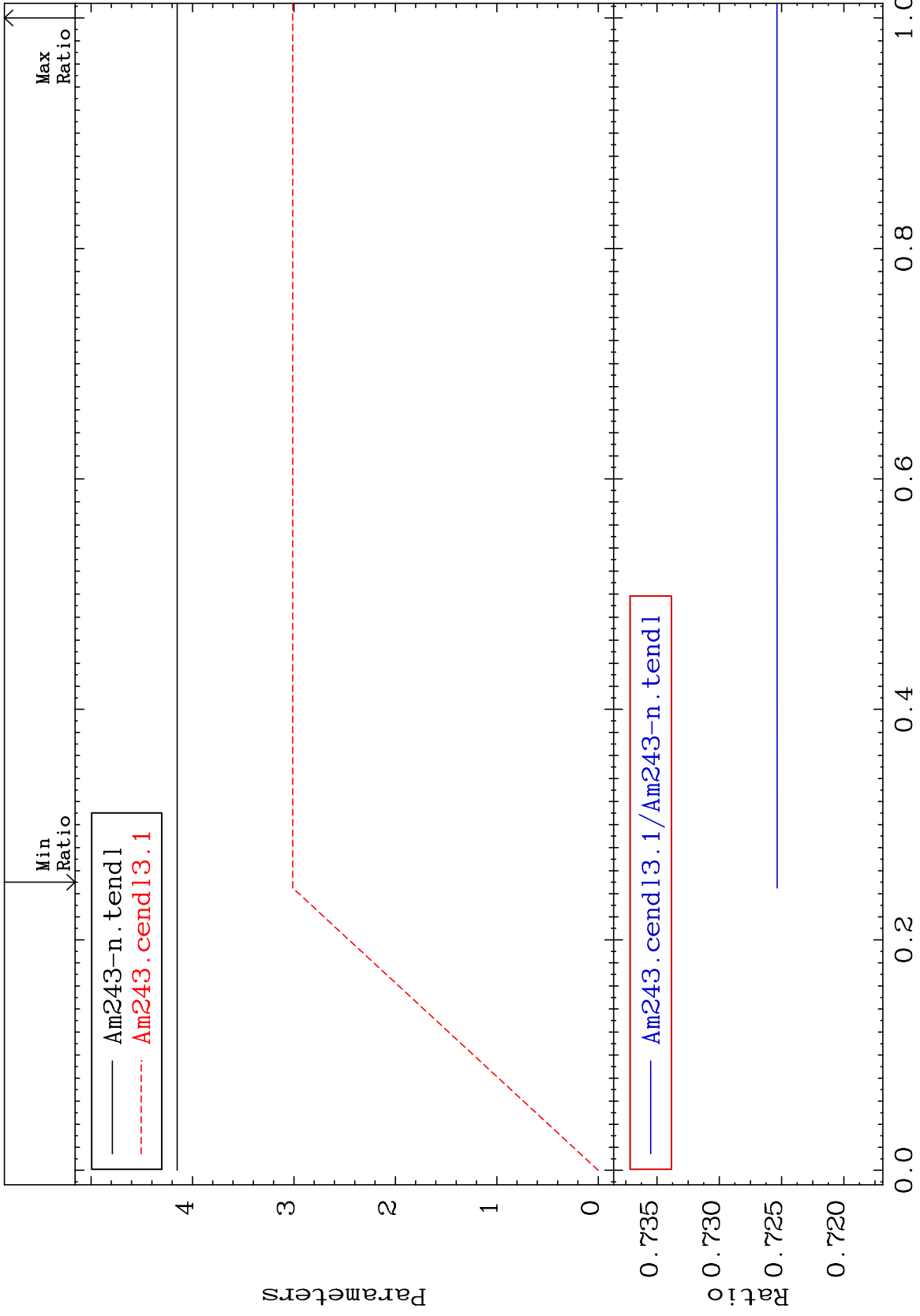


MAT 9549

Total $\bar{\nu}$
Parameters

95-Am-243
-27.46 To -27.46%



1

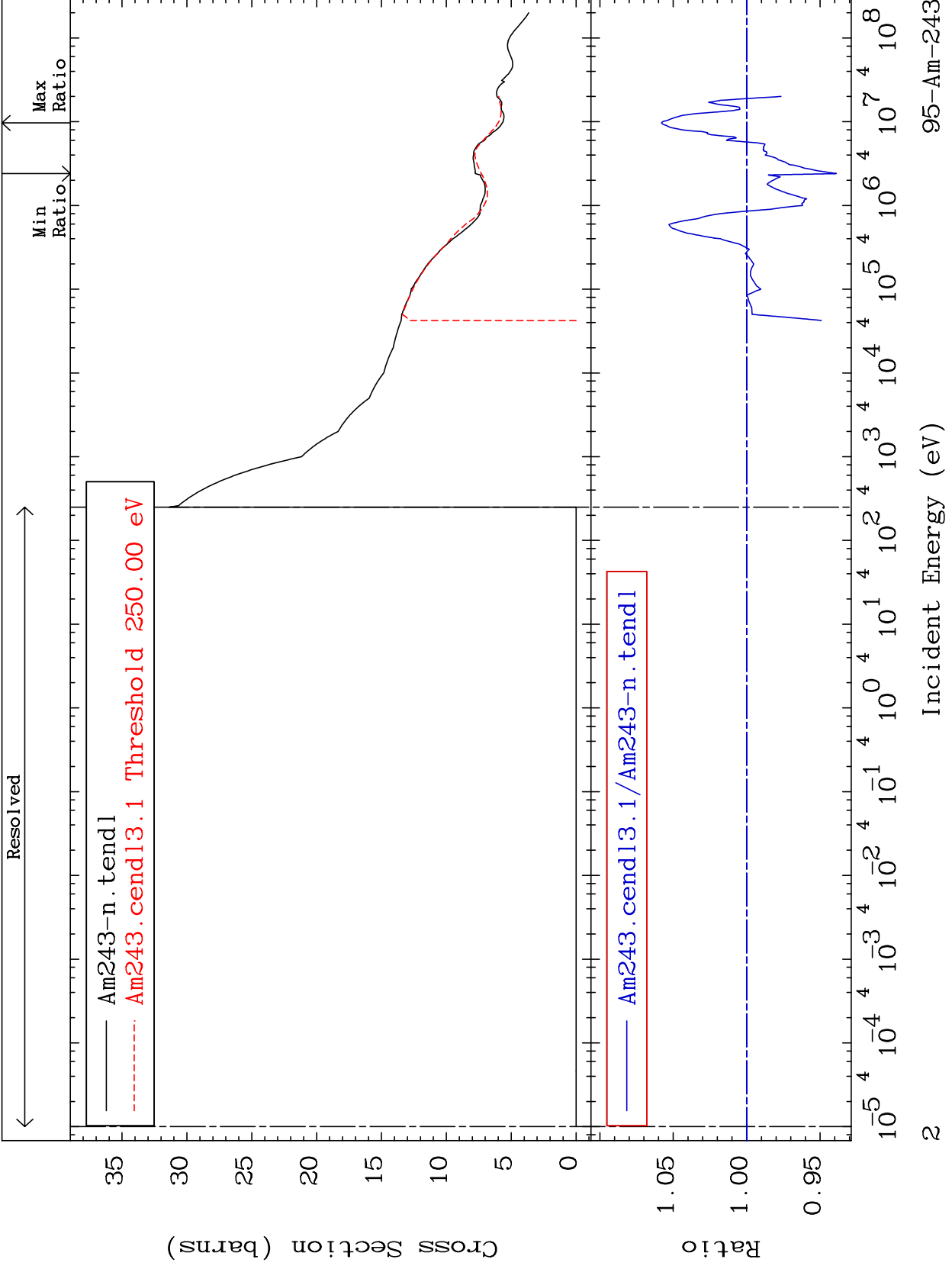
Incident Energy (KeV)

95-Am-243

MAT 9549

Total
Cross Section

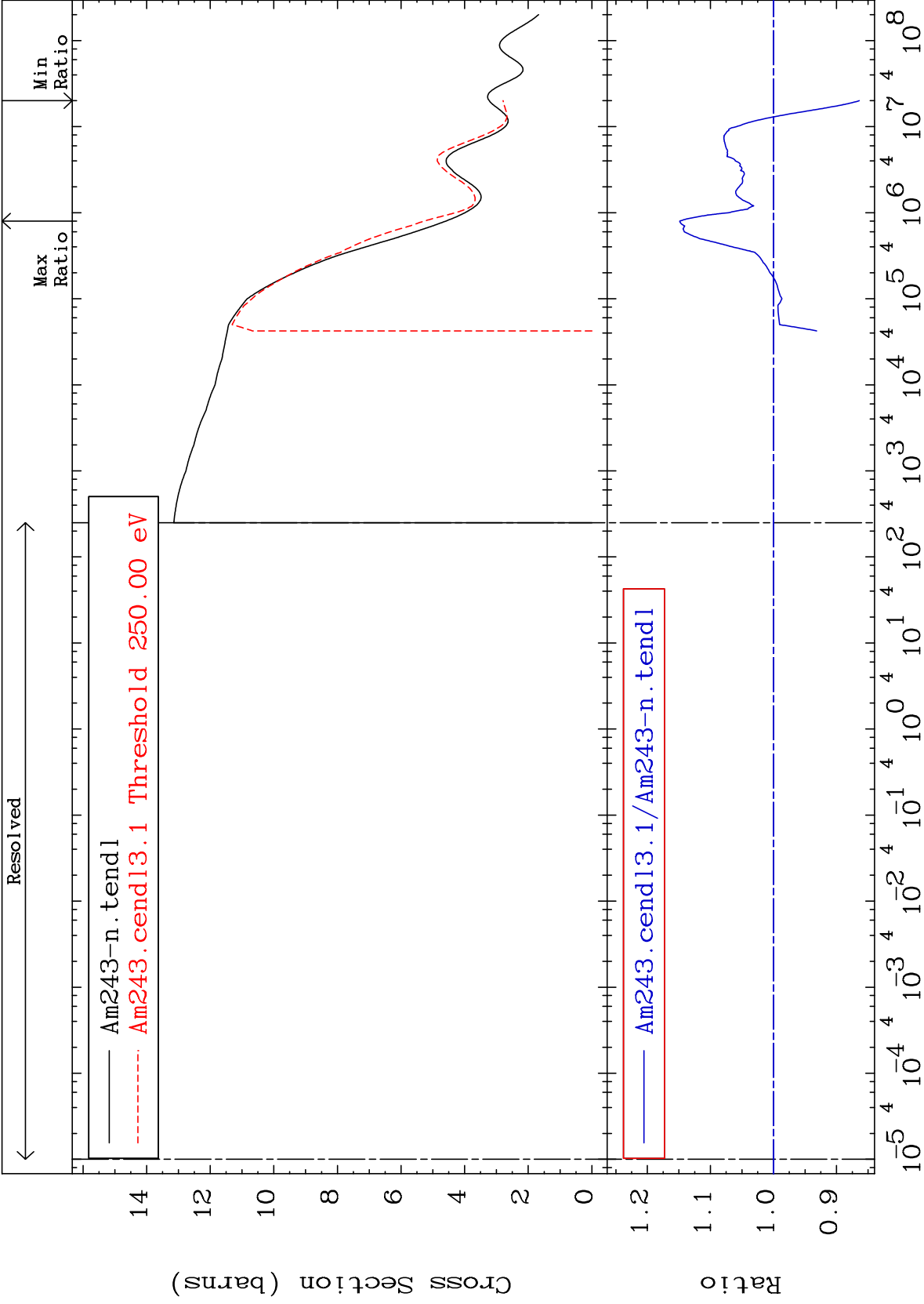
95-Am-243
-6.105 To 5.794 %



MAT 9549

Elastic
Cross Section

95-Am-243
-13.60 To 14.87 %



3

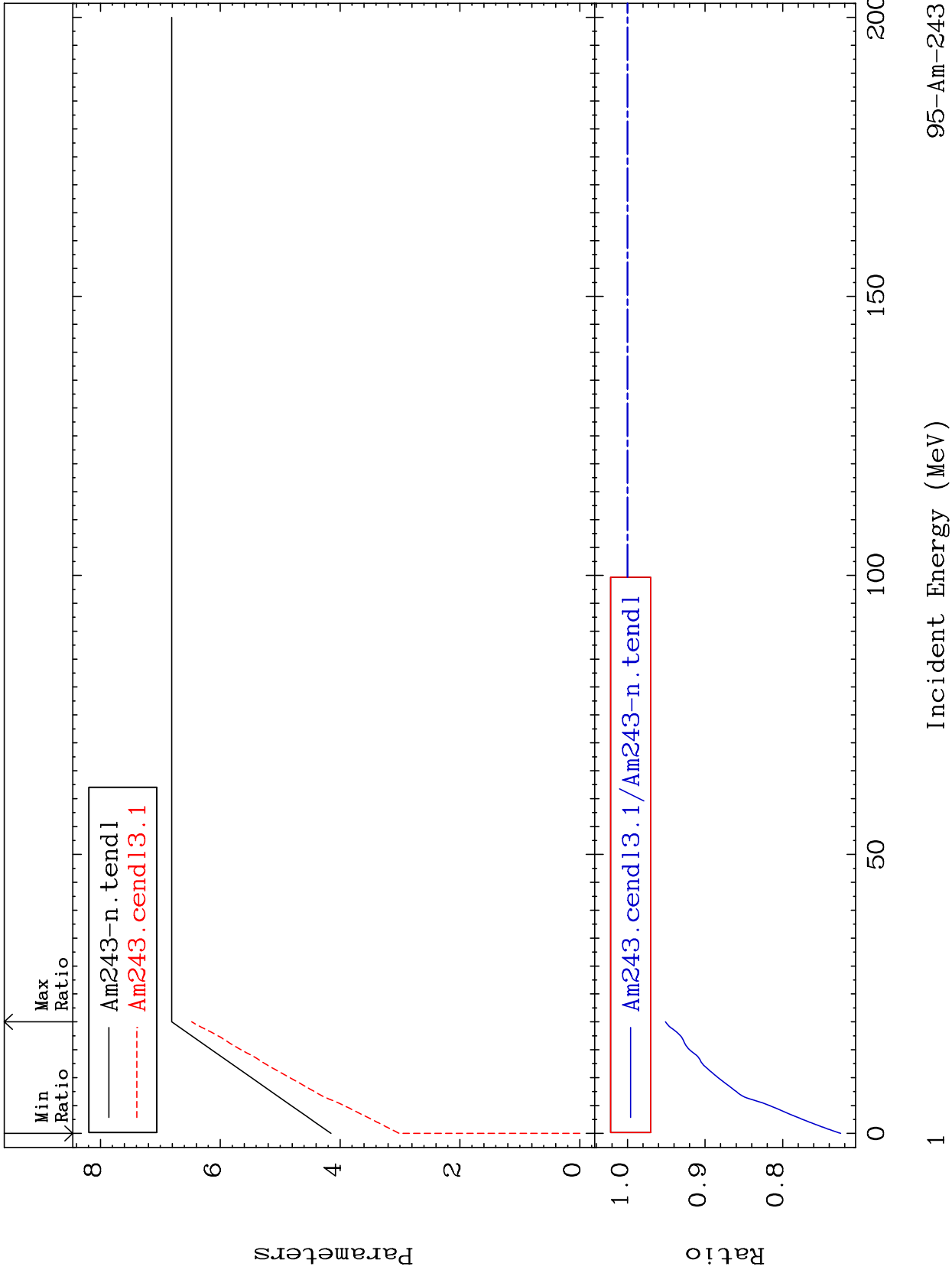
Incident Energy (eV)

