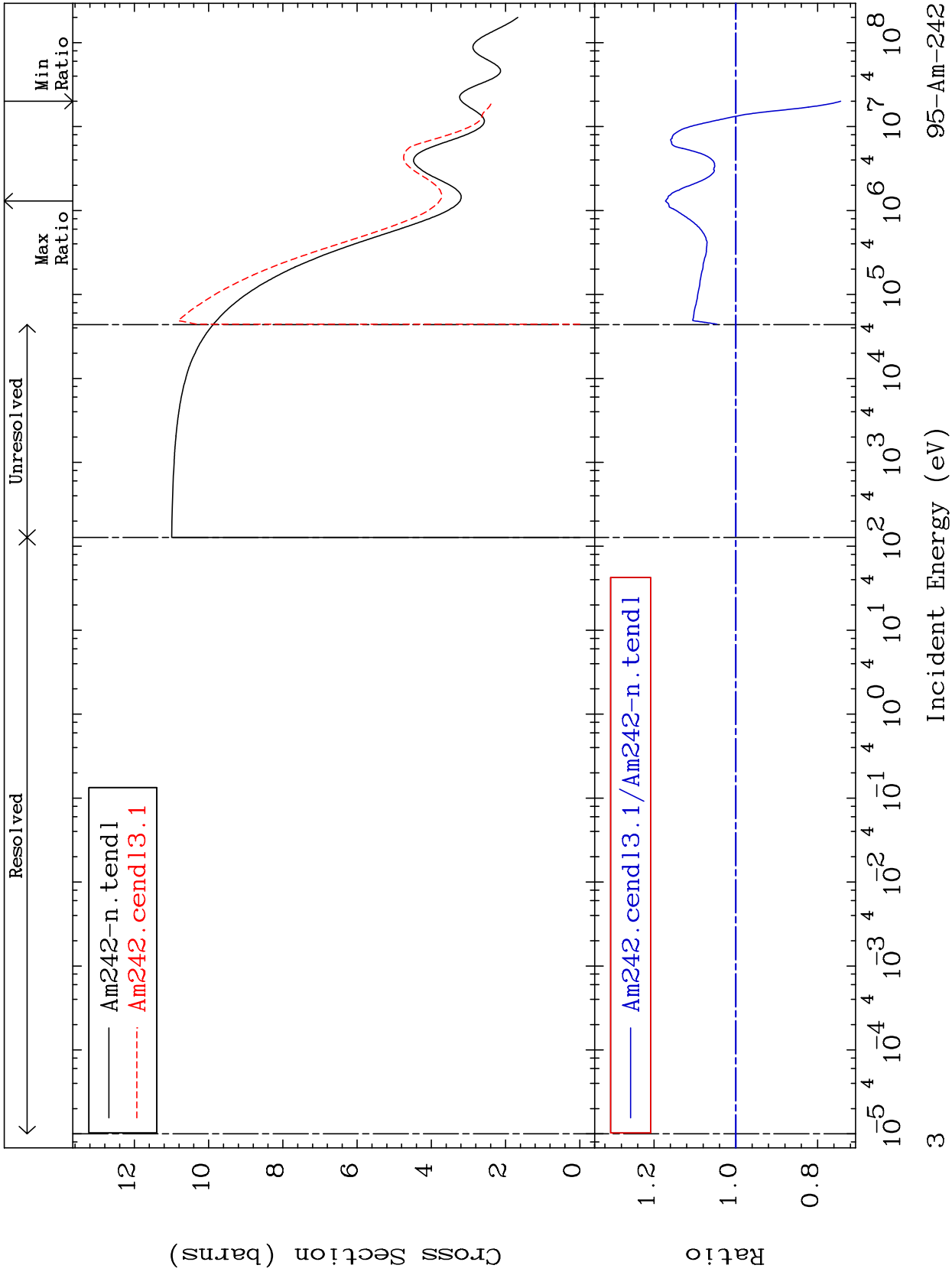


MAT 9546

Elastic
Cross Section

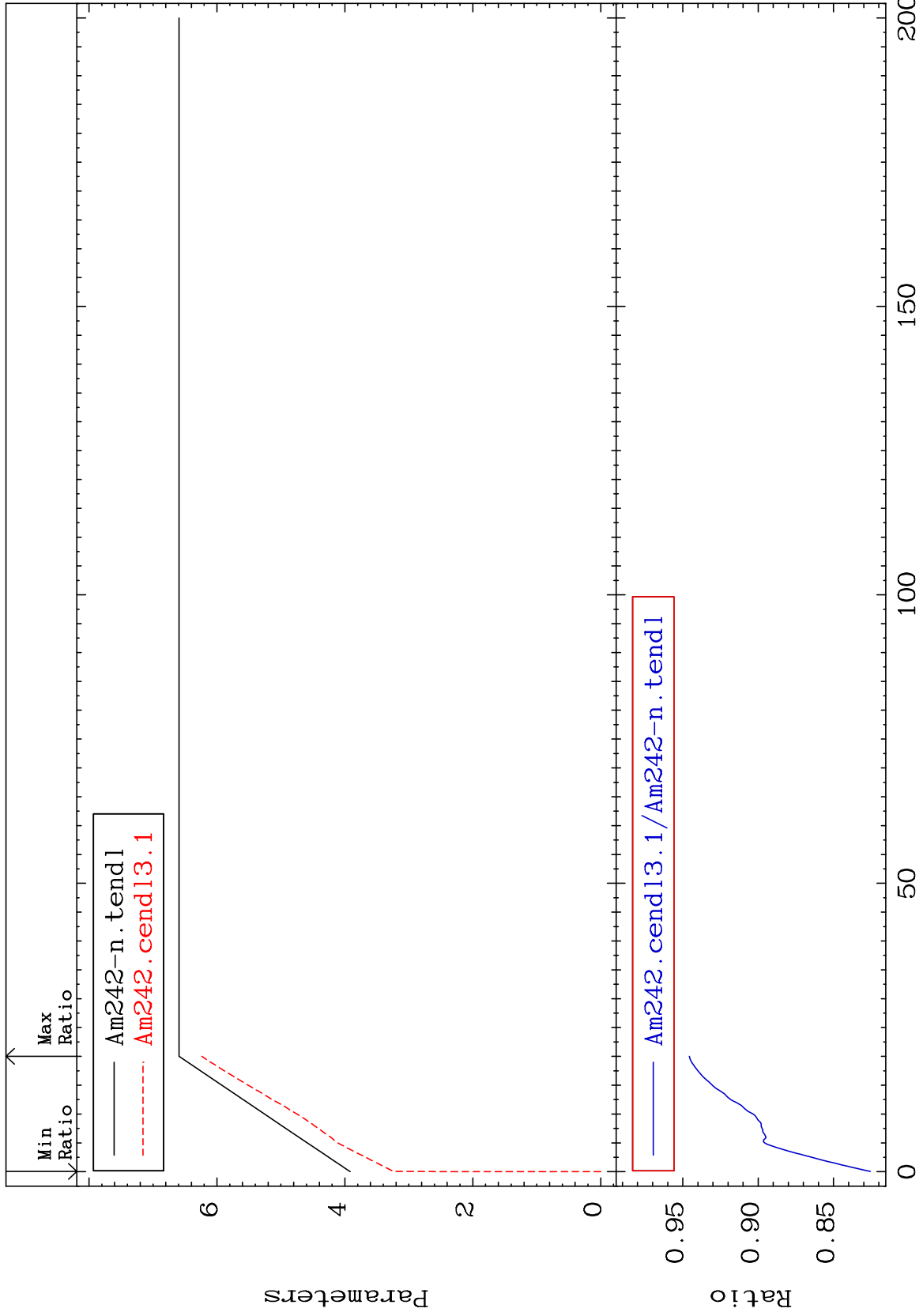
95-Am-242
-25.63 To 17.20 %



MAT 9546

Total $\bar{\nu}$
Parameters

95-Am-242
-17.44 To -5.435%



95-Am-242

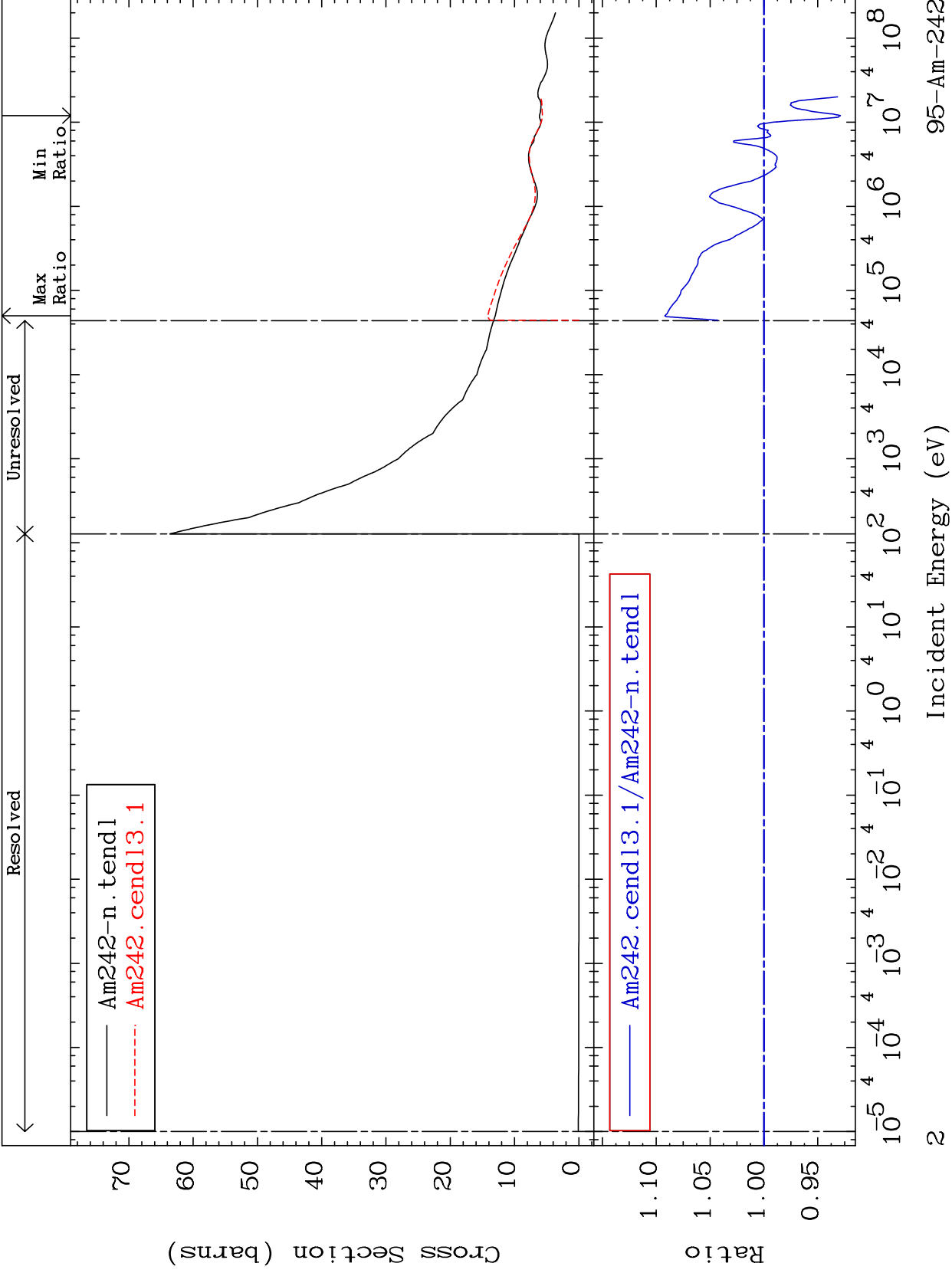
Incident Energy (MeV)

1

MAT 9546

Total
Cross Section

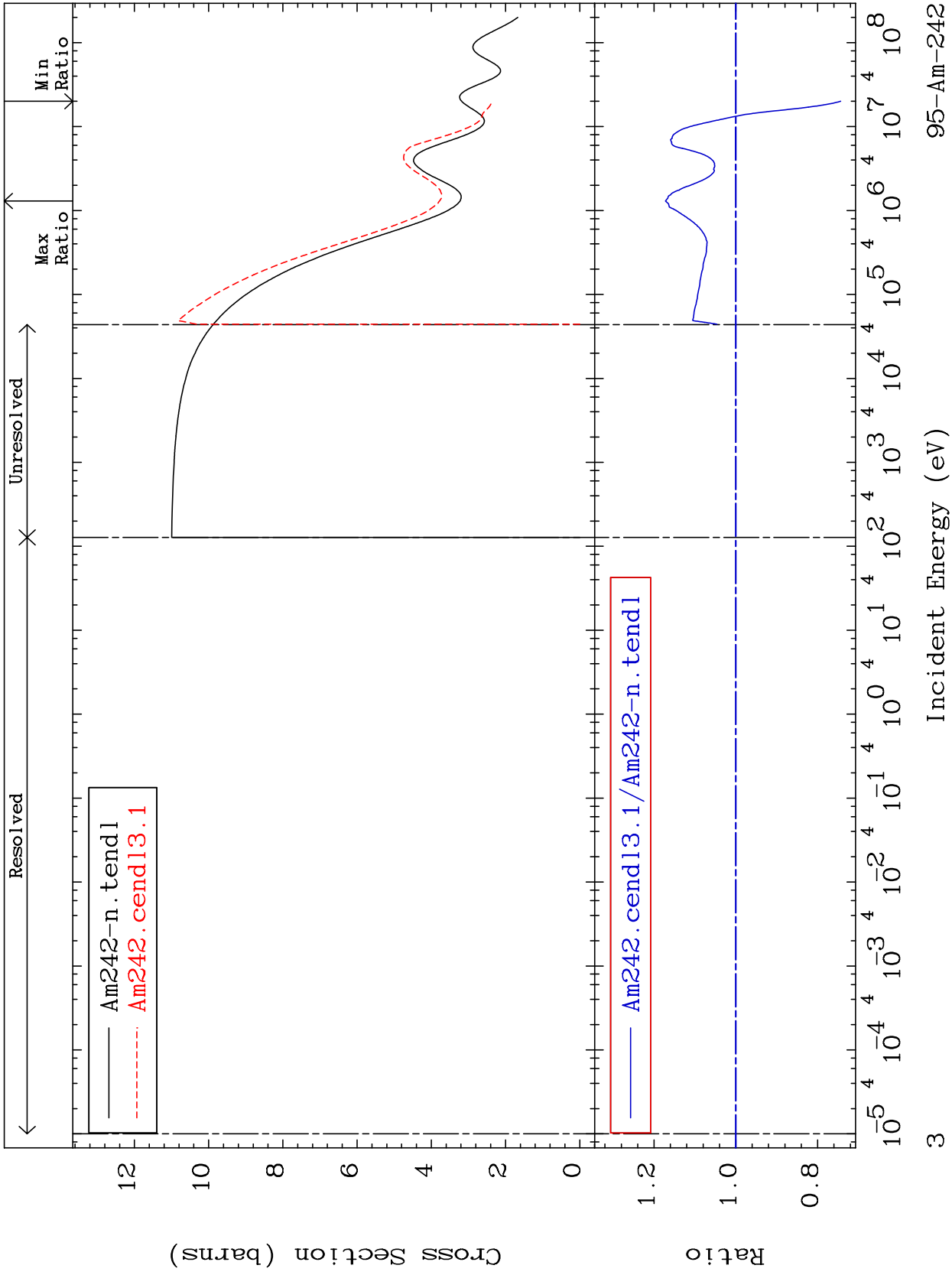
95-Am-242
-7.100 To 9.202 %



MAT 9546

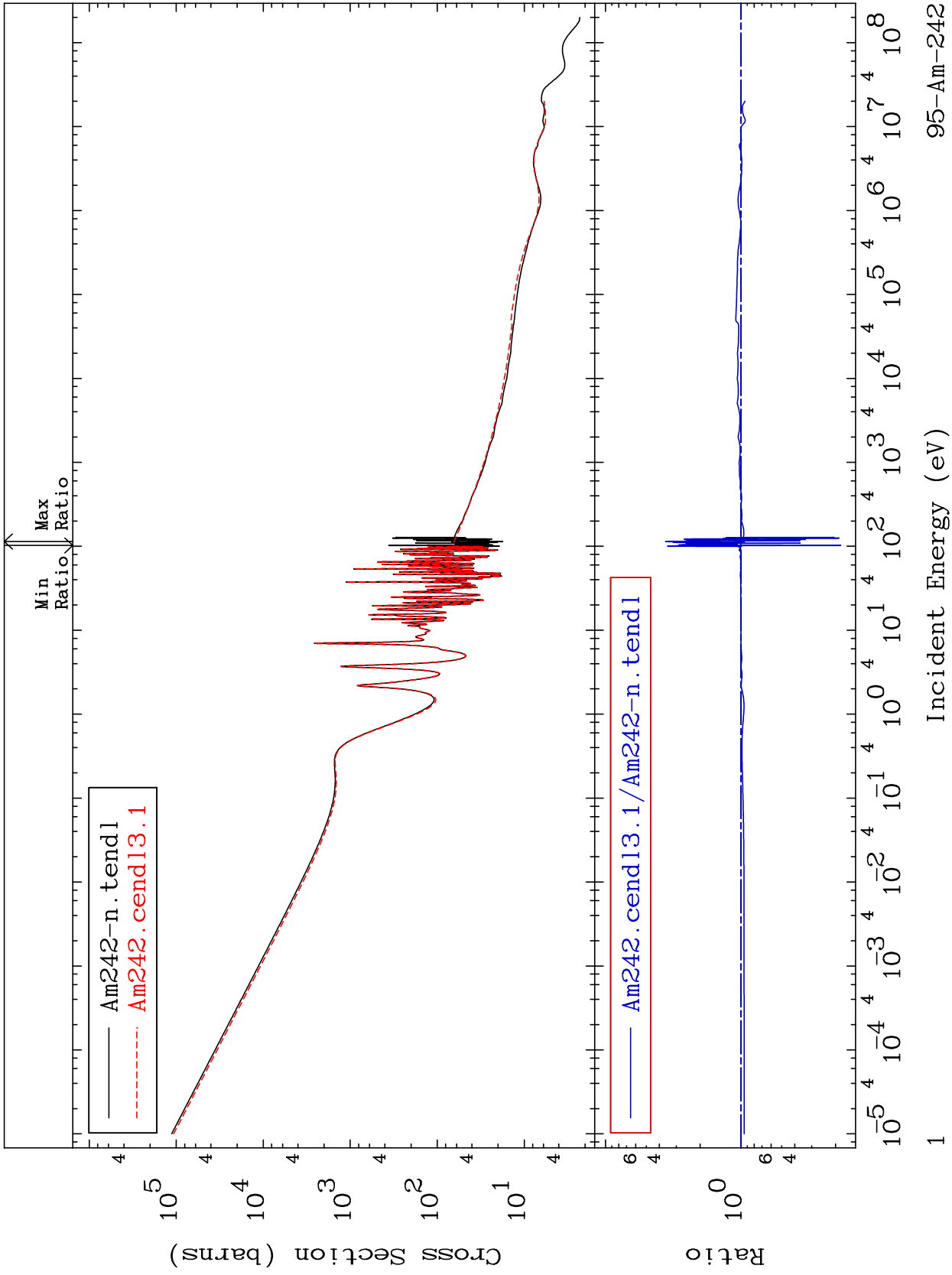
Elastic
Cross Section

95-Am-242
-25.63 To 17.20 %



MAT 9546

Total Cross Section
95-Am-242
-81.64 To 260.8 %

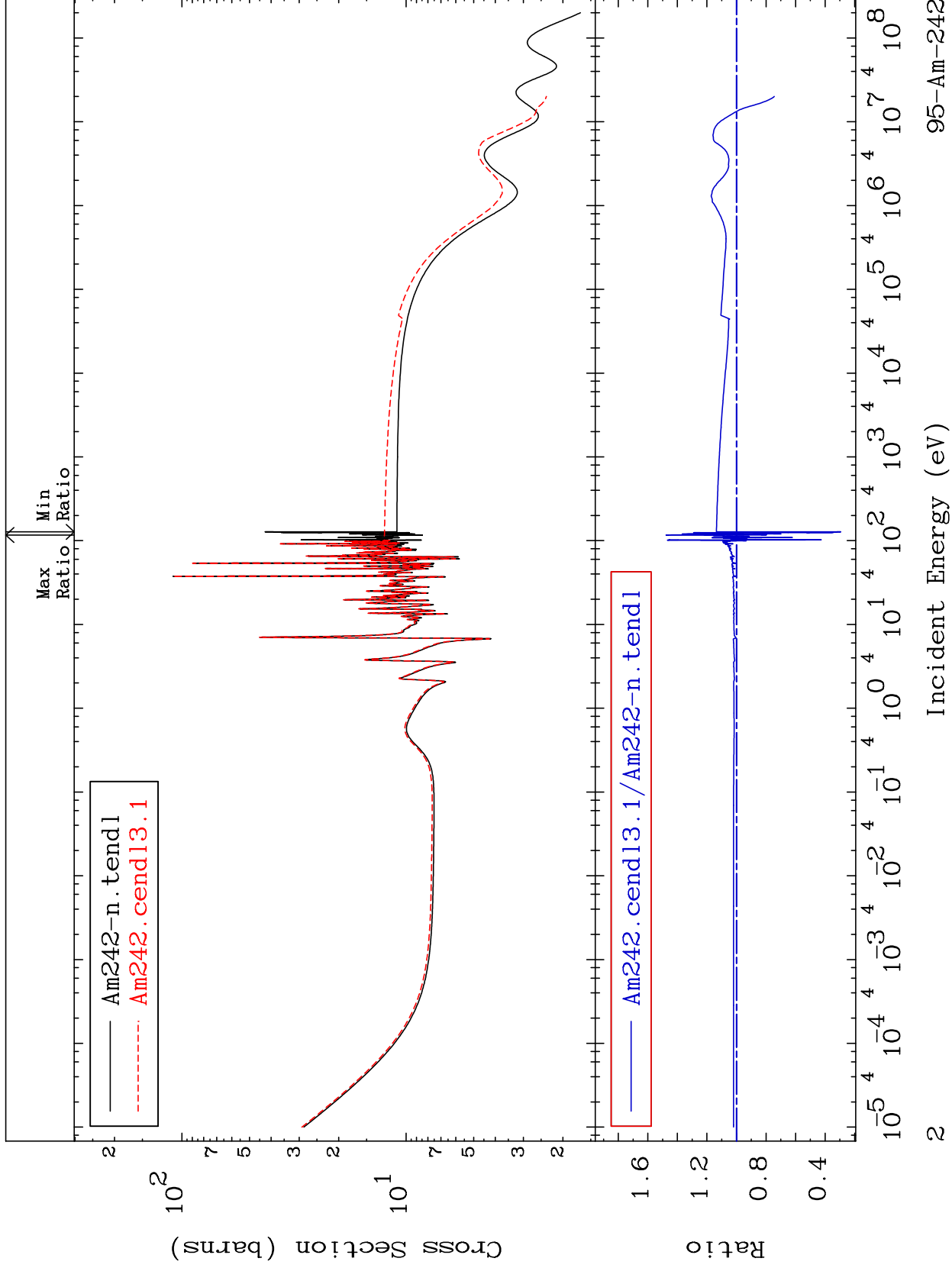


95-Am-242

MAT 9546

Elastic
Cross Section

95-Am-242
-70.65 To 47.74 %

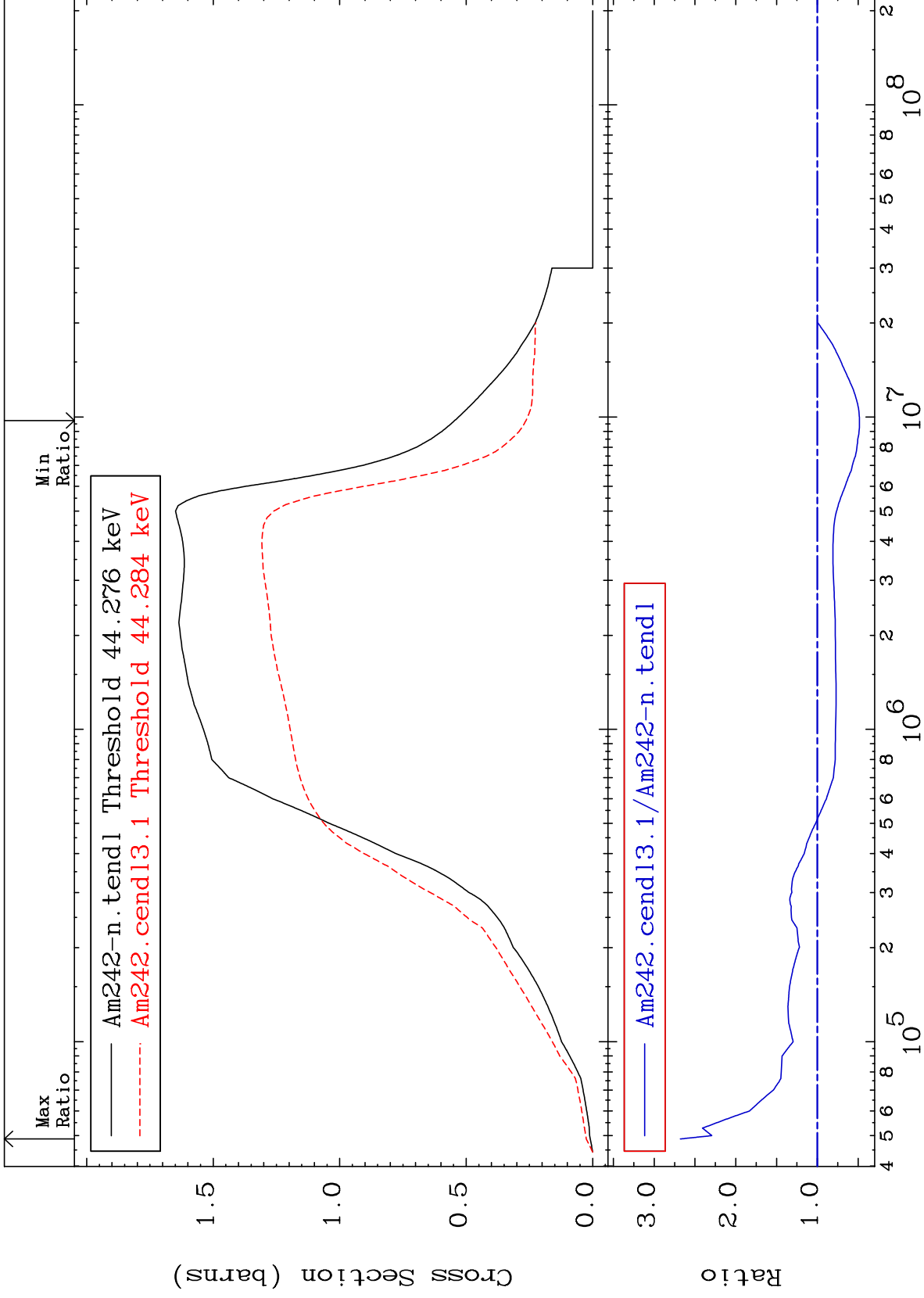


95-Am-242

MAT 9546

Inelastic
Cross Section

95-Am-242
-51.61 To 167.9 %



3

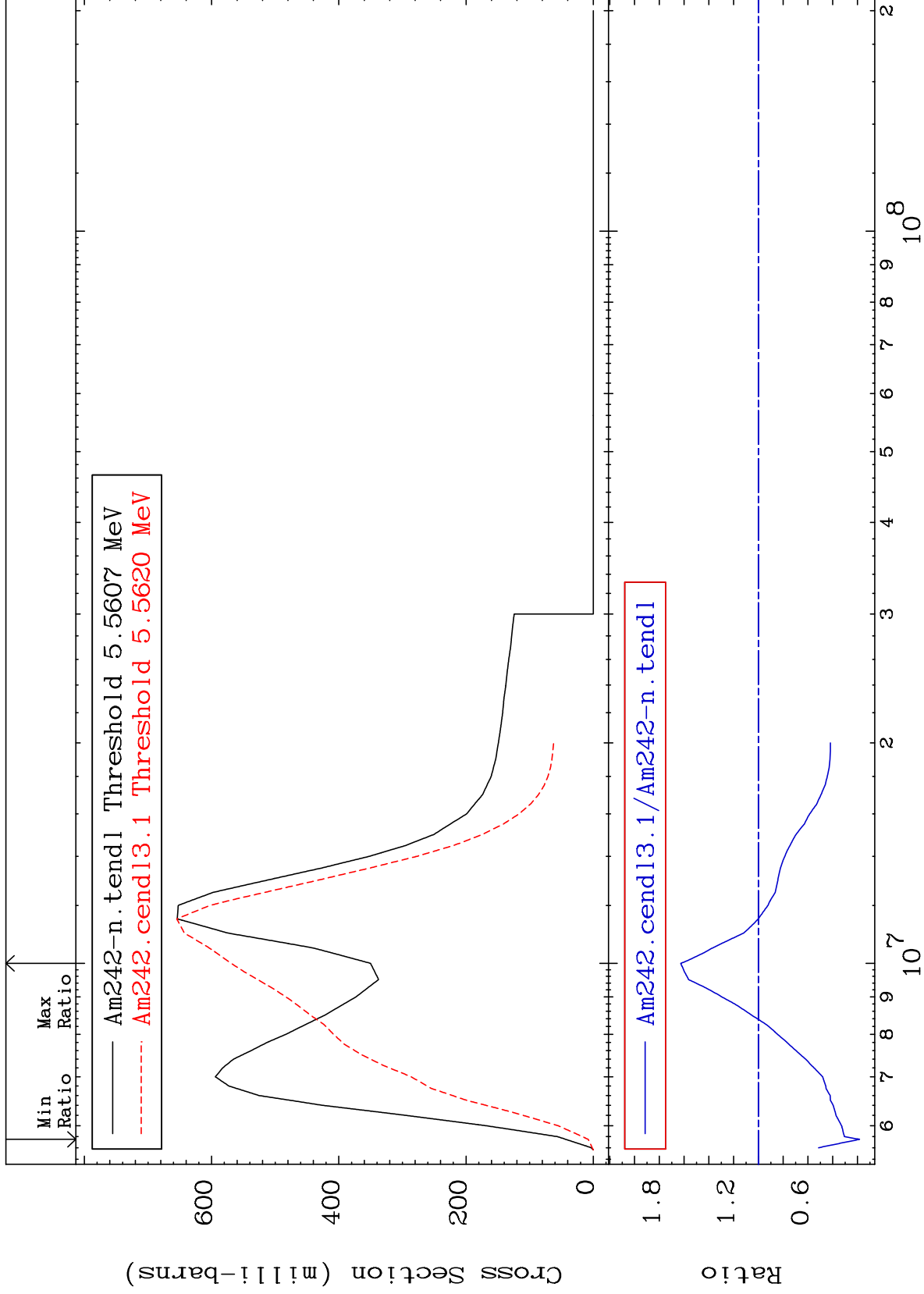
Incident Energy (eV)

