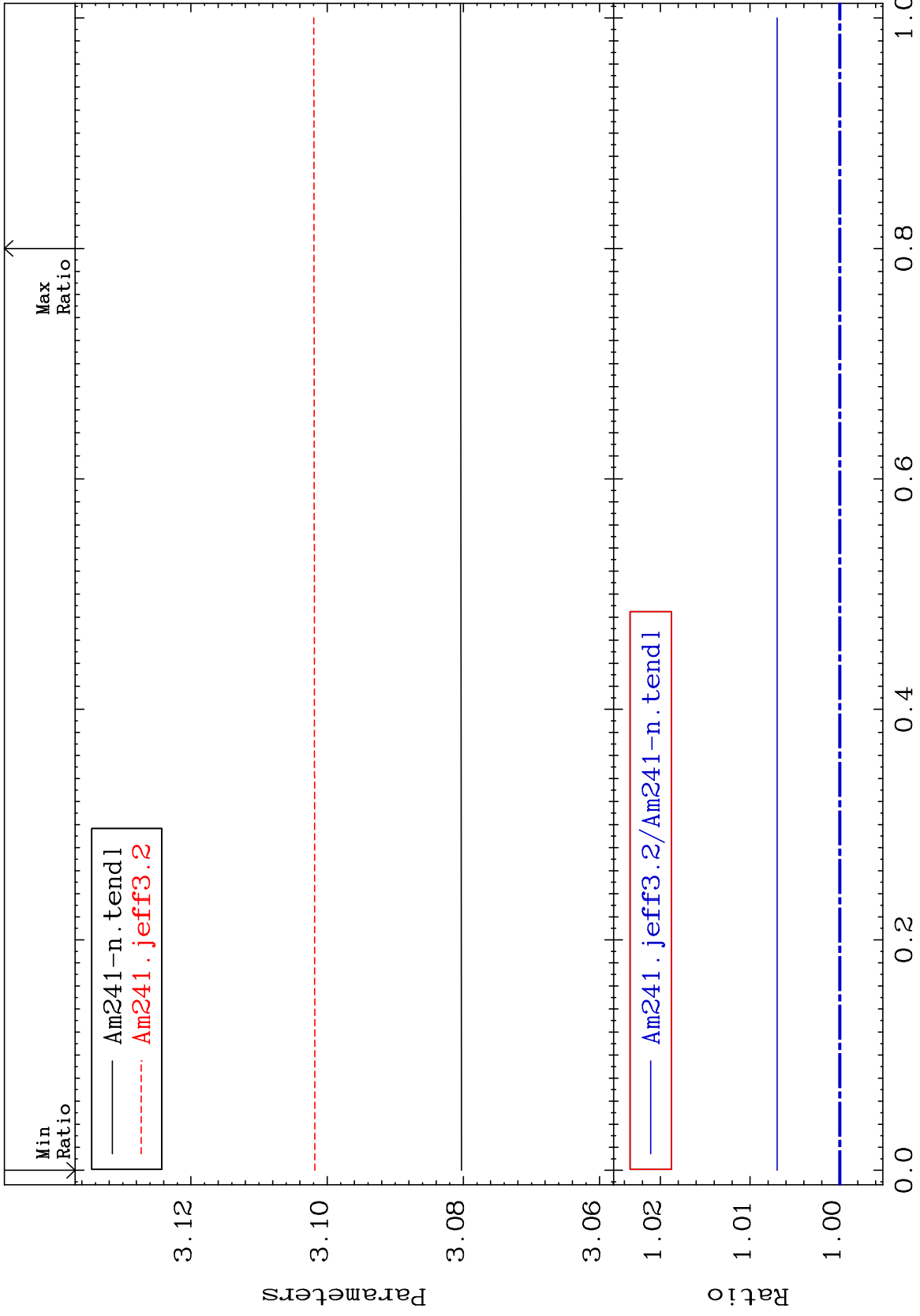


MAT 9543

Total $\bar{\nu}$
Parameters

95-Am-241
To 0.699 %



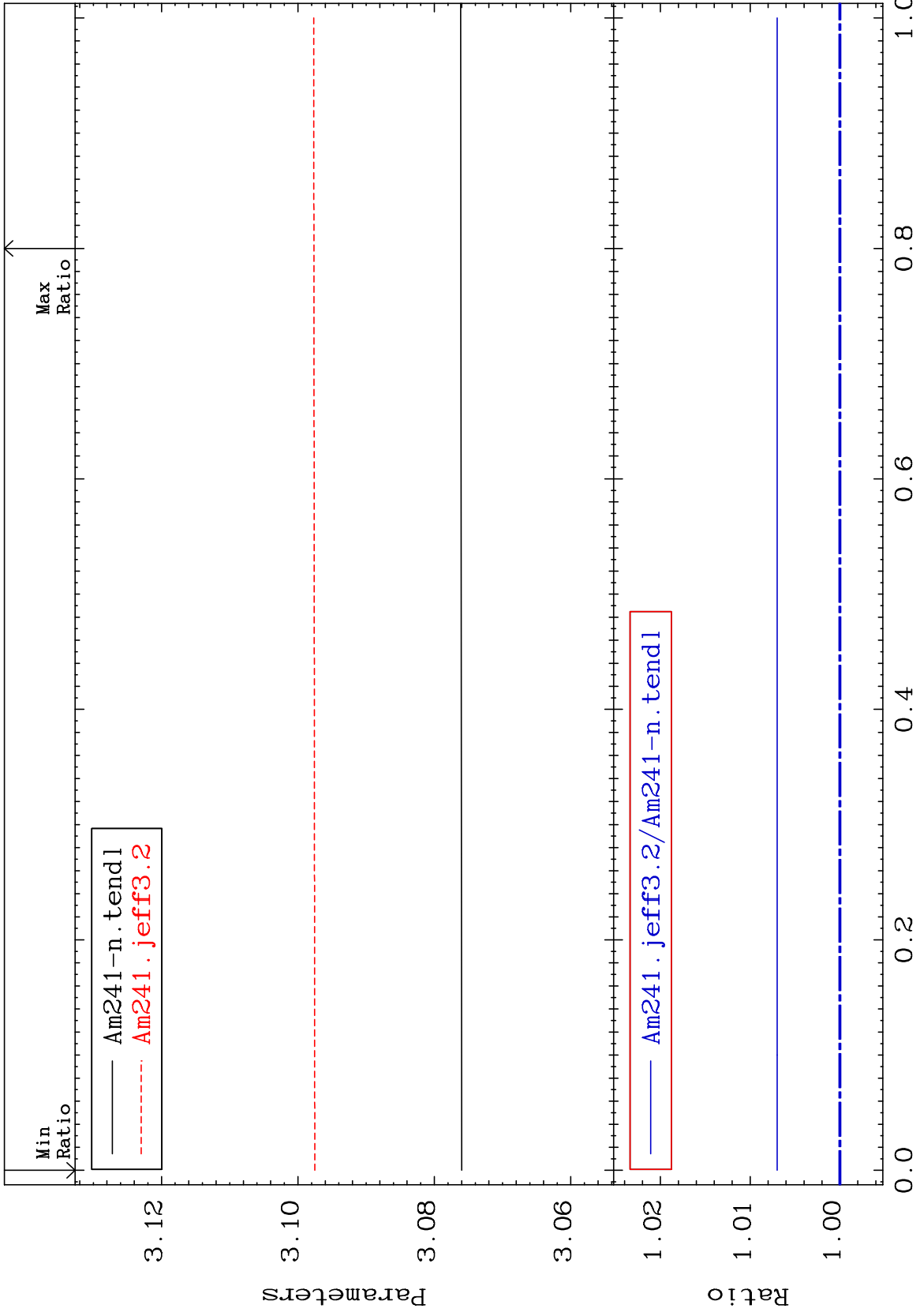
95-Am-241

1

MAT 9543

Prompt $\bar{\nu}$
Parameters

95-Am-241
To 0.700 %



2

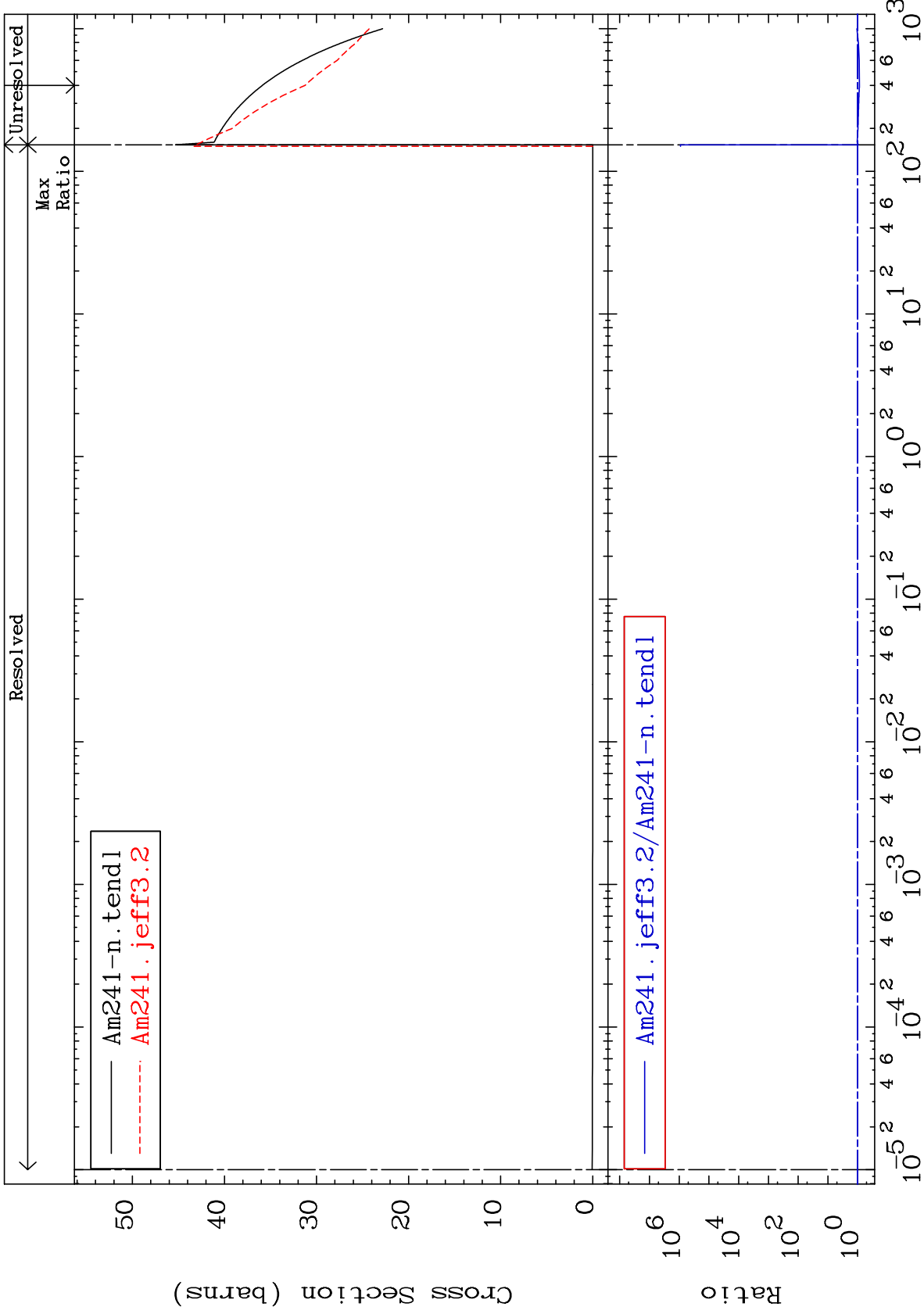
