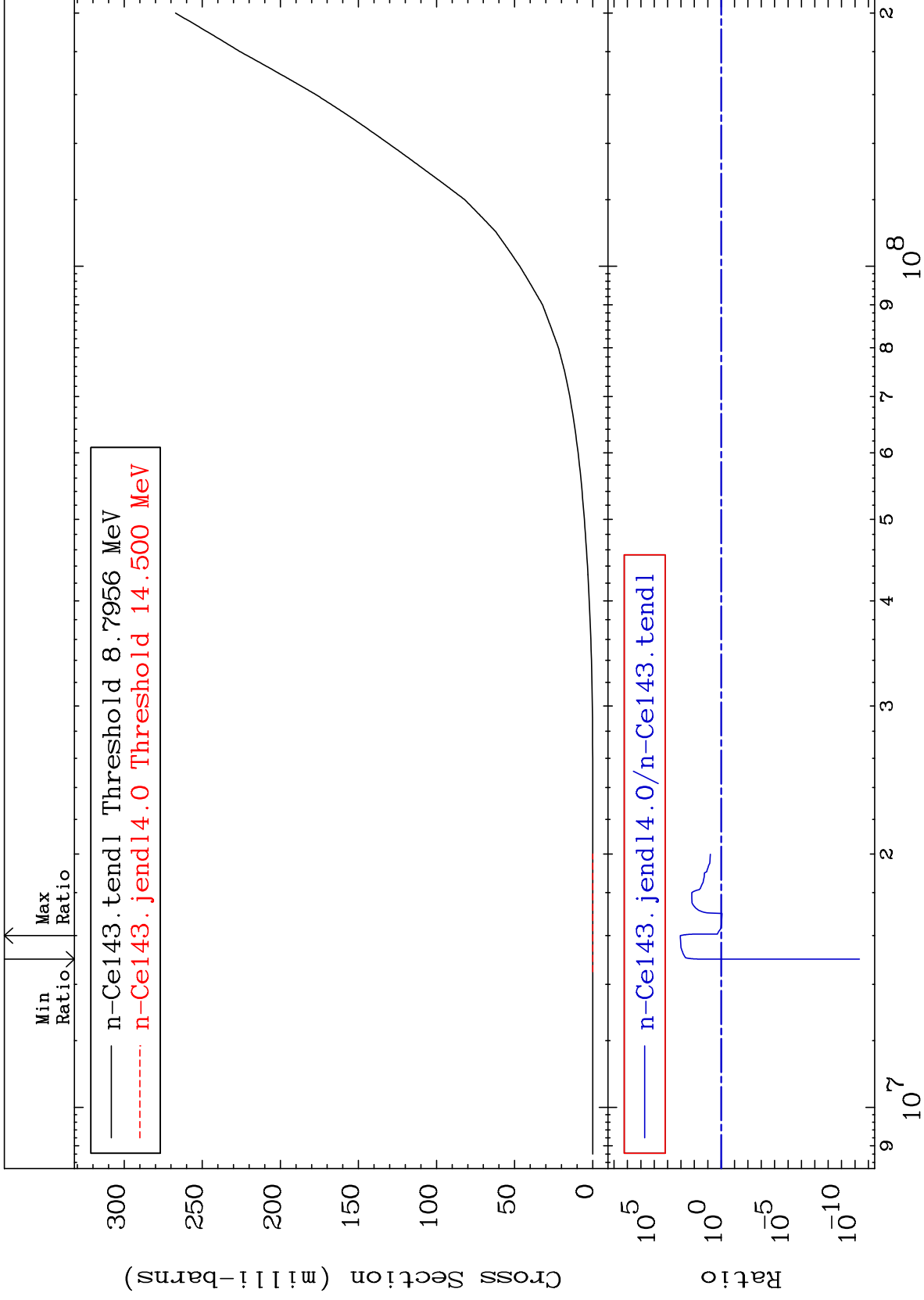
58-Ce-143
-65.42 To 9999. %



MAT 5846

He-3 Production
Cross Section

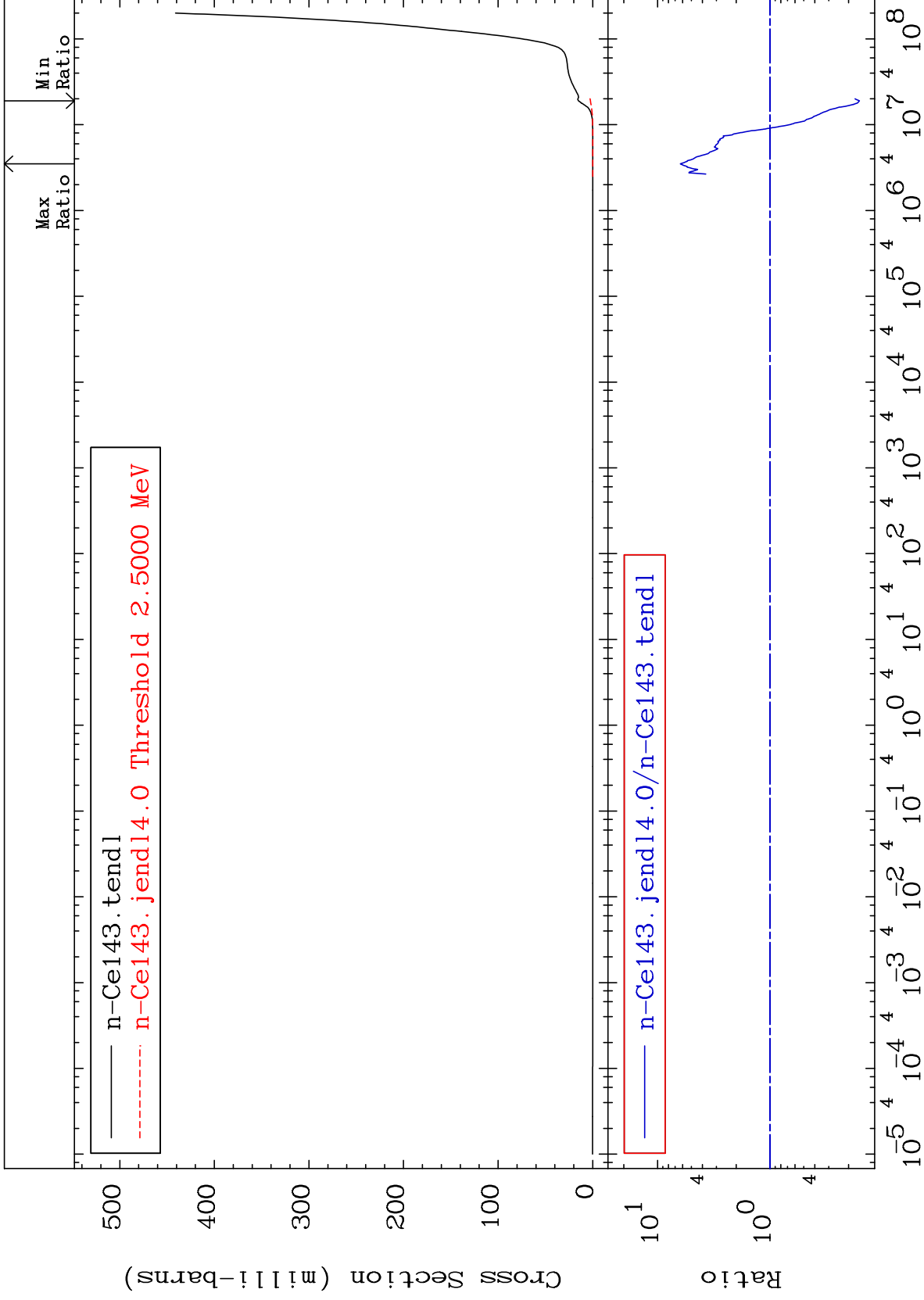