95-Am-243

MAT 9549

Total $\bar{\nu}$
Parameters

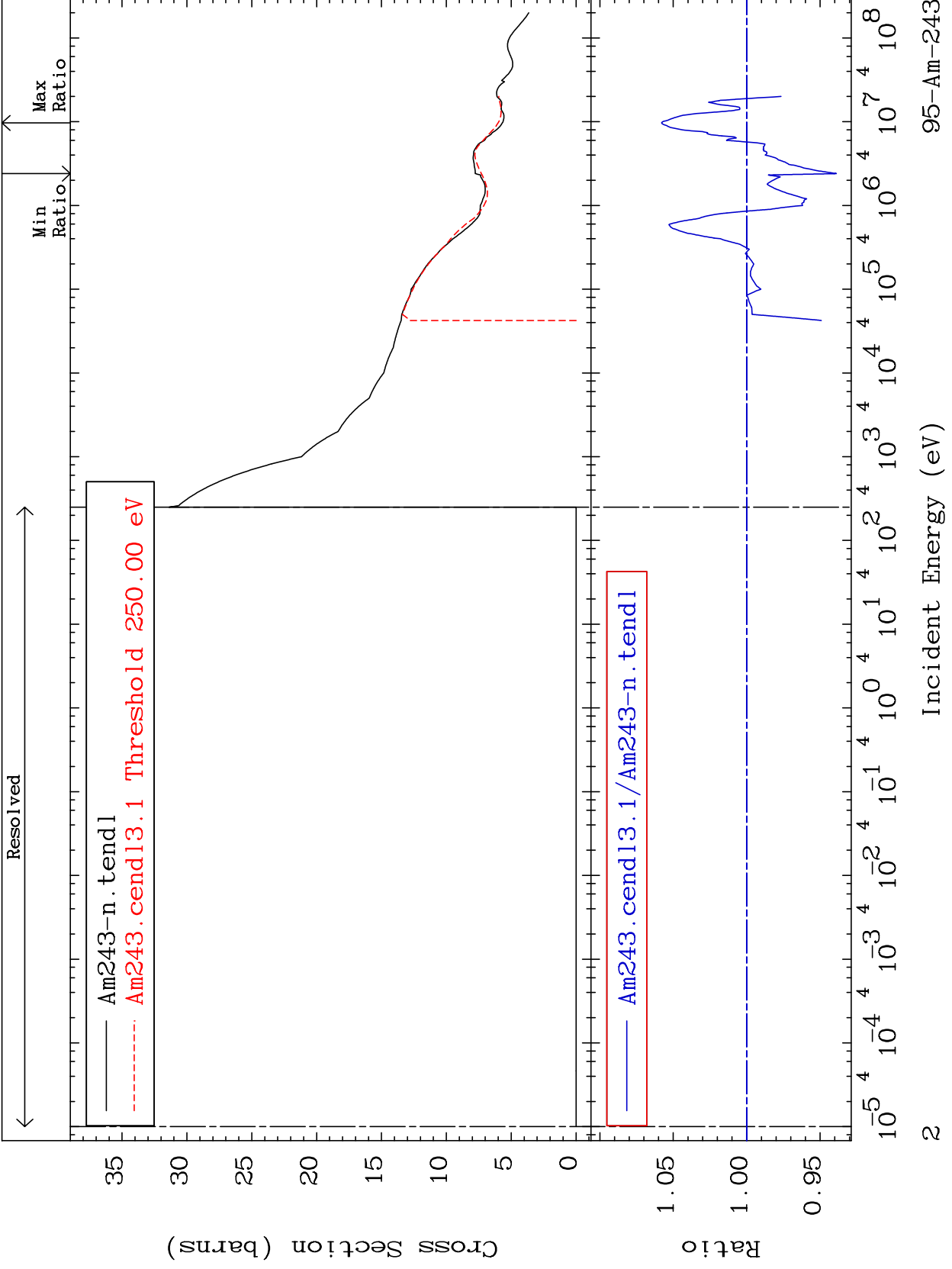
95-Am-243
-27.46 To -4.901%



MAT 9549

Total
Cross Section

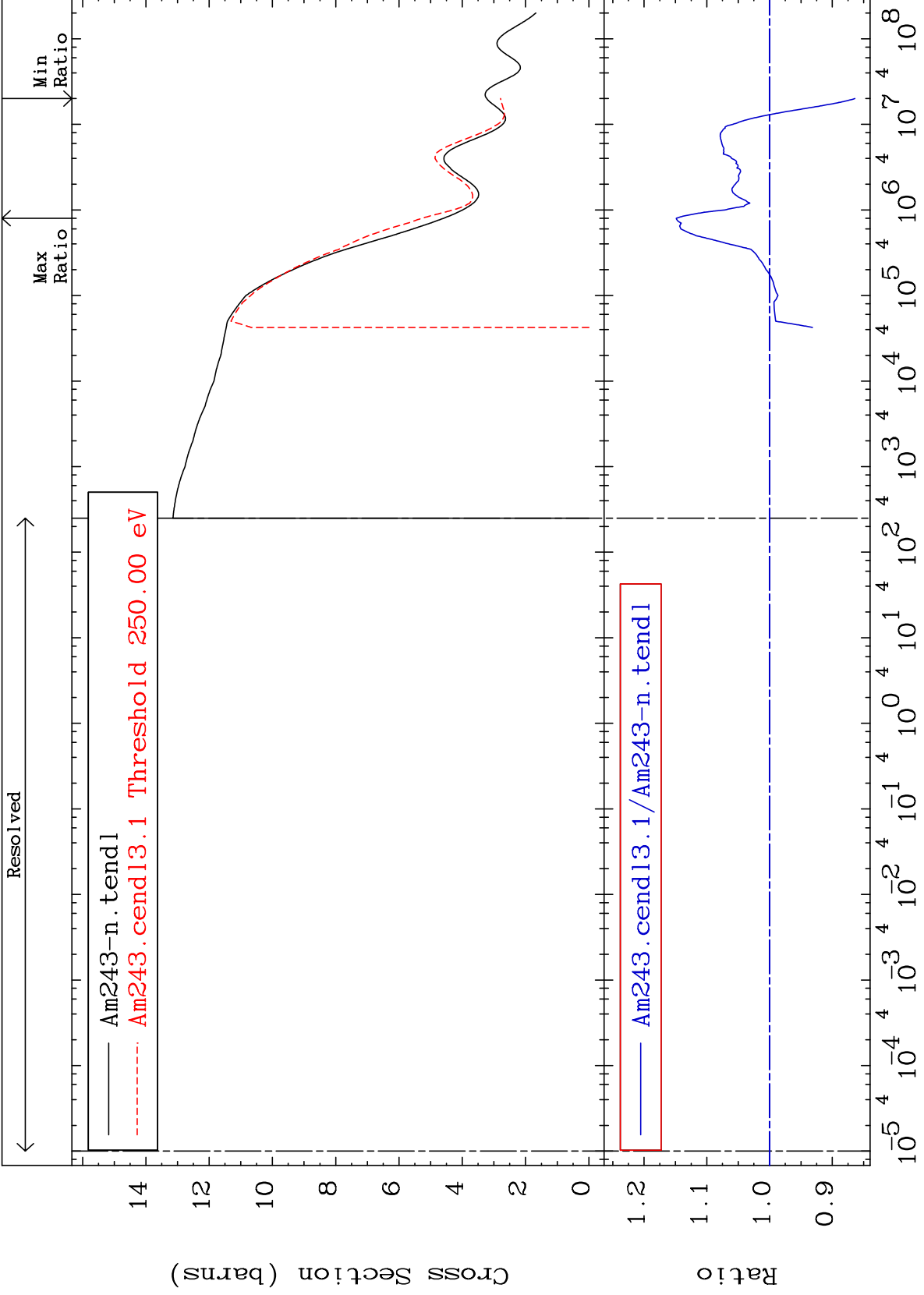
95-Am-243
-6.105 To 5.794 %



MAT 9549

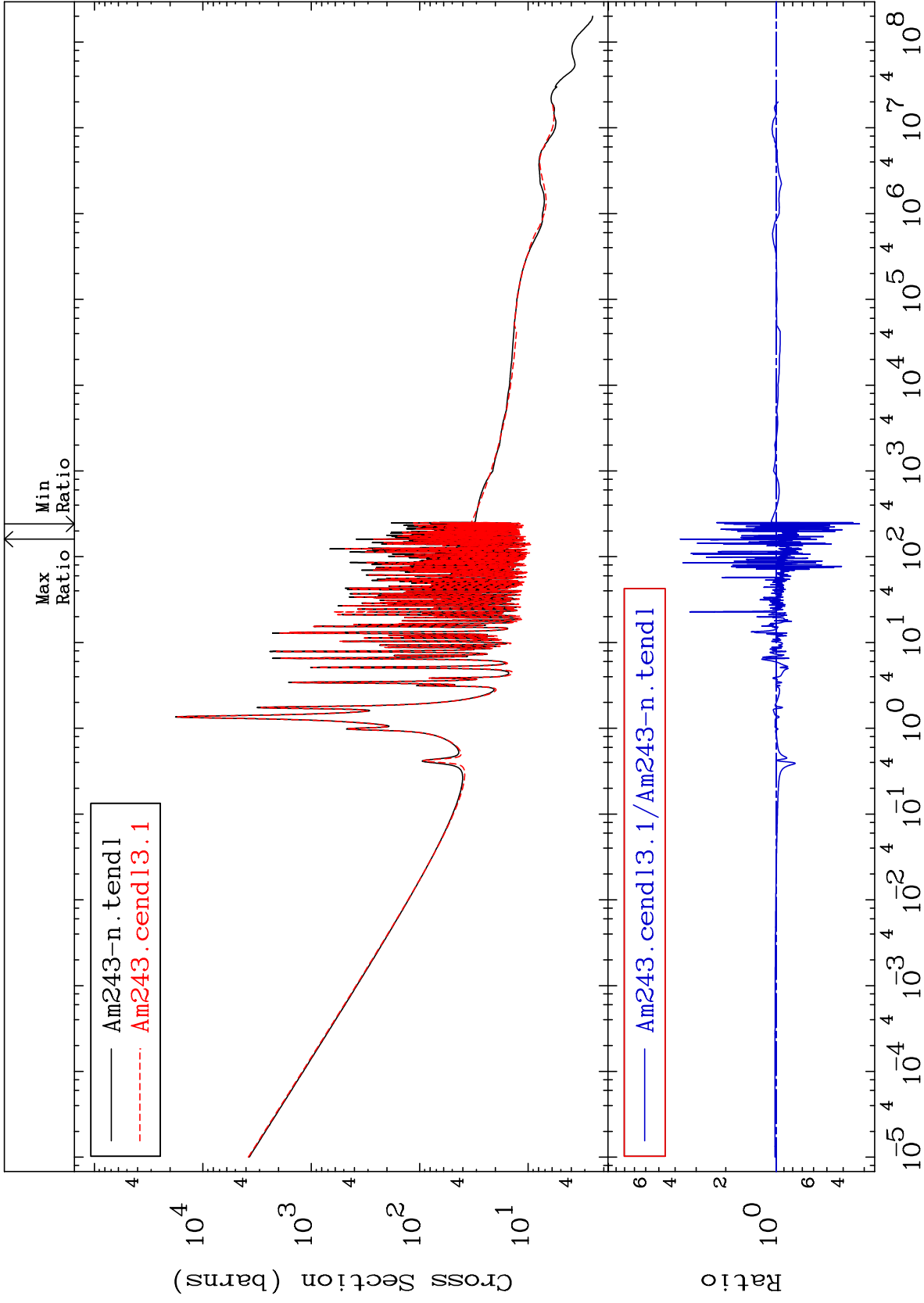
Elastic
Cross Section

95-Am-243
-13.60 To 14.87 %



MAT 9549

Total Cross Section
95-Am-243
-68.00 To 272.7 %



Incident Energy (eV)

95-Am-243

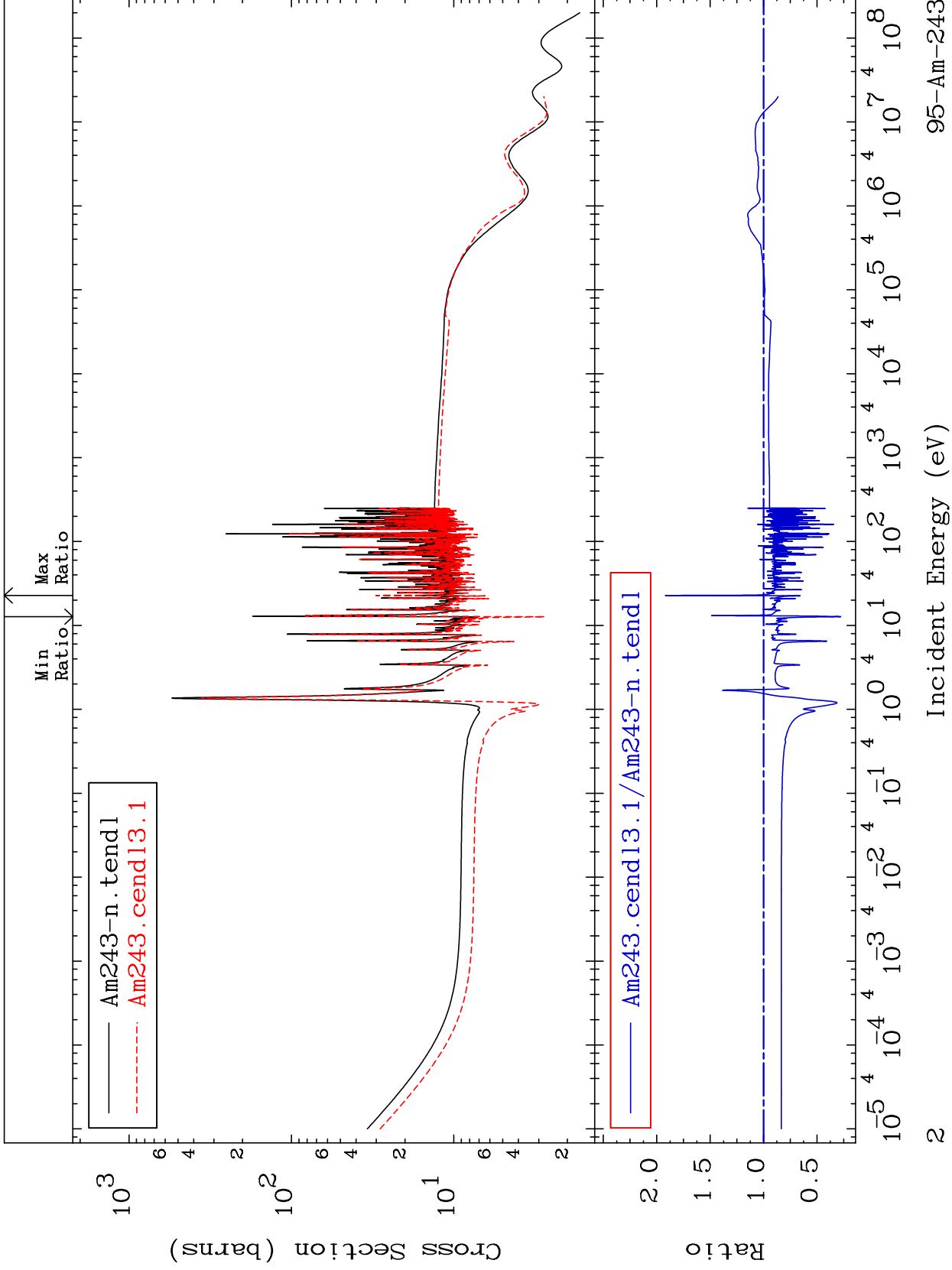
MAT 9549

Elastic

95-Am-243

Cross Section

-72.17 To 91.80 %

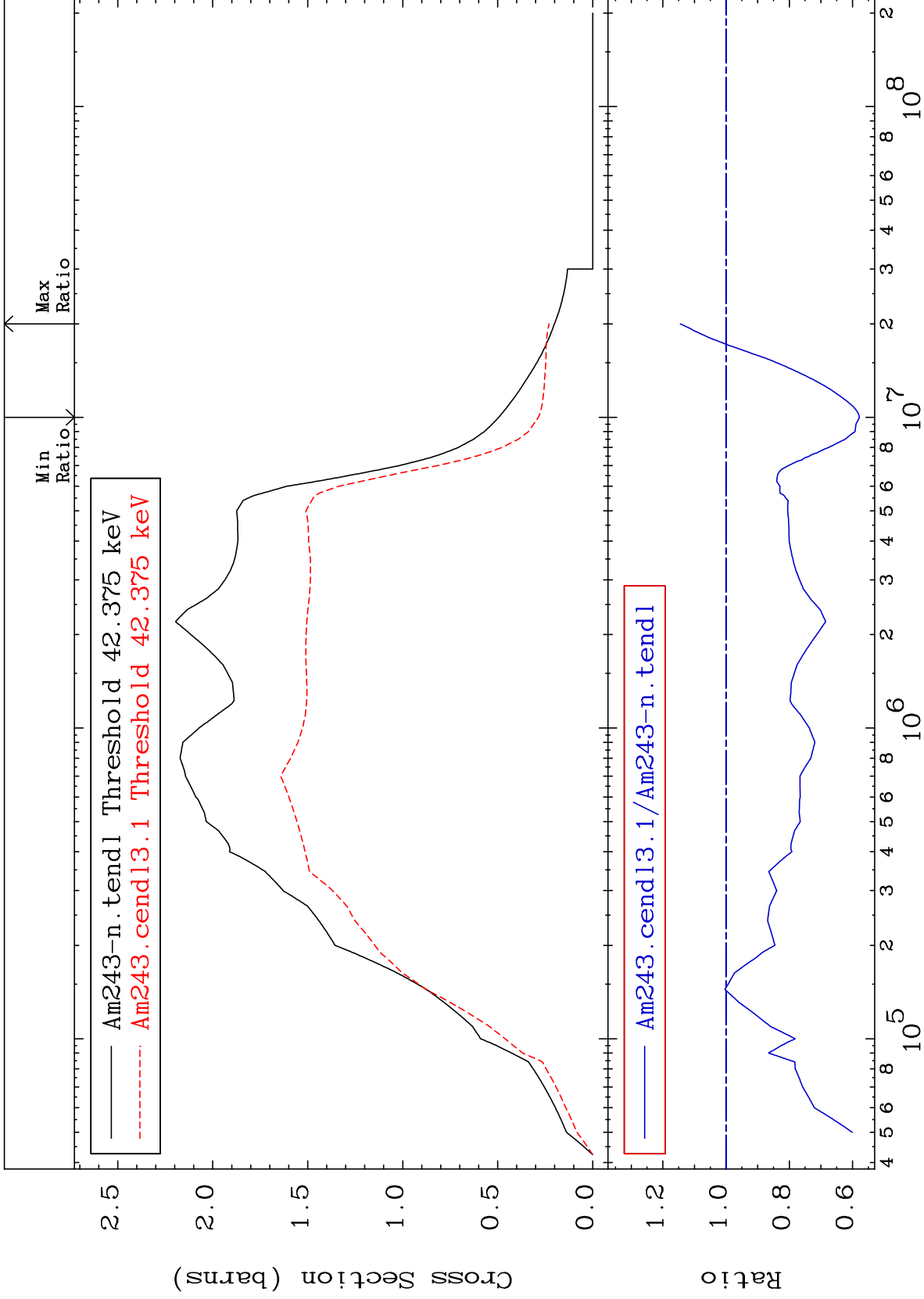


95-Am-243

MAT 9549

Inelastic
Cross Section

95-Am-243
-42.18 To 14.46 %



3

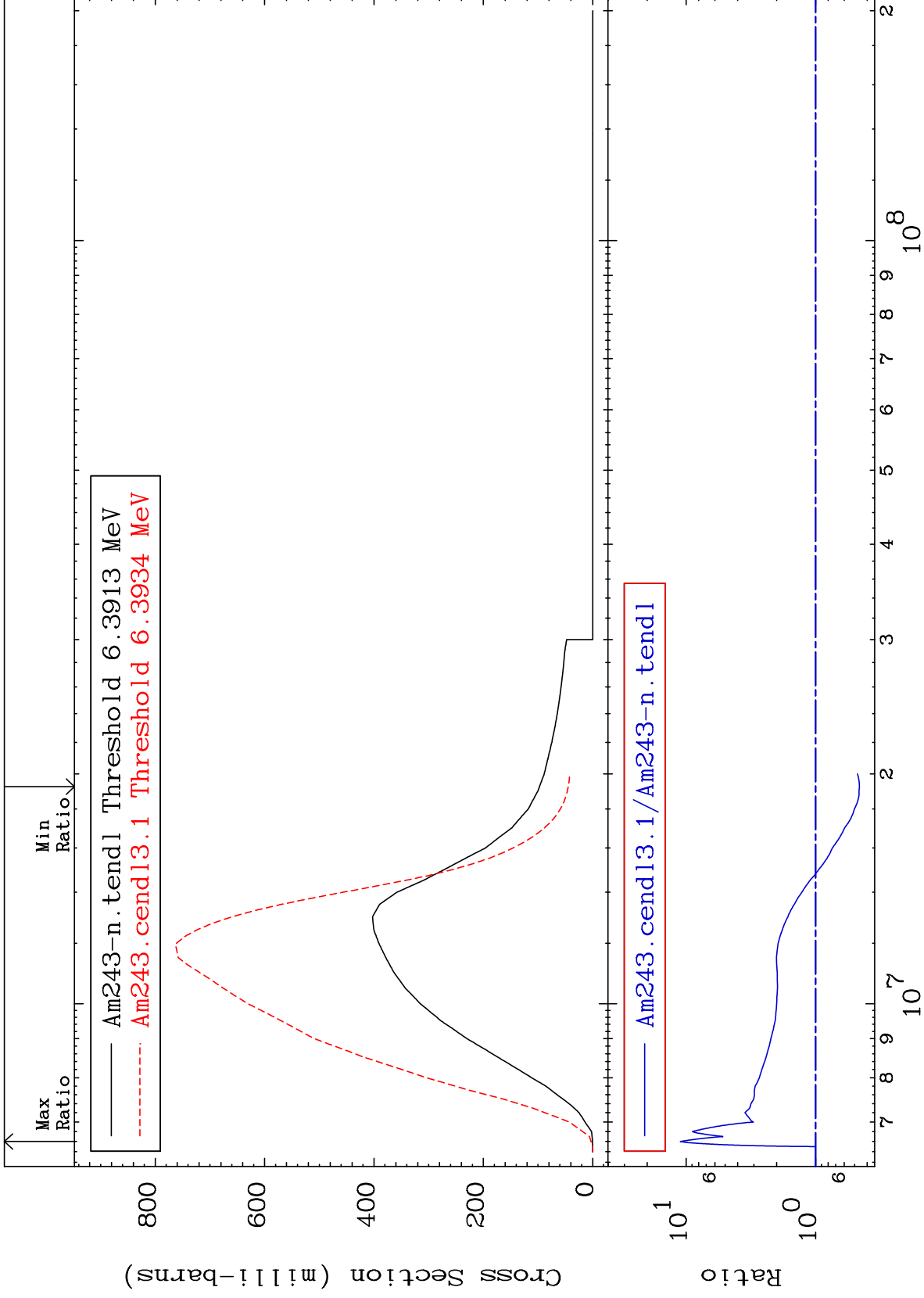
Incident Energy (eV)

