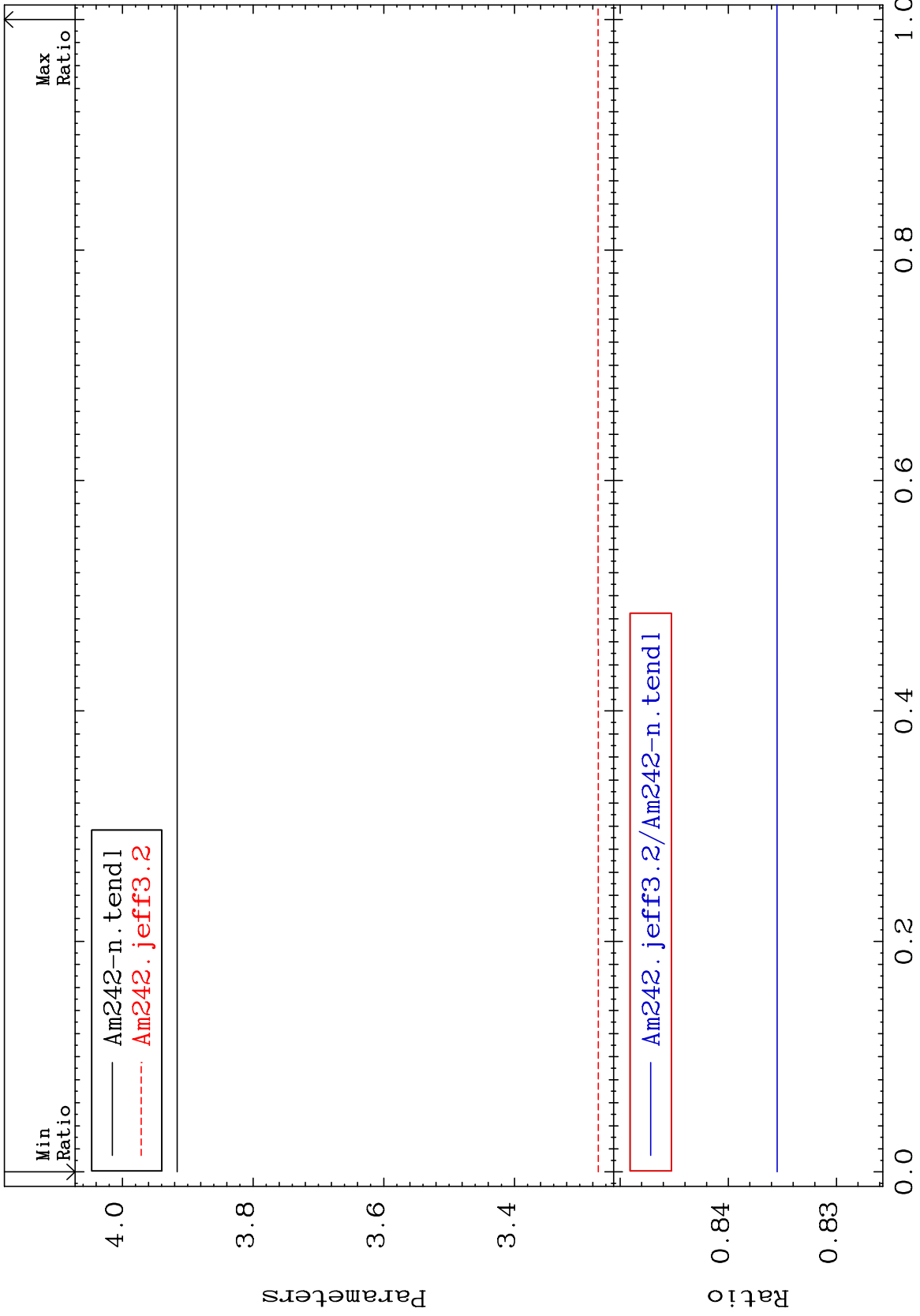


MAT 9546

Total $\bar{\nu}$
Parameters

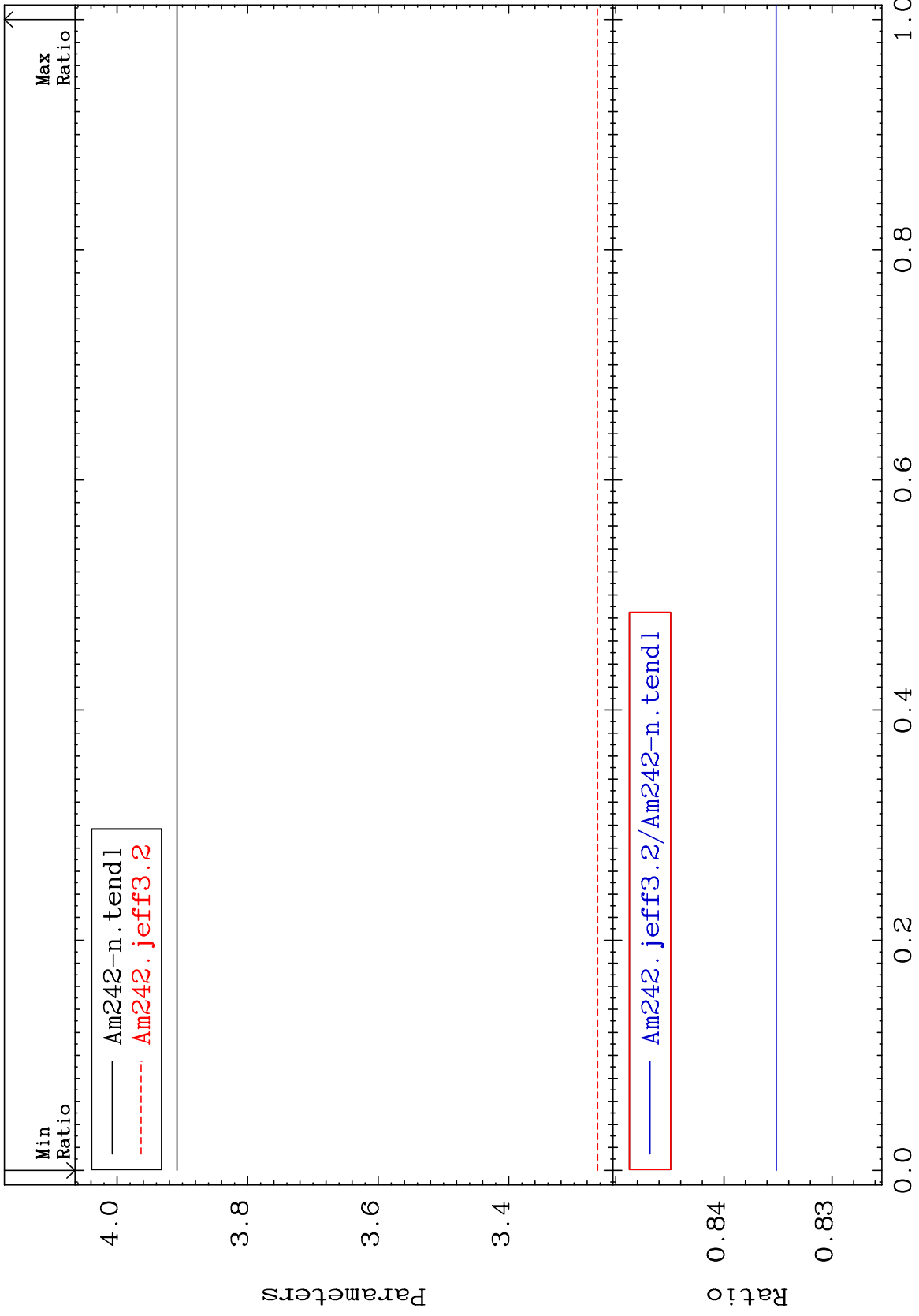
95-Am-242
-16.45 To -16.45%



MAT 9546

Prompt $\bar{\nu}$
Parameters

95-Am-242
-16.48 To -16.48%



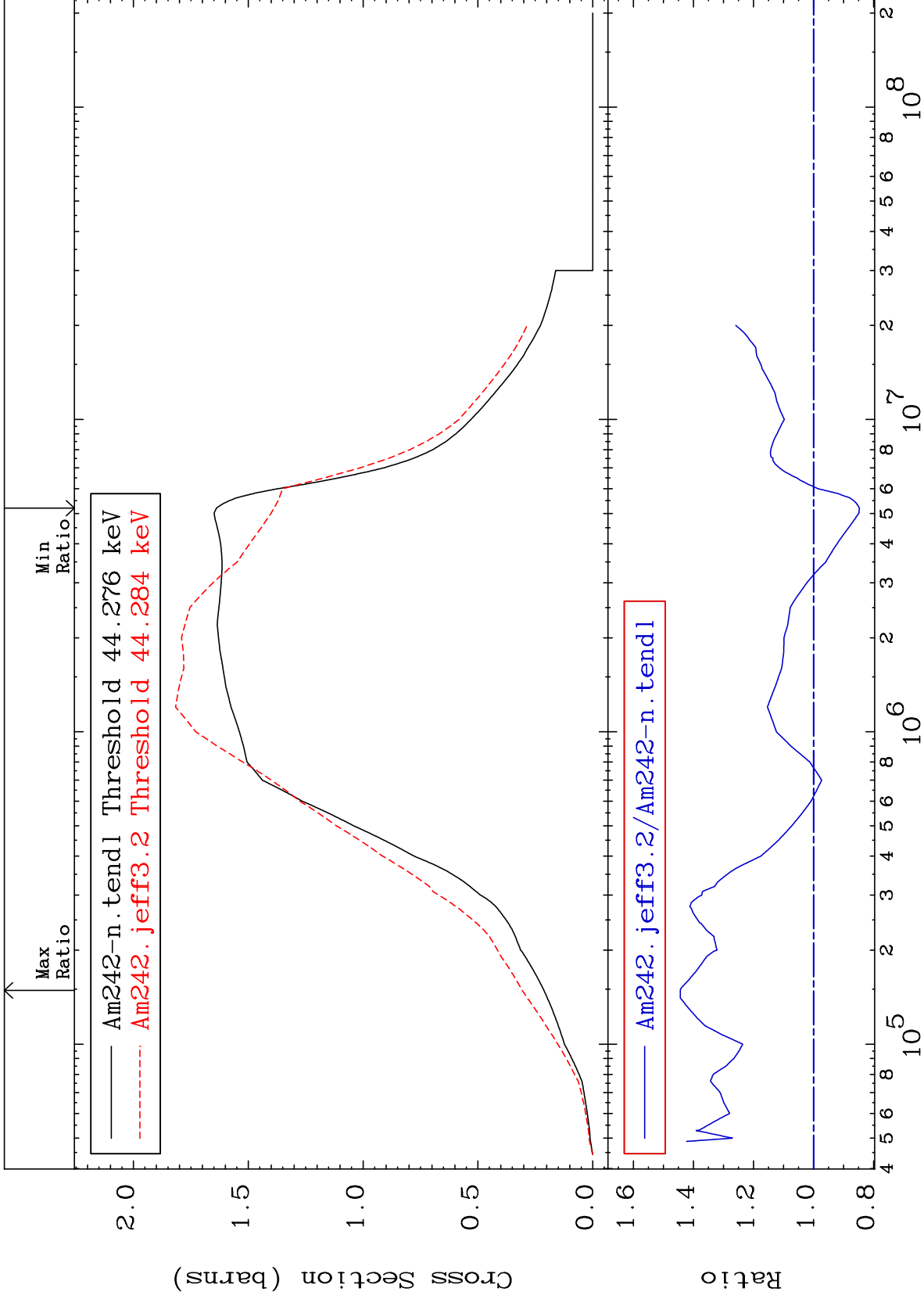
2

95-Am-242

MAT 9546

Inelastic
Cross Section

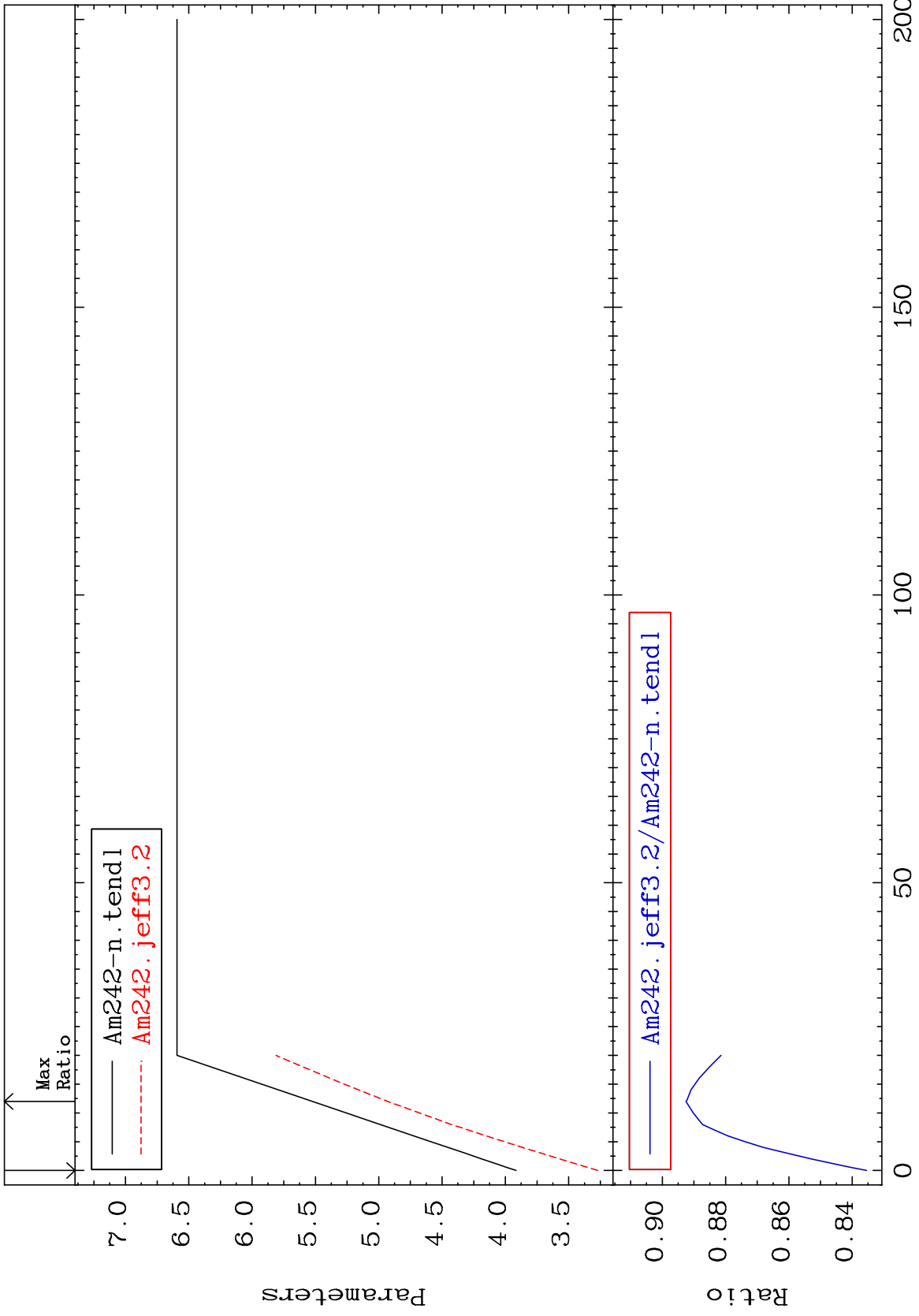
95-Am-242
-15.29 To 44.33 %



MAT 9546

Total $\bar{\nu}$
Parameters

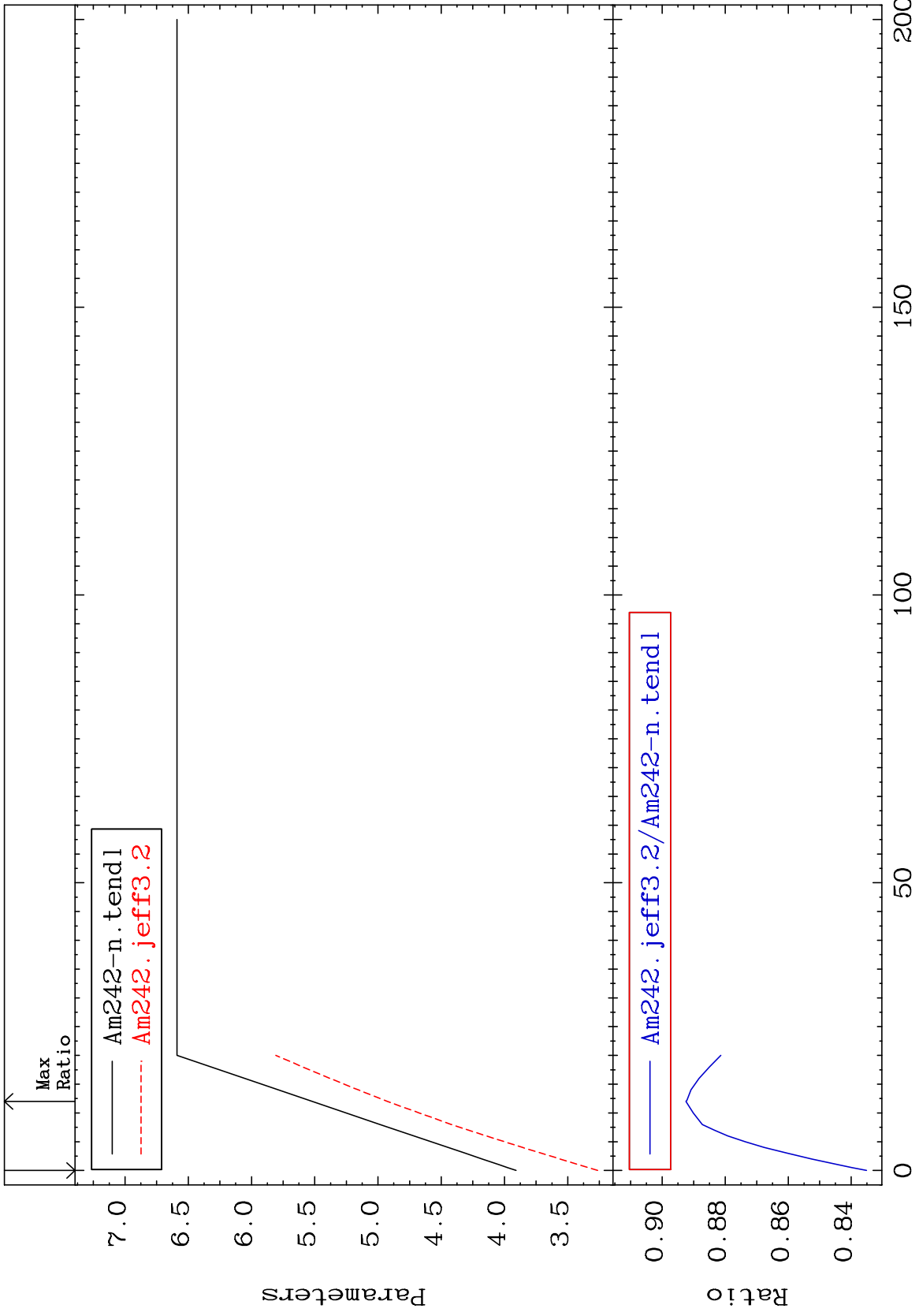
95-Am-242
-16.45 To -10.75%



MAT 9546

Prompt $\bar{\nu}$
Parameters

95-Am-242
-16.48 To -10.76%



2

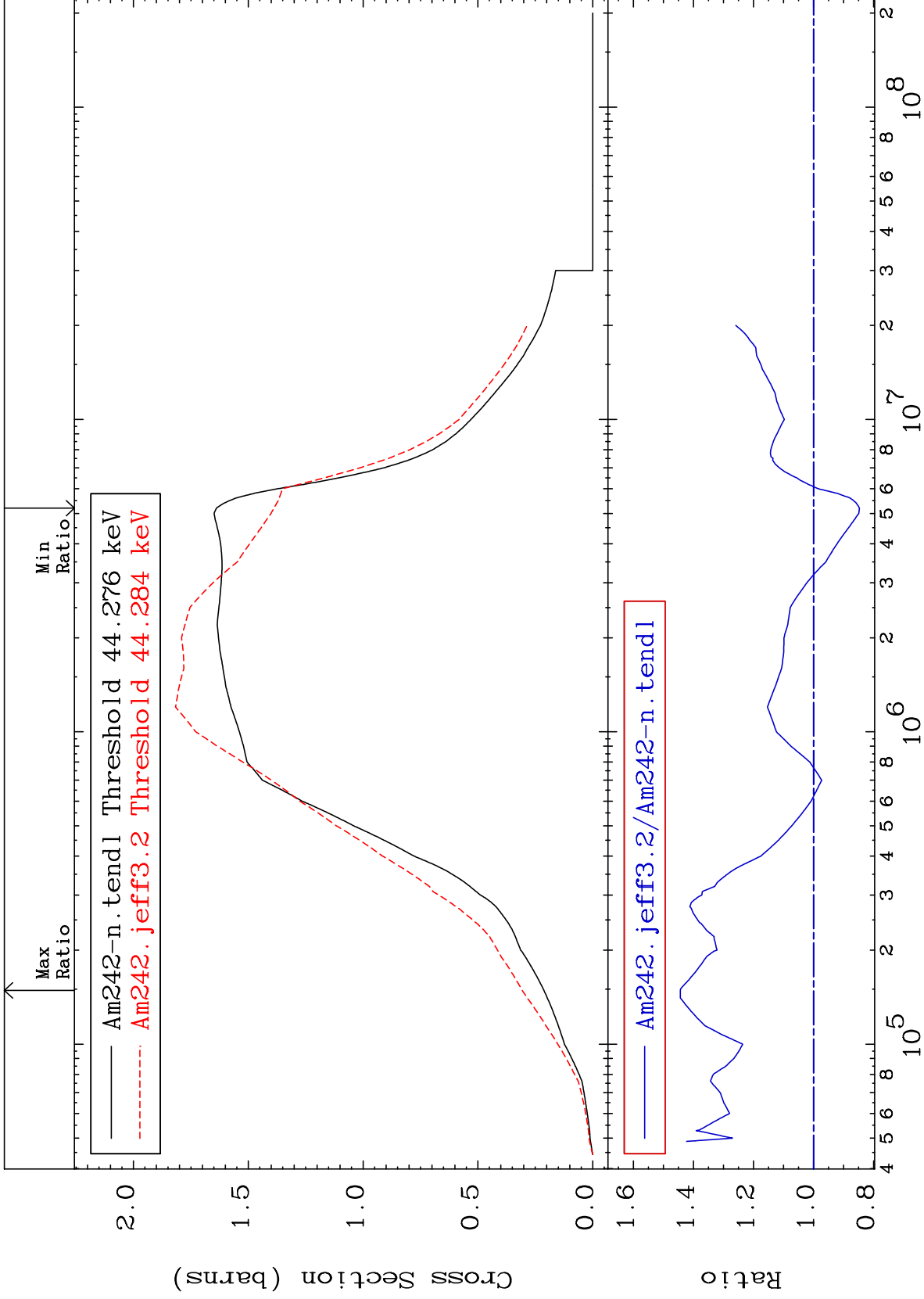
Incident Energy (MeV)