Incident Energy (KeV)

95-Am-241

MAT 9543

Total
Cross Section

95-Am-241
-12.94 To 9999. %



Incident Energy (eV)

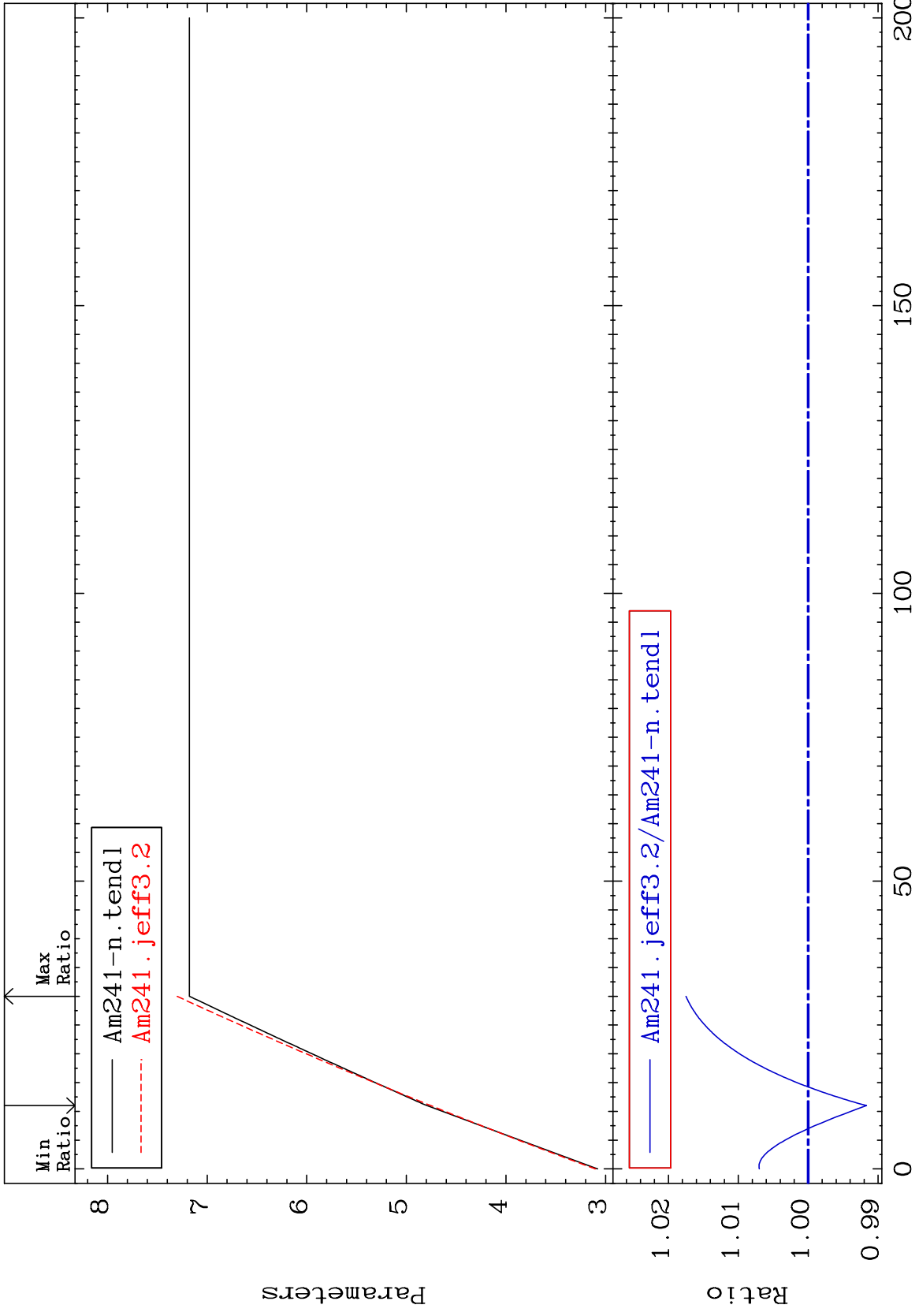
95-Am-241

3

MAT 9543

Total $\bar{\nu}$
Parameters

95-Am-241
-0.834 To 1.749 %



Incident Energy (MeV)