95-Am-243

MAT 9549

(n,2n)
Cross Section

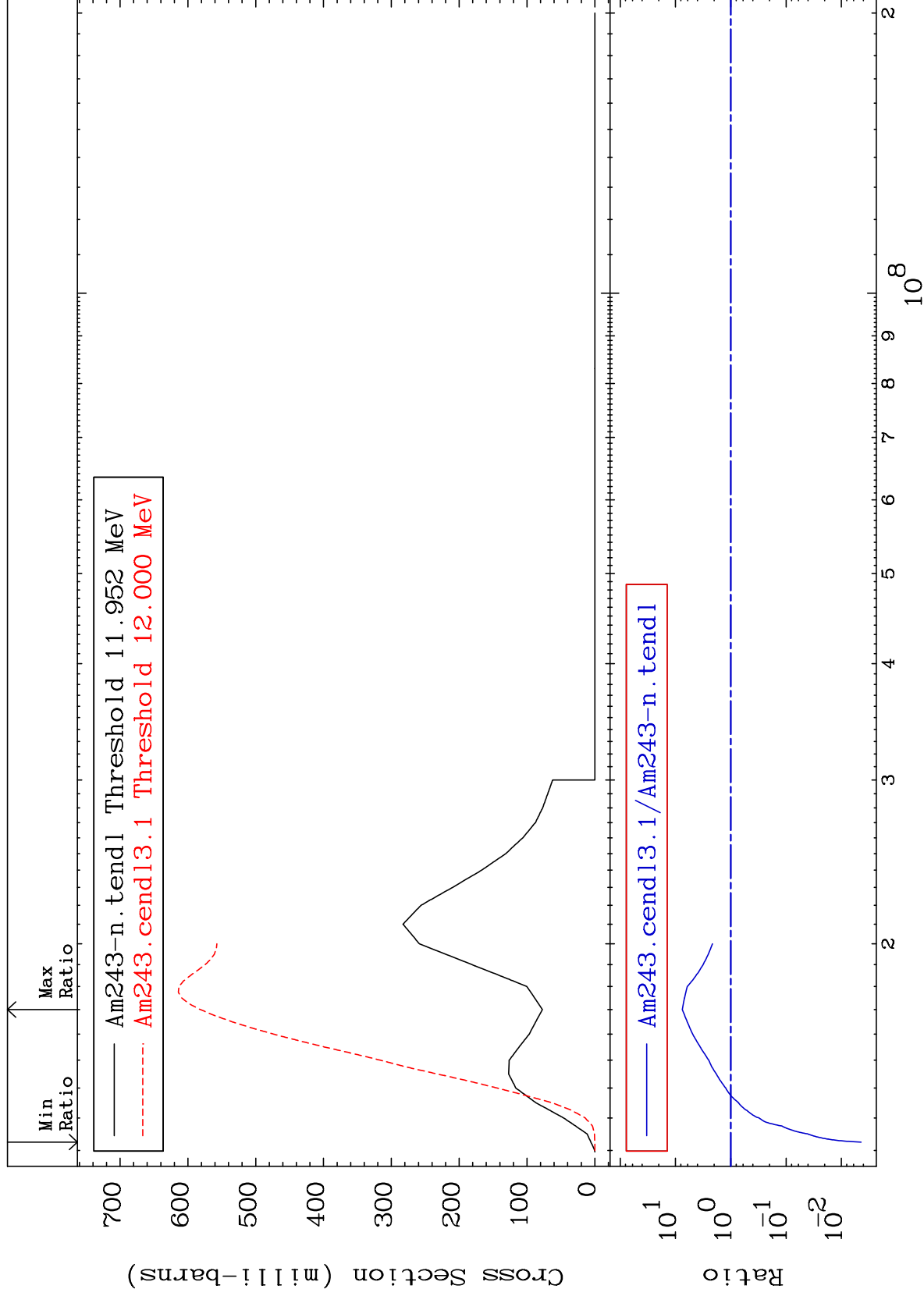
95-Am-243
-54.15 To 1008. %



MAT 9549

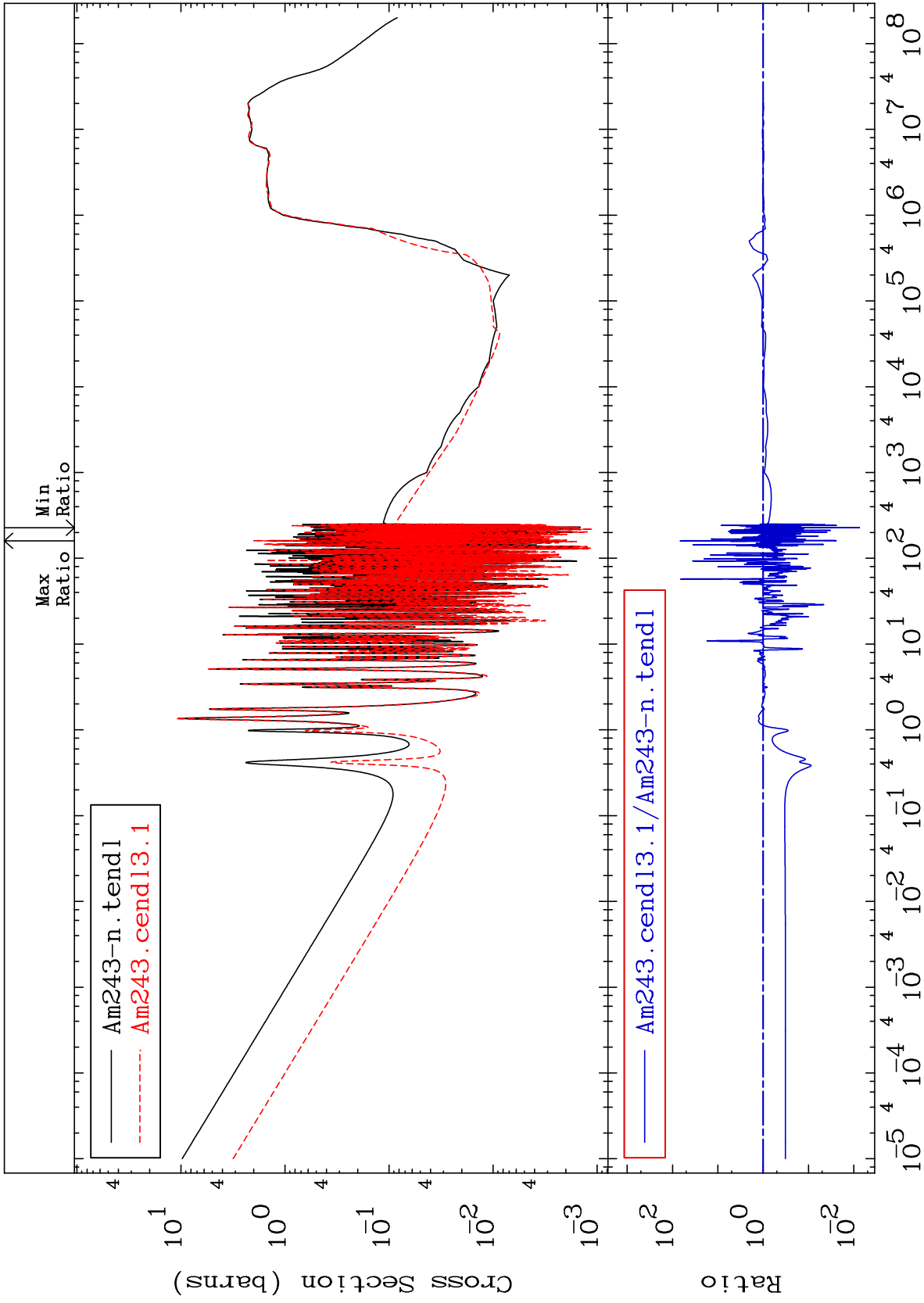
(n,3n)
Cross Section

95-Am-243
-99.56 To 652.3 %



MAT 9549

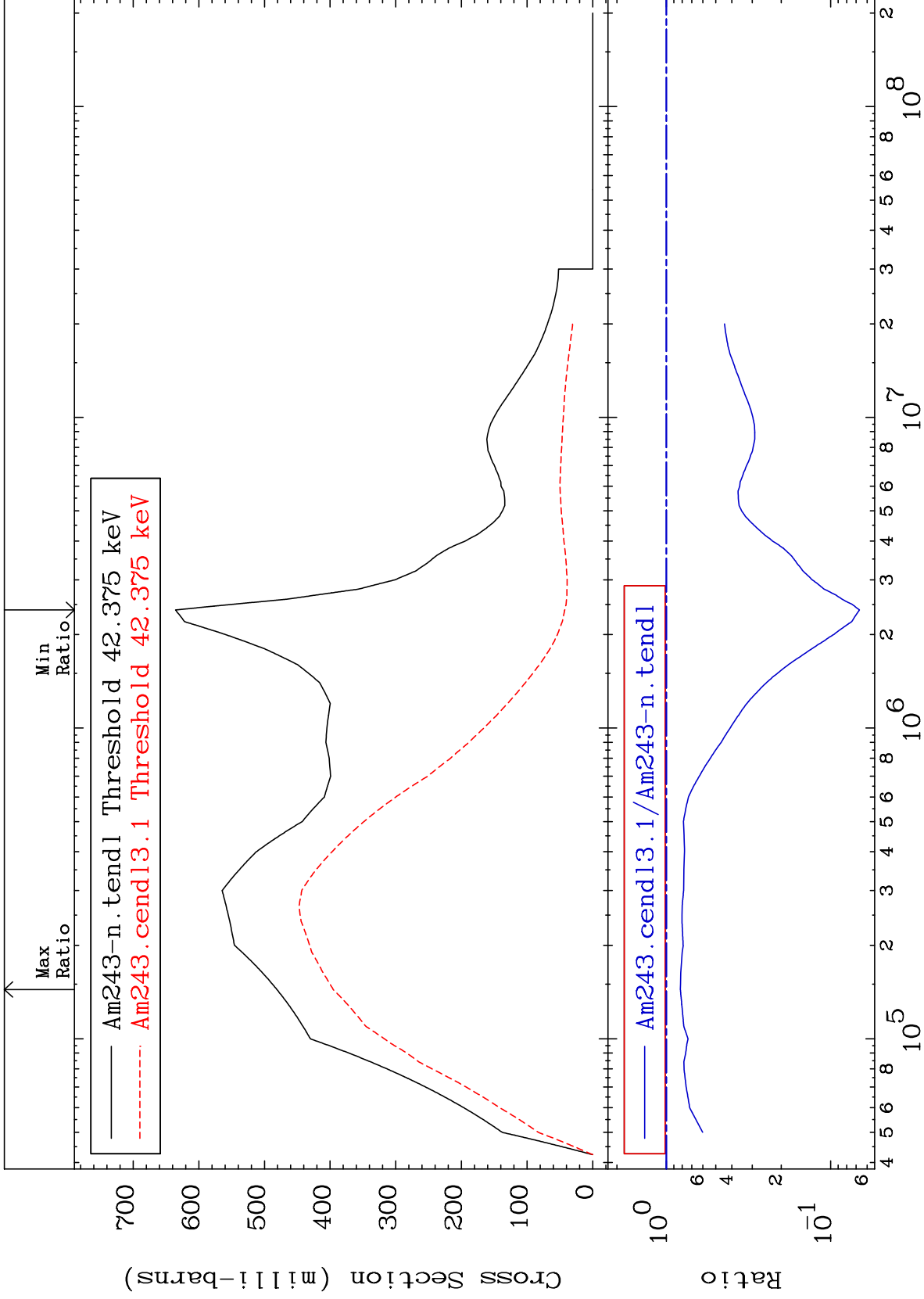
Fission Cross Section 95-Am-243
-99.25 To 6625. %



MAT 9549

42.20 keV (n,n') Level
Cross Section

95-Am-243
-93.31 To -17.85%



7

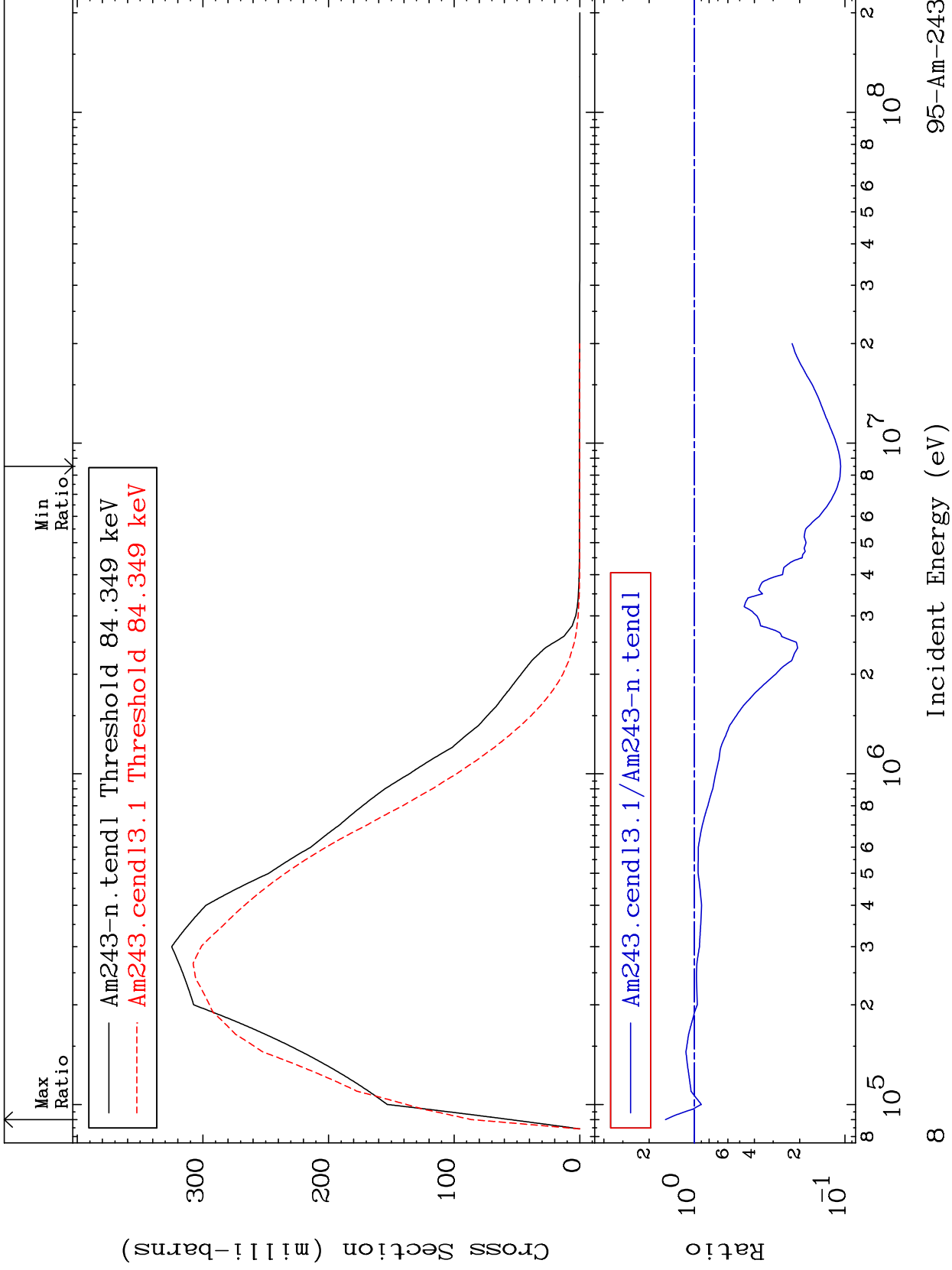
Incident Energy (eV)

95-Am-243

MAT 9549

84.00 keV (n,n') Level
Cross Section

95-Am-243
-89.32 To 55.90 %



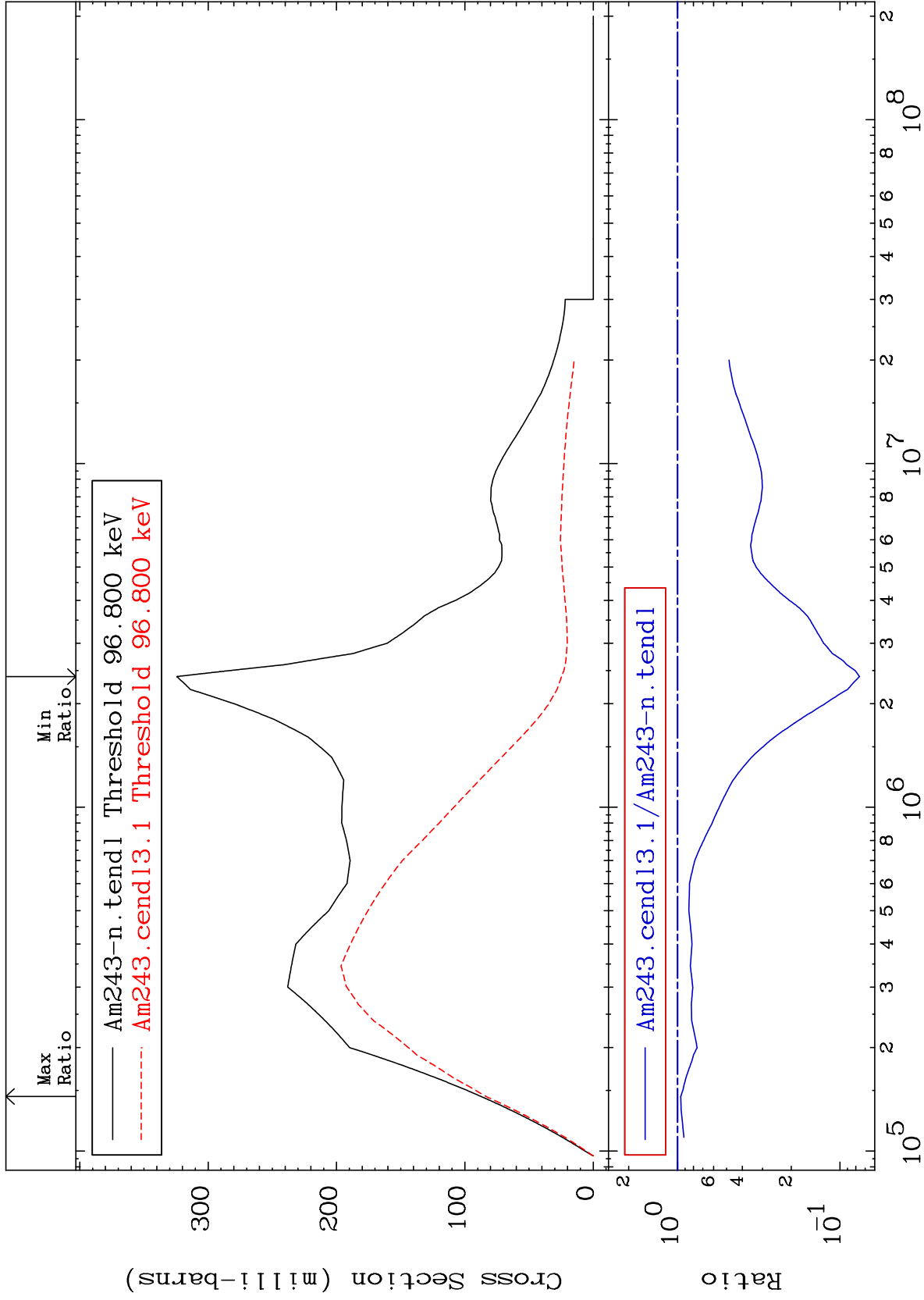
MAT 9549

96.40 keV (n,n') Level

95-Am-243

-92.41 To -4.318%

Cross Section



9

95-Am-243

95-Am-243

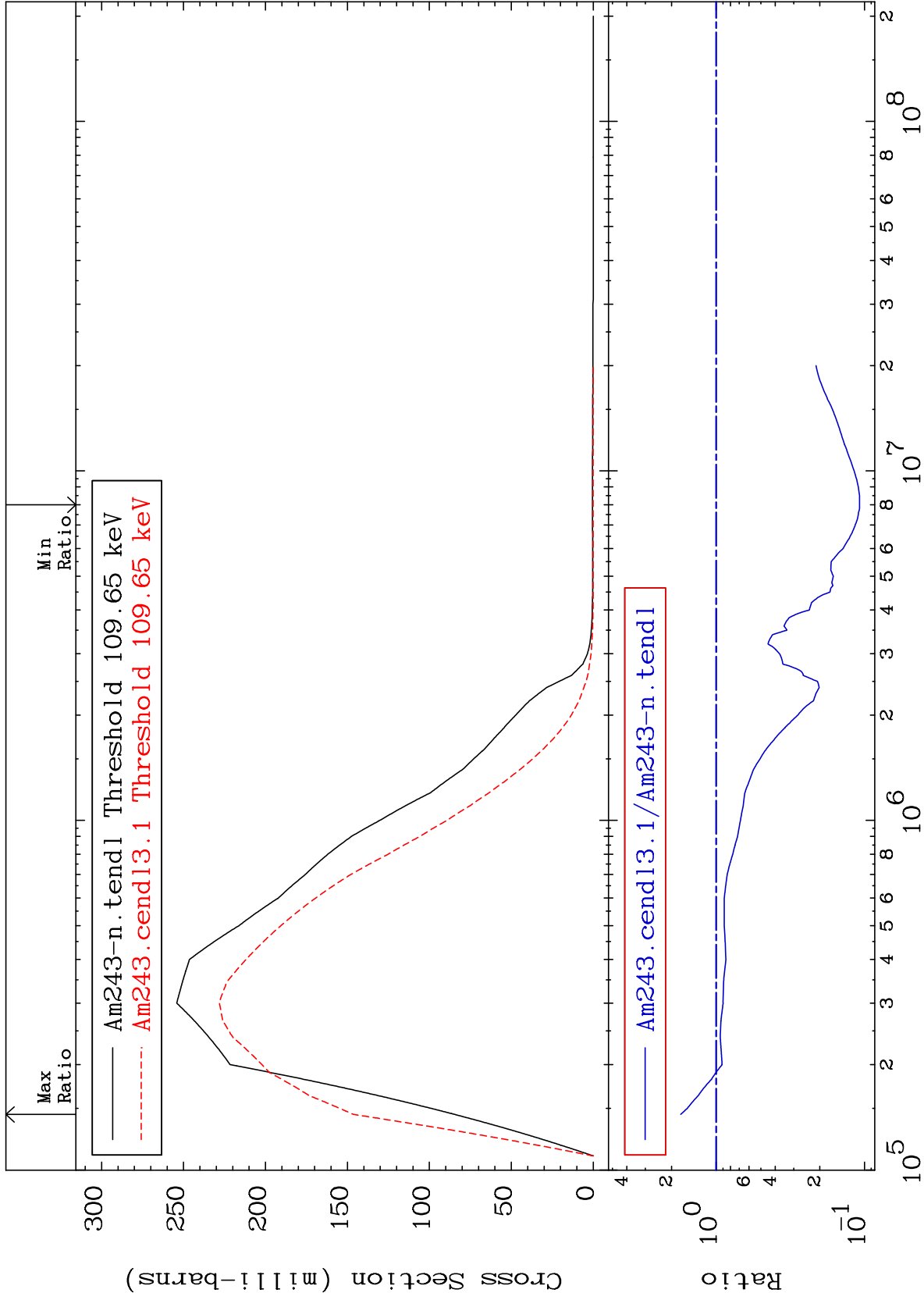
MAT 9549

109.2 keV (n,n') Level

95-Am-243

-89.20 To 73.21 %

Cross Section



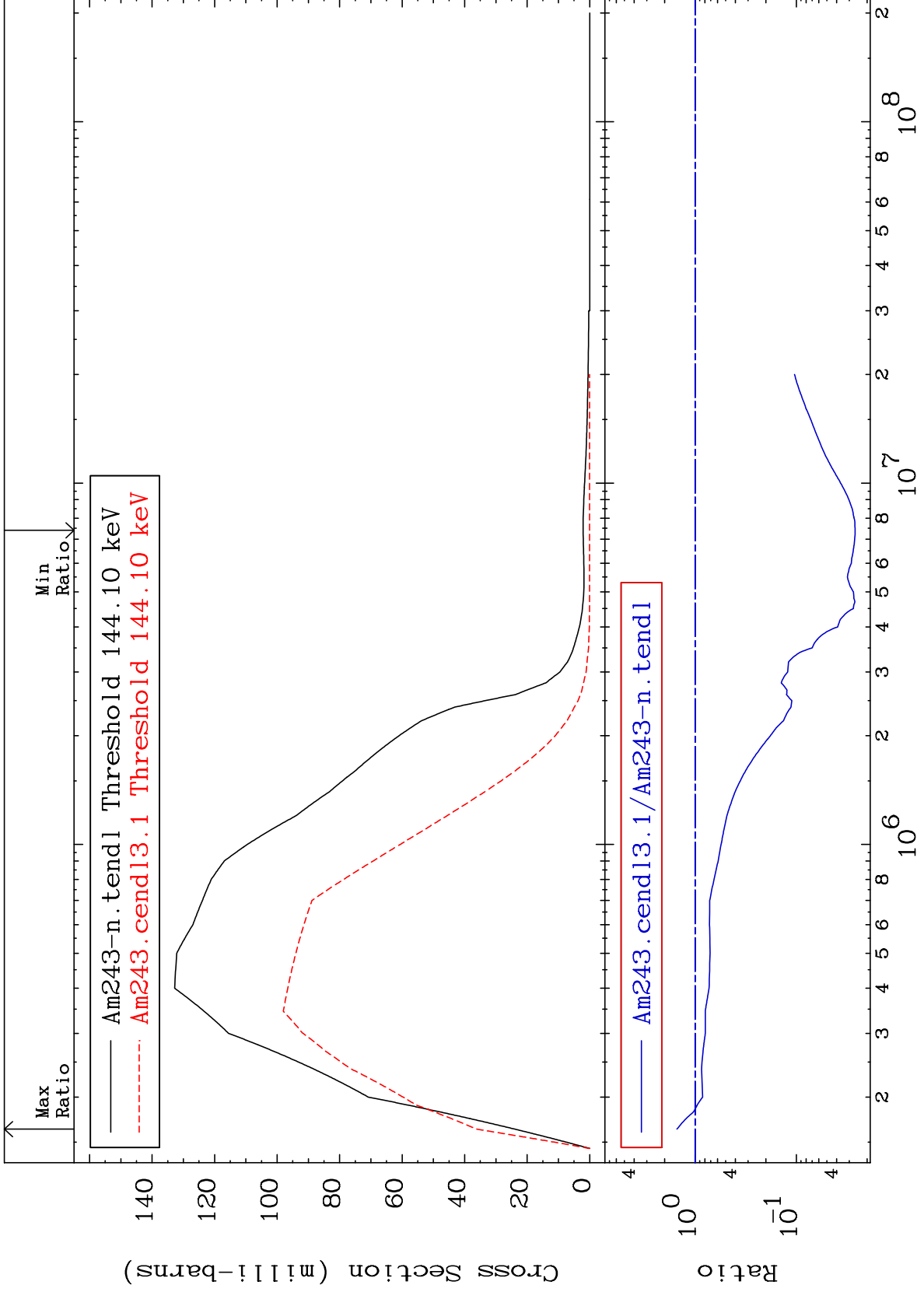
95-Am-243

Incident Energy (eV)