95-Am-242

MAT 9546

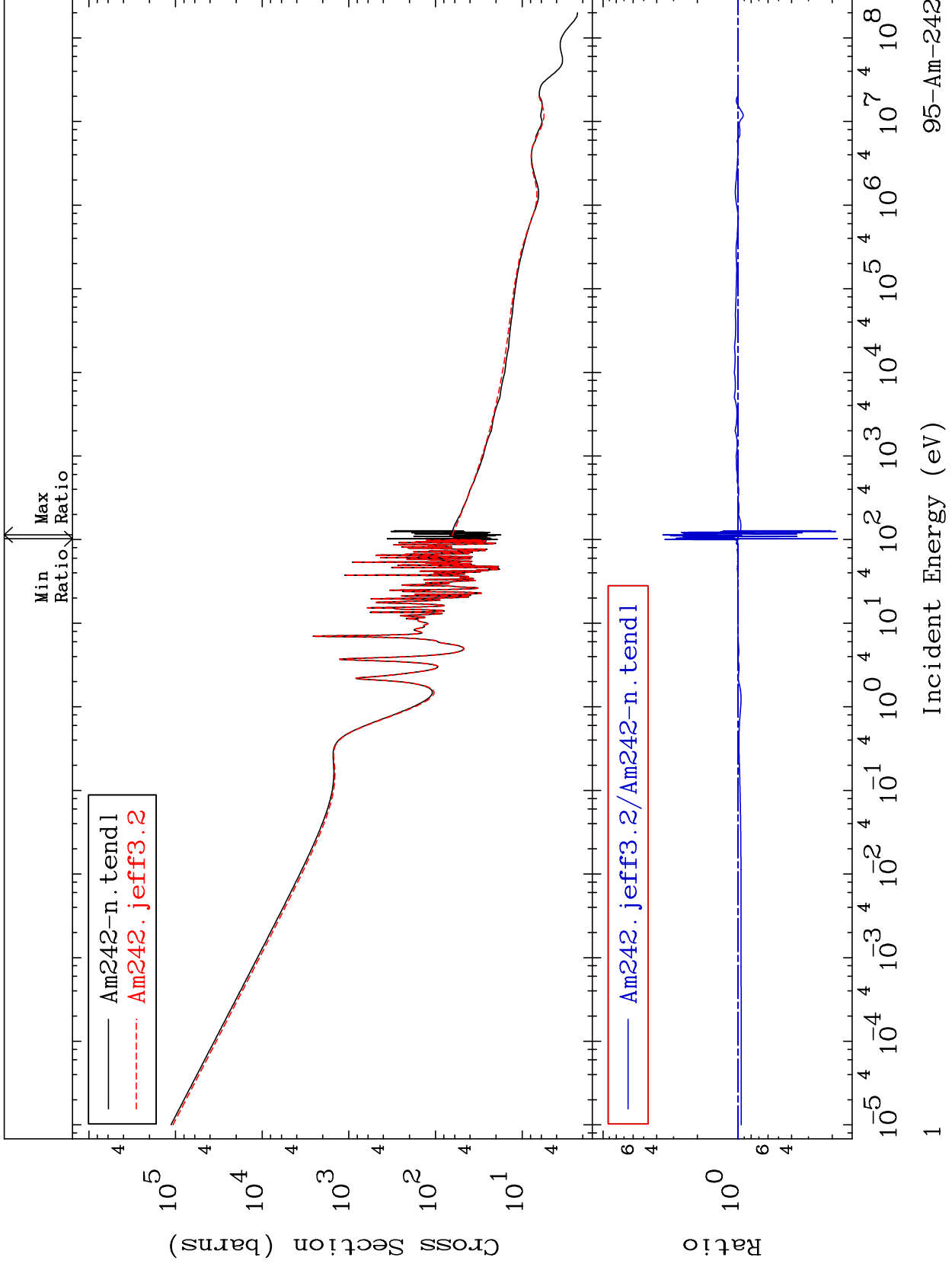
Inelastic
Cross Section

95-Am-242
-15.29 To 44.33 %



MAT 9546

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

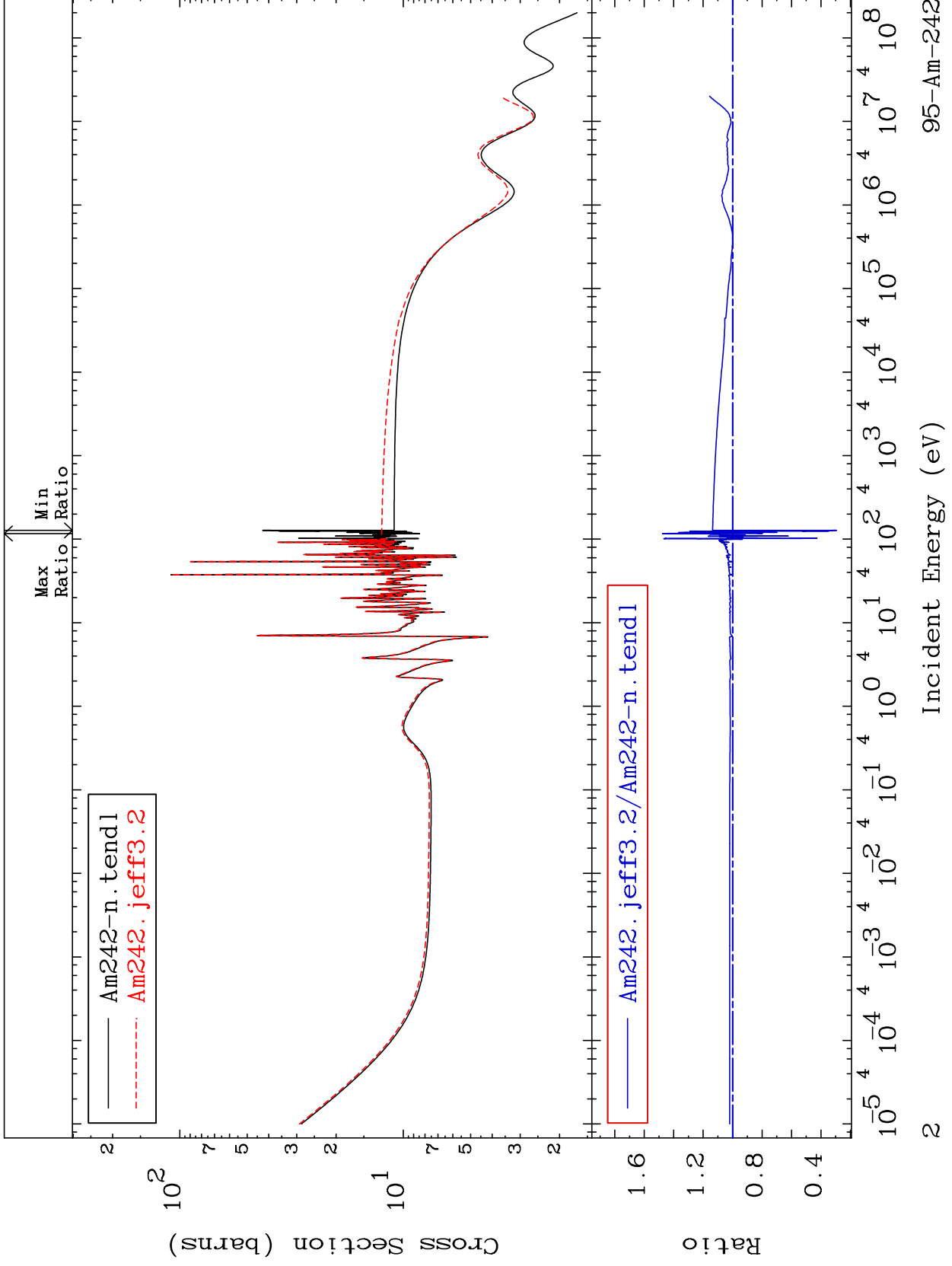


95-Am-242

MAT 9546

Elastic
Cross Section

95-Am-242
-70.65 To 47.74 %

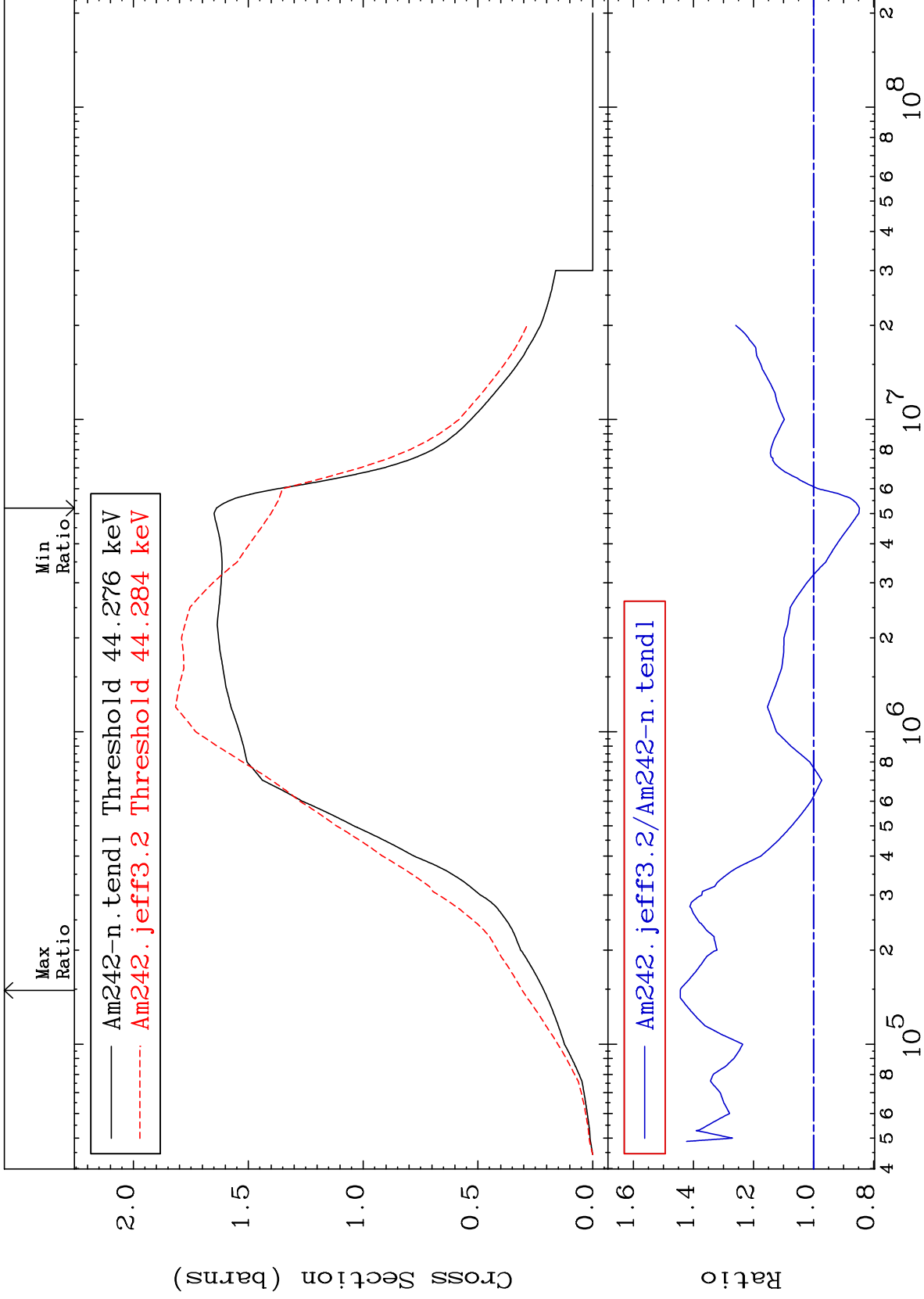


95-Am-242

MAT 9546

Inelastic
Cross Section

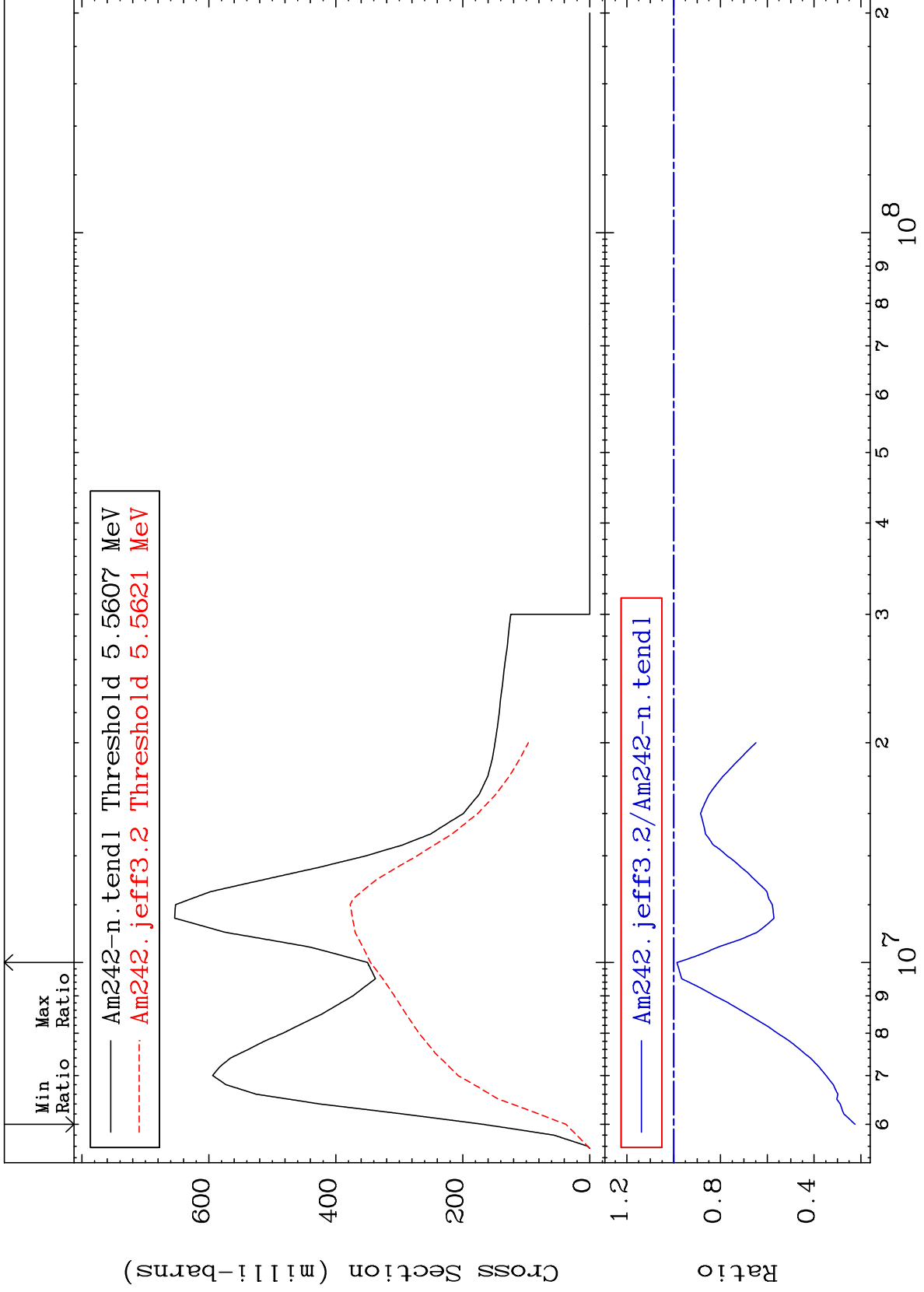
95-Am-242
-15.29 To 44.33 %



MAT 9546

(n,2n)
Cross Section

95-Am-242
-77.53 To -1.354%



4

Incident Energy (eV)

95-Am-242

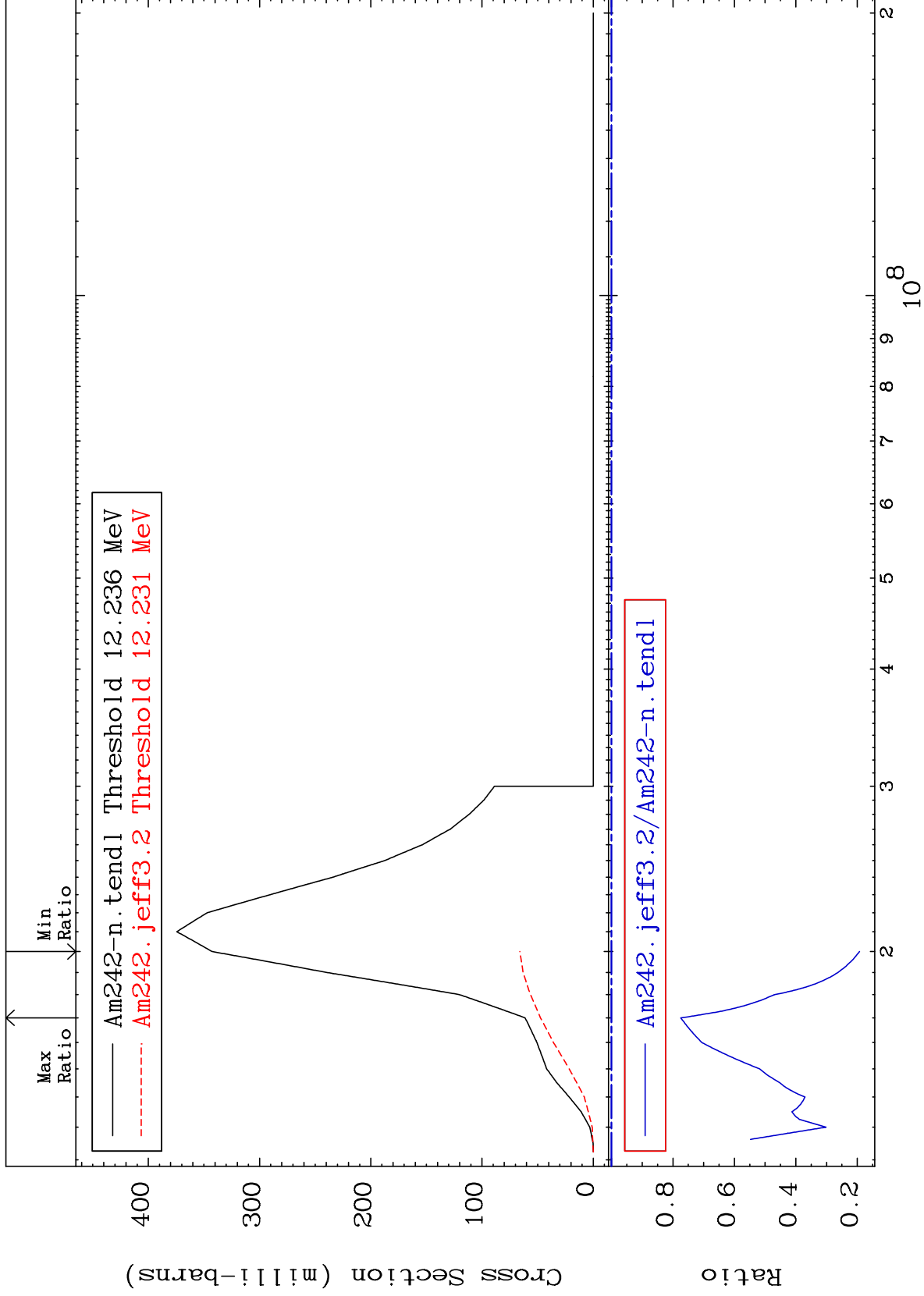
MAT 9546

(n,3n)

95-Am-242

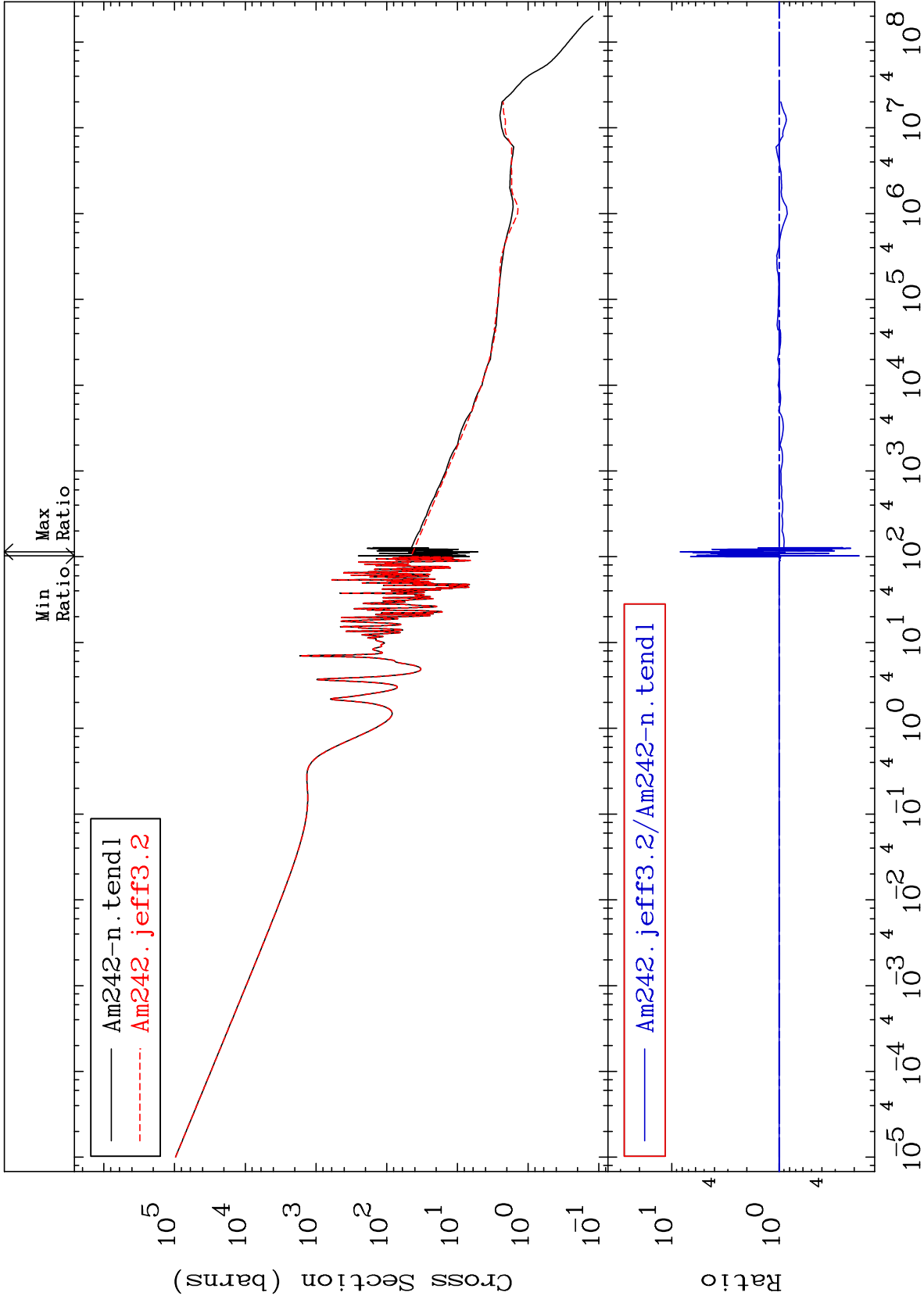
Cross Section

-80.73 To -22.55%



MAT 9546

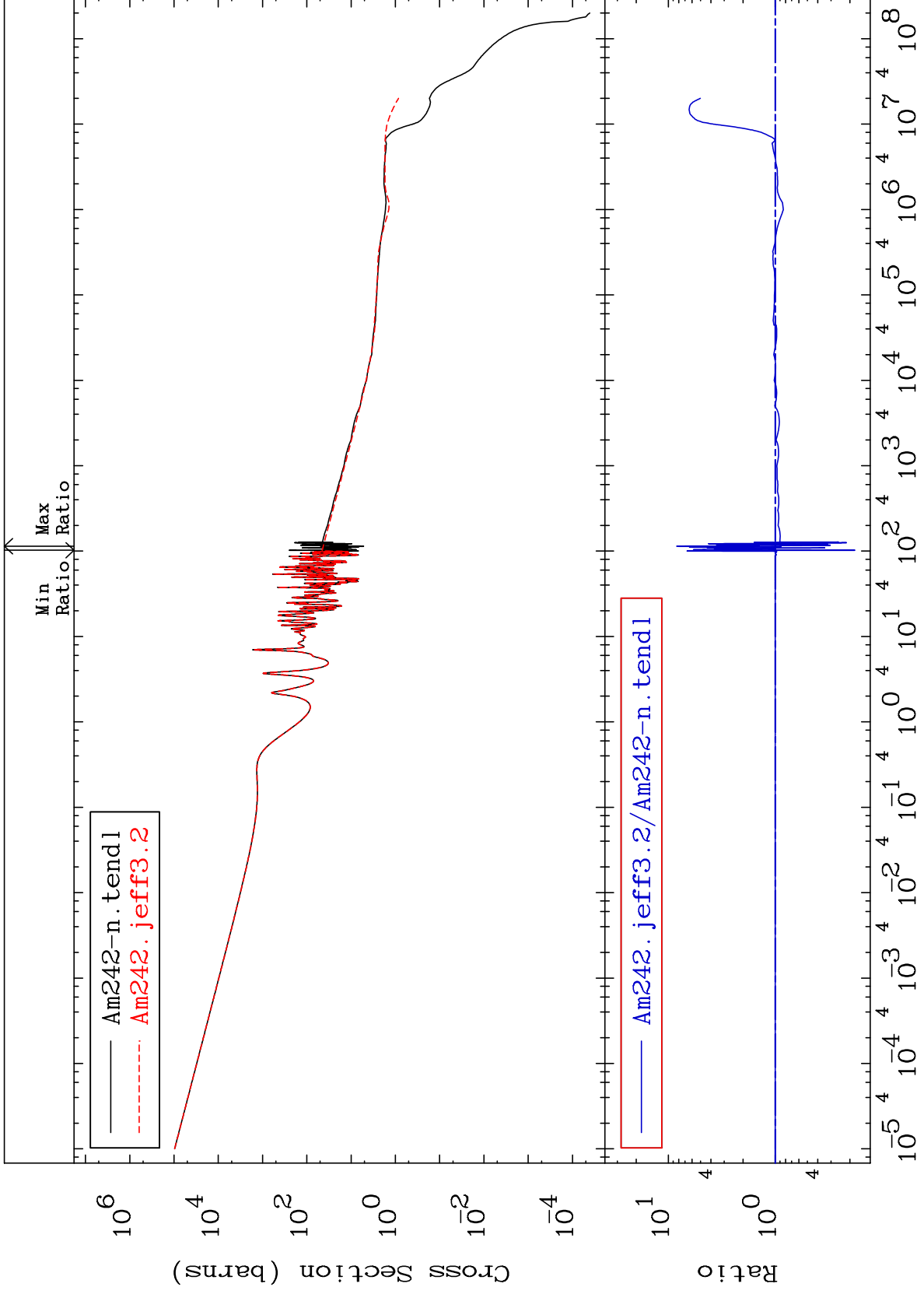
Fission Cross Section 95-Am-242
-82.15 To 731.0 %