95-Am-242

MAT 9546

(n,2n)
Cross Section

95-Am-242
-81.66 To 62.68 %



4

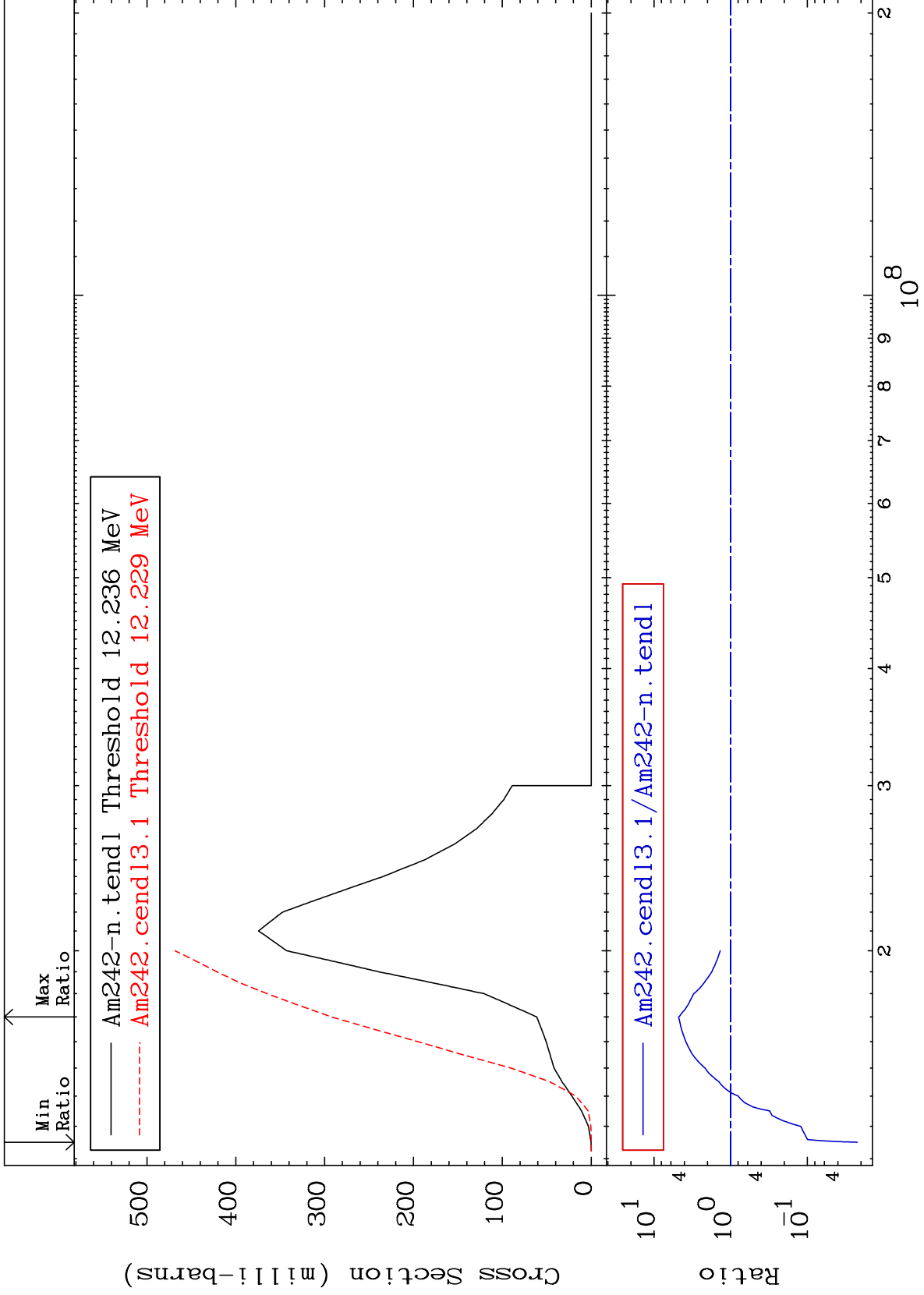
Incident Energy (eV)

95-Am-242

MAT 9546

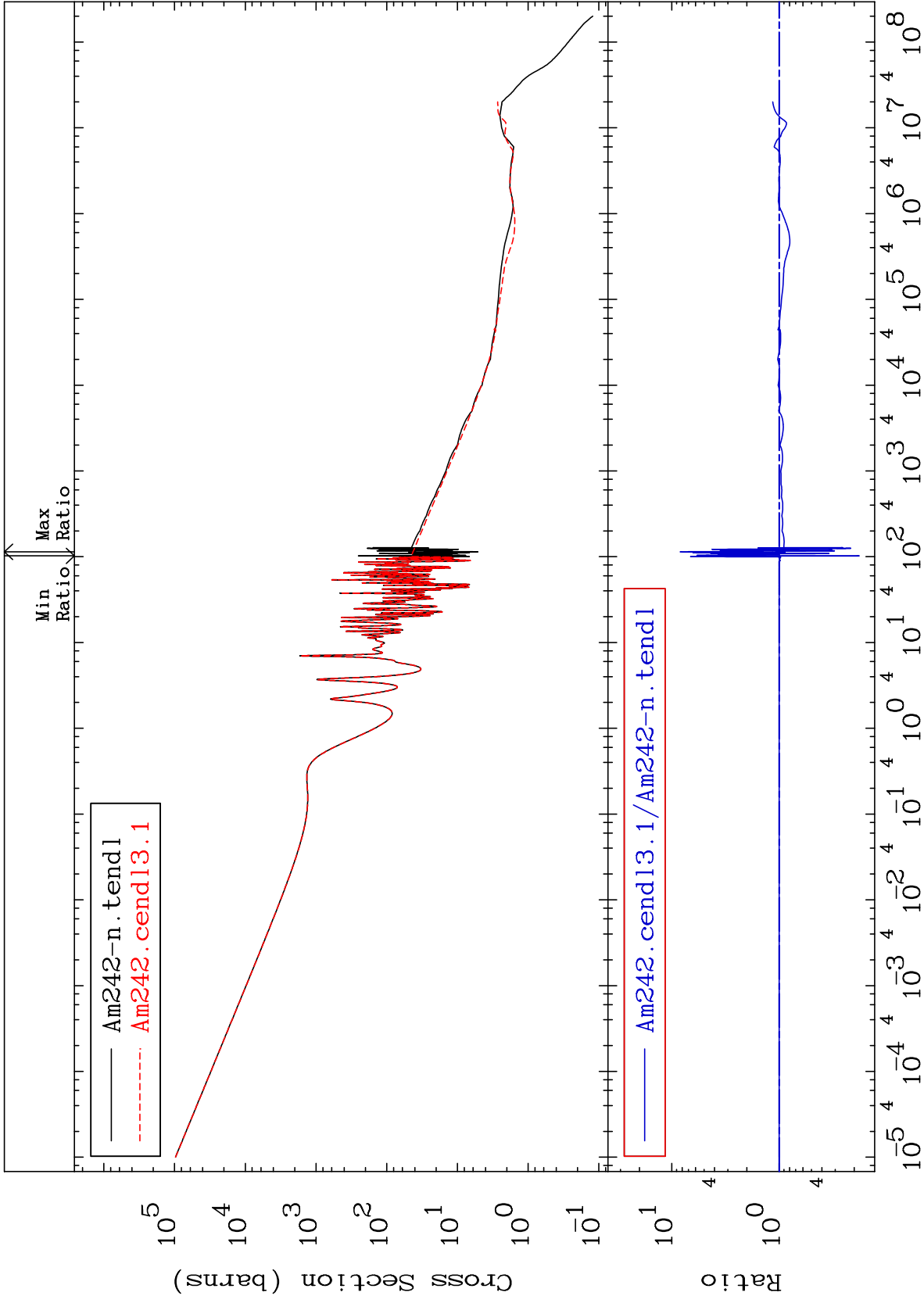
(n, 3n)
Cross Section

95-Am-242
-97.77 To 376.9 %



MAT 9546

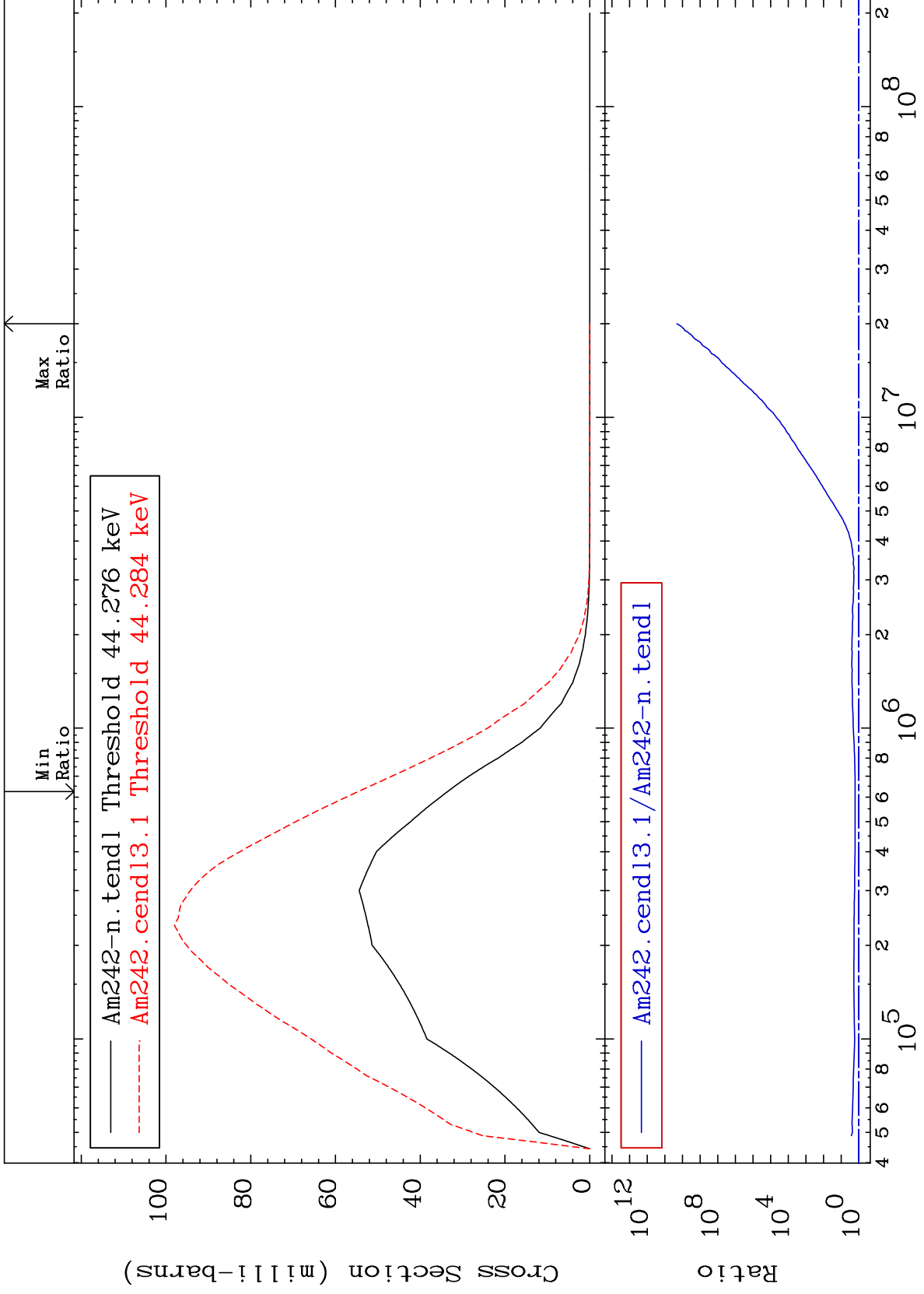
Fission Cross Section 95-Am-242
-82.15 To 731.0 %



MAT 9546

44.09 keV (n,n') Level
Cross Section

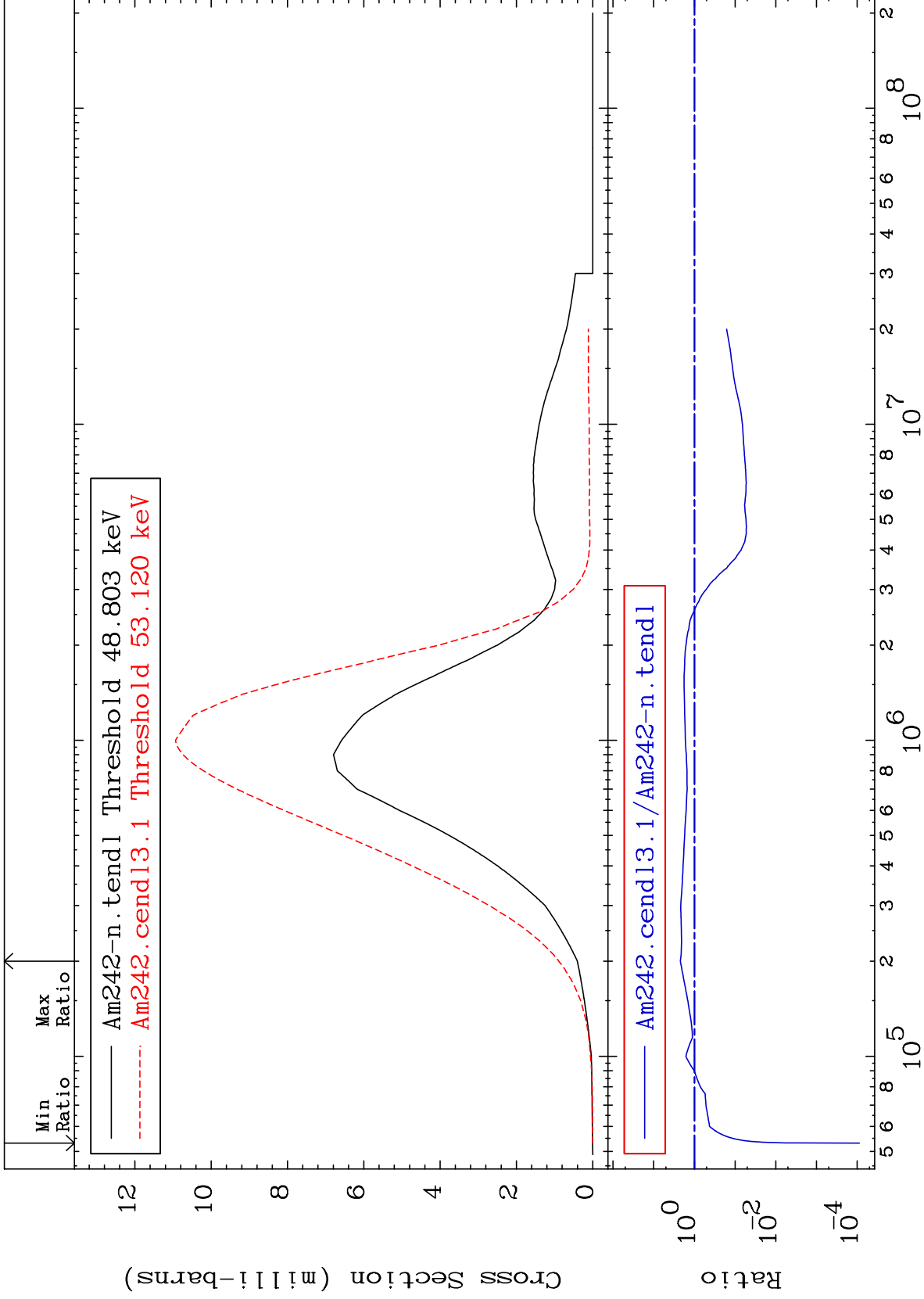
95-Am-242
62.74 To 9999. %



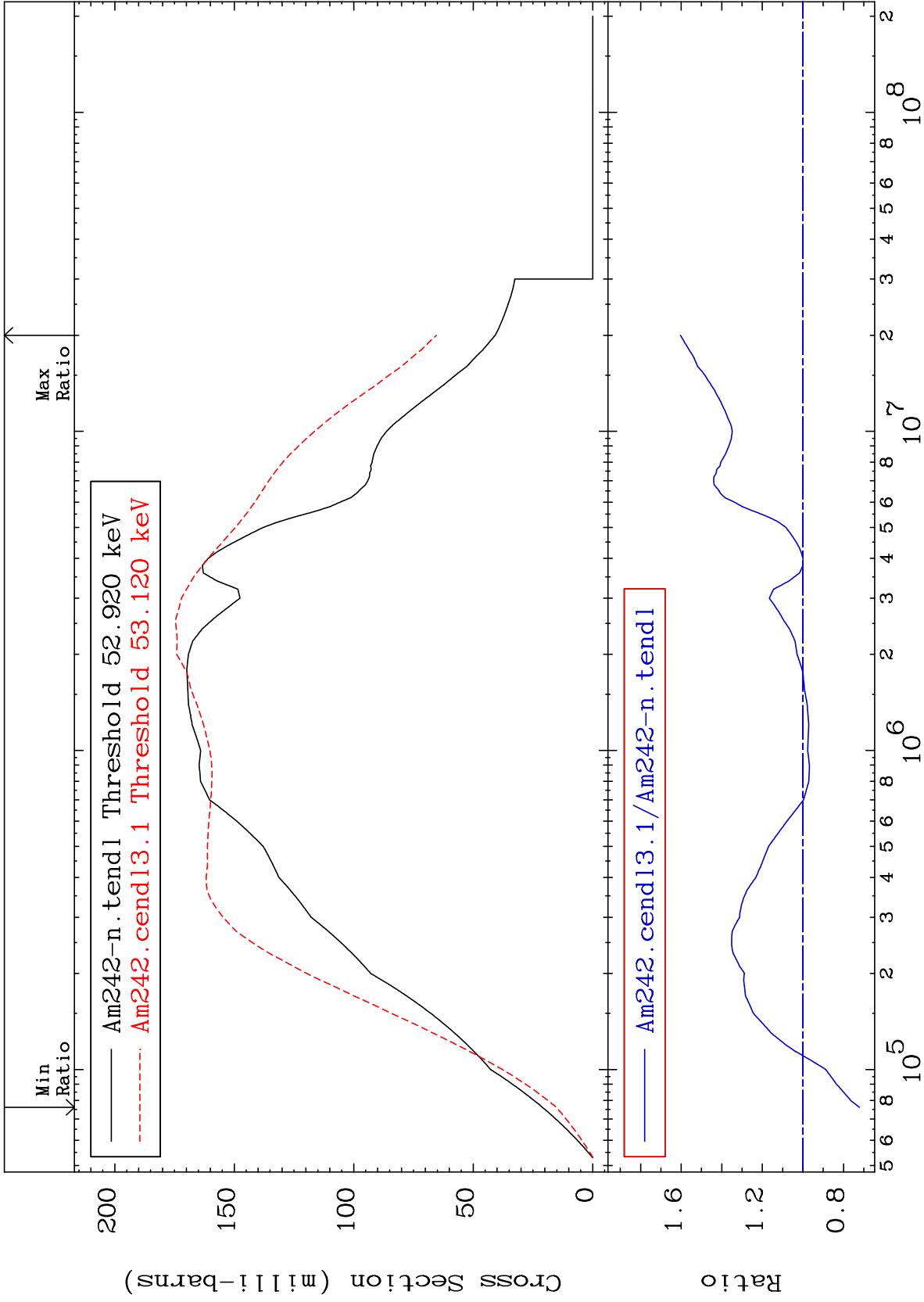
MAT 9546

48.60 keV (n,n') Level
Cross Section

95-Am-242
-99.99 To 121.3 %



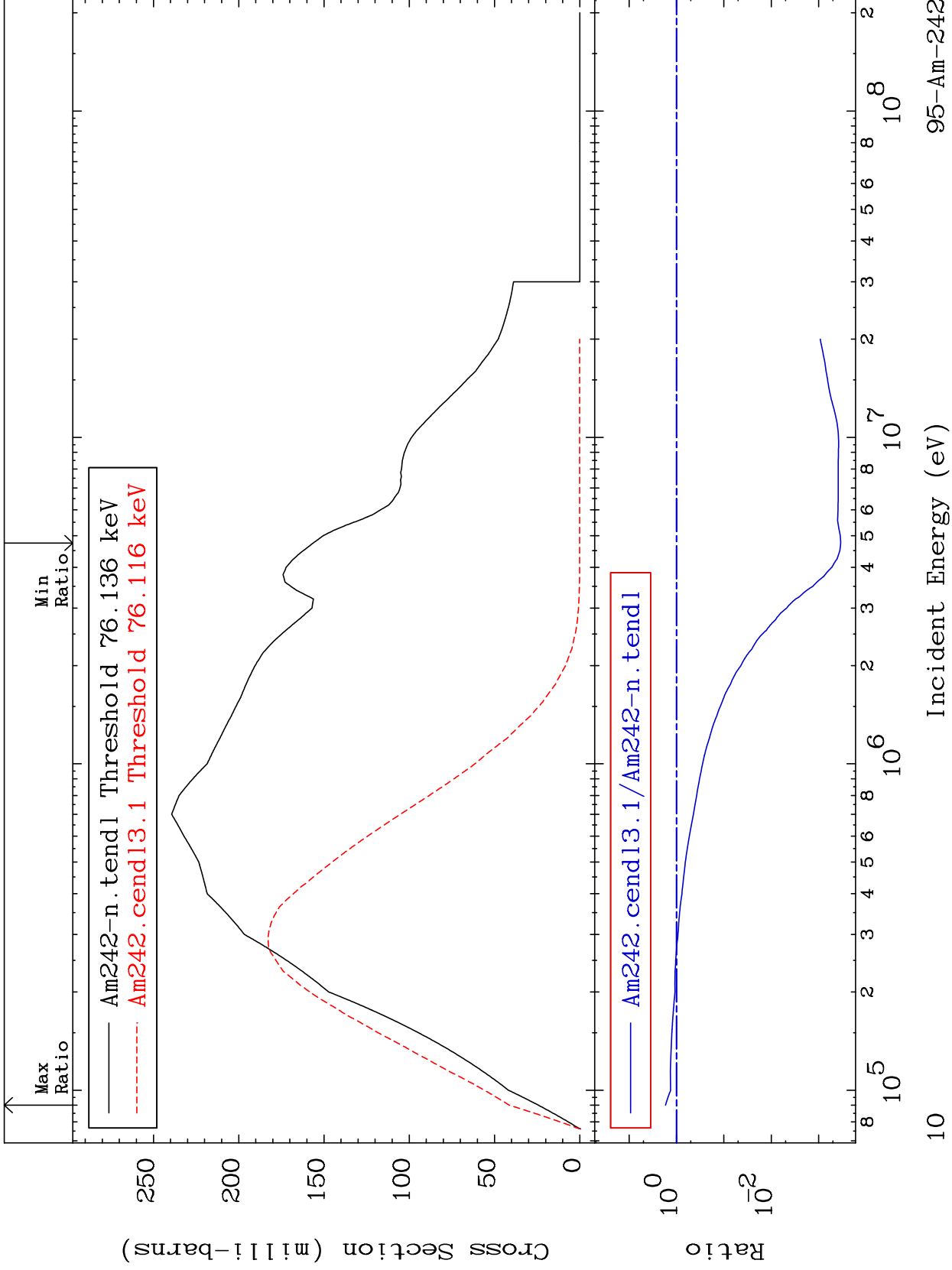
MAT 9546 52.70 keV (n,n') Level 95-Am-242
 Cross Section -27.86 To 60.41 %



MAT 9546

75.82 keV (n,n') Level
Cross Section

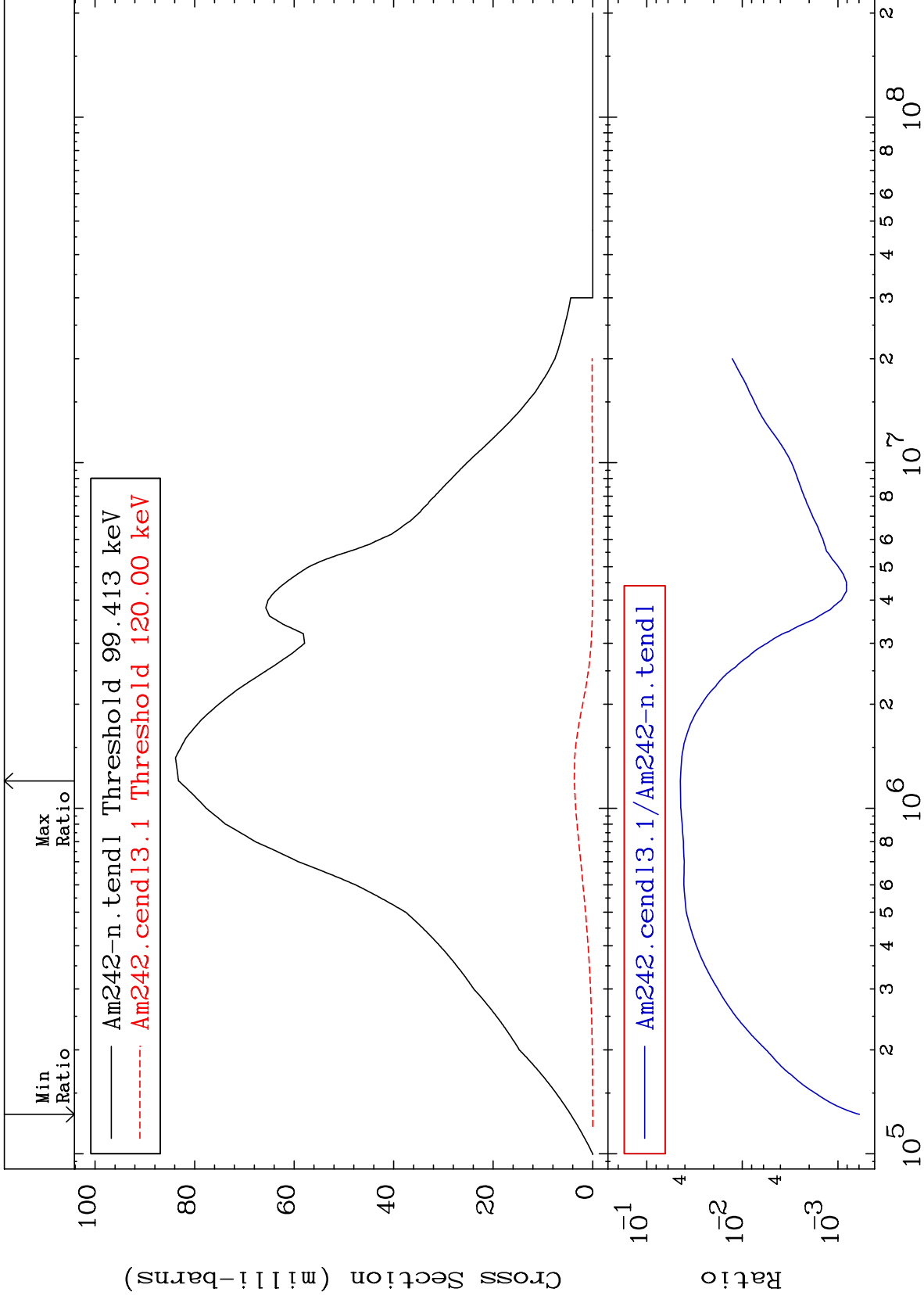
95-Am-242
-99.97 To 70.33 %



MAT 9546

99.00 keV (n,n') Level
Cross Section

95-Am-242
-99.94 To -95.54%



11

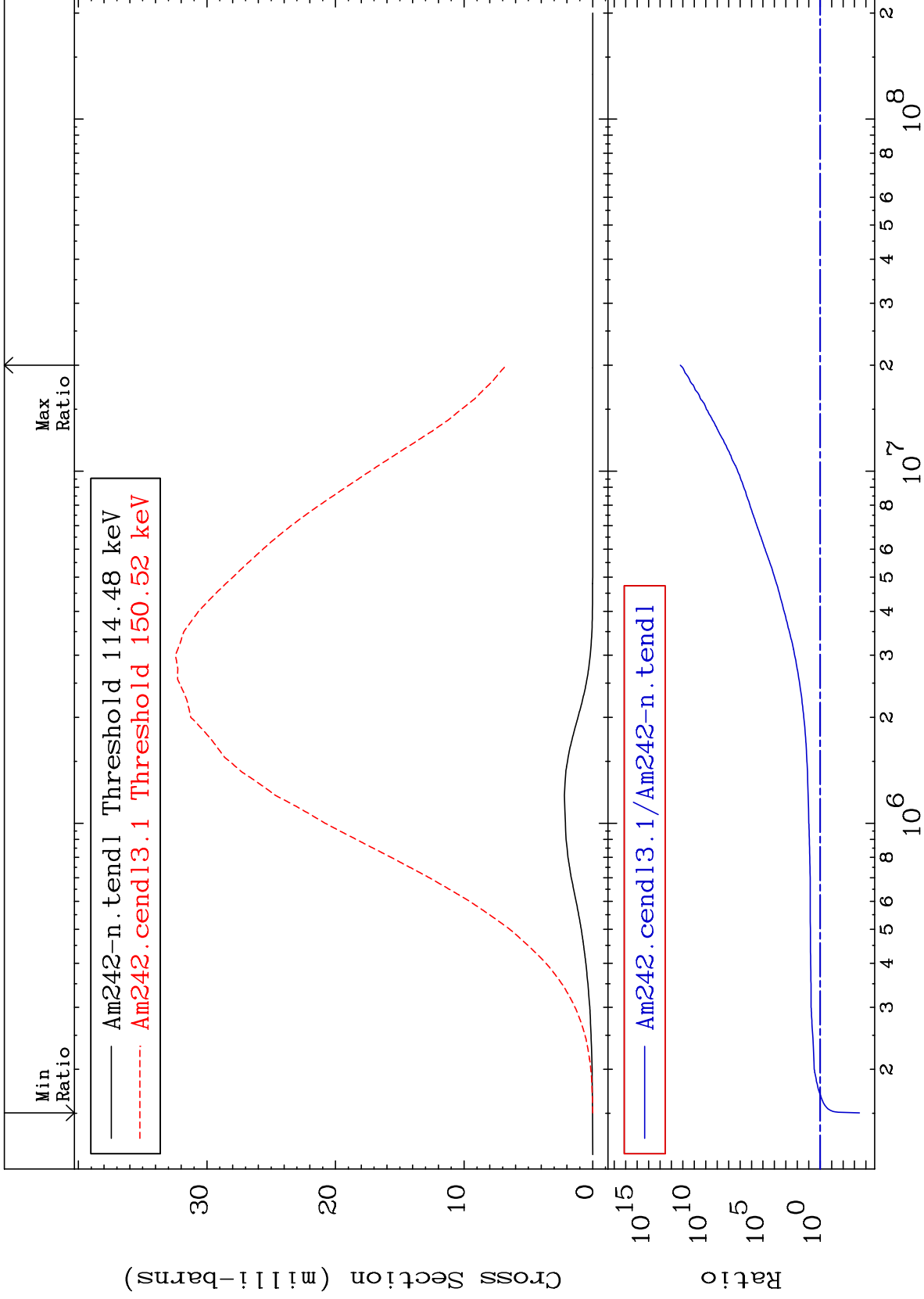
Incident Energy (eV)