MAT 9549

143.5 keV (n,n') Level
Cross Section

95-Am-243
-97.37 To 51.16 %



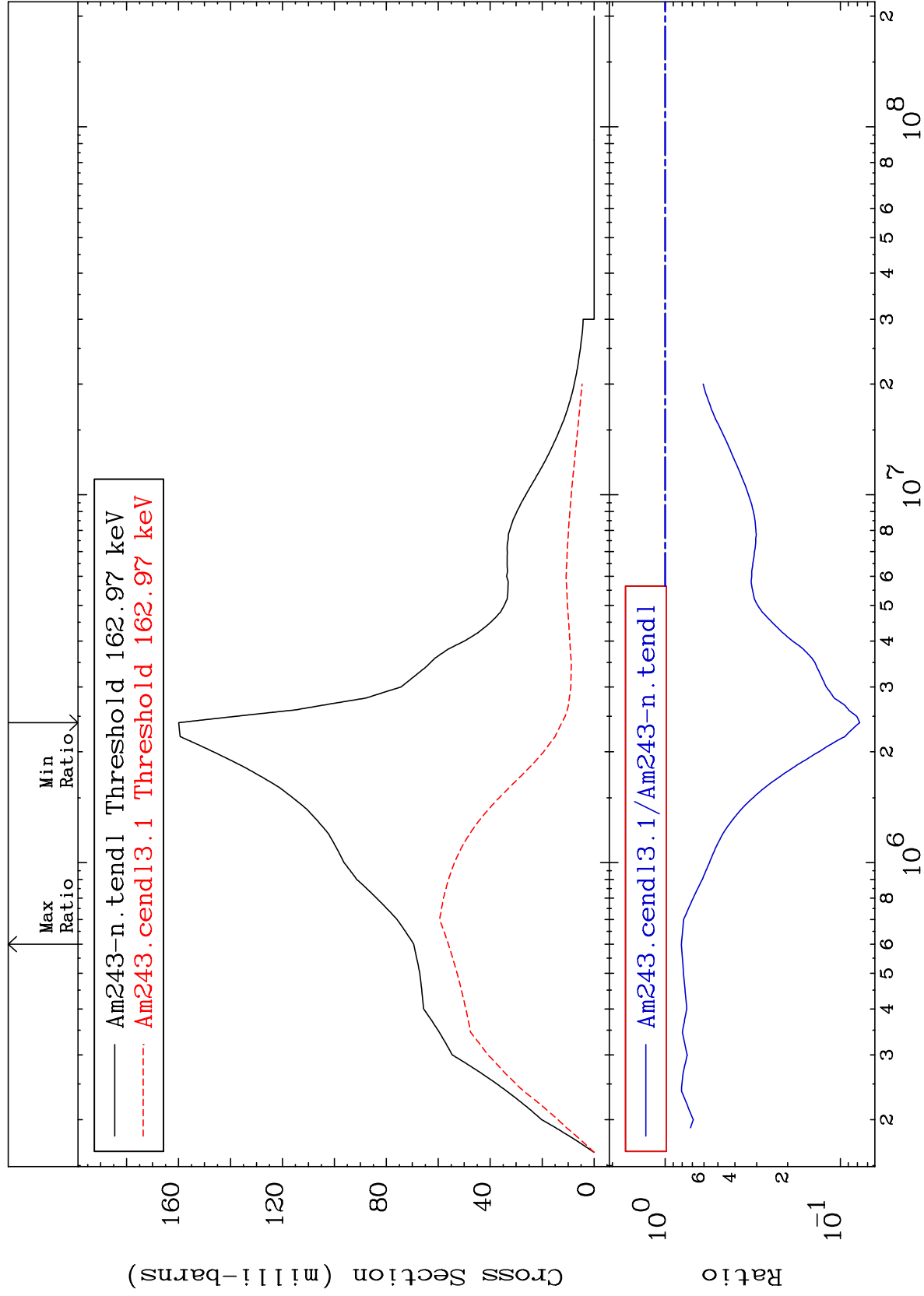
MAT 9549

162.3 keV (n,n') Level

95-Am-243

-92.24 To -19.22%

Cross Section



12

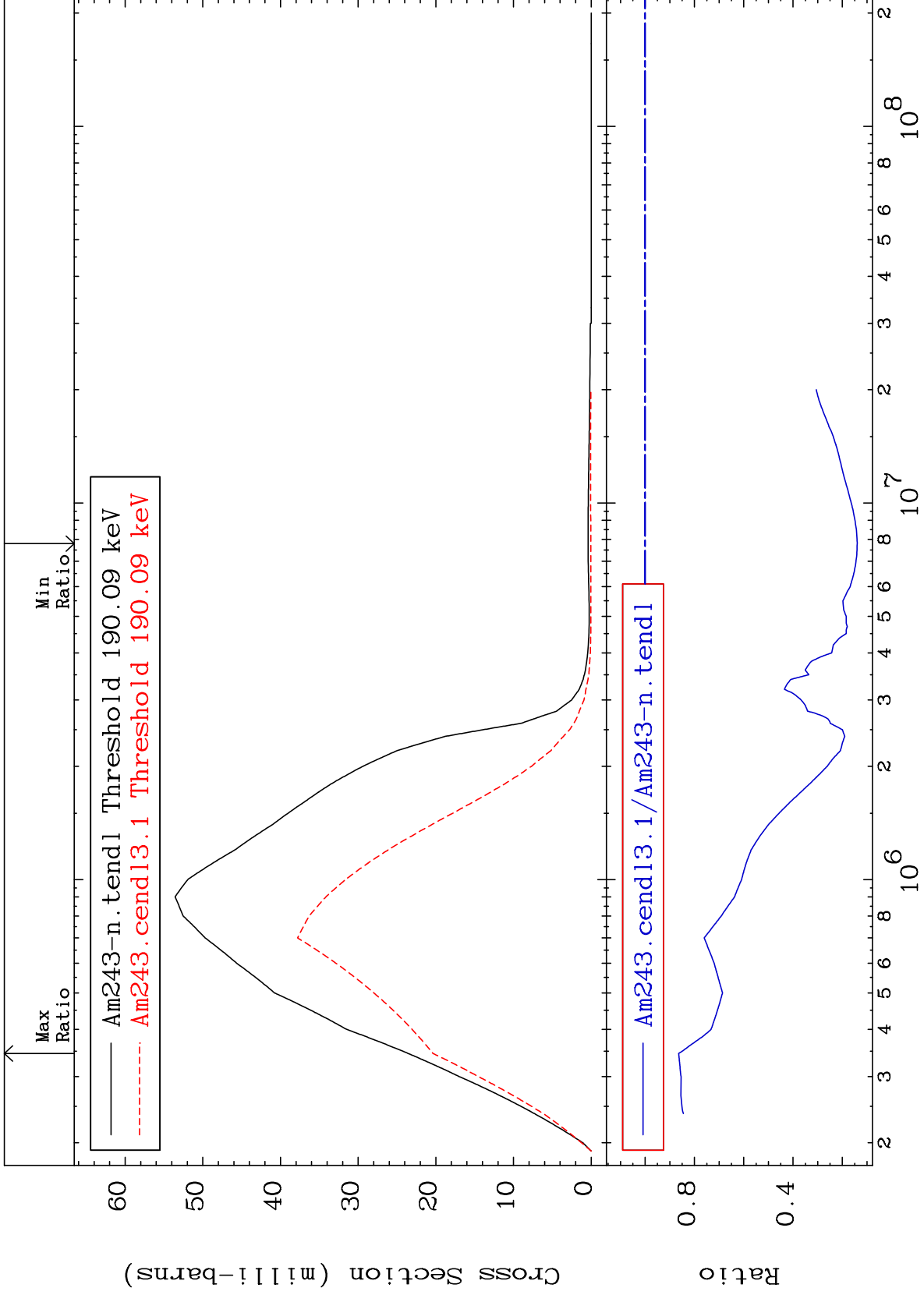
Incident Energy (eV)

95-Am-243

MAT 9549

189.3 keV (n,n') Level
Cross Section

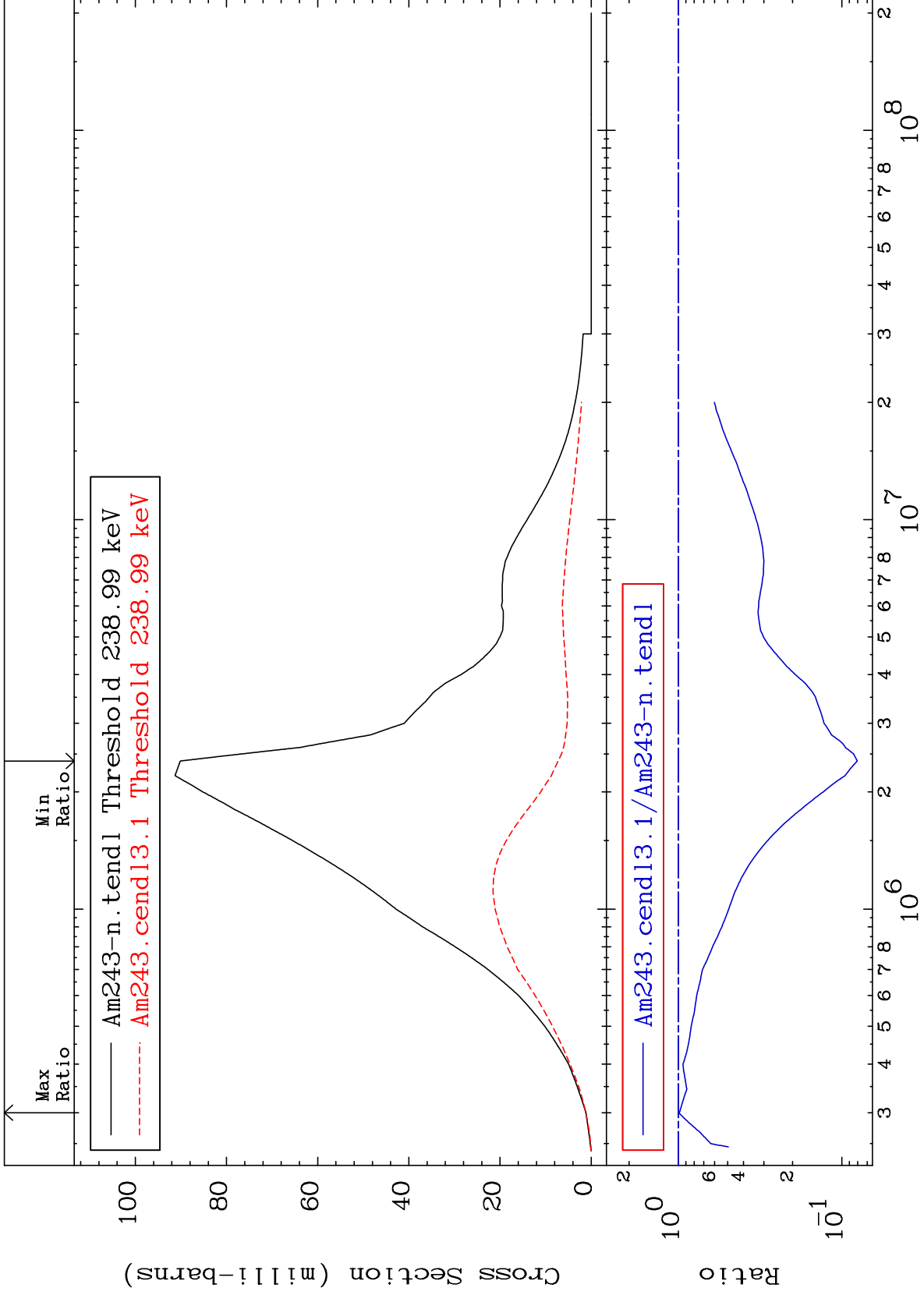
95-Am-243
-86.05 To -13.58%



MAT 9549

238.0 keV (n,n') Level
Cross Section

95-Am-243
-91.95 To -0.346%



14

Incident Energy (eV)

95-Am-243

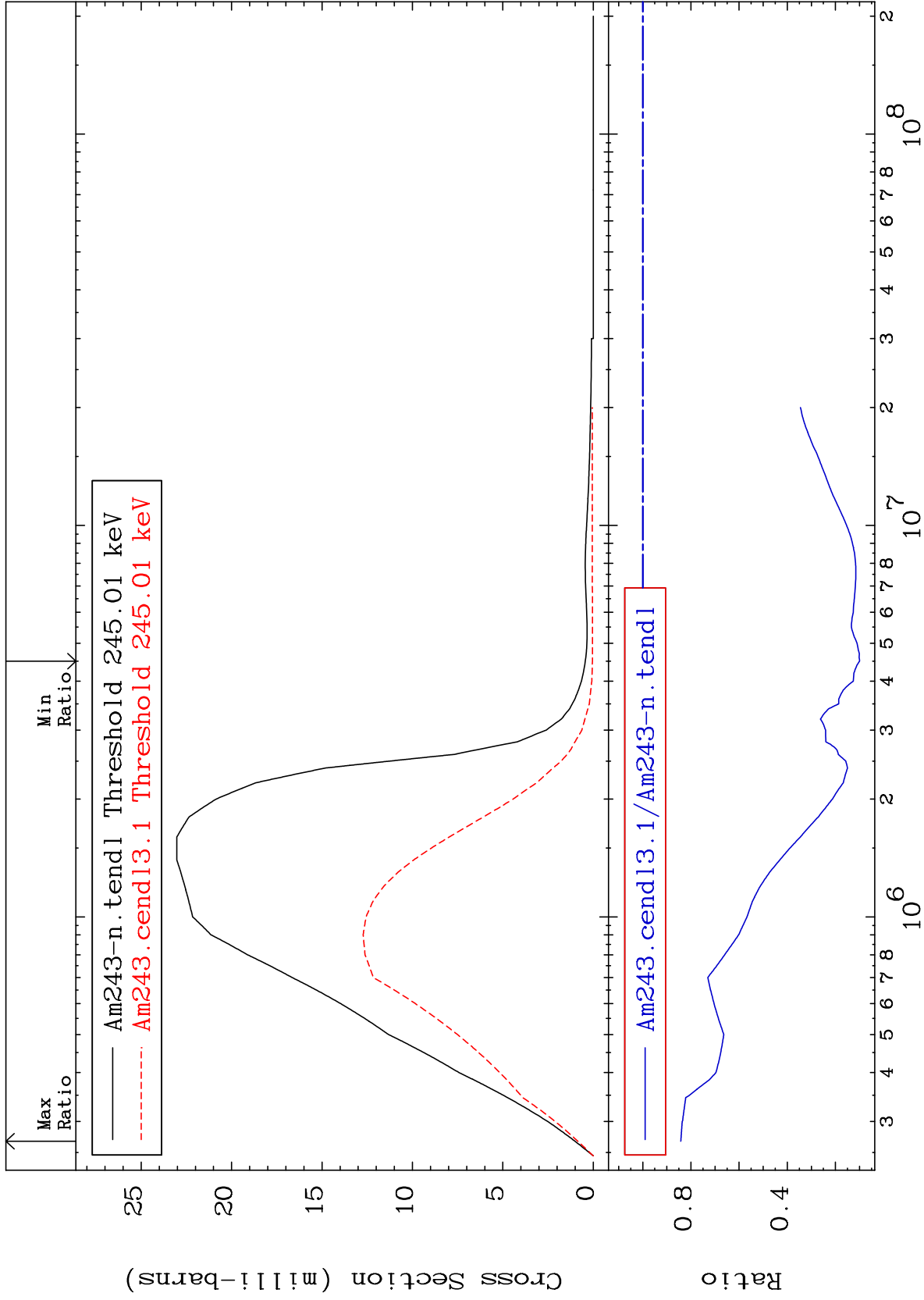
MAT 9549

244.0 keV (n,n') Level

95-Am-243

-89.99 To -15.78%

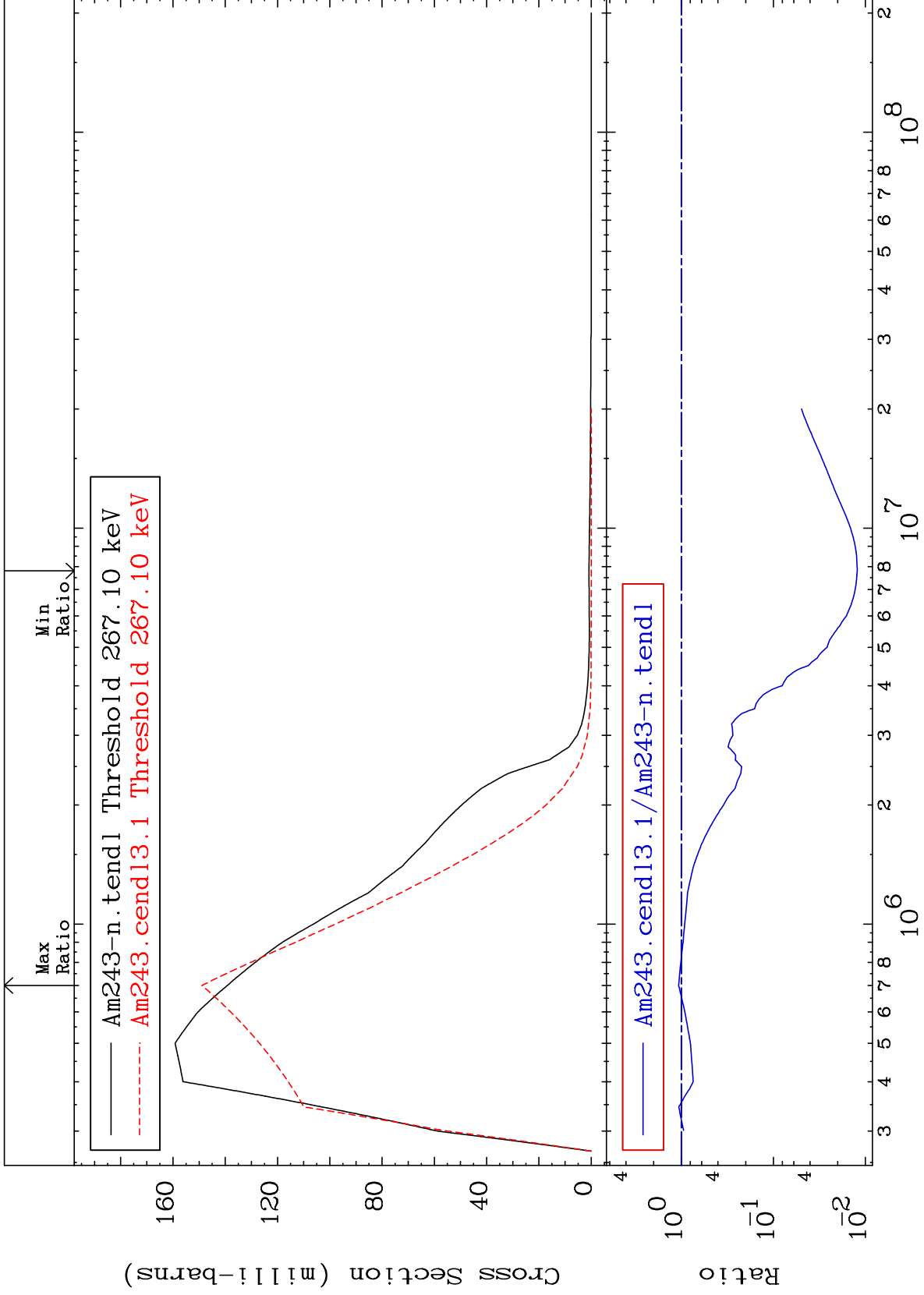
Cross Section



MAT 9549

266.0 keV (n,n') Level
Cross Section

95-Am-243
-98.77 To 6.992 %



16

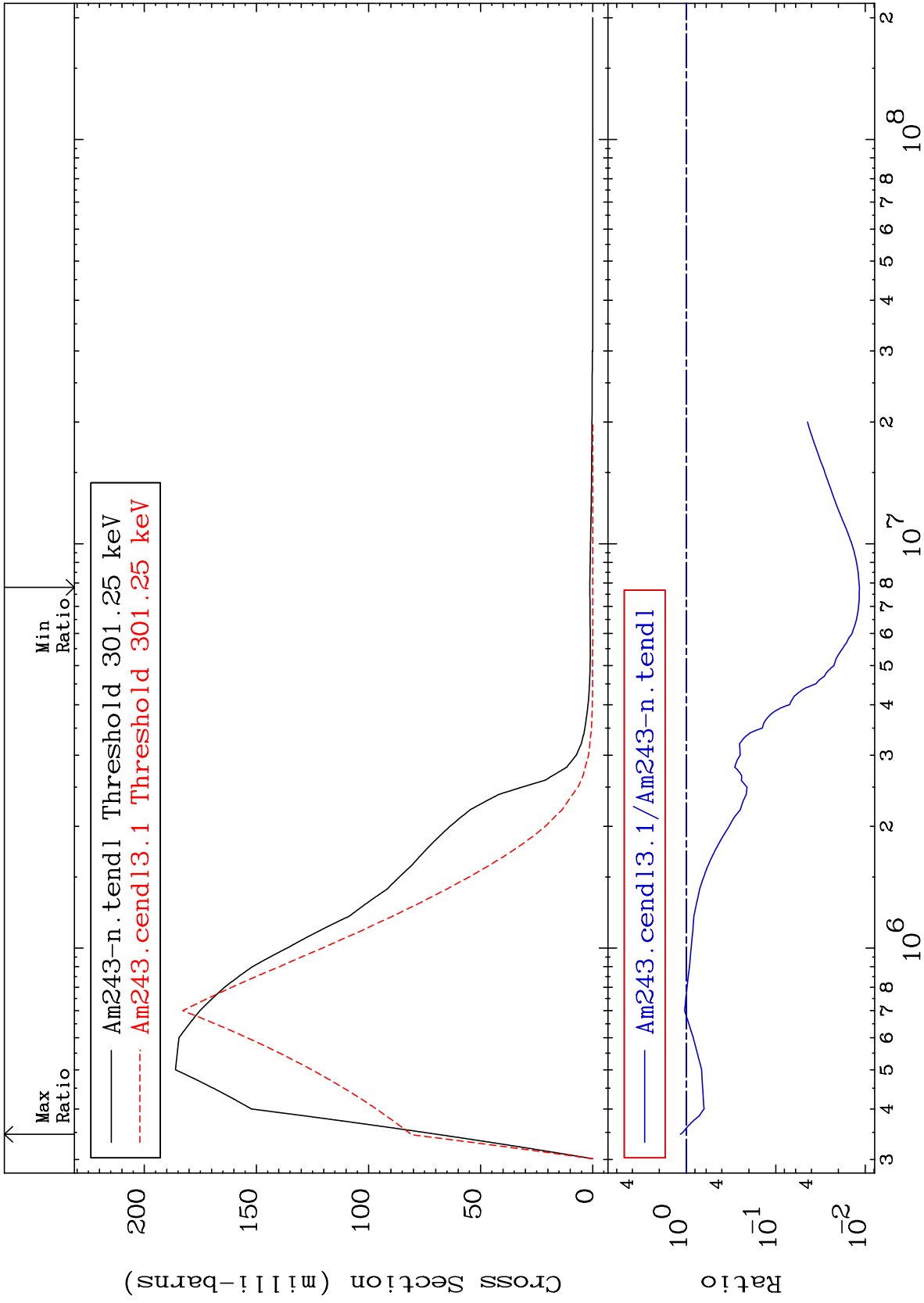
Incident Energy (eV)