MAT 9546

(n,f) First Chance
Cross Section

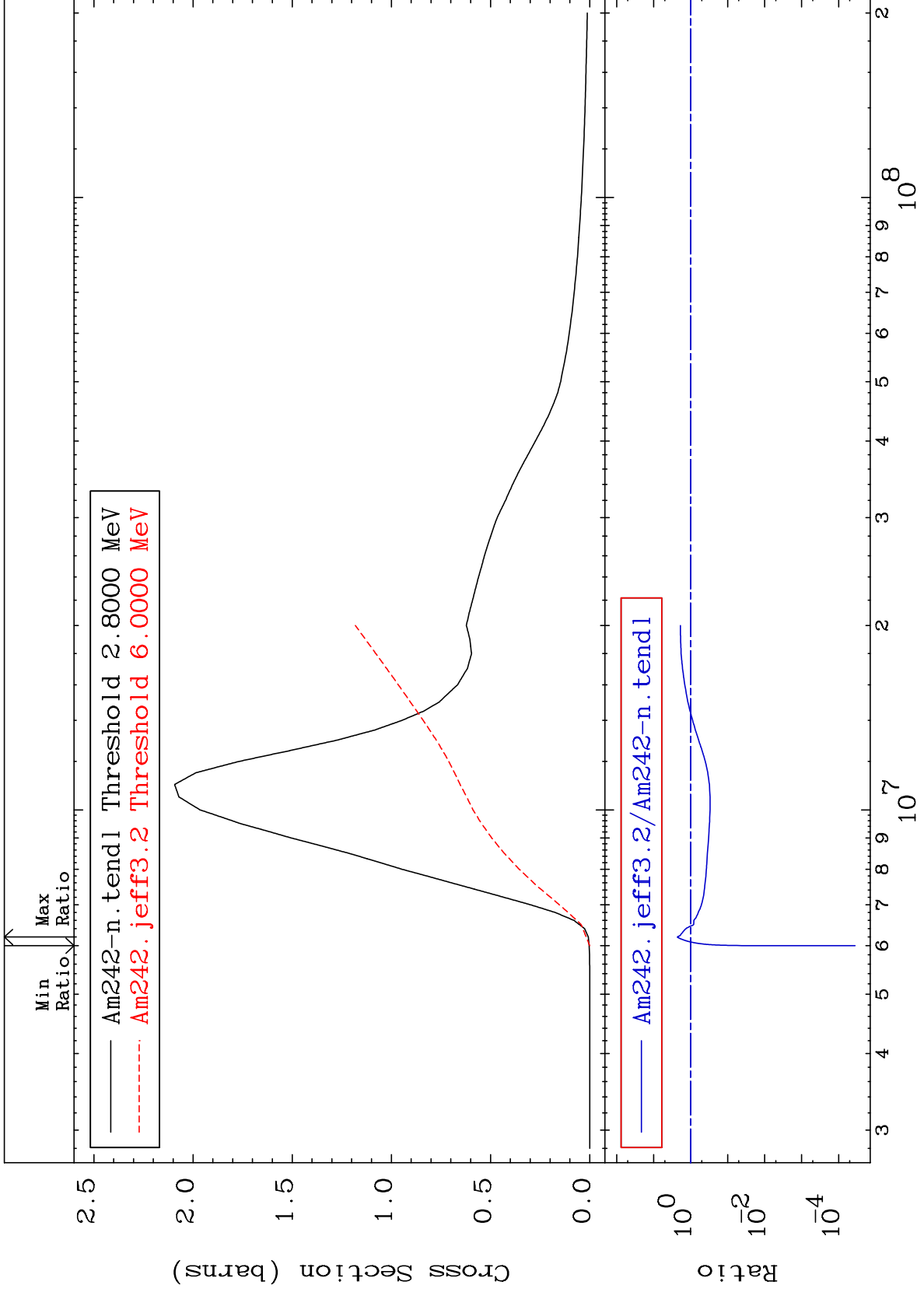
95-Am-242
-82.15 To 731.0 %



MAT 9546

(n, nf) Second Chance
Cross Section

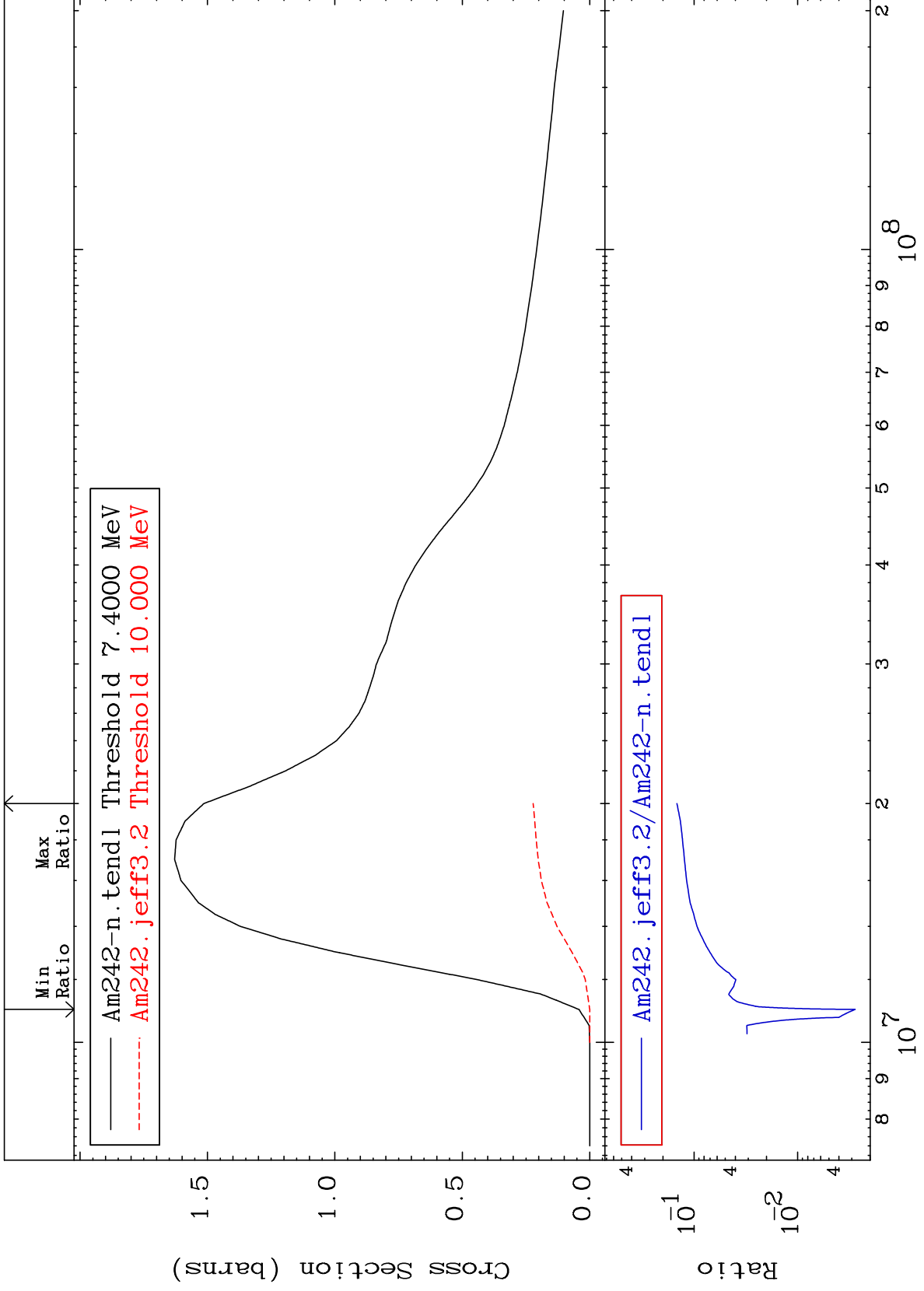
95-Am-242
-100.0 To 135.0 %



MAT 9546

(n,2nf) Third Chance
Cross Section

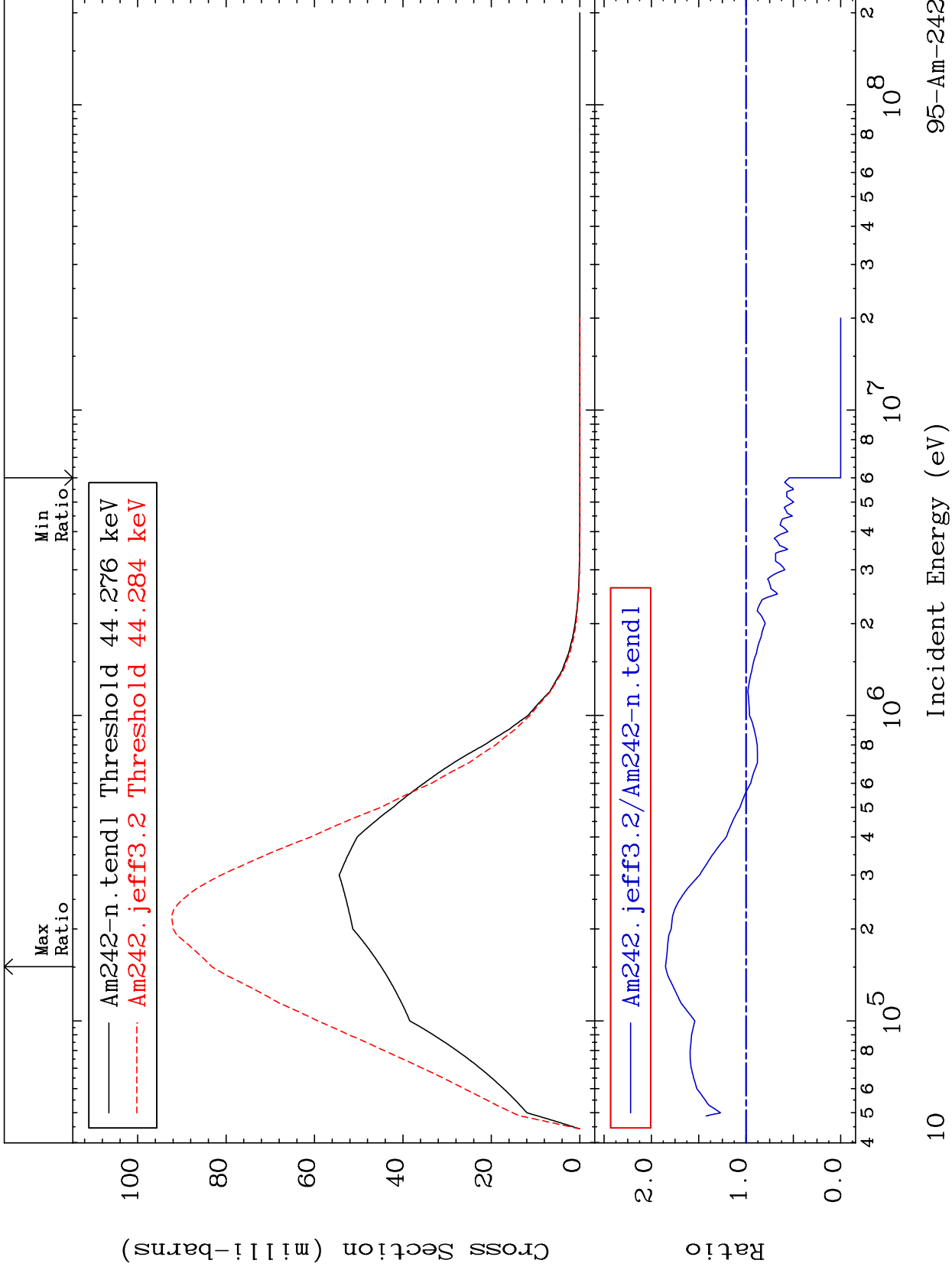
95-Am-242
-99.72 To -85.35%



MAT 9546

44.09 keV (n,n') Level
Cross Section

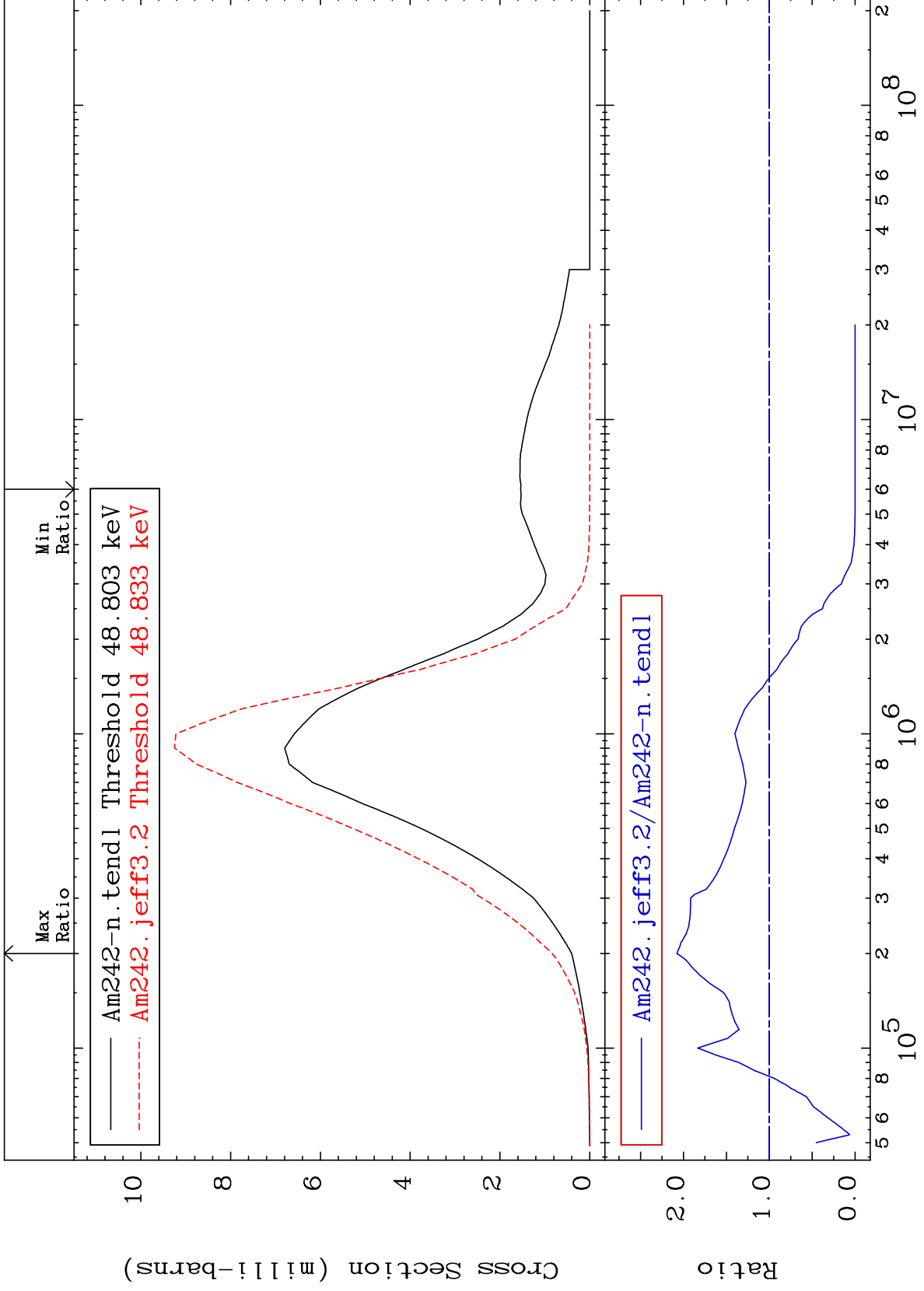
95-Am-242
-100.0 To 85.15 %



MAT 9546

48.60 keV (n,n') Level
Cross Section

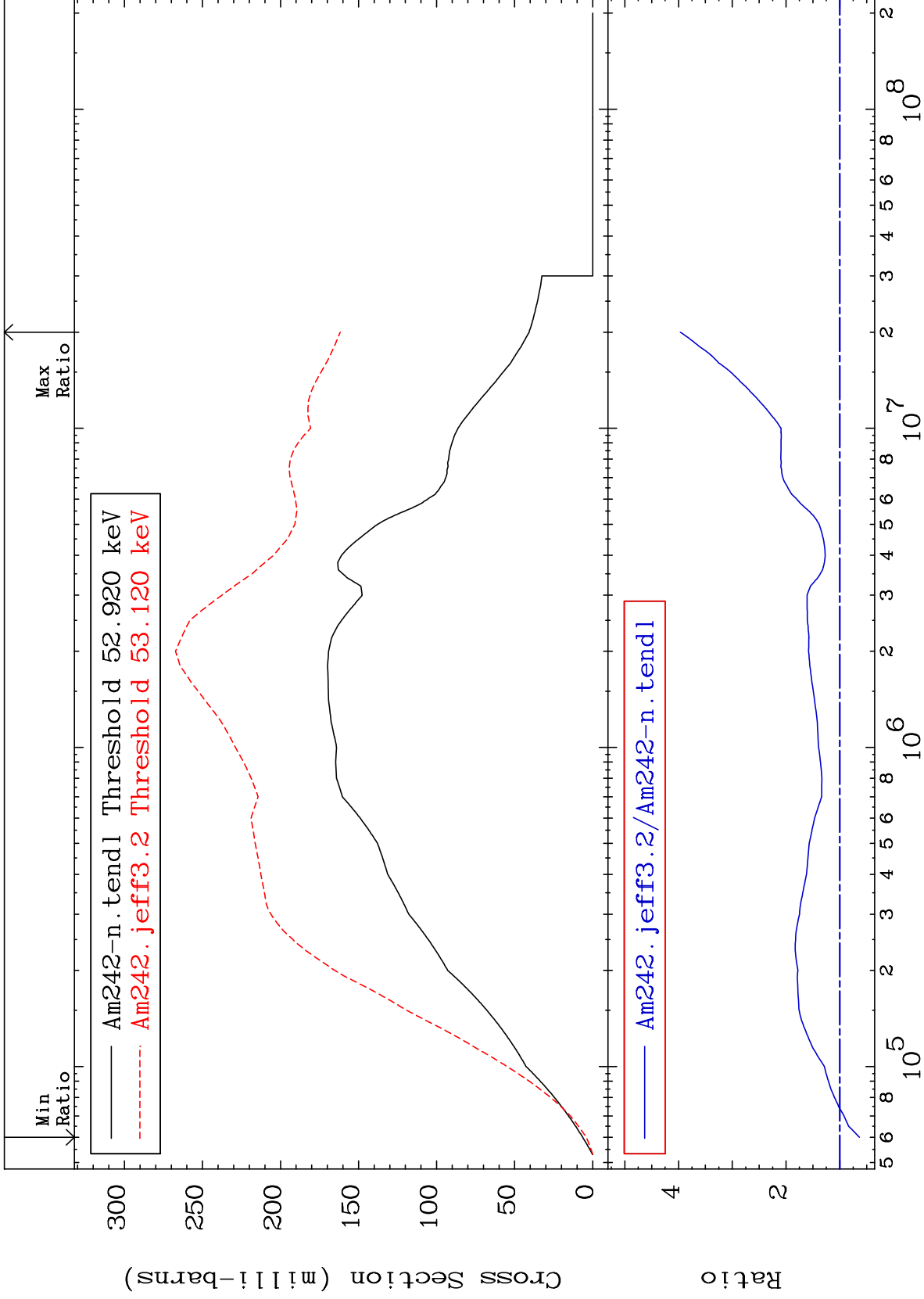
95-Am-242
-100.0 To 107.6 %



MAT 9546

52.70 keV (n,n') Level
Cross Section

95-Am-242
-36.56 To 296.6 %



12

Incident Energy (eV)

95-Am-242

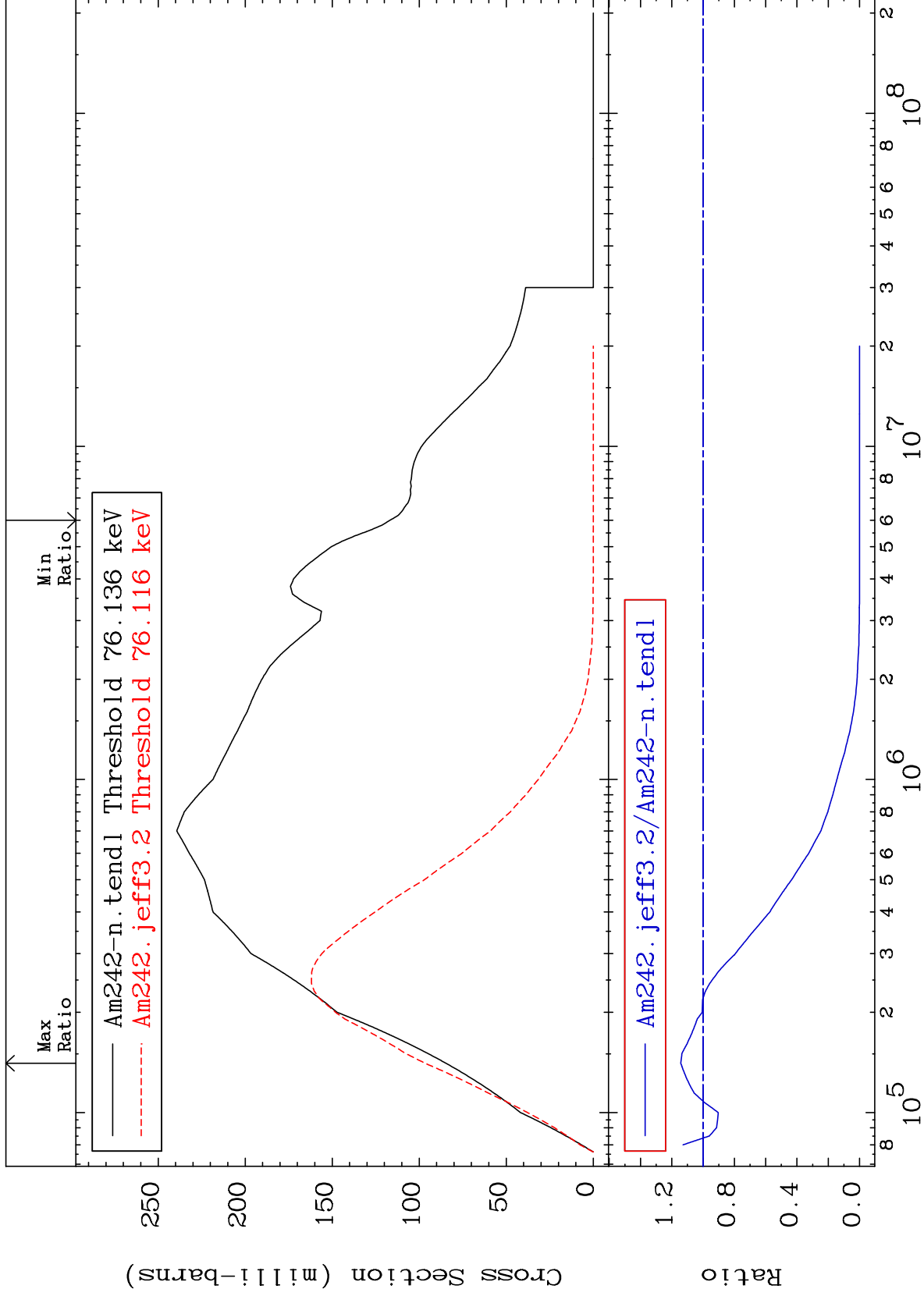
MAT 9546

75.82 keV (n,n') Level

95-Am-242

-100.0 To 14.25 %

Cross Section



13

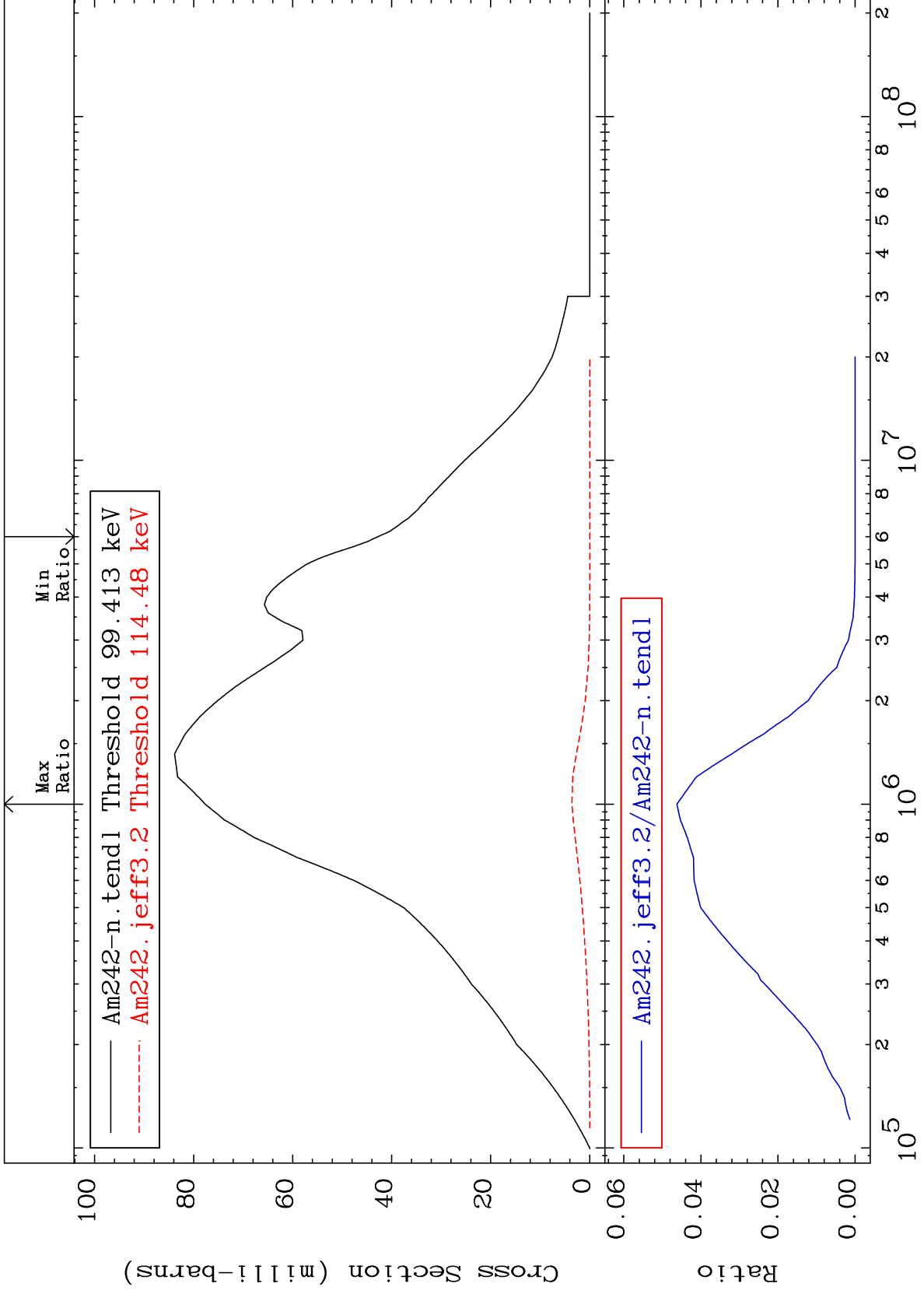
Incident Energy (eV)

