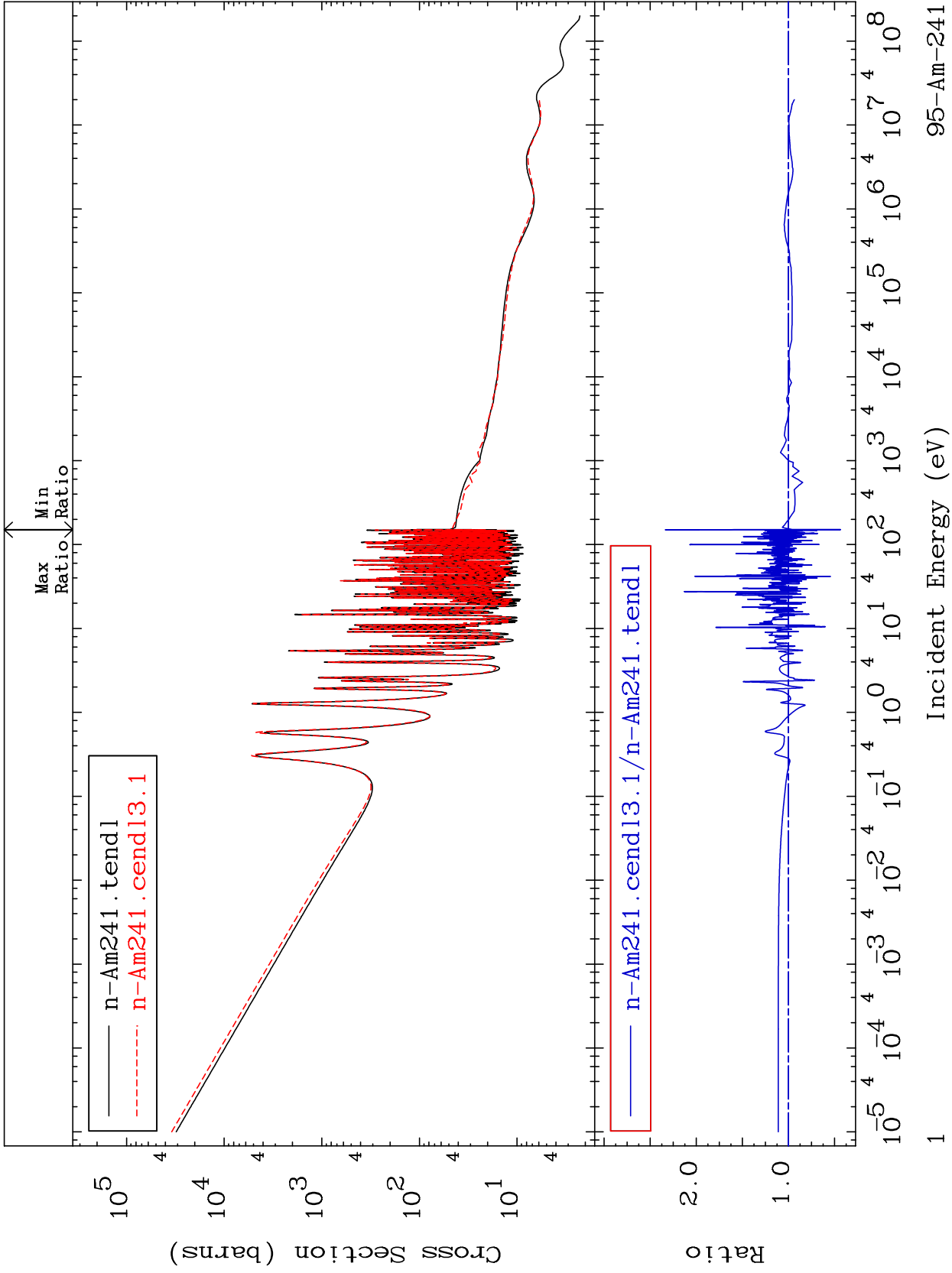


MAT 9543

Total Cross Section
95-Am-241
-56.58 To 133.4 %

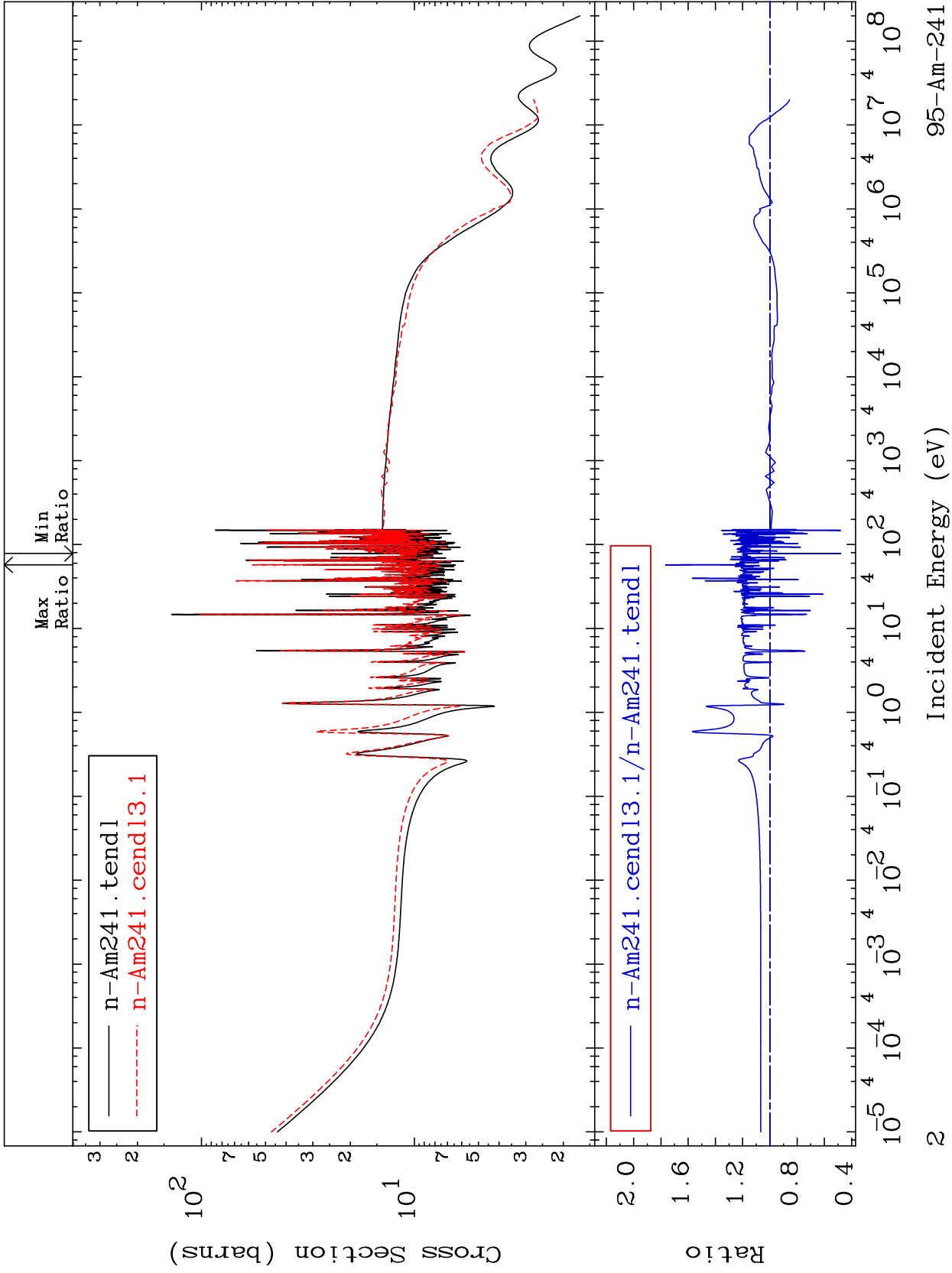


95-Am-241

MAT 9543

Elastic
Cross Section

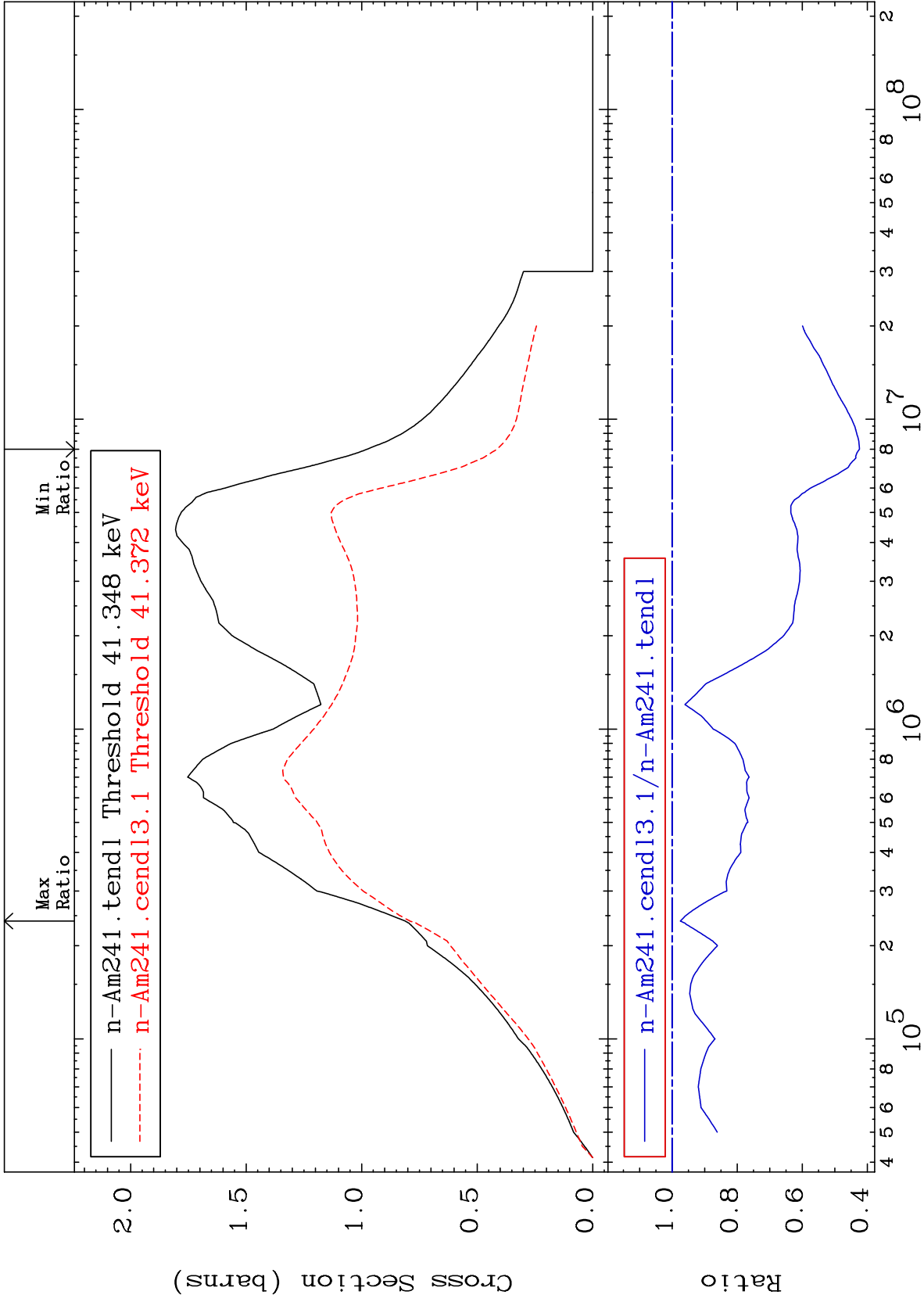
95-Am-241
-51.95 To 76.62 %



MAT 9543

Inelastic
Cross Section

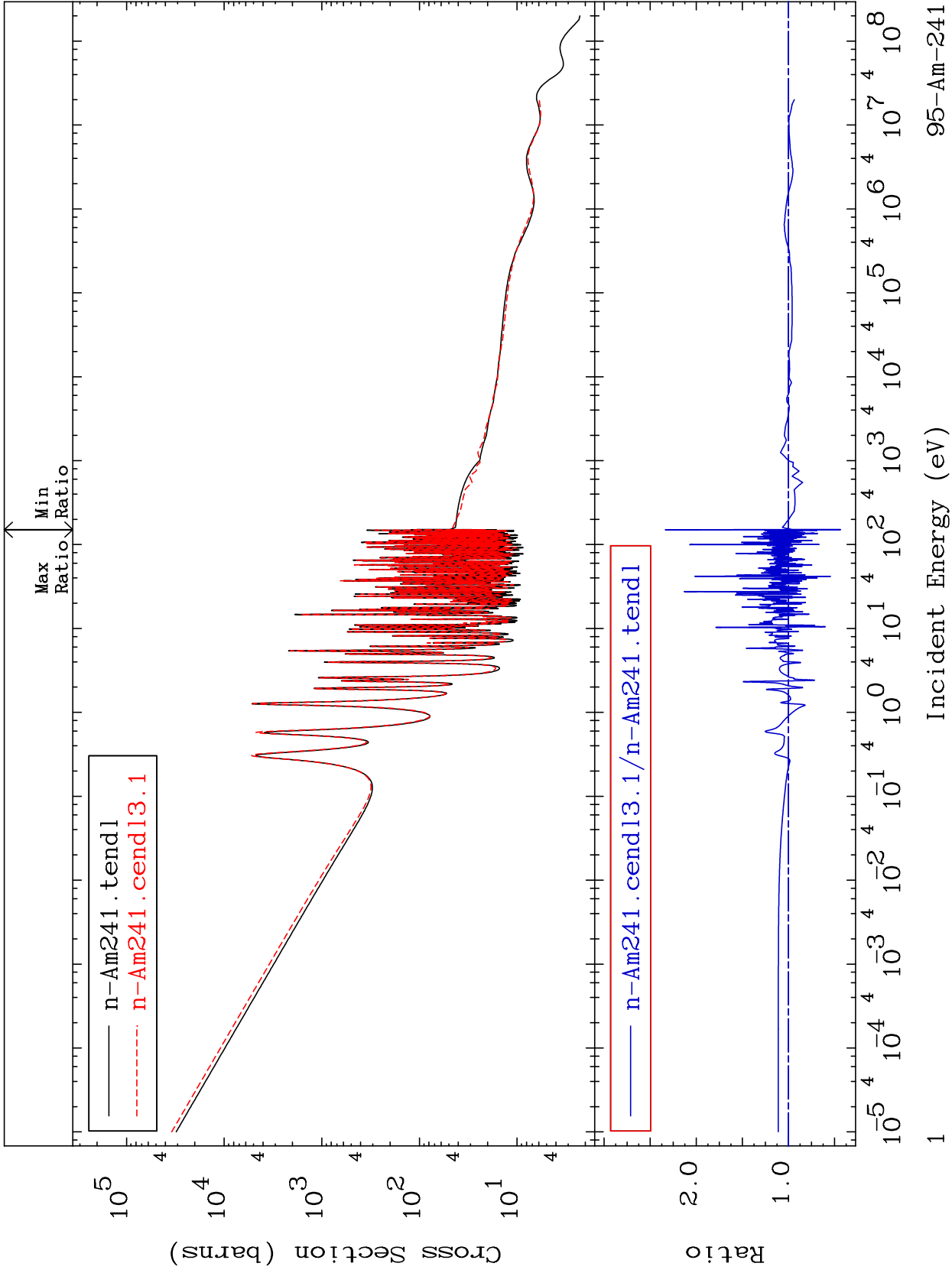
95-Am-241
-57.57 To -2.539%



MAT 9543

Total
Cross Section

95-Am-241
-56.58 To 133.4 %

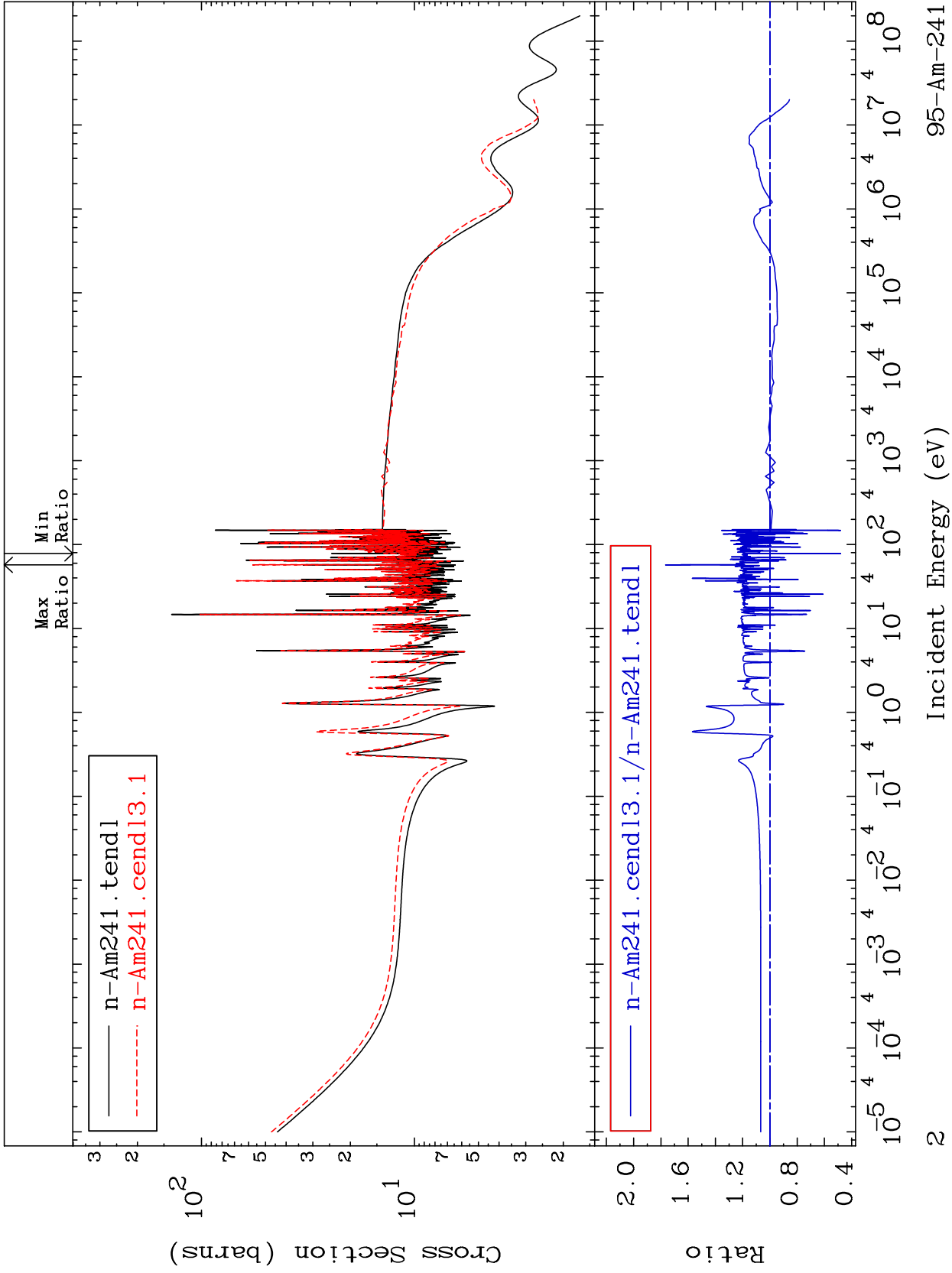


95-Am-241

MAT 9543

Elastic
Cross Section

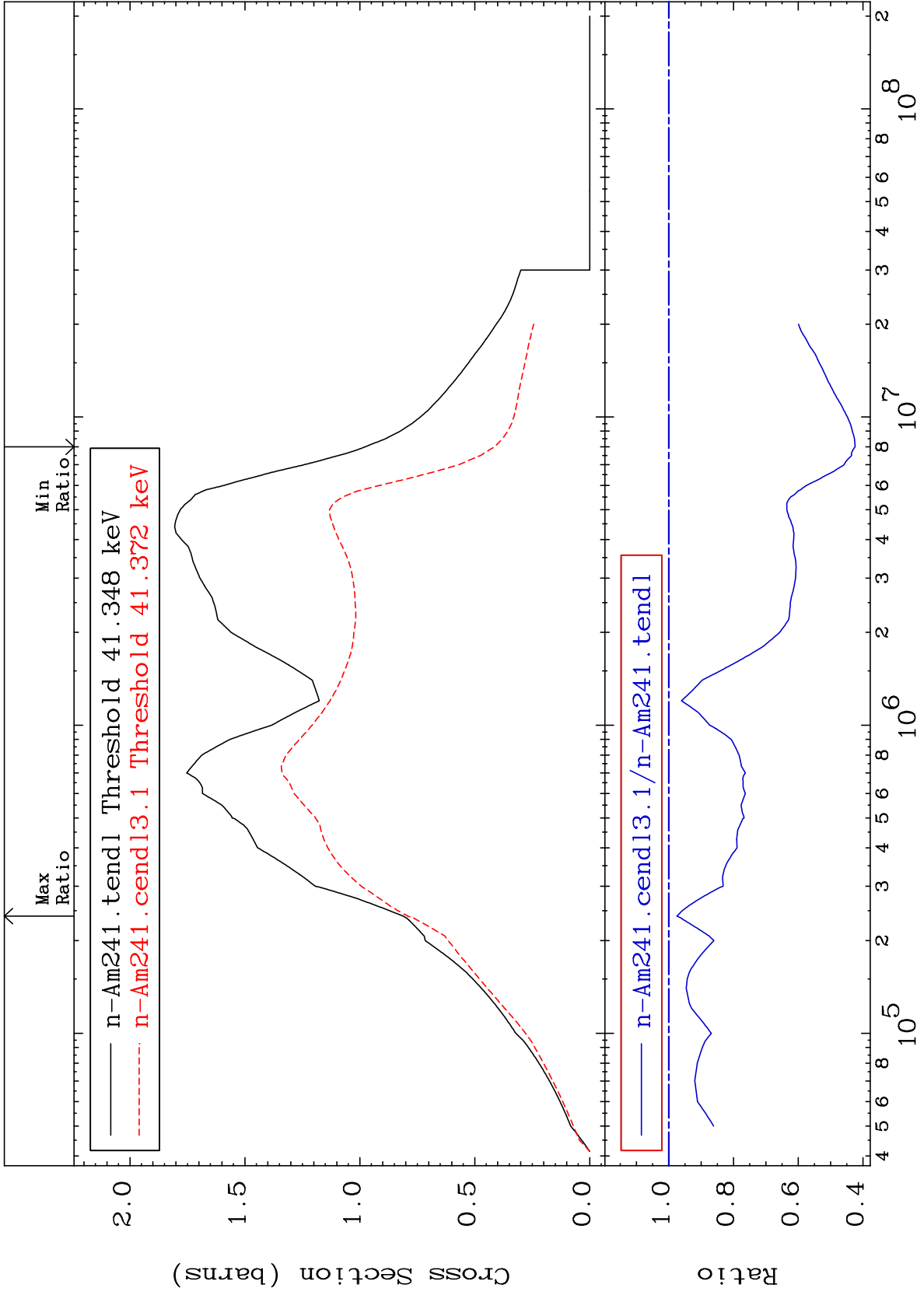
95-Am-241
-51.95 To 76.62 %



MAT 9543

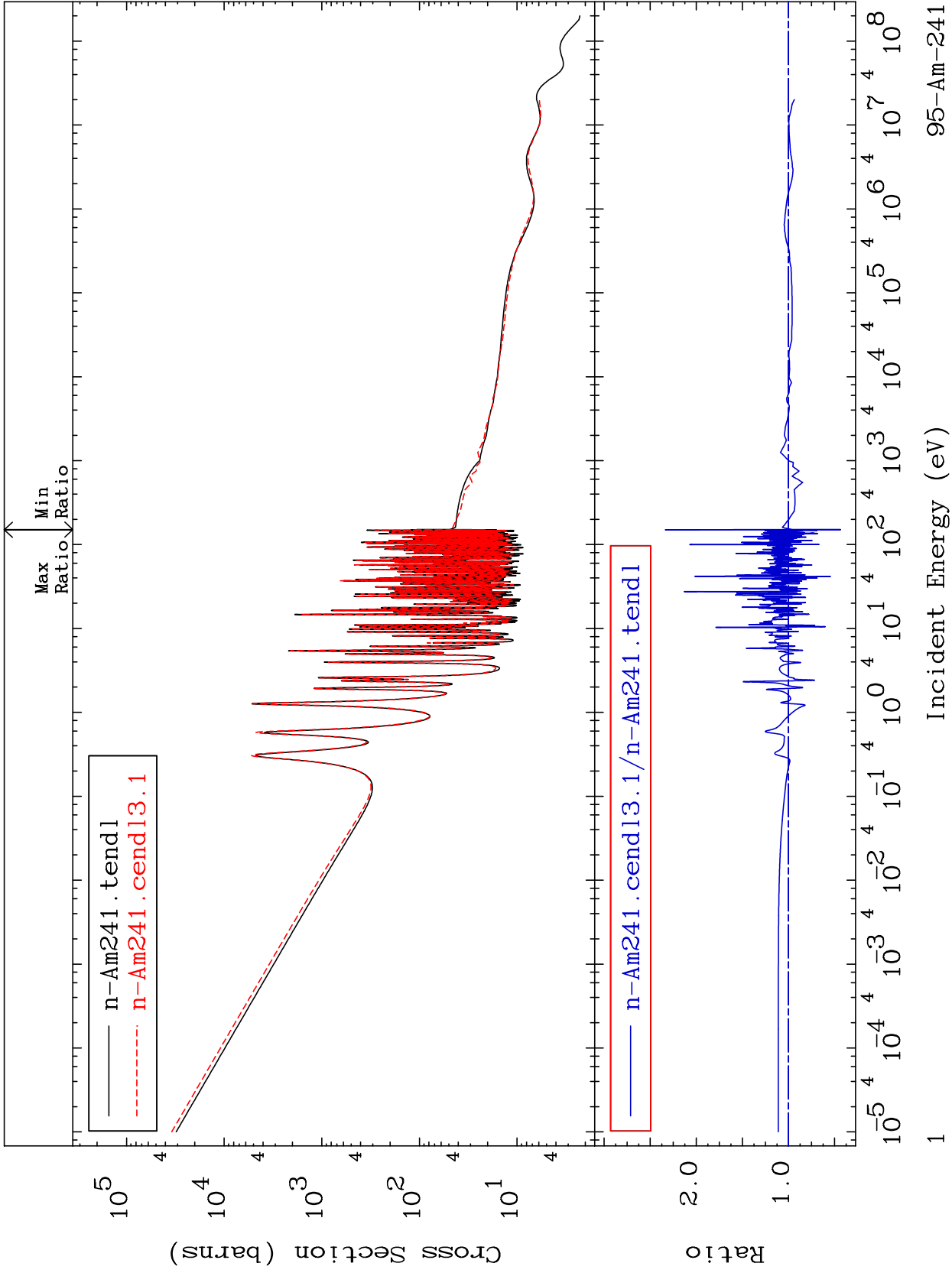
Inelastic
Cross Section

95-Am-241
-57.57 To -2.539%