95-Am-243

MAT 9549

300.0 keV (n,n') Level
Cross Section

95-Am-243
-98.84 To 16.43 %



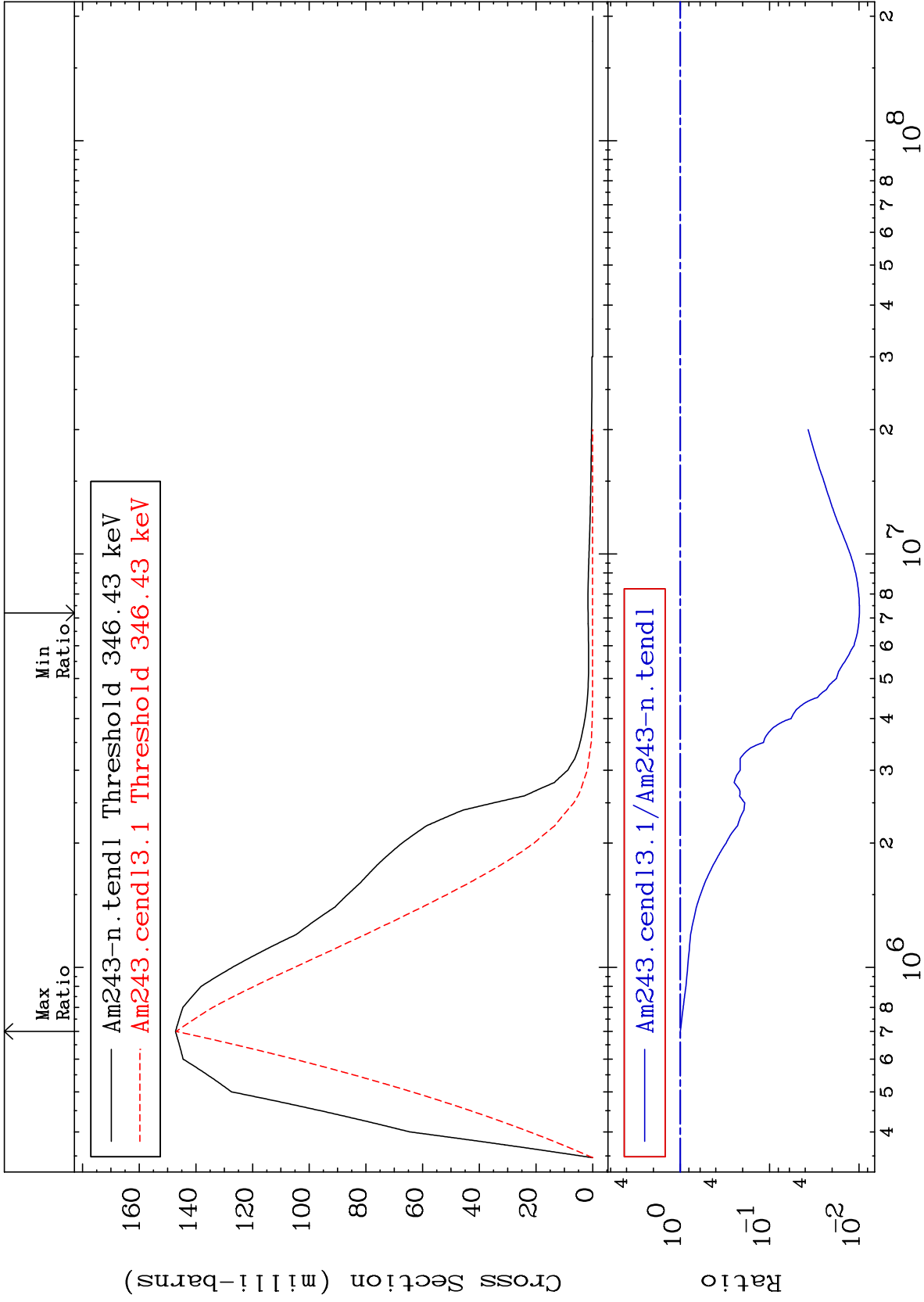
17

95-Am-243

MAT 9549

345.0 keV (n,n') Level
Cross Section

95-Am-243
-99.01 To -0.174%



18

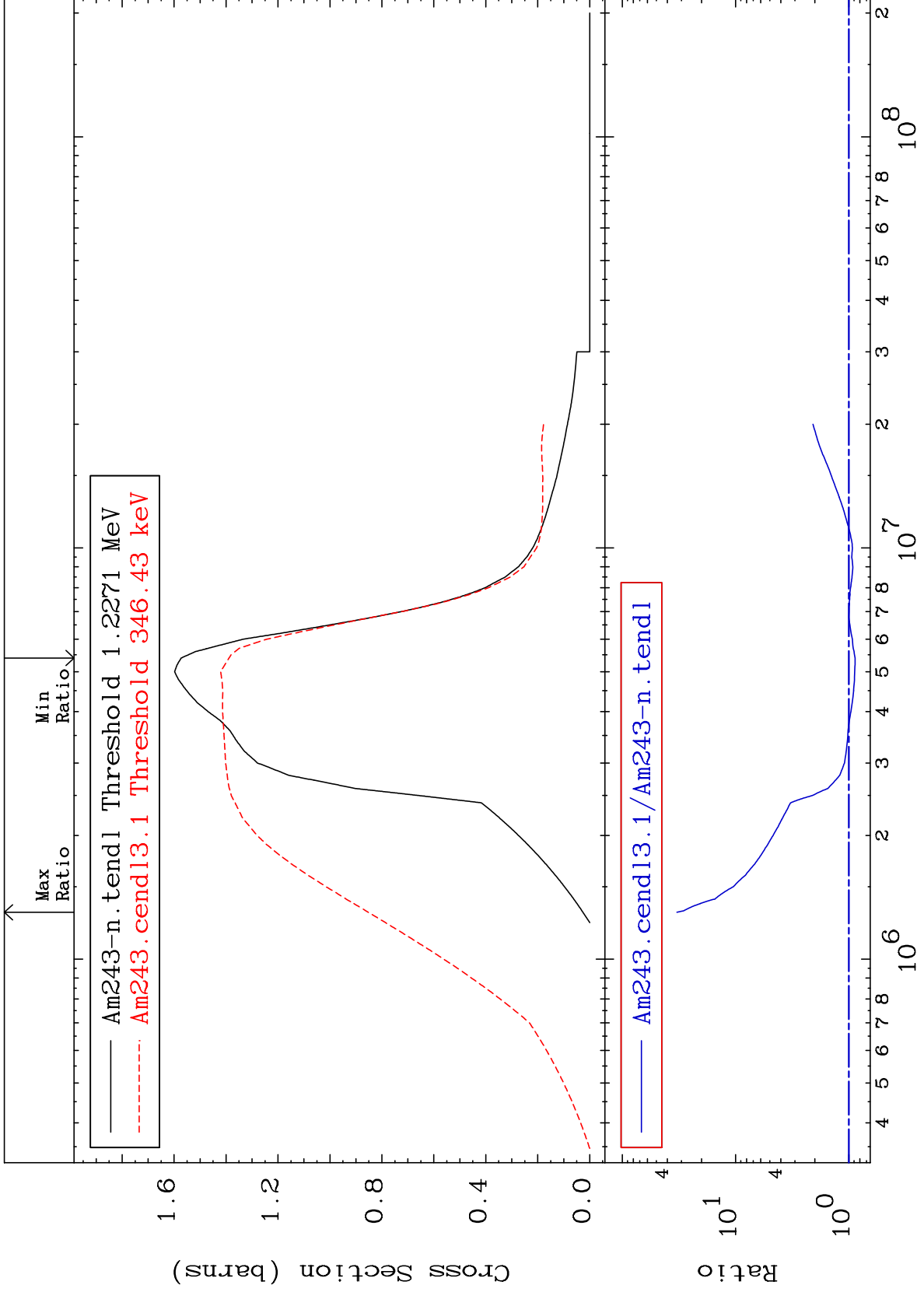
Incident Energy (eV)

95-Am-243

MAT 9549

(n, n') Continuum
Cross Section

95-Am-243
-11.72 To 3194. %



19

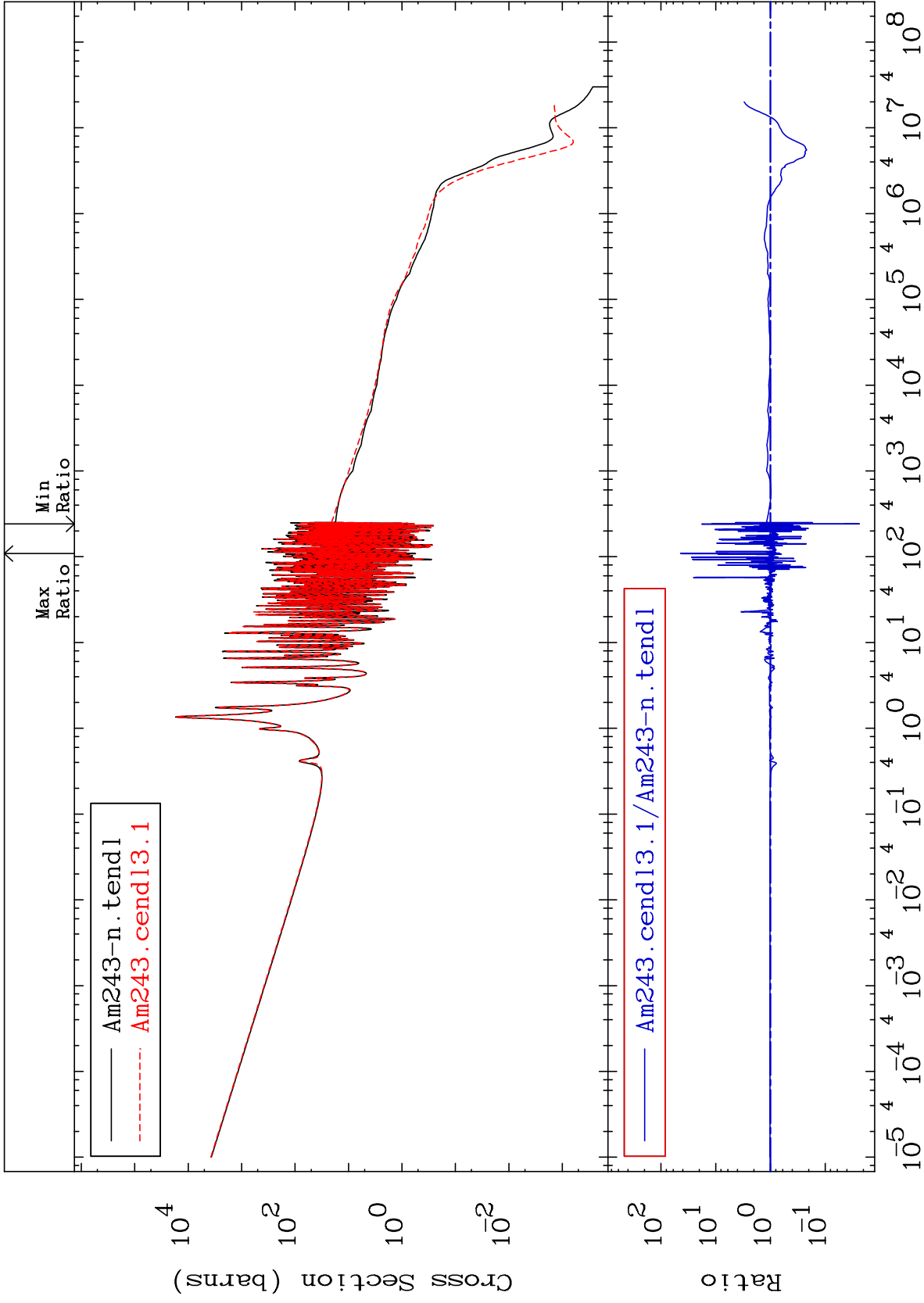
Incident Energy (eV)

95-Am-243

MAT 9549

(n, γ)
Cross Section

95-Am-243
-97.63 To 4331. %



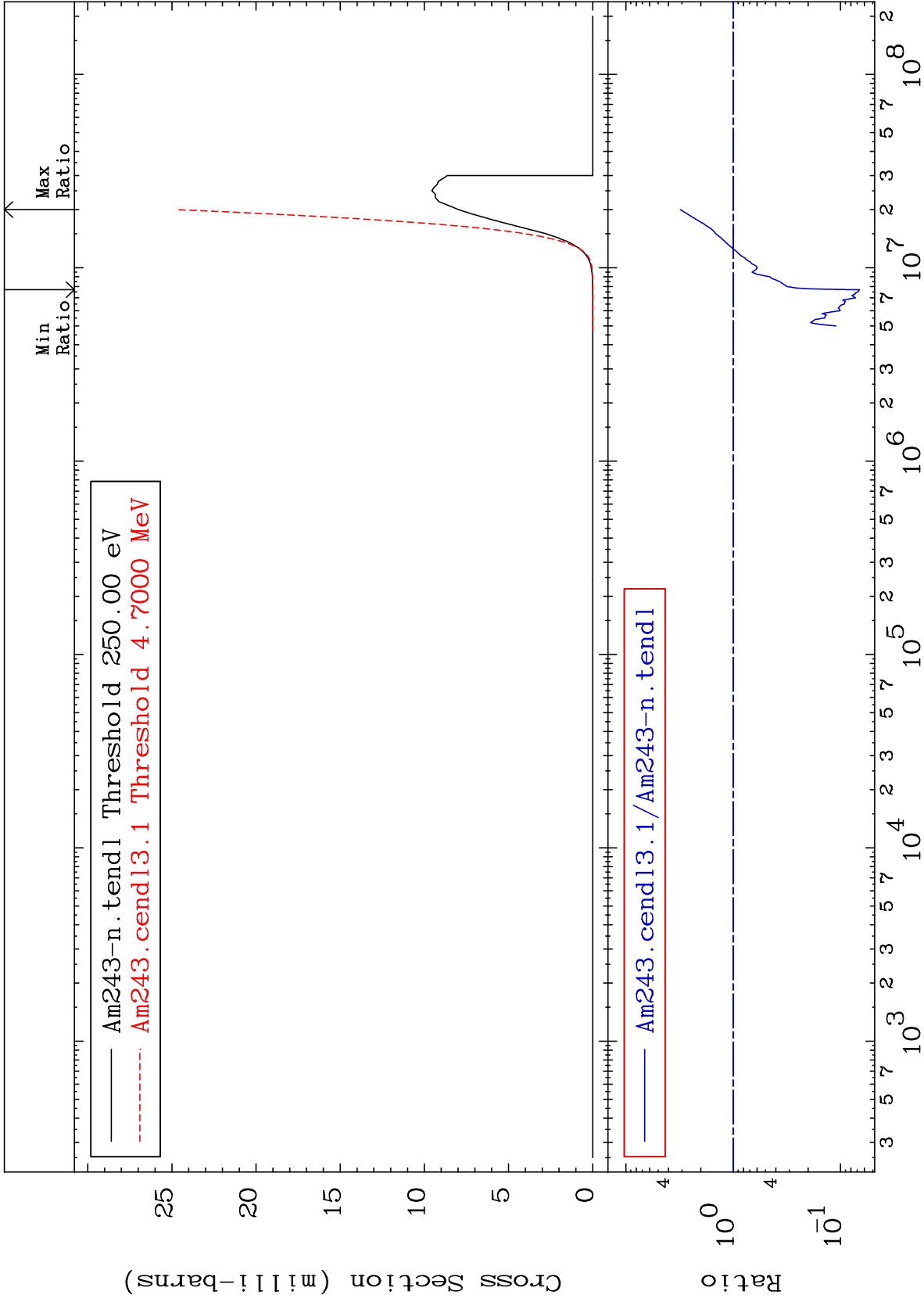
MAT 9549

(n, p)

95-Am-243

Cross Section

-93.33 To 210.4 %



21

Incident Energy (eV)

95-Am-243

MAT 9549

95-Am-243

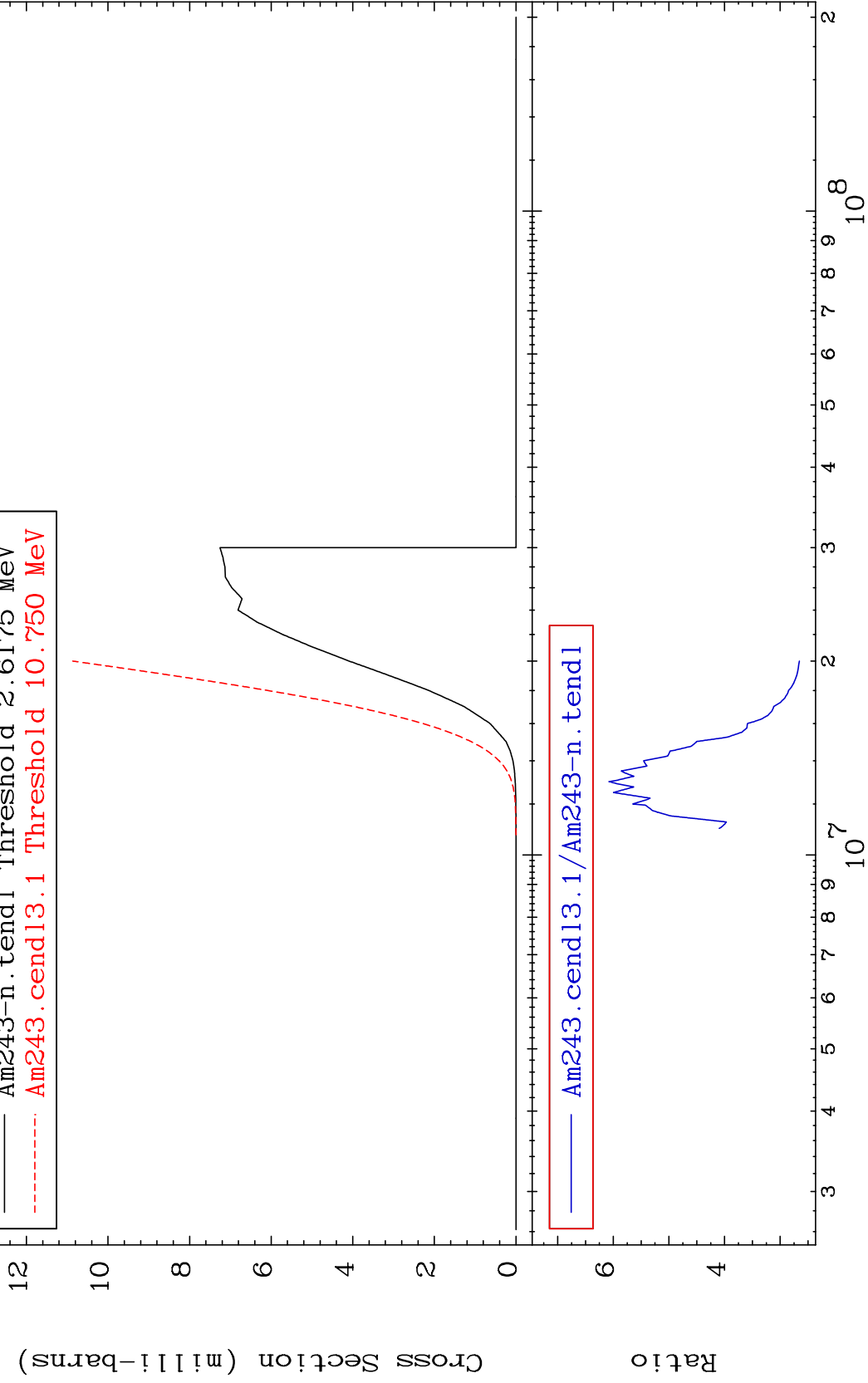
(n, d) 165.5 To 507.5 %

Cross Section

Max Ratio

Min Ratio

Am243-n.tend1 Threshold 2.6175 MeV
Am243.cend13.1 Threshold 10.750 MeV



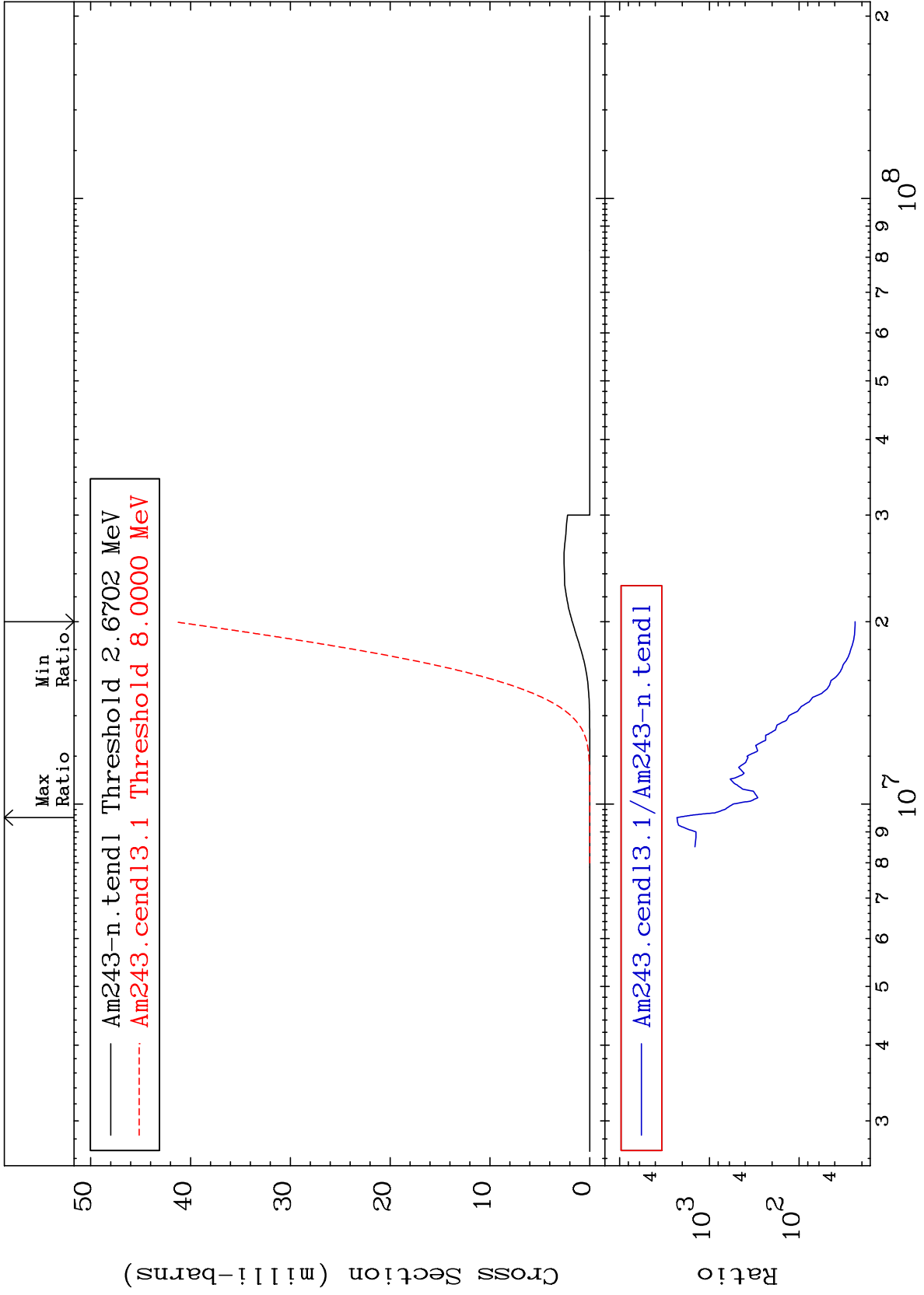
22

Incident Energy (eV)