58-Ce-143
-100.0 To 9999. %



38

Incident Energy (eV)

58-Ce-143



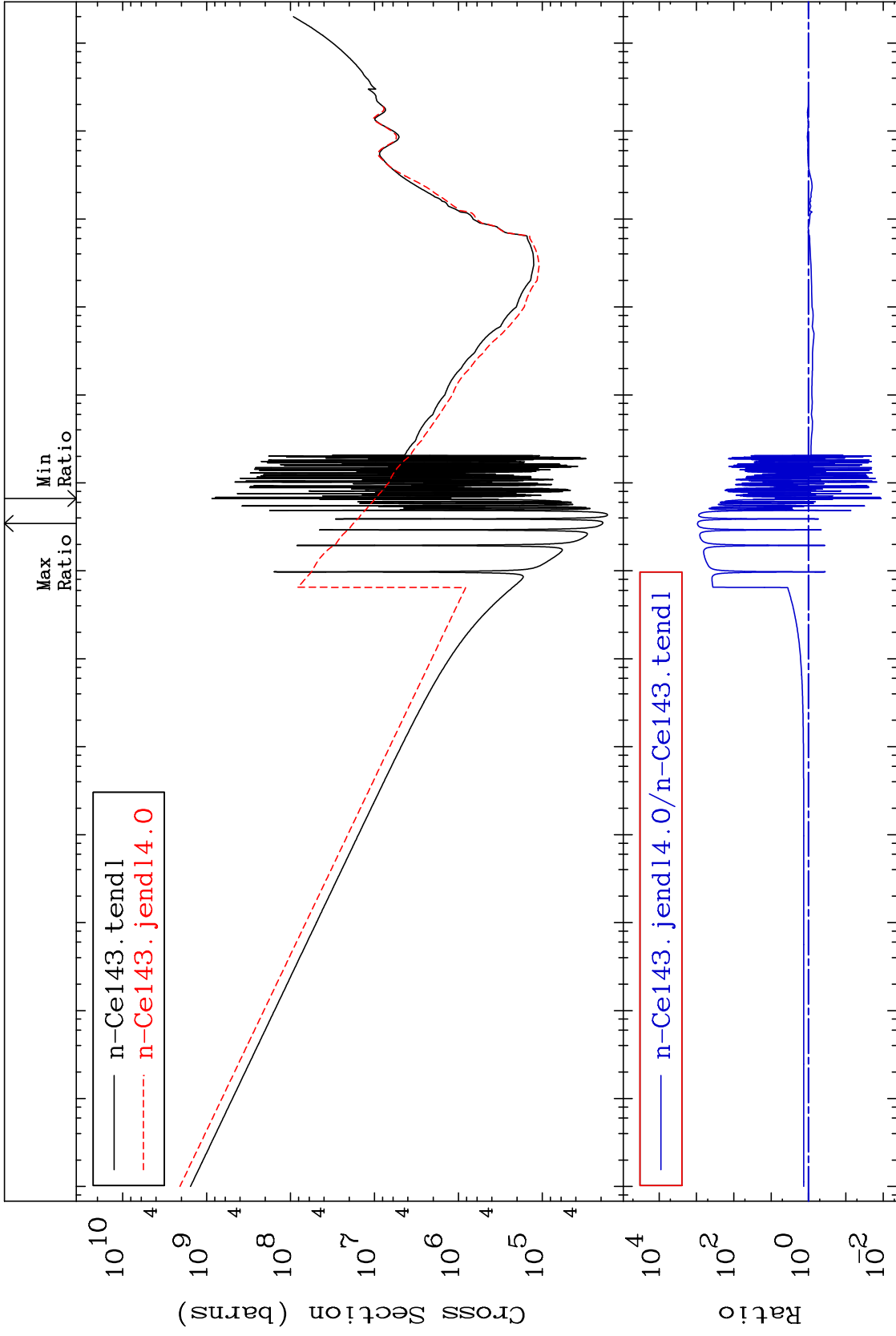
MAT 5846

Kerma total (eV-barns)