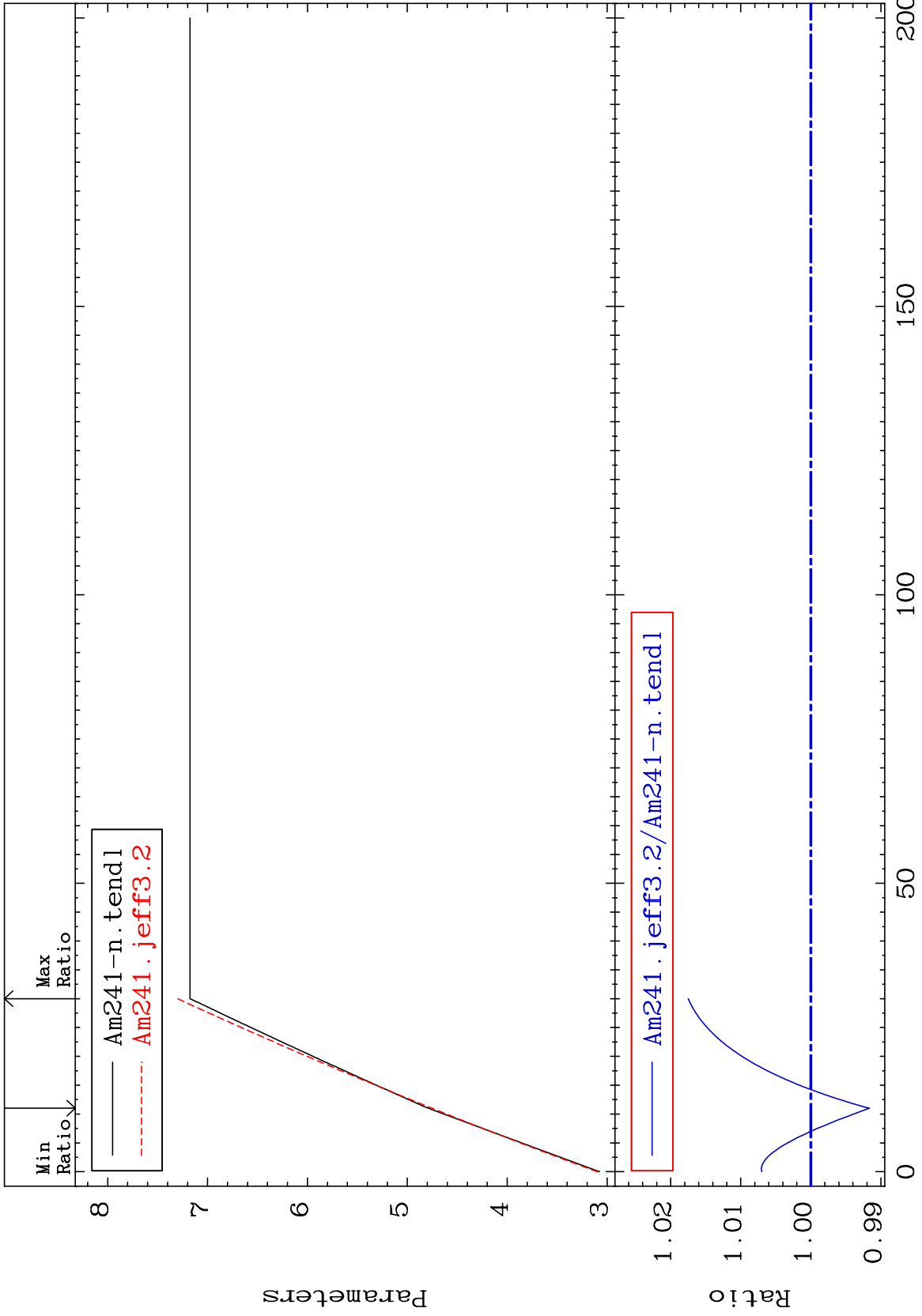
95-Am-241

1

MAT 9543

Prompt $\bar{\nu}$
Parameters

95-Am-241
-0.834 To 1.750 %



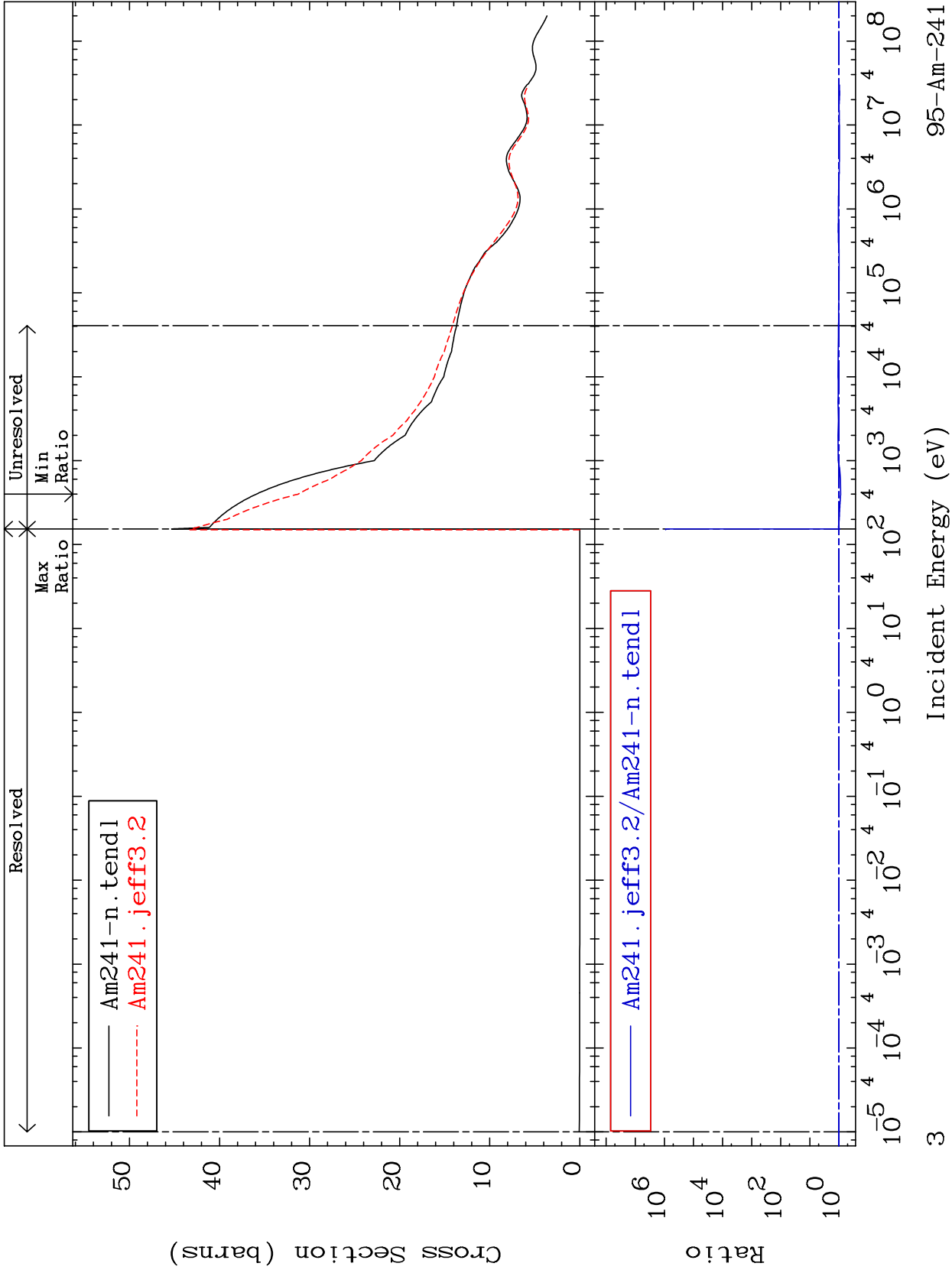
2