95-Am-242

MAT 9546

99.00 keV (n,n') Level
Cross Section

95-Am-242
-100.0 To -95.38%



14

Incident Energy (eV)

95-Am-242

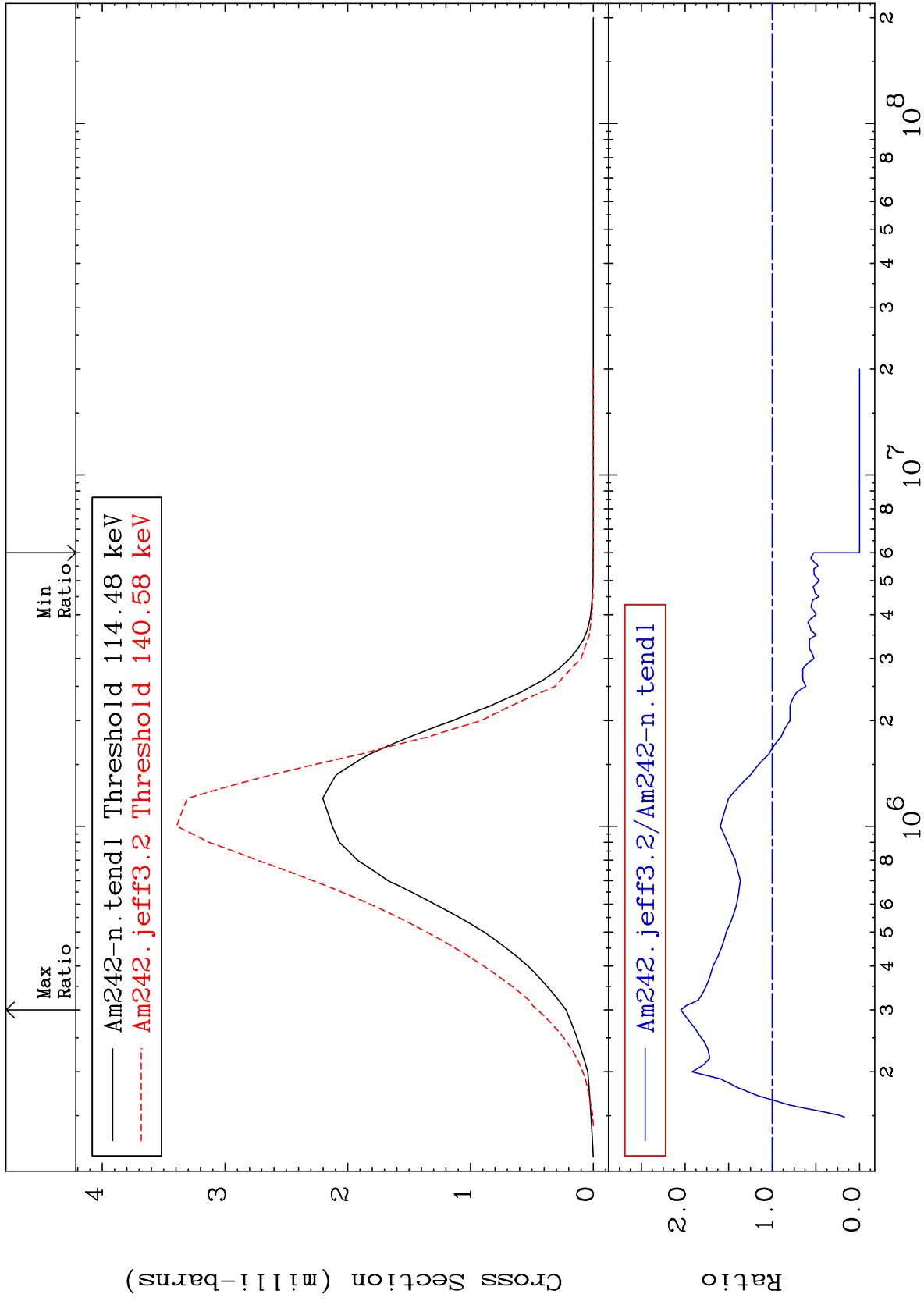
MAT 9546

114.0 keV (n,n') Level

95-Am-242

-100.0 To 104.8 %

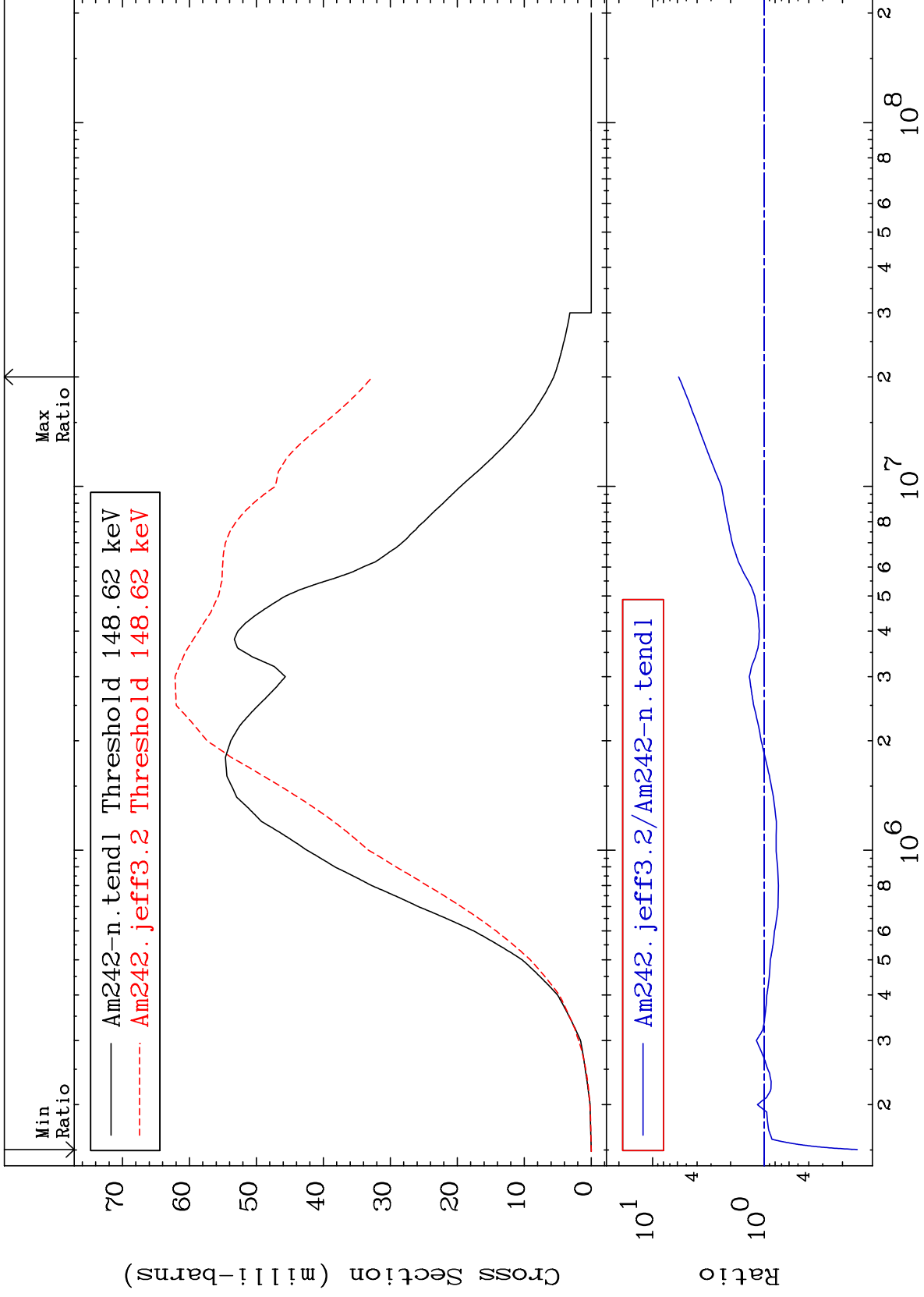
Cross Section



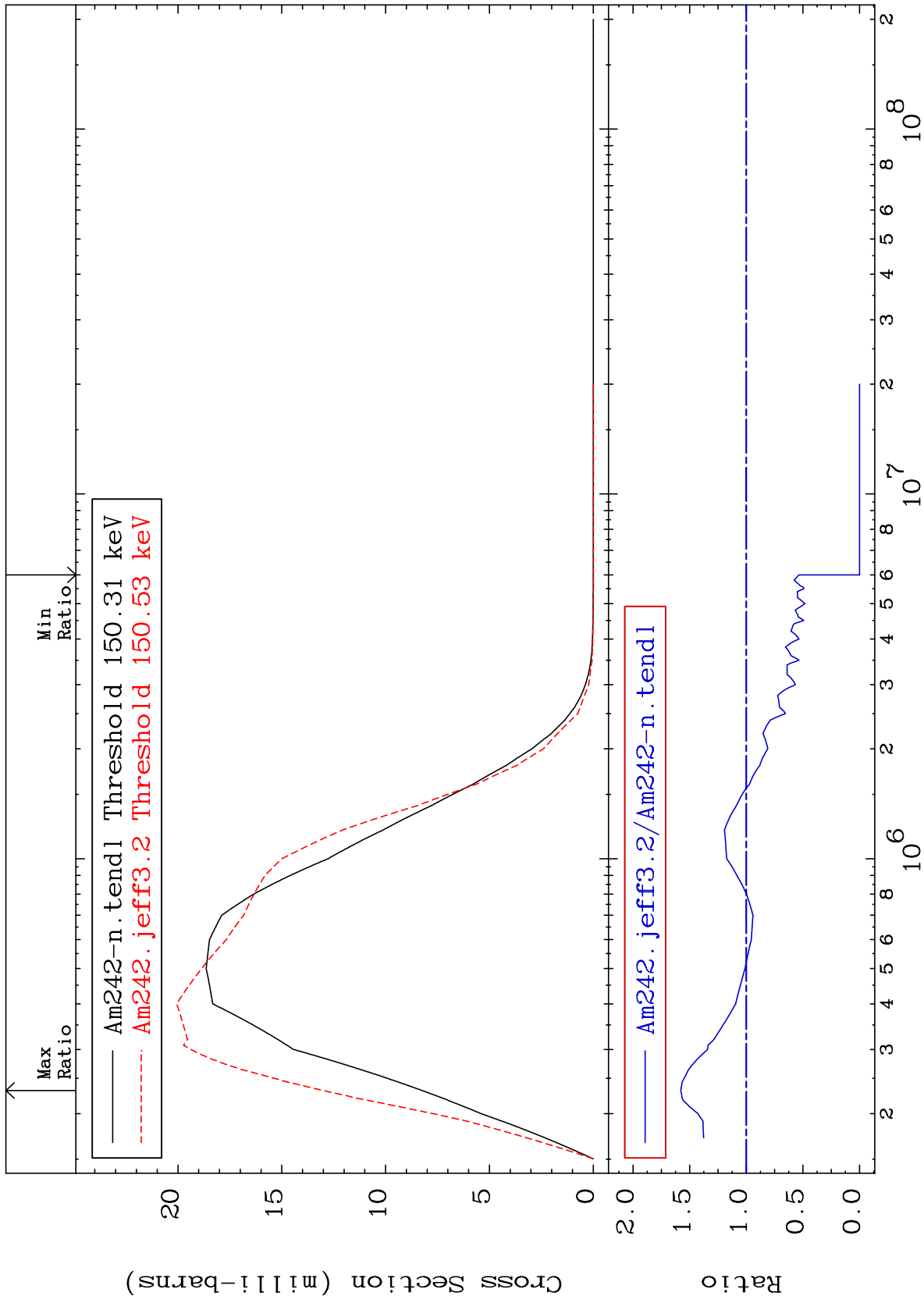
MAT 9546

148.0 keV (n,n') Level
Cross Section

95-Am-242
-85.27 To 484.5 %



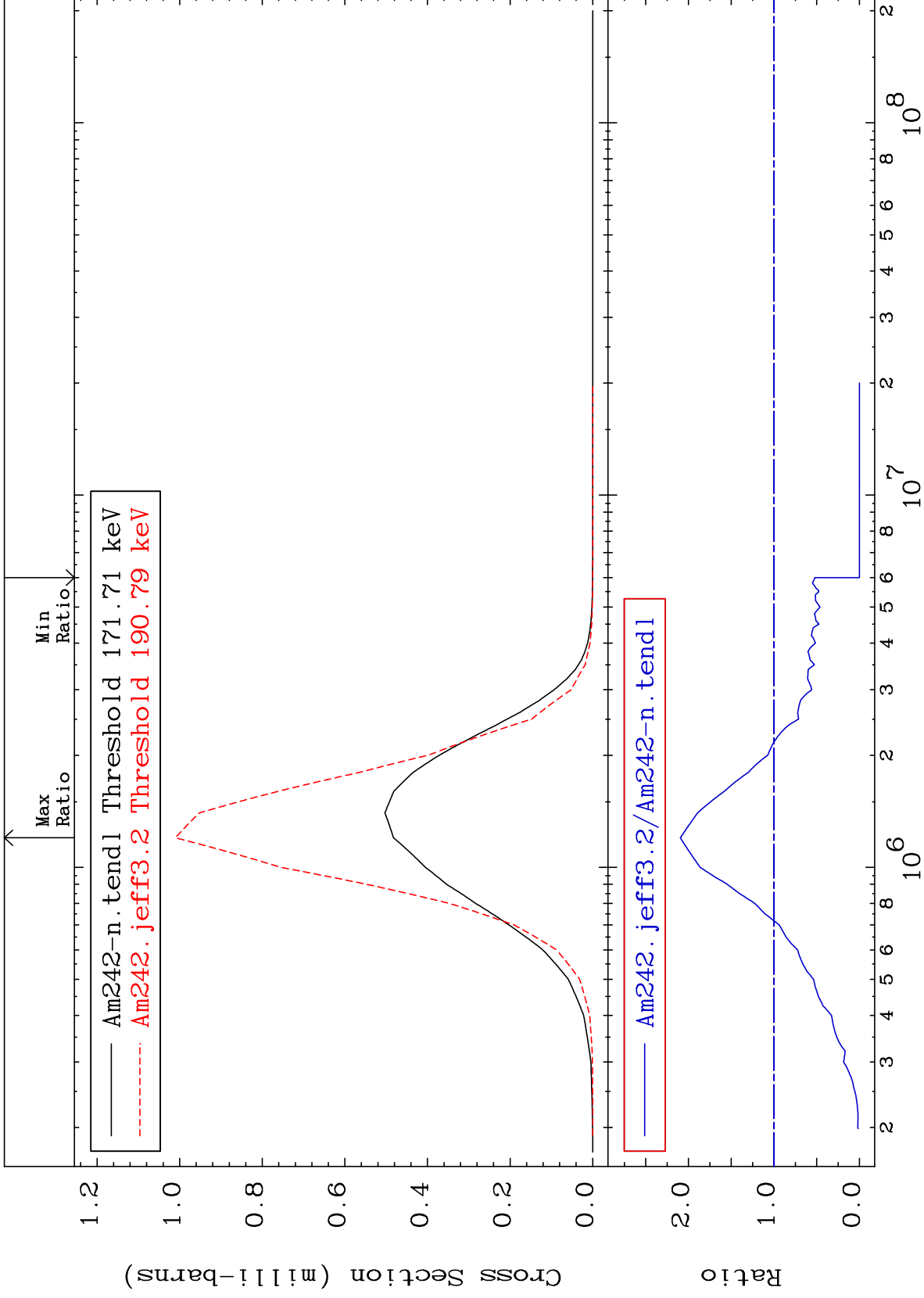
MAT 9546 149.7 keV (n,n') Level 95-Am-242
 Cross Section -100.0 To 57.90 %