58-Ce-143

-98.87 To 9999. %

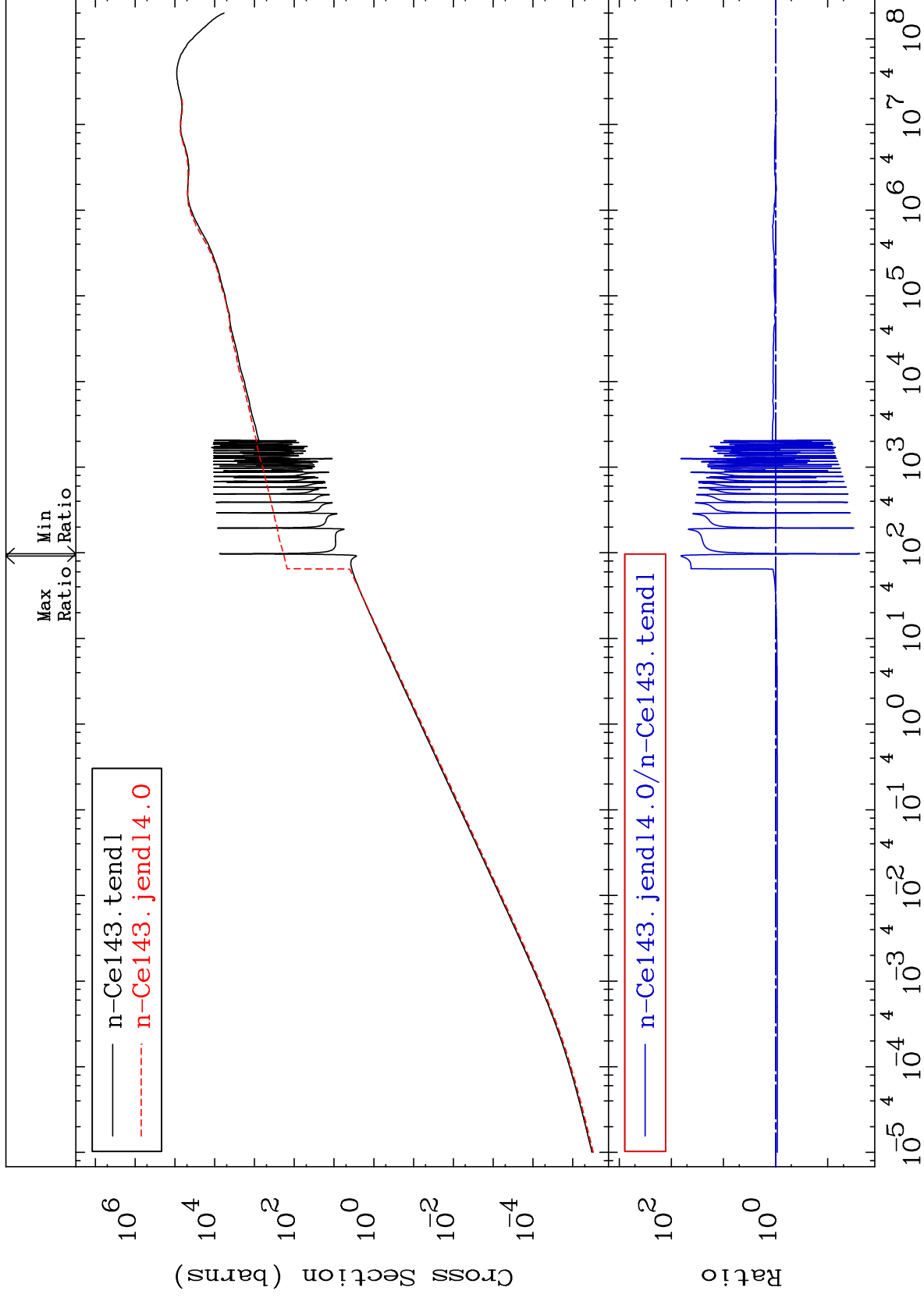
Cross Section