Incident Energy (MeV)

95-Am-241

MAT 9543

Total Cross Section
95-Am-241
-12.94 To 9999. %



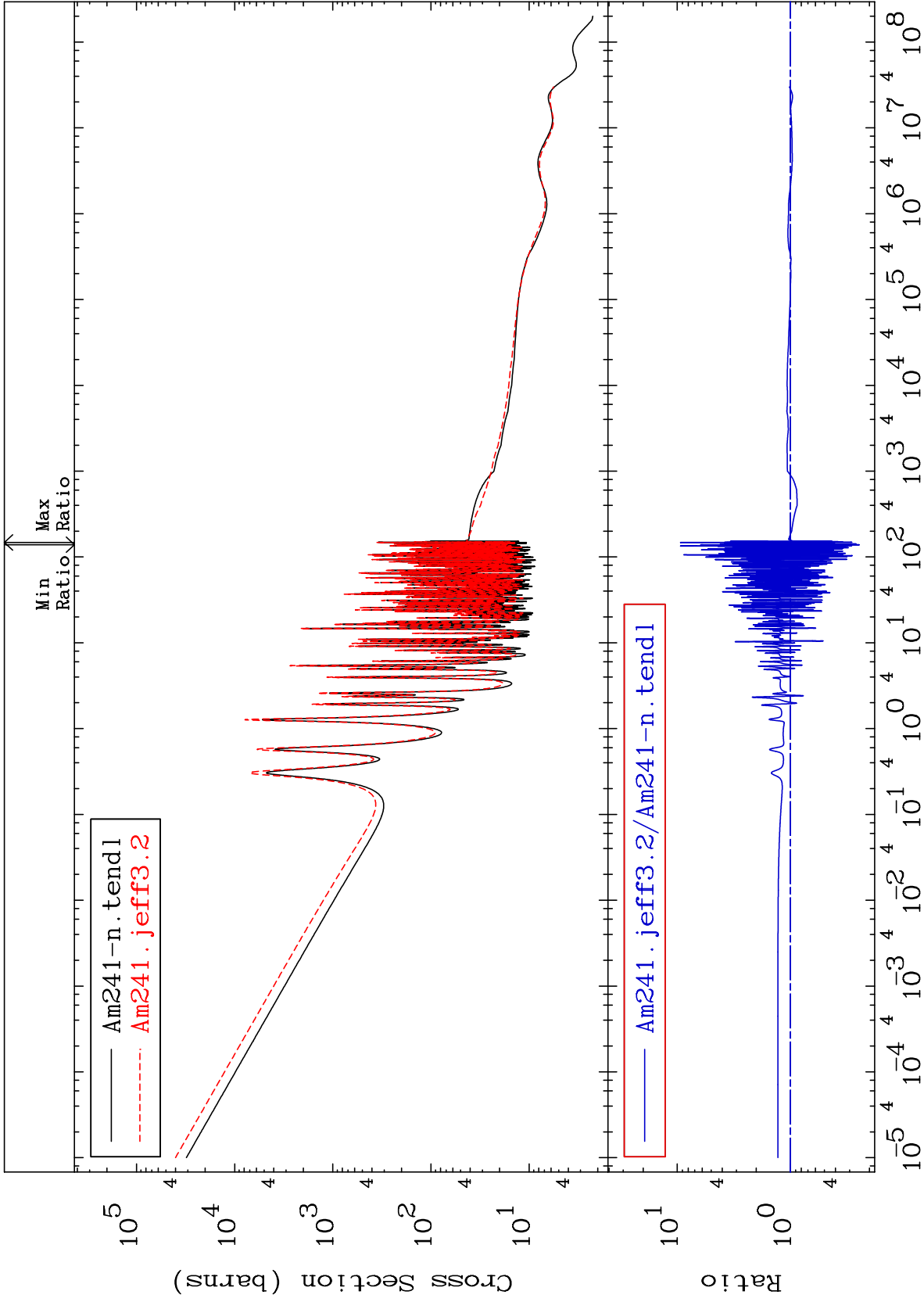
95-Am-241

Incident Energy (eV)