95-Am-242

MAT 9546

114.0 keV (n,n') Level
Cross Section

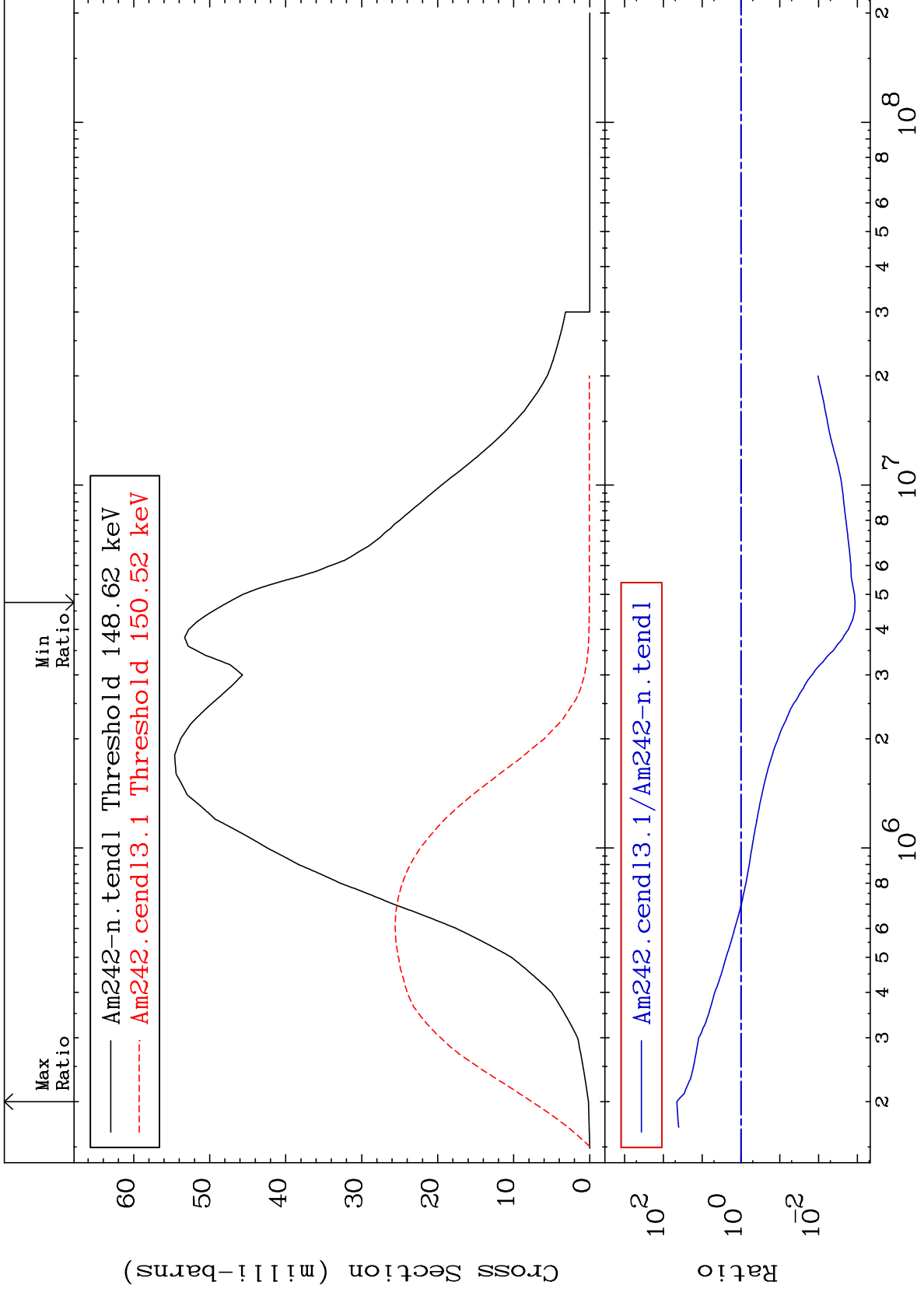
95-Am-242
-99.96 To 9999. %



MAT 9546

148.0 keV (n,n') Level
Cross Section

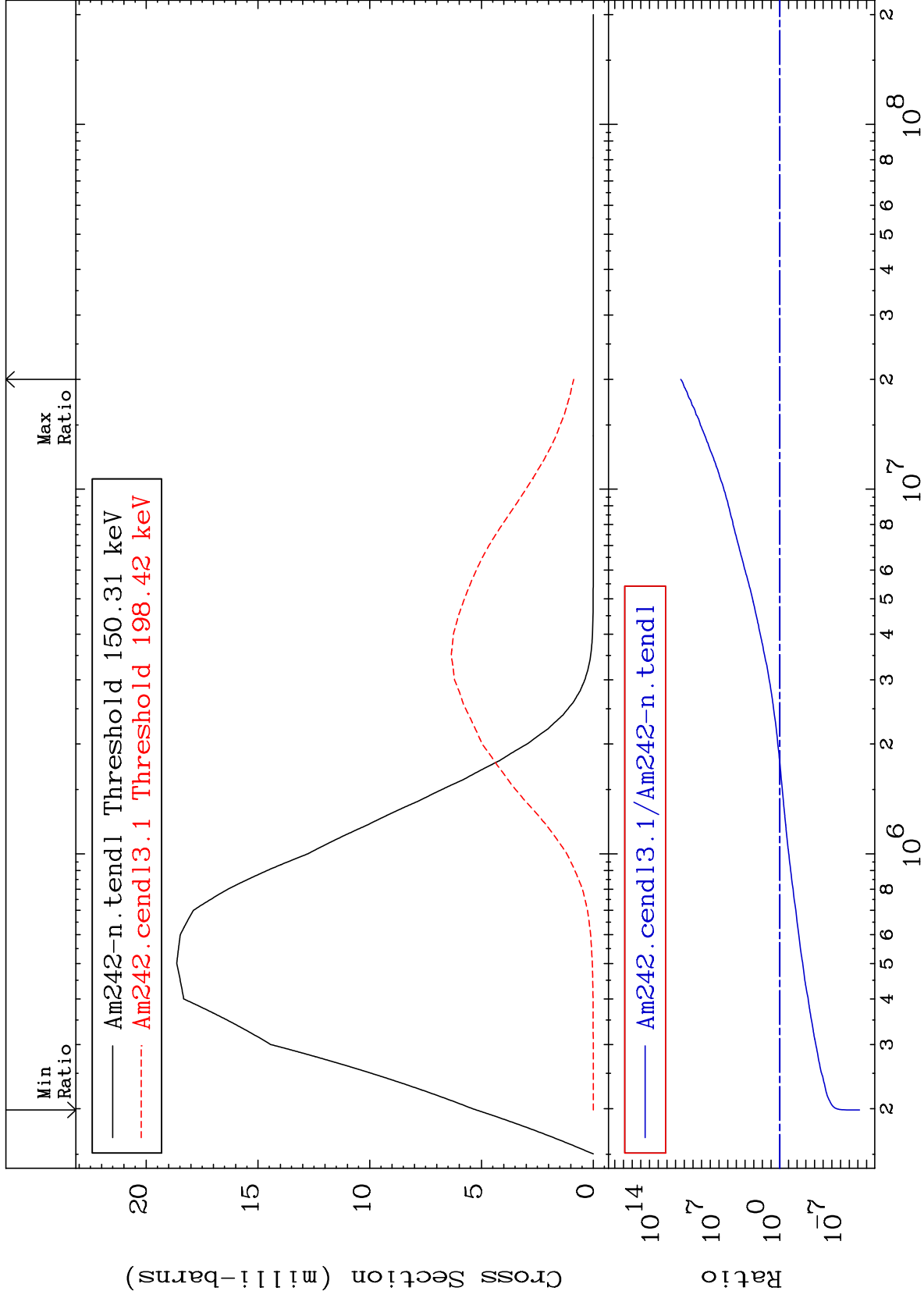
95-Am-242
-99.89 To 4405. %



MAT 9546

149.7 keV (n,n') Level
Cross Section

95-Am-242
-100.0 To 9999. %



14

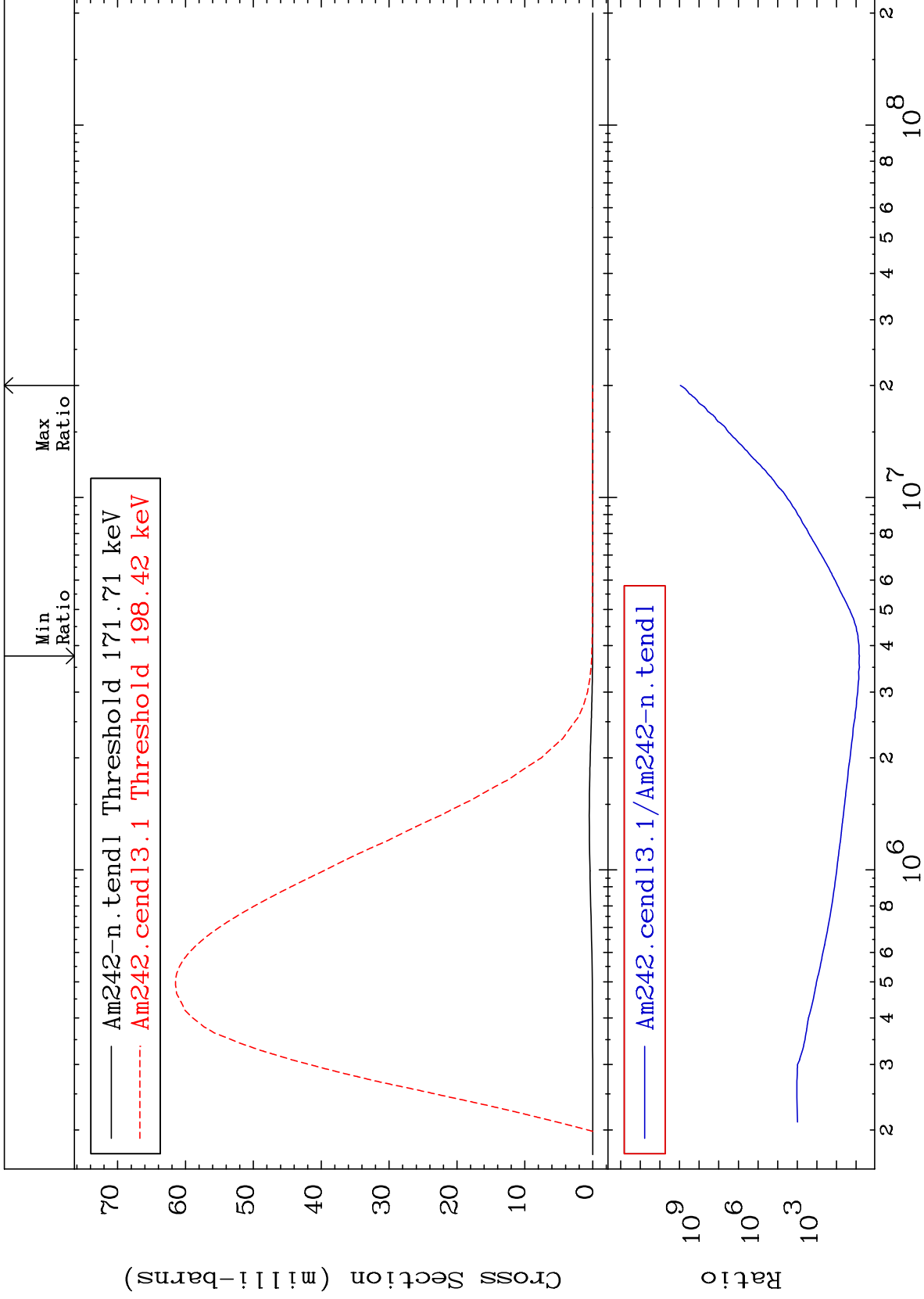
Incident Energy (eV)

95-Am-242

MAT 9546

171.0 keV (n,n') Level
Cross Section

95-Am-242
579.6 To 9999. %



15

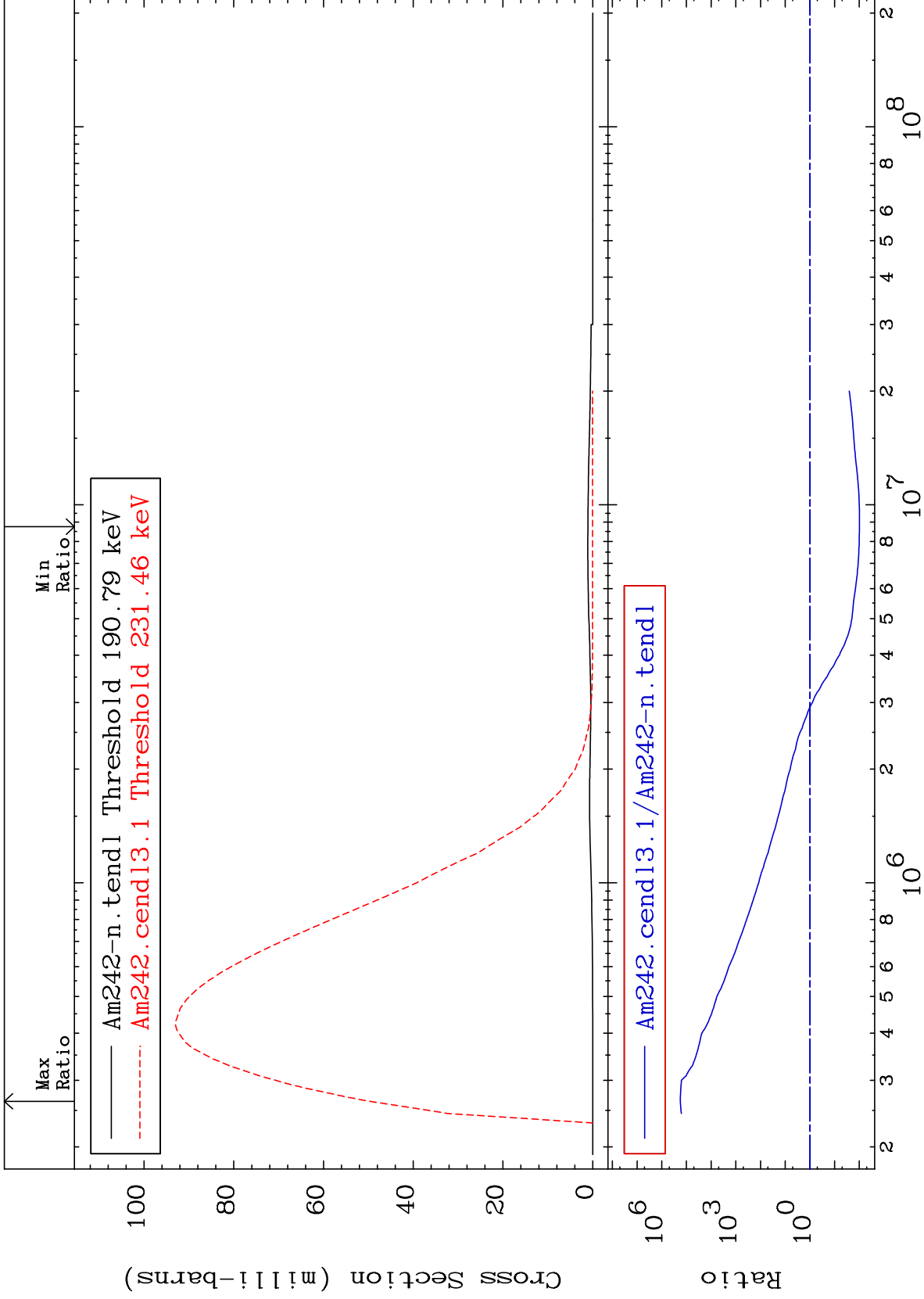
Incident Energy (eV)

95-Am-242

MAT 9546

190.0 keV (n,n') Level
Cross Section

95-Am-242
-99.01 To 9999. %



16

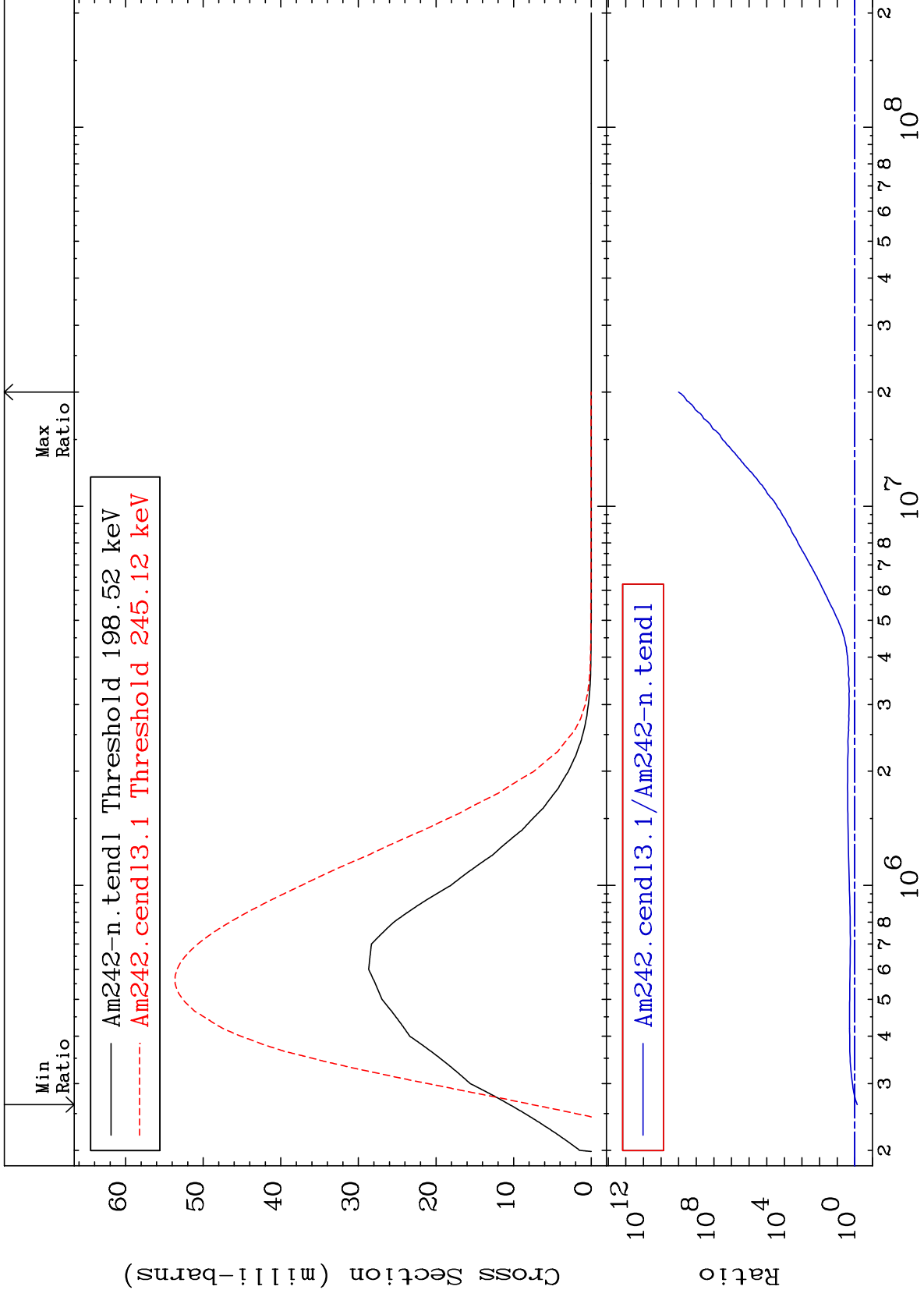
Incident Energy (eV)

95-Am-242

MAT 9546

197.7 keV (n,n') Level
Cross Section

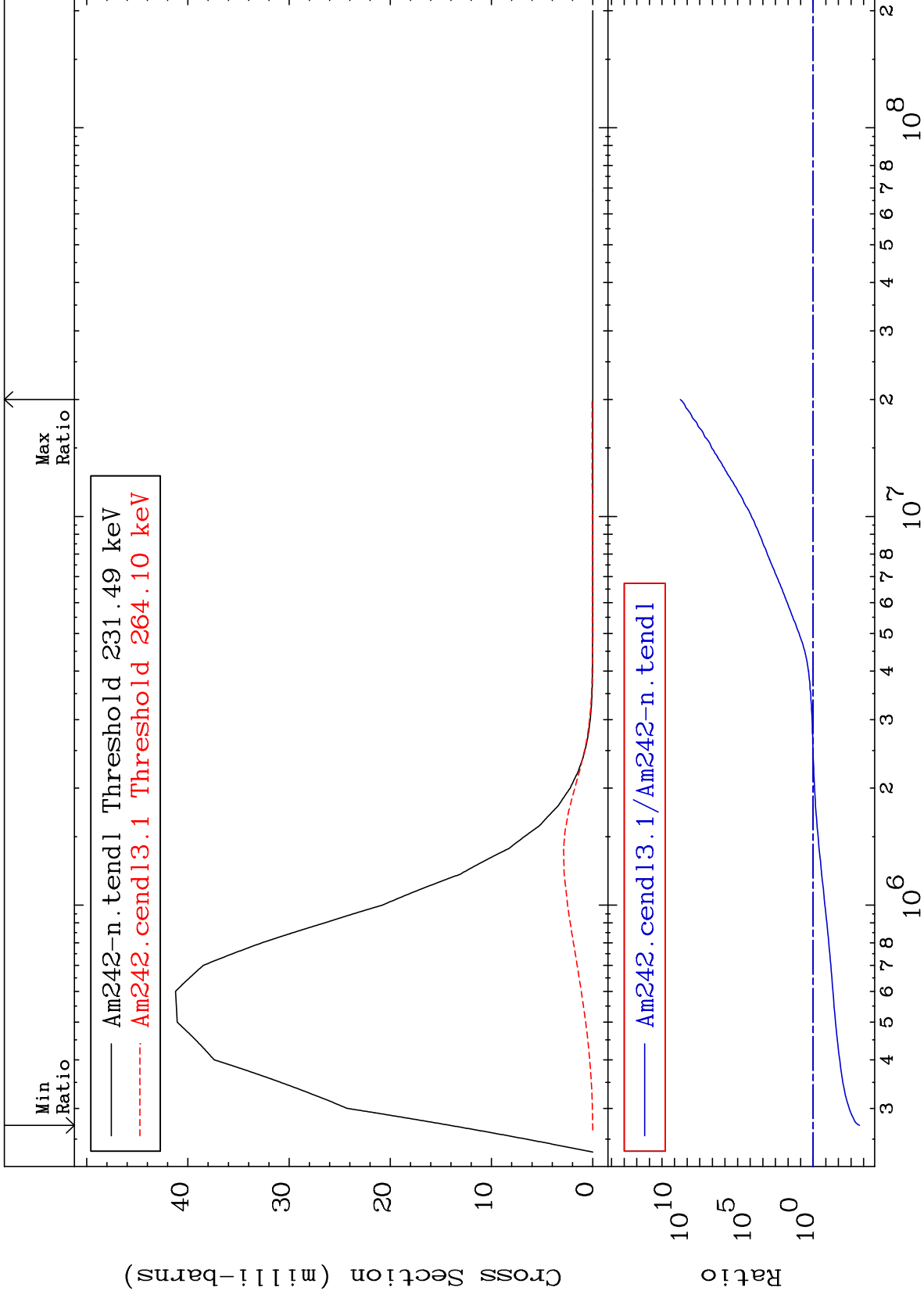
95-Am-242
-27.52 To 9999. %



MAT 9546

230.5 keV (n,n') Level
Cross Section

95-Am-242
-99.98 To 9999. %



18

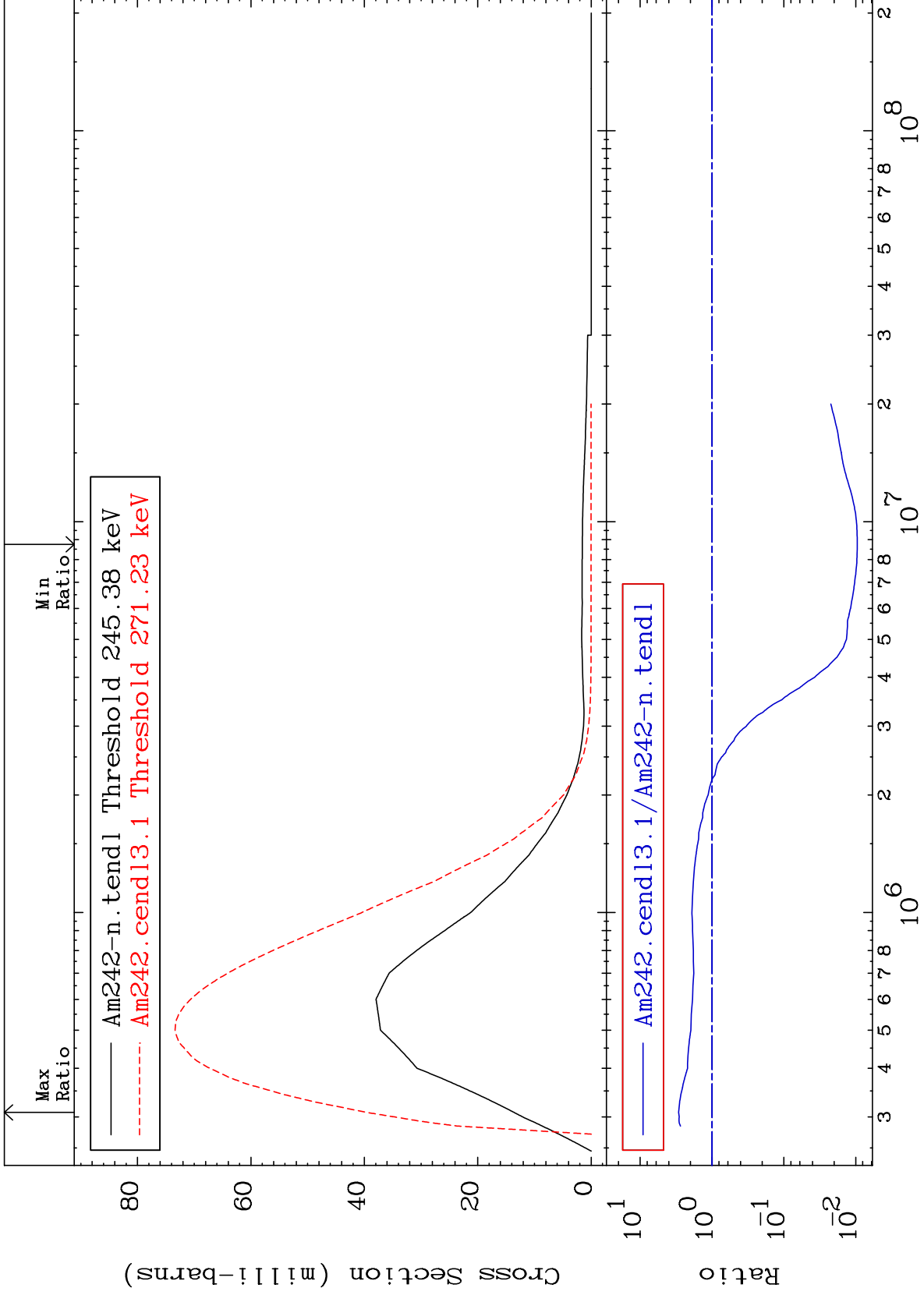
Incident Energy (eV)