MAT 9546

171.0 keV (n,n') Level
Cross Section

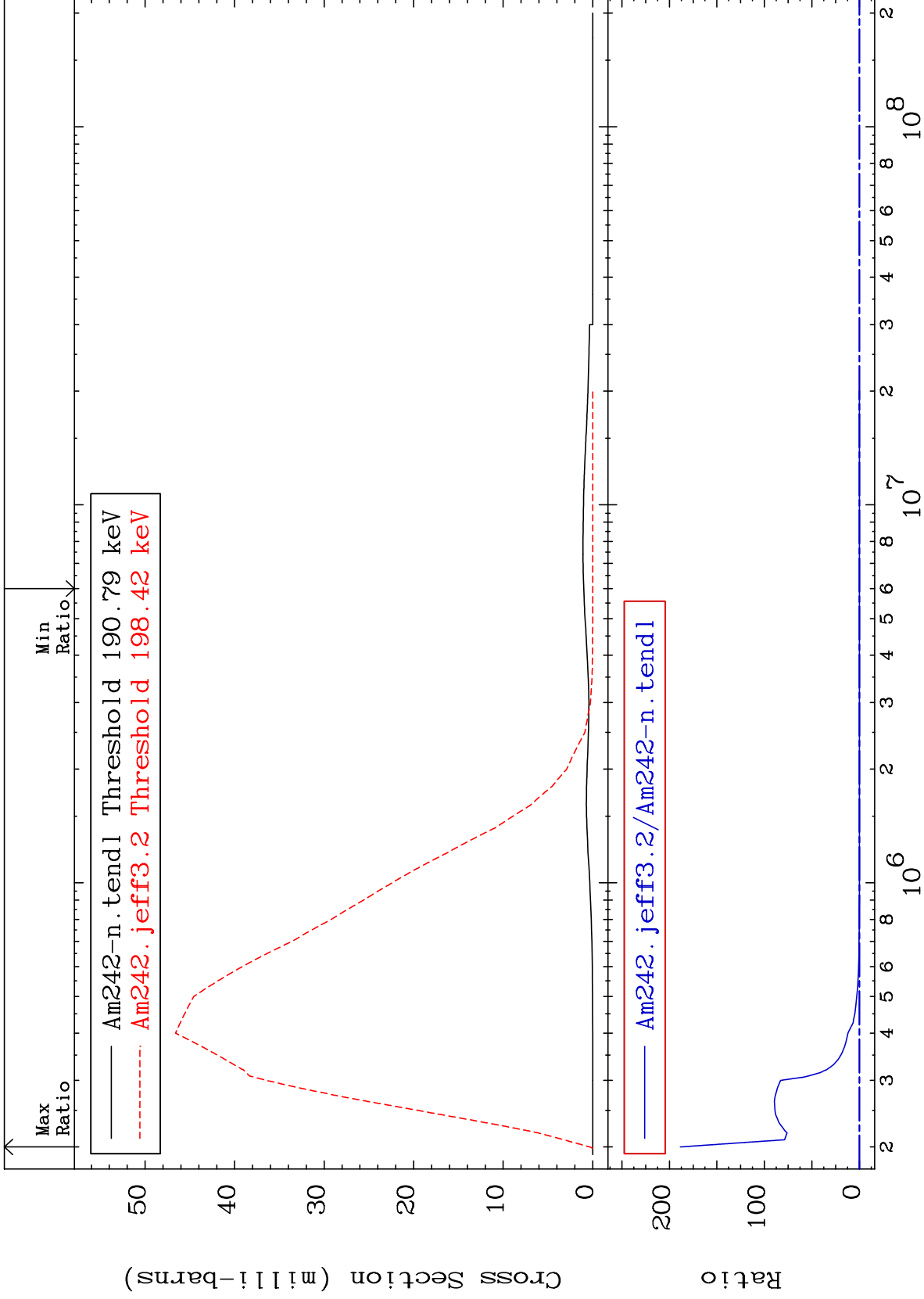
95-Am-242
-100.0 To 109.5 %



MAT 9546

190.0 keV (n,n') Level
Cross Section

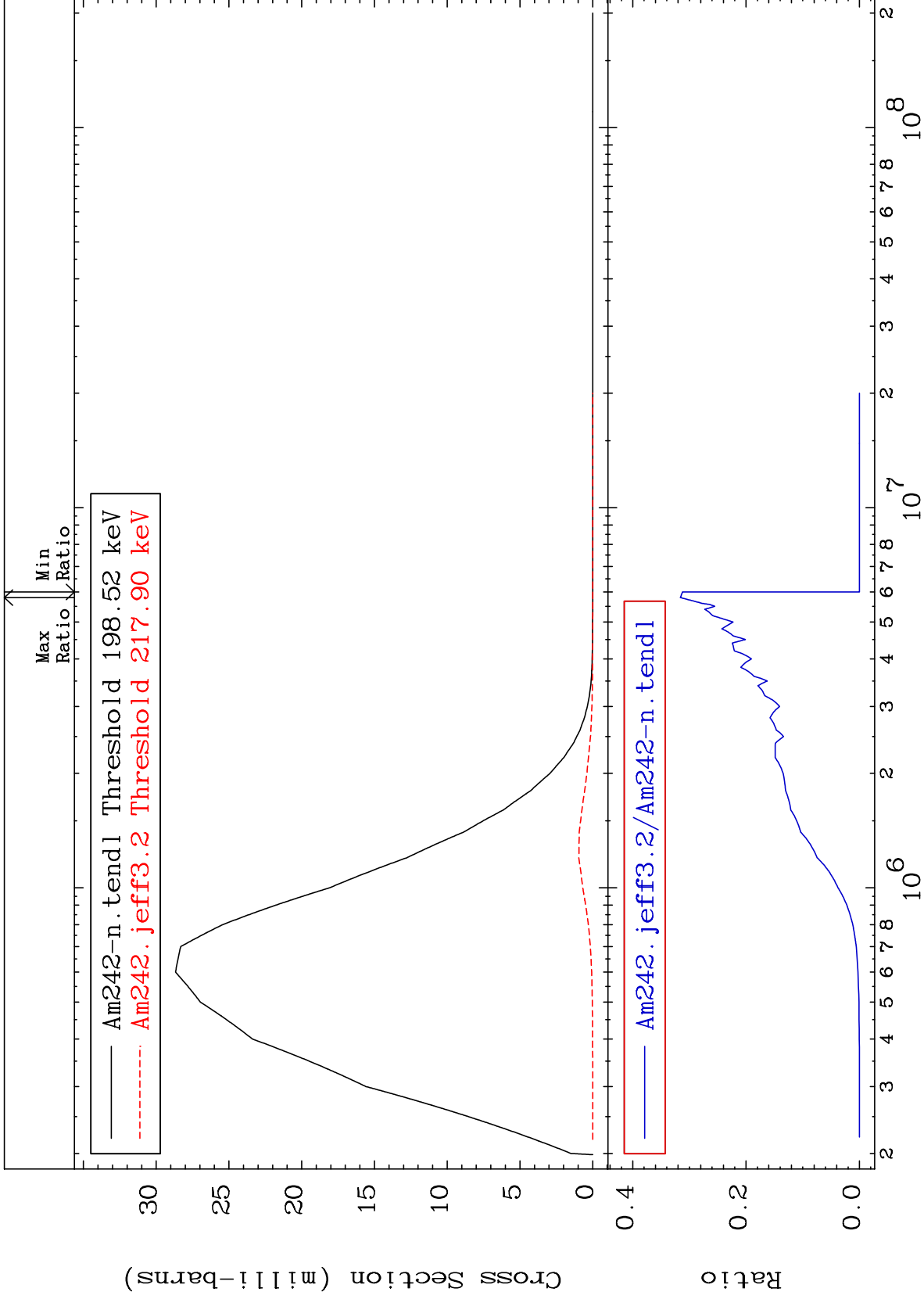
95-Am-242
-100.0 To 9999. %



MAT 9546

197.7 keV (n,n') Level
Cross Section

95-Am-242
-100.0 To -68.40%



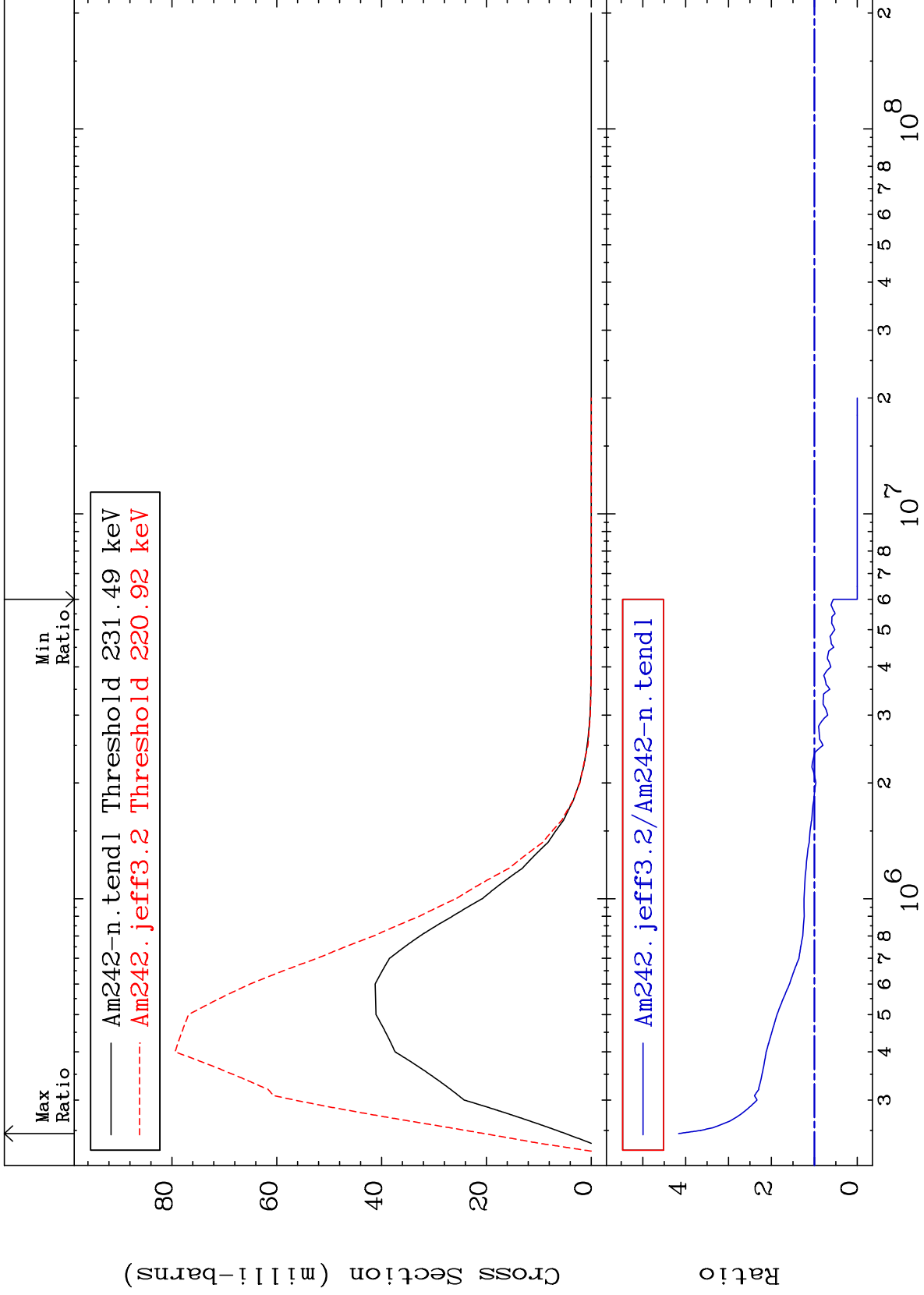
20

95-Am-242

MAT 9546

230.5 keV (n,n') Level
Cross Section

95-Am-242
-100.0 To 316.3 %



21

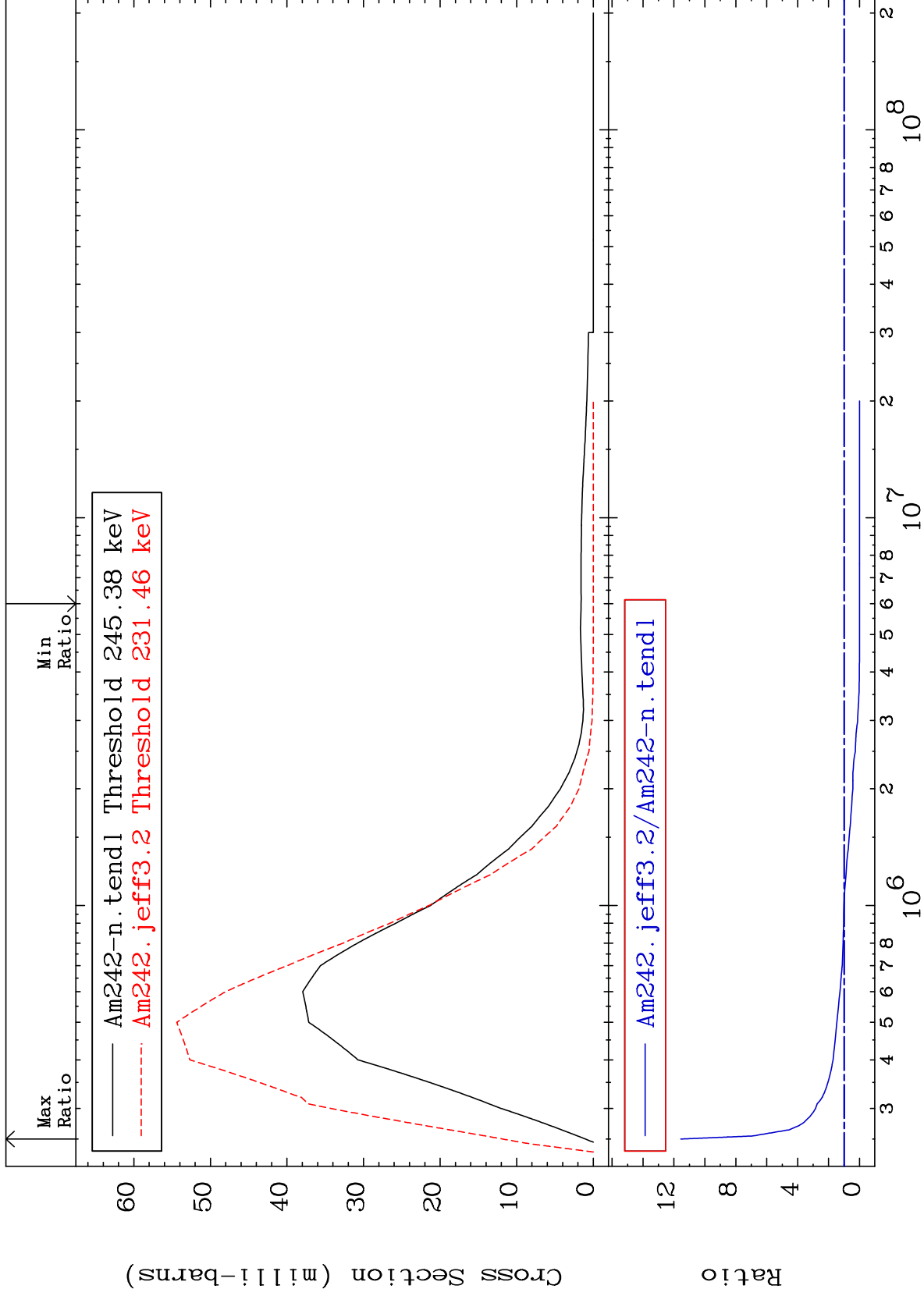
Incident Energy (eV)