MAT 9543

Total Cross Section
95-Am-241
-56.58 To 133.4 %

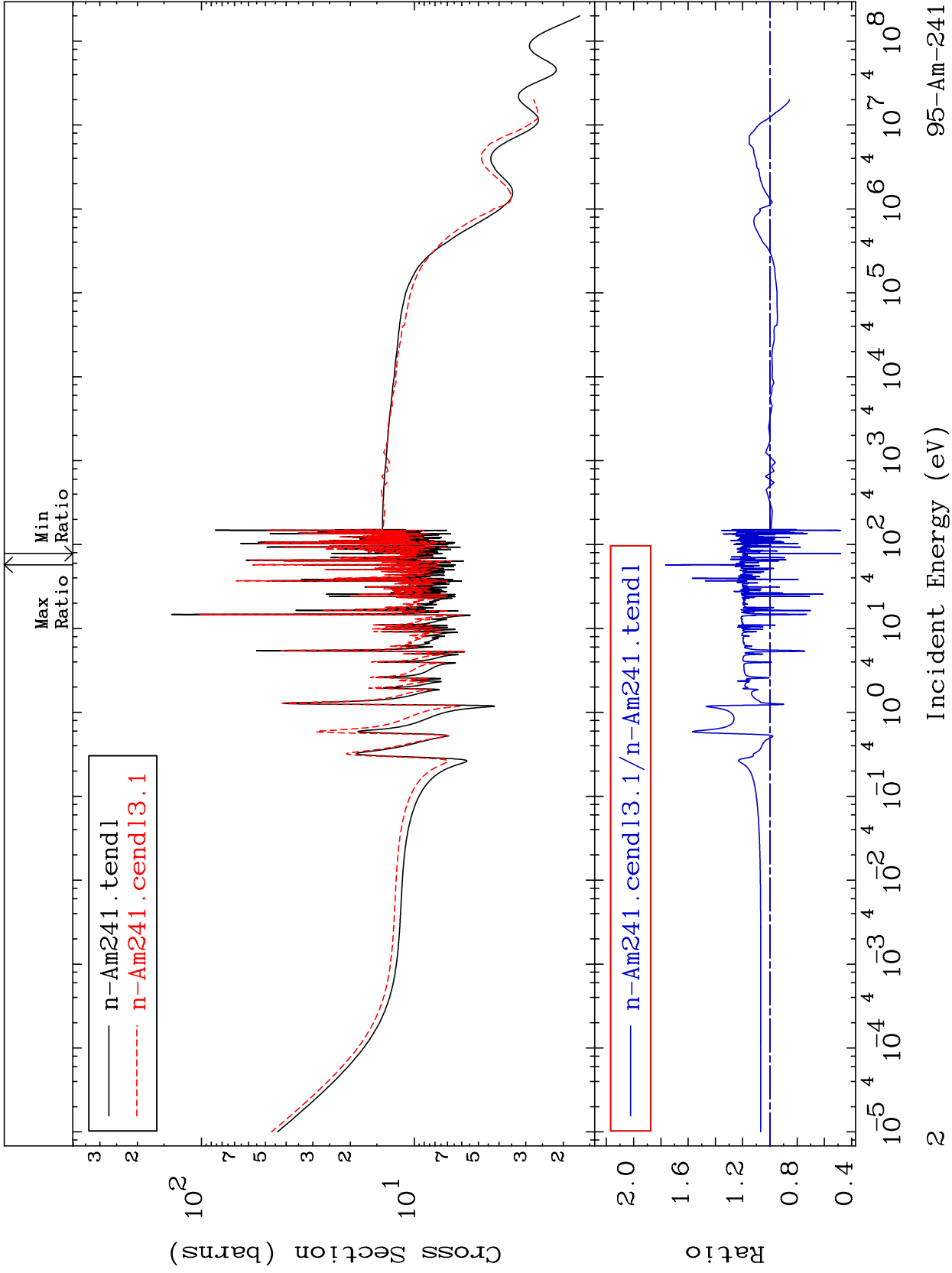


95-Am-241

MAT 9543

Elastic
Cross Section

95-Am-241
-51.95 To 76.62 %

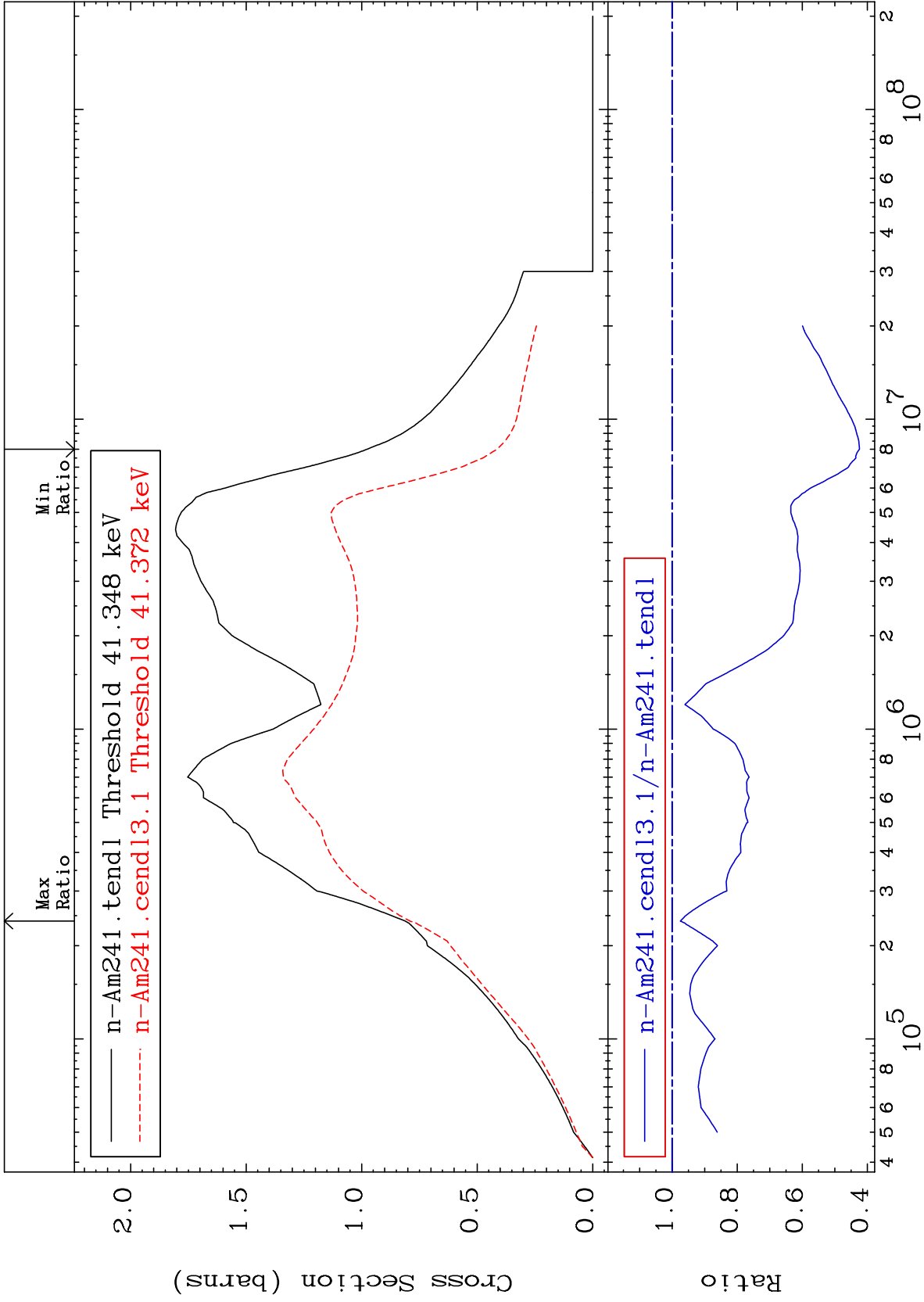


95-Am-241

MAT 9543

Inelastic
Cross Section

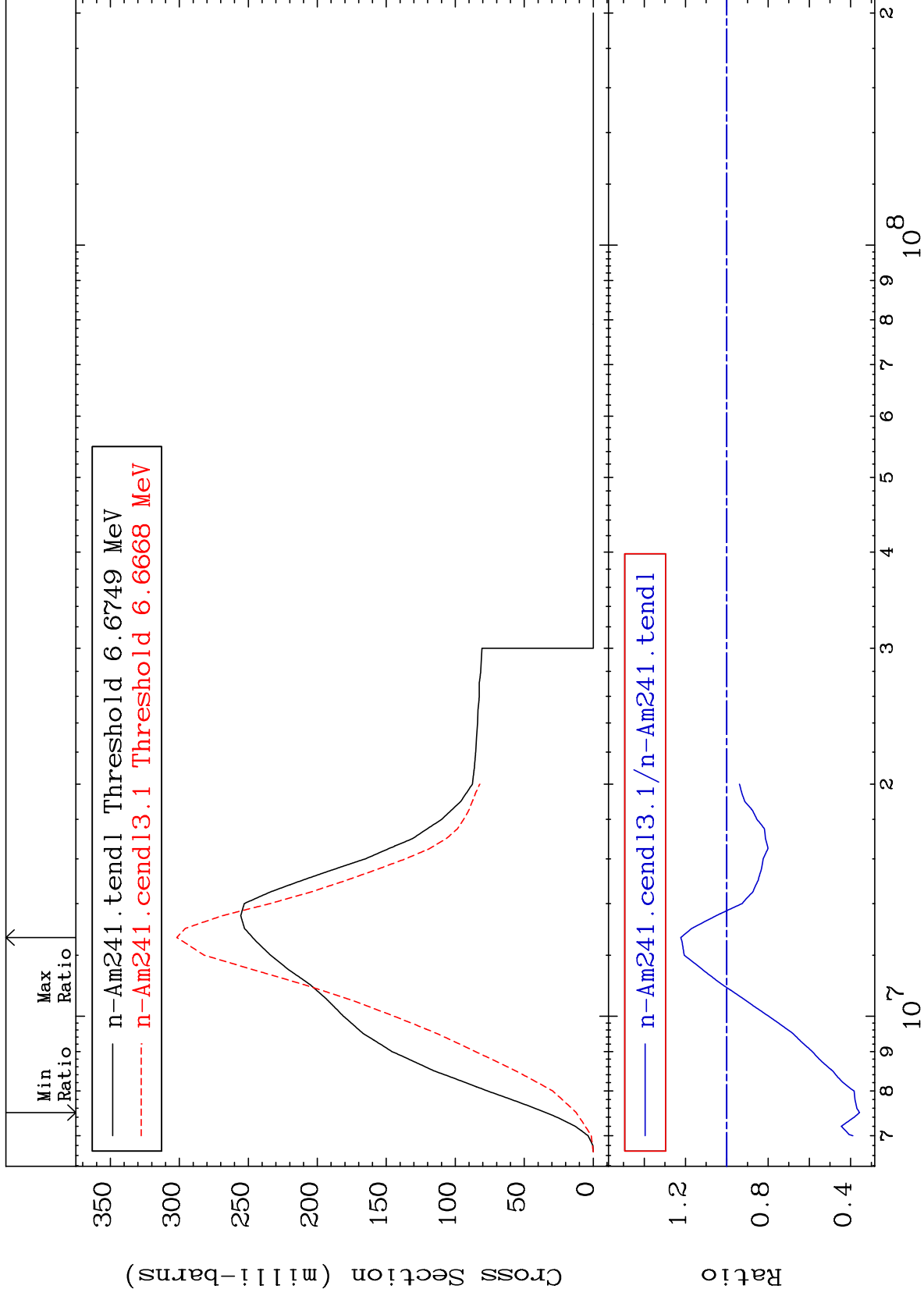
95-Am-241
-57.57 To -2.539%



MAT 9543

(n,2n)
Cross Section

95-Am-241
-64.29 To 22.30 %



4

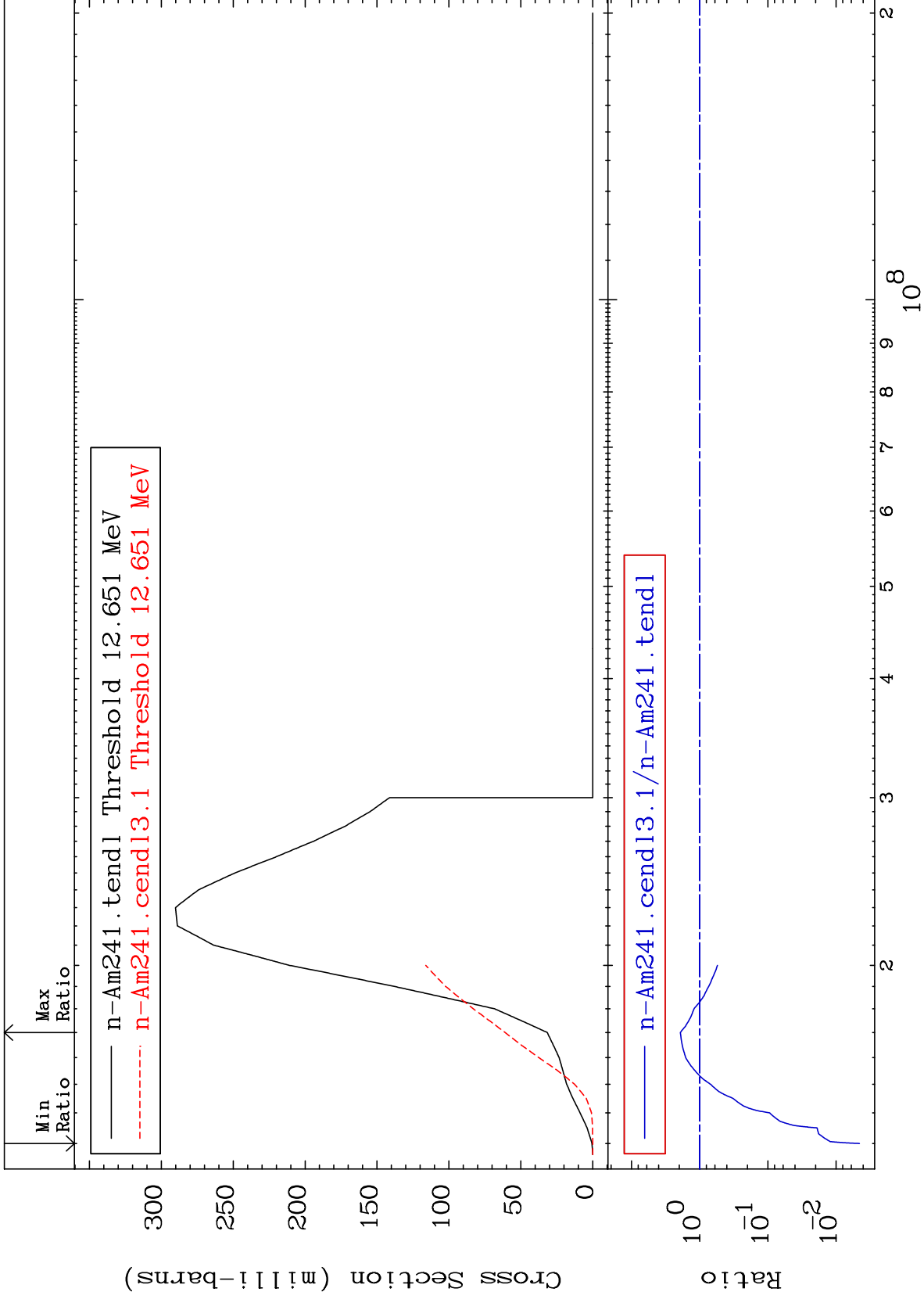
Incident Energy (eV)

95-Am-241

MAT 9543

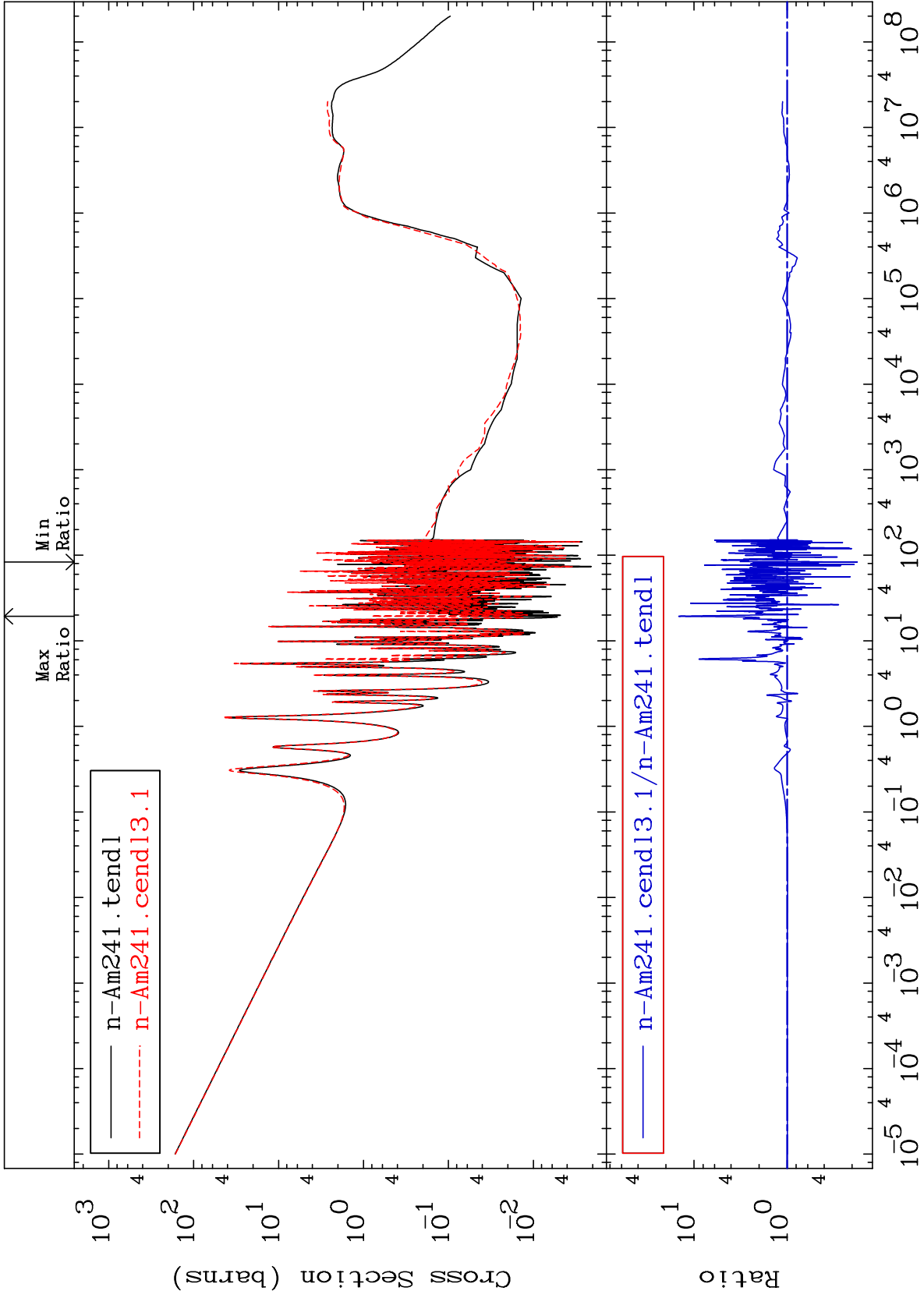
(n,3n)
Cross Section

95-Am-241
-99.55 To 92.66 %



MAT 9543

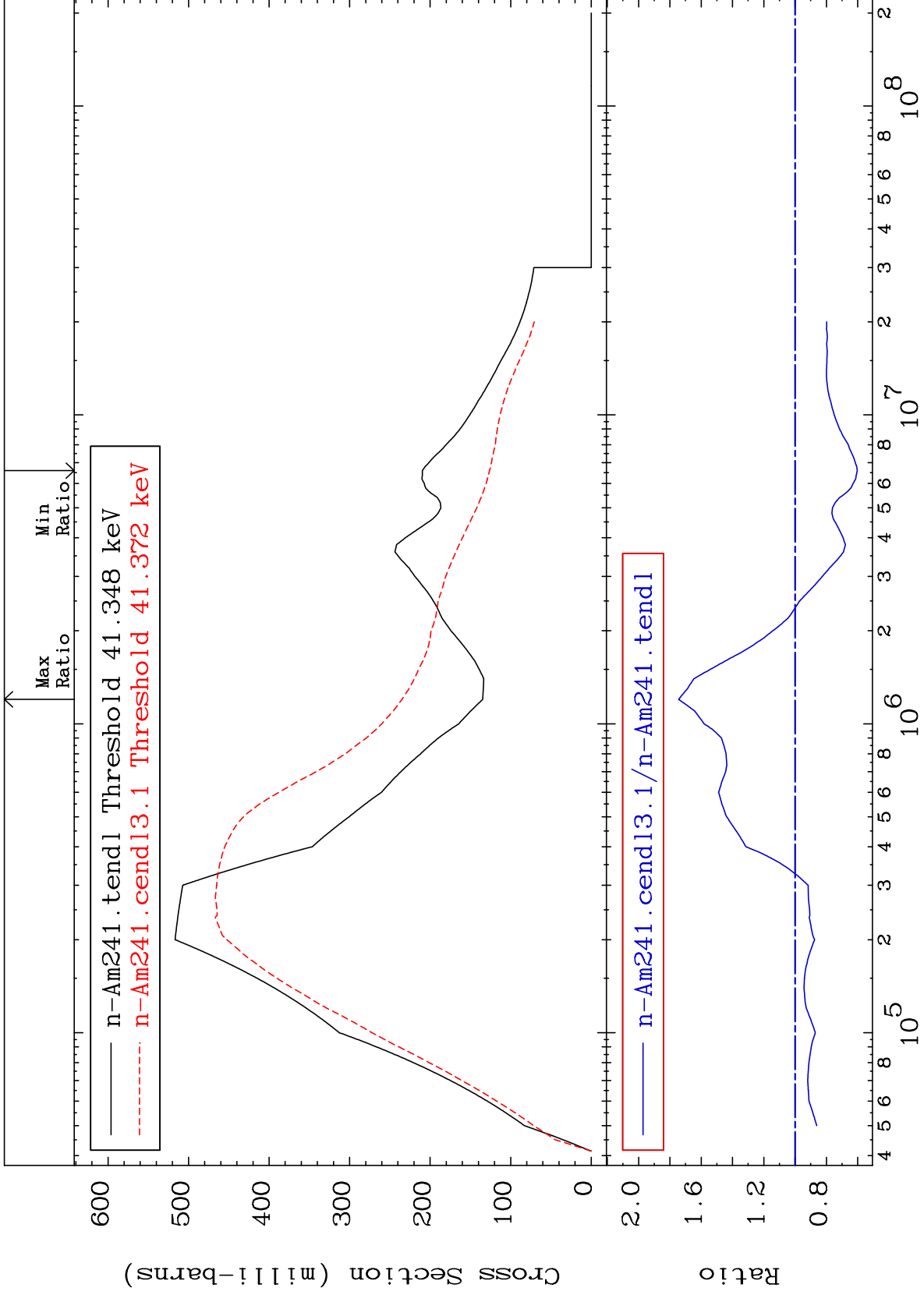
Fission Cross Section 95-Am-241
-82.37 To 1363. %