95-Am-243

MAT 9549

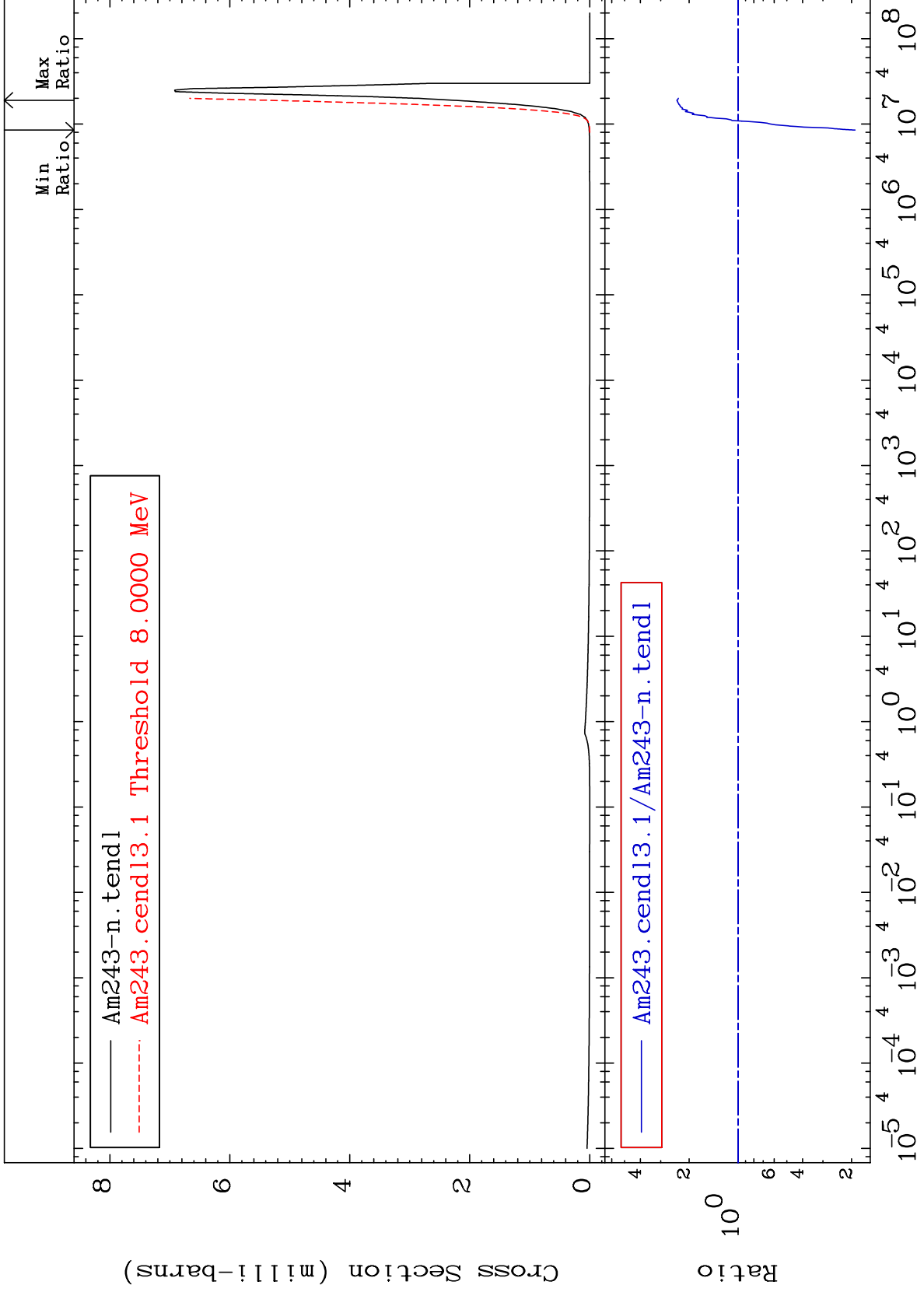
(n, t) Cross Section
95-Am-243
2280. To 9999. %



MAT 9549

(n, α)
Cross Section

95-Am-243
-80.99 To 138.1 %



24

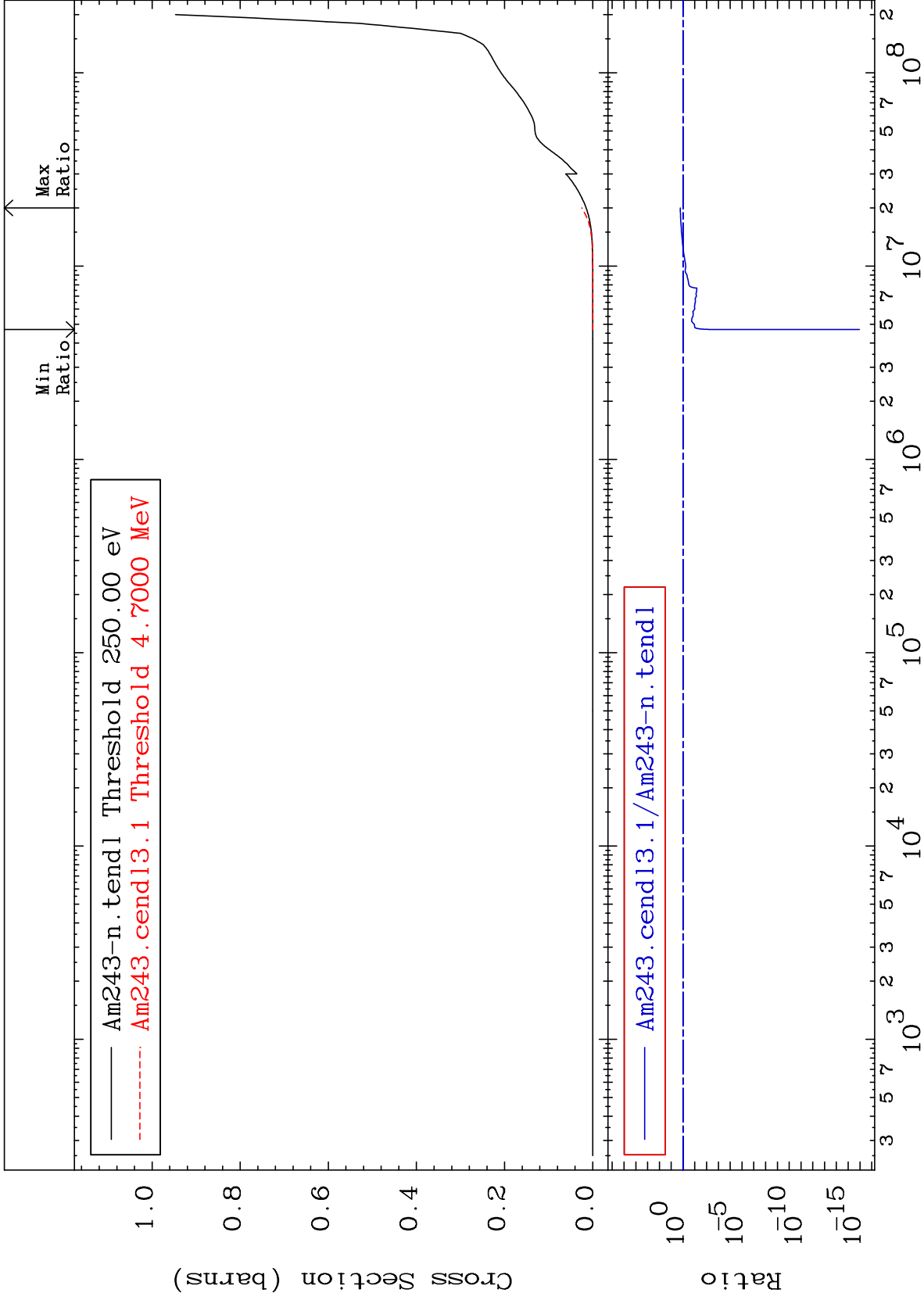
Incident Energy (eV)