95-Am-242

MAT 9546

244.4 keV (n,n') Level
Cross Section

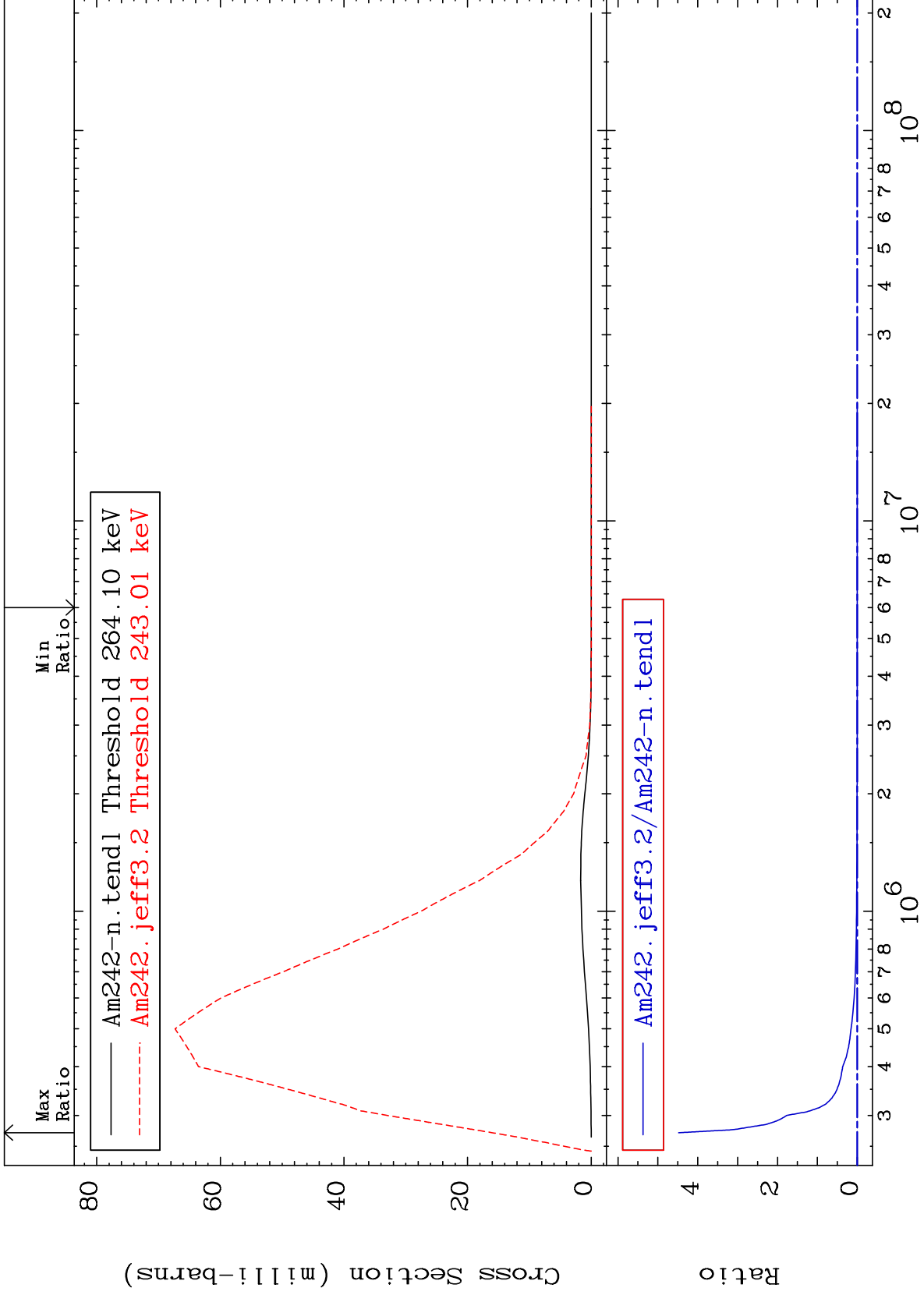
95-Am-242
-100.0 To 1056. %



MAT 9546

263.0 keV (n,n') Level
Cross Section

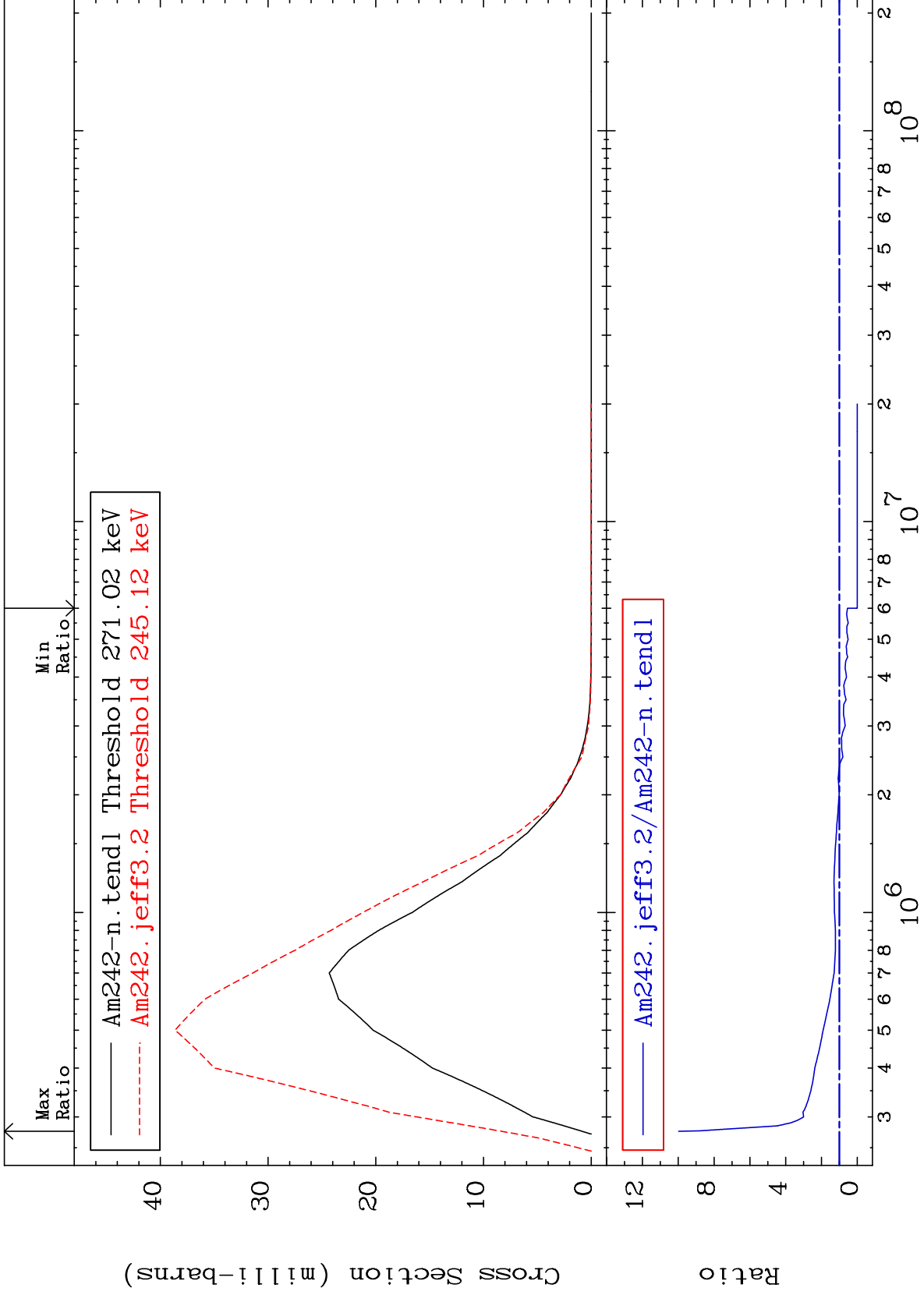
95-Am-242
-100.0 To 9999. %



MAT 9546

269.9 keV (n,n') Level
Cross Section

95-Am-242
-100.0 To 897.9 %



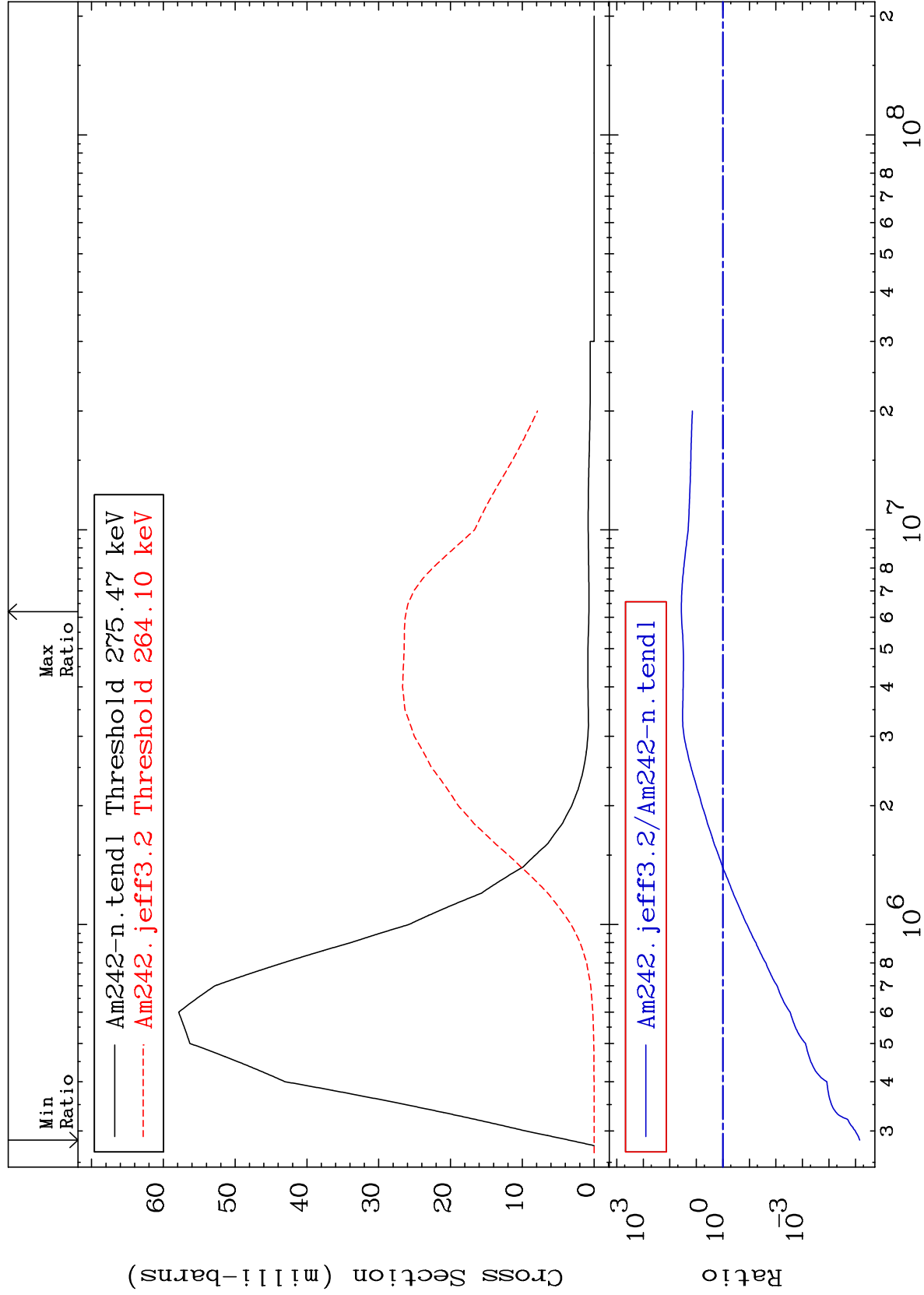
MAT 9546

274.3 keV (n,n') Level

95-Am-242

-100.0 To 3552. %

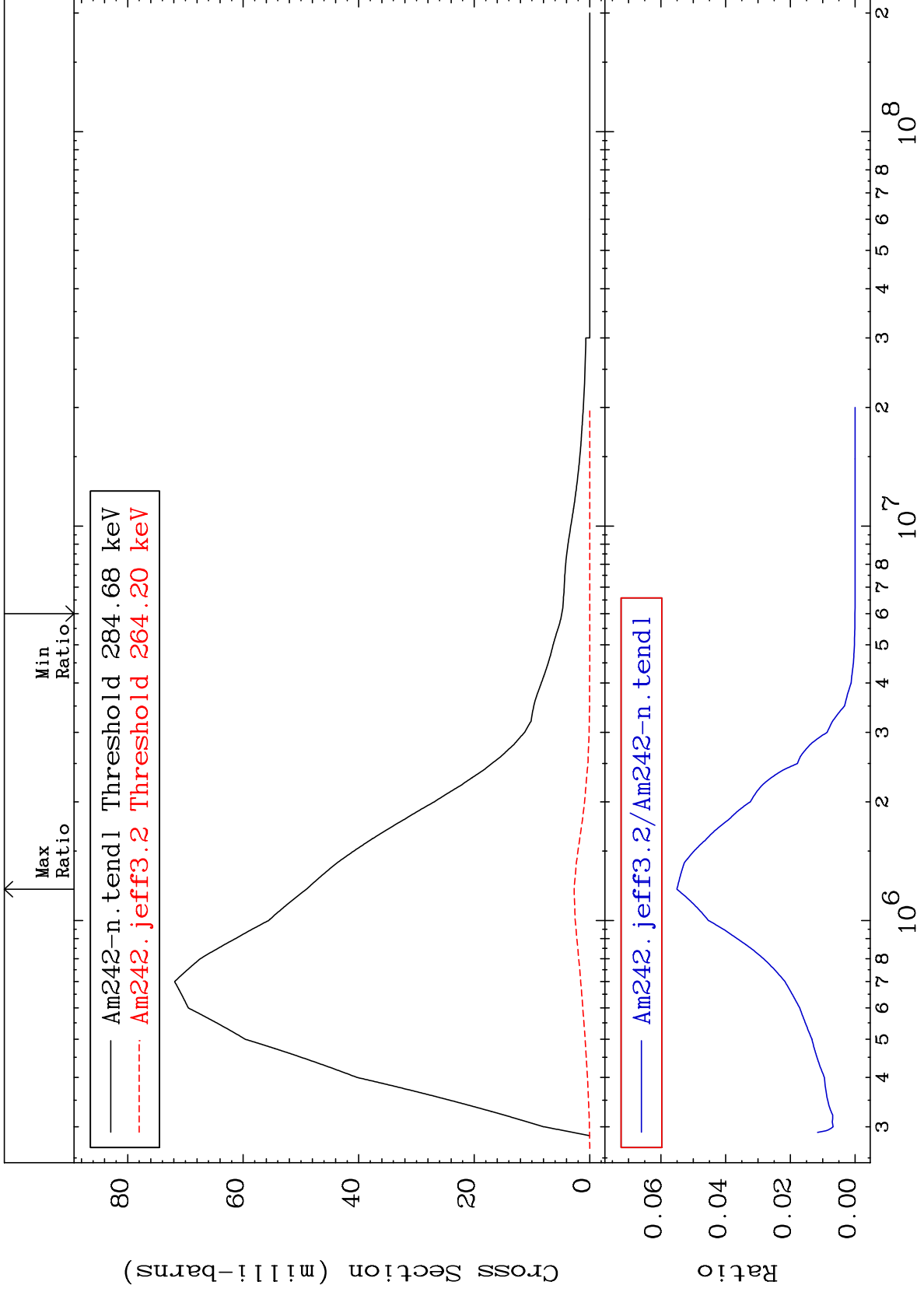
Cross Section



MAT 9546

283.5 keV (n,n') Level
Cross Section

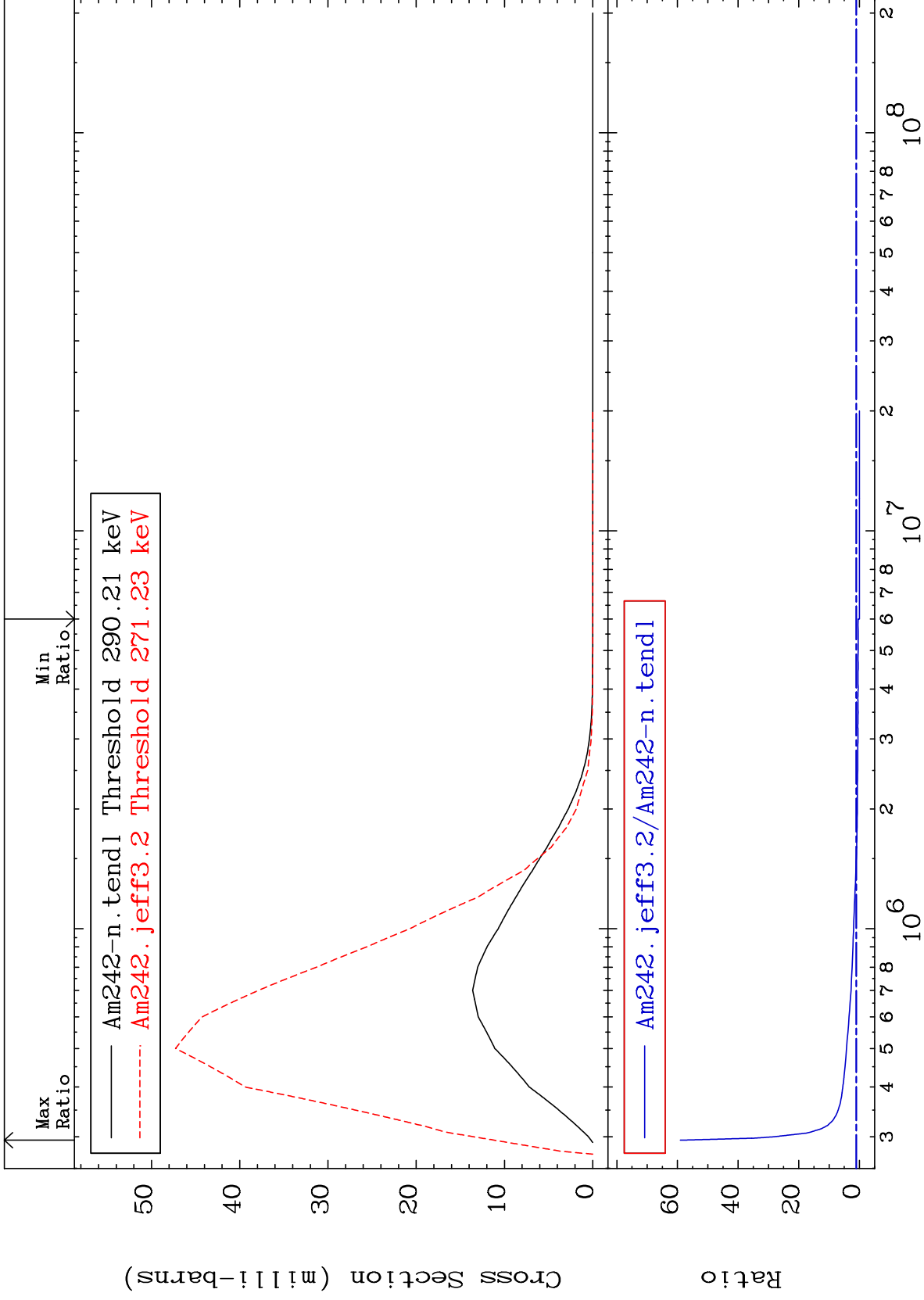
95-Am-242
-100.0 To -94.50%



MAT 9546

289.0 keV (n,n') Level
Cross Section

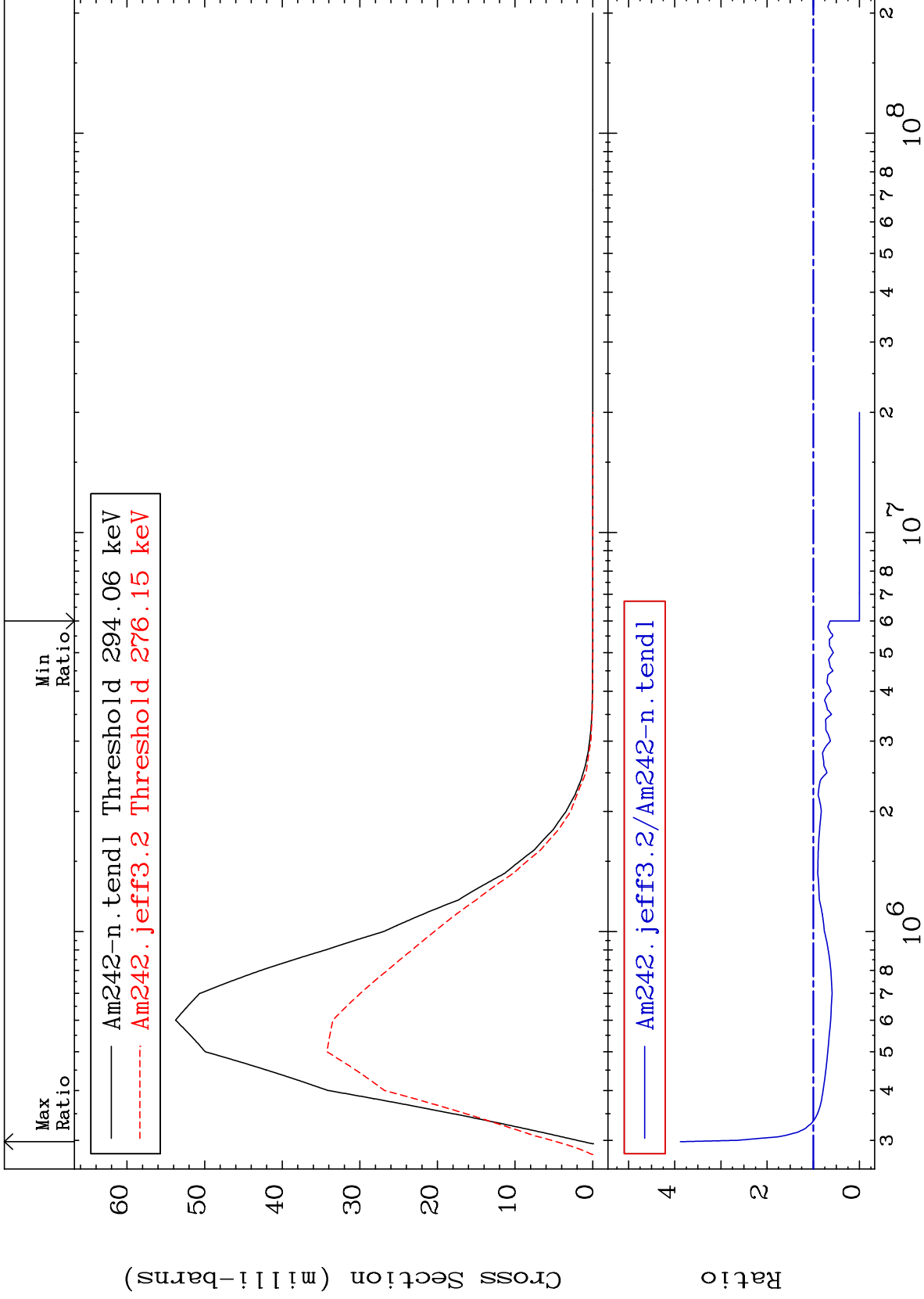
95-Am-242
-100.0 To 5805. %



MAT 9546

292.8 keV (n,n') Level
Cross Section

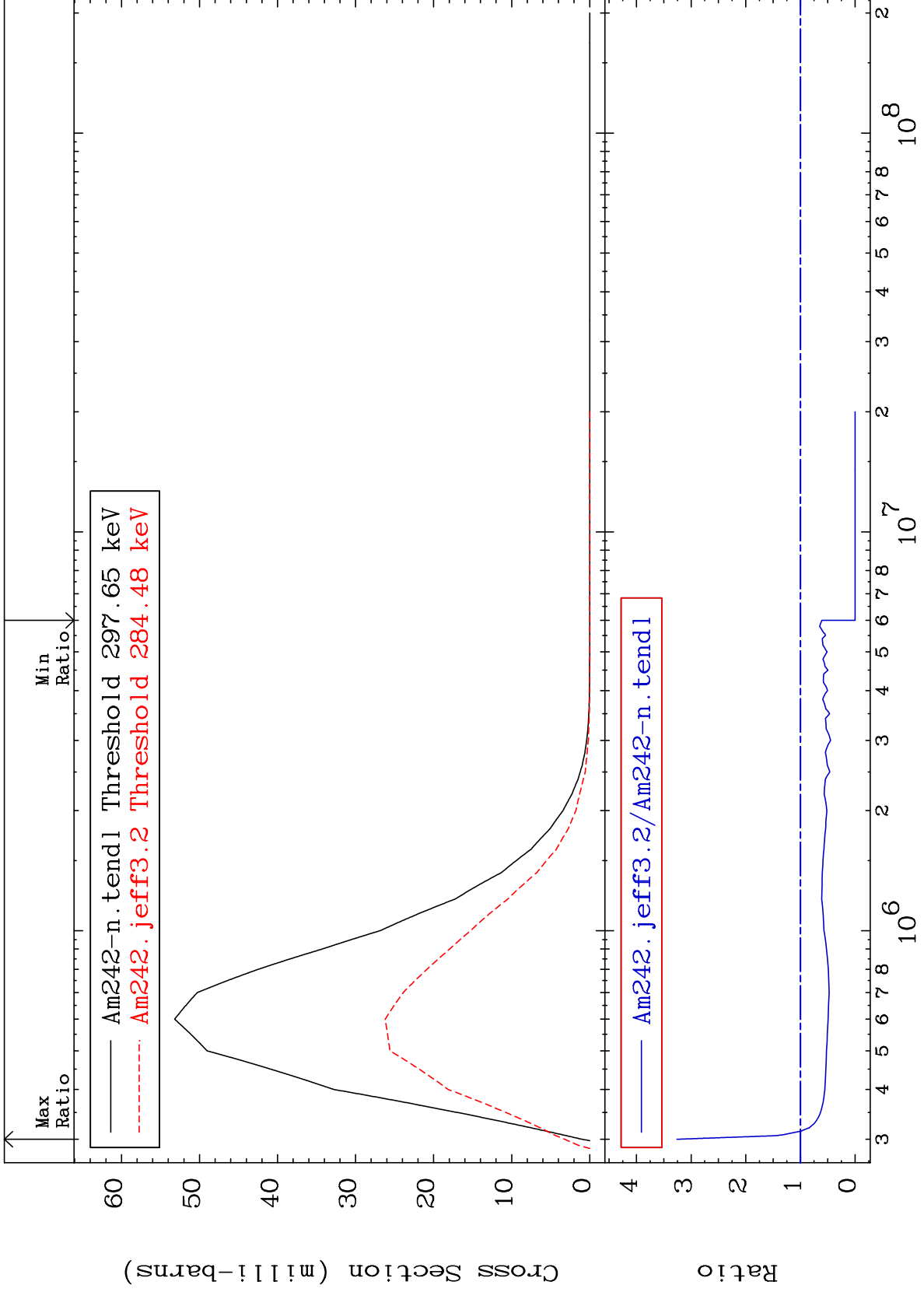
95-Am-242
-100.0 To 287.8 %



MAT 9546

296.4 keV (n,n') Level
Cross Section

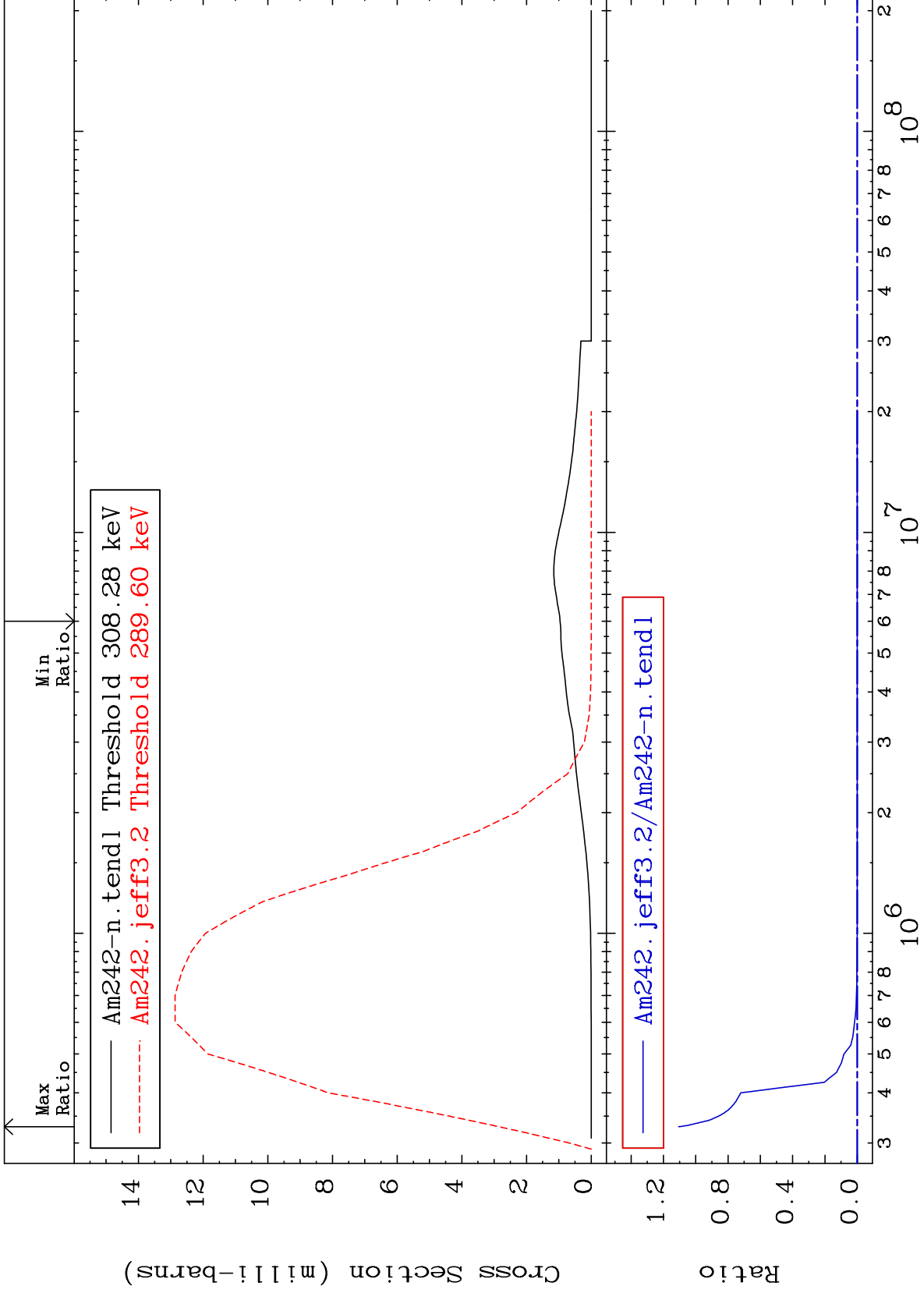
95-Am-242
-100.0 To 225.9 %



MAT 9546

307.0 keV (n,n') Level
Cross Section

95-Am-242
-100.0 To 9999. %



30

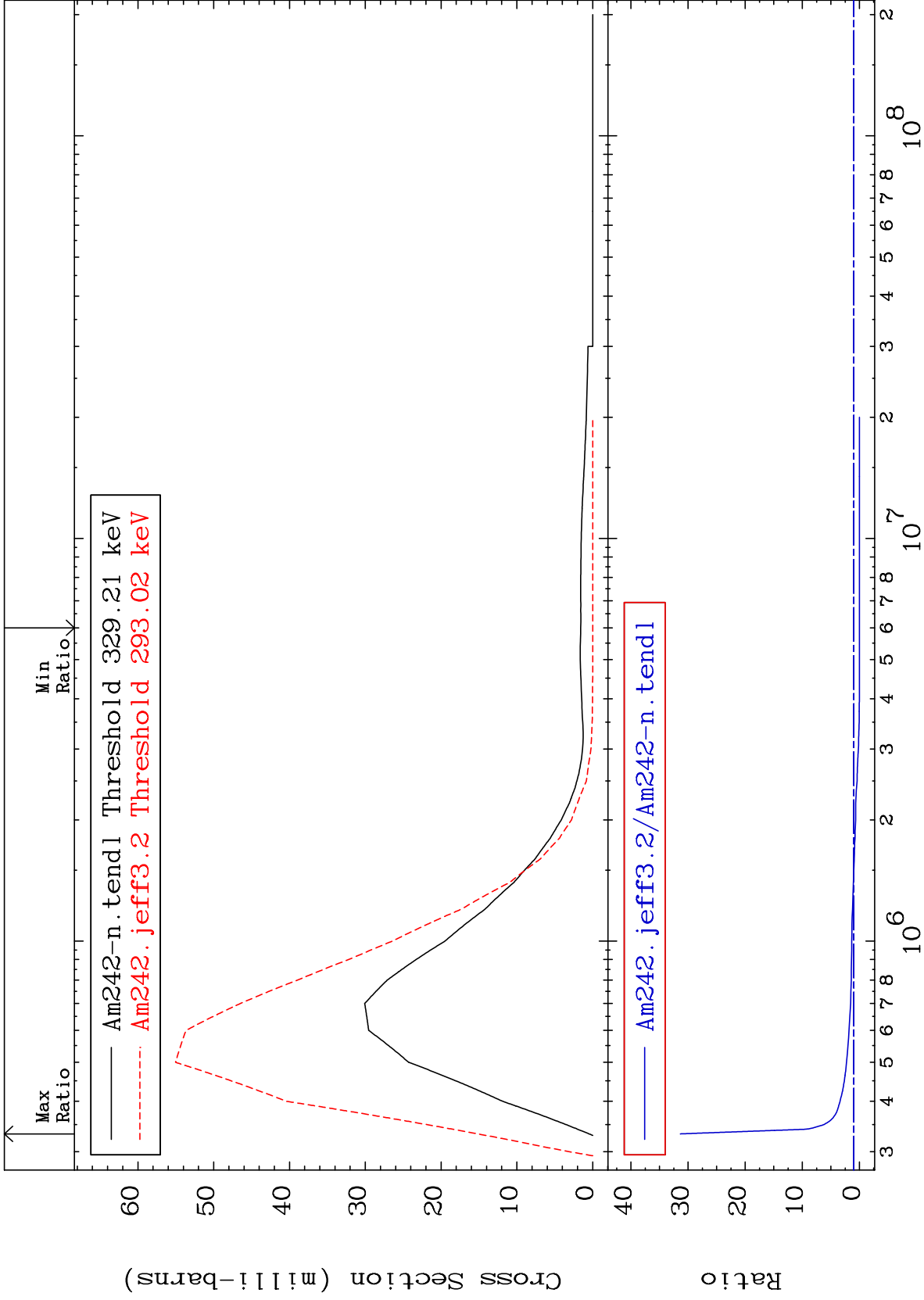
Incident Energy (eV)

95-Am-242

MAT 9546

327.8 keV (n,n') Level
Cross Section

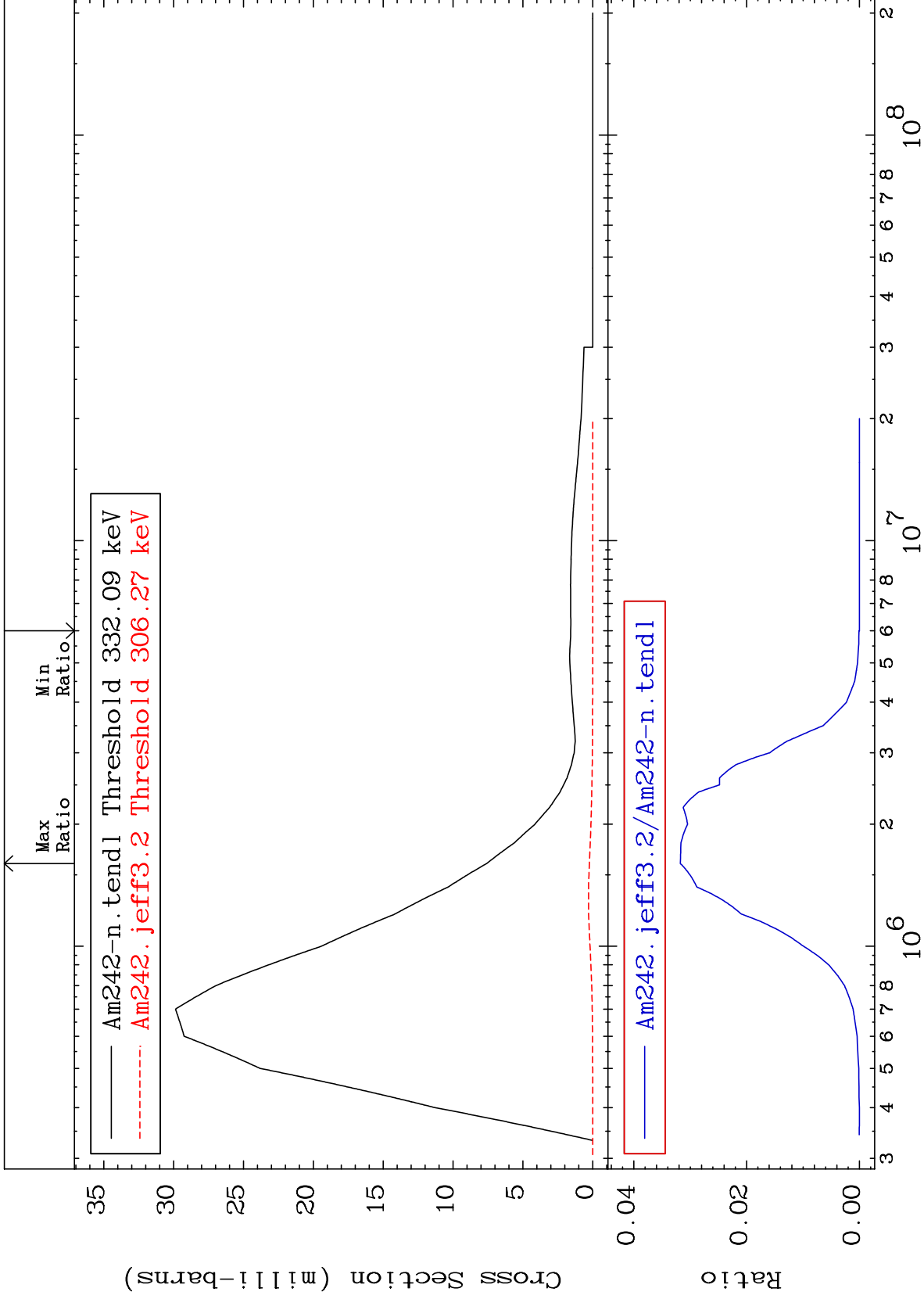
95-Am-242
-100.0 To 3036. %



MAT 9546

330.7 keV (n,n') Level
Cross Section

95-Am-242
-100.0 To -96.82%



32

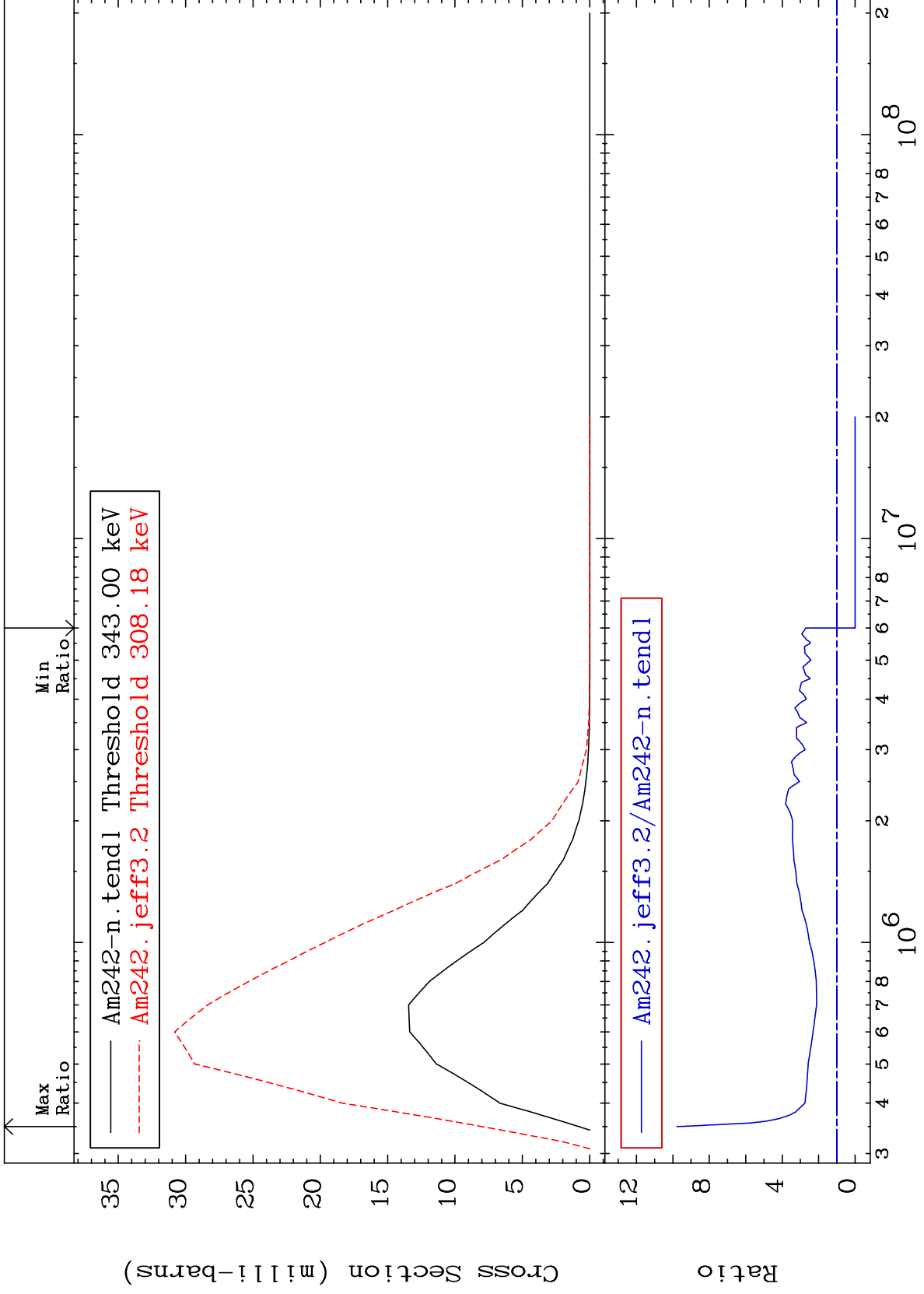
Incident Energy (eV)