MAT 9543

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

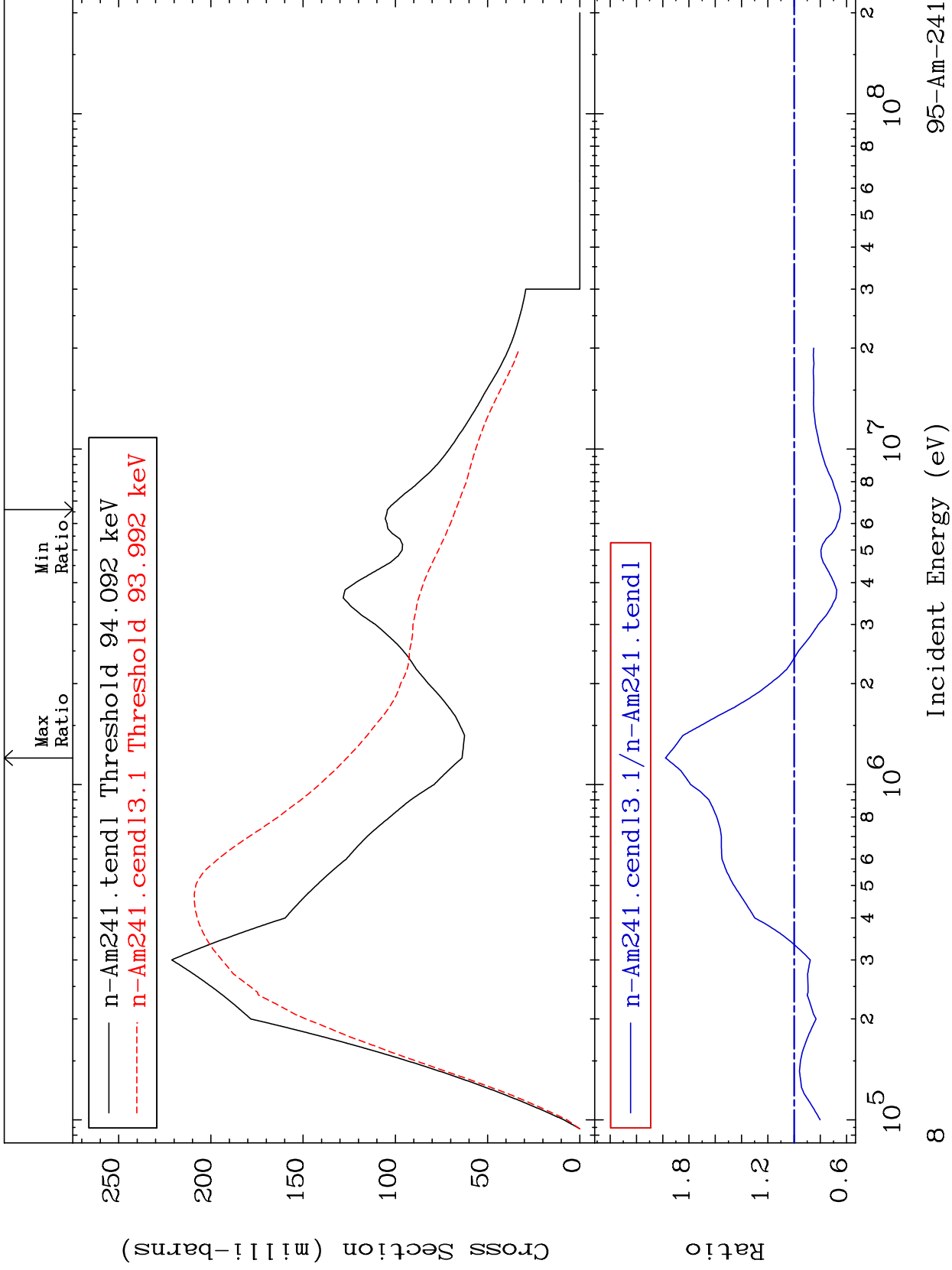
95-Am-241
-39.74 To 74.41 %



MAT 9543

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

95-Am-241
-35.47 To 97.88 %

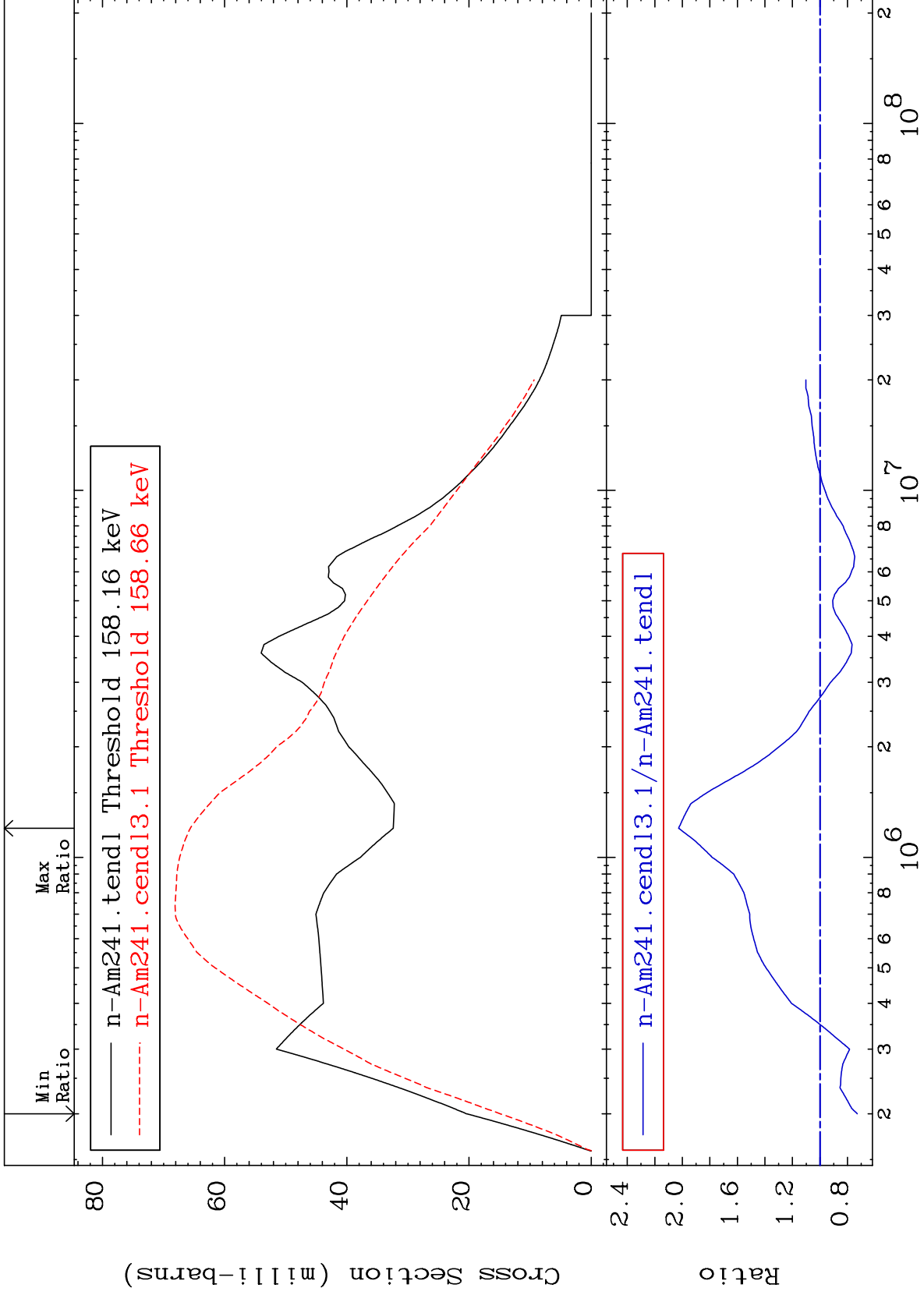


95-Am-241

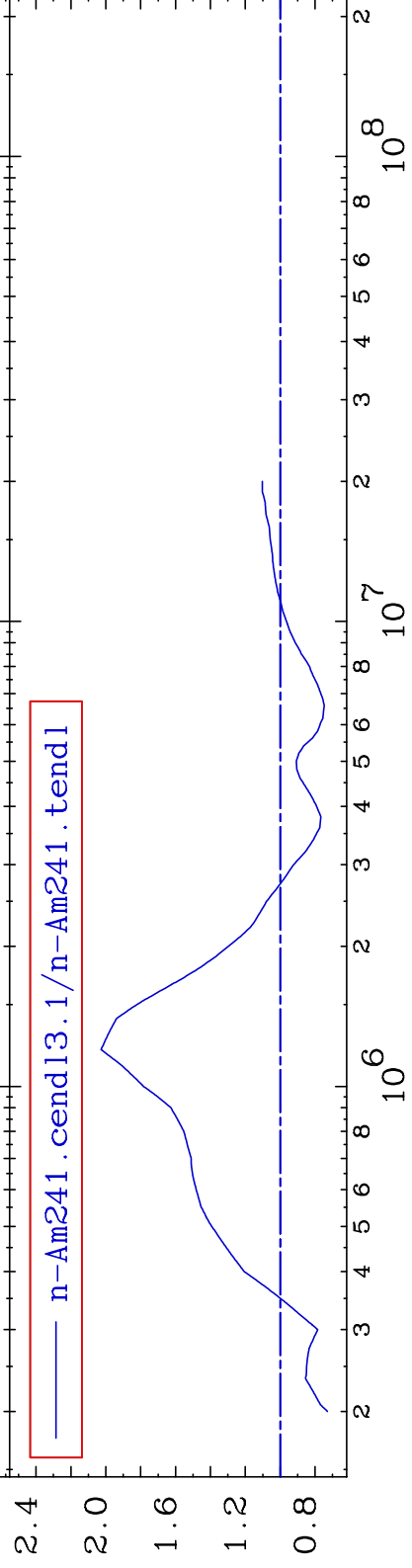
MAT 9543

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

95-Am-241
-27.07 To 102.7 %



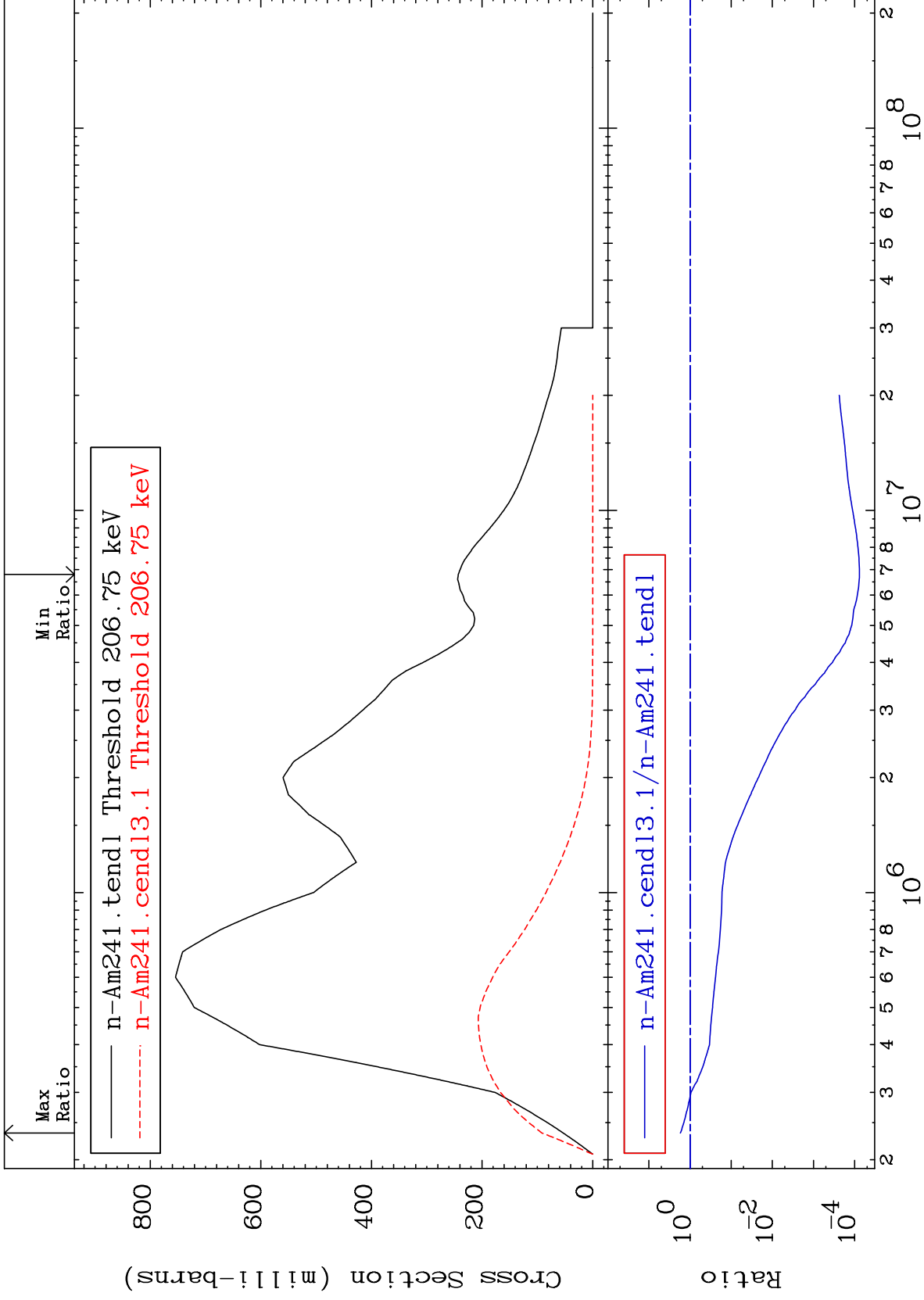
Ratio



MAT 9543

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

95-Am-241
-99.99 To 71.67 %



10

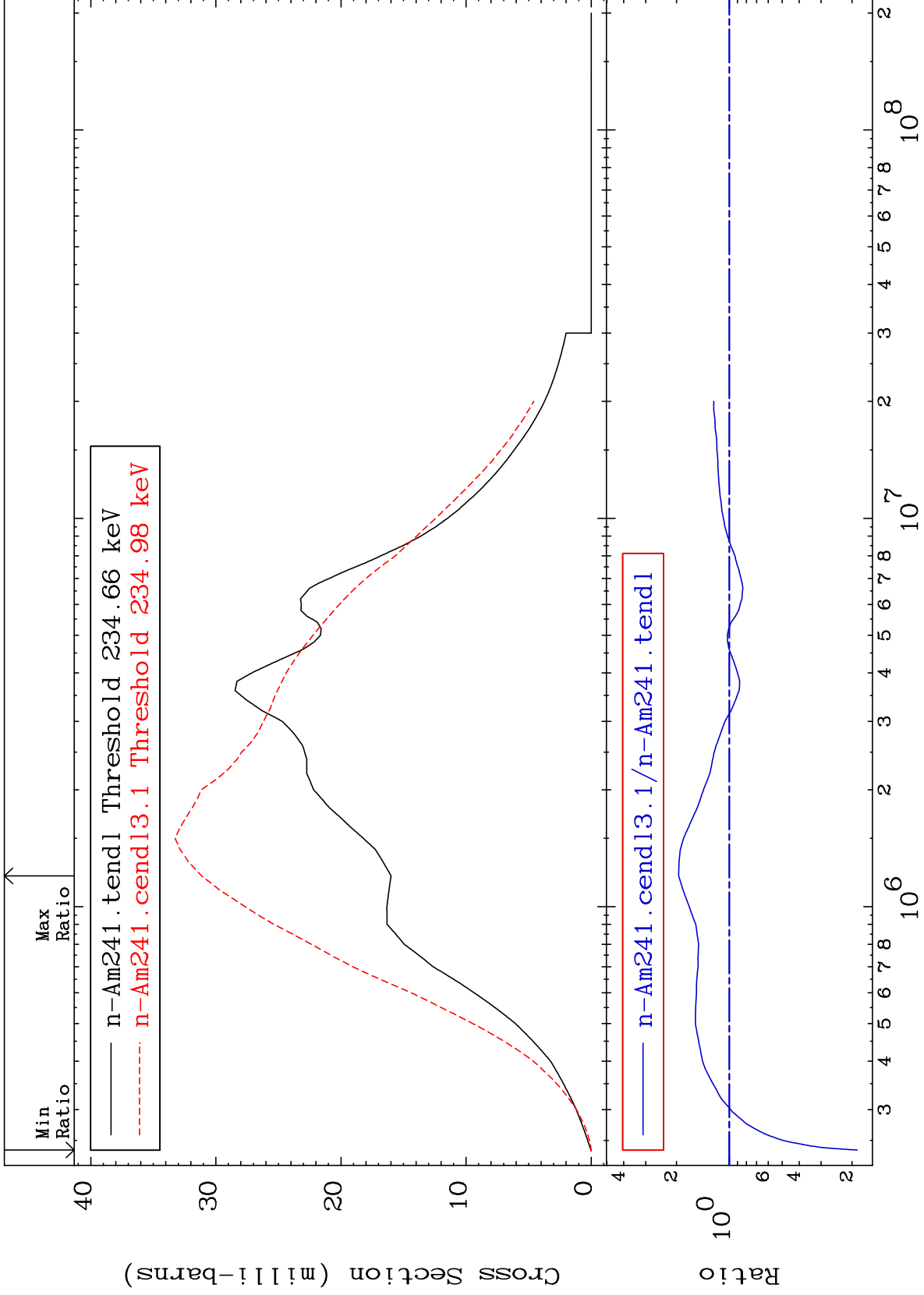
Incident Energy (eV)

95-Am-241

MAT 9543

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

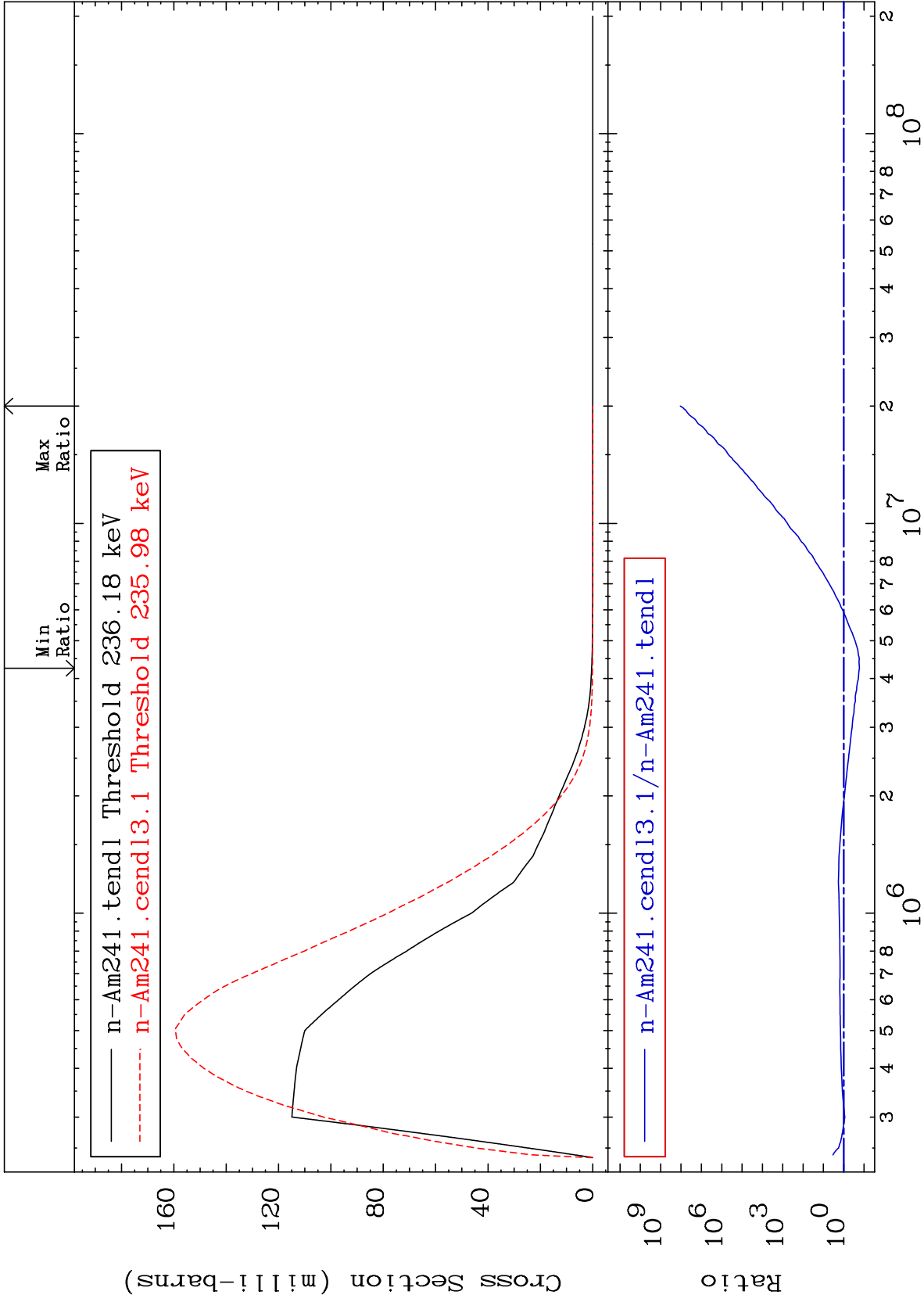
95-Am-241
-81.33 To 94.65 %



MAT 9543

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

95-Am-241
-83.06 To 9999. %



12

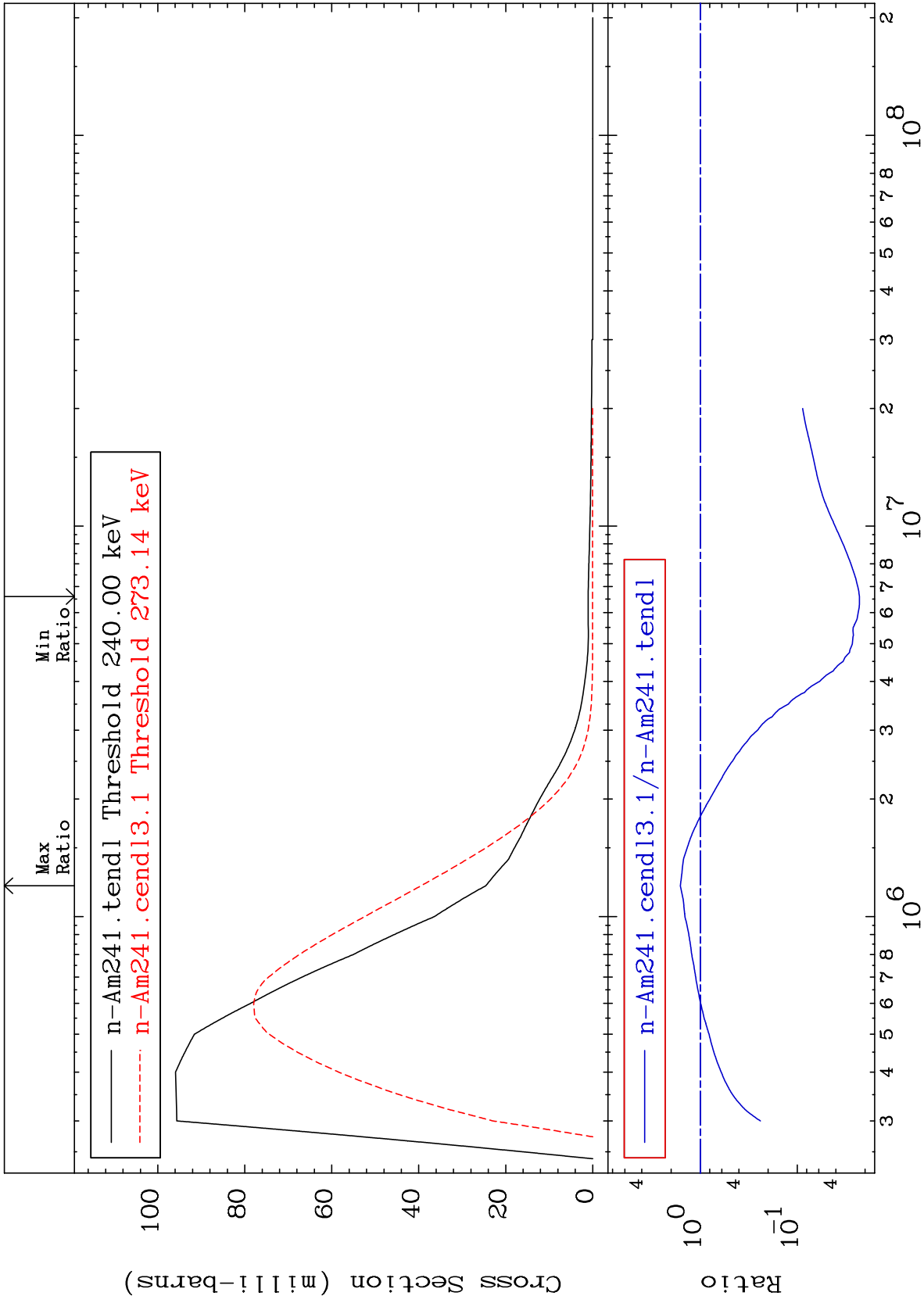
Incident Energy (eV)