95-Am-242

MAT 9546

244.4 keV (n,n') Level
Cross Section

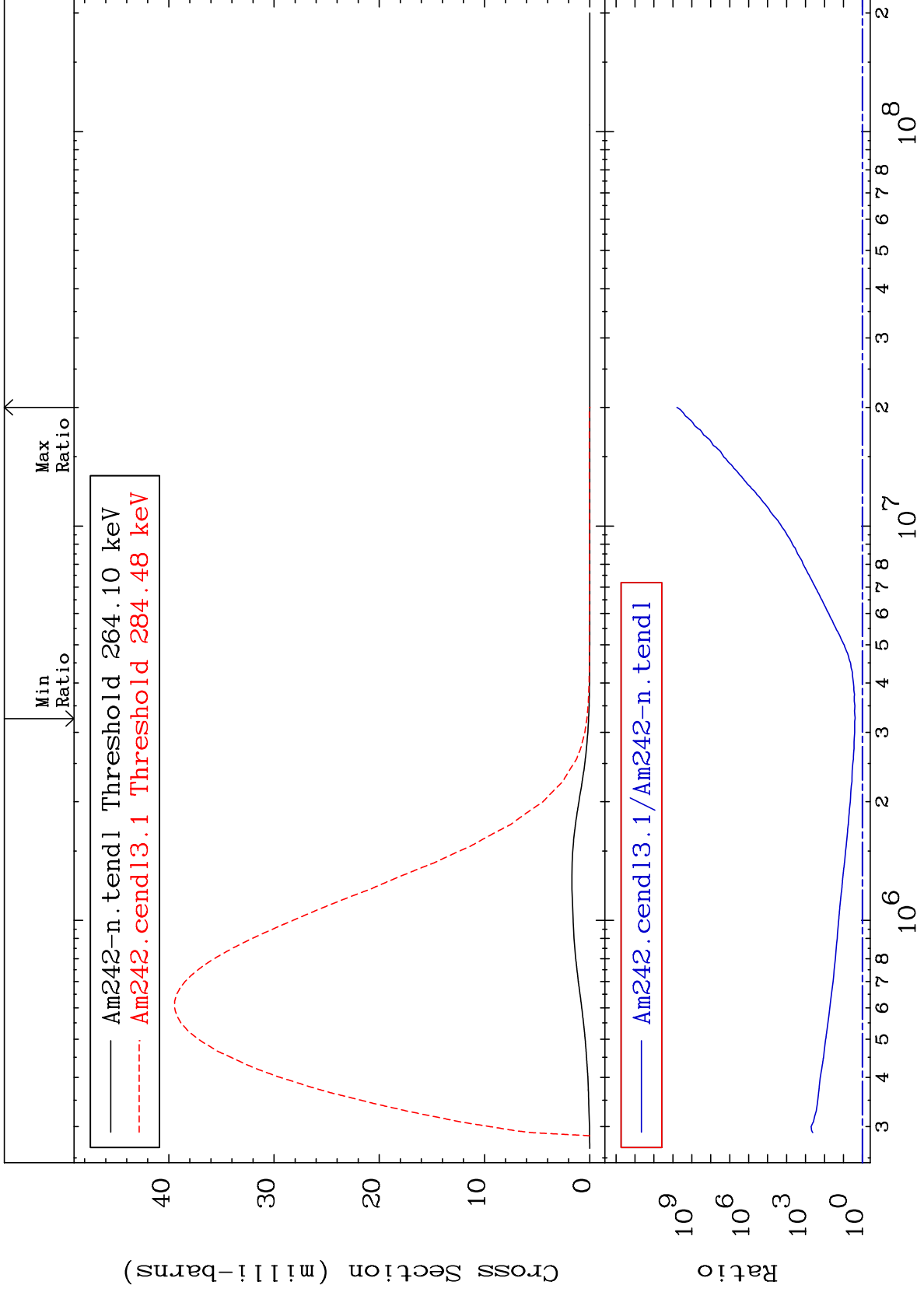
95-Am-242
-99.05 To 191.3 %



MAT 9546

263.0 keV (n,n') Level
Cross Section

95-Am-242
143.1 To 9999.1 %



20

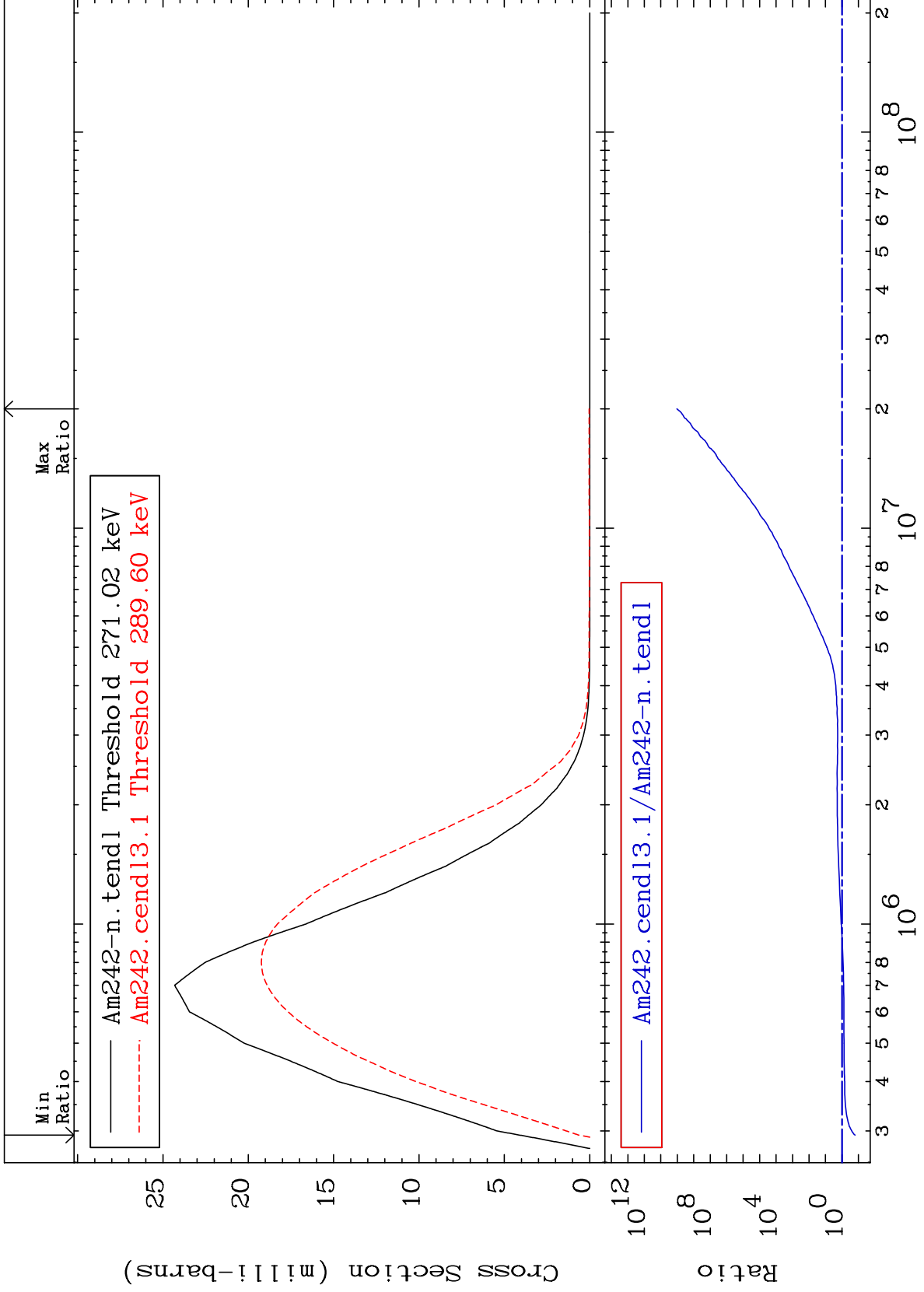
Incident Energy (eV)

95-Am-242

MAT 9546

269.9 keV (n,n') Level
Cross Section

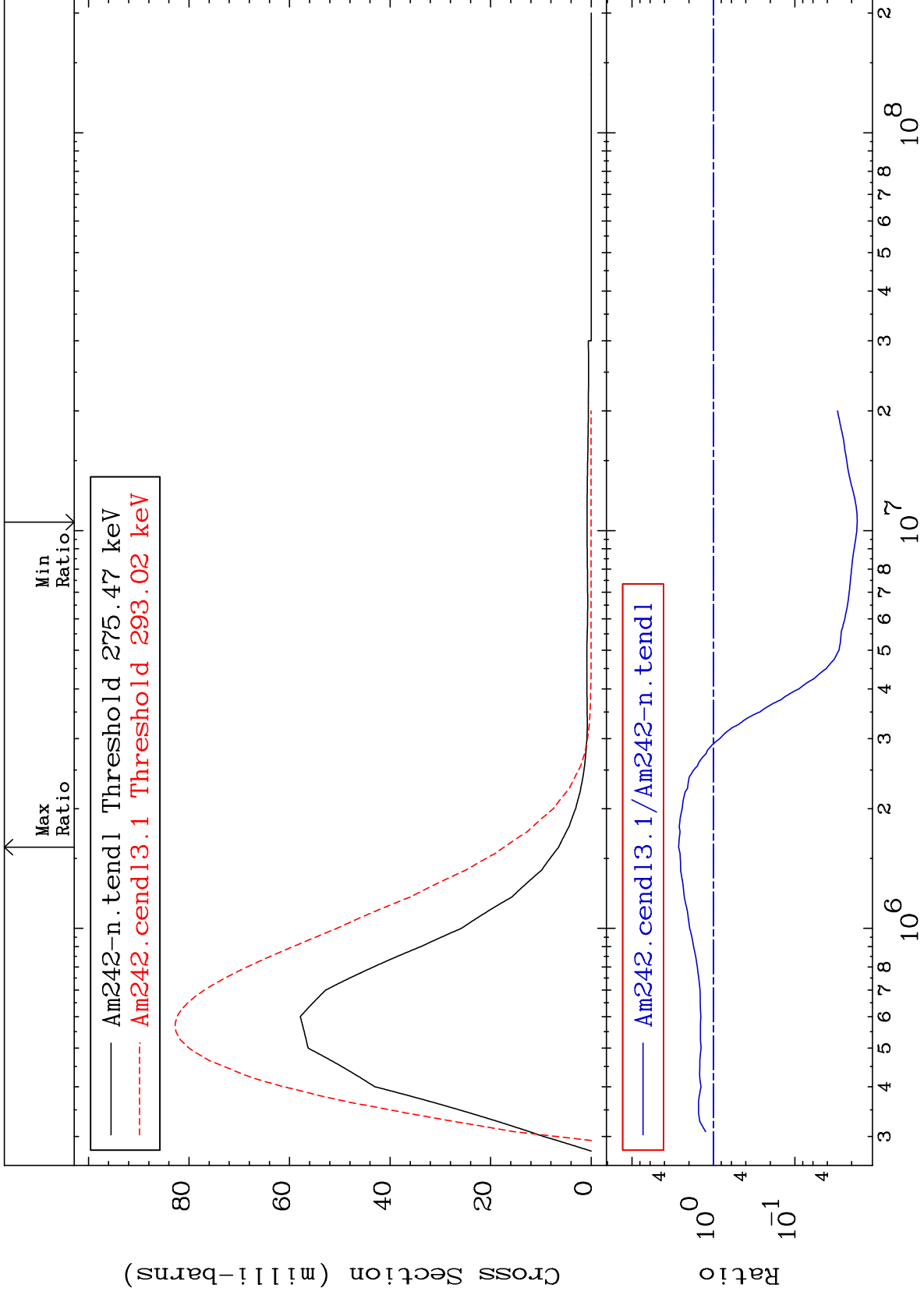
95-Am-242
-84.05 To 9999. %



MAT 9546

274.3 keV (n,n') Level
Cross Section

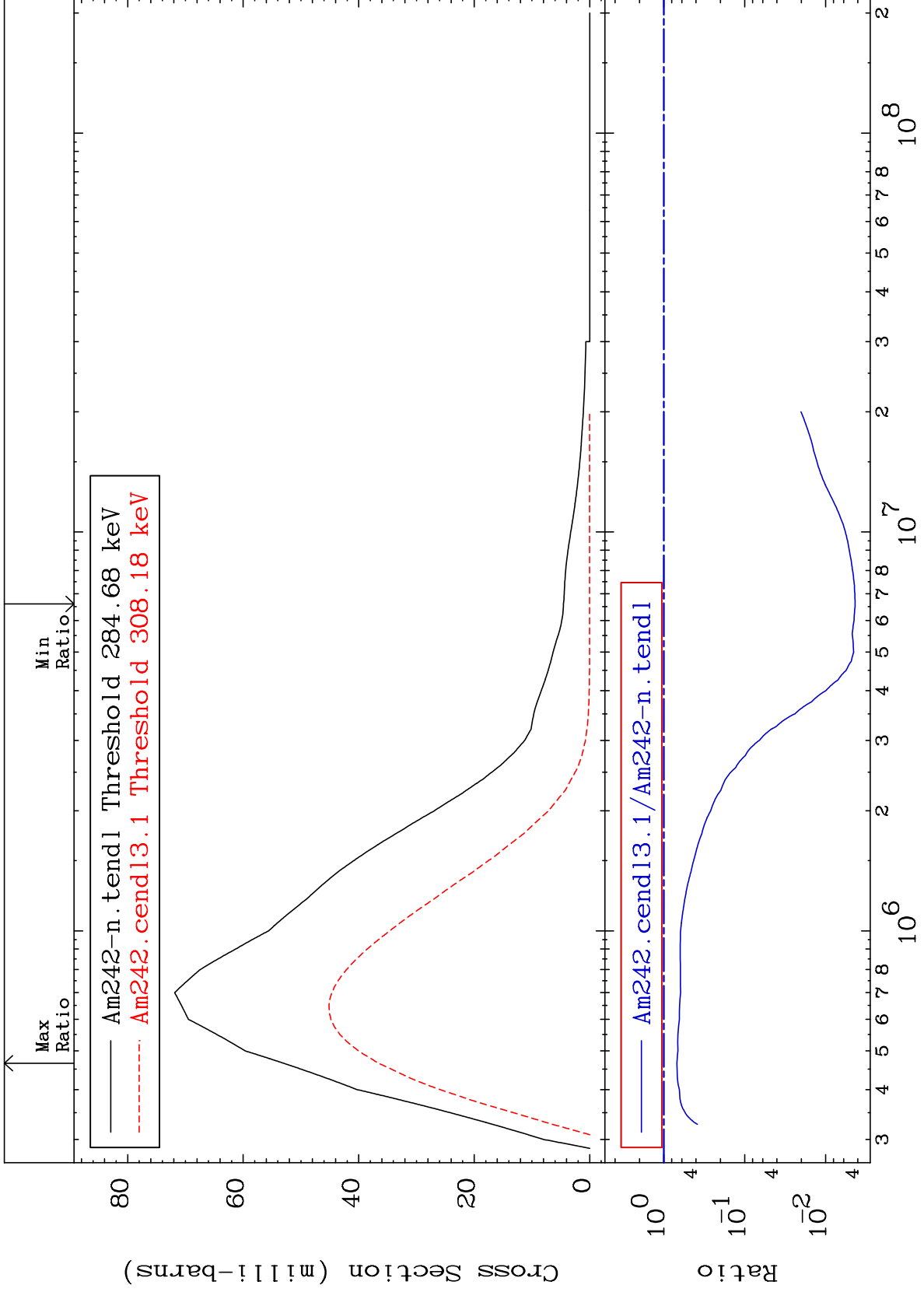
95-Am-242
-98.29 To 167.5 %



MAT 9546

283.5 keV (n,n') Level
Cross Section

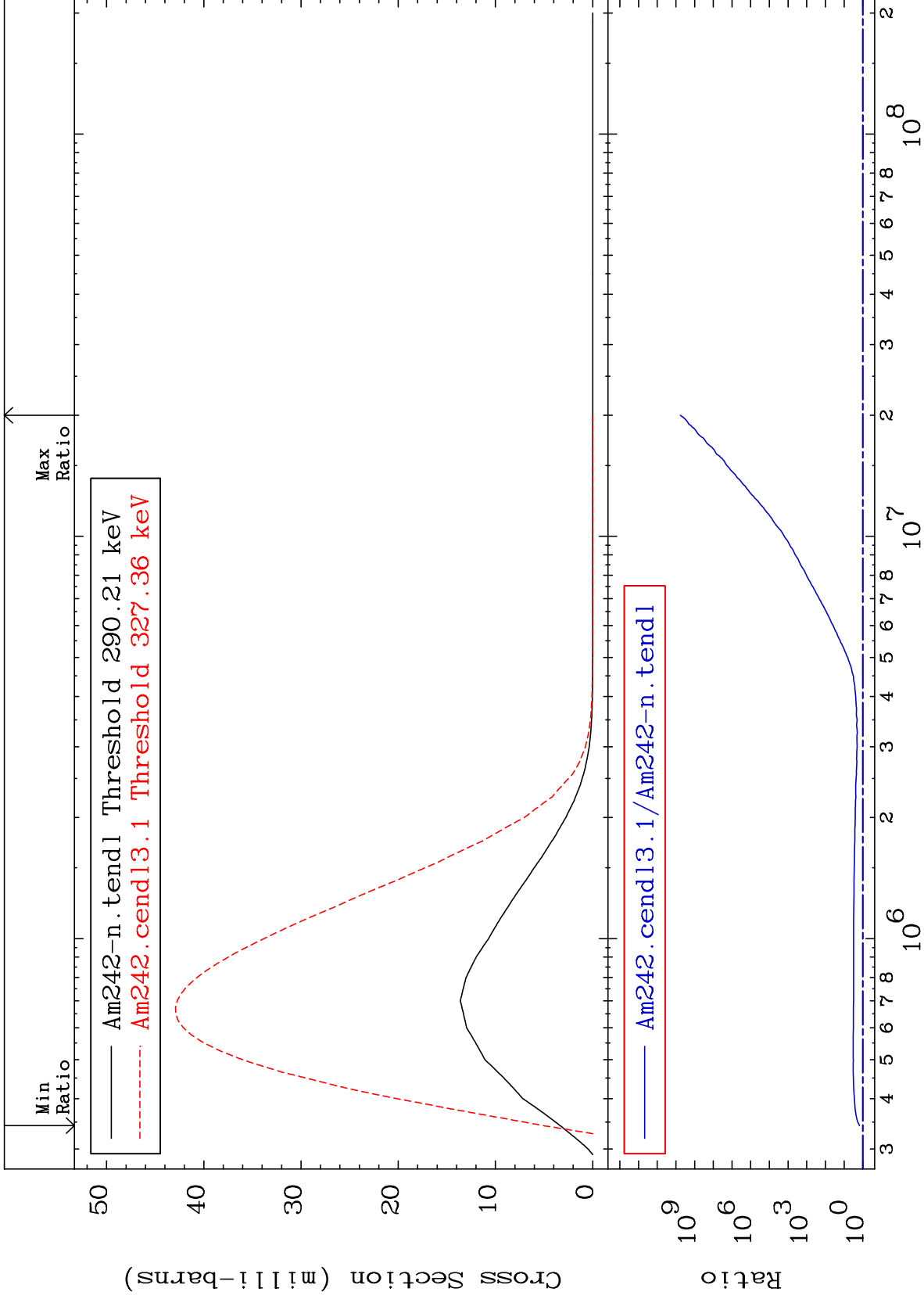
95-Am-242
-99.57 To -31.04%



MAT 9546

289.0 keV (n,n') Level
Cross Section

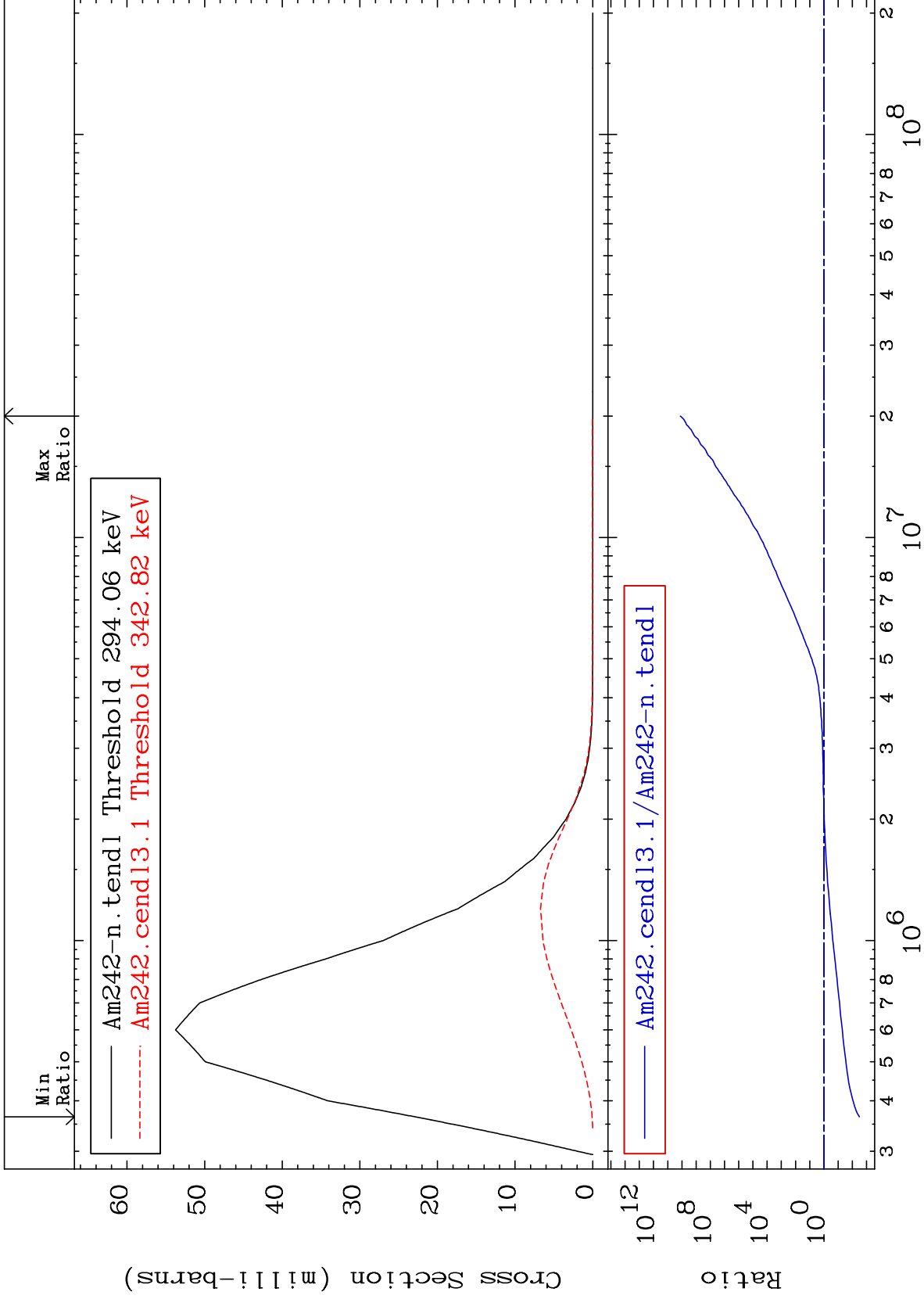
95-Am-242
52.16 To 9999. %



MAT 9546

292.8 keV (n,n') Level
Cross Section

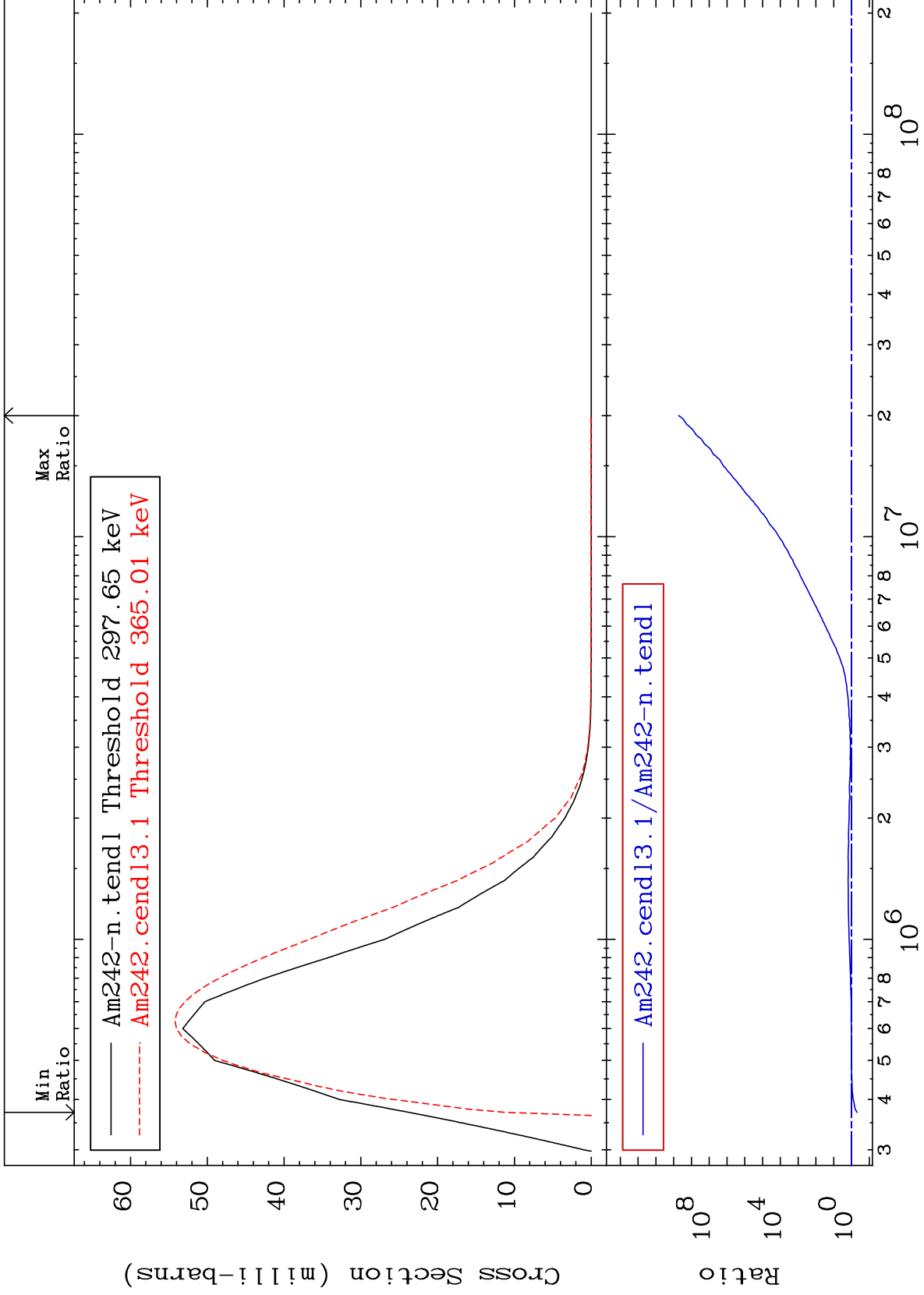
95-Am-242
-99.68 To 9999. %



MAT 9546

296.4 keV (n,n') Level
Cross Section

95-Am-242
-52.48 To 9999. %



26

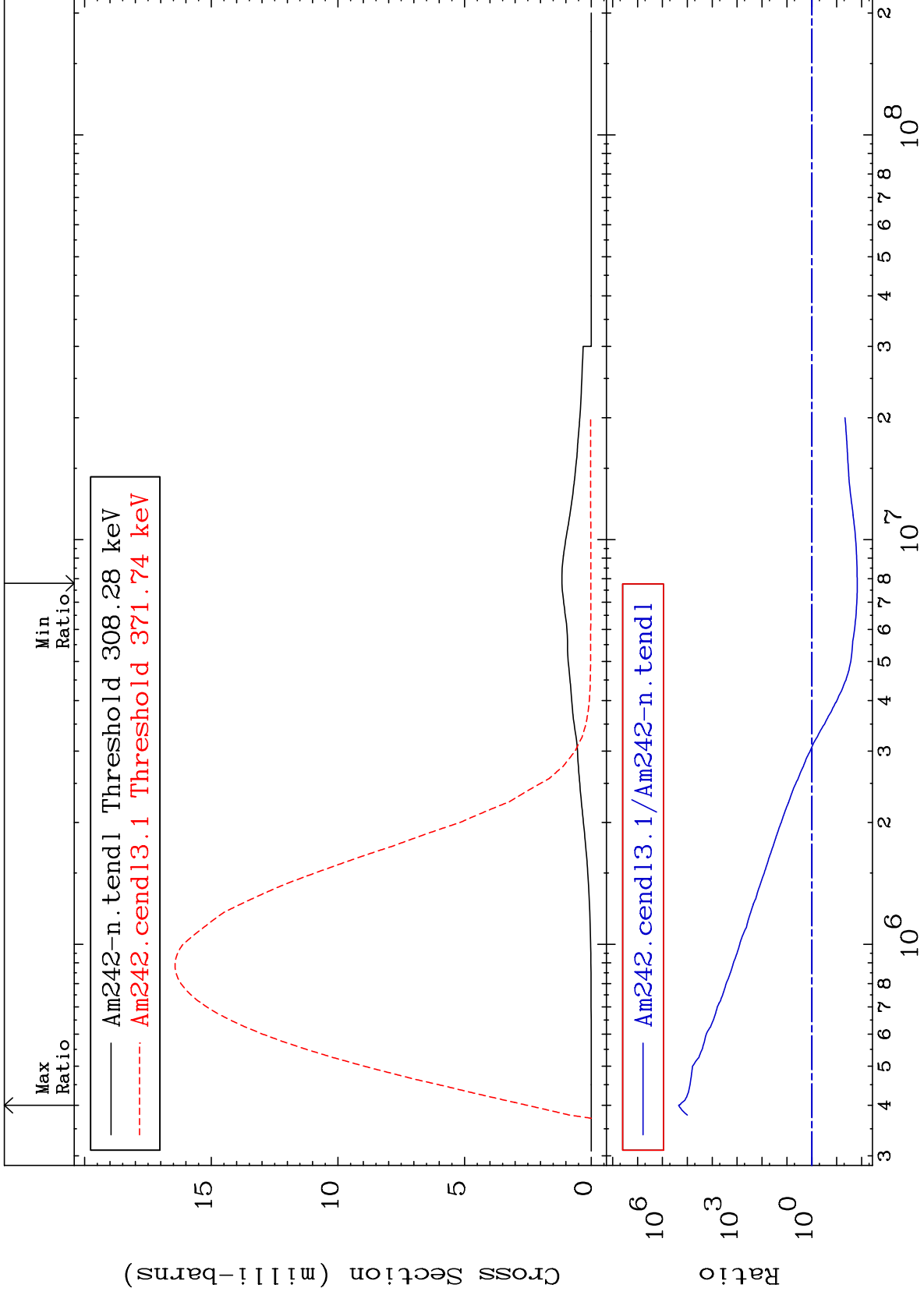
Incident Energy (eV)