95-Am-242

MAT 9546

341.6 keV (n,n') Level
Cross Section

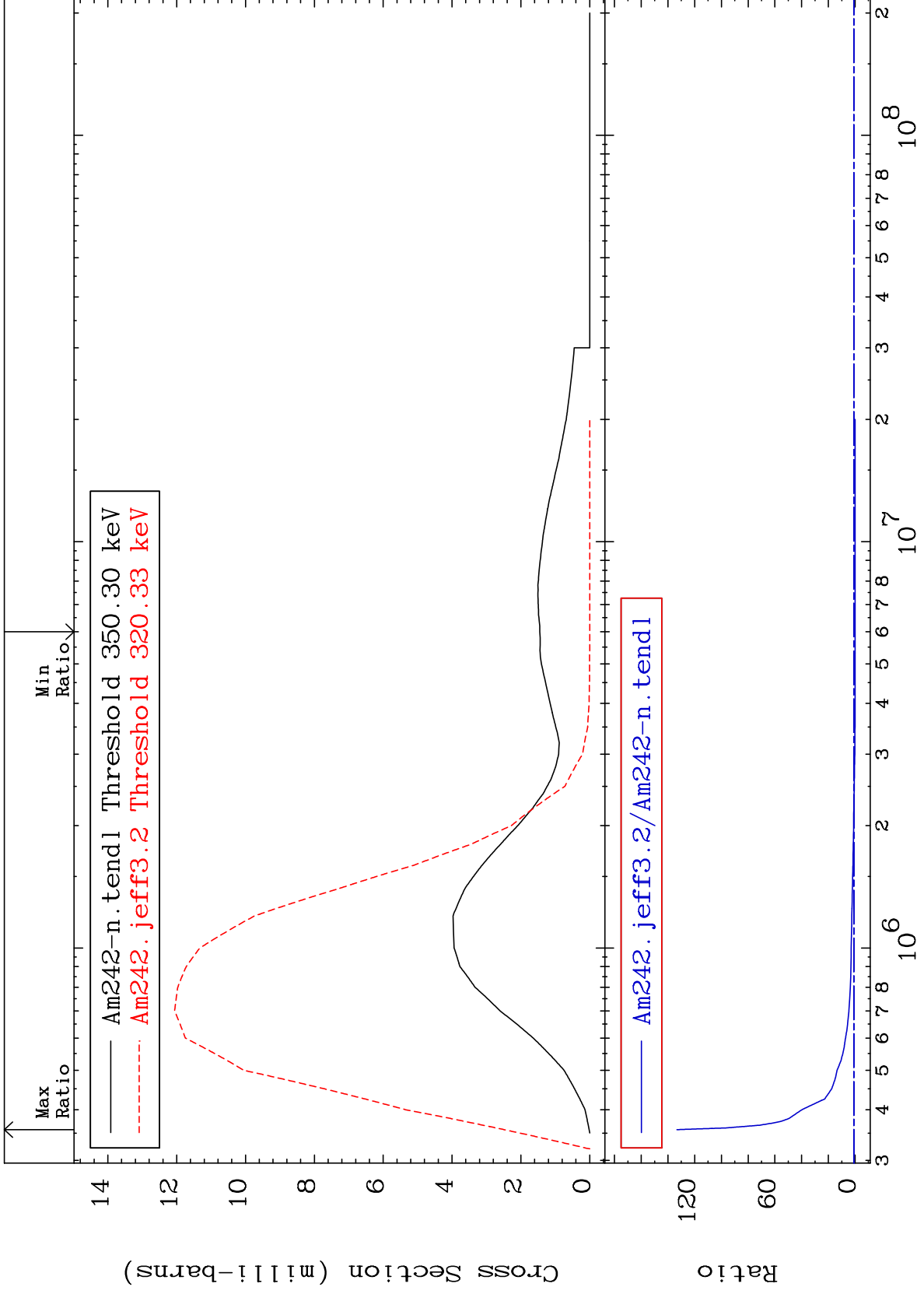
95-Am-242
-100.0 To 877.7 %



MAT 9546

348.8 keV (n,n') Level
Cross Section

95-Am-242
-100.0 To 9999. %



34

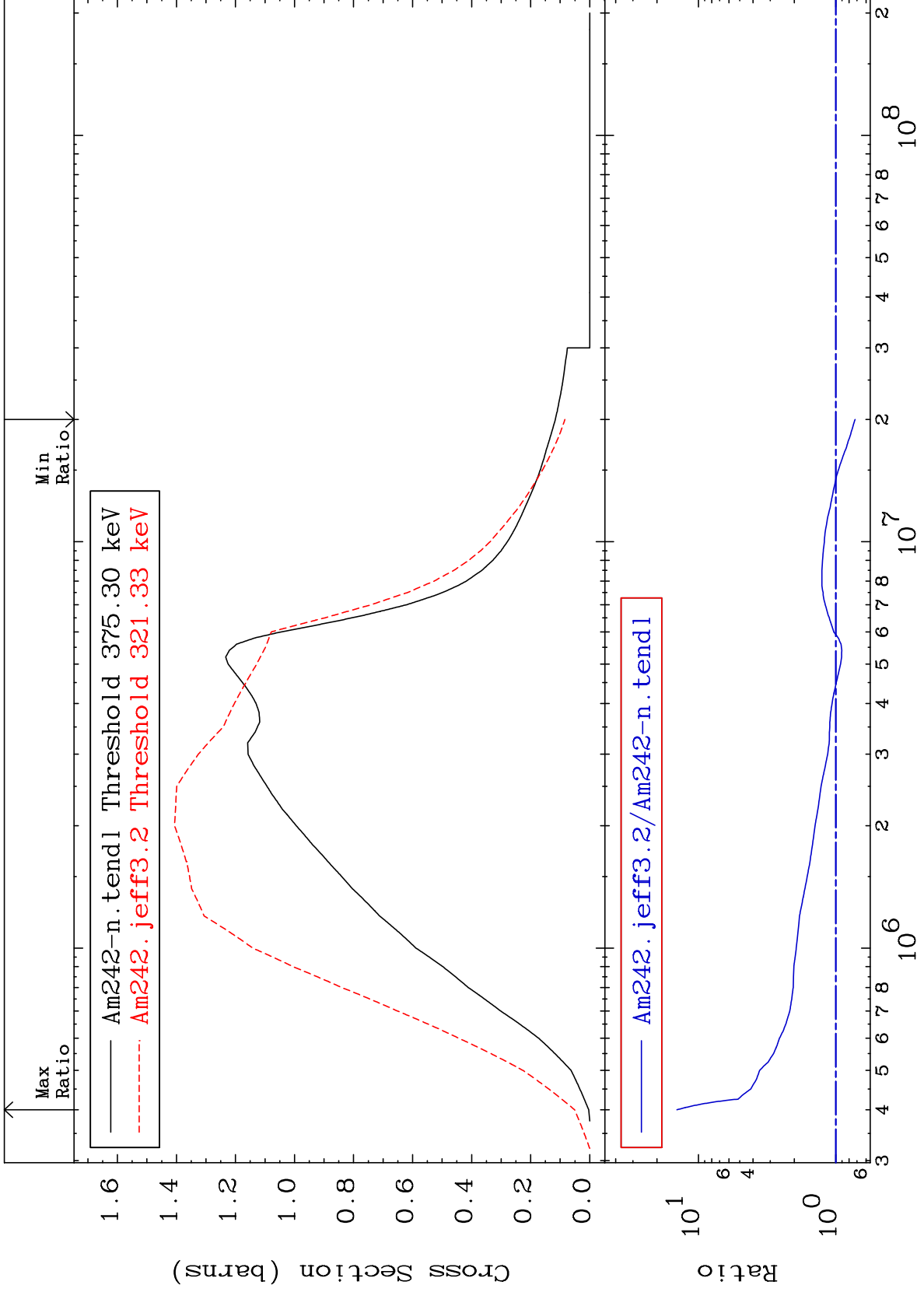
Incident Energy (eV)

95-Am-242

MAT 9546

(n, n') Continuum
Cross Section

95-Am-242
-27.74 To 1333. %



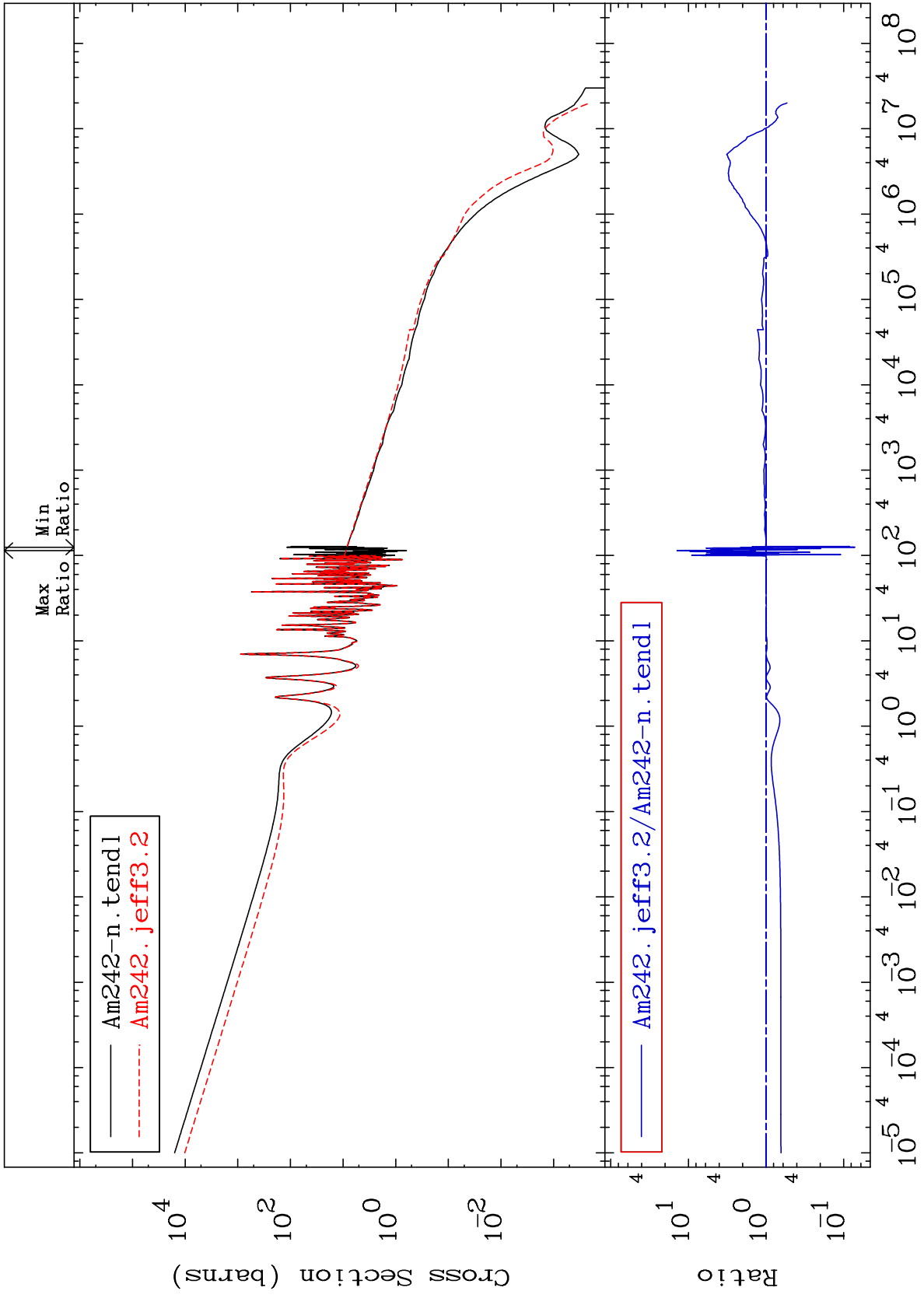
35

Incident Energy (eV)

95-Am-242

MAT 9546

(n, γ) Cross Section
95-Am-242
-92.89 To 1305. %



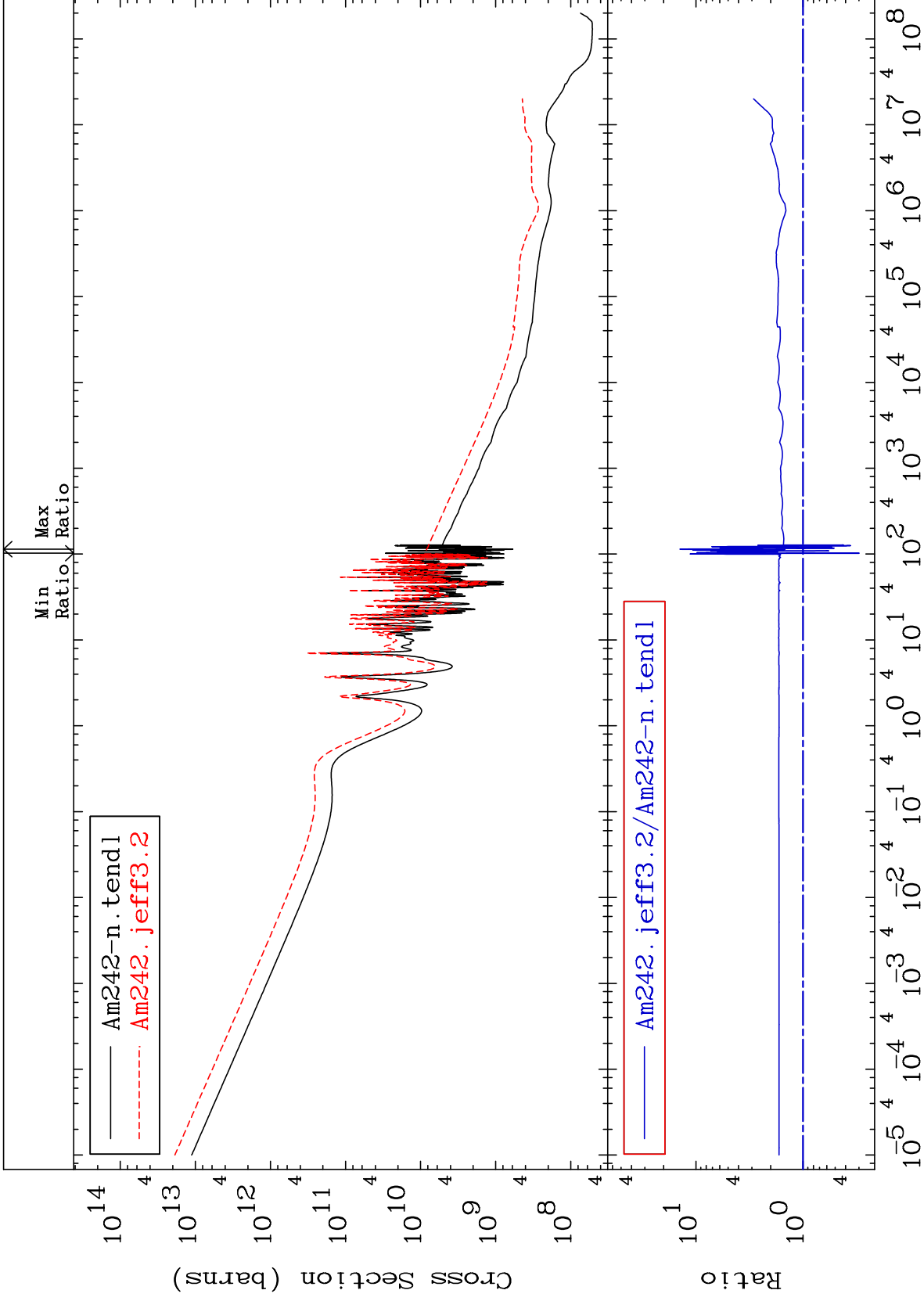
MAT 9546

Kerma total (eV-barns)