95-Am-241

MAT 9543

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

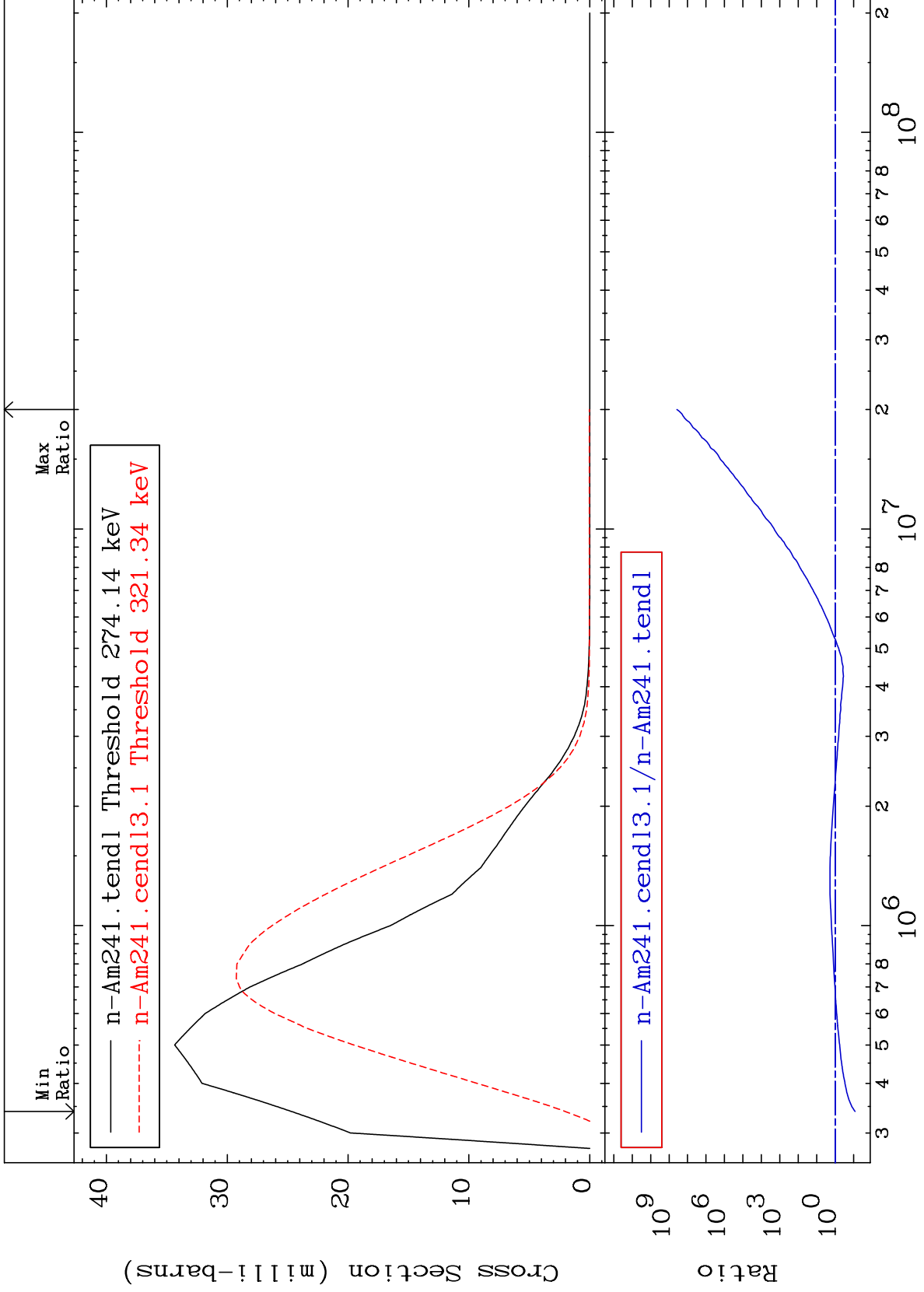
95-Am-241
-97.71 To 60.36 %



MAT 9543

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

95-Am-241
-91.74 To 9999. %



14

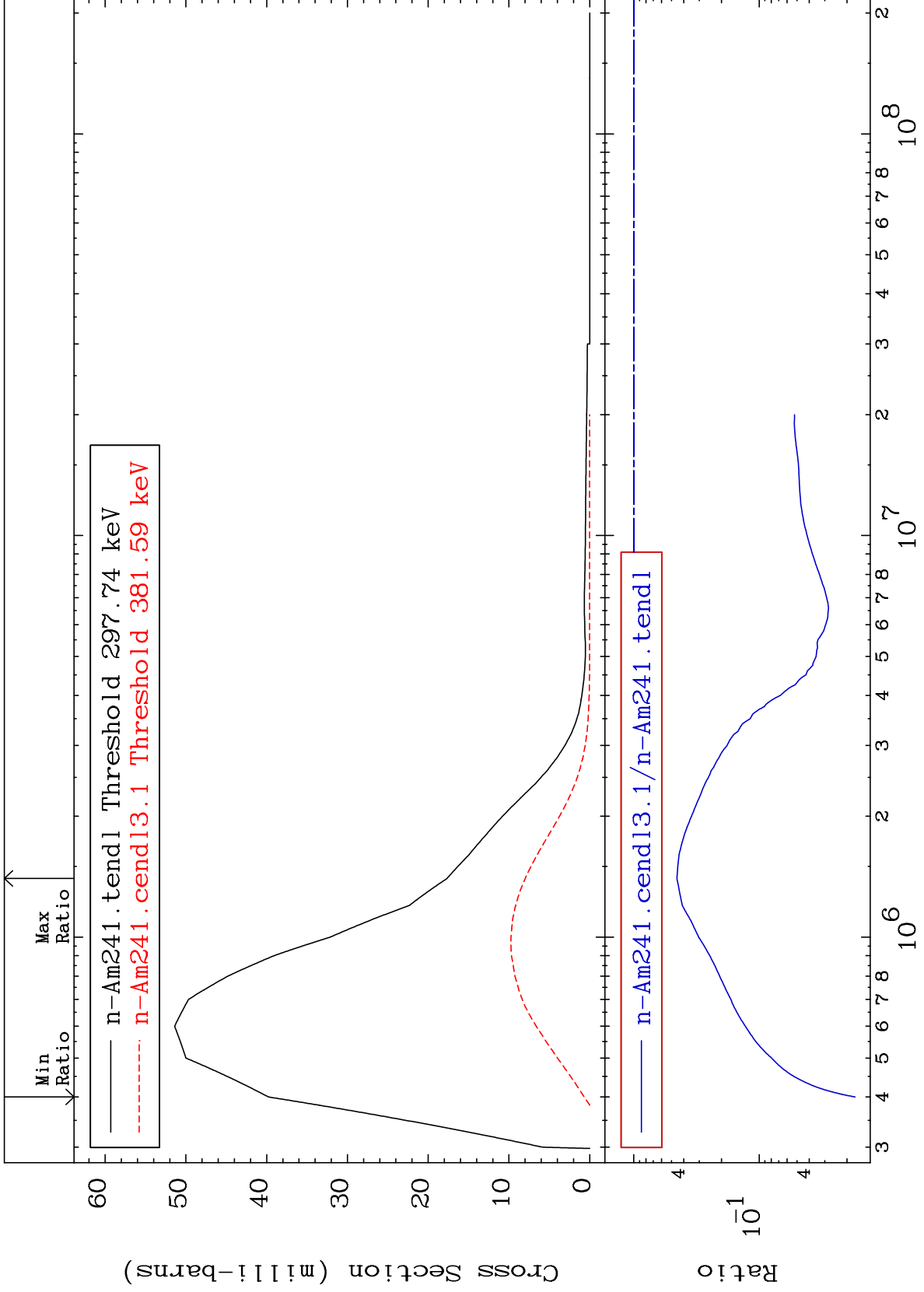
Incident Energy (eV)

95-Am-241

MAT 9543

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

95-Am-241
-98.28 To -54.74%

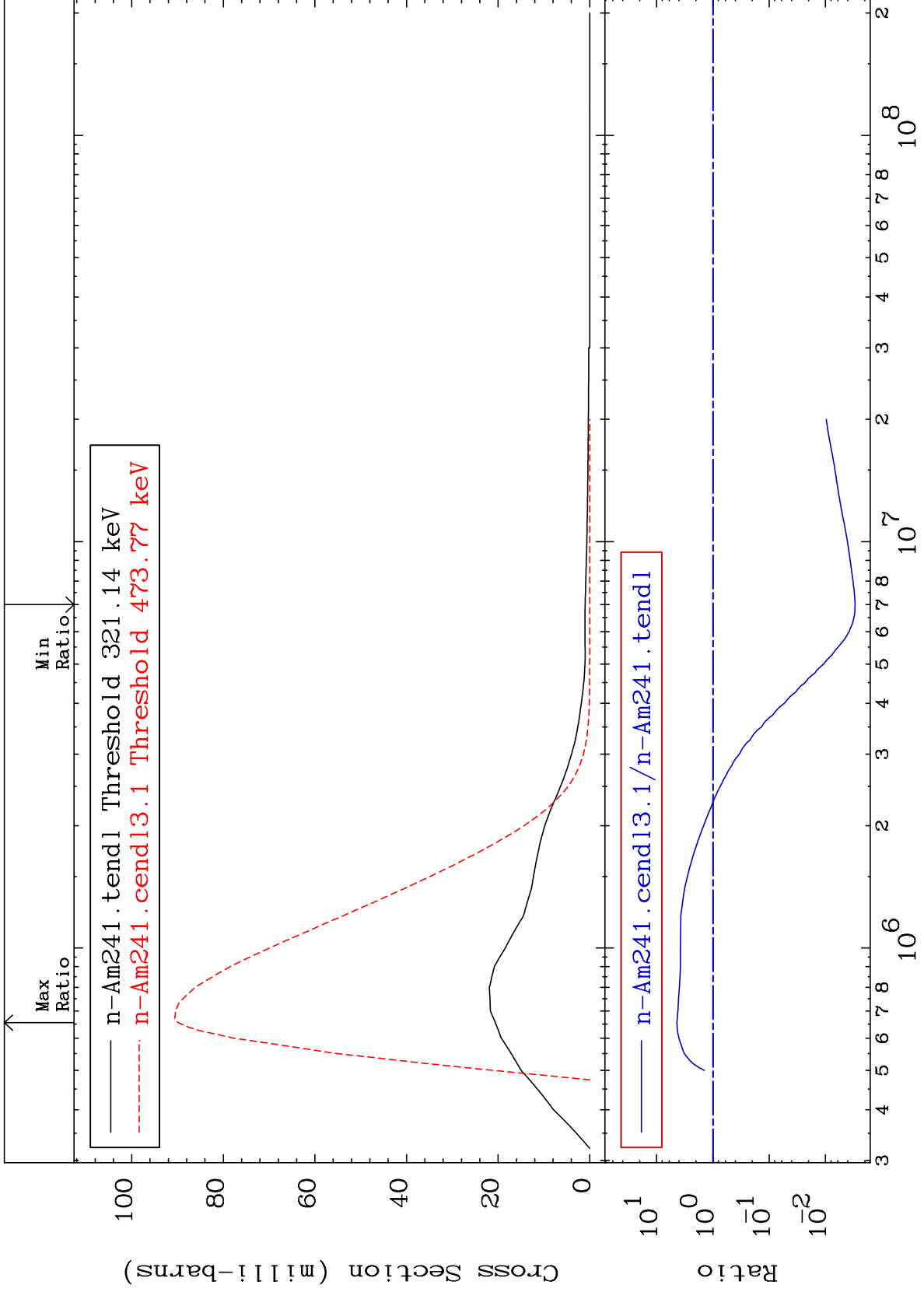


15

MAT 9543

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

95-Am-241
-99.70 To 336.1 %



16

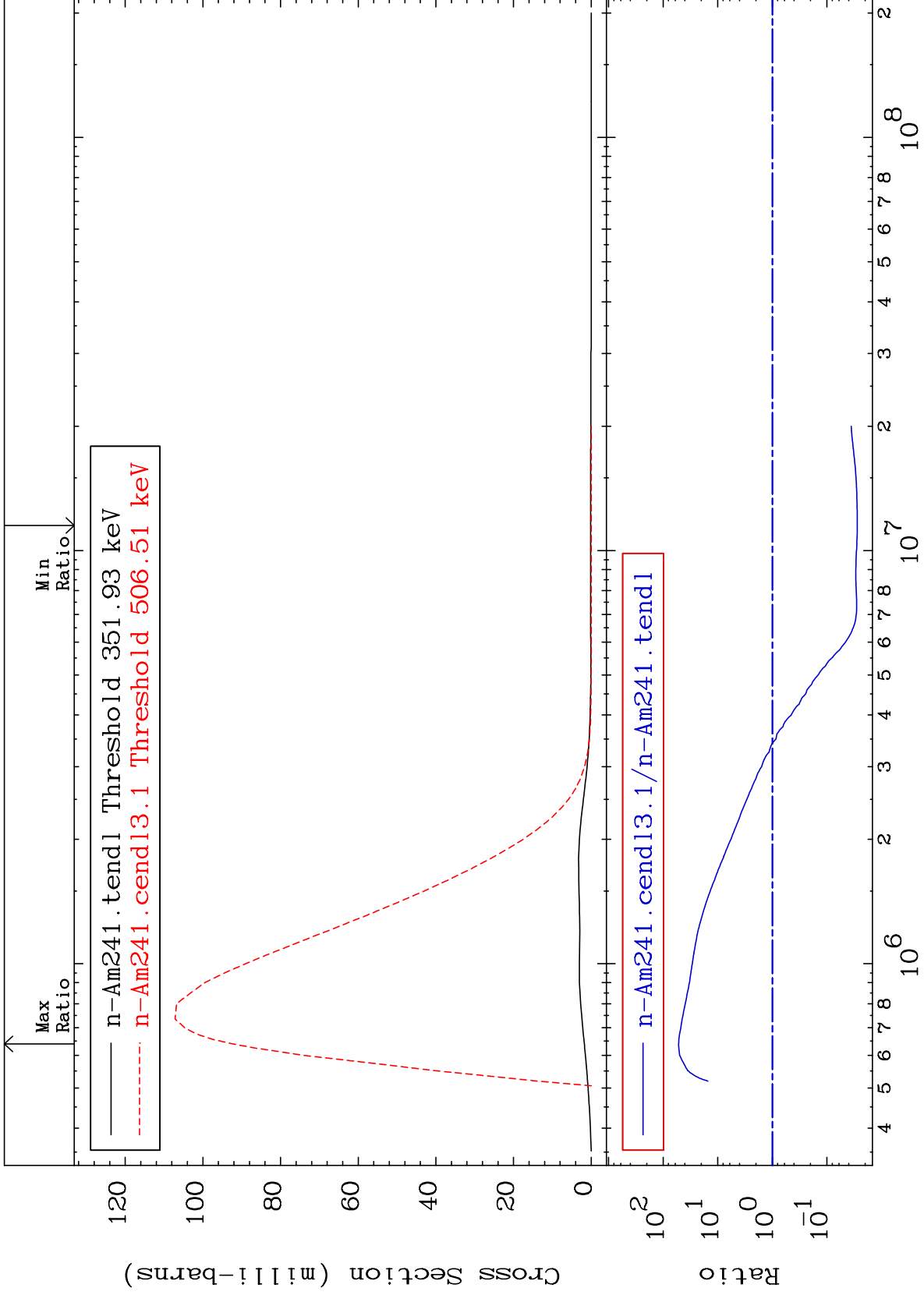
Incident Energy (eV)

95-Am-241

MAT 9543

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

95-Am-241
-97.22 To 5106. %



17

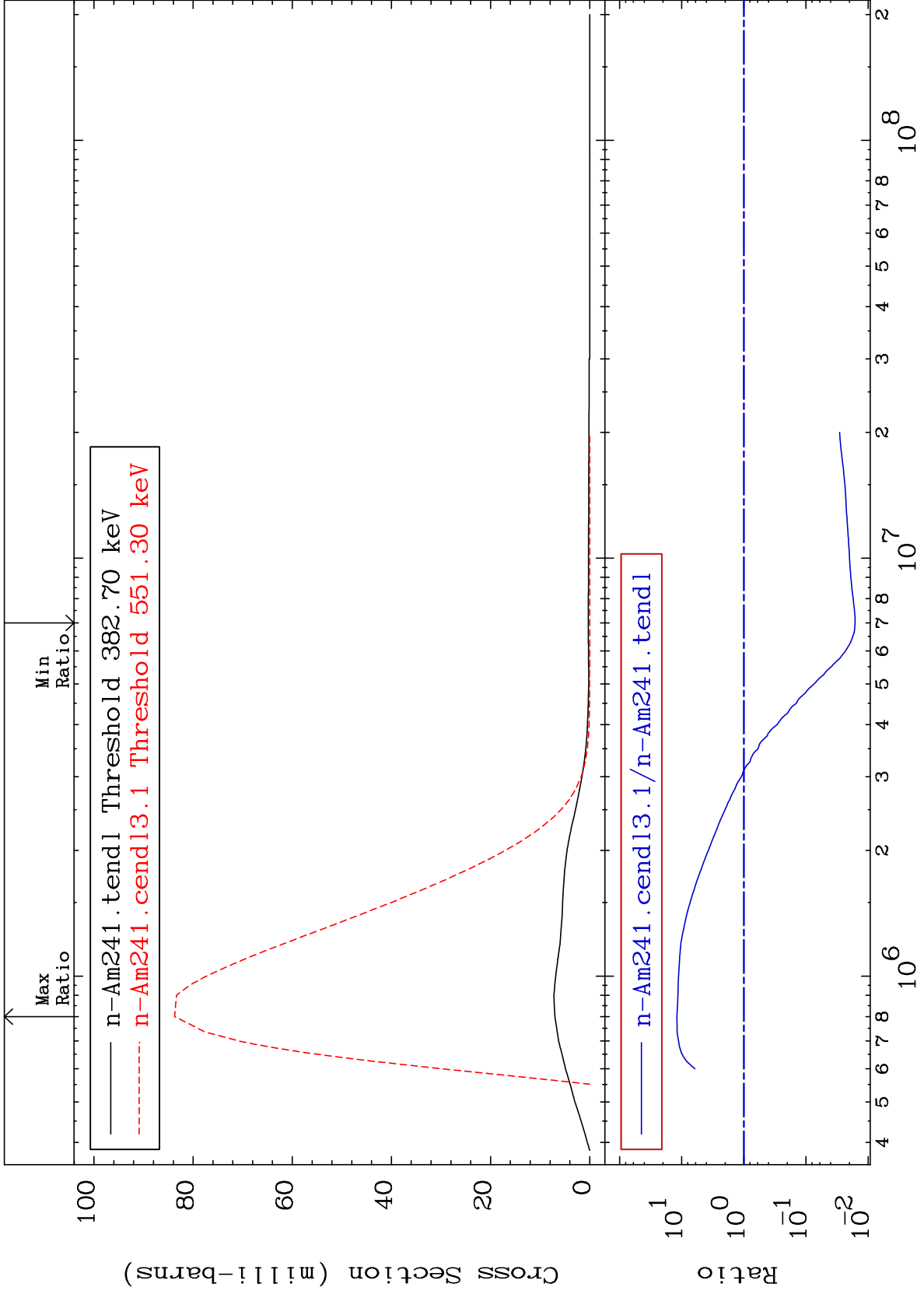
Incident Energy (eV)

95-Am-241

MAT 9543

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

95-Am-241
-98.38 To 1093. %



18

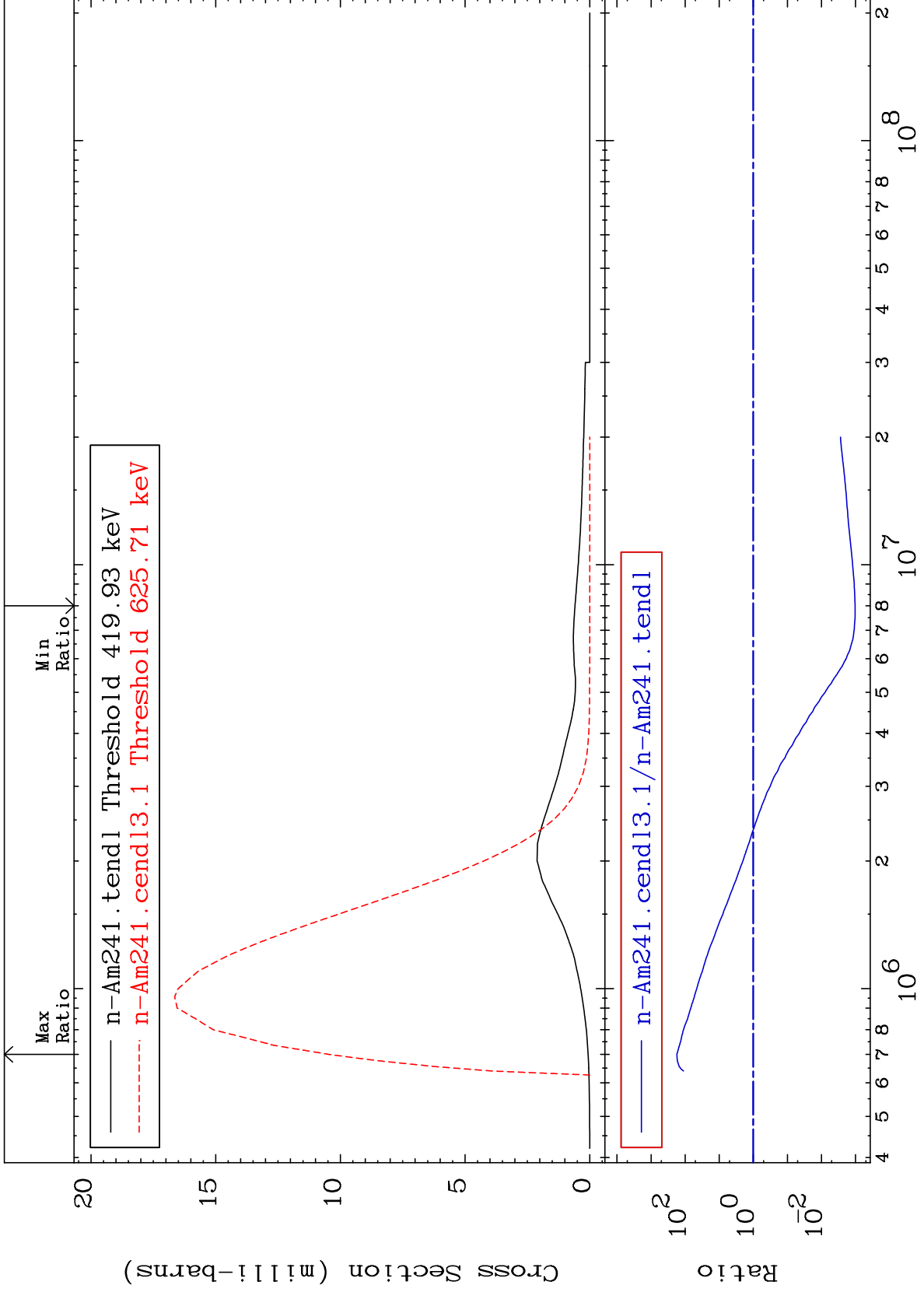
Incident Energy (eV)