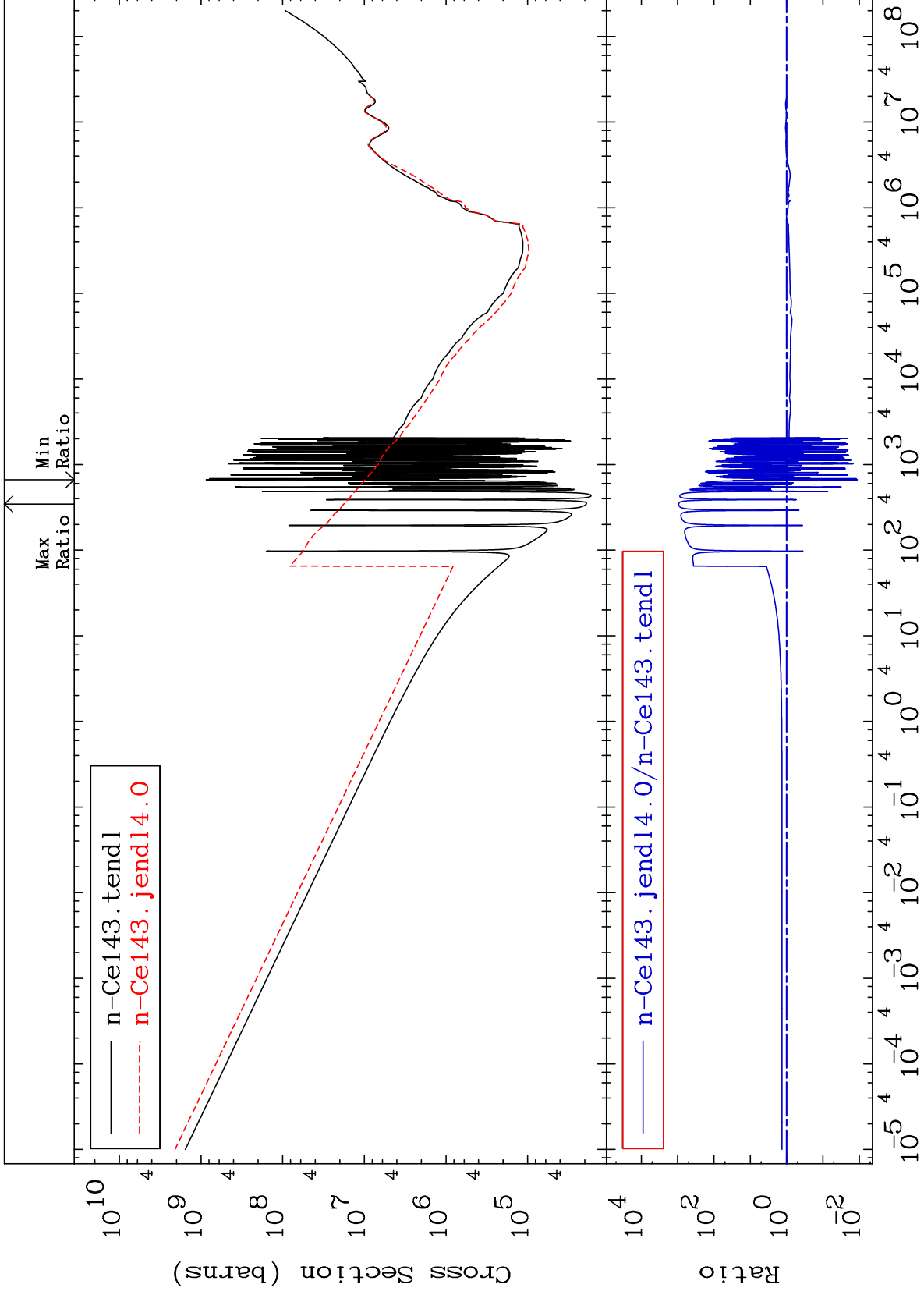


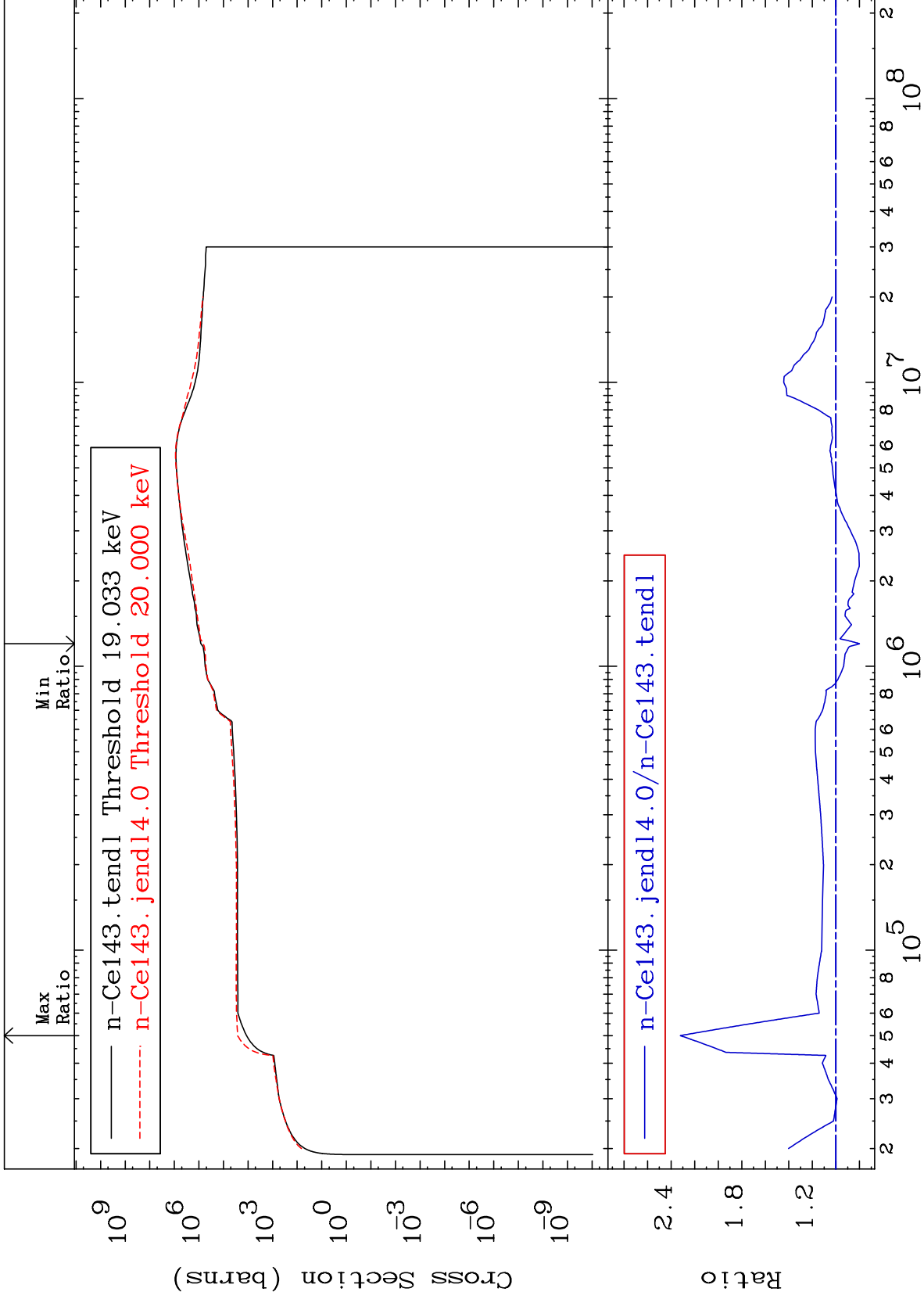
Incident Energy (eV)