95-Am-242

MAT 9546

307.0 keV (n,n') Level
Cross Section

95-Am-242
-98.50 To 9999. %



27

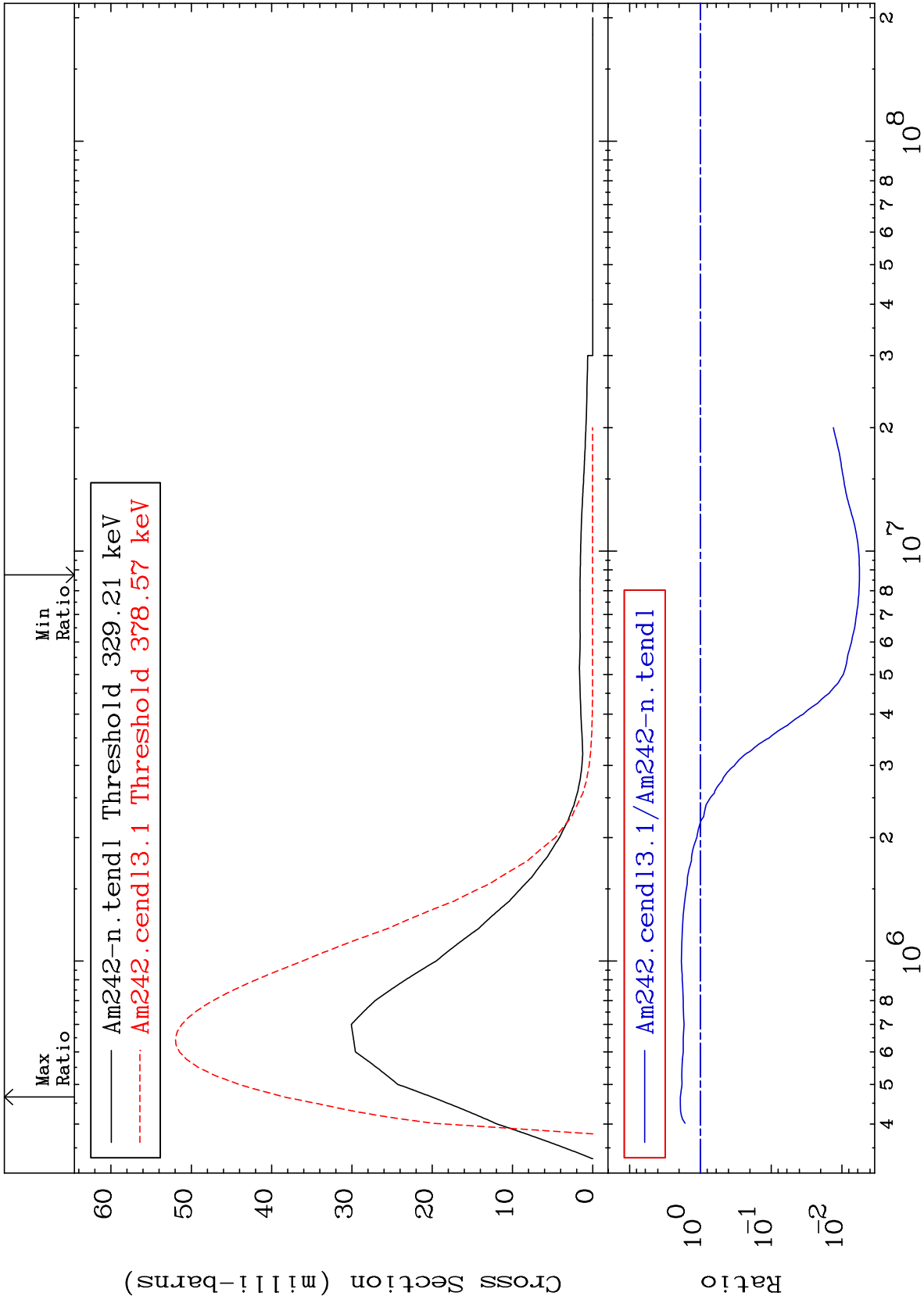
Incident Energy (eV)

95-Am-242

MAT 9546

327.8 keV (n,n') Level
Cross Section

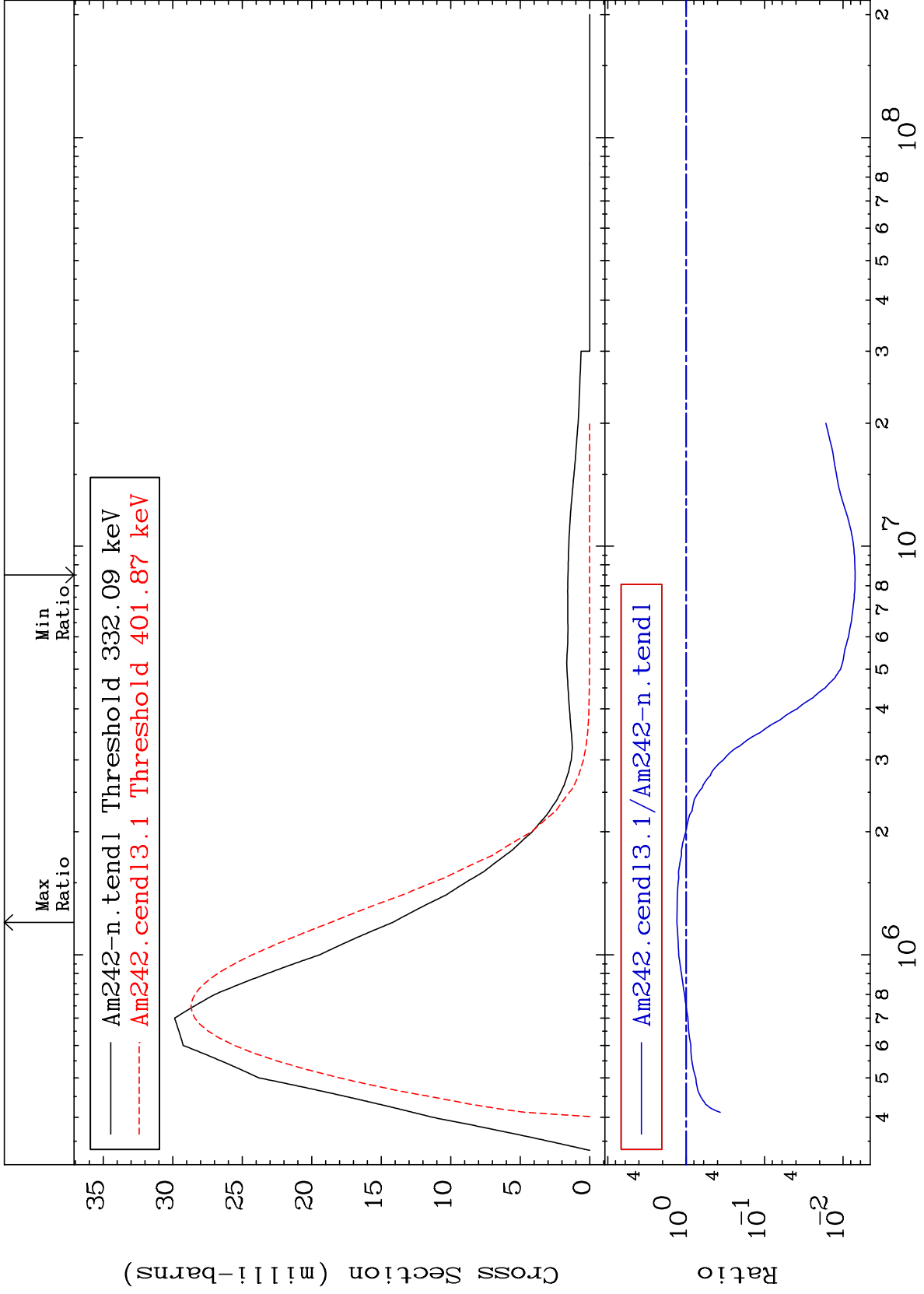
95-Am-242
-99.43 To 91.70 %



MAT 9546

330.7 keV (n,n') Level
Cross Section

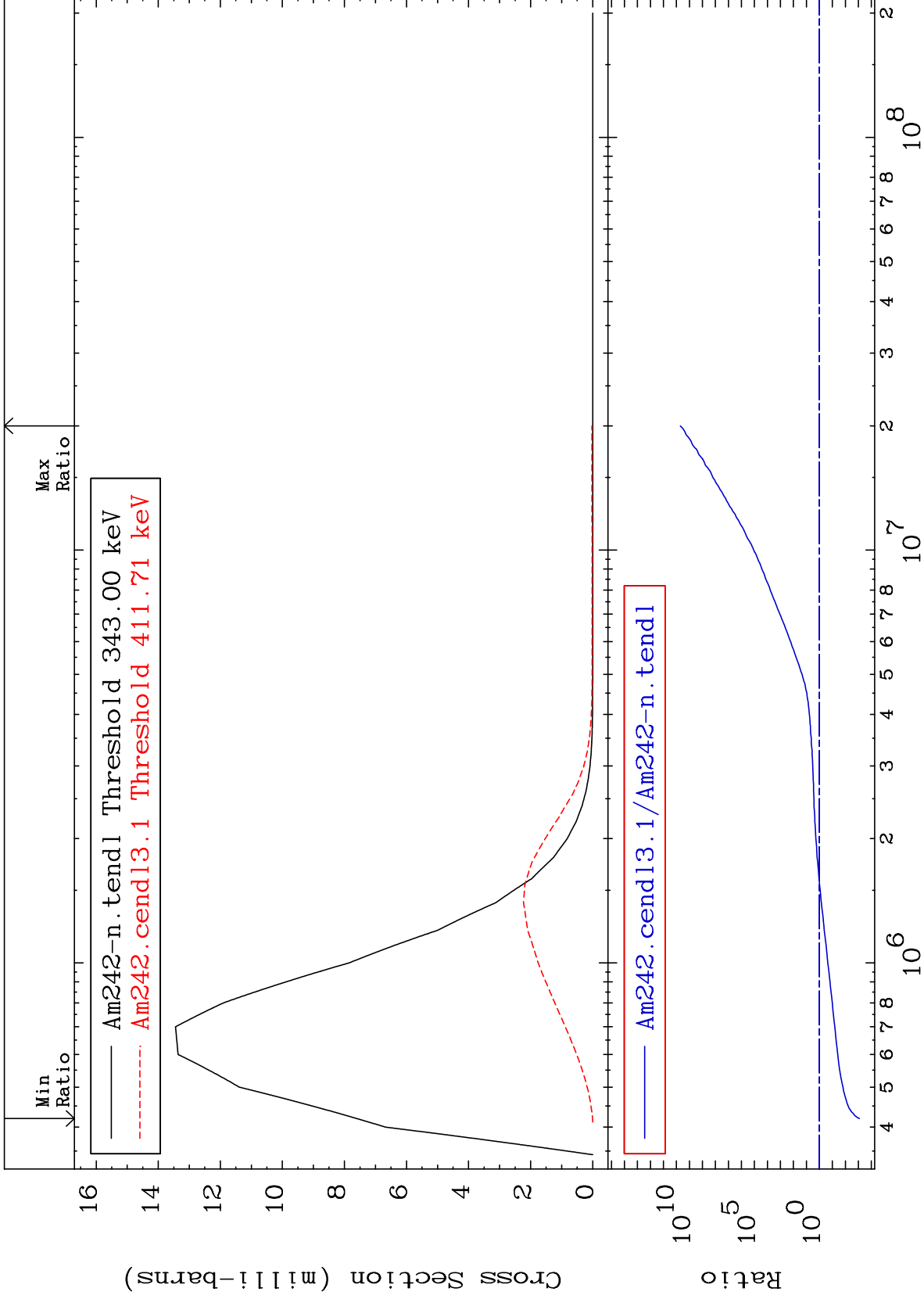
95-Am-242
-99.30 To 31.43 %



MAT 9546

341.6 keV (n,n') Level
Cross Section

95-Am-242
-99.92 To 9999. %



30

Incident Energy (eV)

95-Am-242

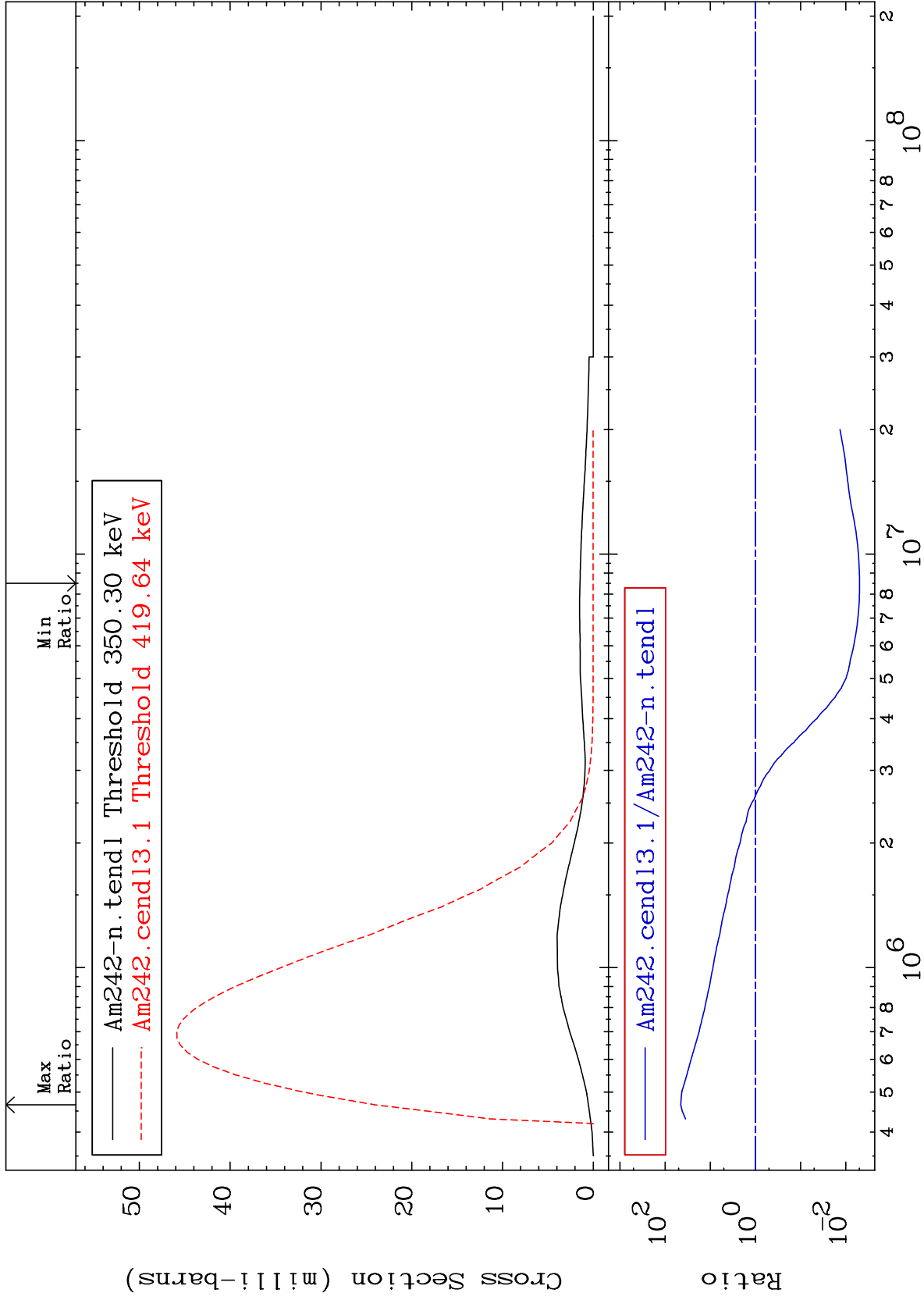
MAT 9546

348.8 keV (n,n') Level

95-Am-242

-99.50 To 4398. %

Cross Section



31

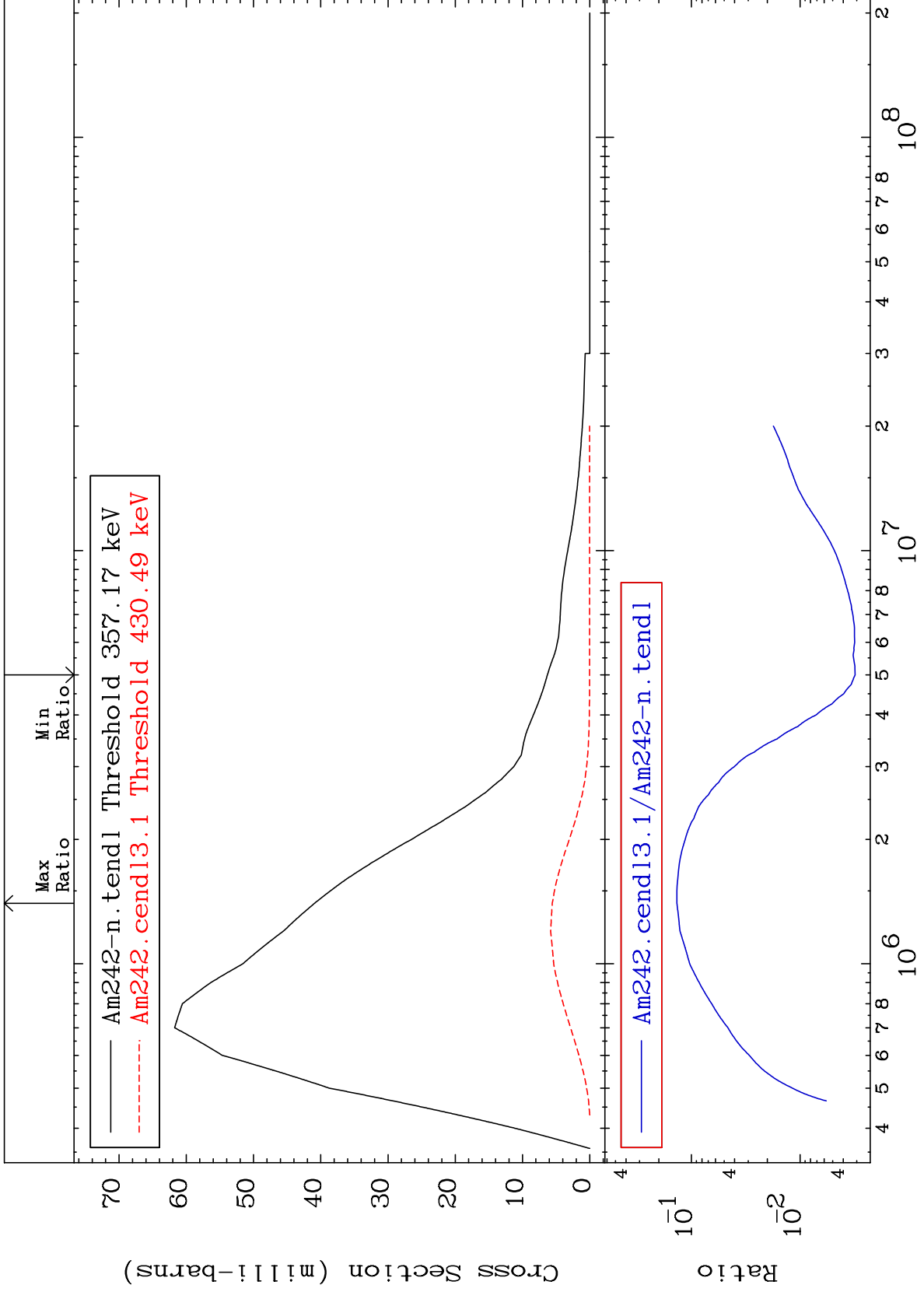
Incident Energy (eV)