95-Am-241

MAT 9543

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

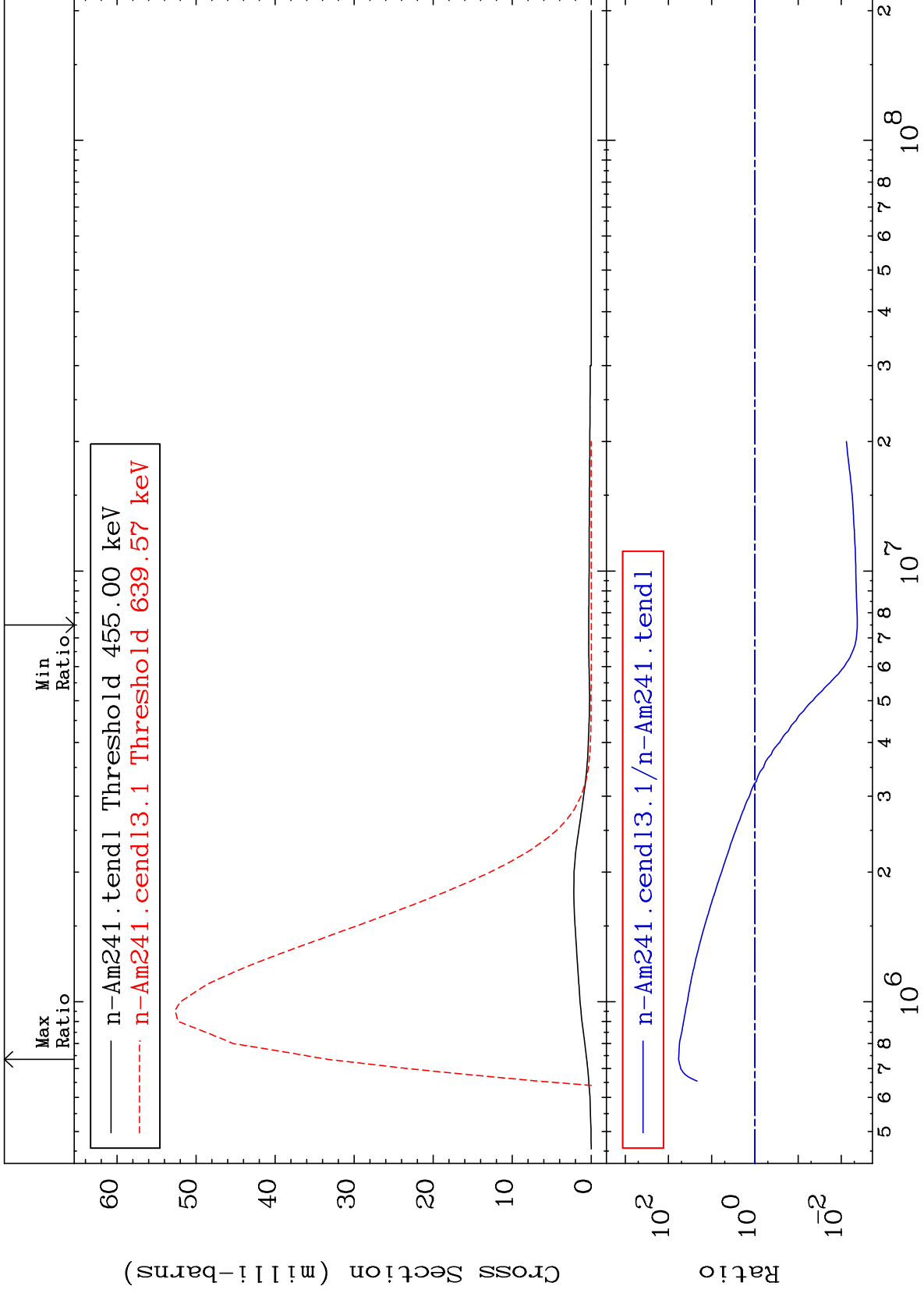
95-Am-241
-99.90 To 9999. %



MAT 9543

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

95-Am-241
-99.57 To 5722. %



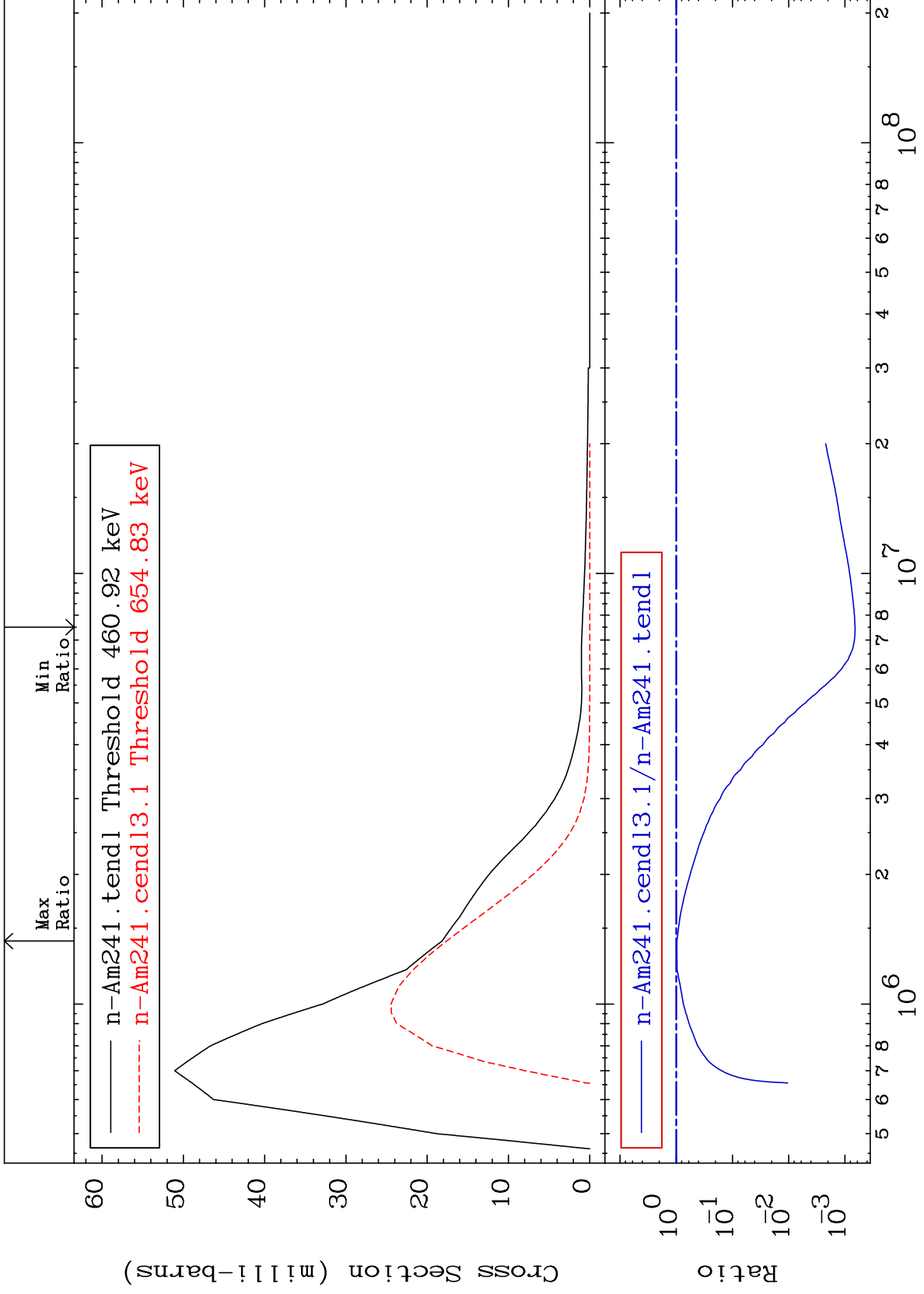
20

95-Am-241

MAT 9543

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

95-Am-241
-99.93 To -3.081%



21

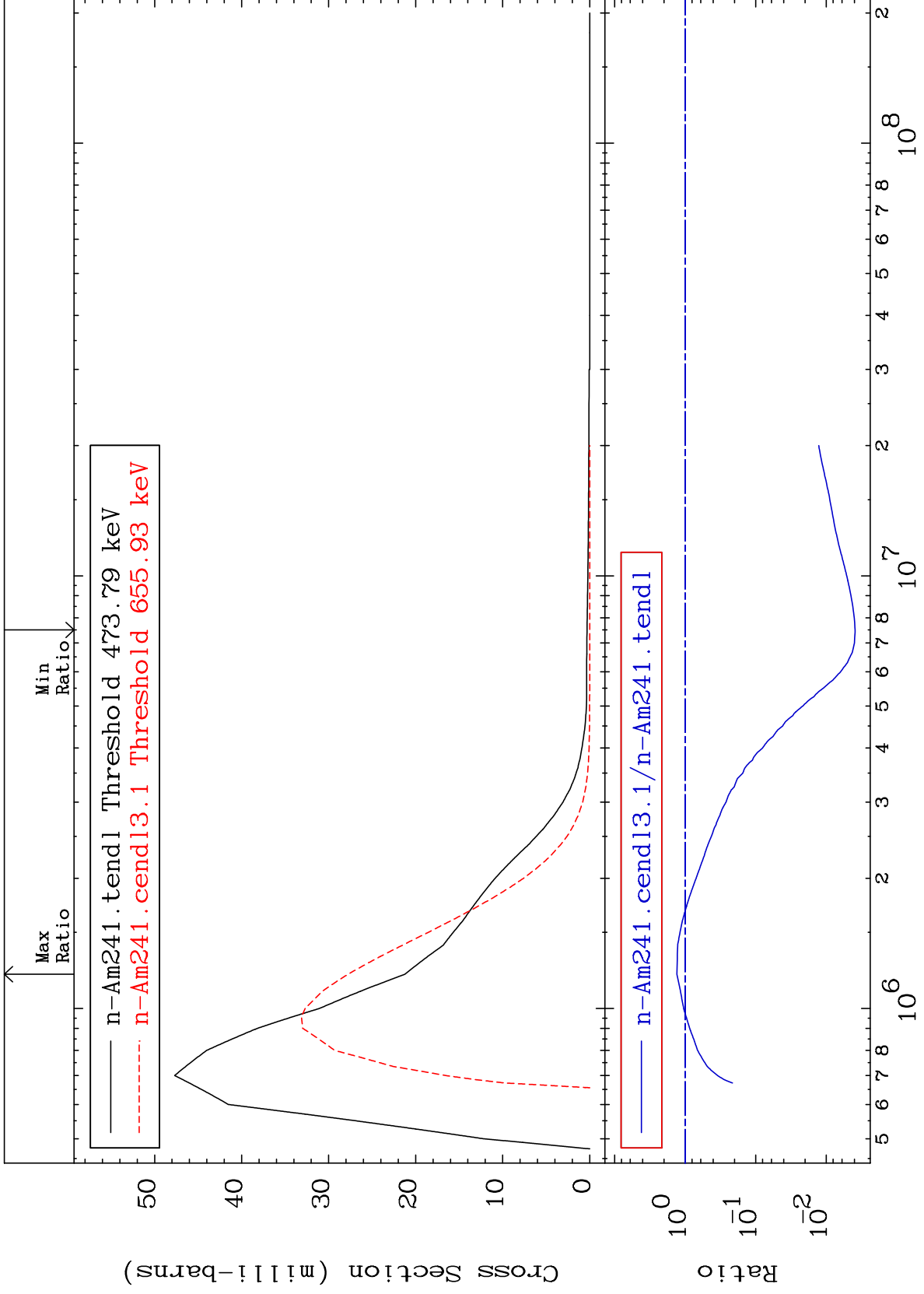
Incident Energy (eV)

95-Am-241

MAT 9543

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

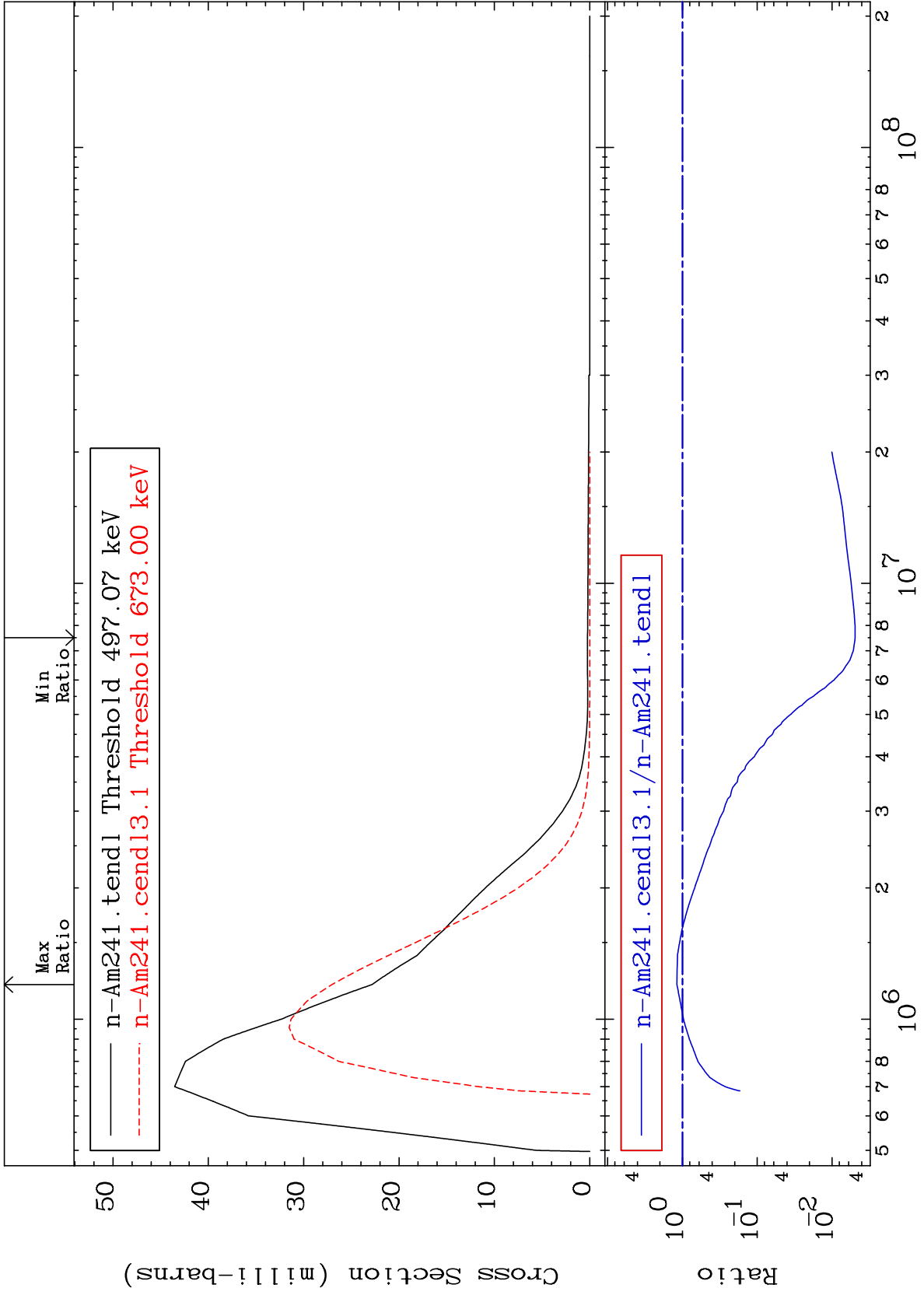
95-Am-241
-99.61 To 30.85 %



MAT 9543

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

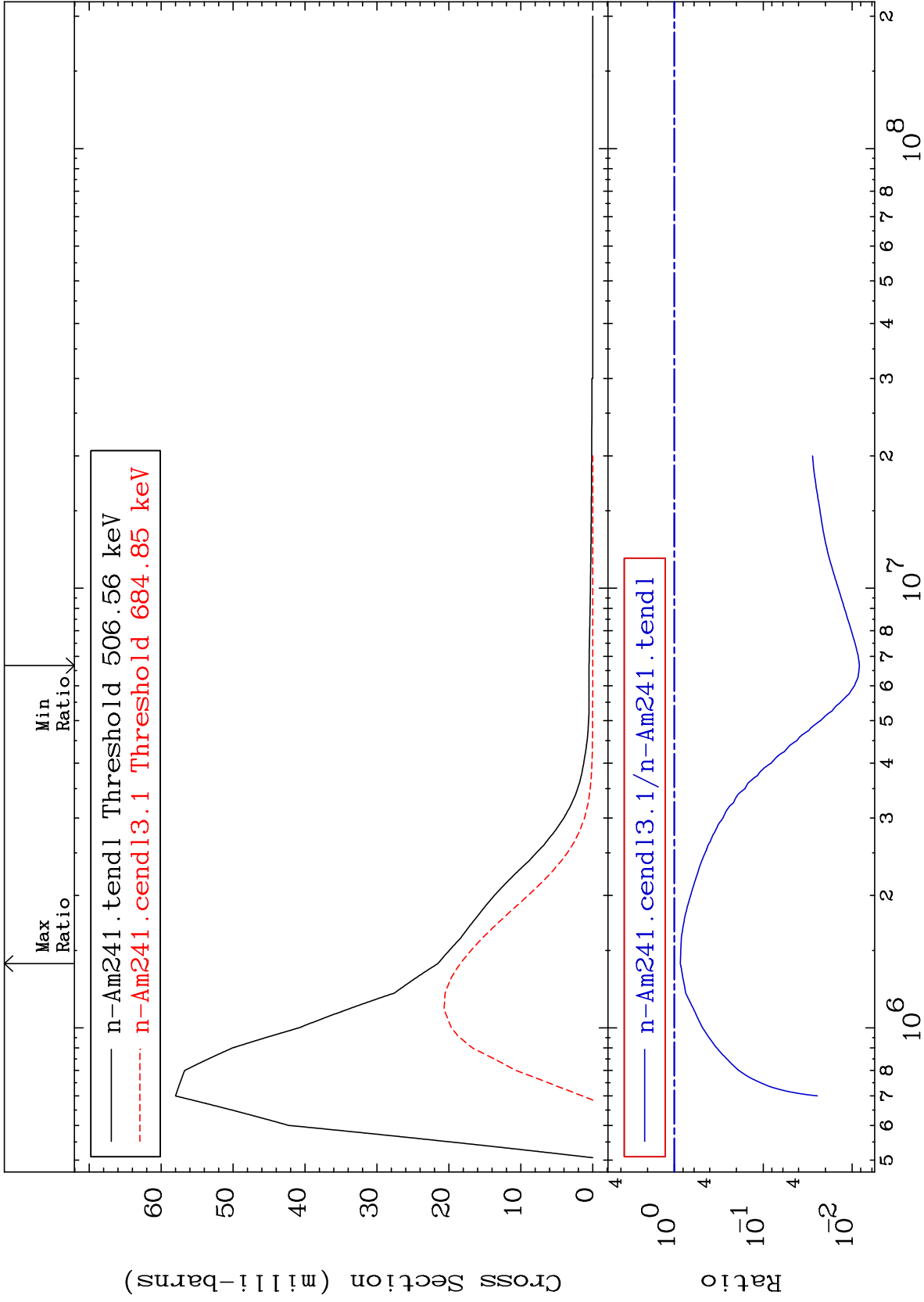
95-Am-241
-99.51 To 18.37 %



MAT 9543

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

95-Am-241
-99.17 To -14.40%



24

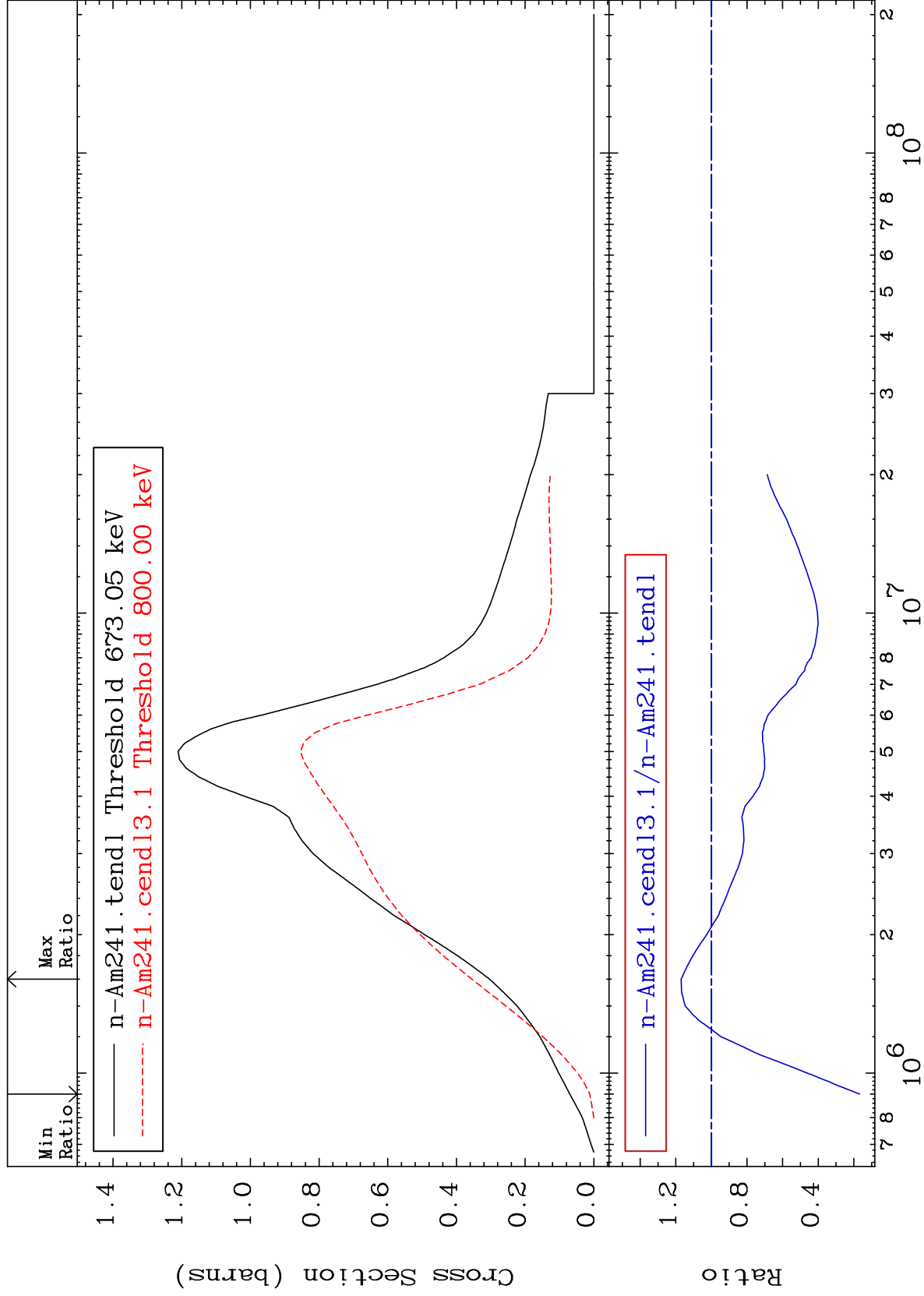
Incident Energy (eV)