58-Ce-143

40



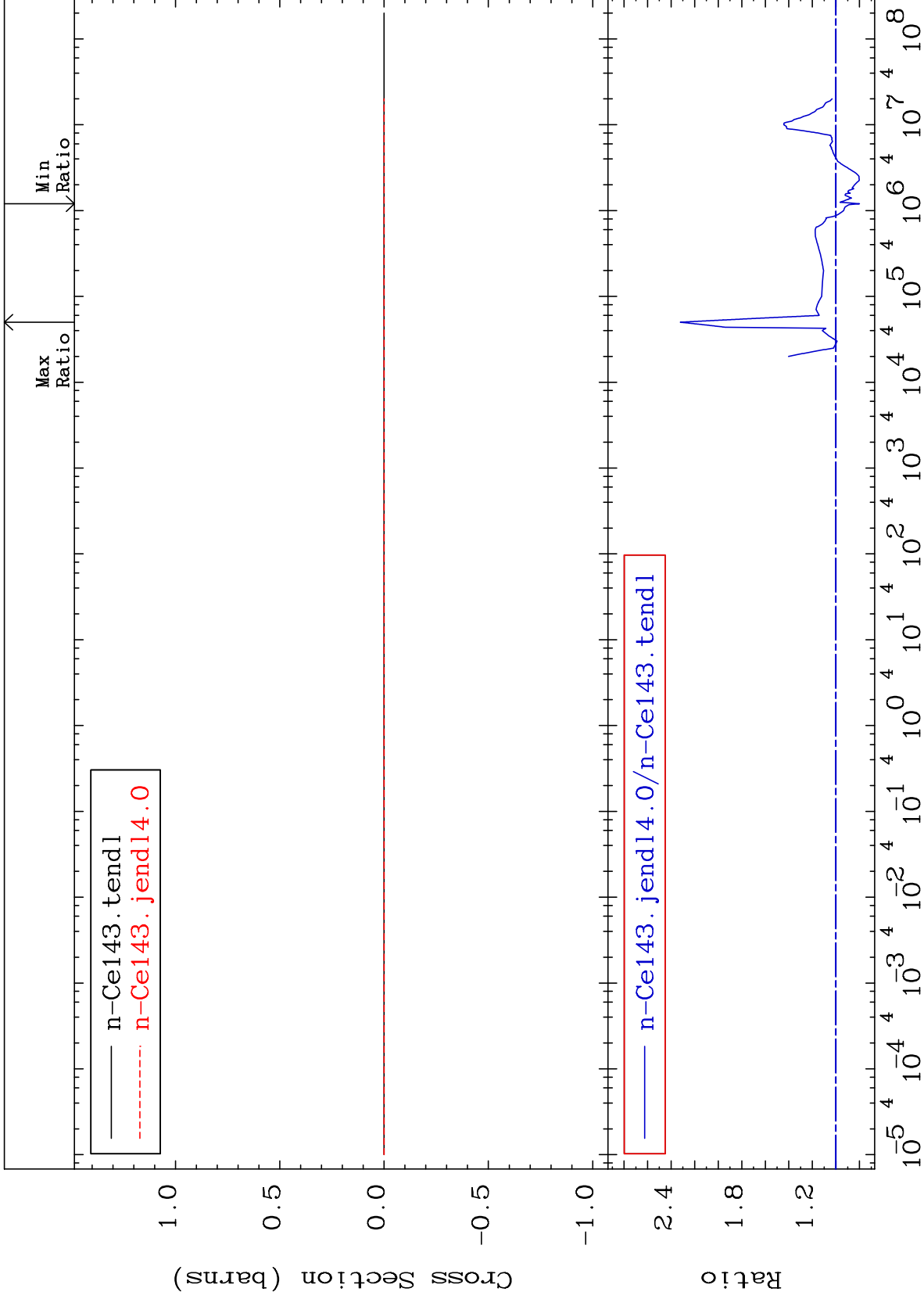


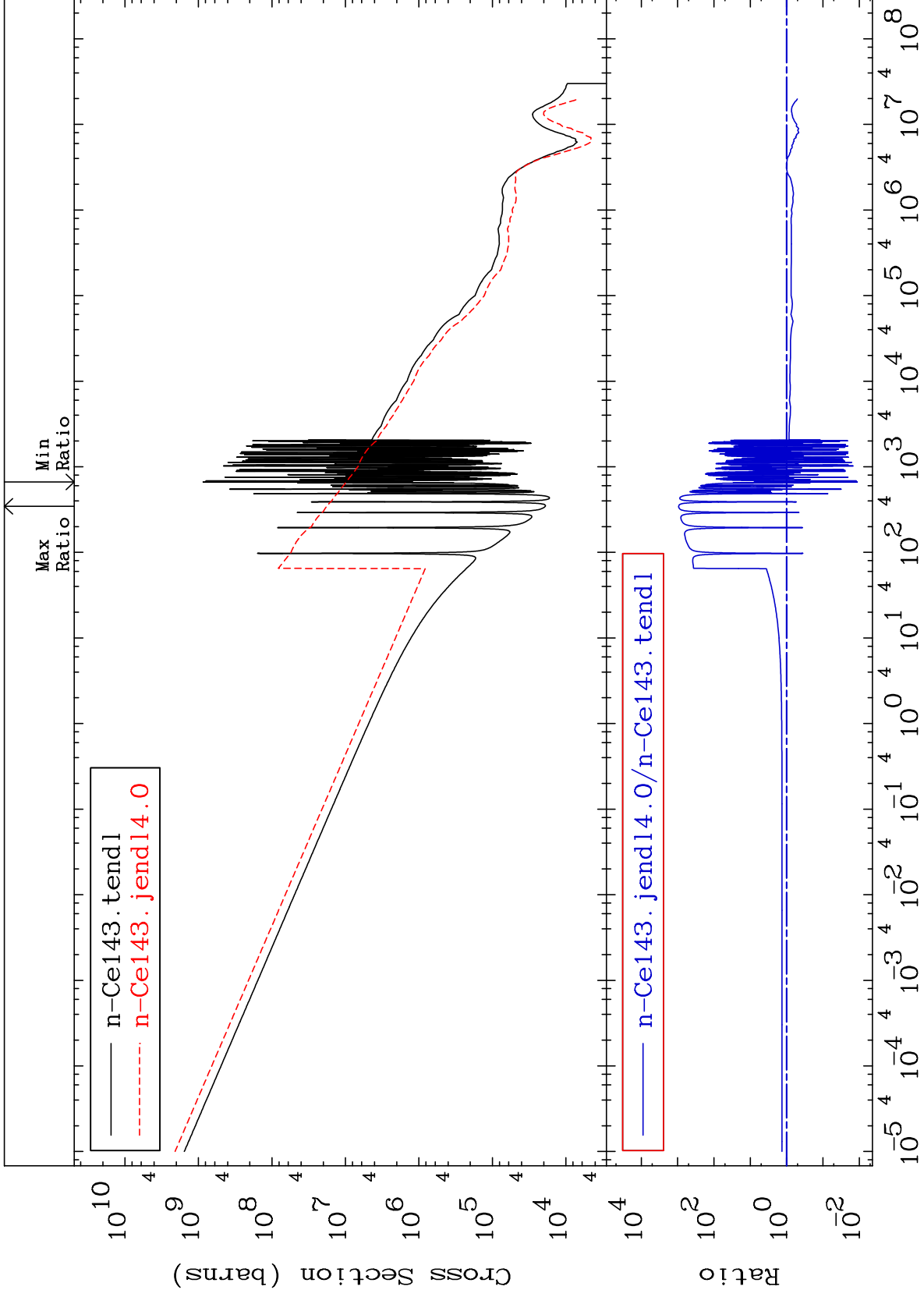