95-Am-243

MAT 9549

Hydrogen Production Cross Section

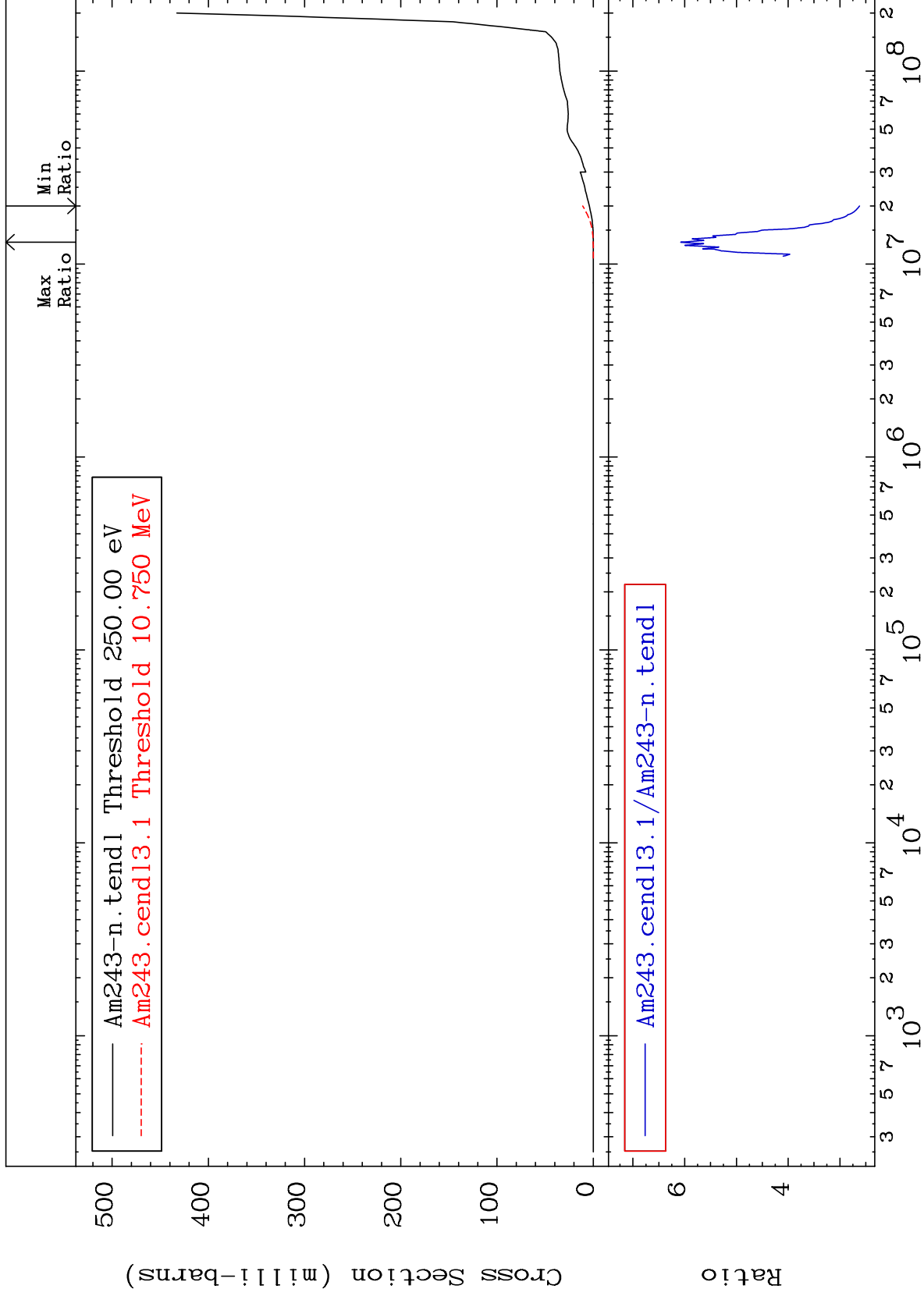
95-Am-243
-100.0 To 67.49 %

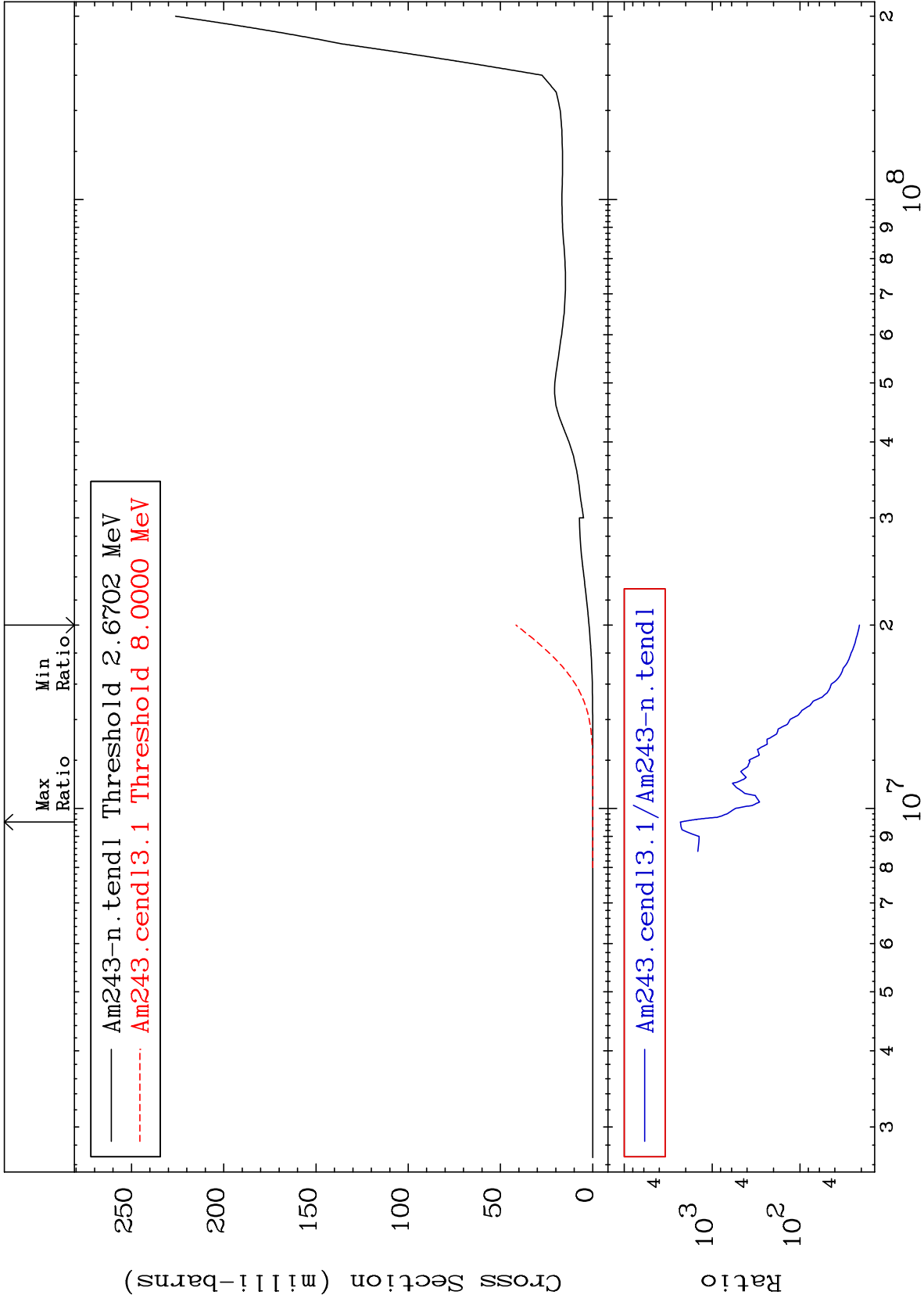


MAT 9549

Deuterium Production
Cross Section

95-Am-243
162.0 To 507.5 %

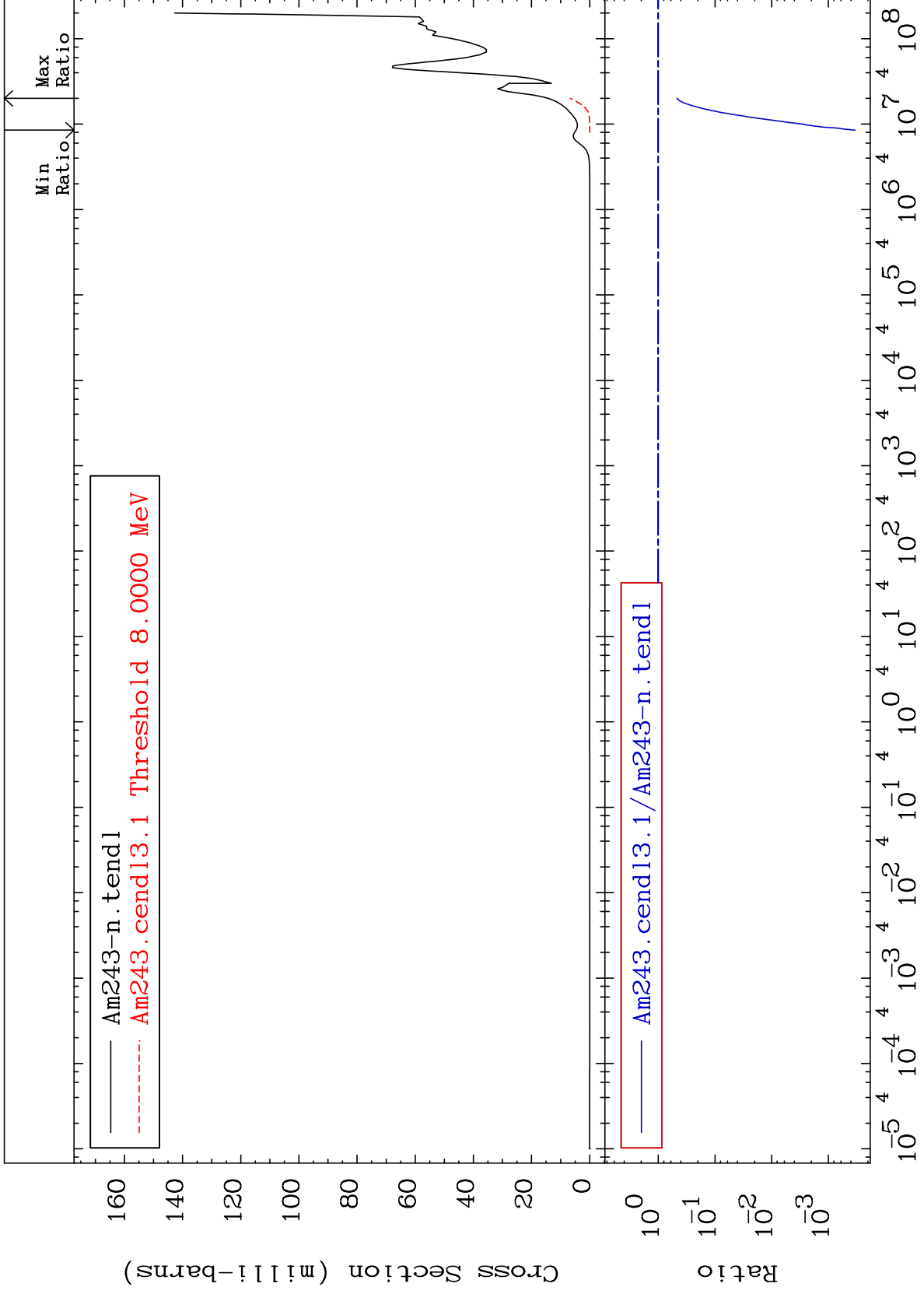


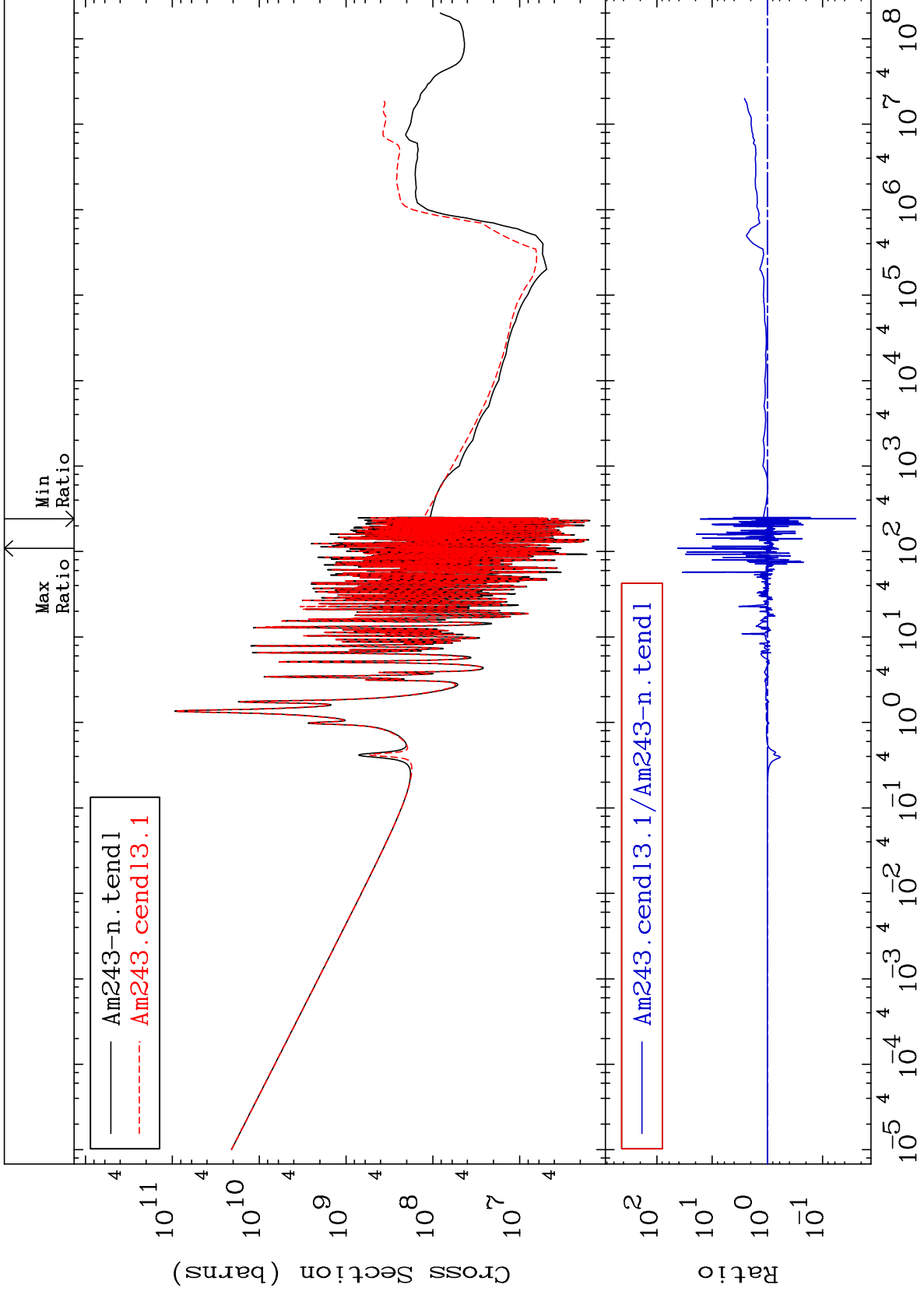


MAT 9549

He-4 Production
Cross Section

95-Am-243
-99.97 To -53.12%

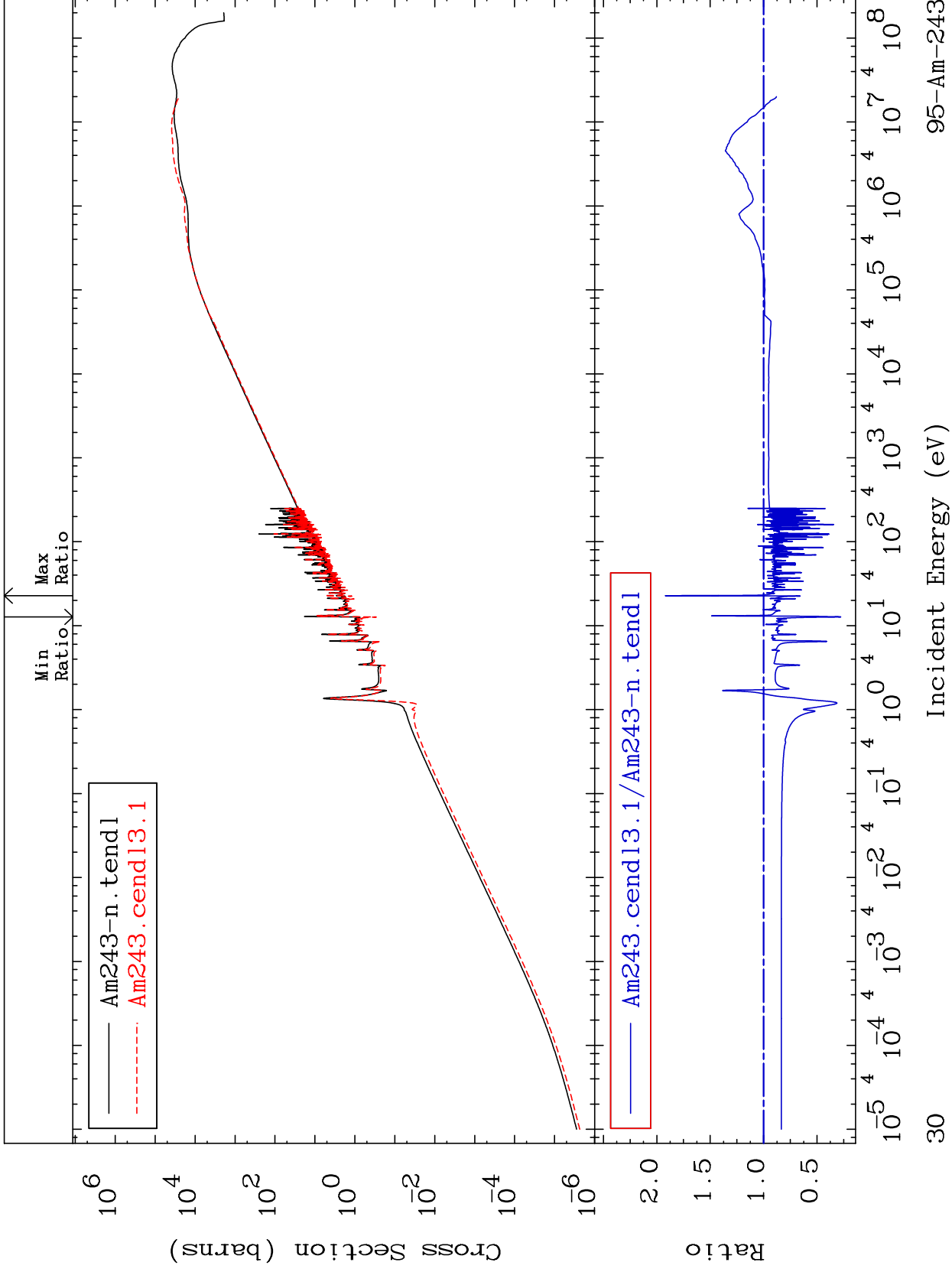


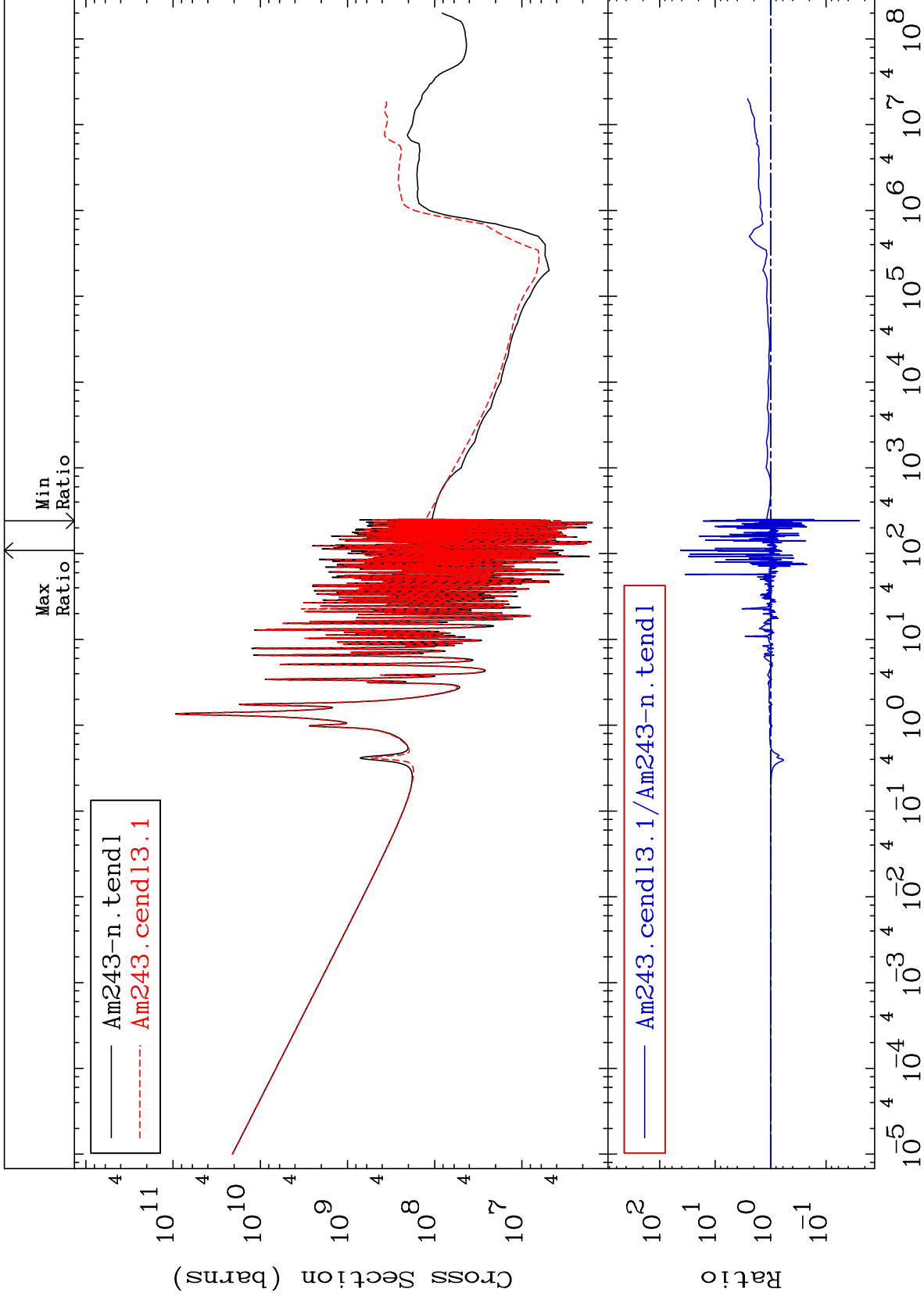


MAT 9549

Kerma elastic
Cross Section

95-Am-243
-72.17 To 91.85 %

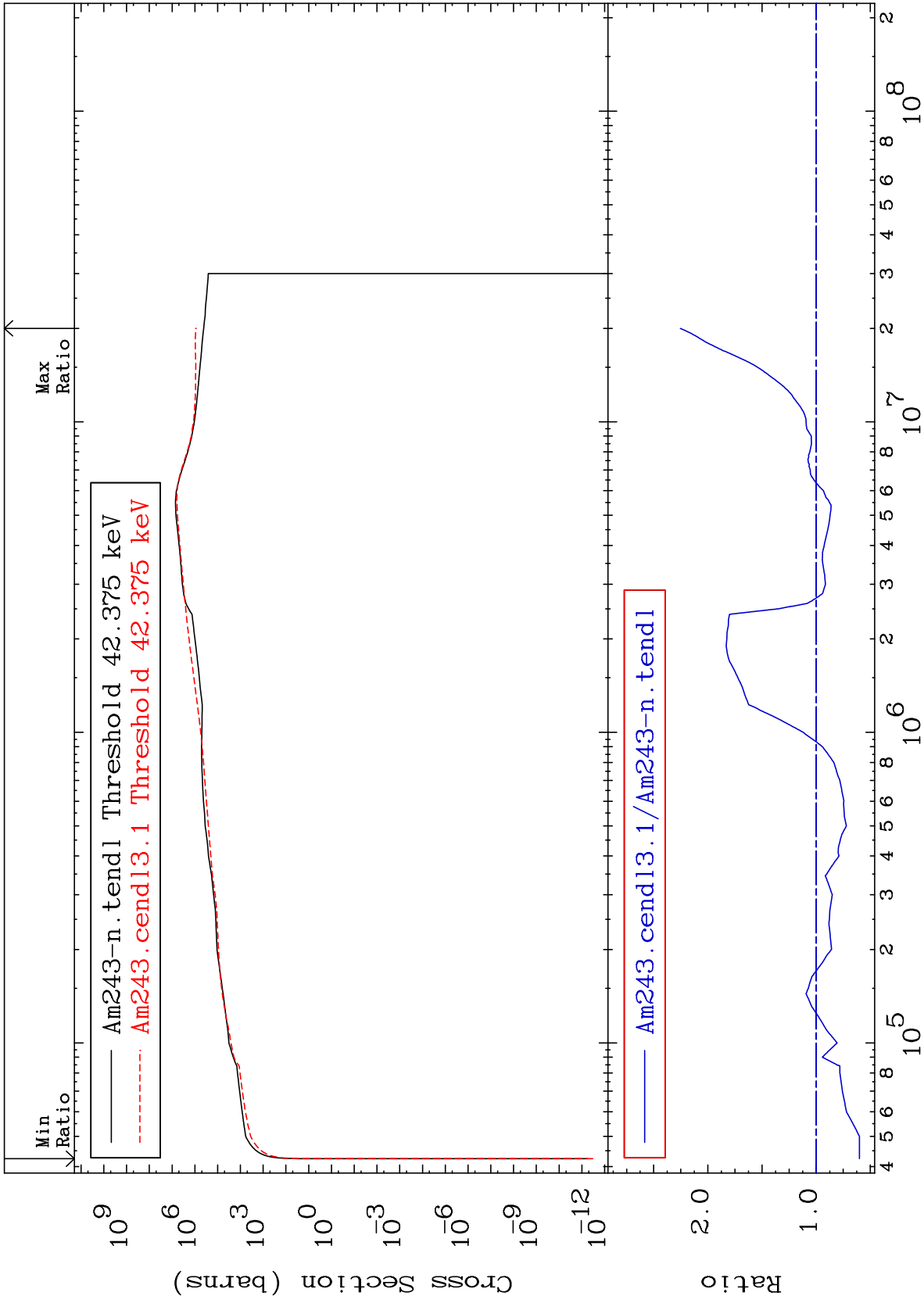