95-Am-241

MAT 9543

(n, n') Continuum
Cross Section

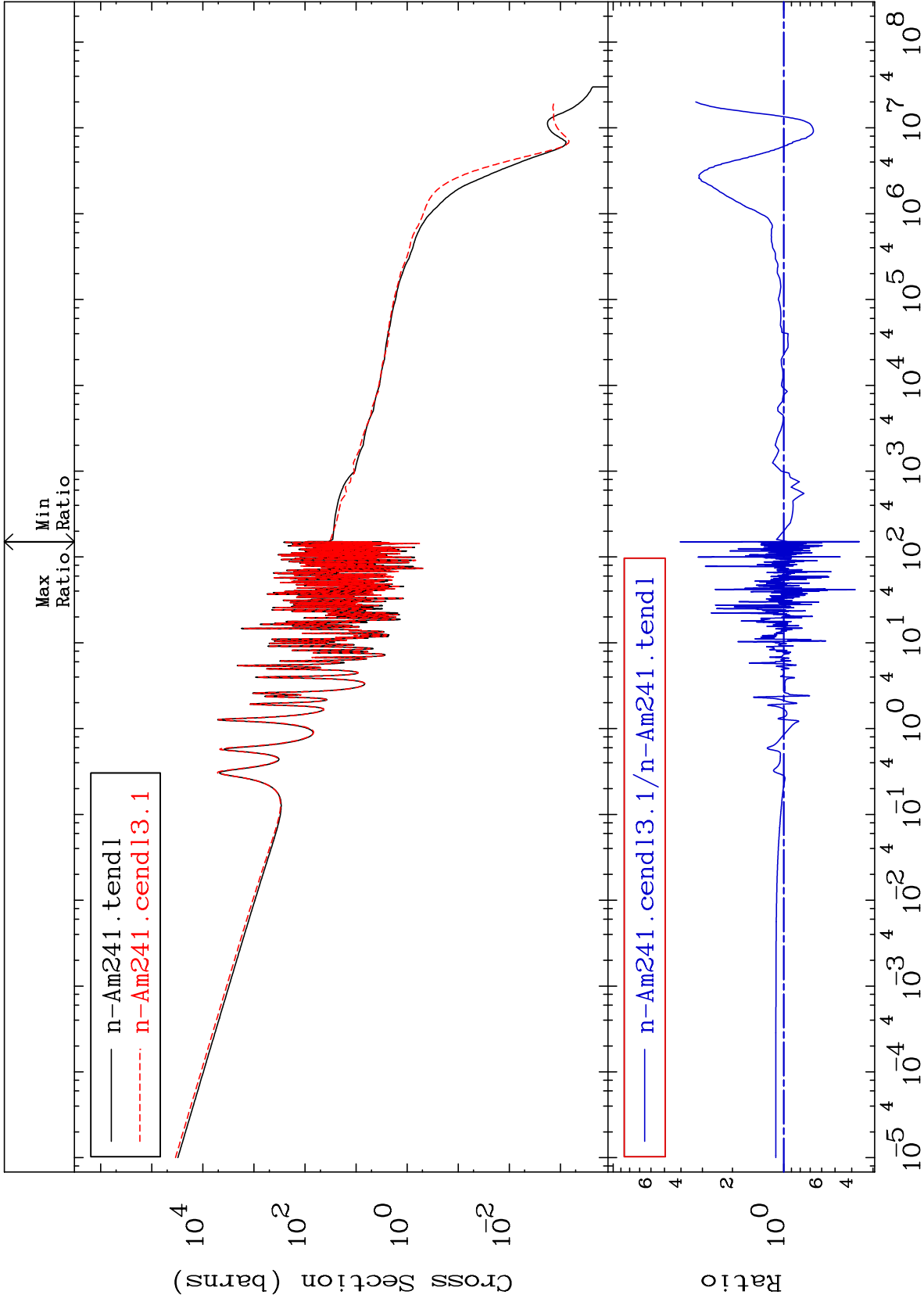
95-Am-241
-83.26 To 16.98 %



MAT 9543

(n, γ)
Cross Section

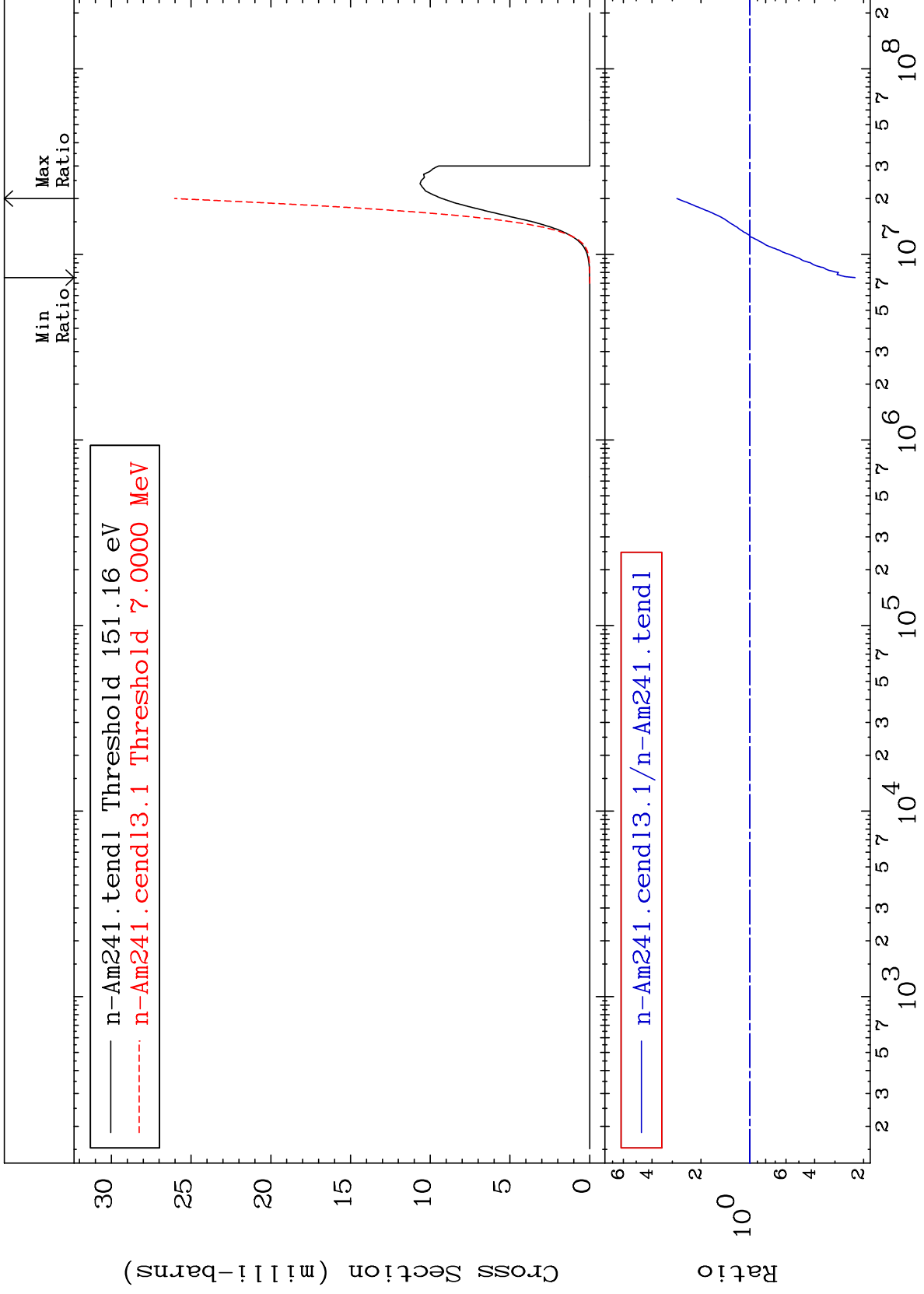
95-Am-241
-64.00 To 303.7 %



MAT 9543

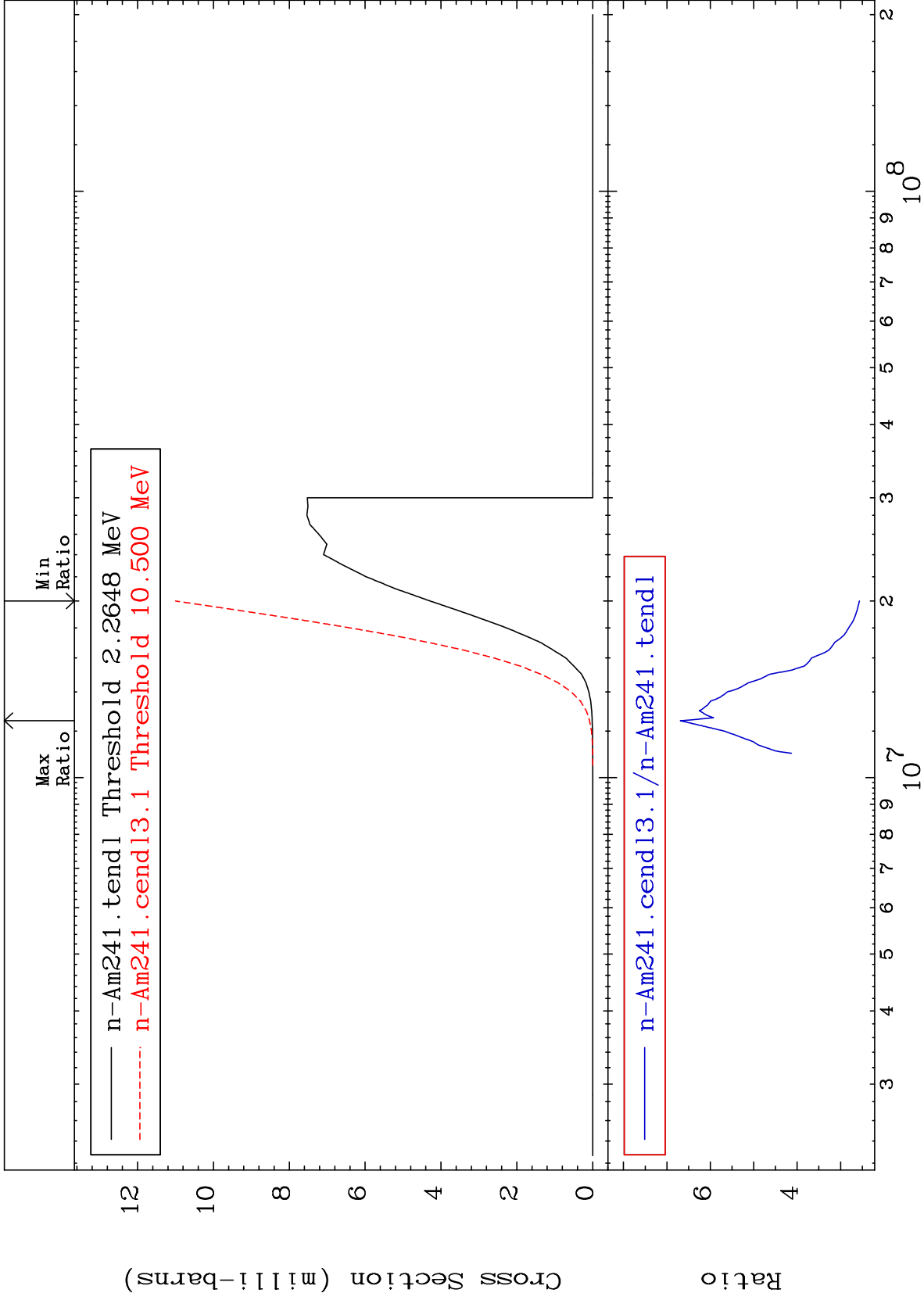
(n,p)
Cross Section

95-Am-241
-77.44 To 181.2 %



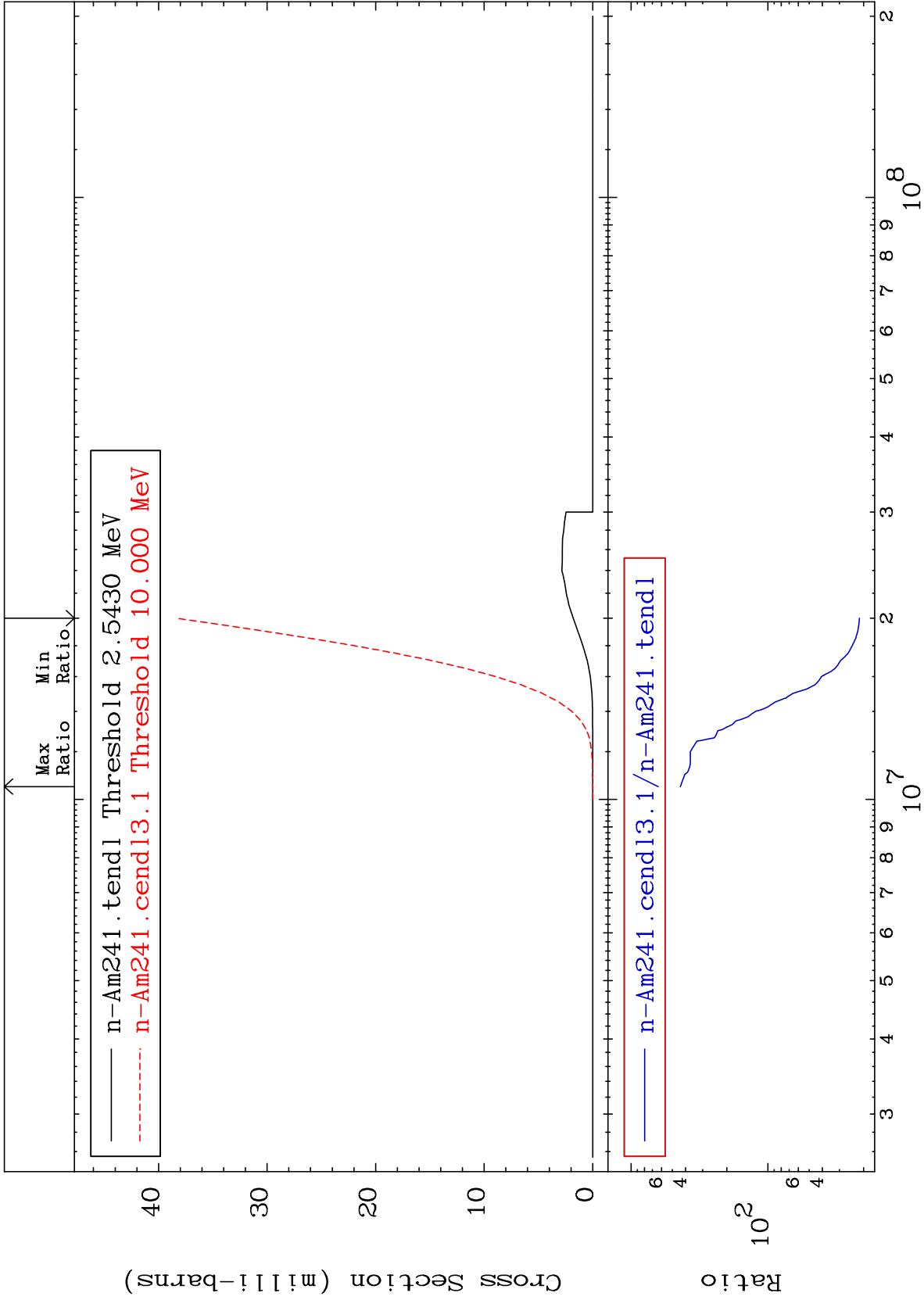
MAT 9543

(n, d) Cross Section 95-Am-241
156.6 To 569.0 %



MAT 9543

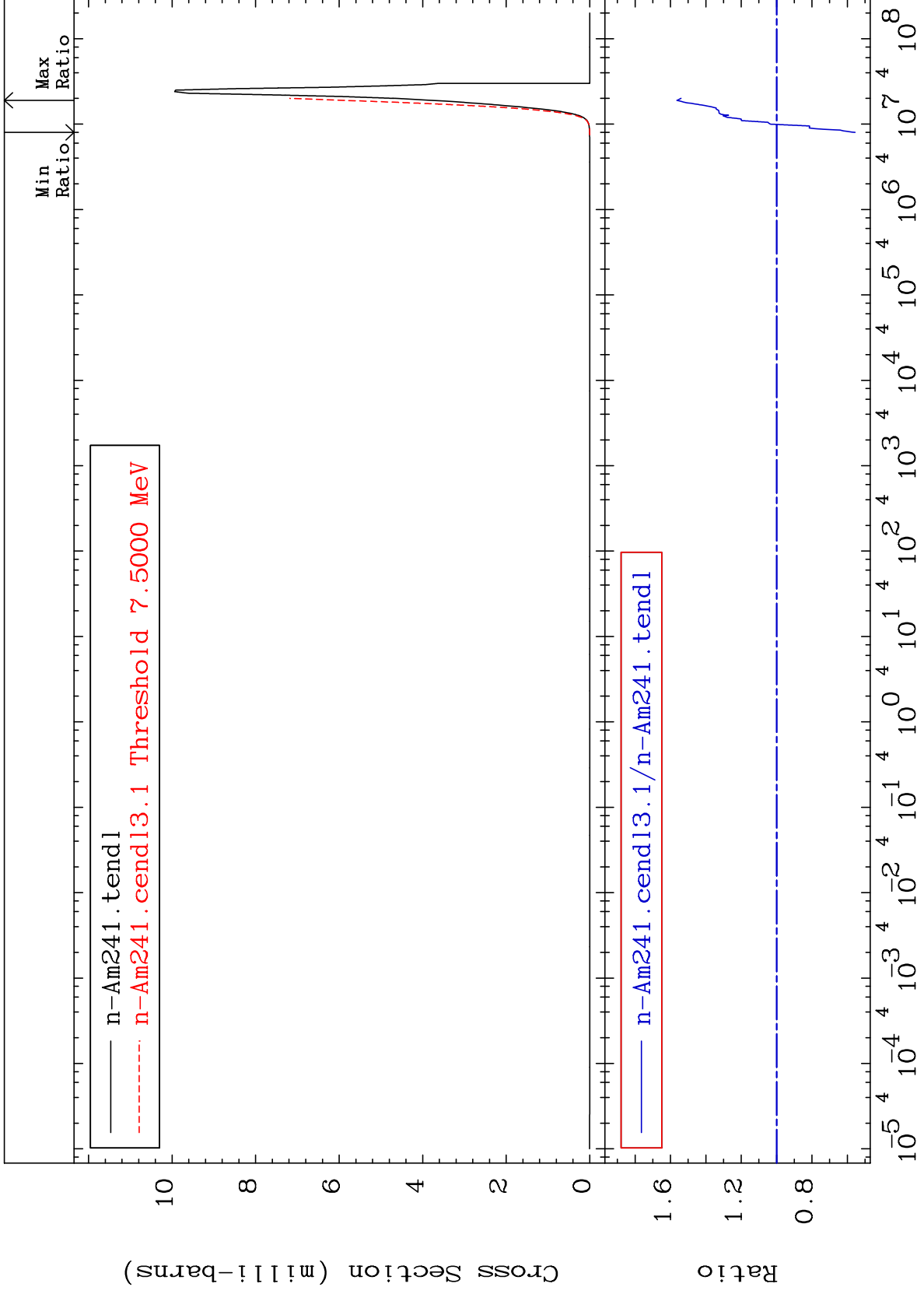
(n, t)
Cross Section
95-Am-241
2042. To 9999. %



MAT 9543

(n, α)
Cross Section

95-Am-241
-44.38 To 56.35 %



30

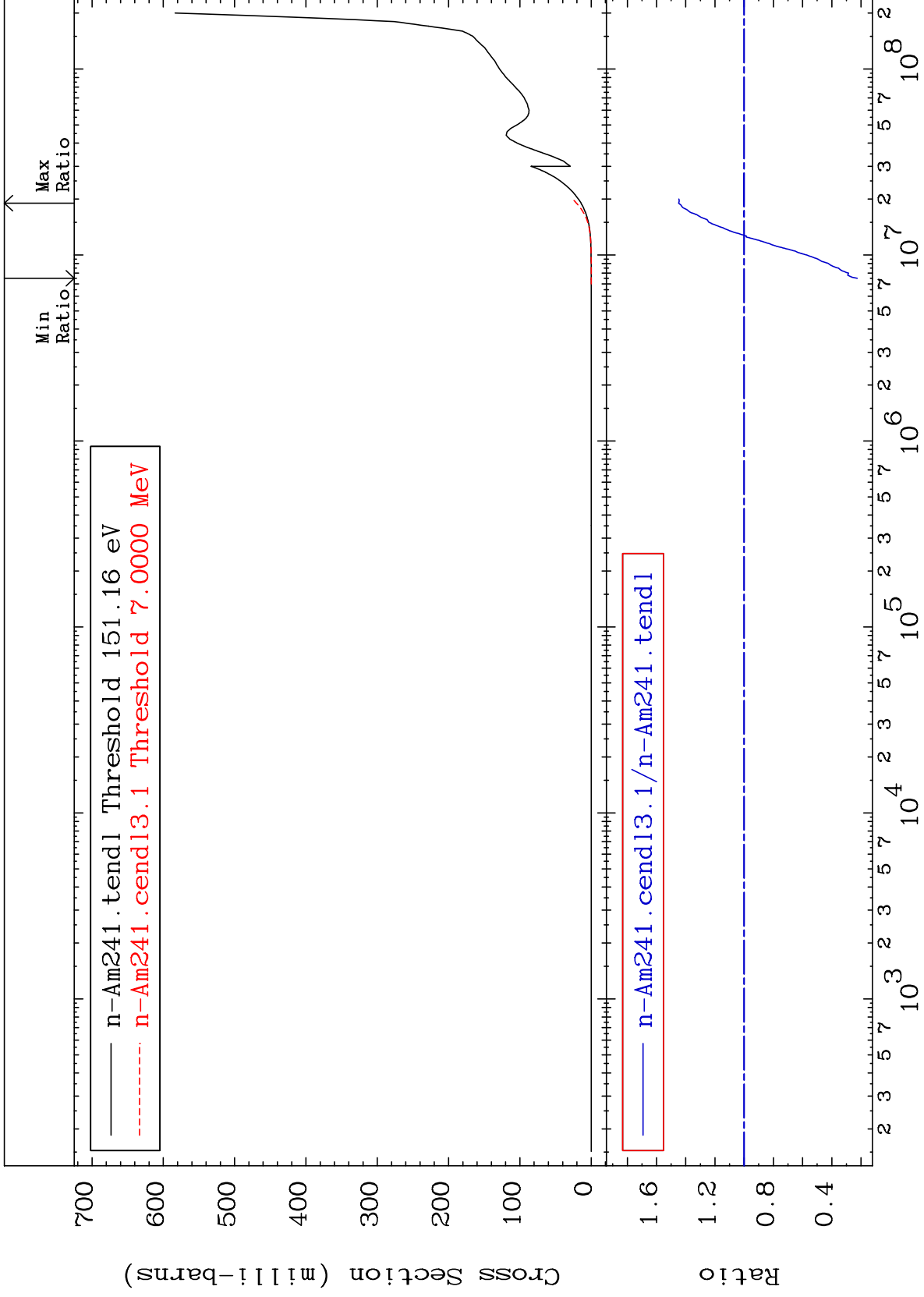
Incident Energy (eV)