95-Am-242

MAT 9546

355.7 keV (n,n') Level
Cross Section

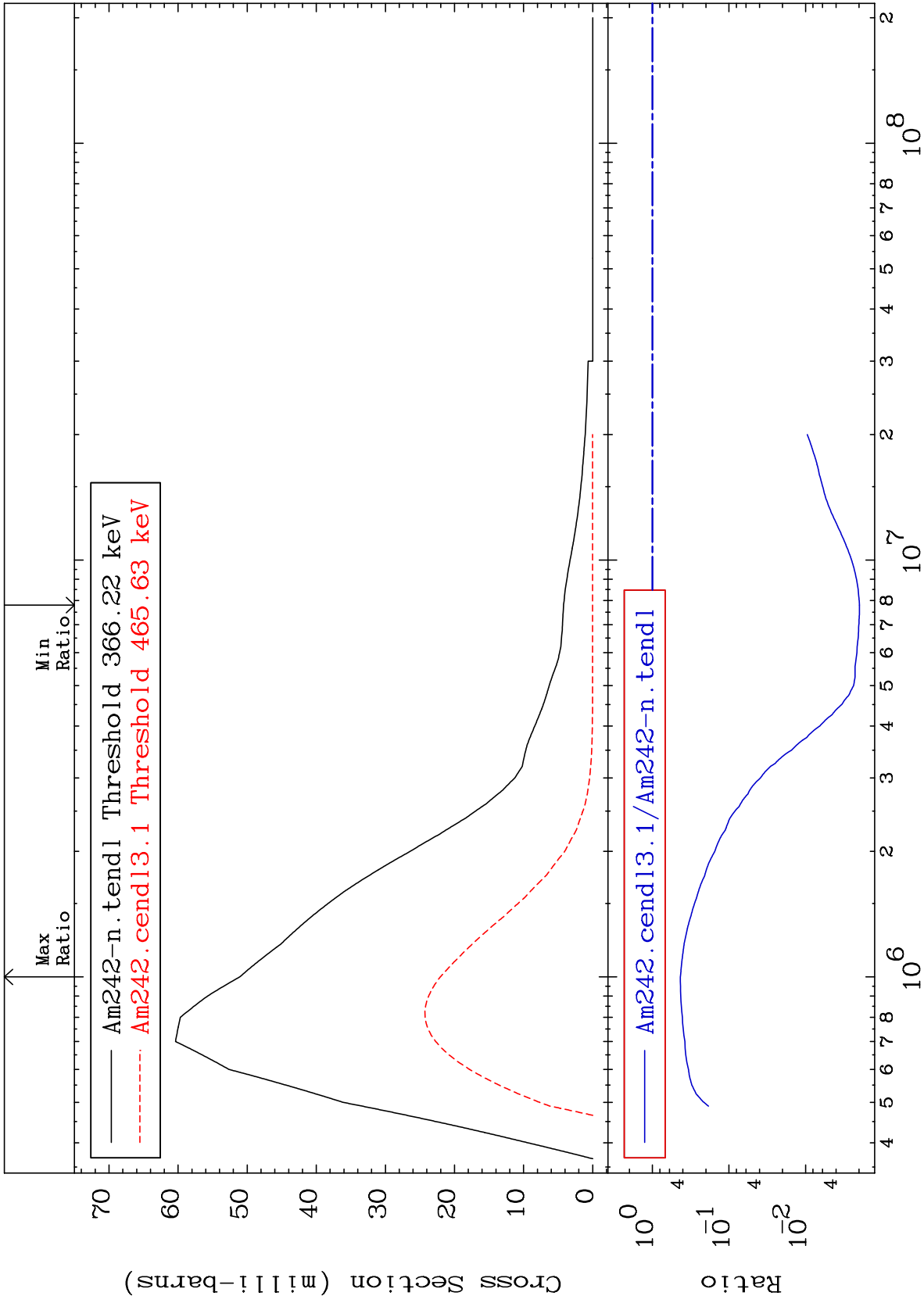
95-Am-242
-99.69 To -86.40%



MAT 9546

364.7 keV (n,n') Level
Cross Section

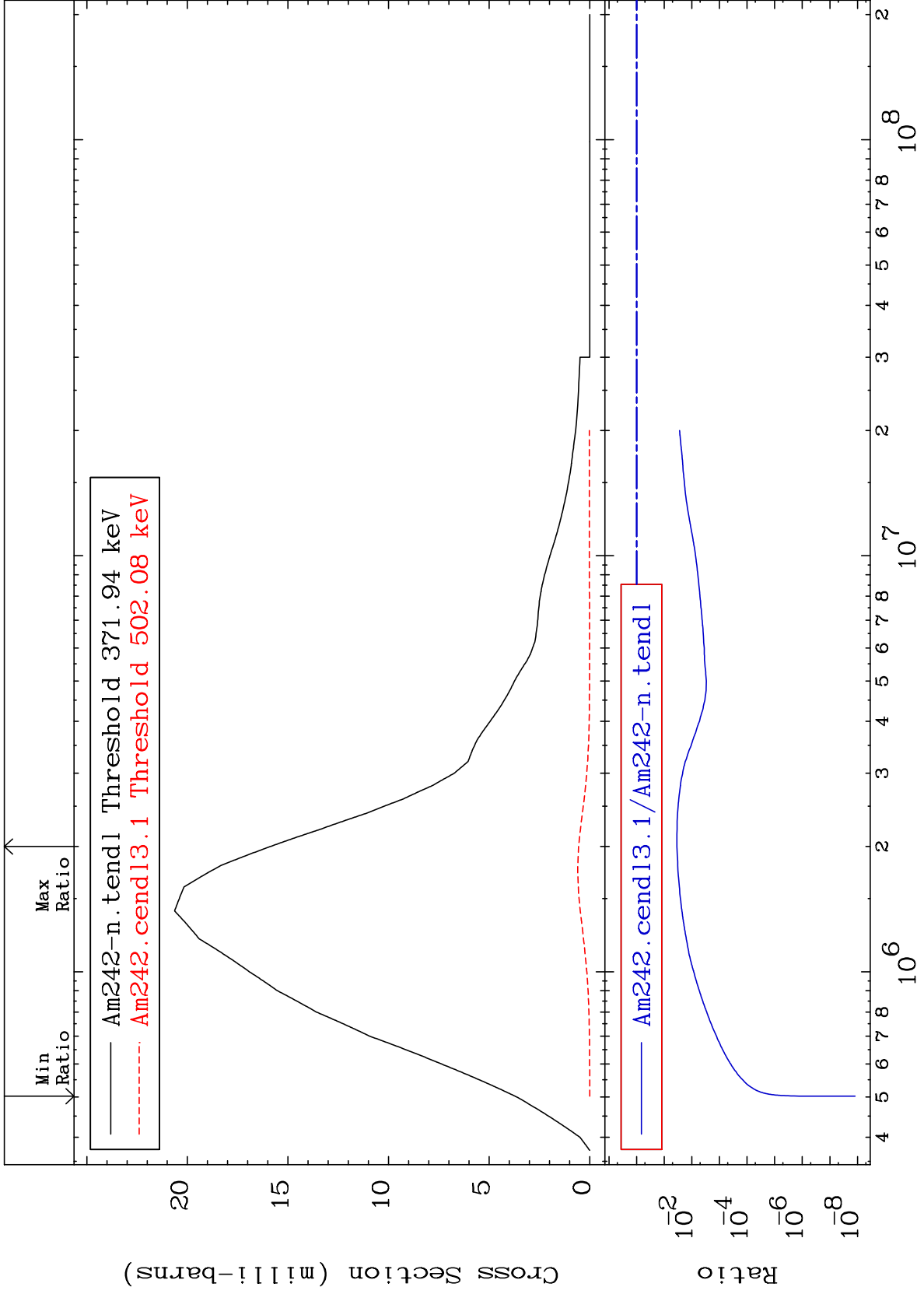
95-Am-242
-99.80 To -56.82%



MAT 9546

370.4 keV (n,n') Level
Cross Section

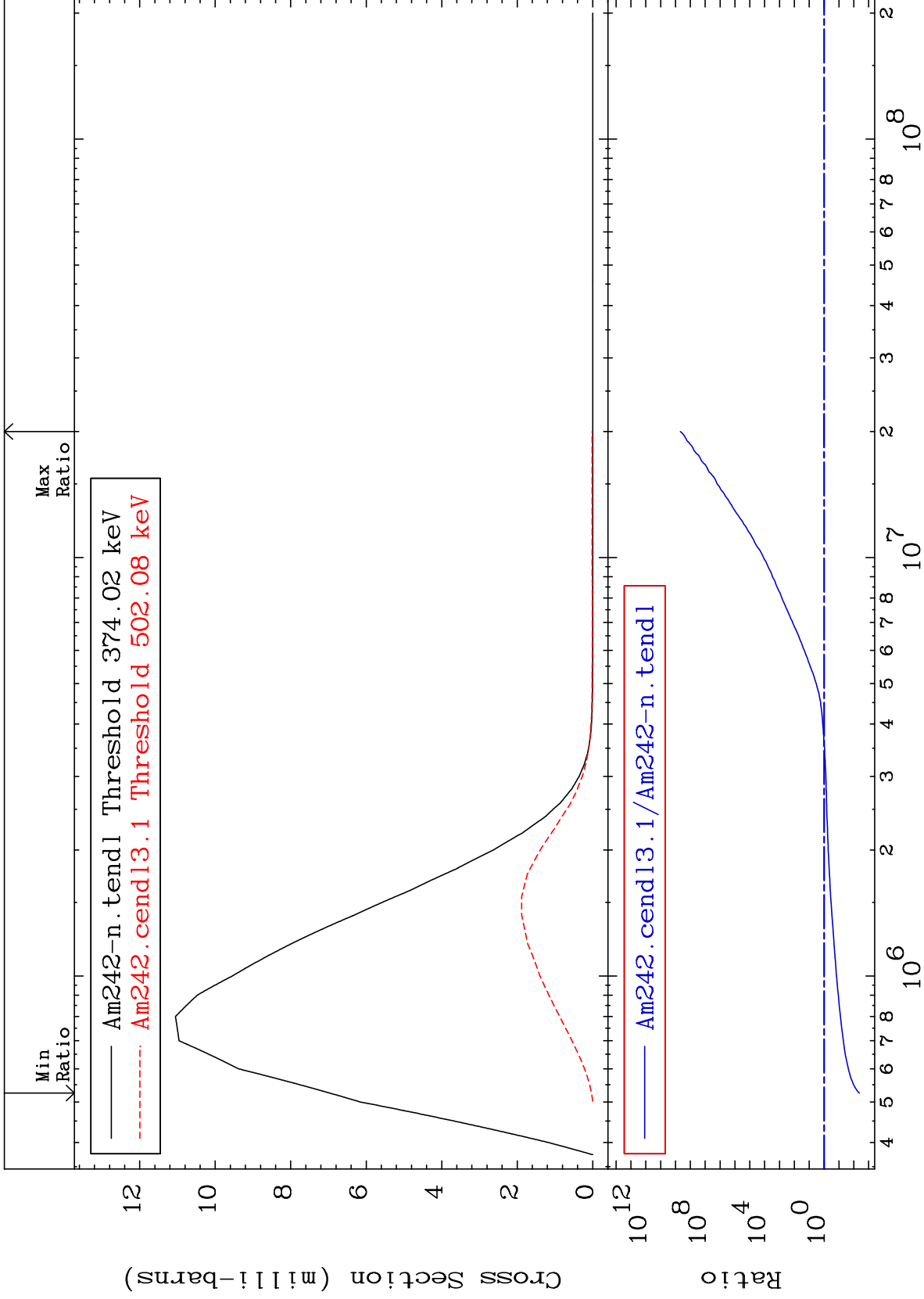
95-Am-242
-100.0 To -96.54%



MAT 9546

372.5 keV (n,n') Level
Cross Section

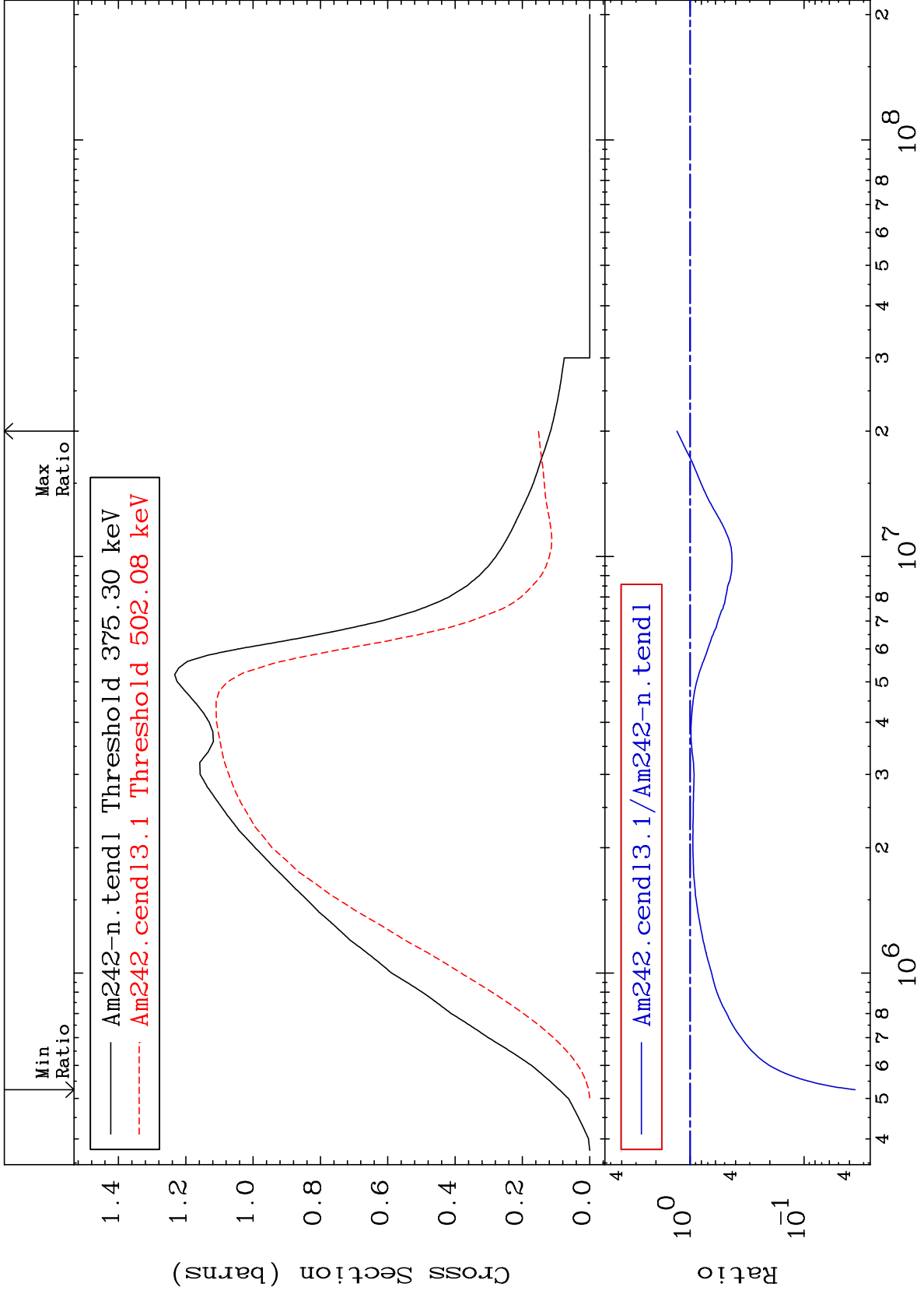
95-Am-242
-99.58 To 9999. %



MAT 9546

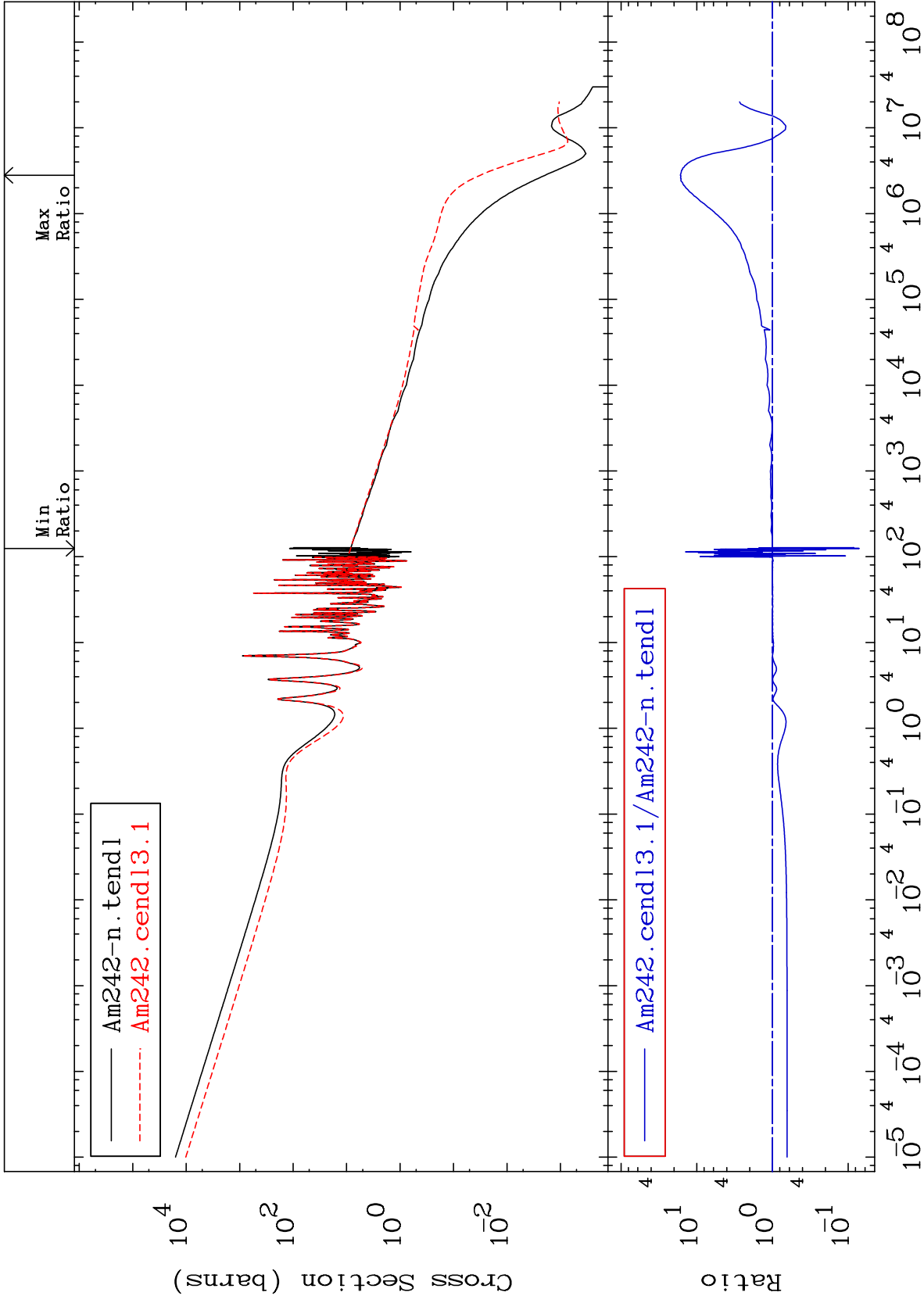
(n, n') Continuum
Cross Section

95-Am-242
-96.43 To 30.89 %



MAT 9546

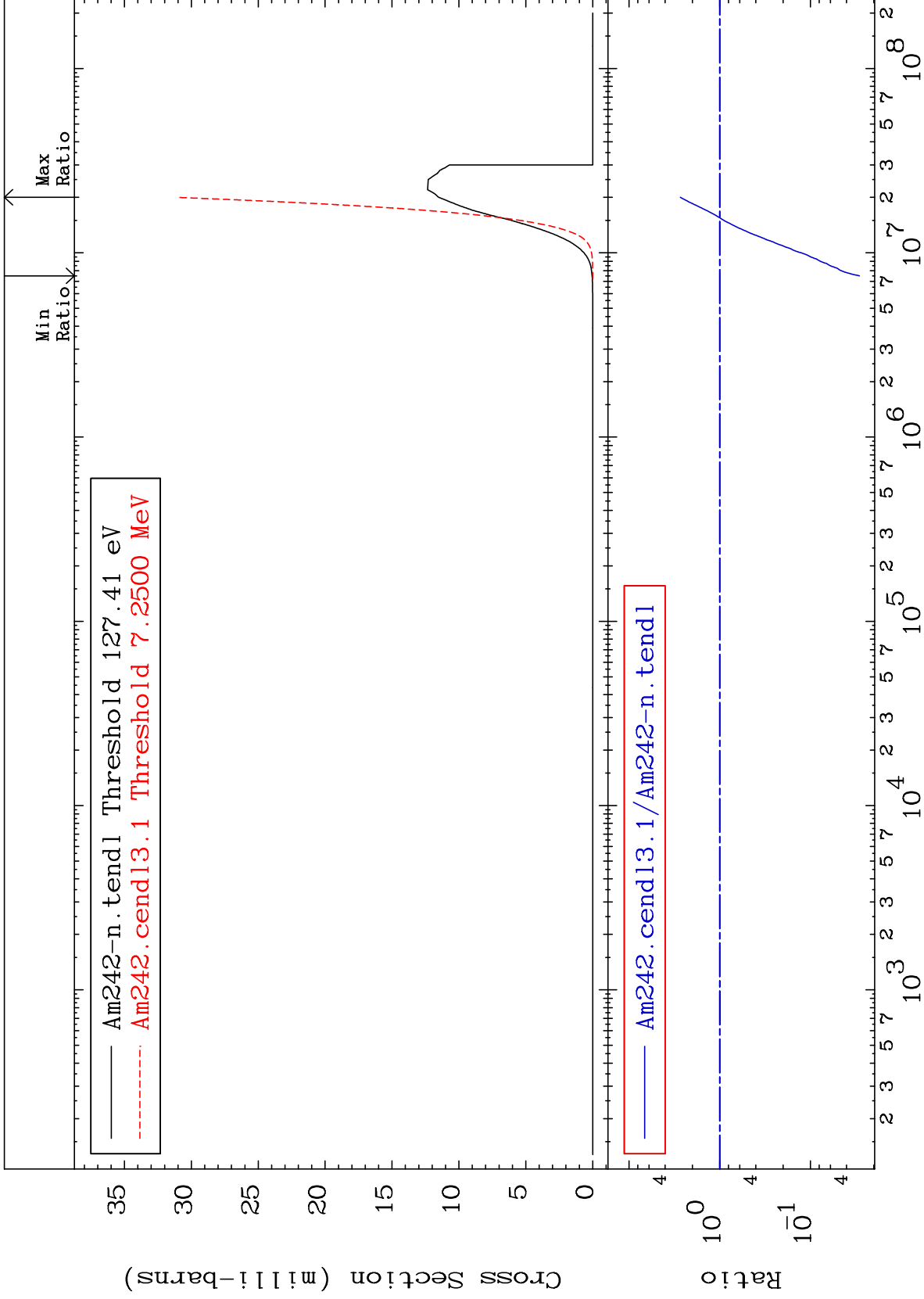
(n, γ)
Cross Section
95-Am-242
-92.89 To 1546. %



MAT 9546

(n,p)
Cross Section

95-Am-242
-97.12 To 171.0 %



MAT 9546

(n, d)

95-Am-242
168.5 To 845.5 %

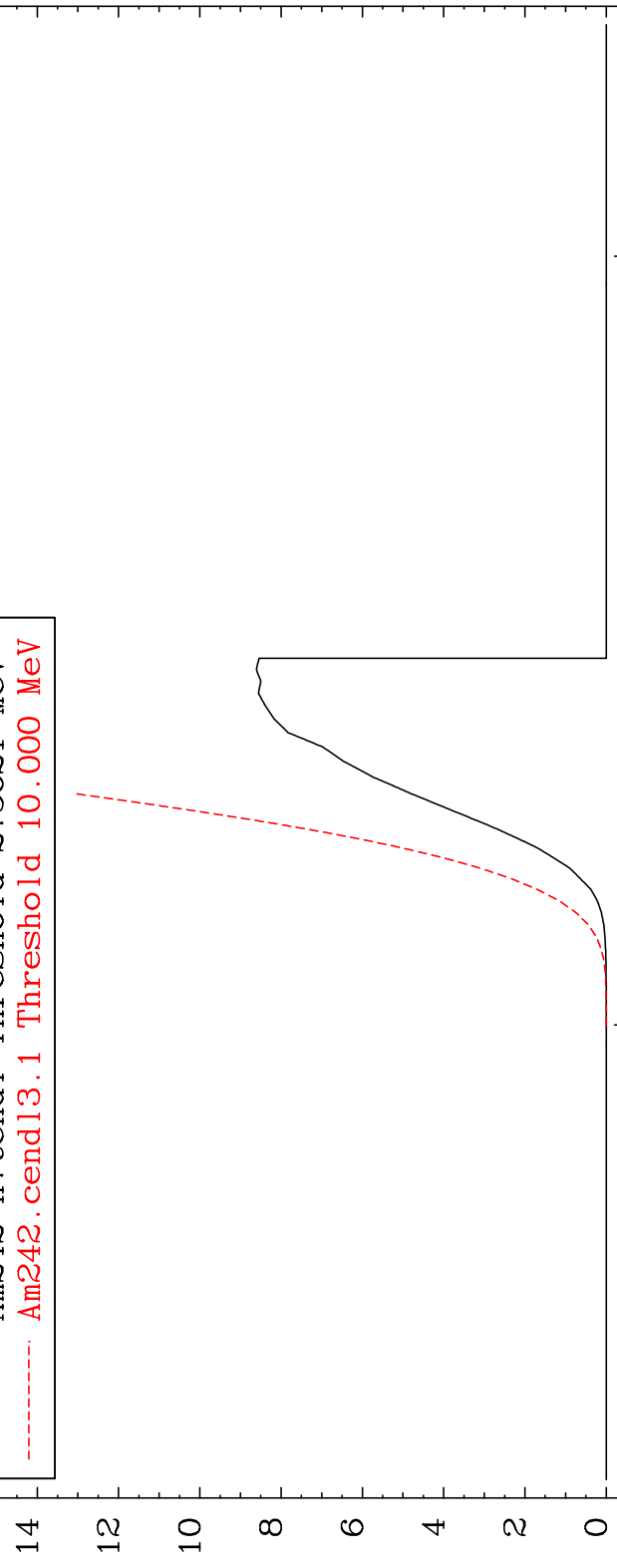
Cross Section

Max Ratio

Min Ratio

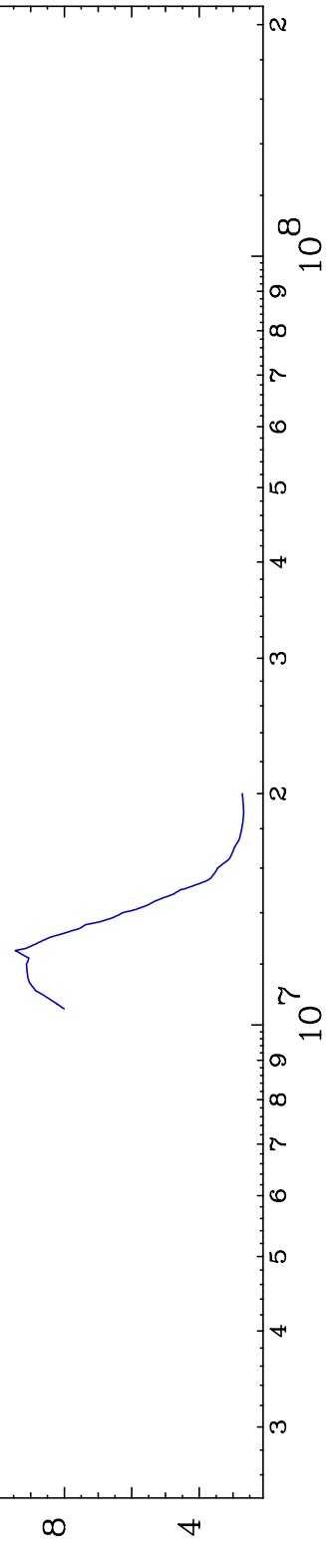
Am242-n.tend1 Threshold 2.5621 MeV
Am242.cend13.1 Threshold 10.000 MeV

Cross Section (milli-barns)



Am242.cend13.1/Am242-n.tend1

Ratio



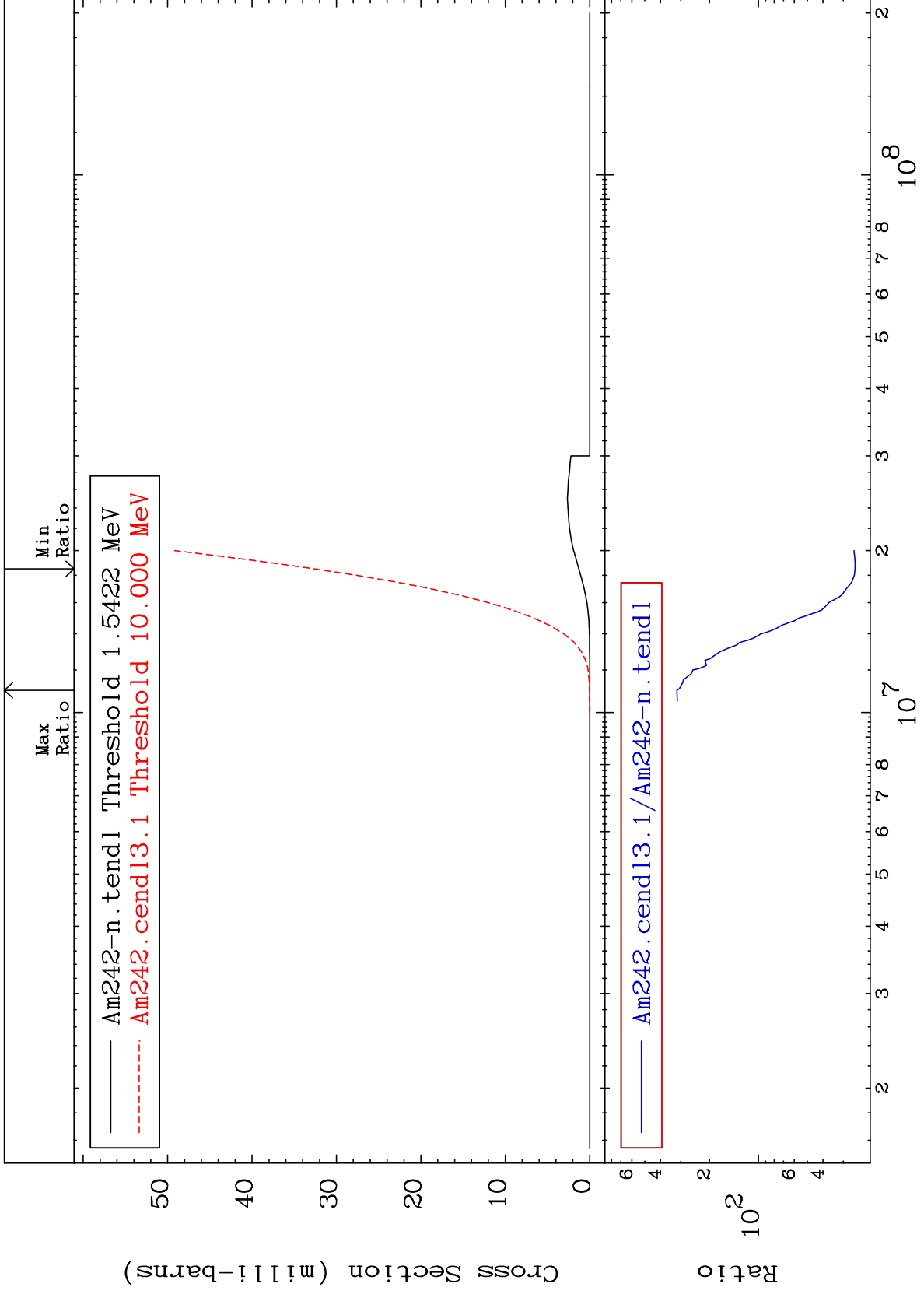
39

Incident Energy (eV)

95-Am-242

MAT 9546

(n, t)
Cross Section
95-Am-242
2440. To 9999. %



40

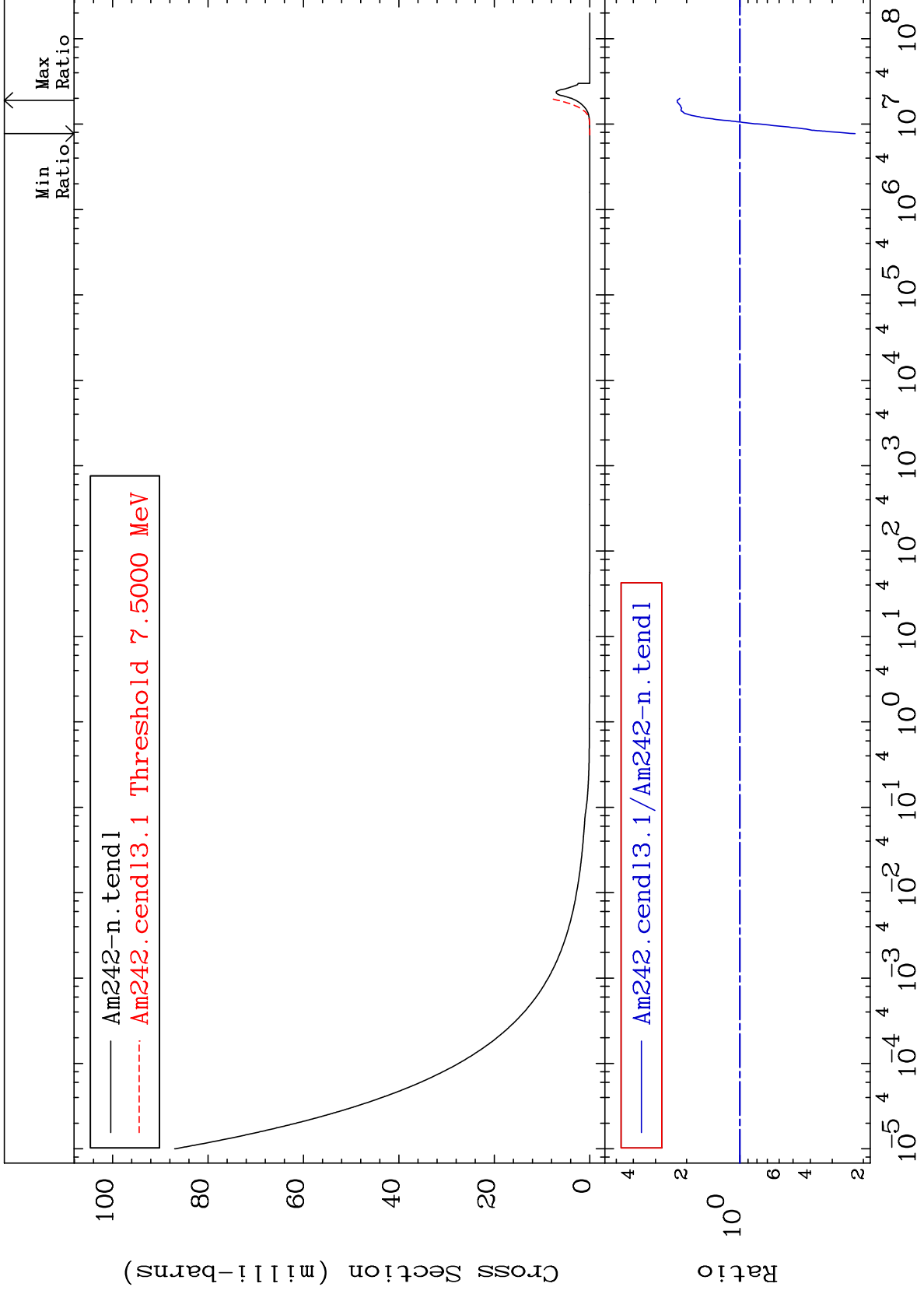
Incident Energy (eV)