3

MAT 9543

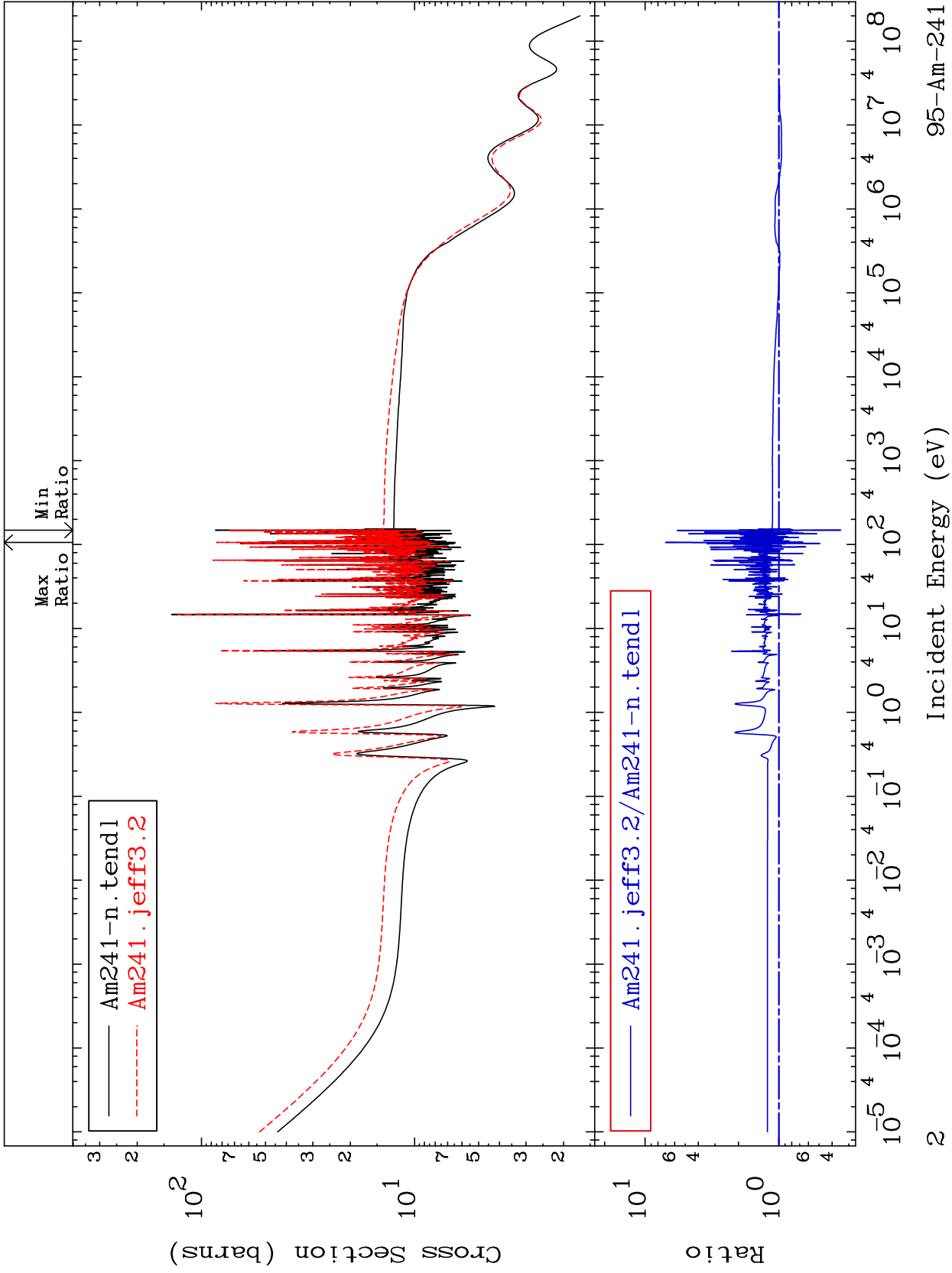
Total Cross Section
95-Am-241
-75.47 To 837.5 %



Incident Energy (eV) 95-Am-241

MAT 9543

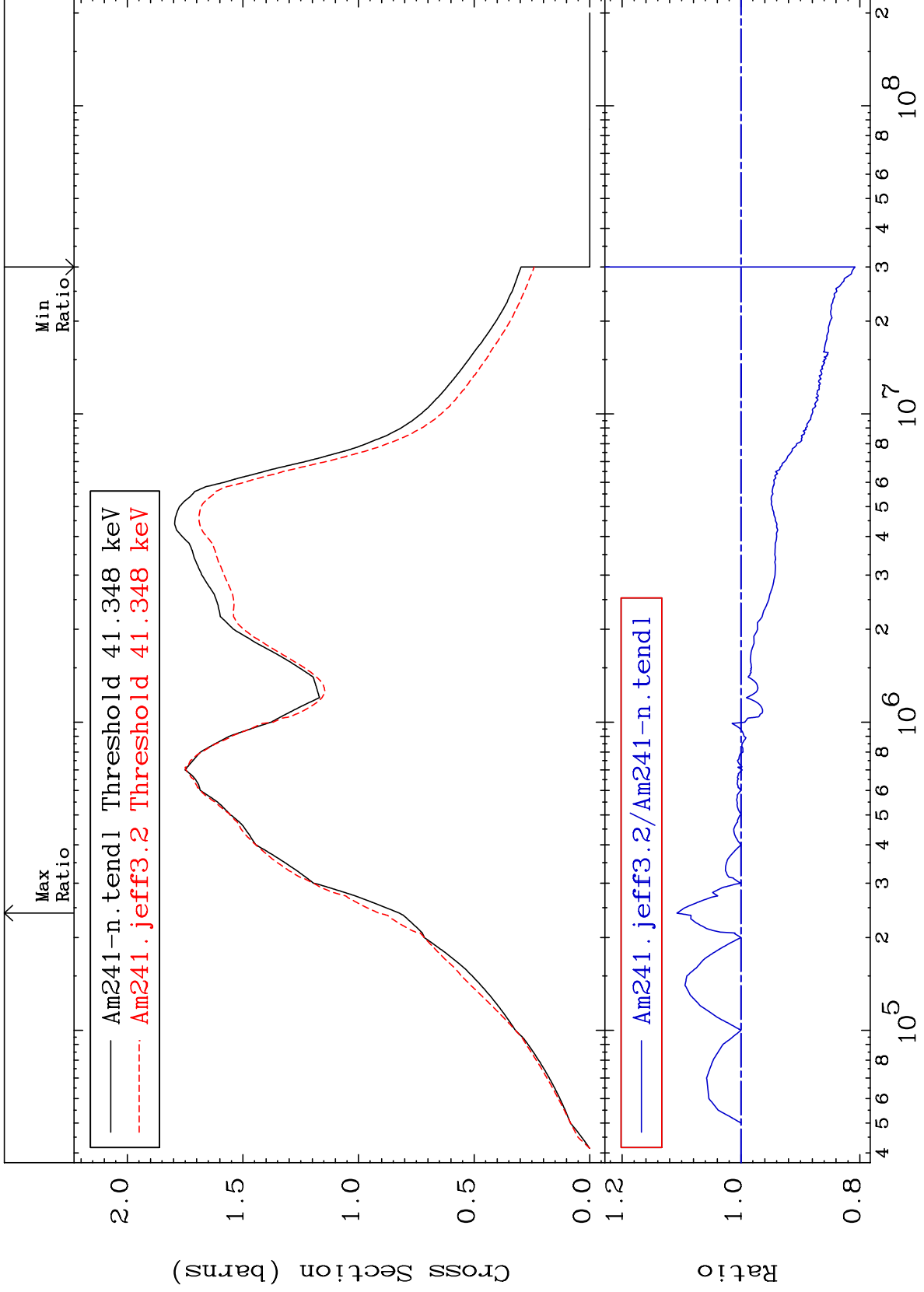
Elastic Cross Section 95-Am-241
-65.48 To 602.6 %