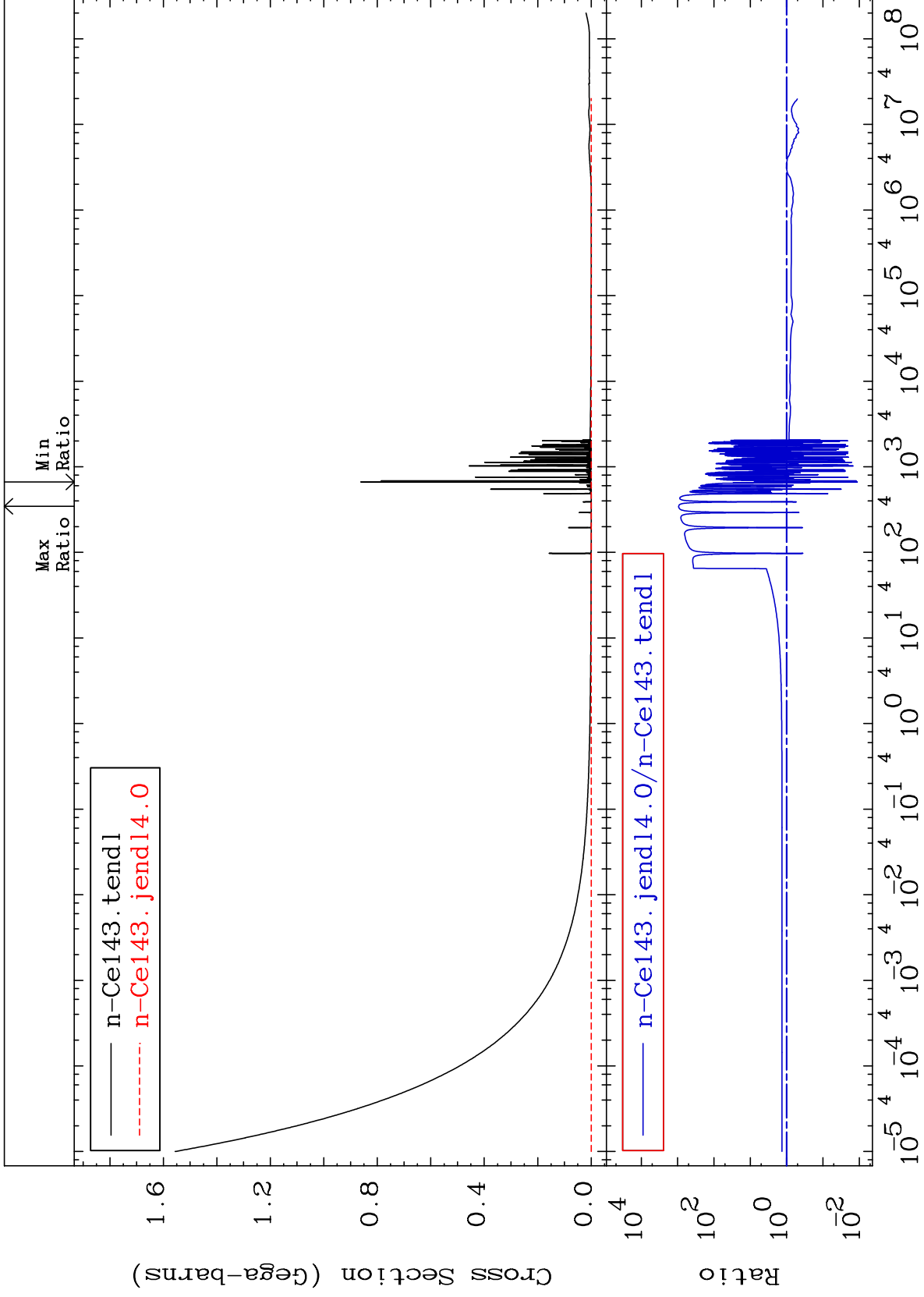
MAT 5846