95-Am-241

MAT 9543

Hydrogen Production Cross Section

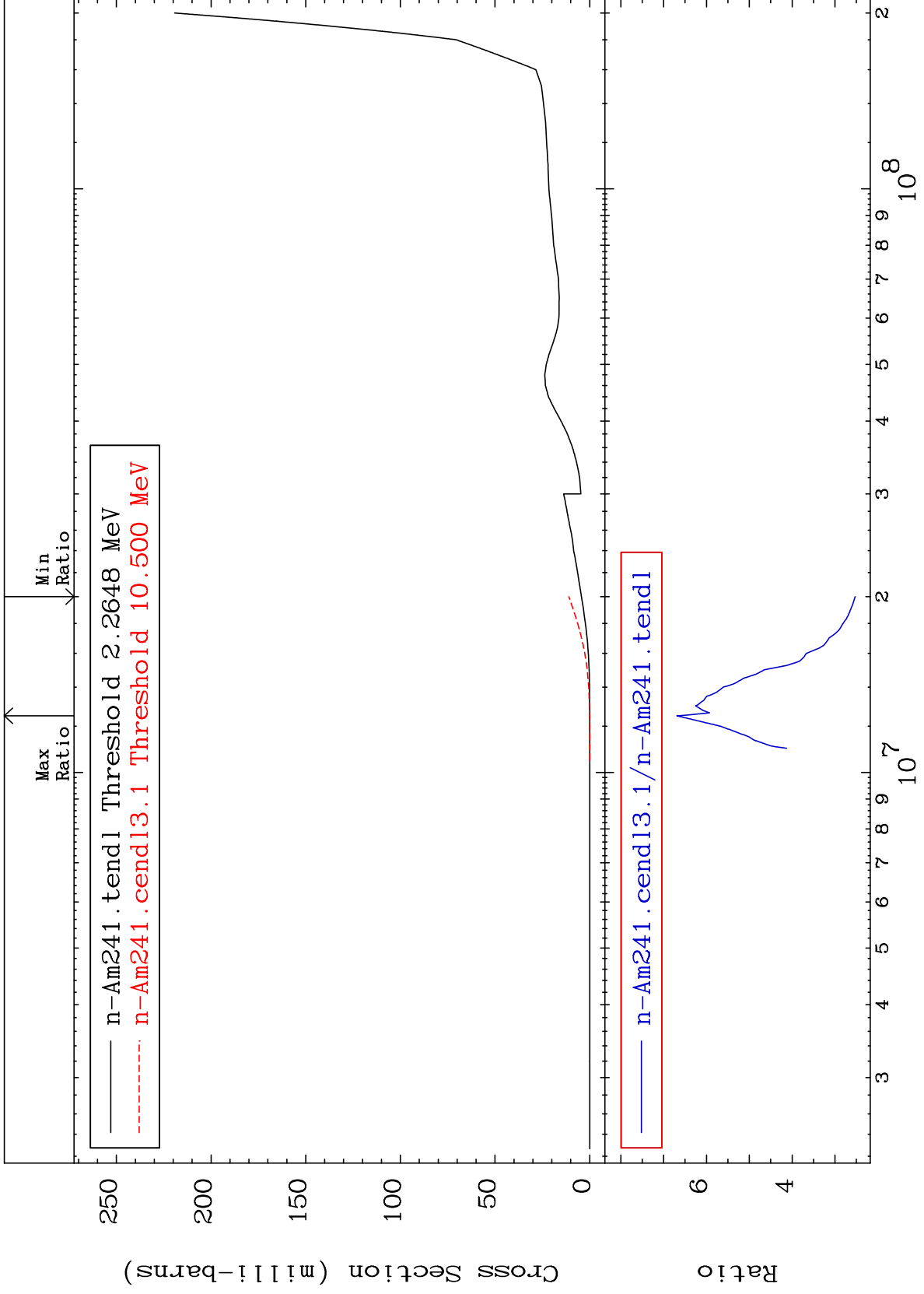
95-Am-241
-77.44 To 44.87 %



MAT 9543

Deuterium Production
Cross Section

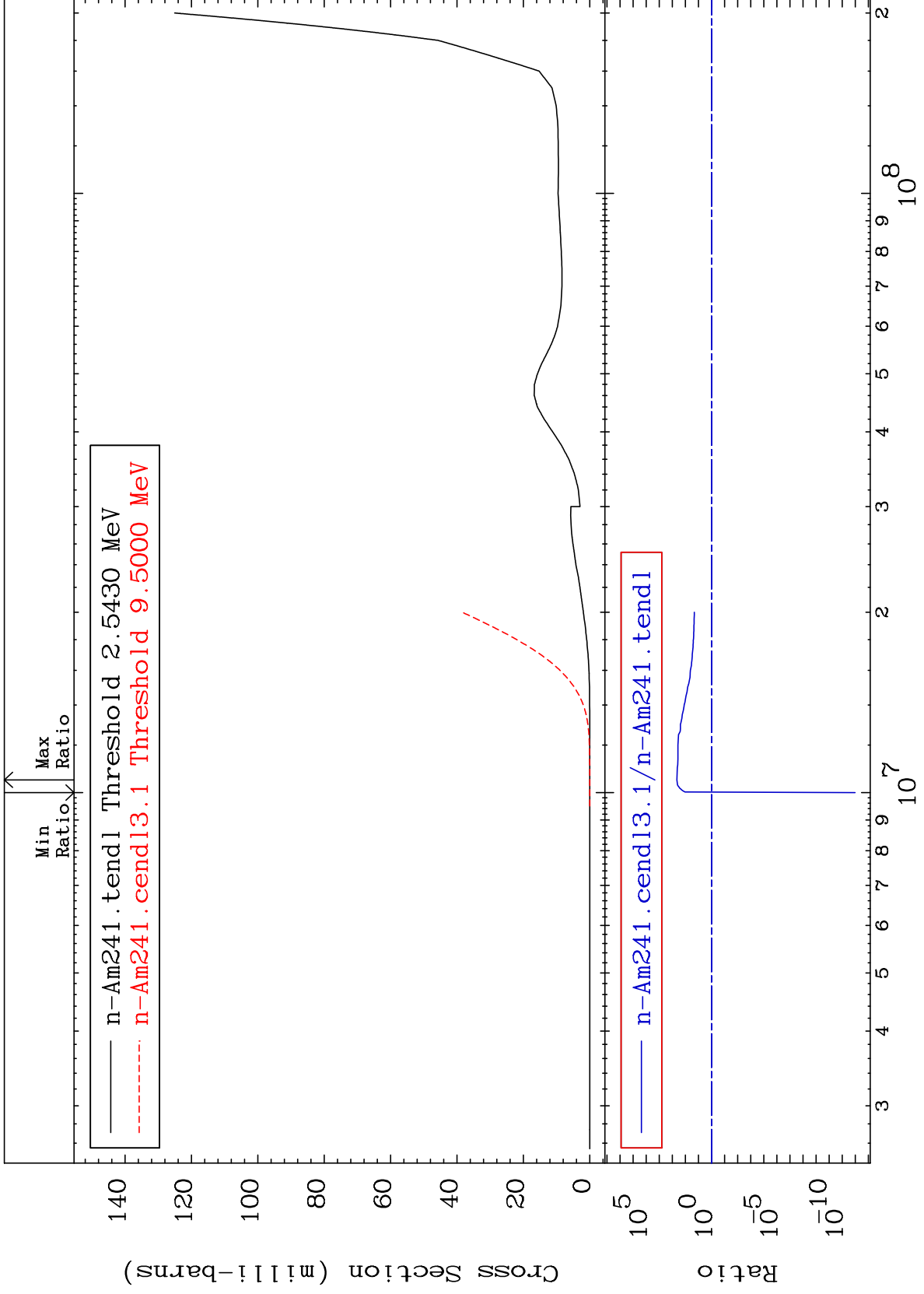
95-Am-241
153.0 To 569.0 %



MAT 9543

Tritium Production
Cross Section

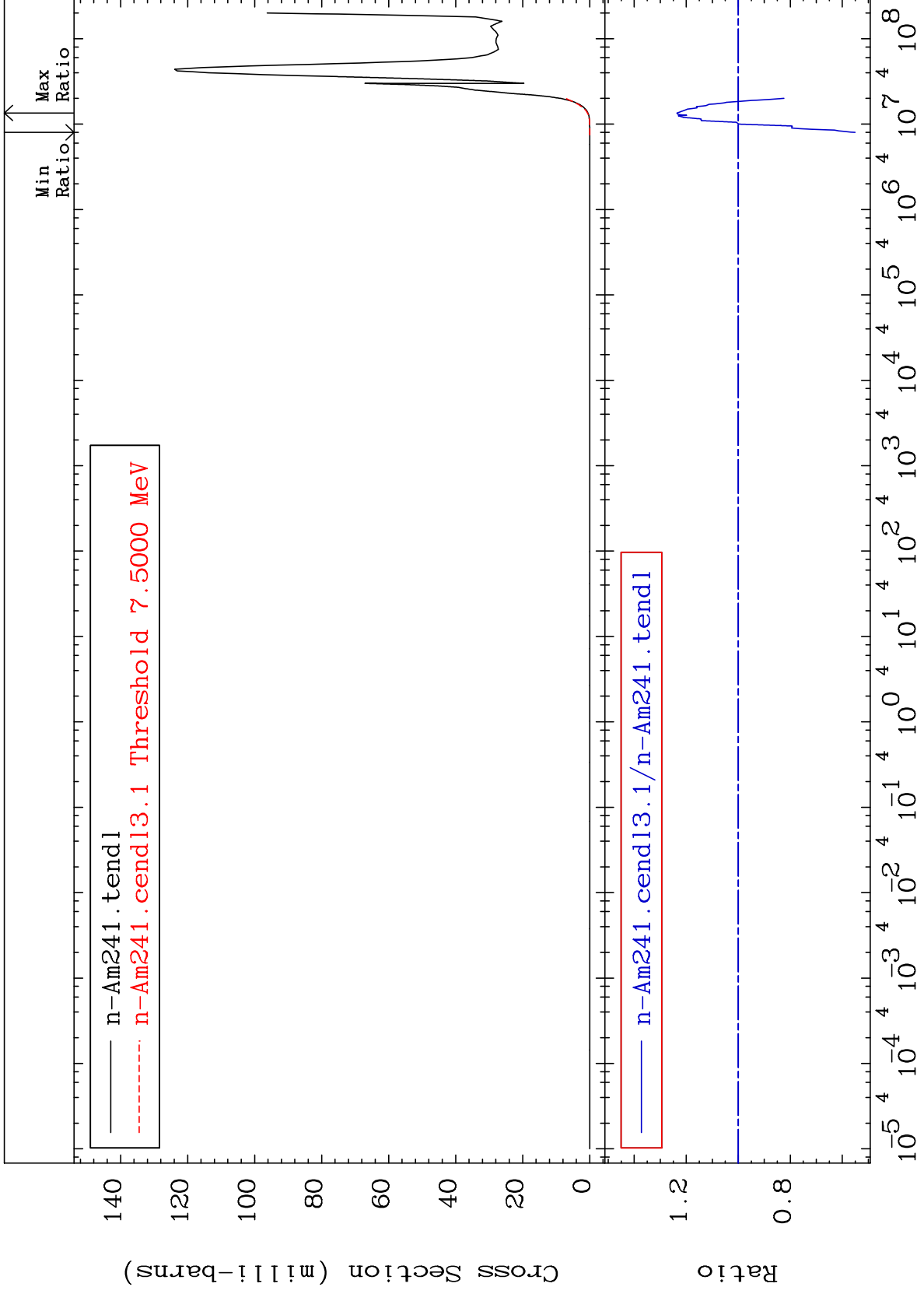
95-Am-241
-100.0 To 9999. %

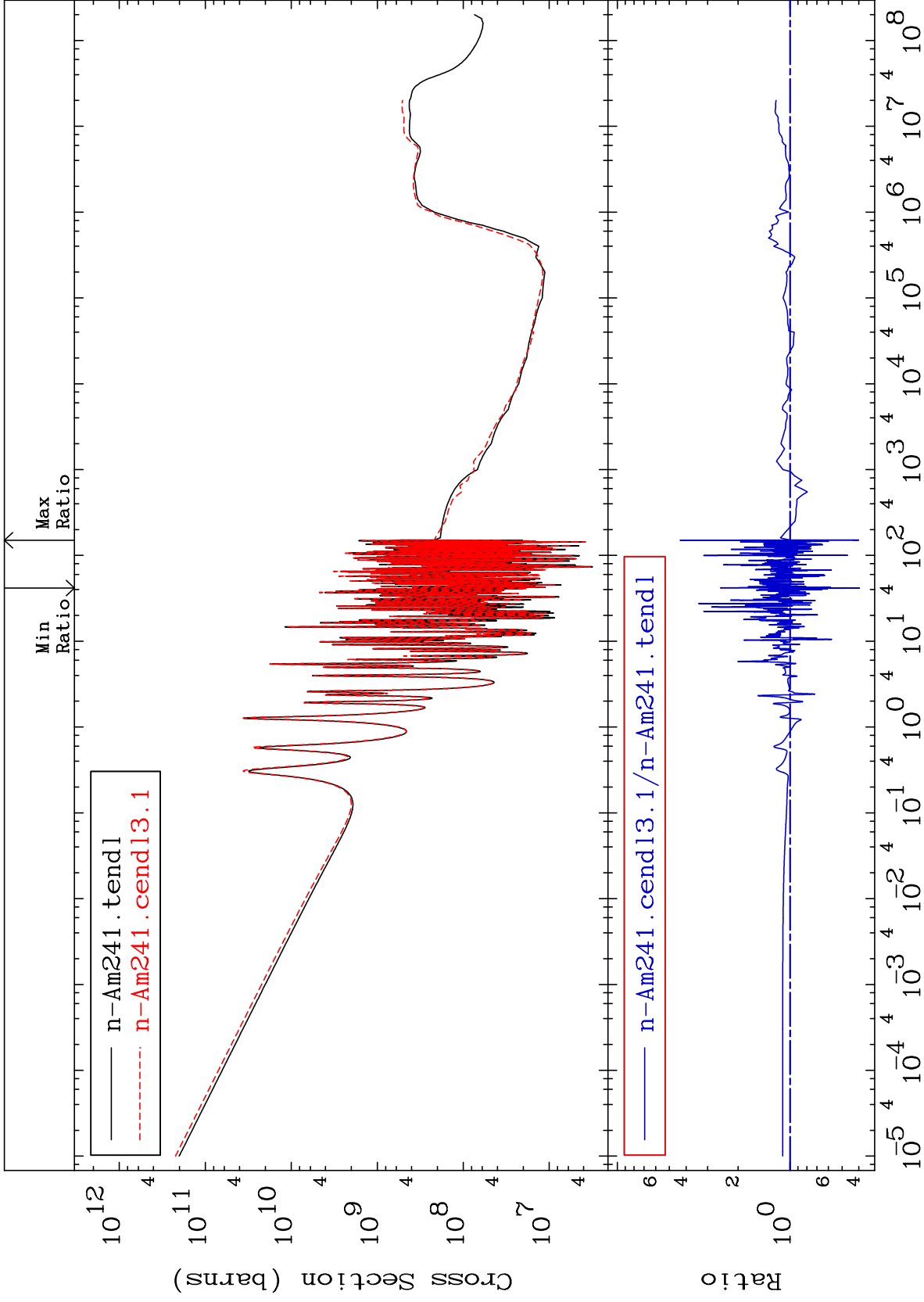


MAT 9543

He-4 Production
Cross Section

95-Am-241
-44.91 To 23.59 %

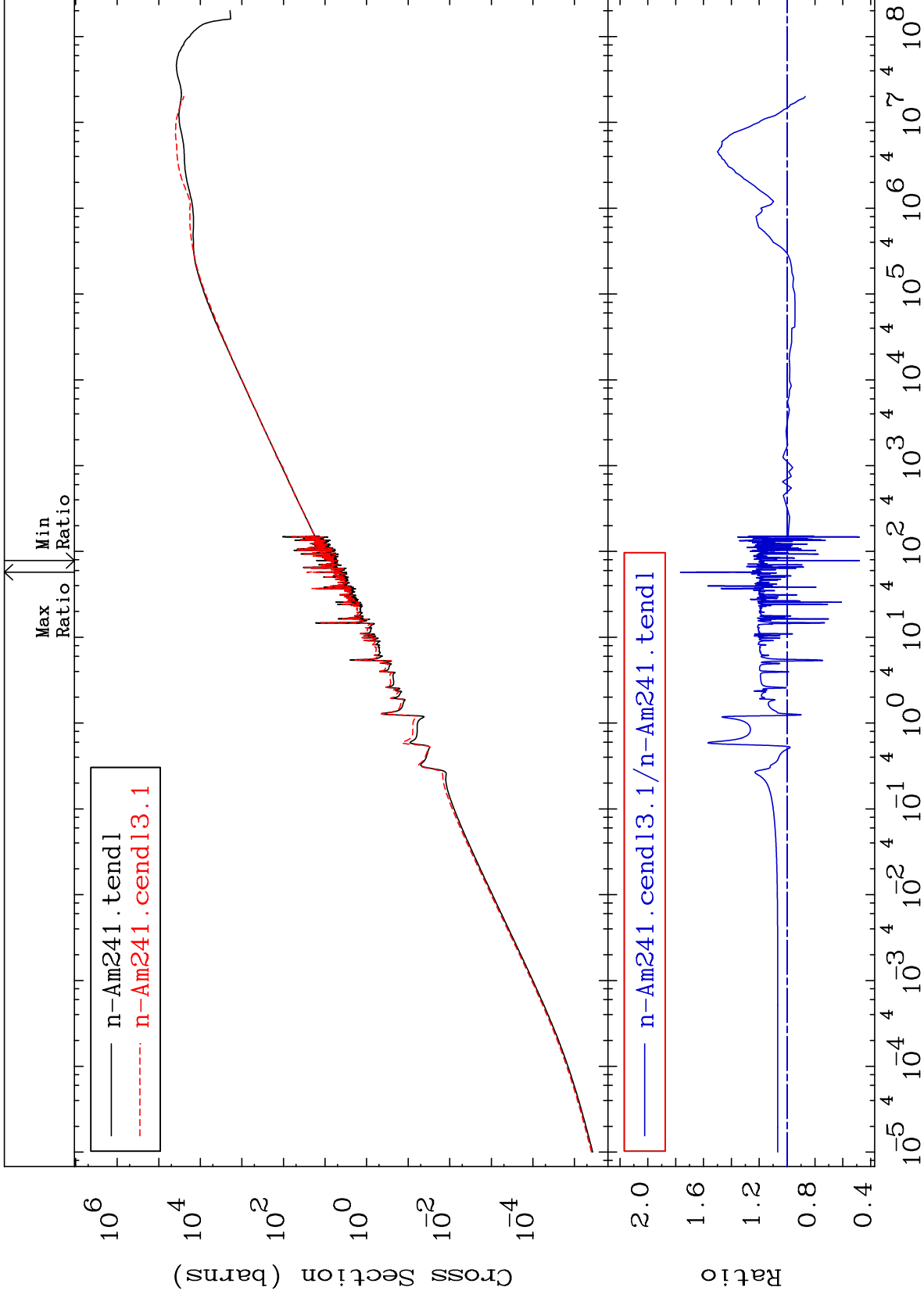


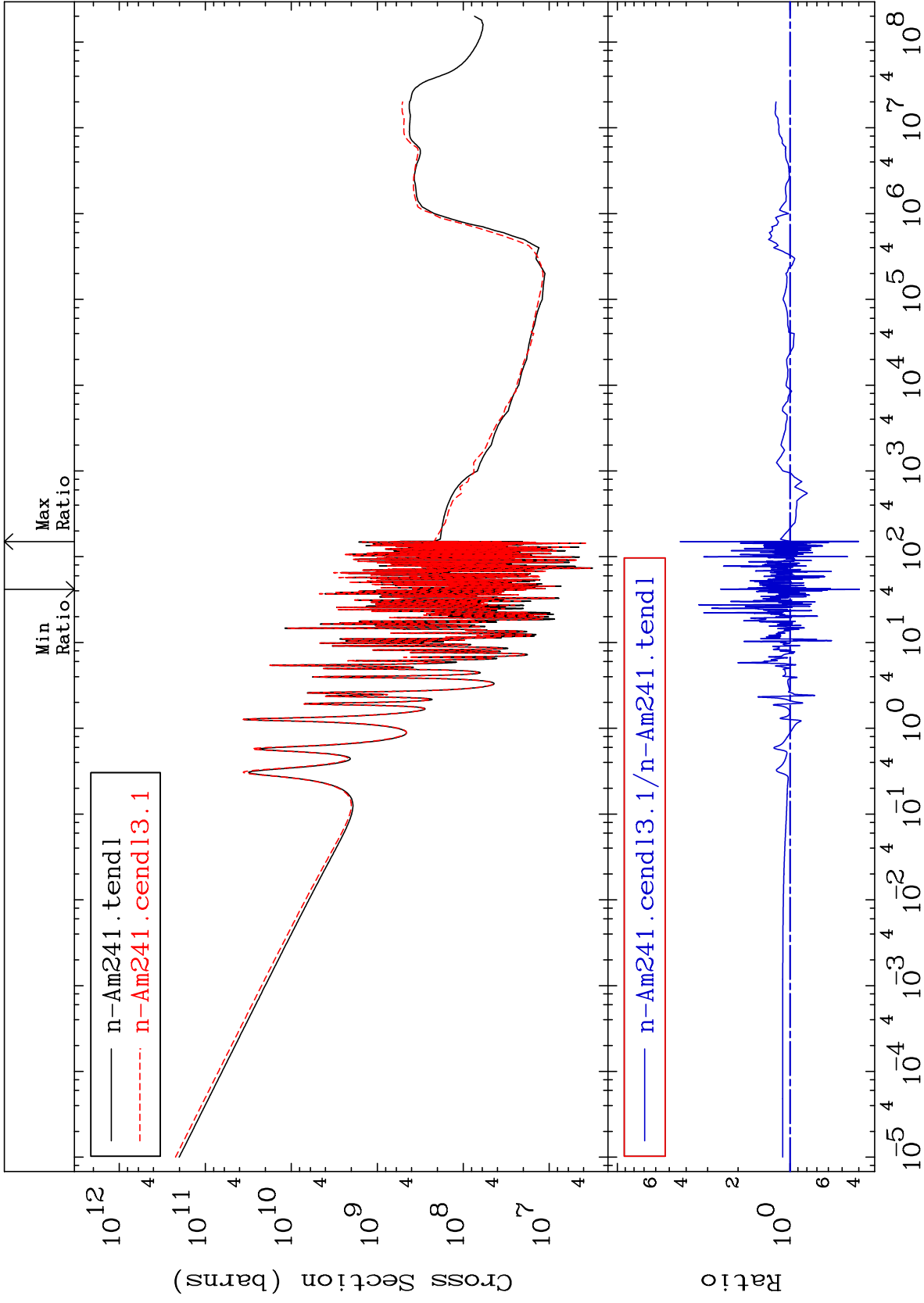


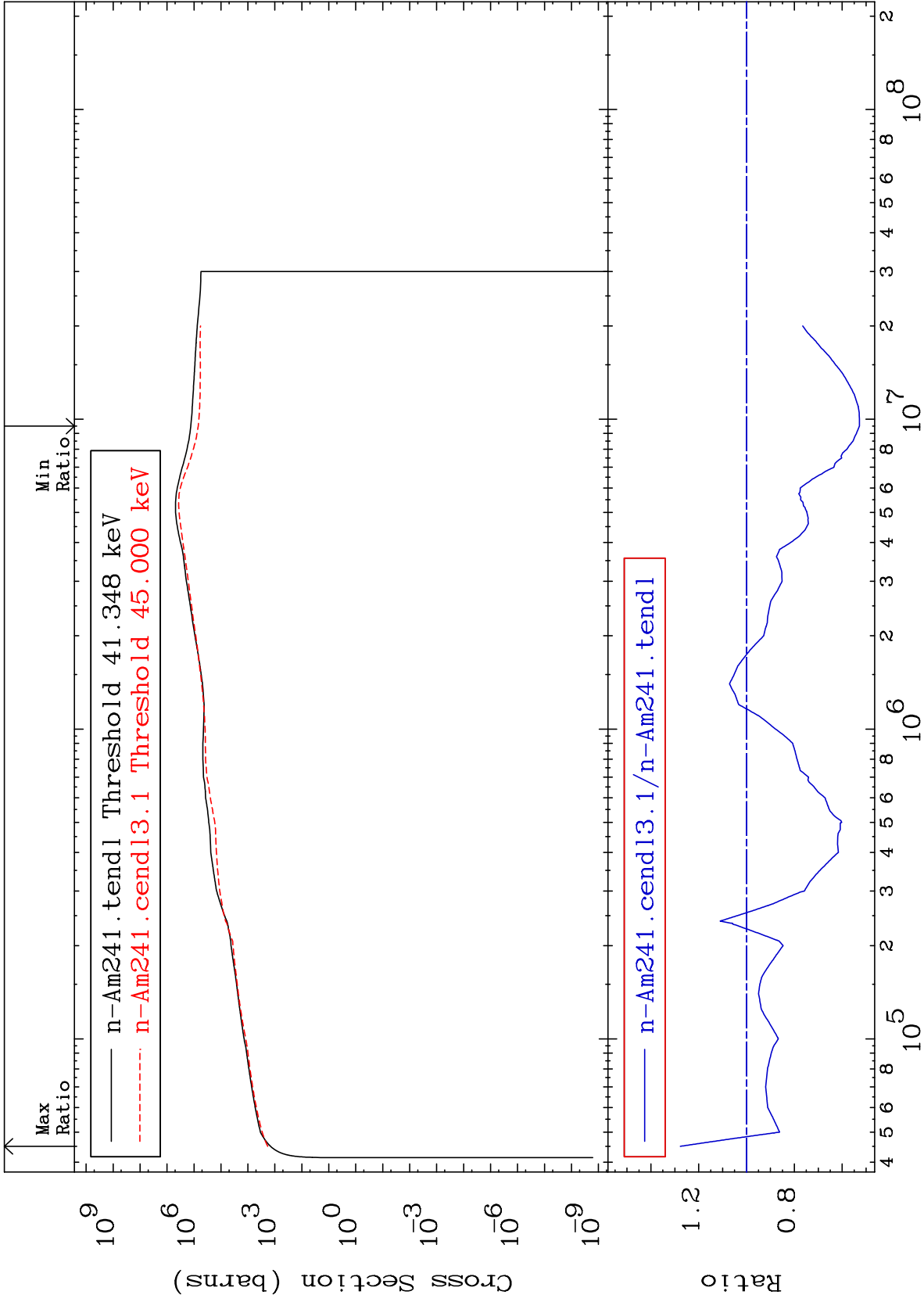
MAT 9543

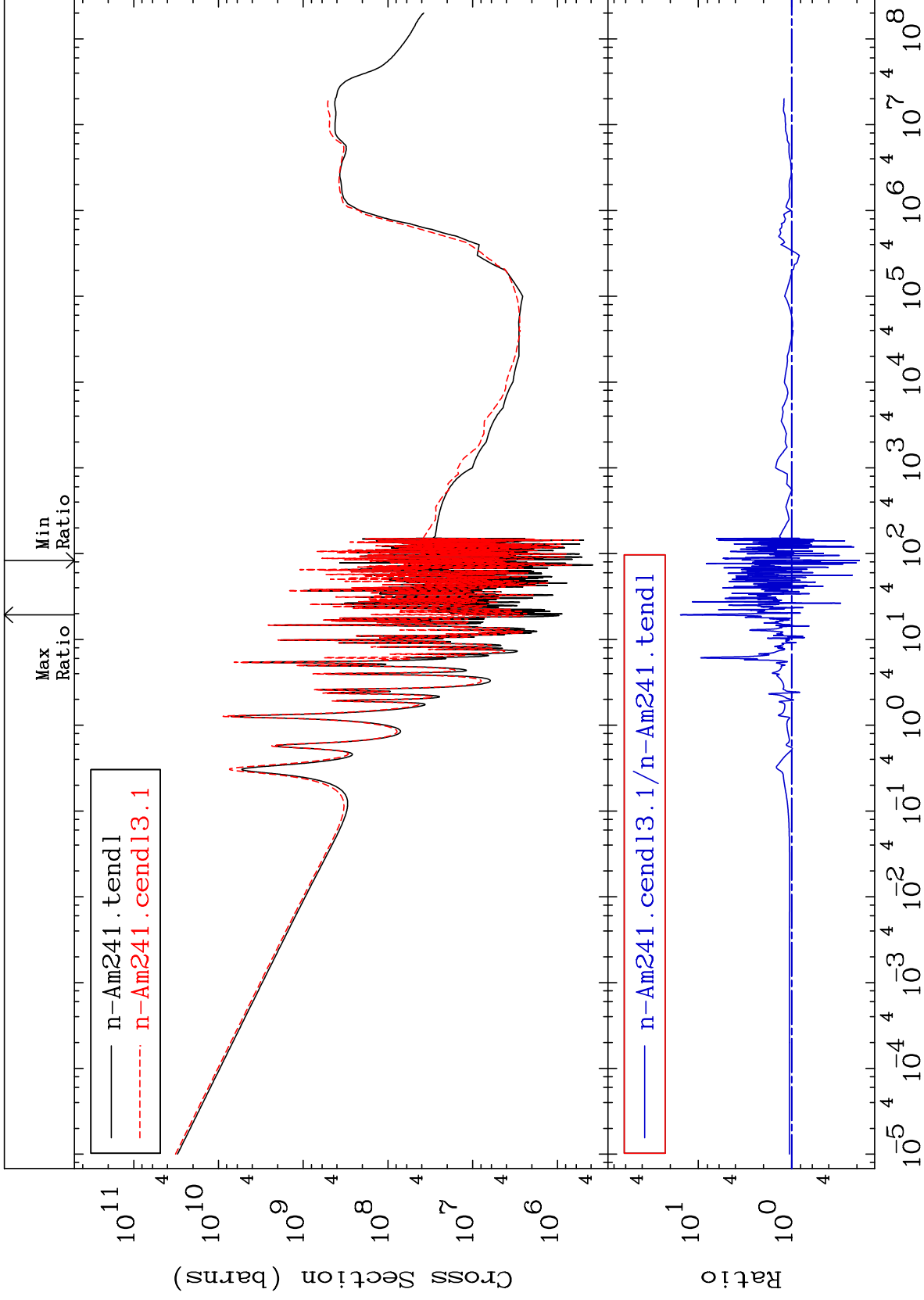
Kerma elastic
Cross Section

95-Am-241
-51.95 To 76.63 %





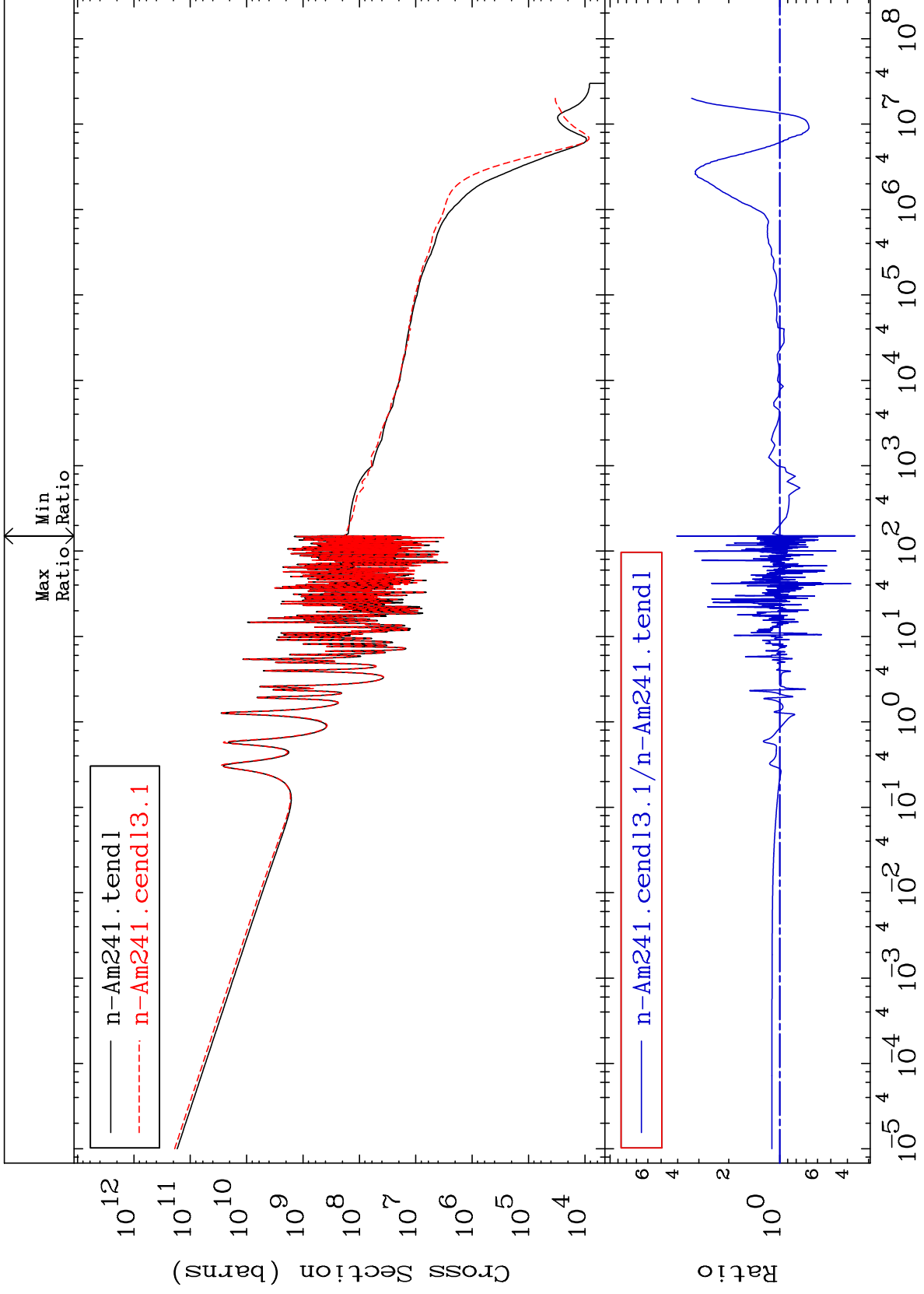




MAT 9543

Kerma capture (mt102)
Cross Section