MAT 9543

Inelastic
Cross Section

95-Am-241
-19.20 To 10.79 %



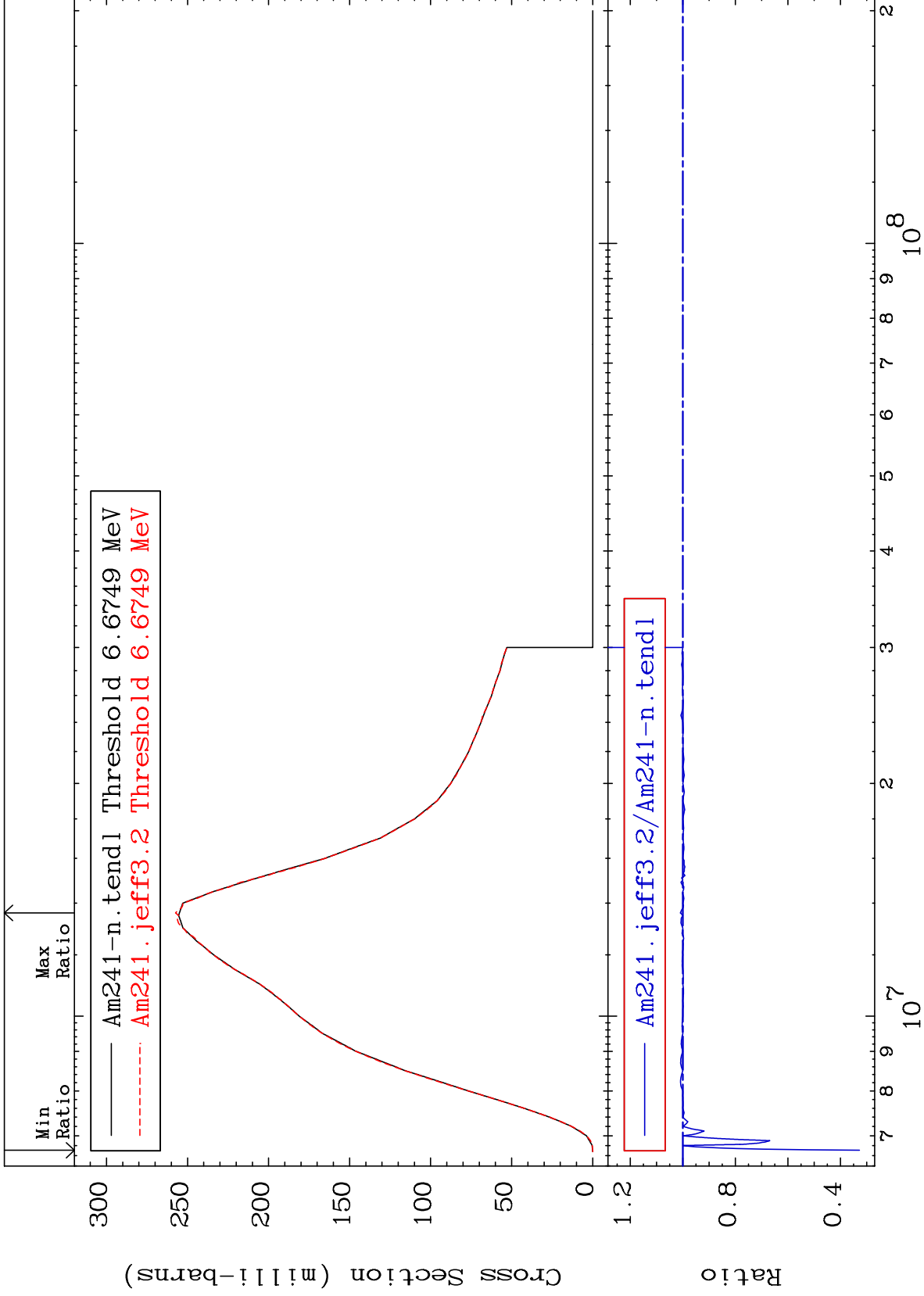
MAT 9543

(n,2n)