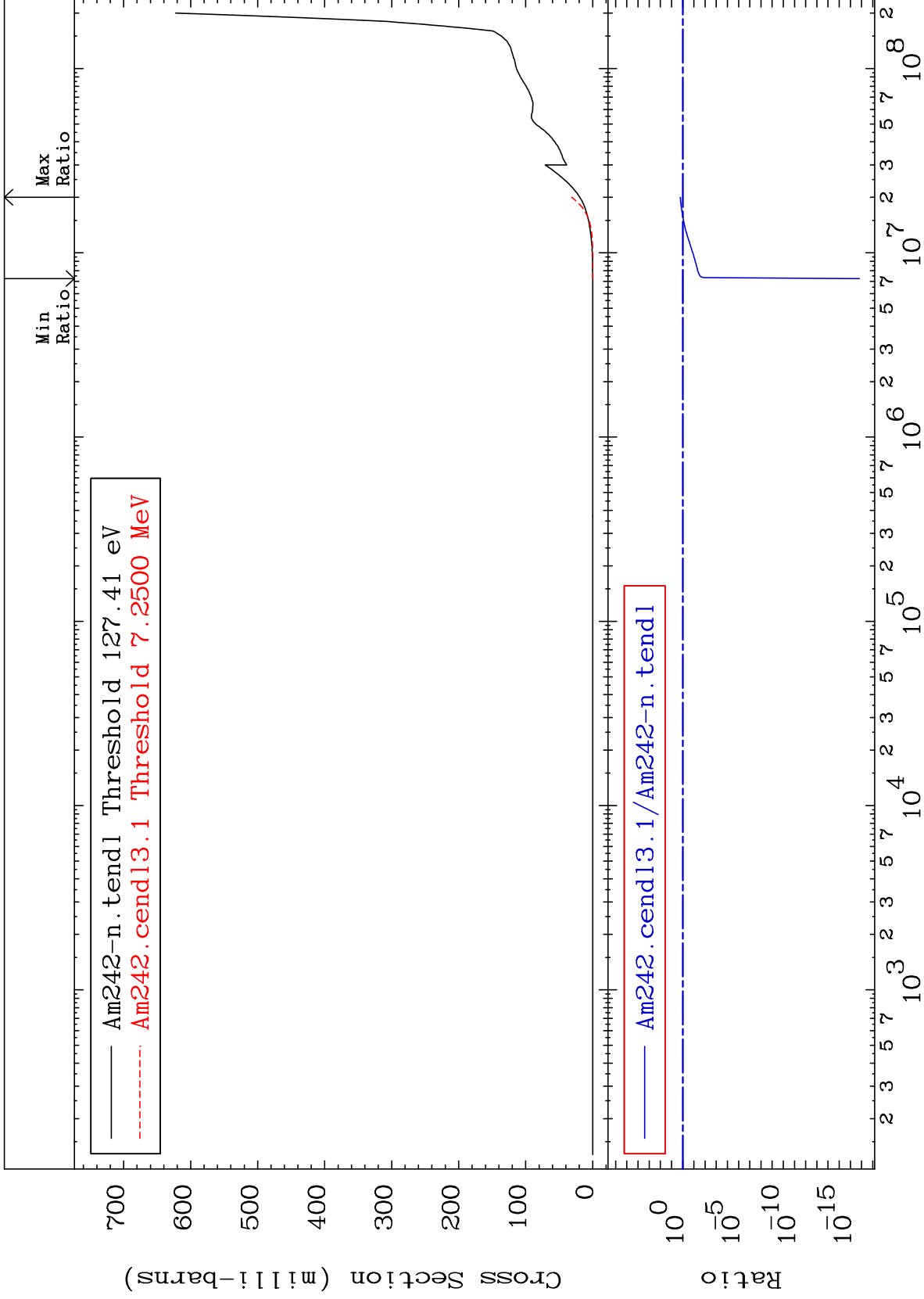
95-Am-242

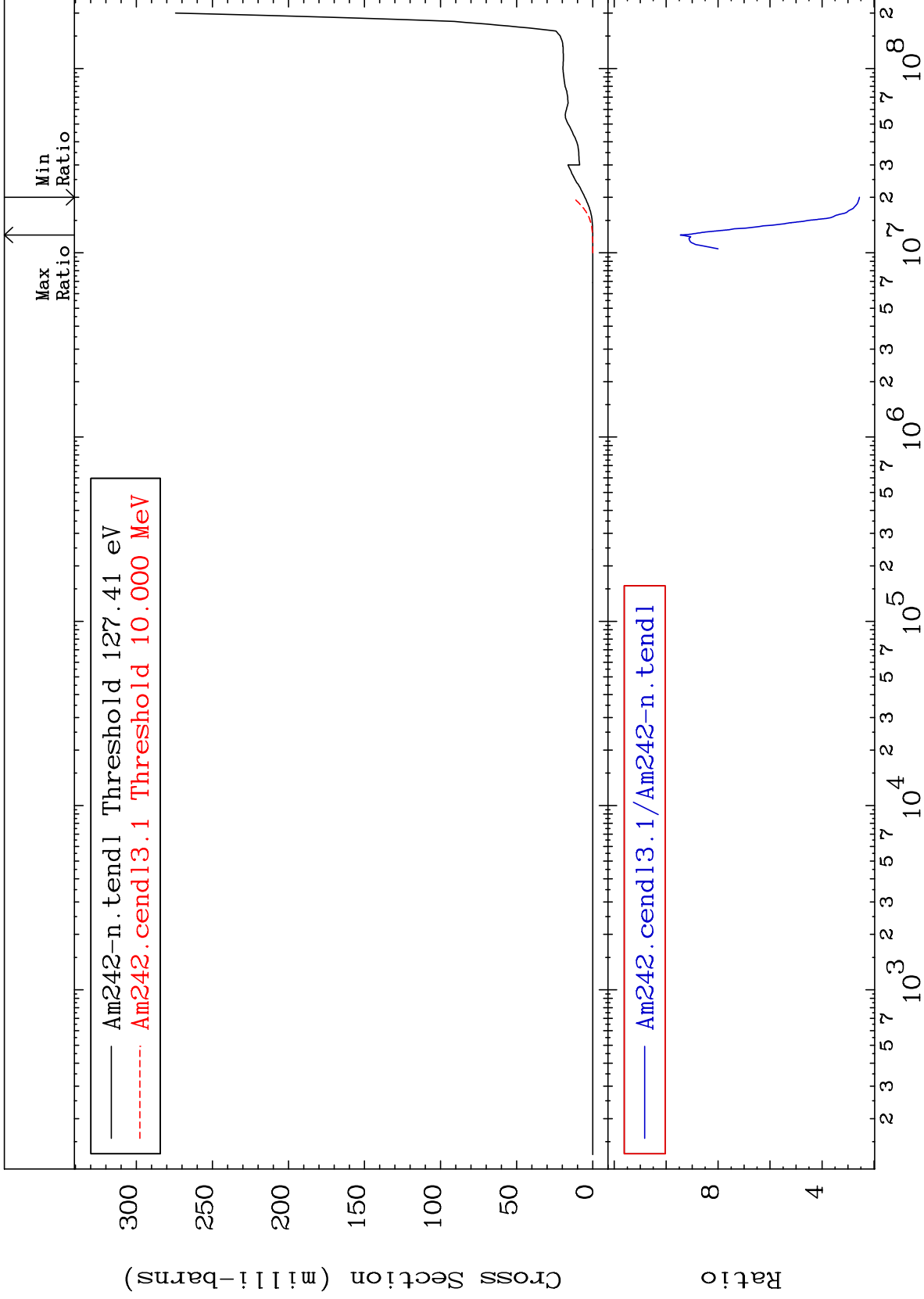
MAT 9546

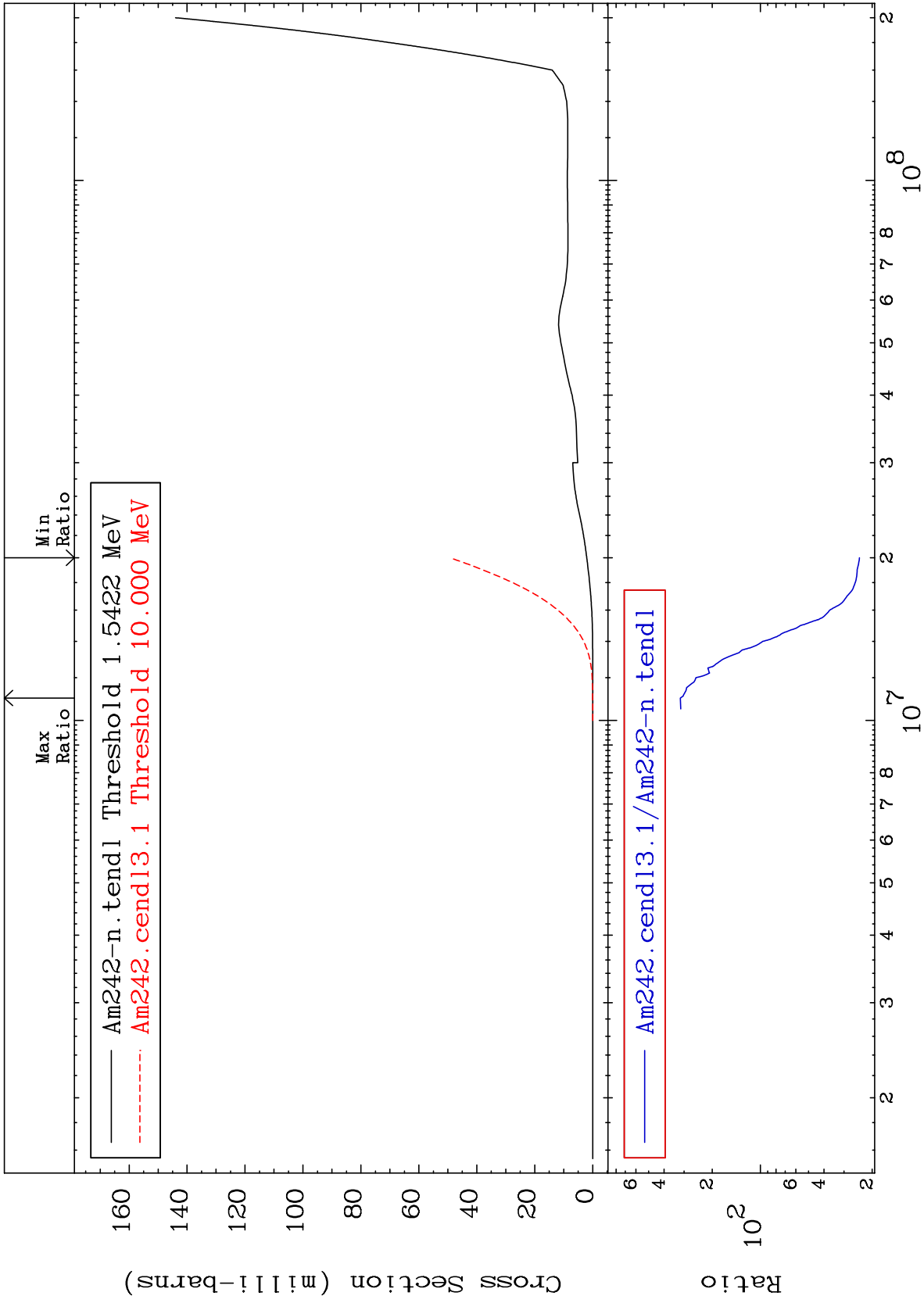
(n, α)
Cross Section

95-Am-242
-77.70 To 126.9 %





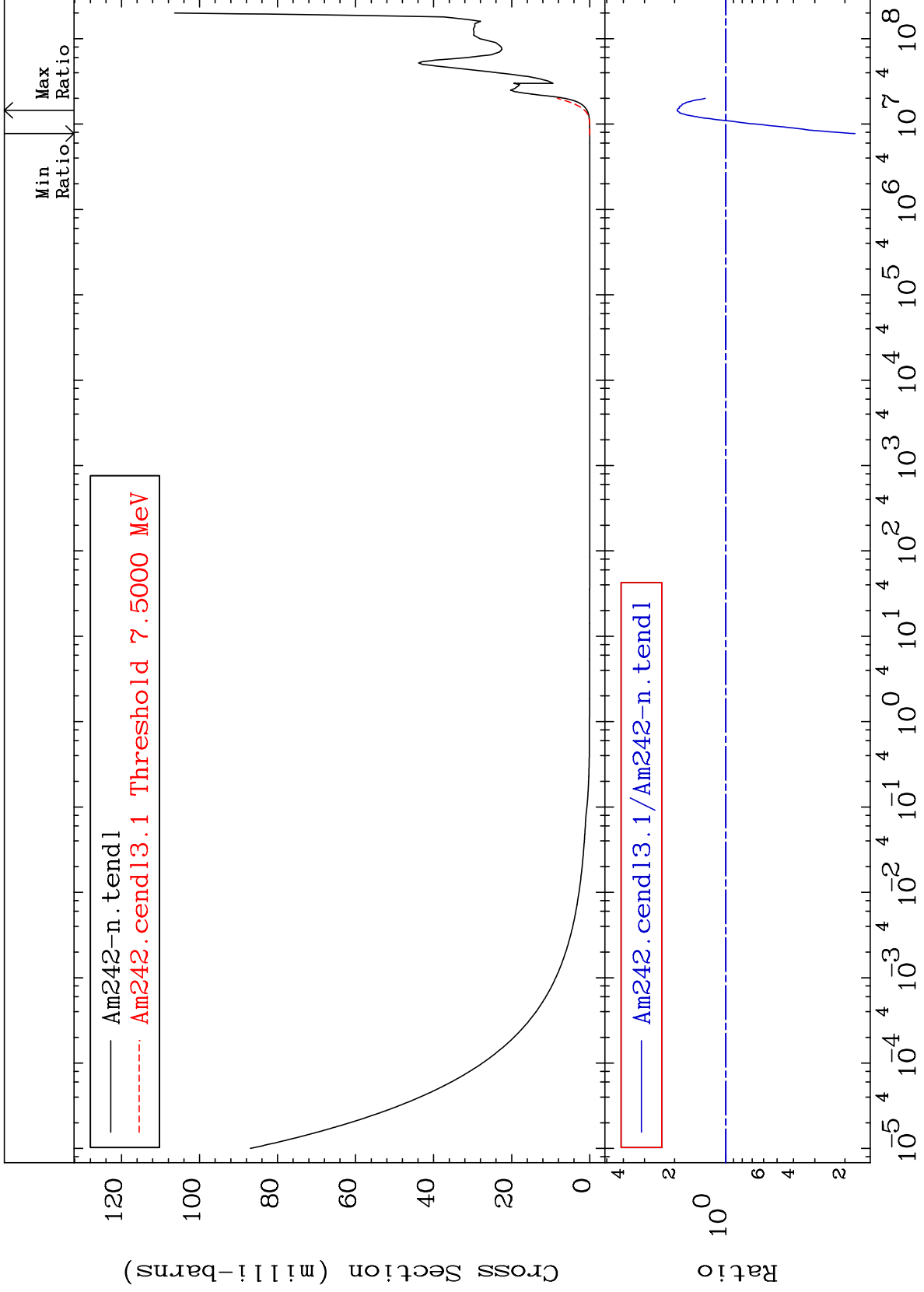




MAT 9546

He-4 Production
Cross Section

95-Am-242
-82.59 To 93.72 %



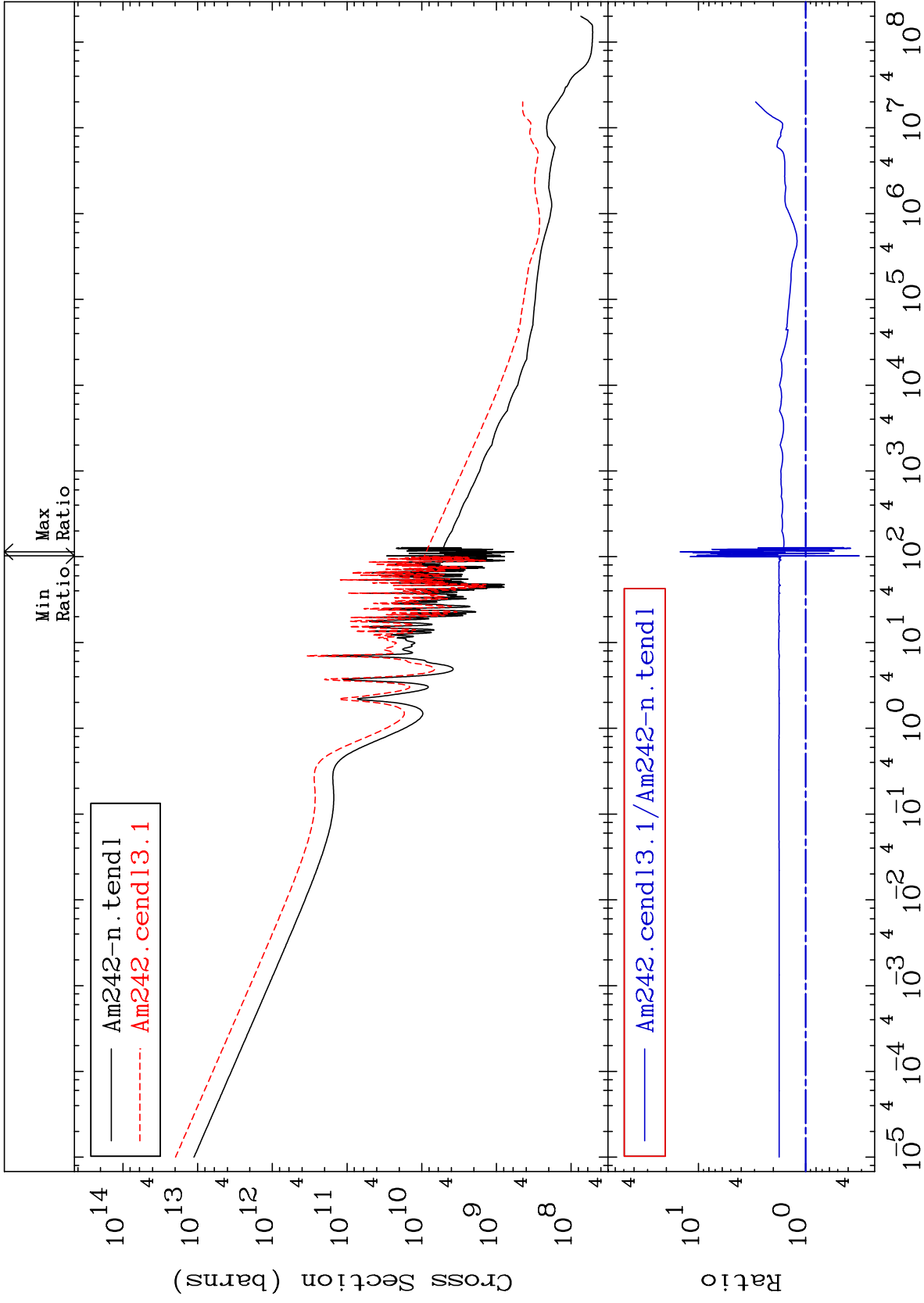
MAT 9546

Kerma total (eV-barns)