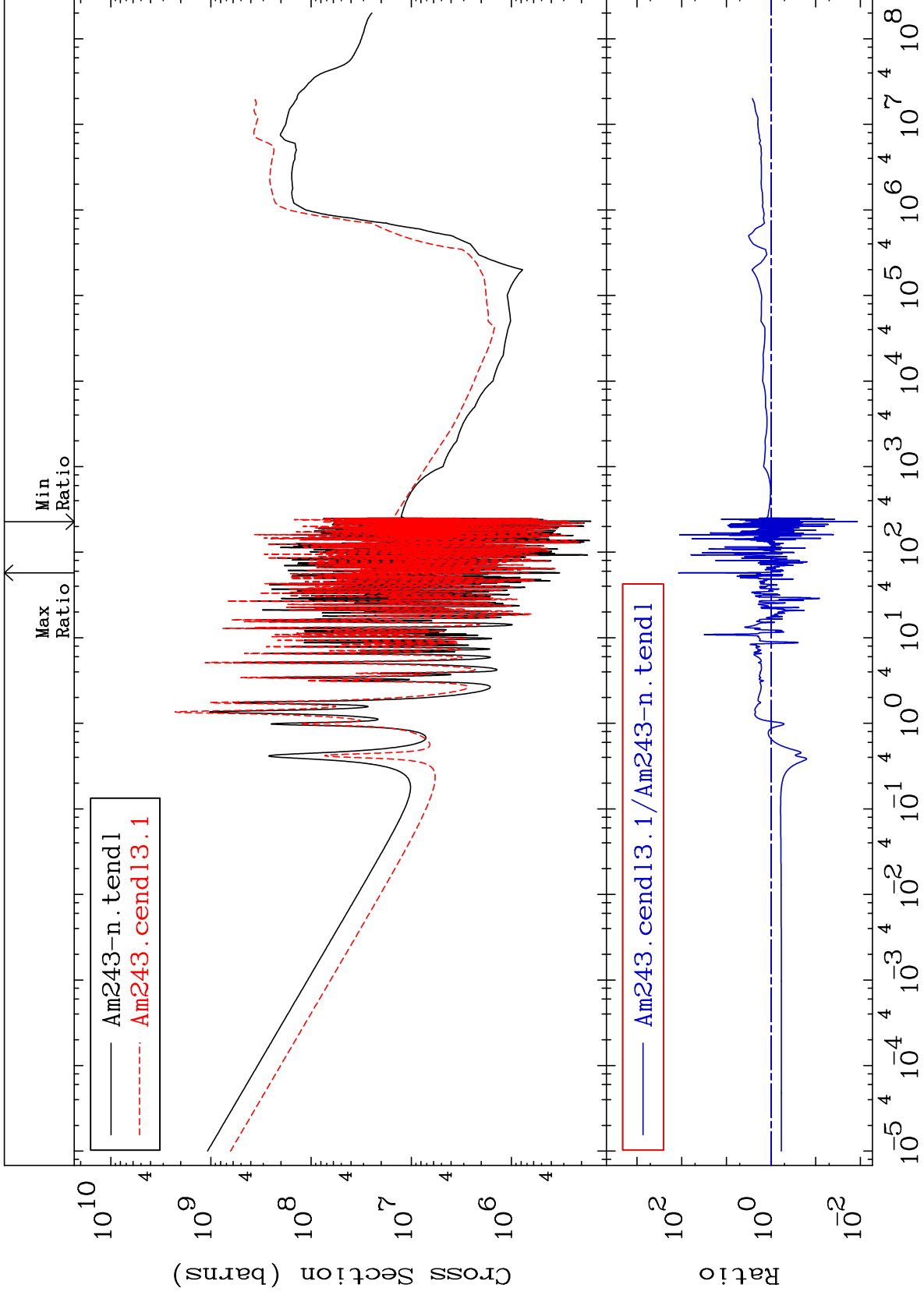


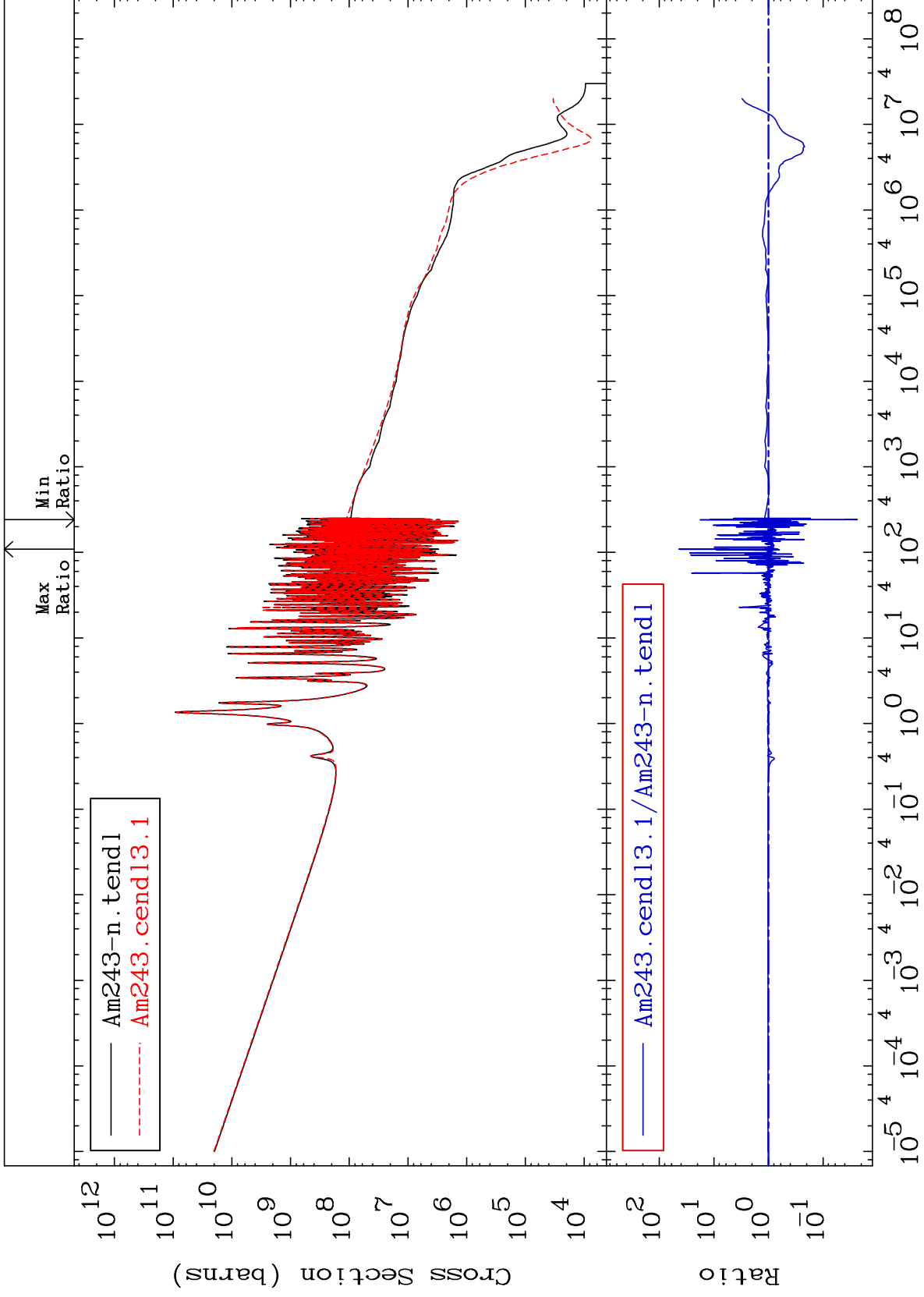
MAT 9549

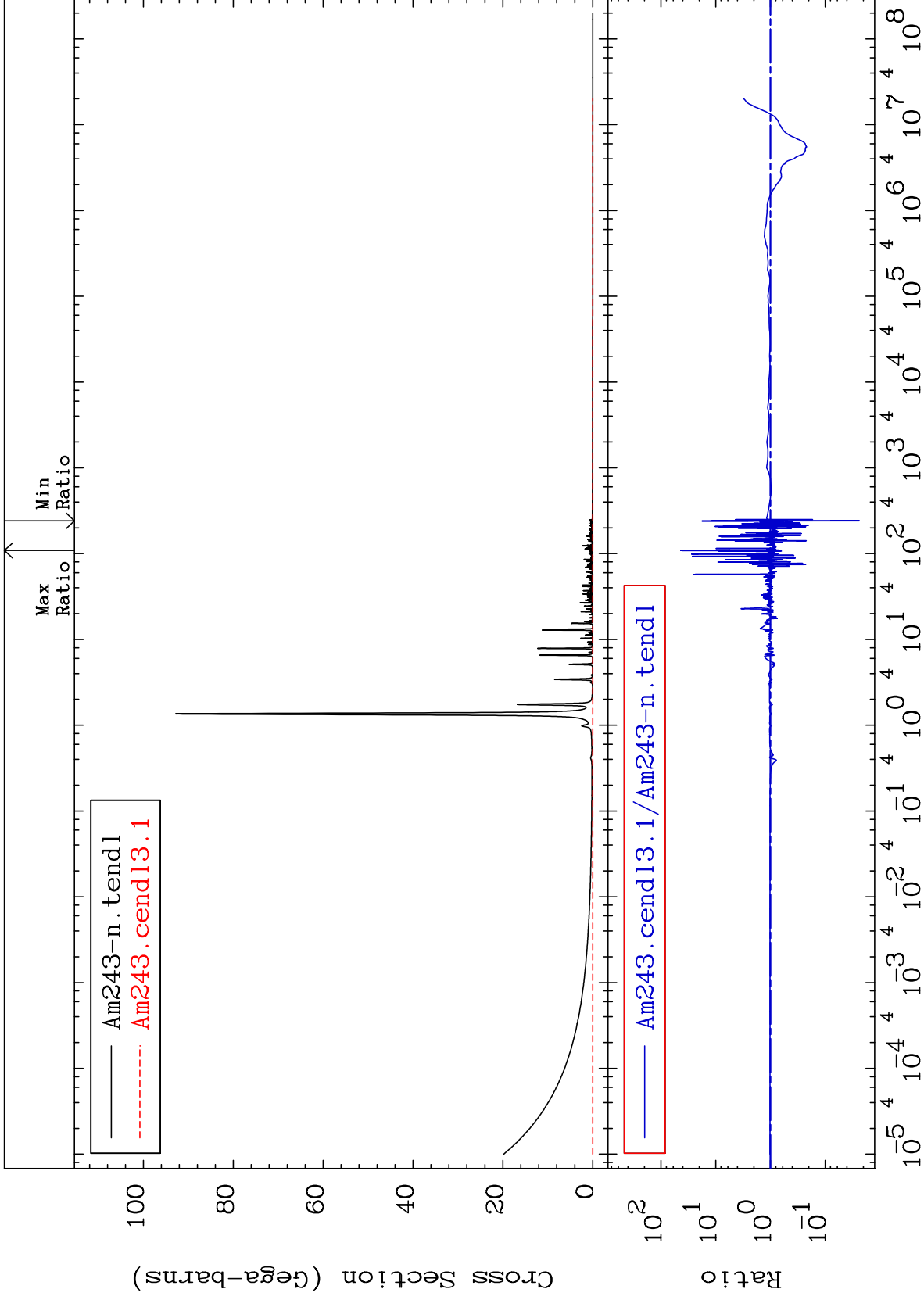
Kerma inelastic (mt51-91)
Cross Section

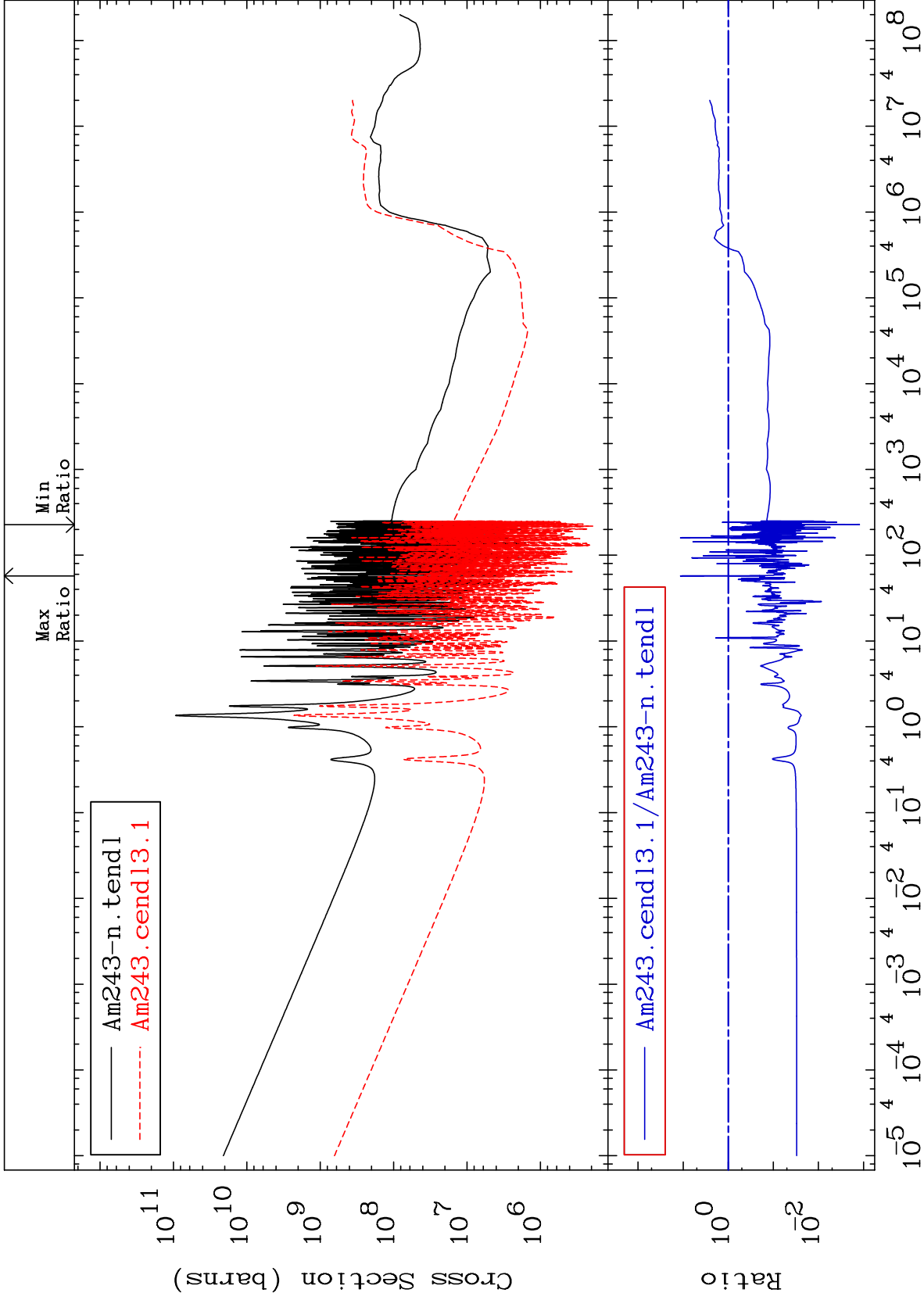
95-Am-243
-39.92 To 125.4 %











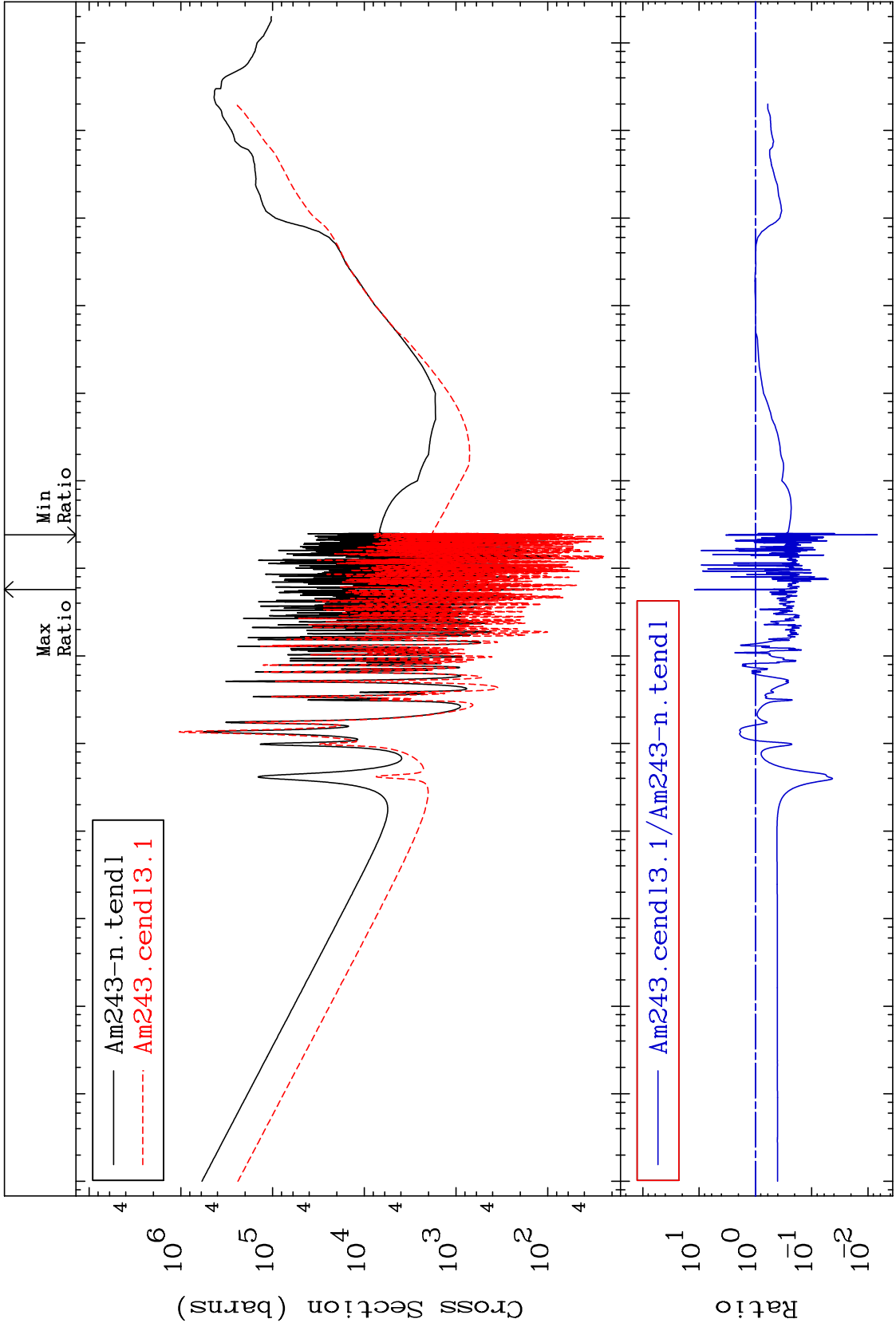
MAT 9549

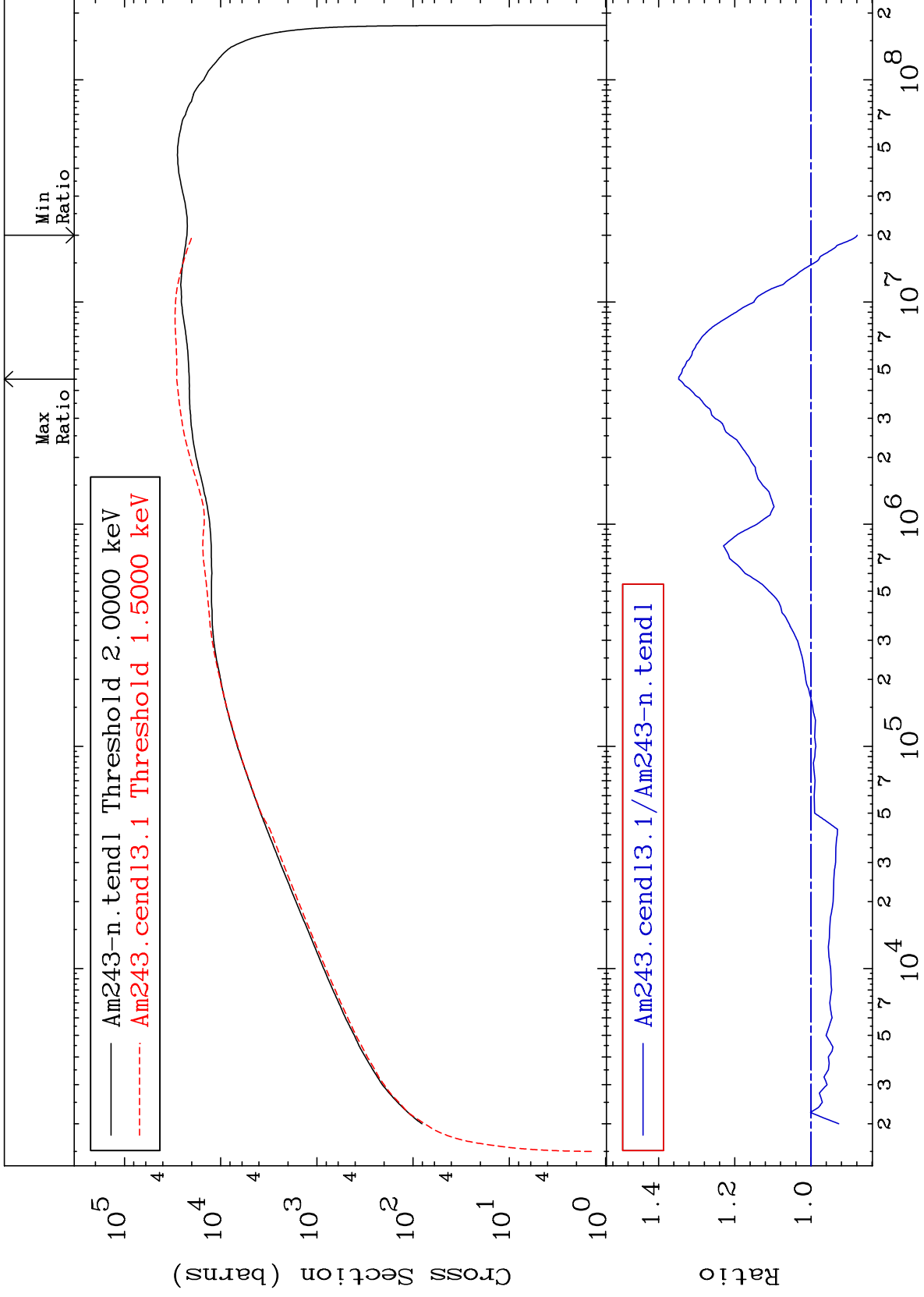
Dpa total (eV-barns)

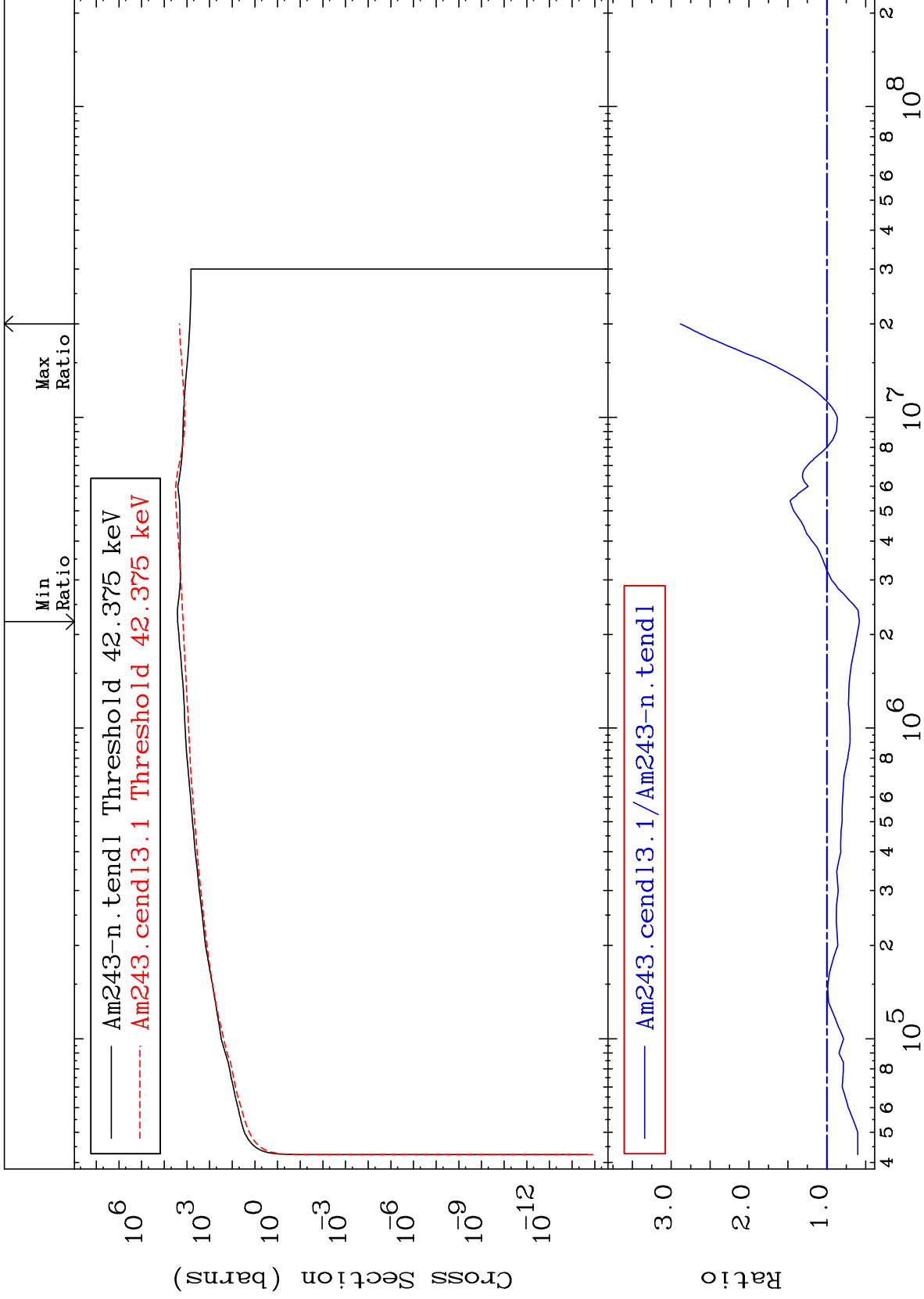
95-Am-243

-99.32 To 1111. %

Cross Section



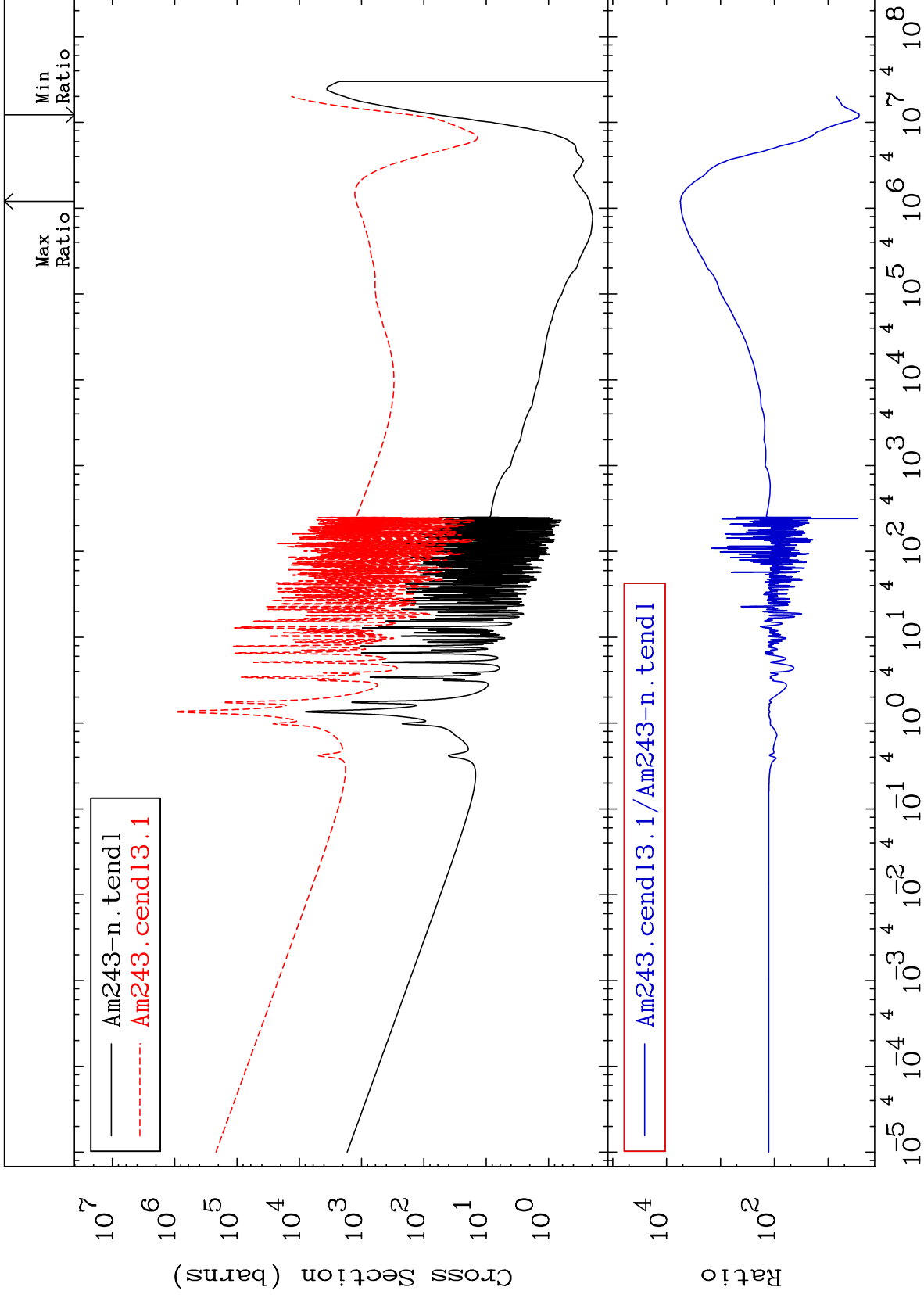




MAT 9549

Dpa disappearance (mt102 -120)
Cross Section

95-Am-243
163.2 To 9999. %



40

95-Am-243