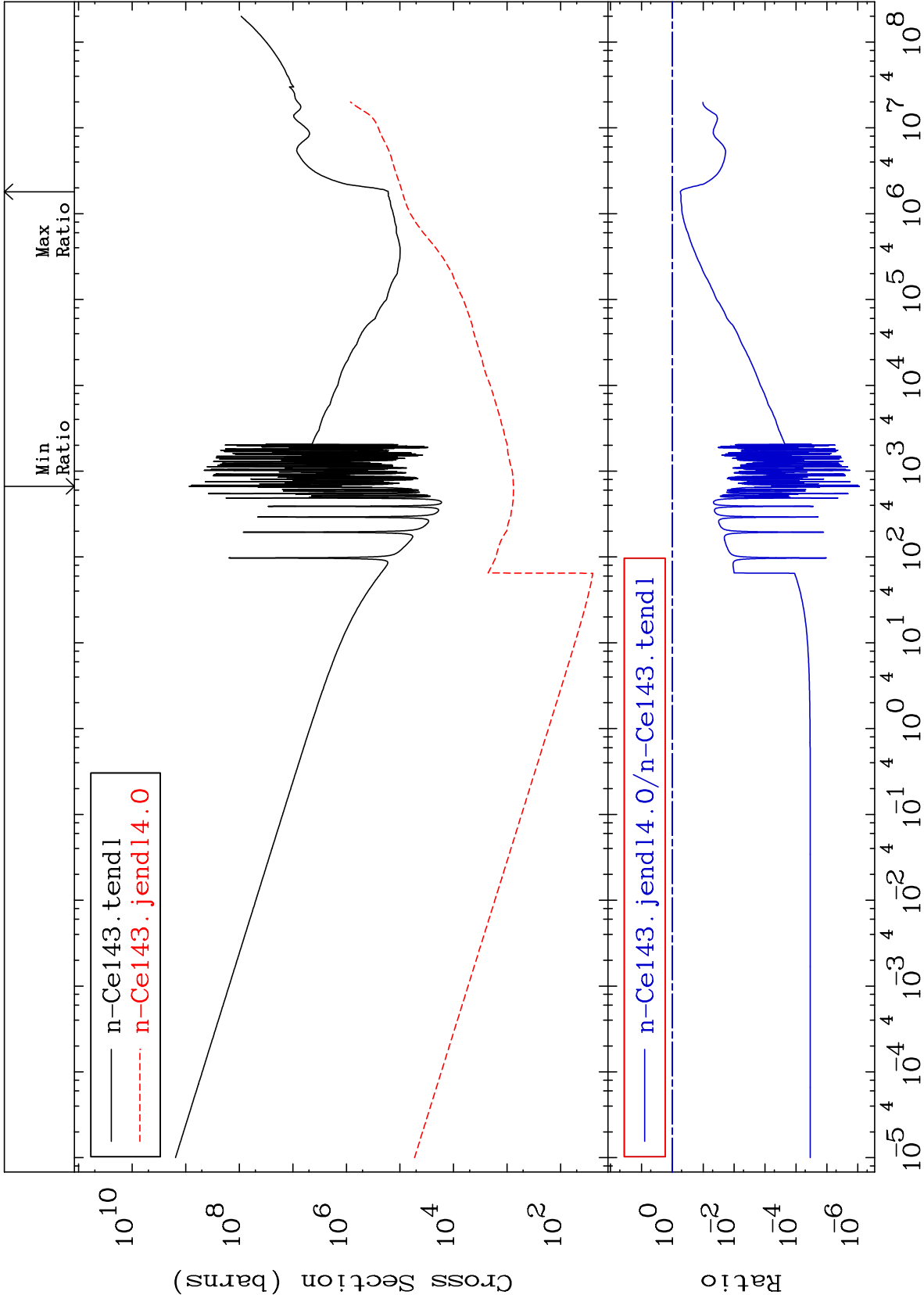
Kerma fission (mt18 or mt19-20-21-38)
Cross Section