95-Am-242

-68.60 To 1379. %

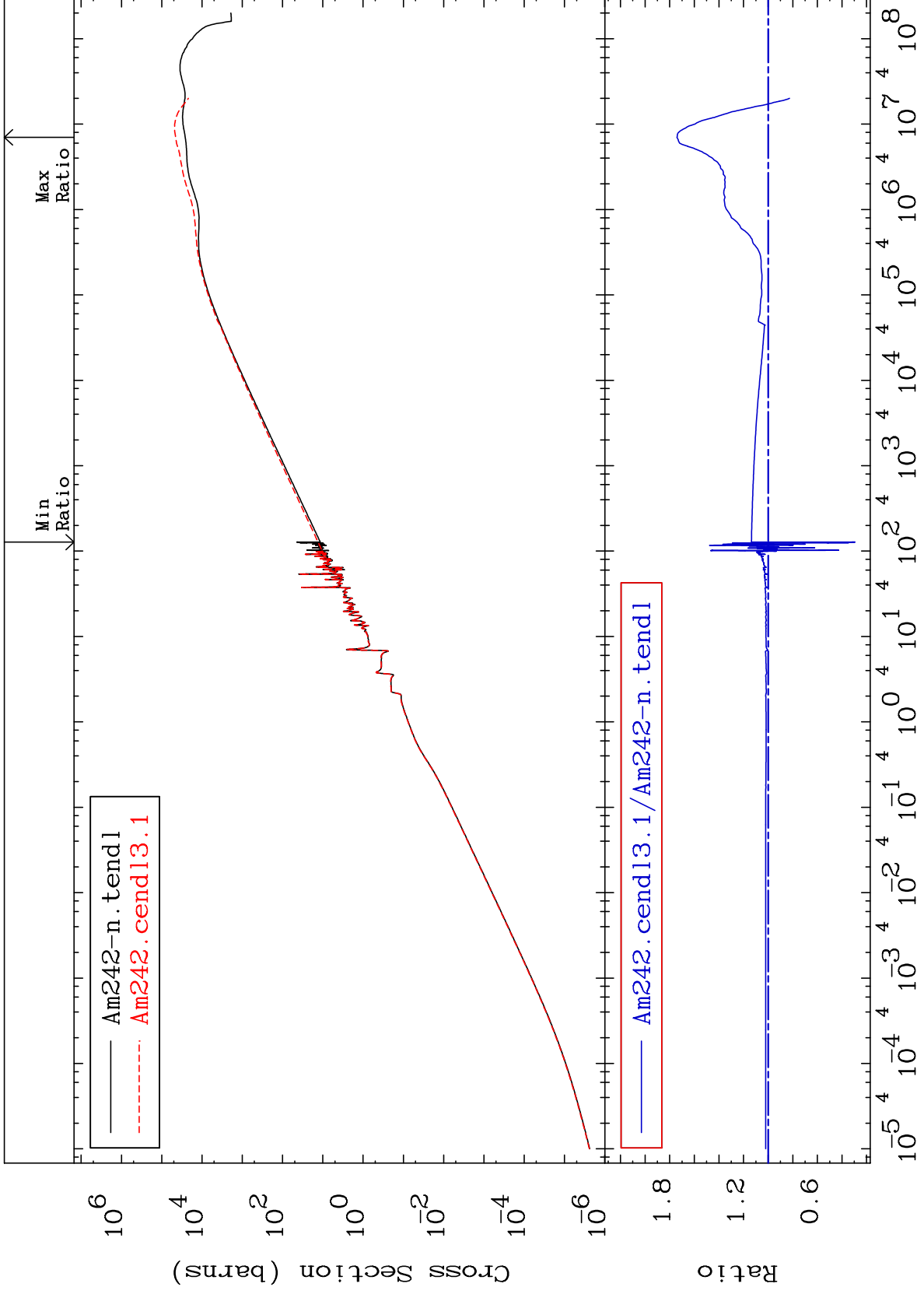
Cross Section

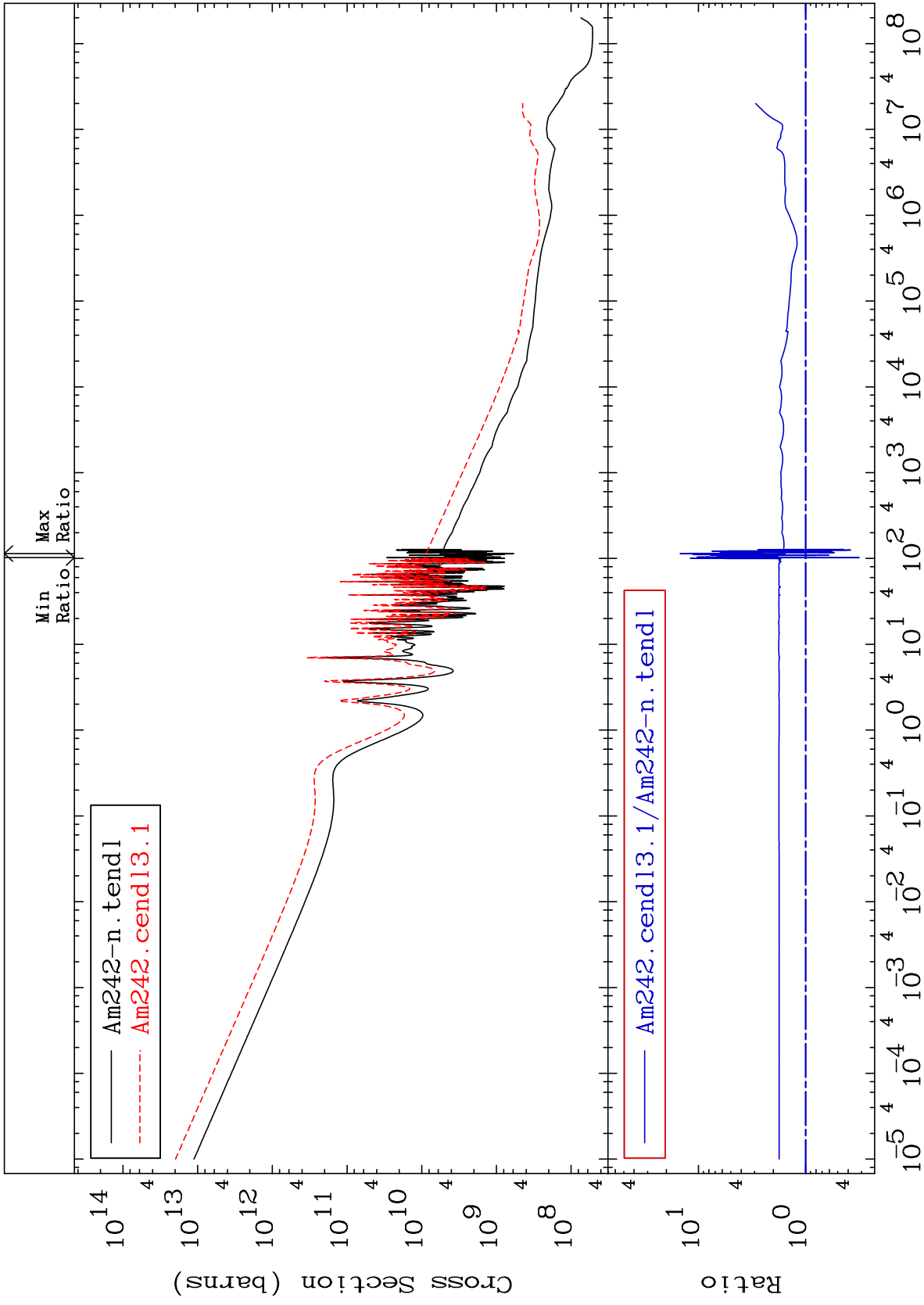


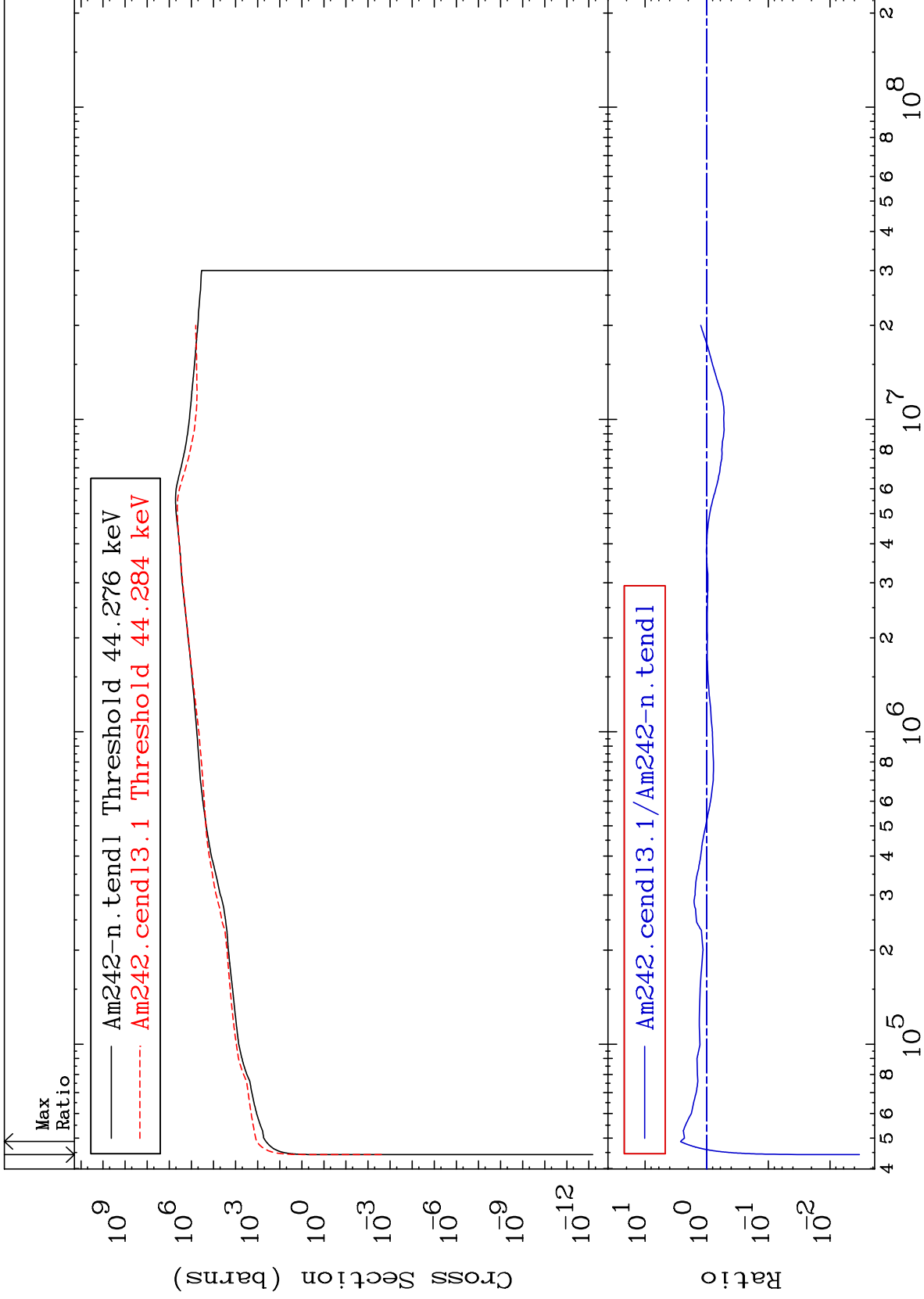
MAT 9546

Kerma elastic
Cross Section

95-Am-242
-70.65 To 74.11 %



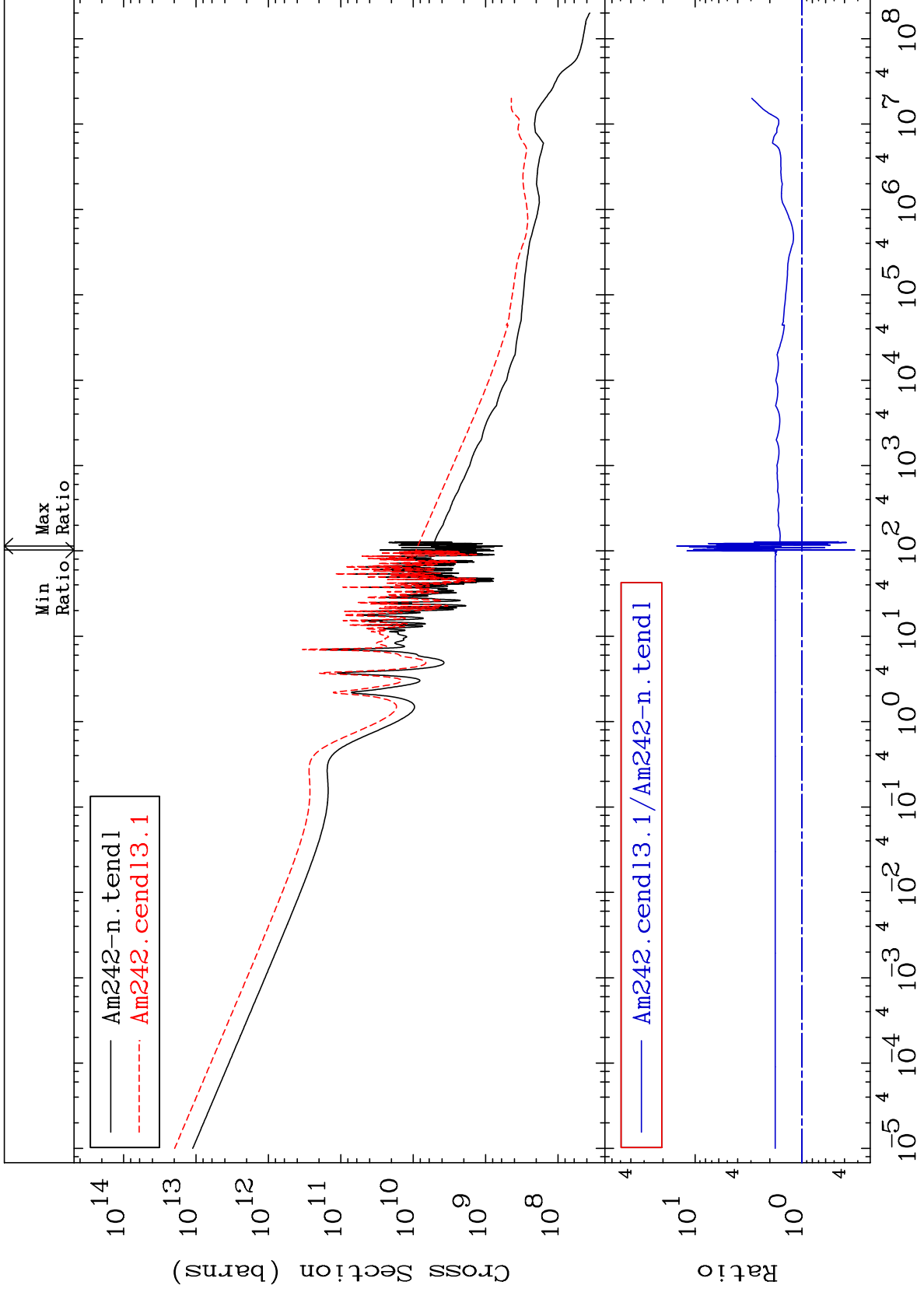




MAT 9546

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

95-Am-242
-68.20 To 1380. %



50

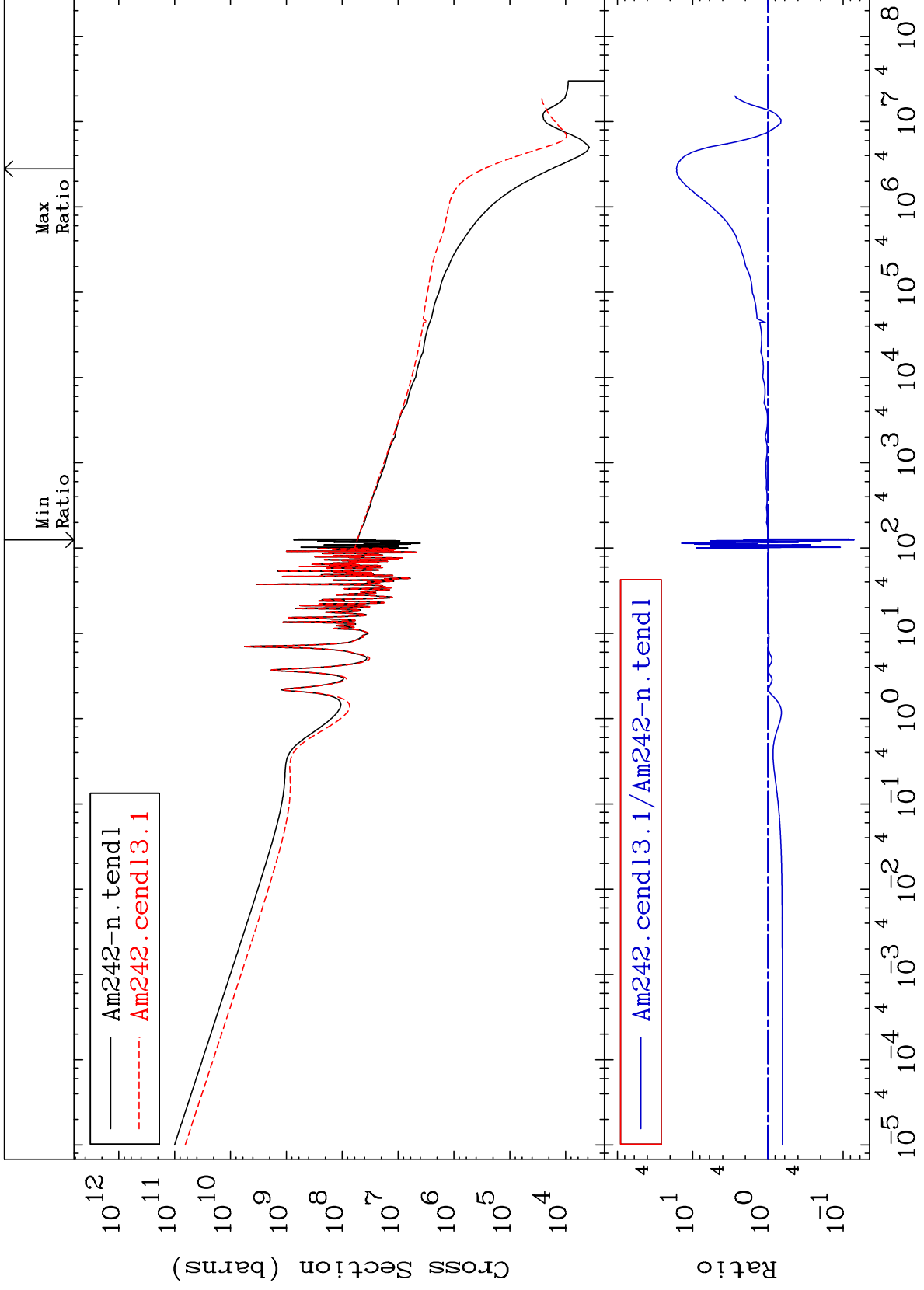
Incident Energy (eV)

95-Am-242

MAT 9546

Kerma capture (mt102)
Cross Section

95-Am-242
-92.89 To 1549. %



51

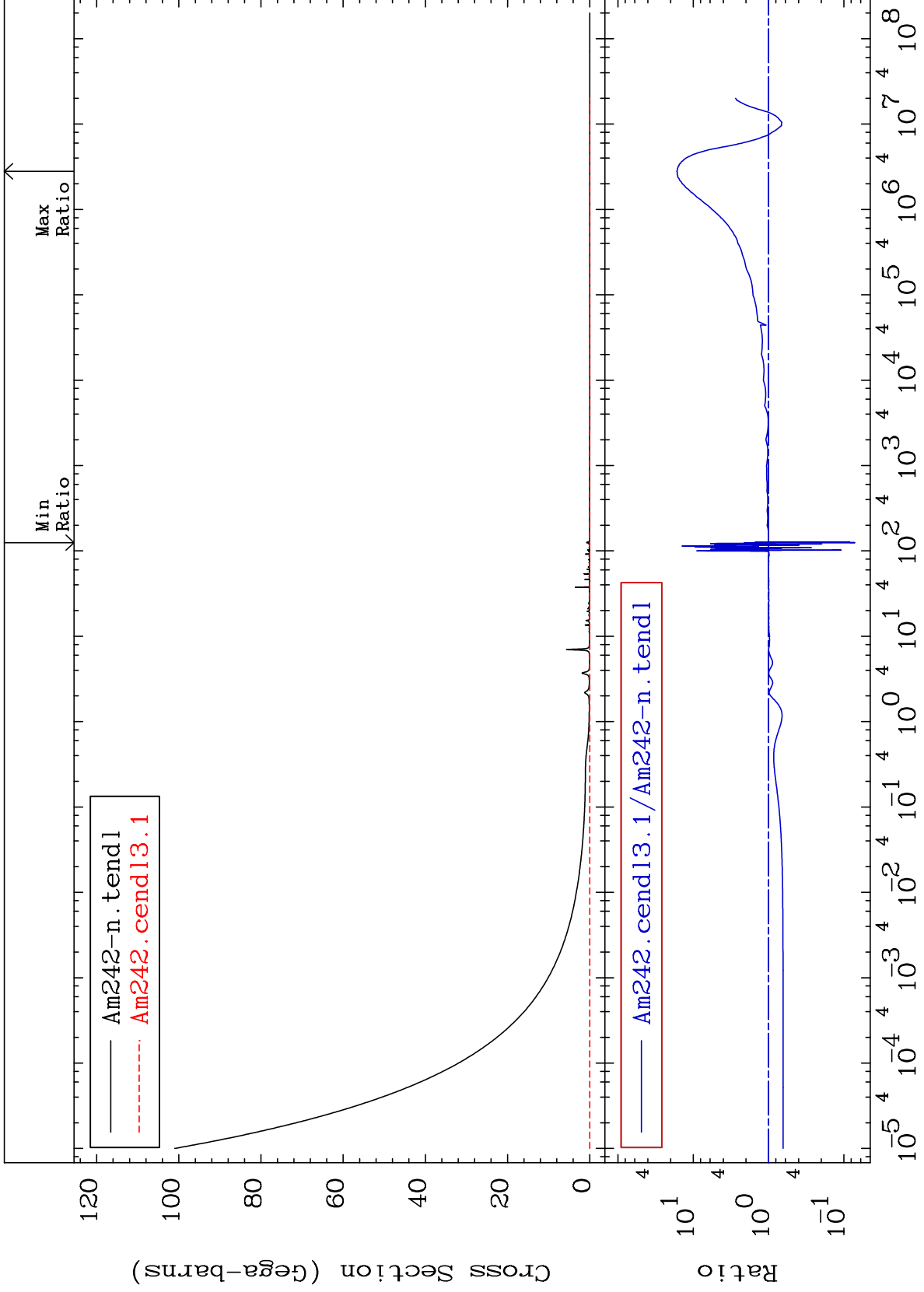
Incident Energy (eV)

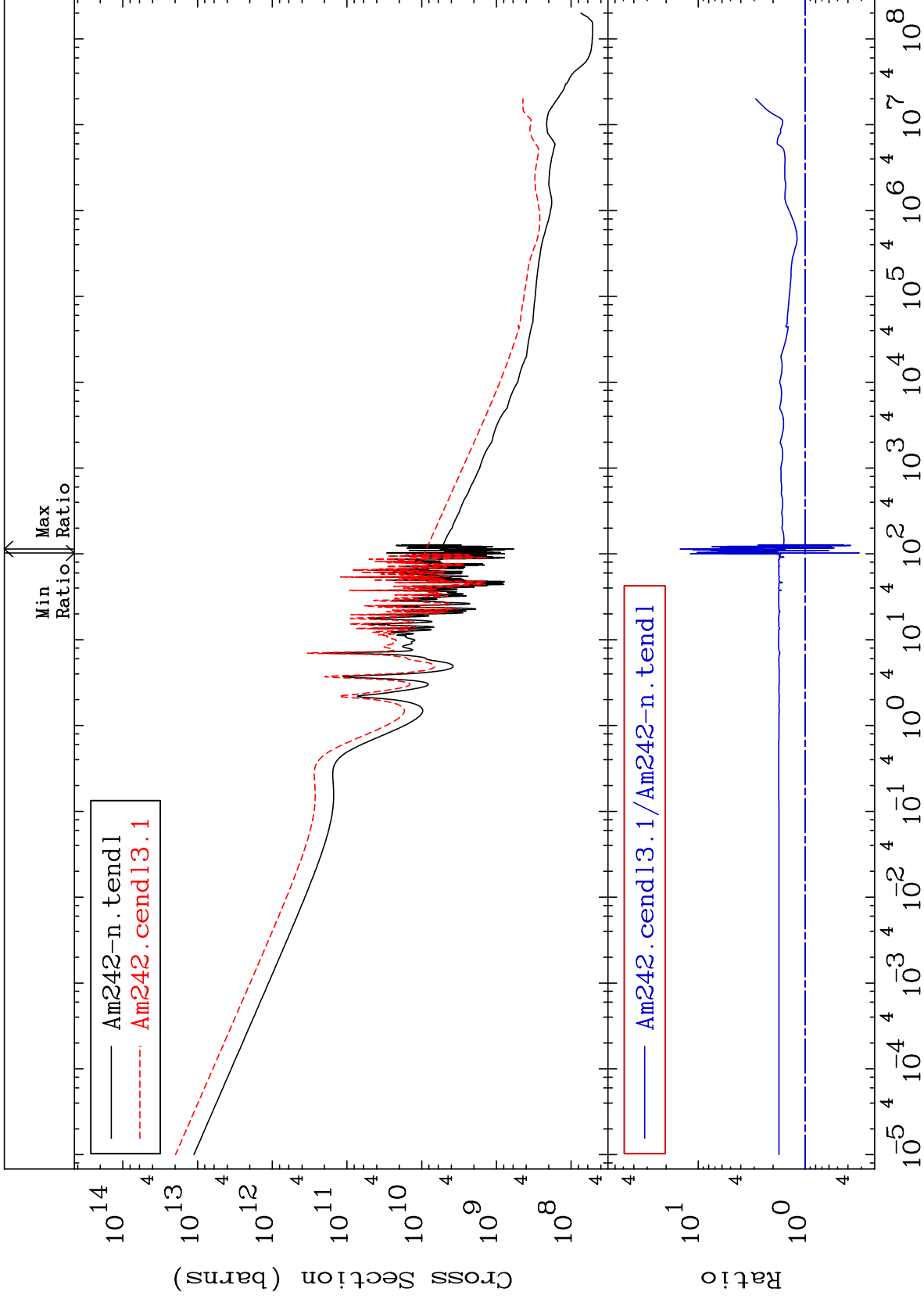
95-Am-242

MAT 9546

Total photon (eV-barns)
Cross Section

95-Am-242
-92.89 To 1549. %

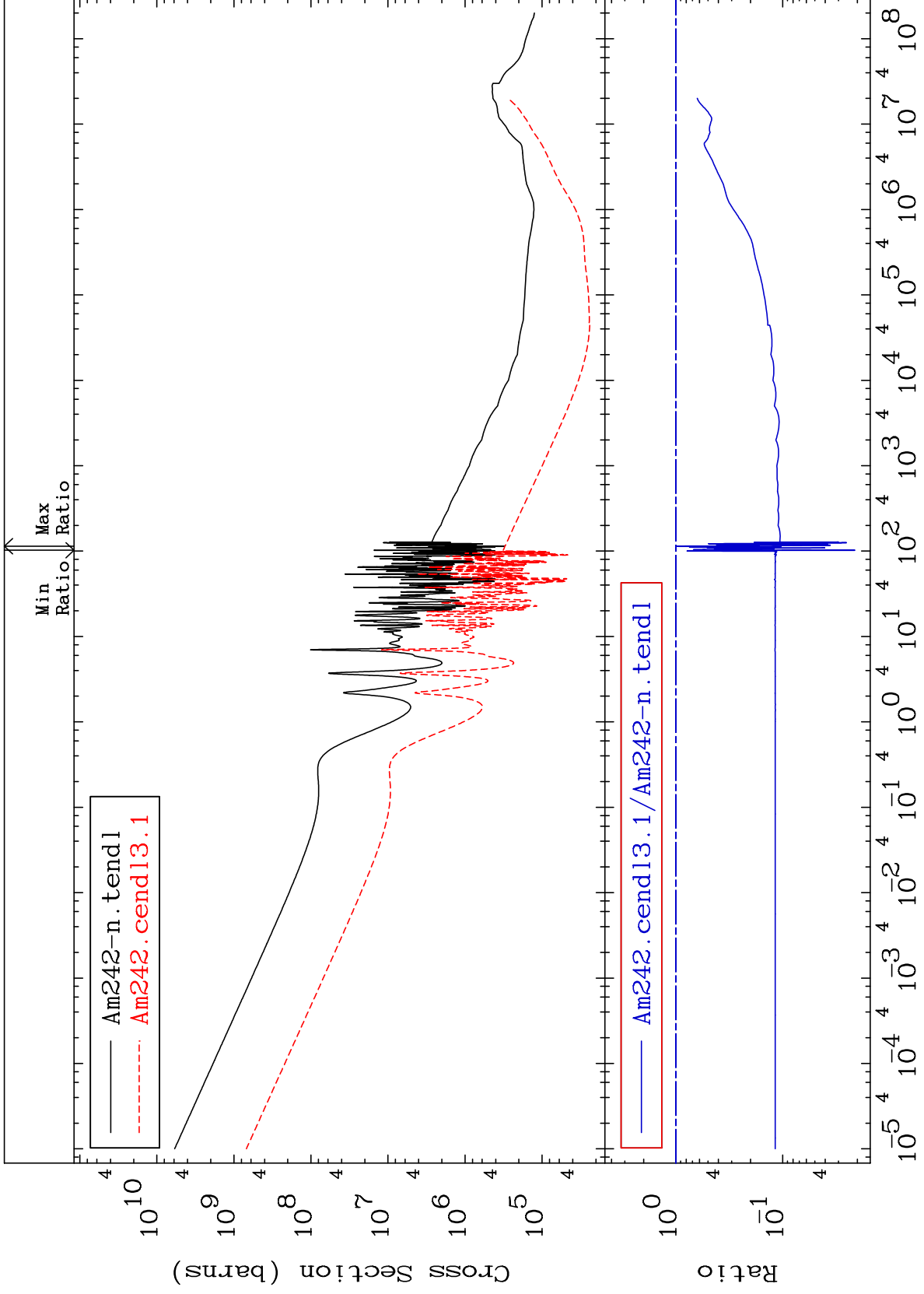




MAT 9546

Dpa total (eV-barns)
Cross Section

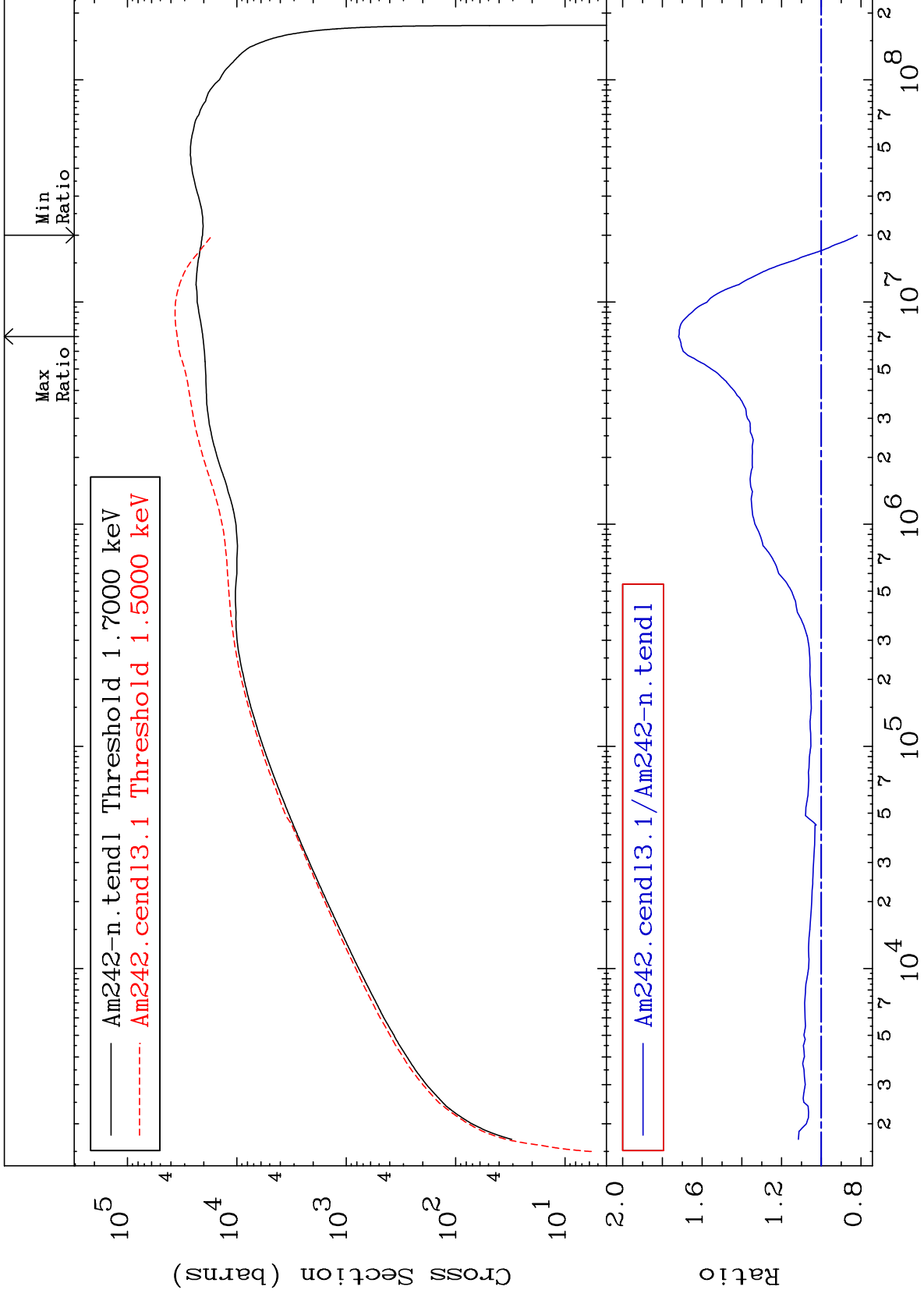
95-Am-242
-97.90 To -2.376%

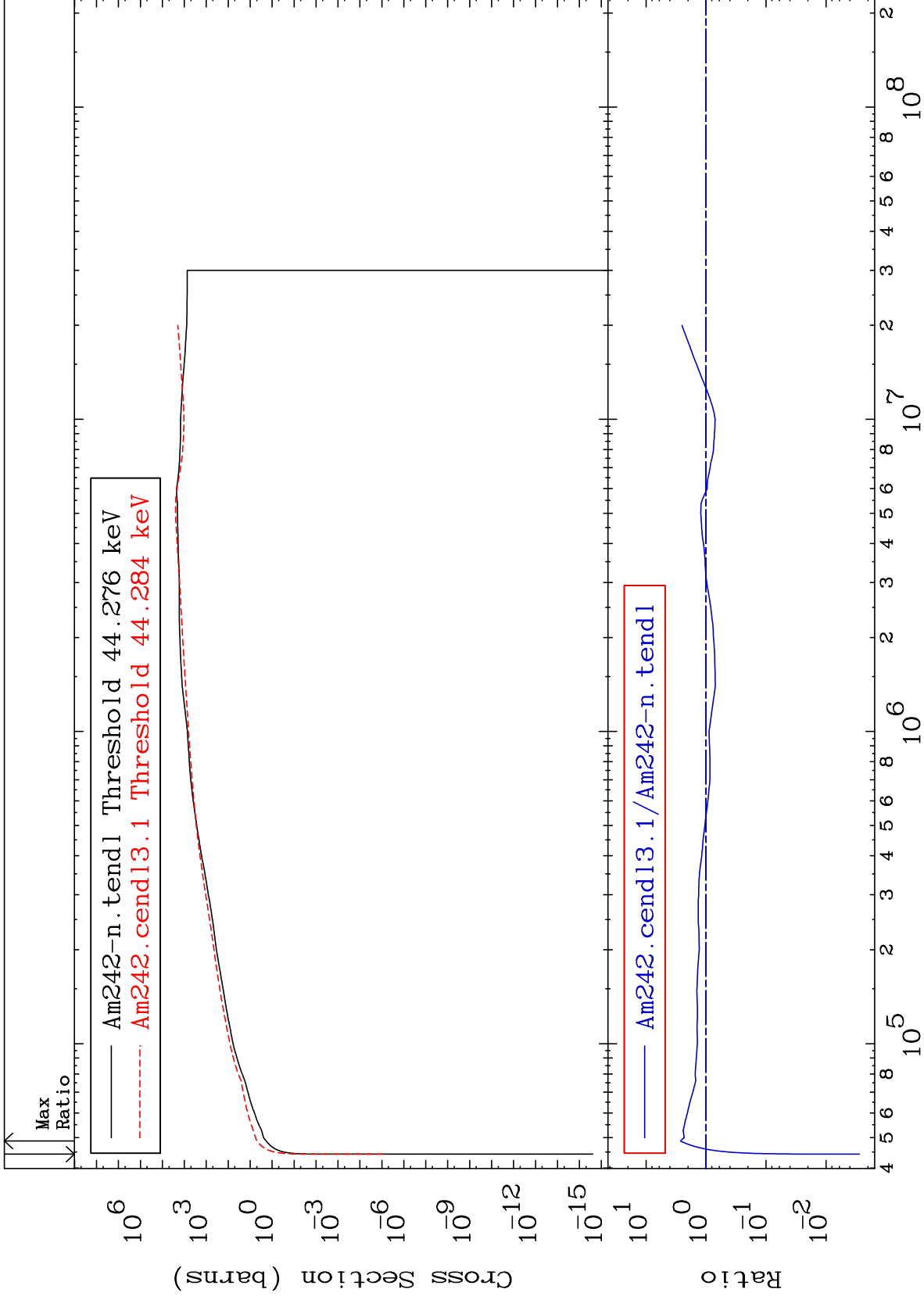


MAT 9546

Dpa elastic (mt2)
Cross Section

95-Am-242
-18.11 To 71.84 %

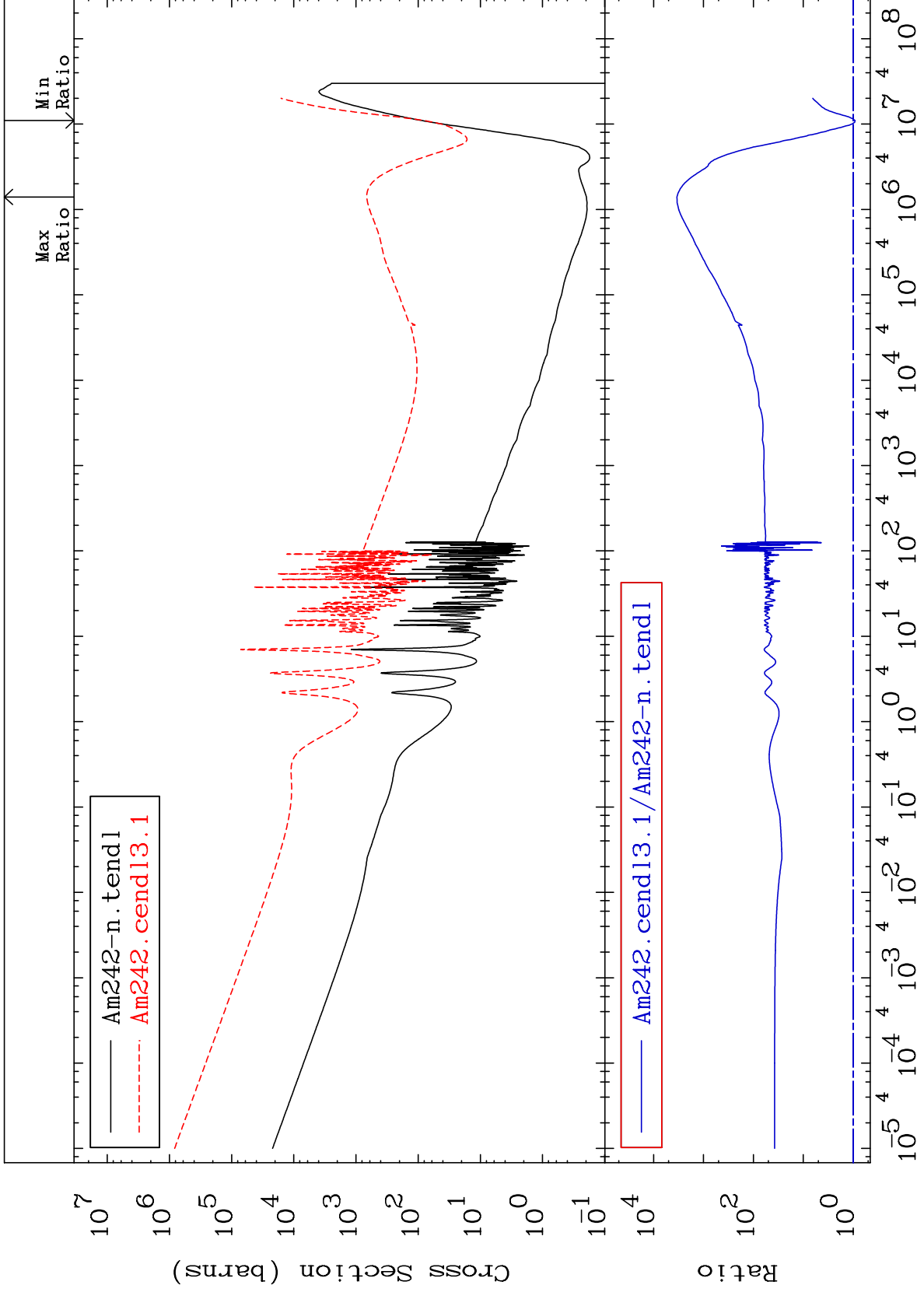




MAT 9546

Dpa disappearance (mt102 -120)
Cross Section

95-Am-242
-8.491 To 9999. %



57

Incident Energy (eV)

95-Am-242