95-Am-241

Cross Section

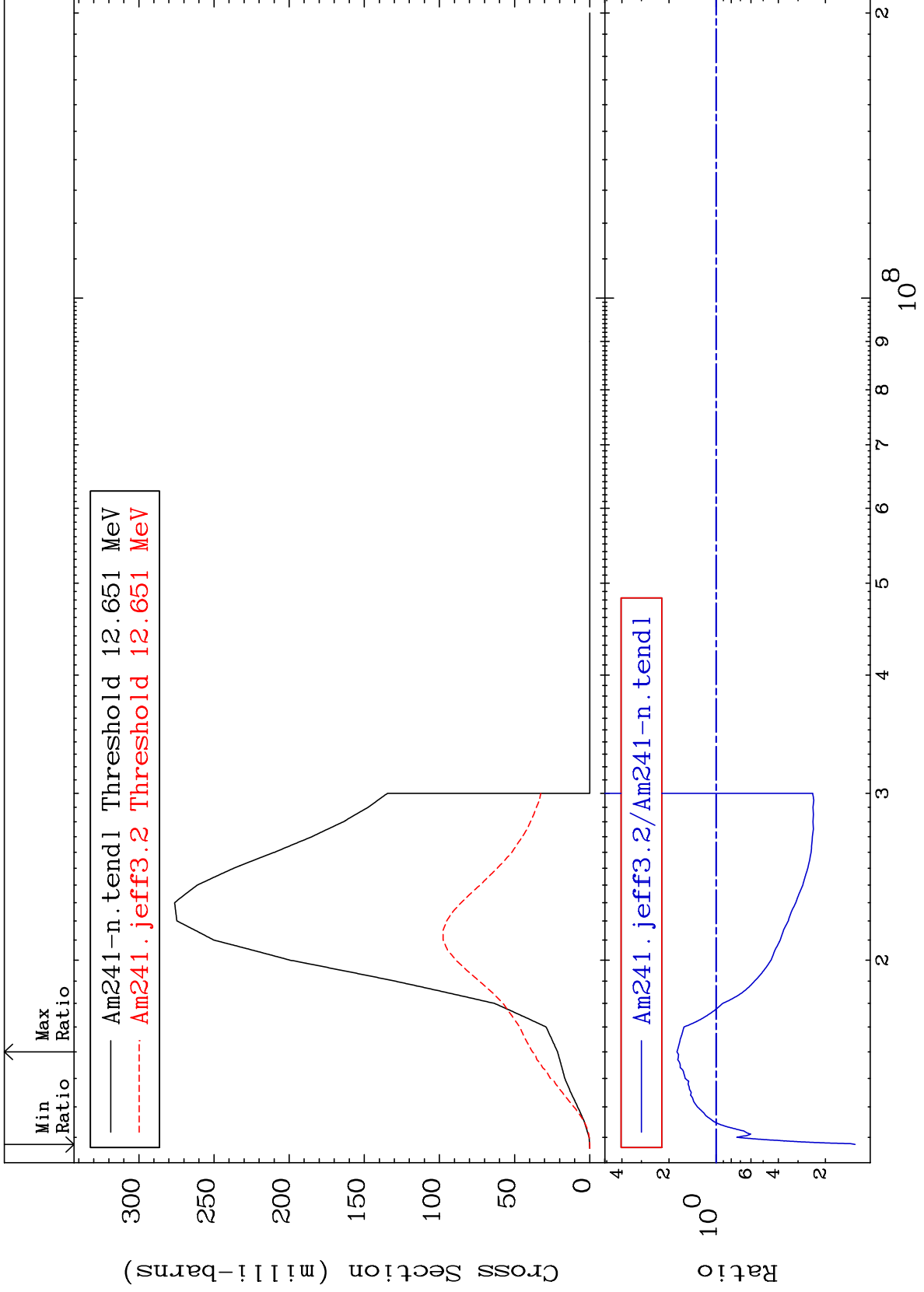
-67.23 To 0.961 %



MAT 9543

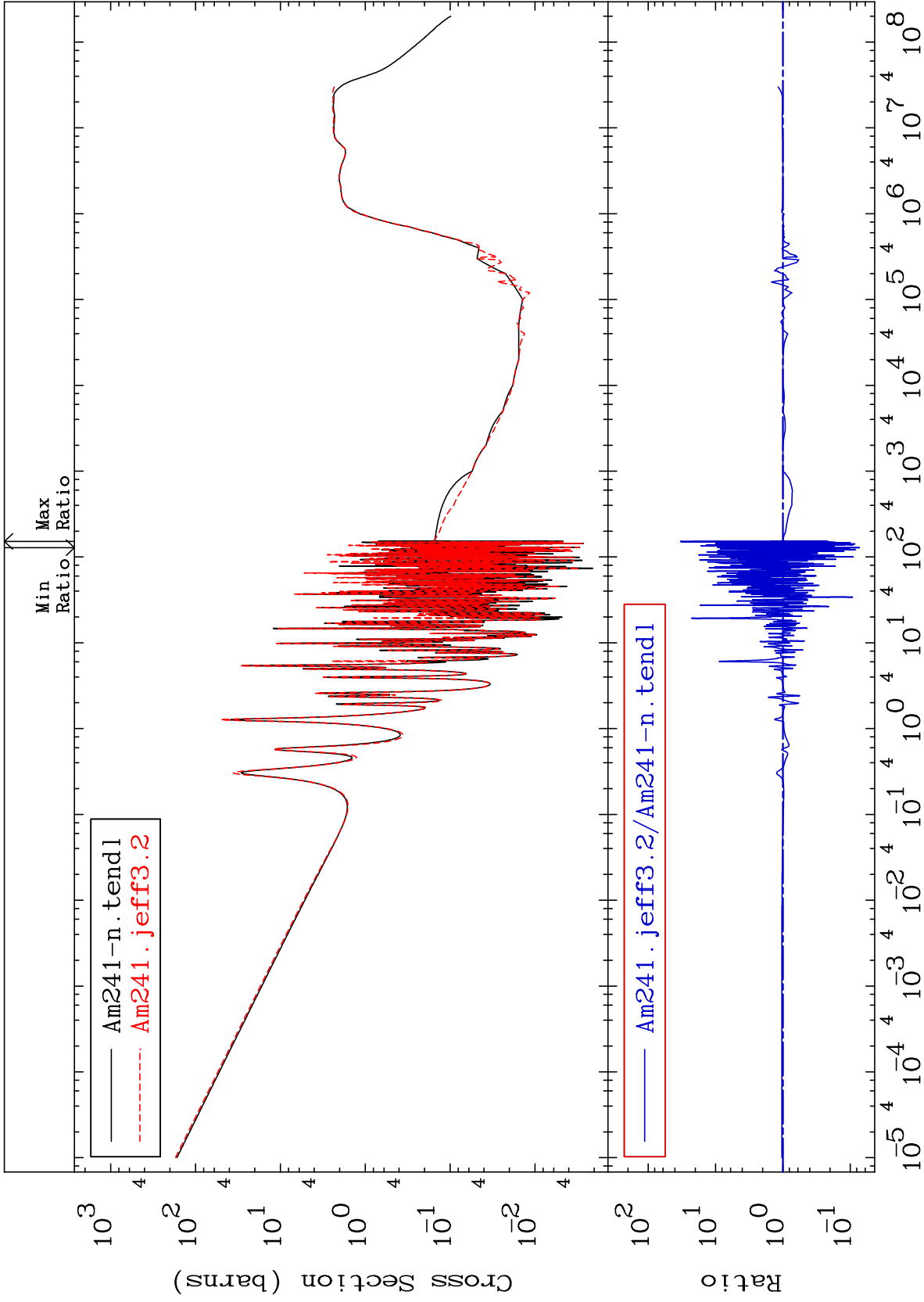
(n,3n)
Cross Section

95-Am-241
-87.06 To 78.13 %



MAT 9543

Fission Cross Section 95-Am-241
-92.69 To 3227. %



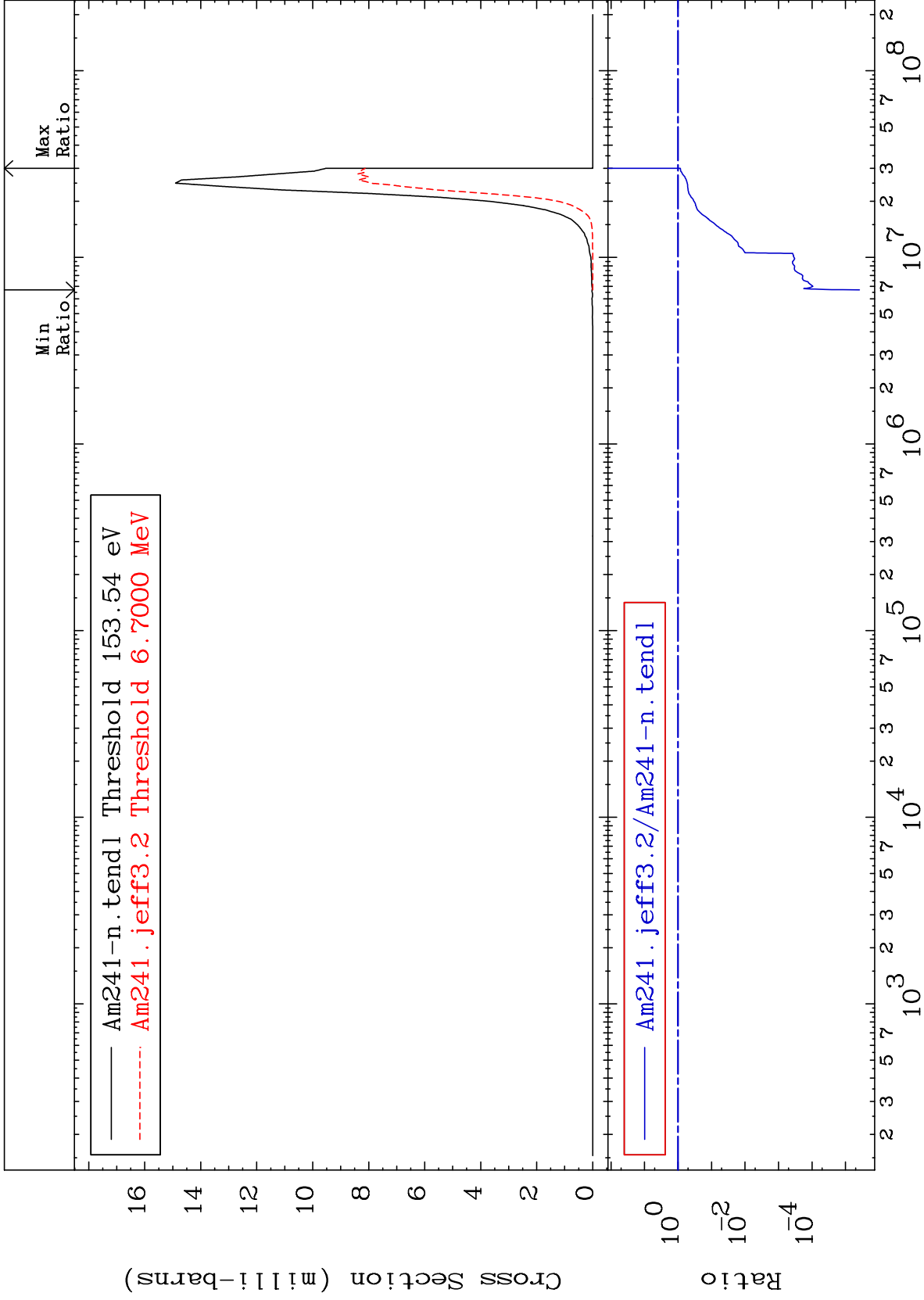
Incident Energy (eV)