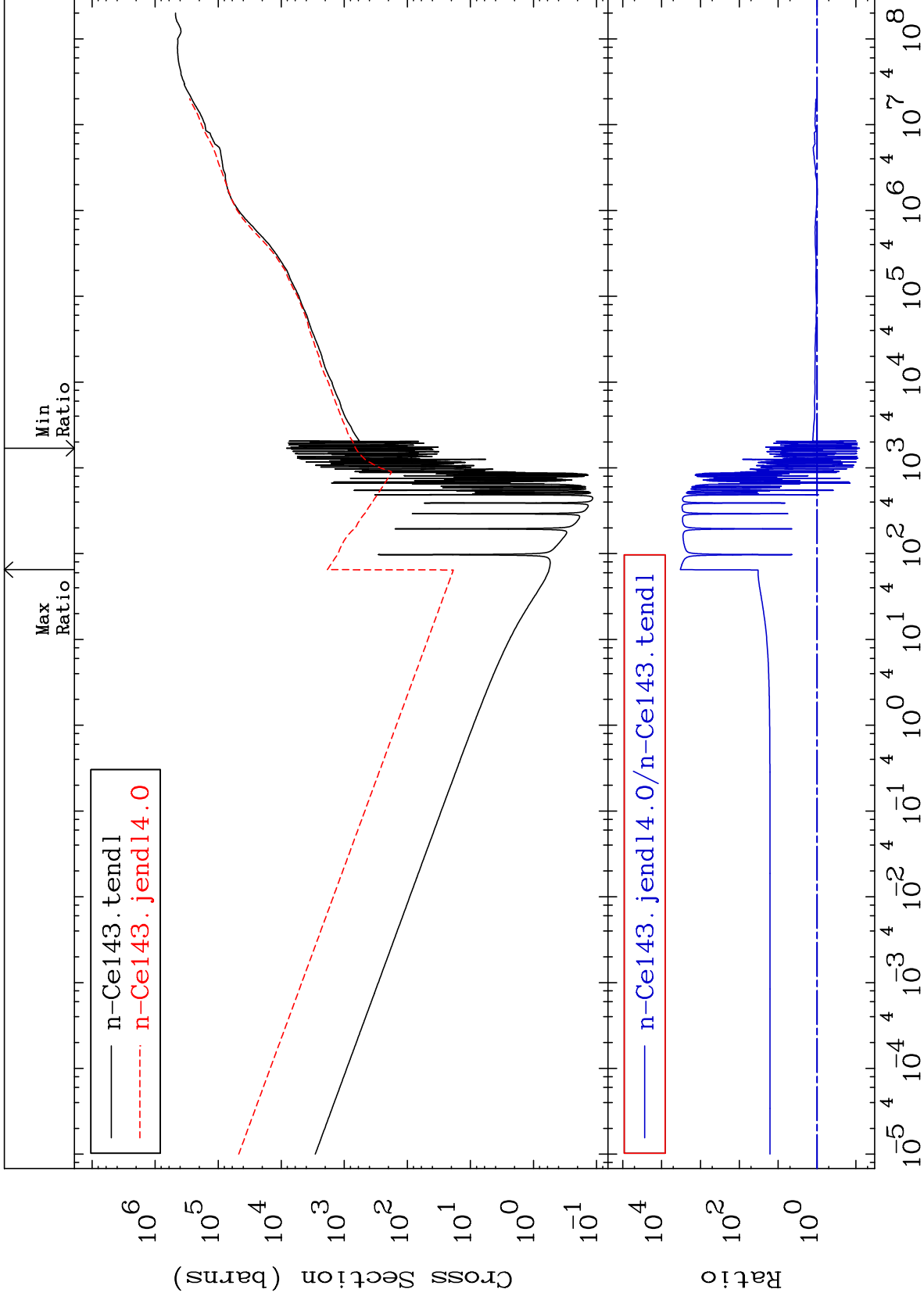
58-Ce-143
-19.97 To 132.1 %







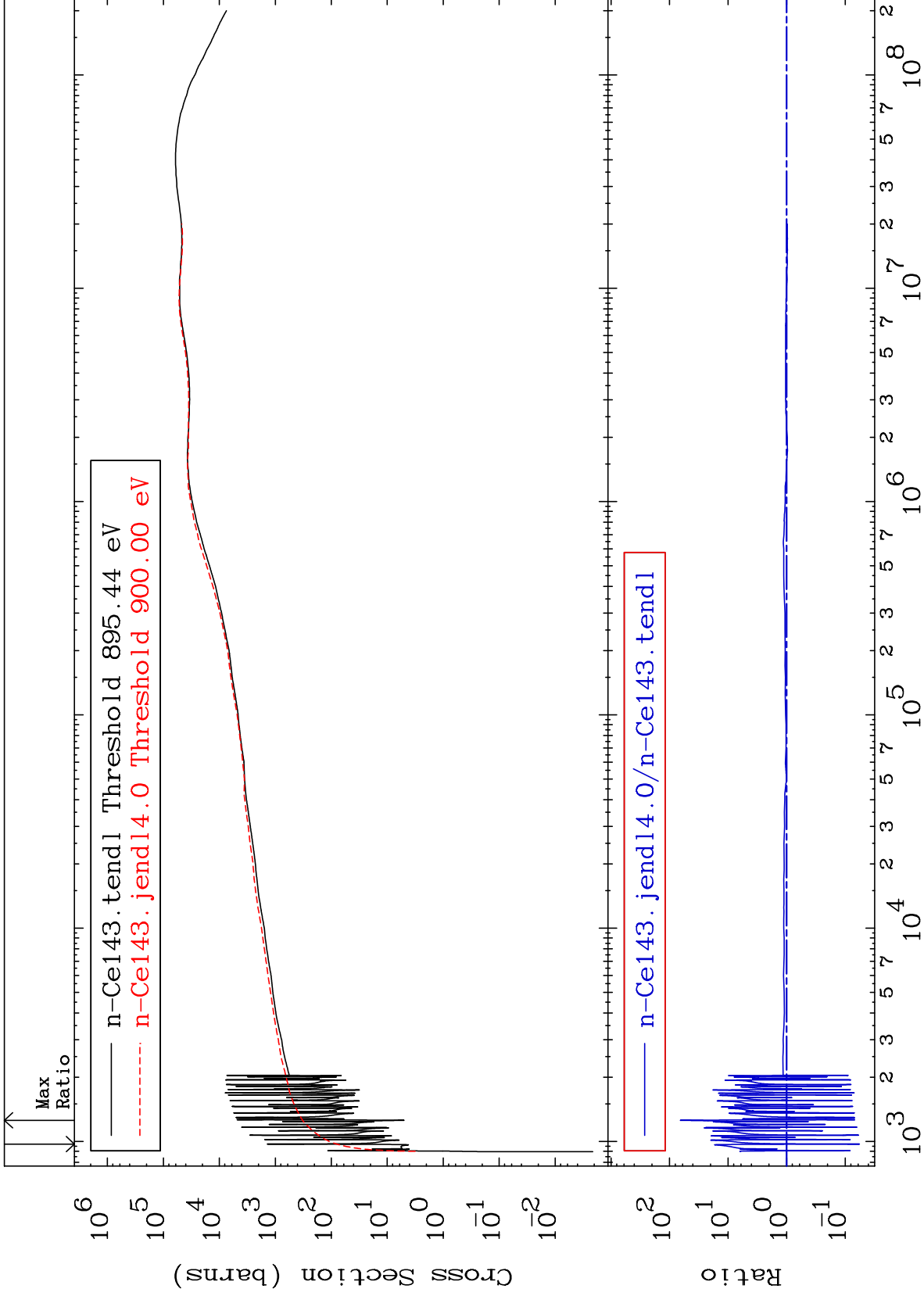




MAT 5846

Dpa elastic (mt2)
Cross Section

58-Ce-143
-94.29 To 6439. %



49

Incident Energy (eV)

58-Ce-143

MAT 5846

Dpa inelastic (mt51-91)
Cross Section

58-Ce-143
-19.04 To 113.2 %