95-Am-242

-70.23 To 1303. %

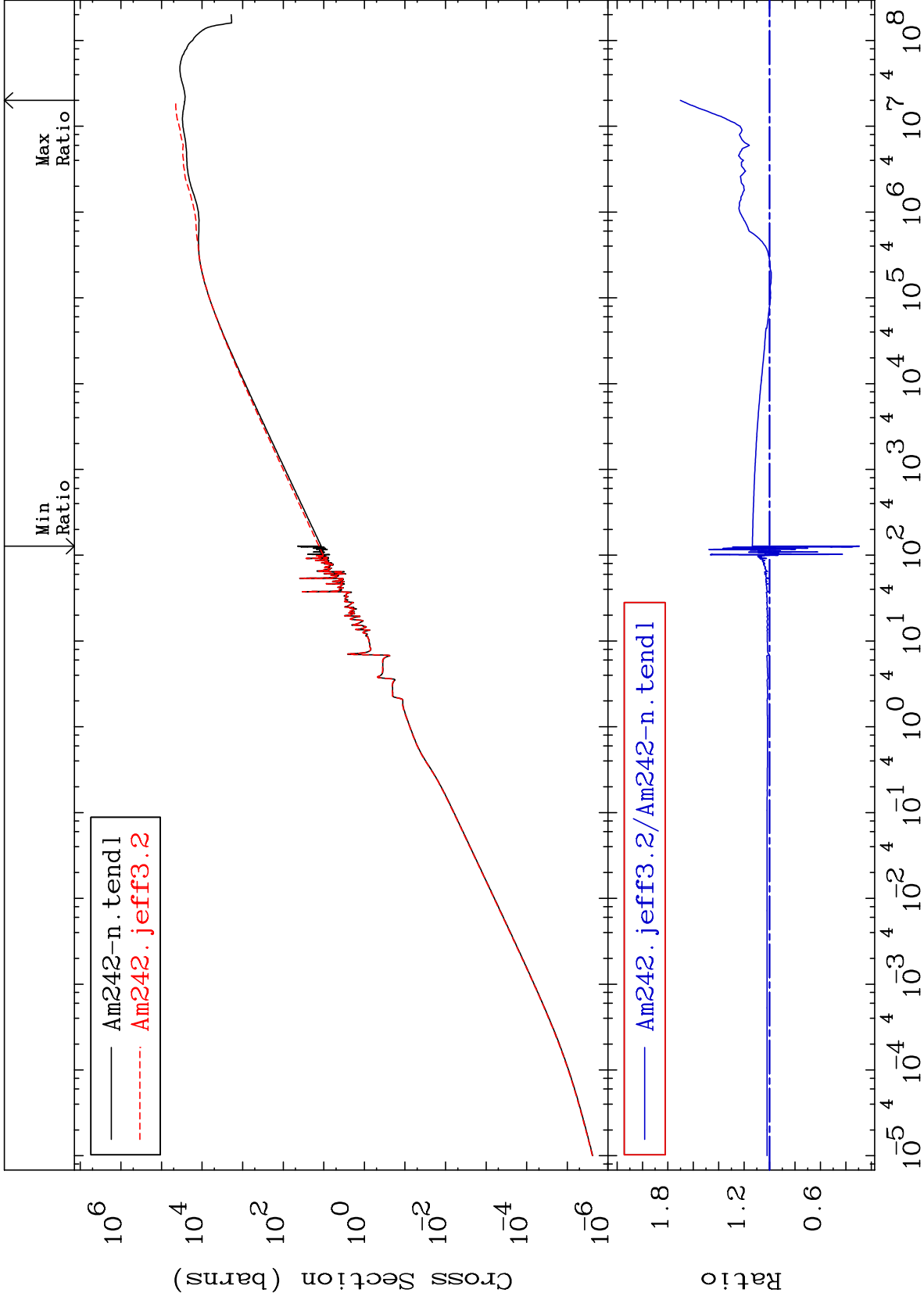
Cross Section



MAT 9546

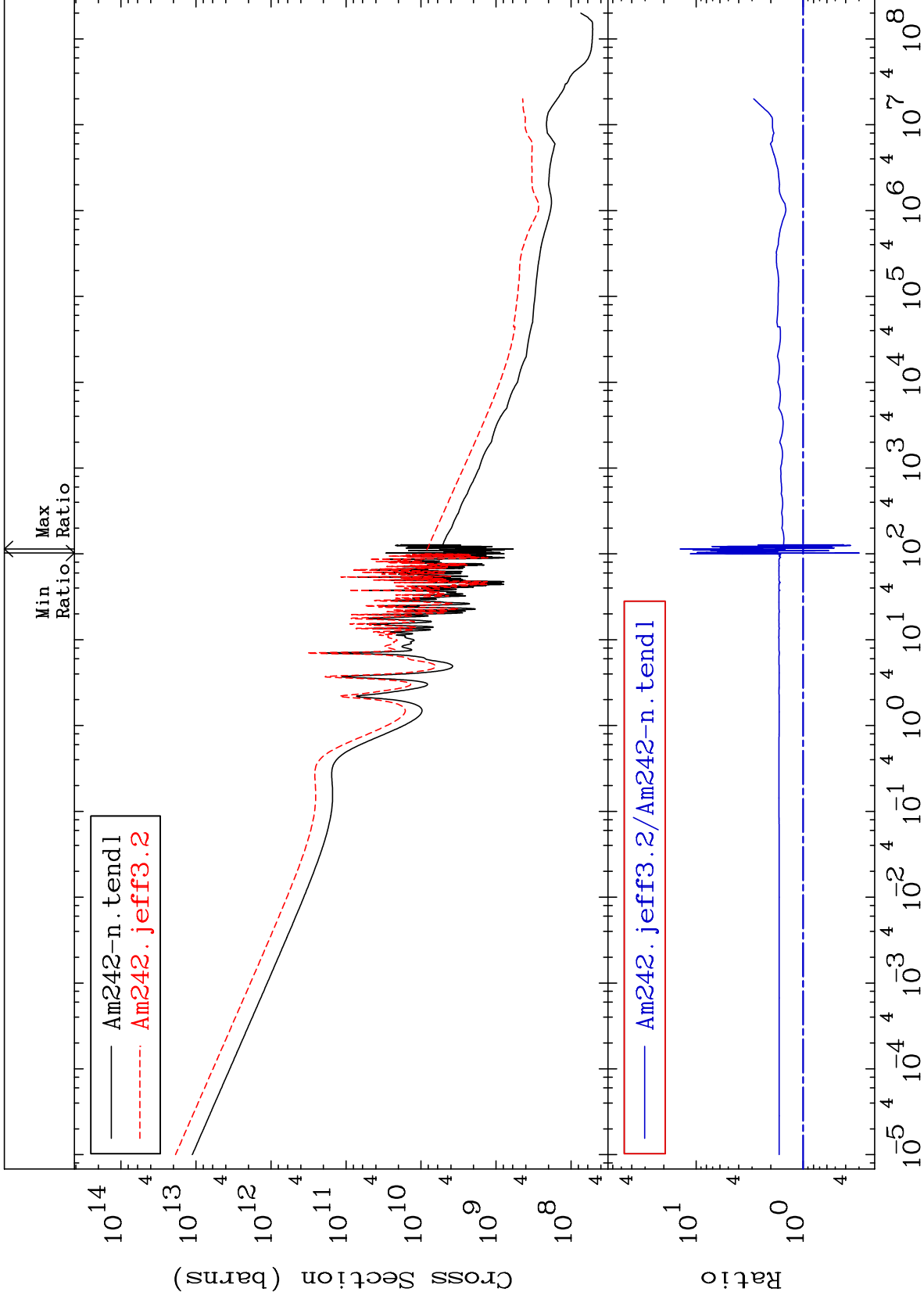
Kerma elastic
Cross Section

95-Am-242
-70.65 To 70.20 %



— Am242-n.tendl
- - - Am242.jeff3.2

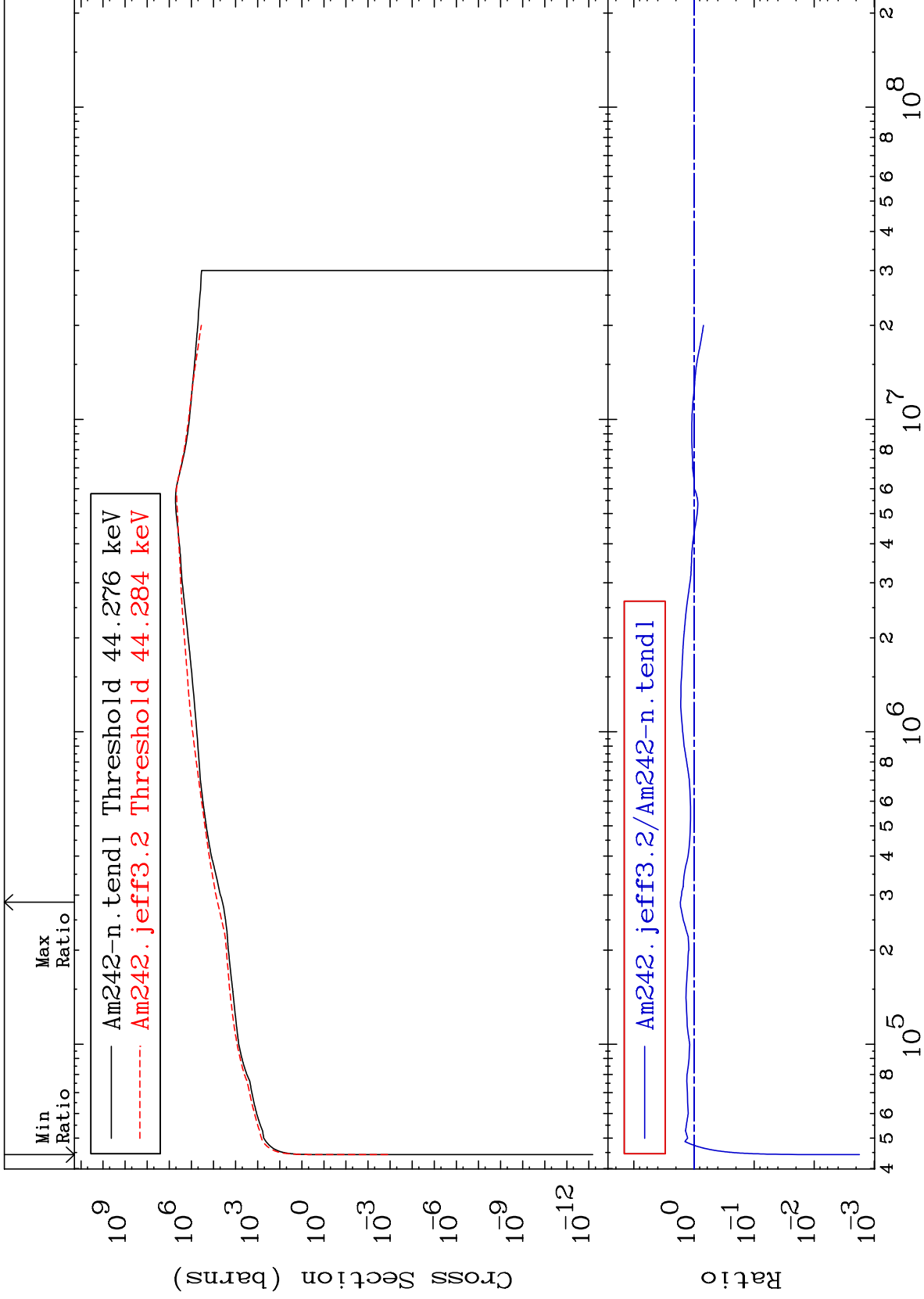
— Am242.jeff3.2/Am242-n.tendl



MAT 9546

Kerma inelastic (mt51-91)
Cross Section

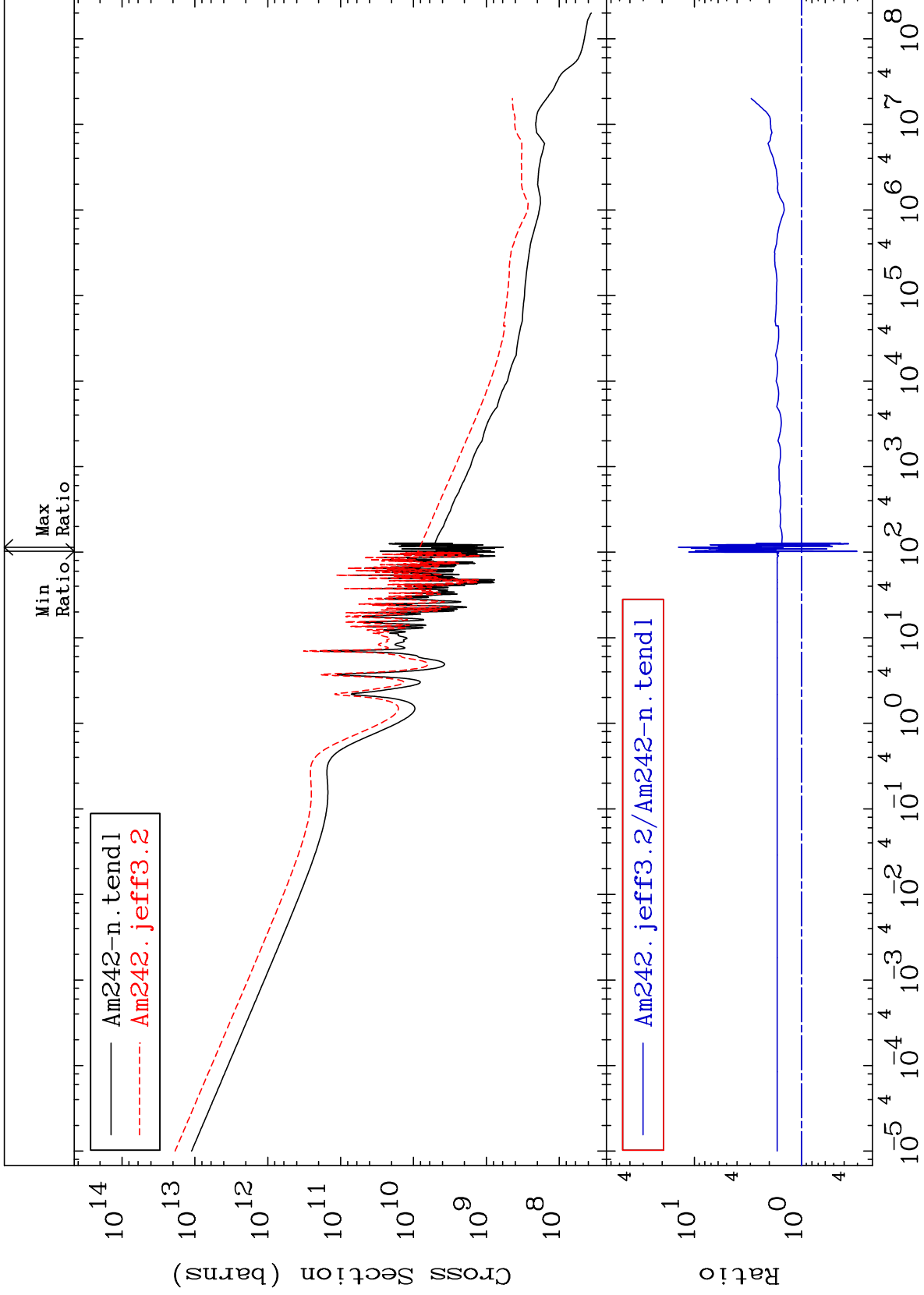
95-Am-242
-99.82 To 68.55 %



MAT 9546

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

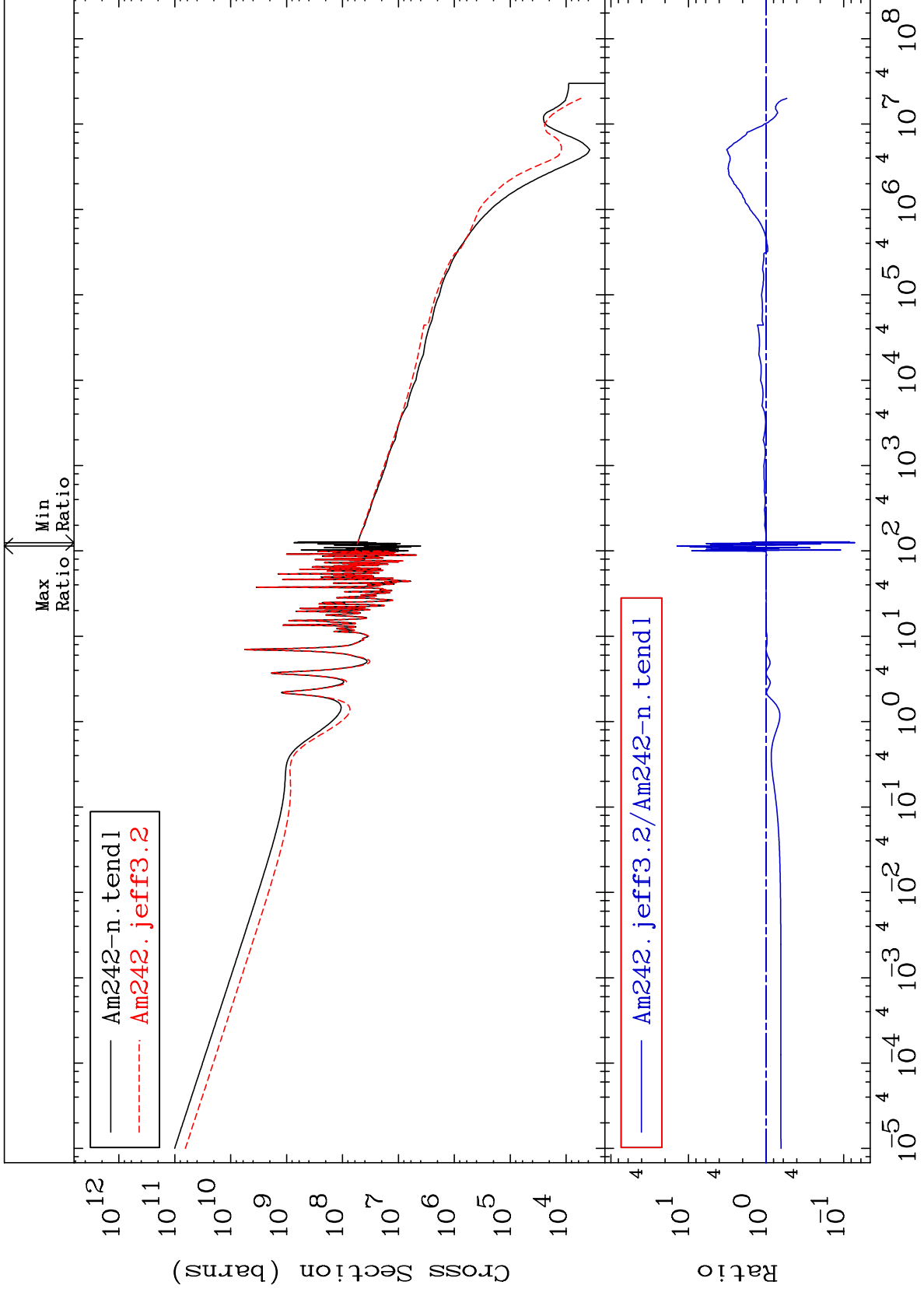
95-Am-242
-69.86 To 1303. %



MAT 9546

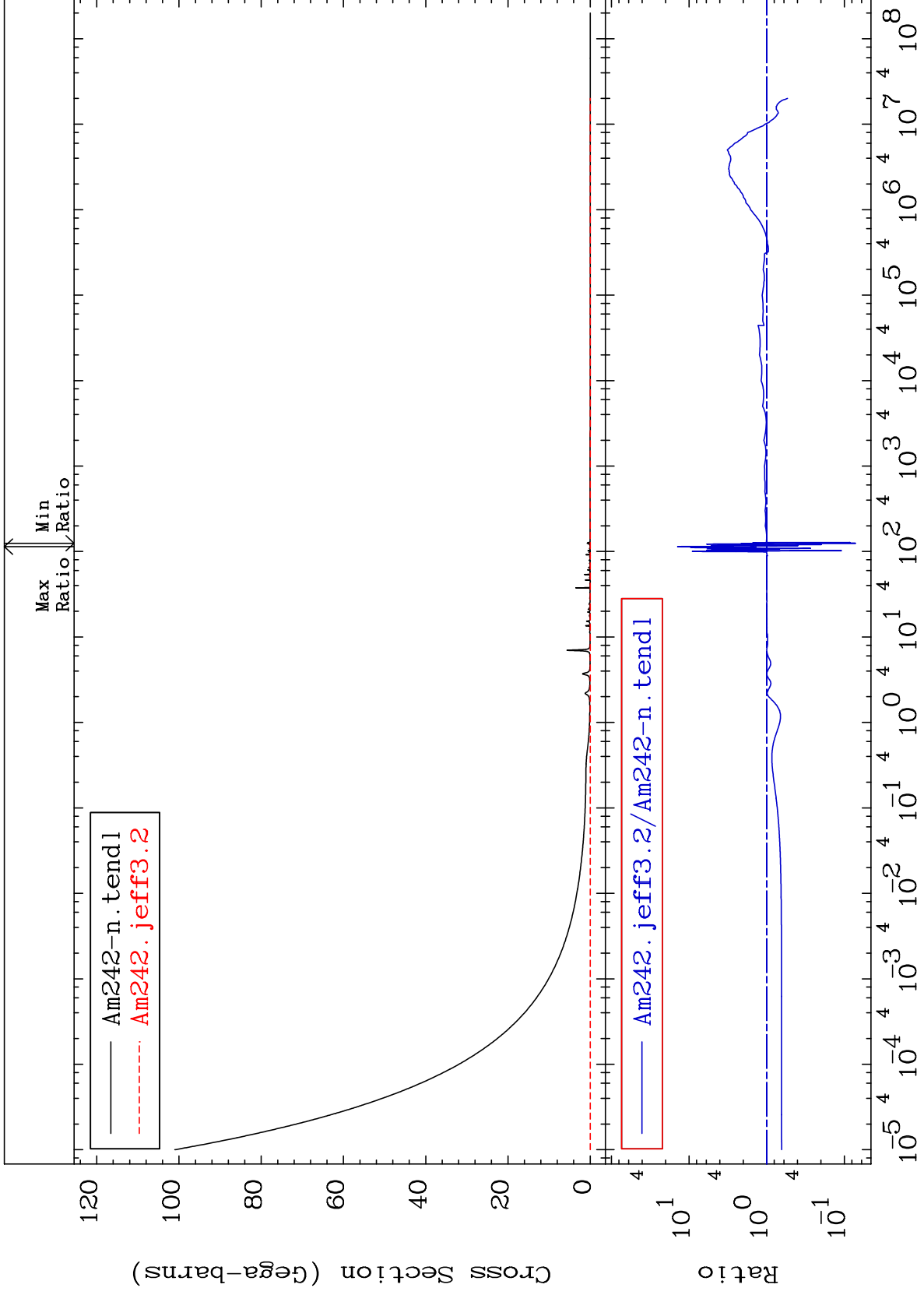
Kerma capture (mt102)
Cross Section

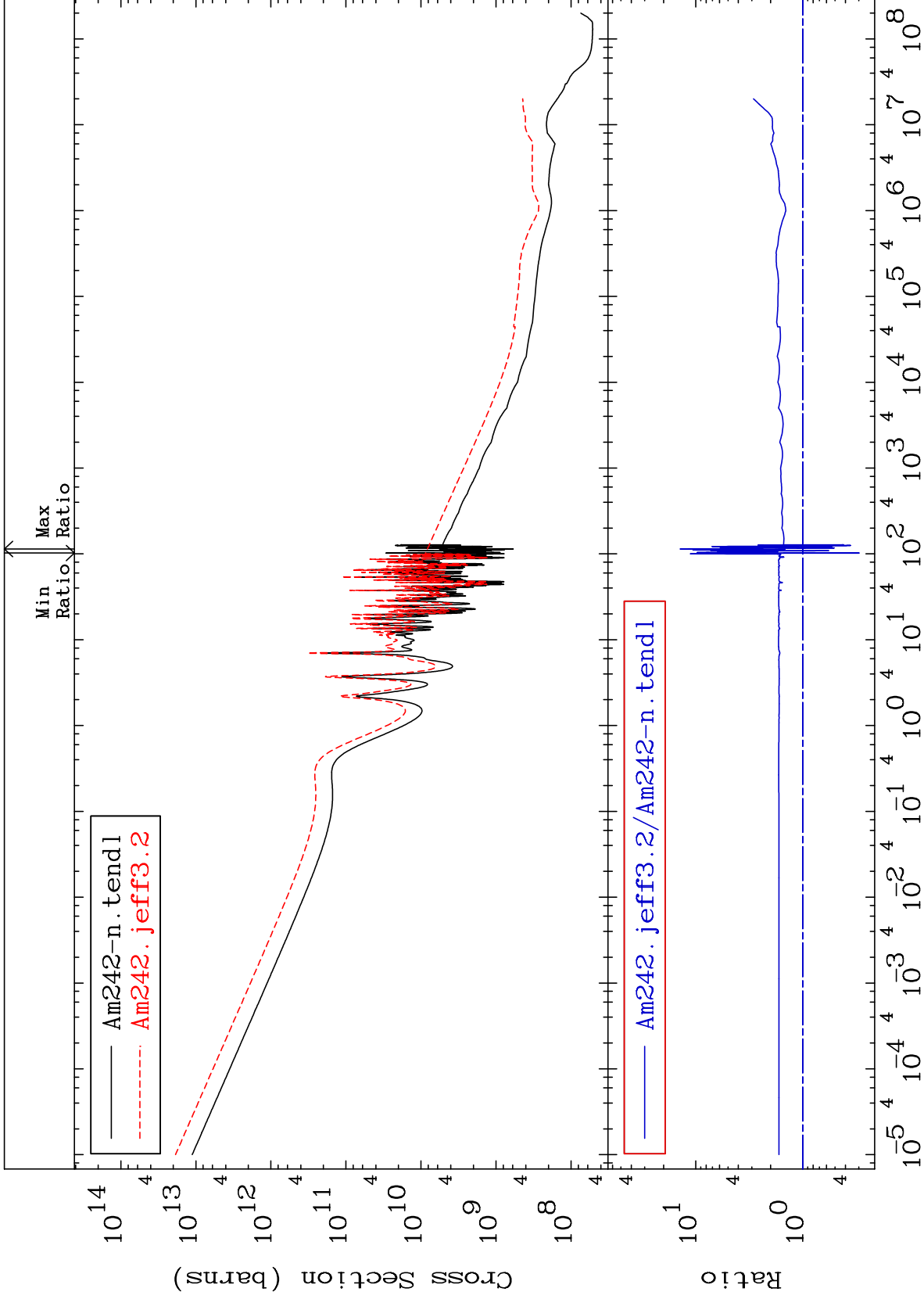
95-Am-242
-92.89 To 1306. %



— Am242-n.tendl
- - - Am242.jeff3.2

— Am242.jeff3.2/Am242-n.tendl

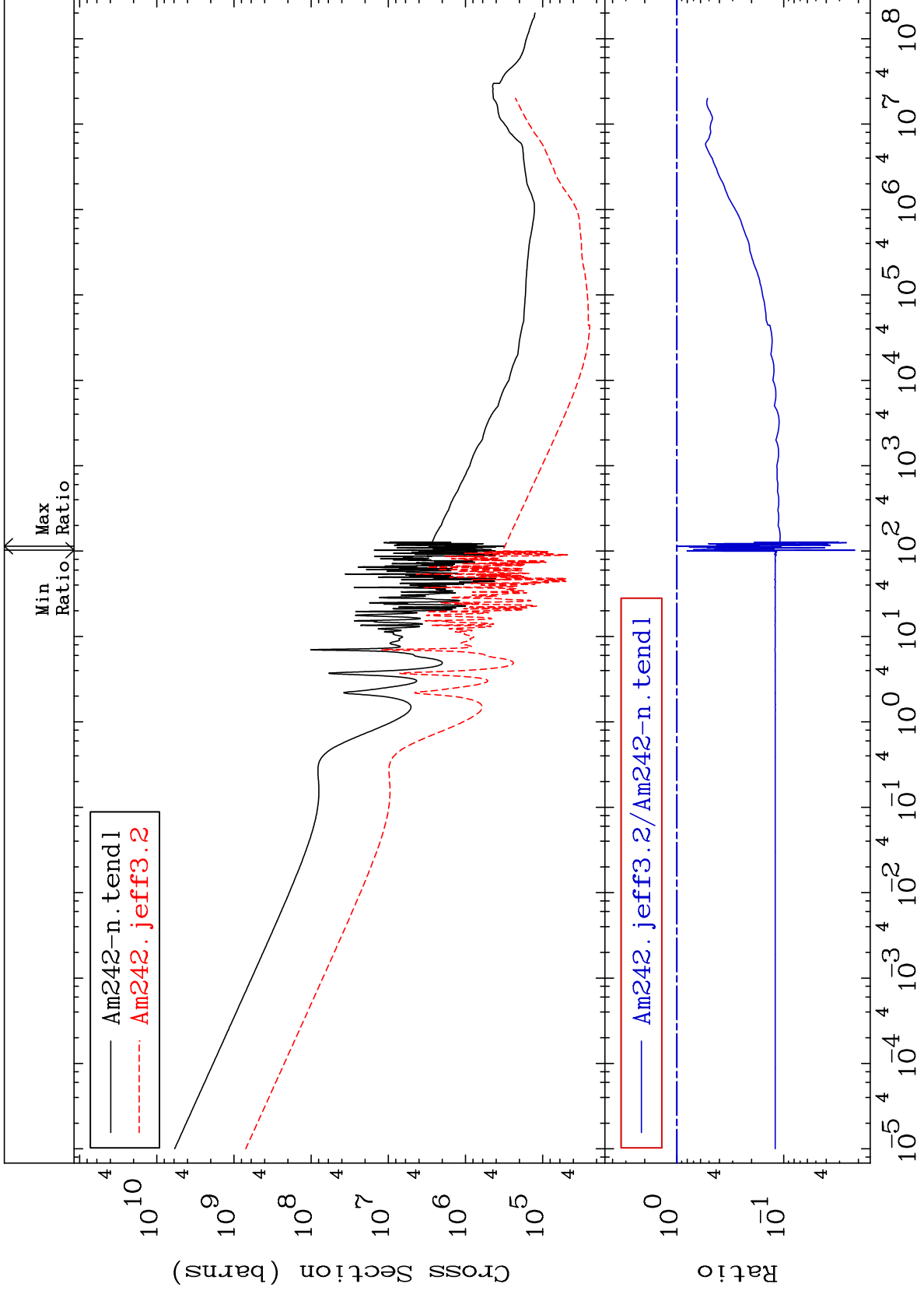




MAT 9546

Dpa total (eV-barns)
Cross Section

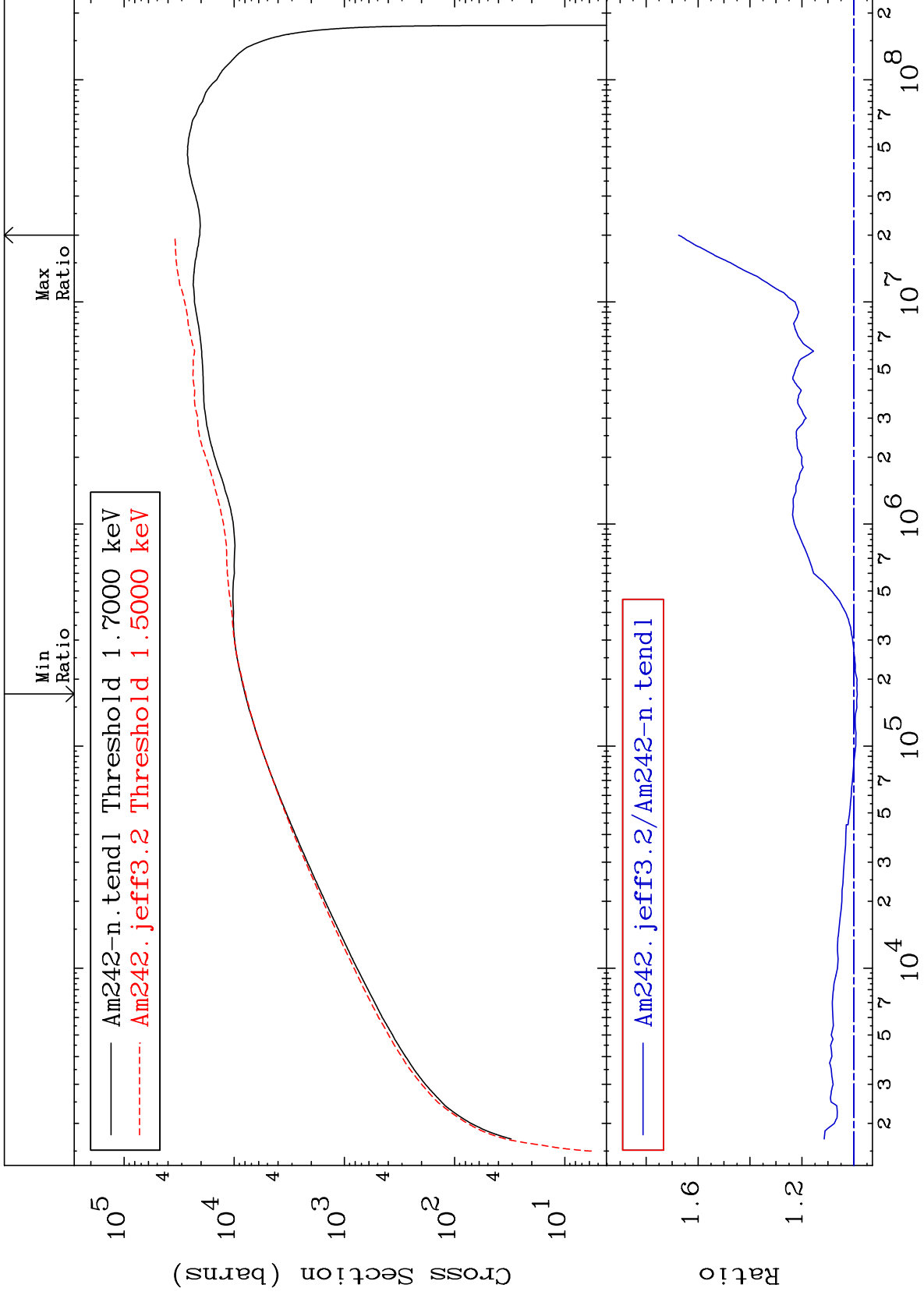
95-Am-242
-97.86 To -0.181%



MAT 9546

Dpa elastic (mt2)
Cross Section

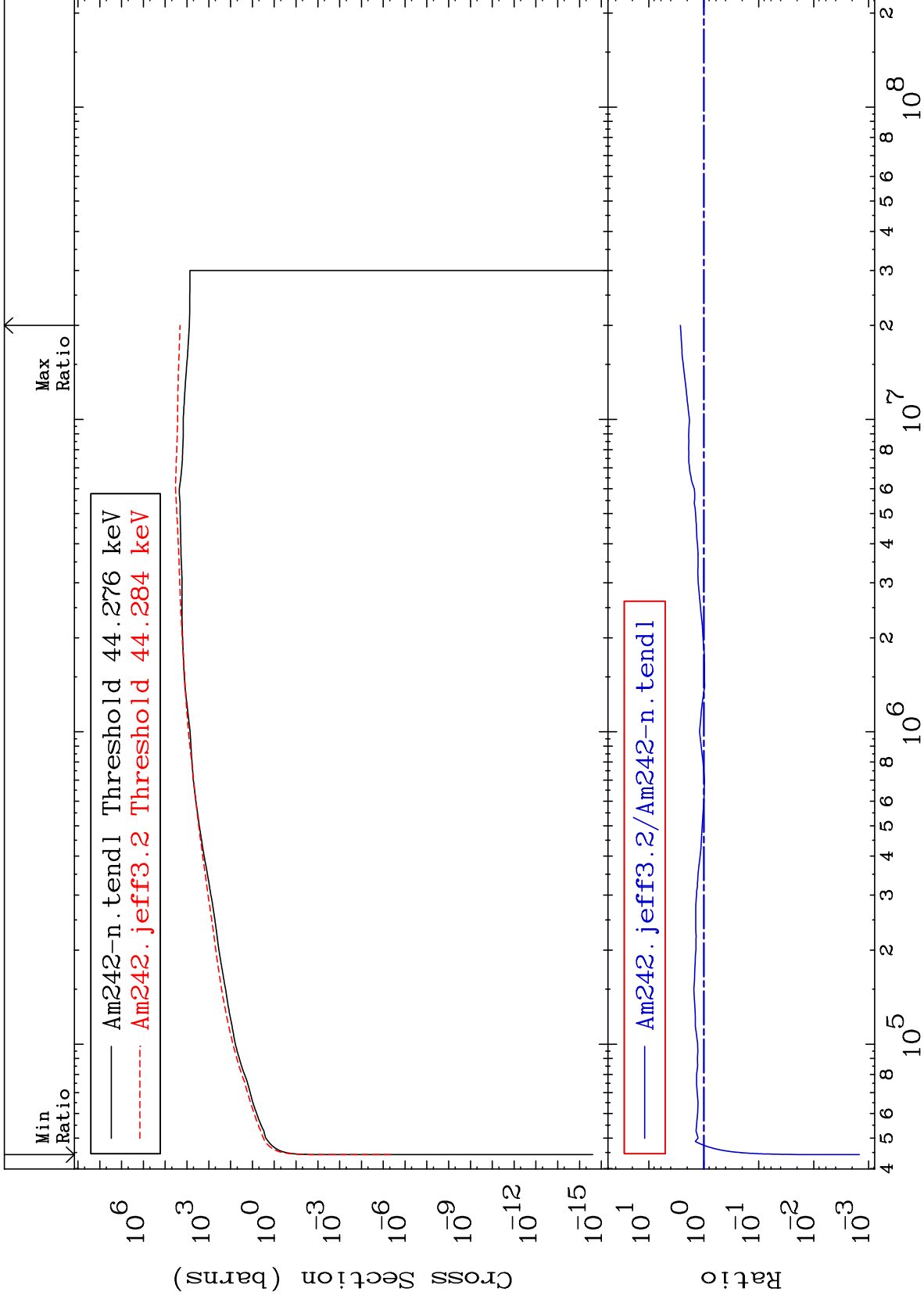
95-Am-242
-1.269 To 67.47 %



MAT 9546

Dpa inelastic (mt51-91)
Cross Section

95-Am-242
-99.85 To 166.8 %



MAT 9546

Dpa disappearance (mt102 -120)
Cross Section

95-Am-242
-99.47 To 9999. %