95-Am-241
-63.99 To 303.9 %



40

Incident Energy (eV)

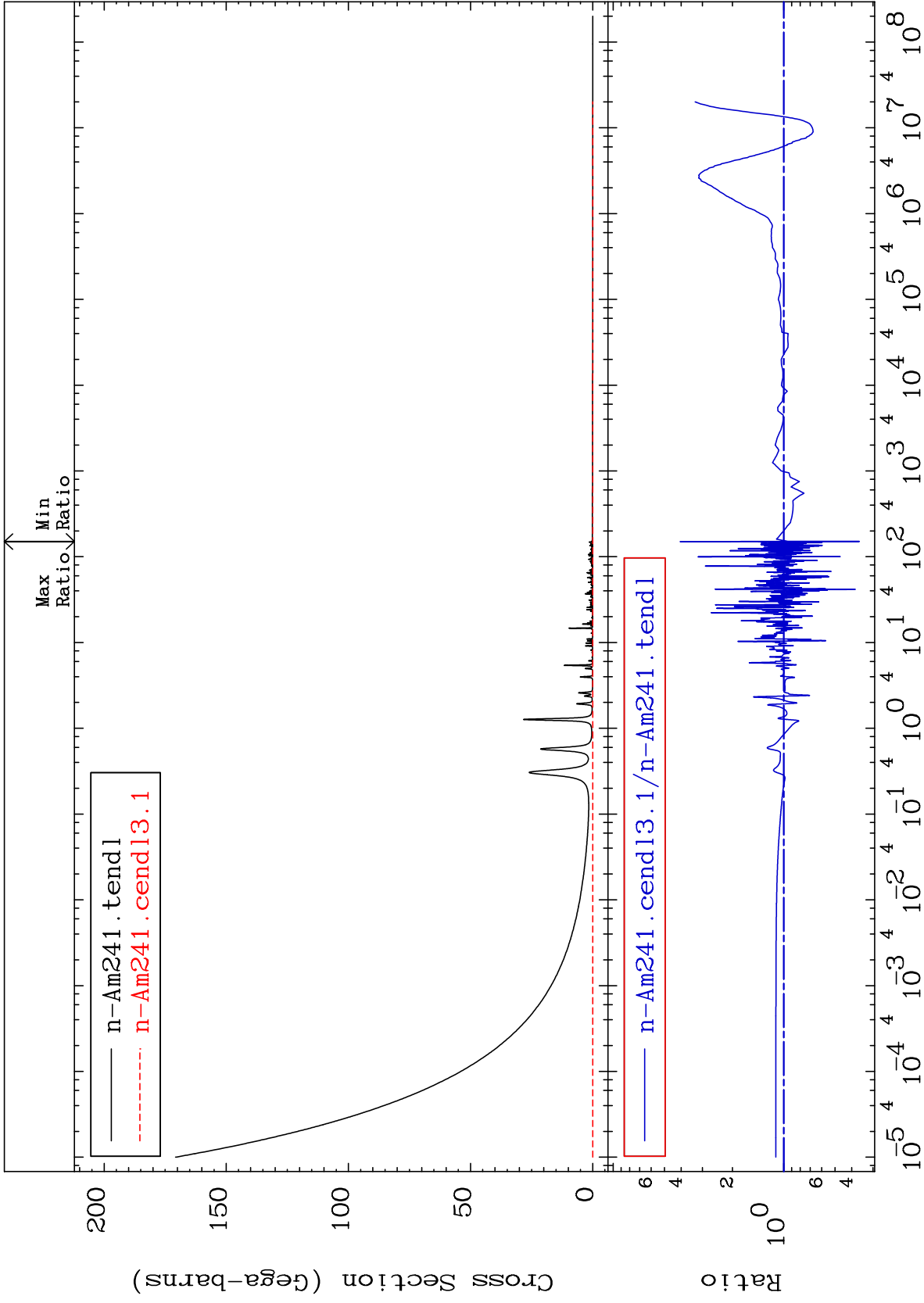
95-Am-241

MAT 9543

Total photon (eV-barns)
Cross Section

95-Am-241

-63.99 To 303.9 %



41

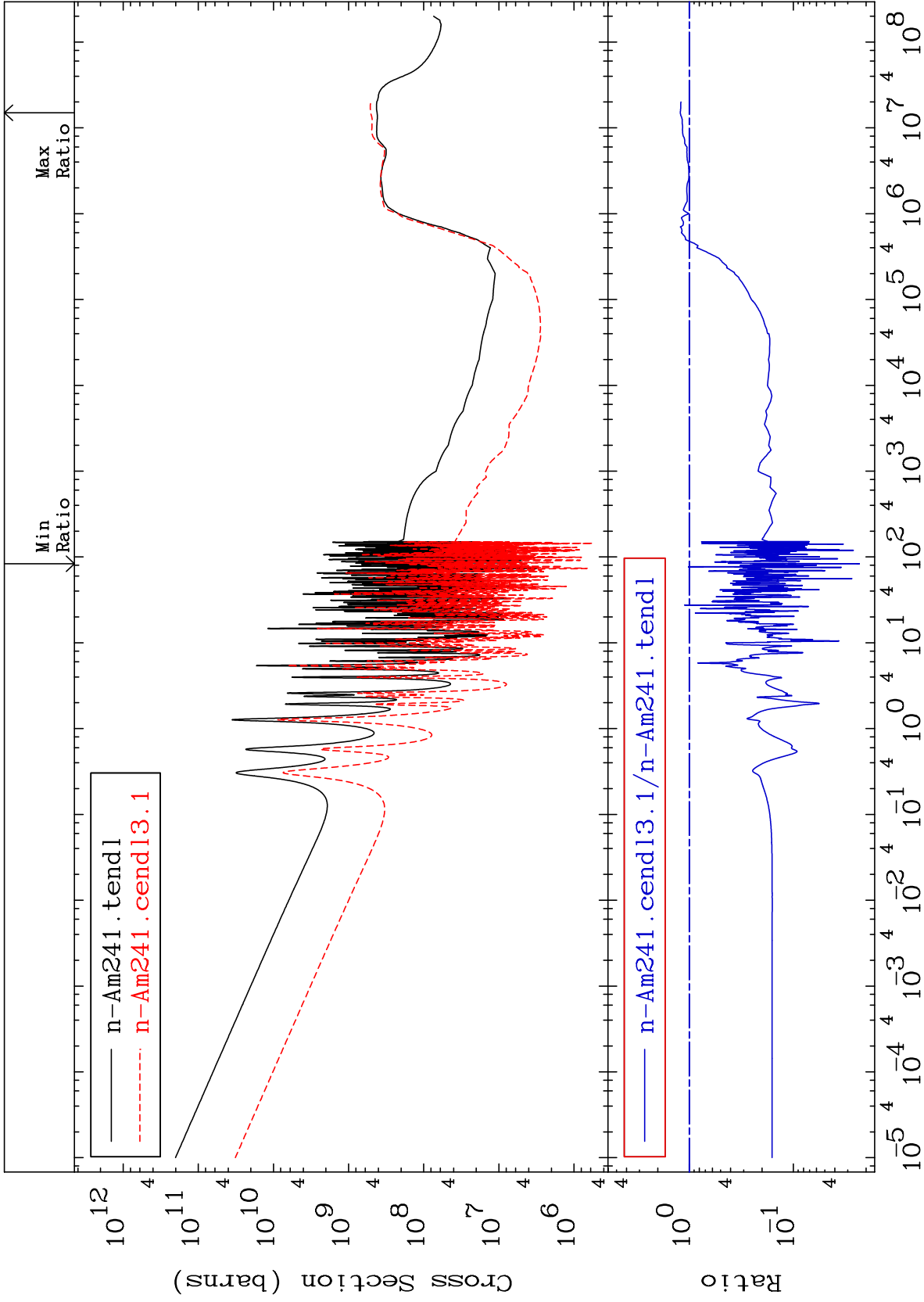
Incident Energy (eV)

95-Am-241

MAT 9543

Total kinematic kerma (high limit)
Cross Section

95-Am-241
-97.68 To 21.62 %



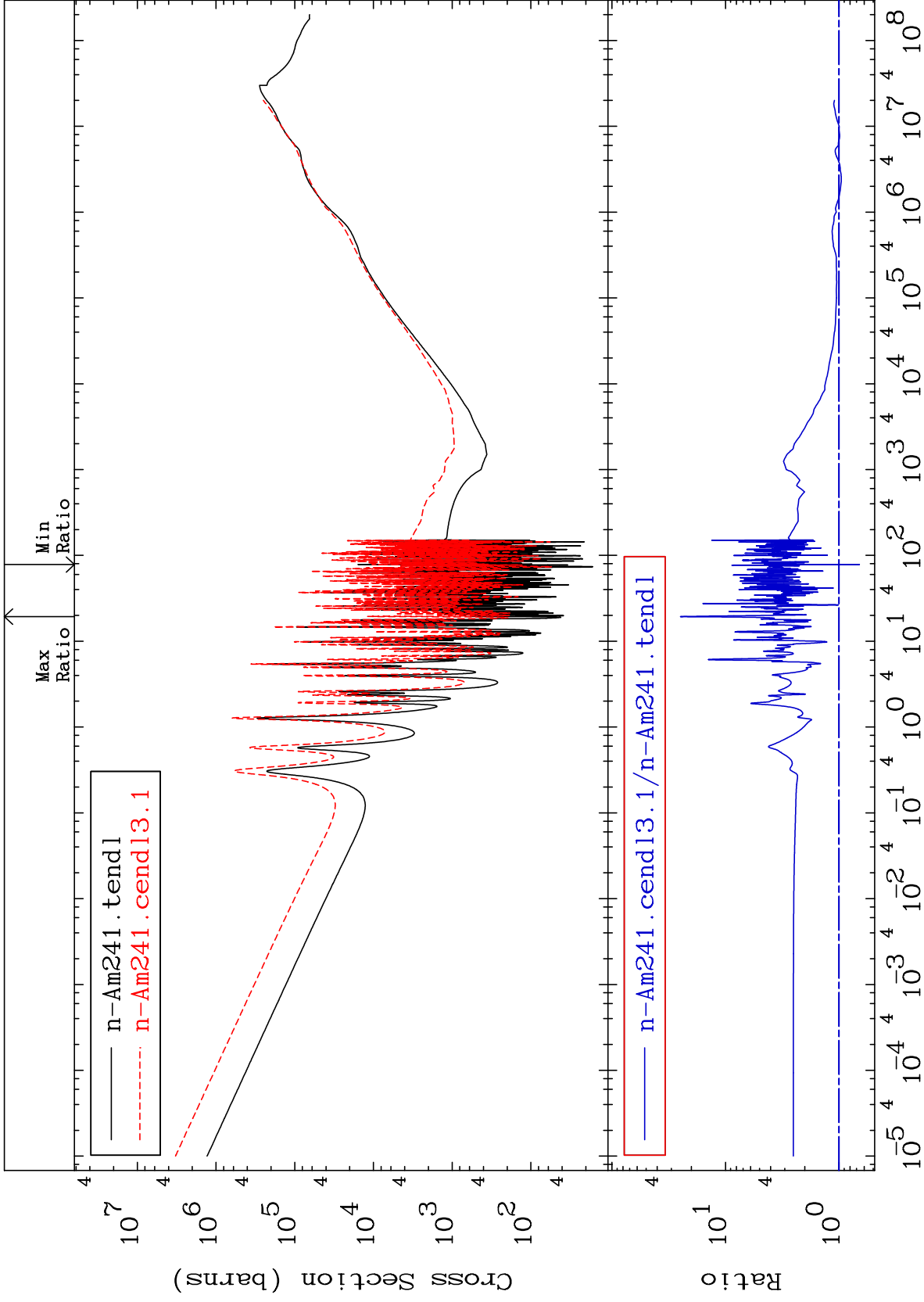
MAT 9543

Dpa total (eV-barns)

95-Am-241

-33.97 To 2397. %

Cross Section



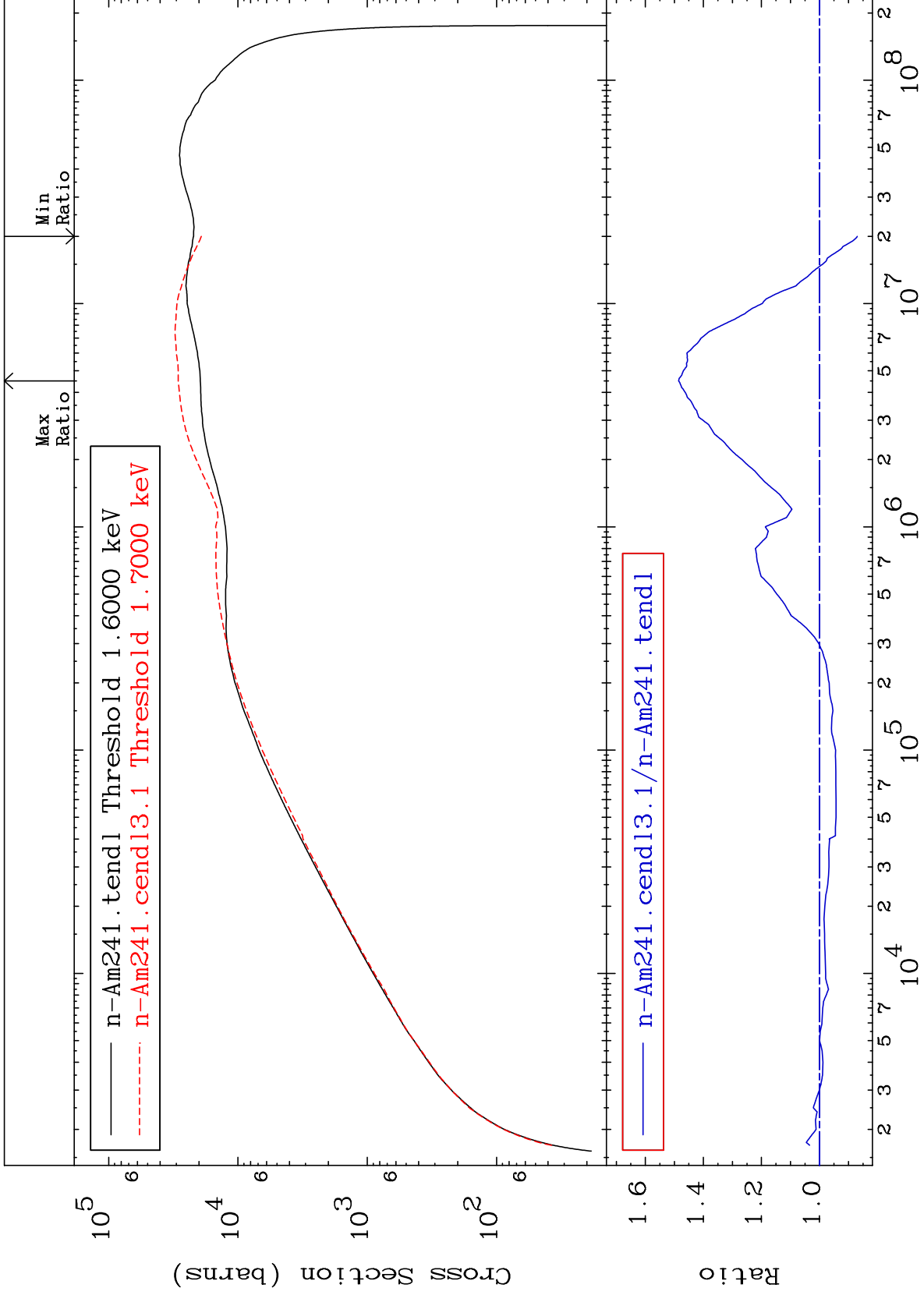
43

95-Am-241

MAT 9543

Dpa elastic (mt2)
Cross Section

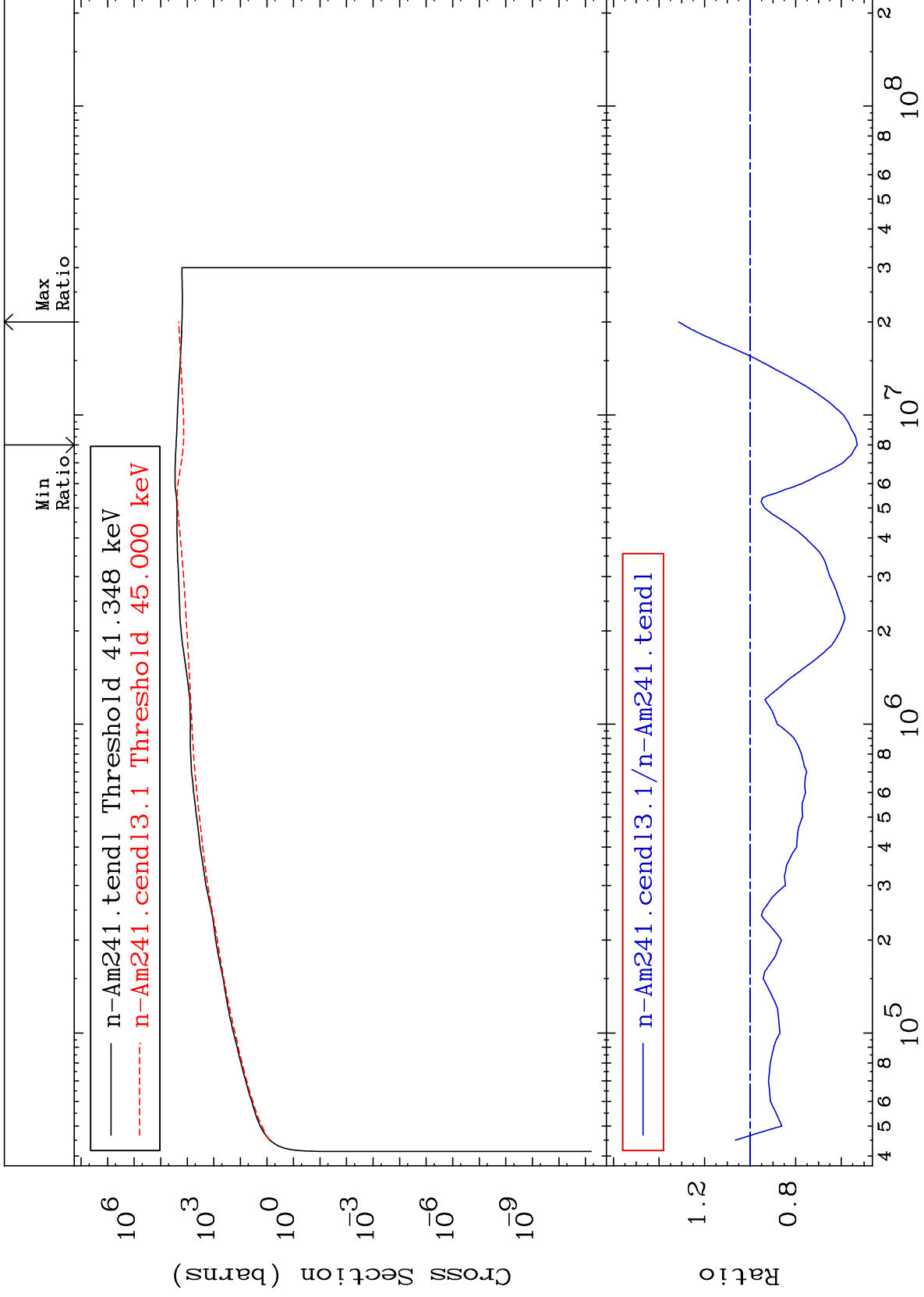
95-Am-241
-13.01 To 48.53 %



MAT 9543

Dpa inelastic (mt51-91)
Cross Section

95-Am-241
-47.02 To 31.38 %



MAT 9543

Dpa disappearance (mt102 -120)
Cross Section

95-Am-241
119.2 To 9999. %