95-Am-241

MAT 9543

(n, n') α
Cross Section

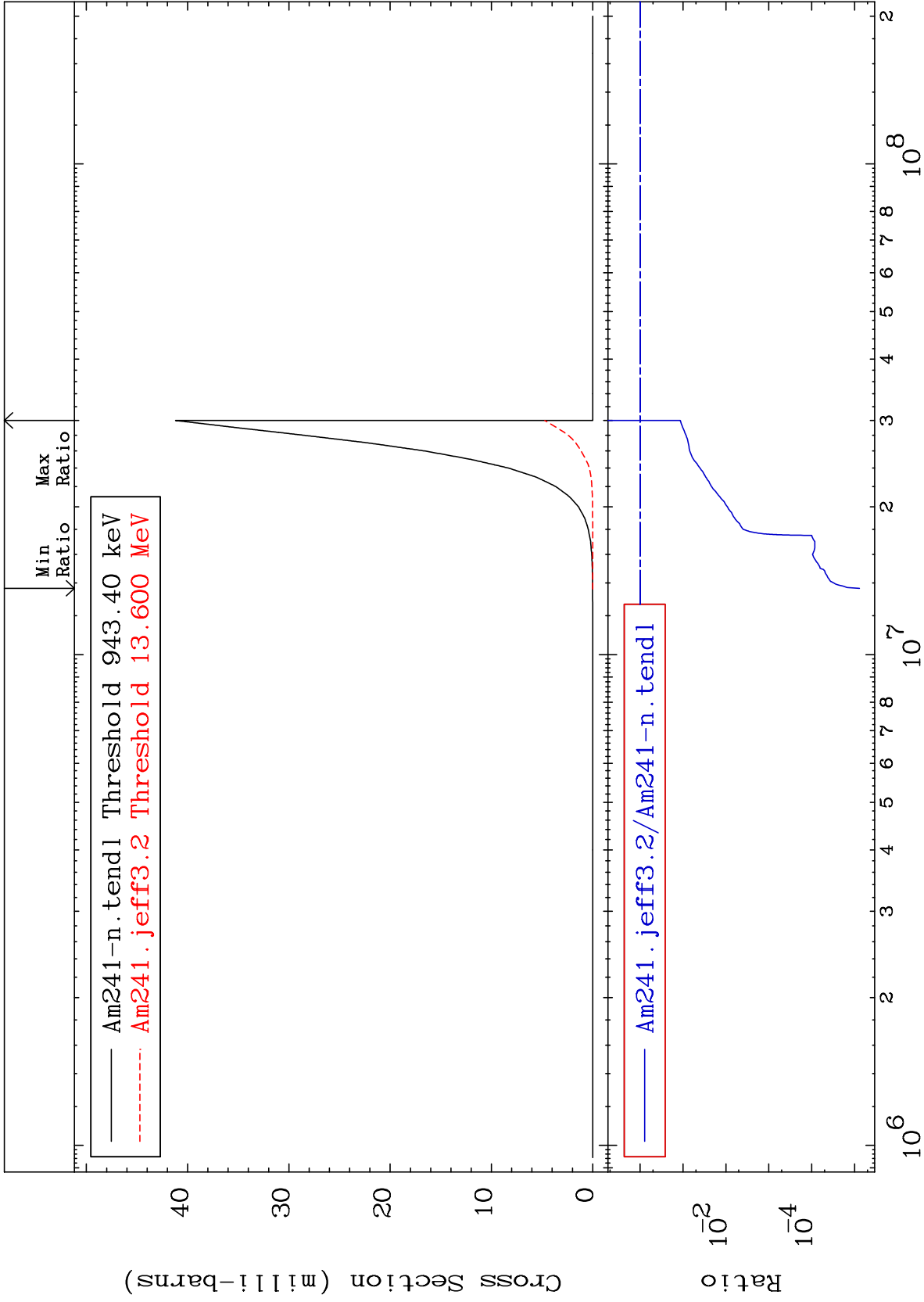
95-Am-241
-100.0 To -14.81%



MAT 9543

(n,2n) α
Cross Section

95-Am-241
-100.0 To -88.51%

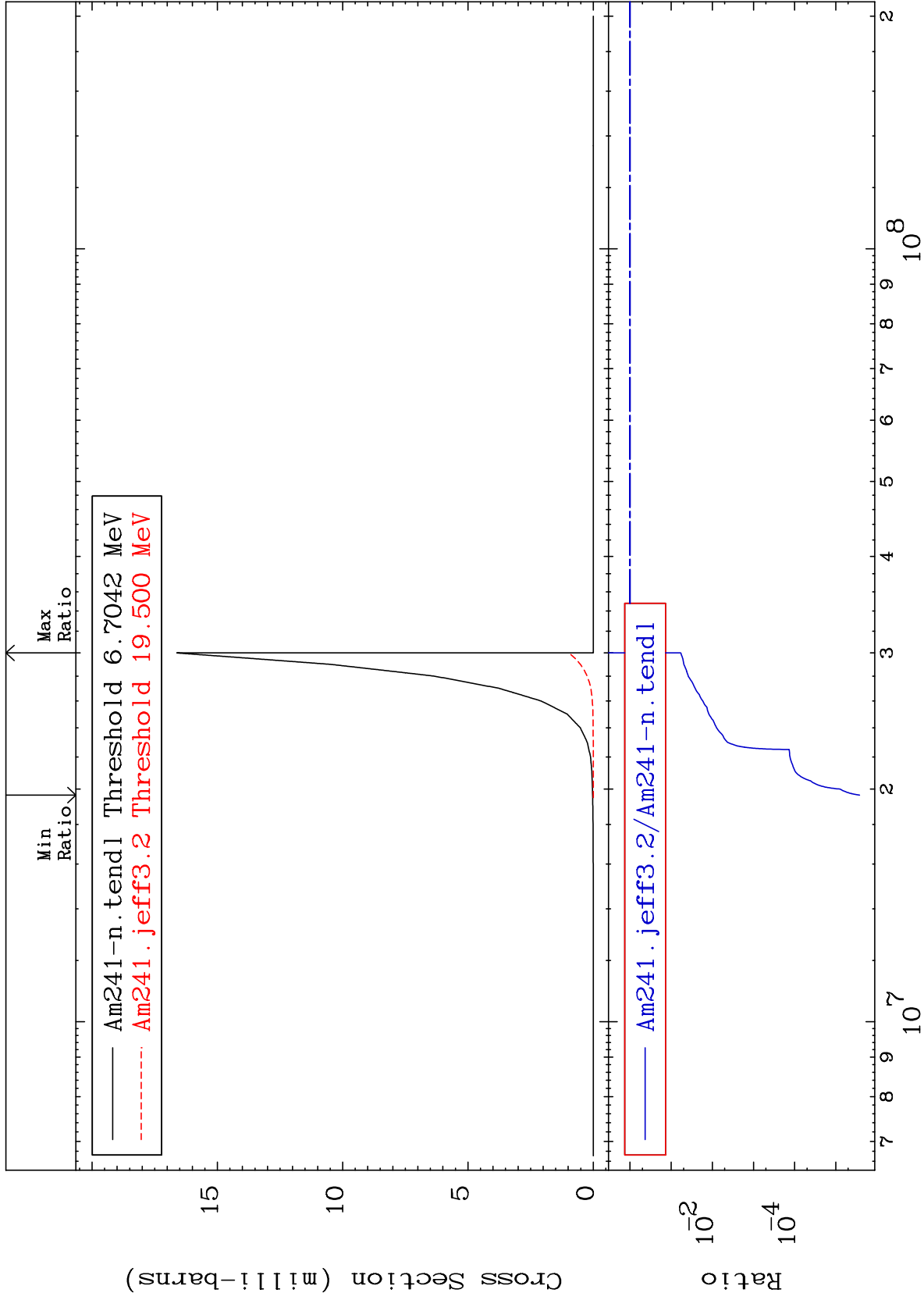


Incident Energy (eV)

95-Am-241

MAT 9543

(n,3n) α
Cross Section
95-Am-241
-100.0 To -94.15%



9

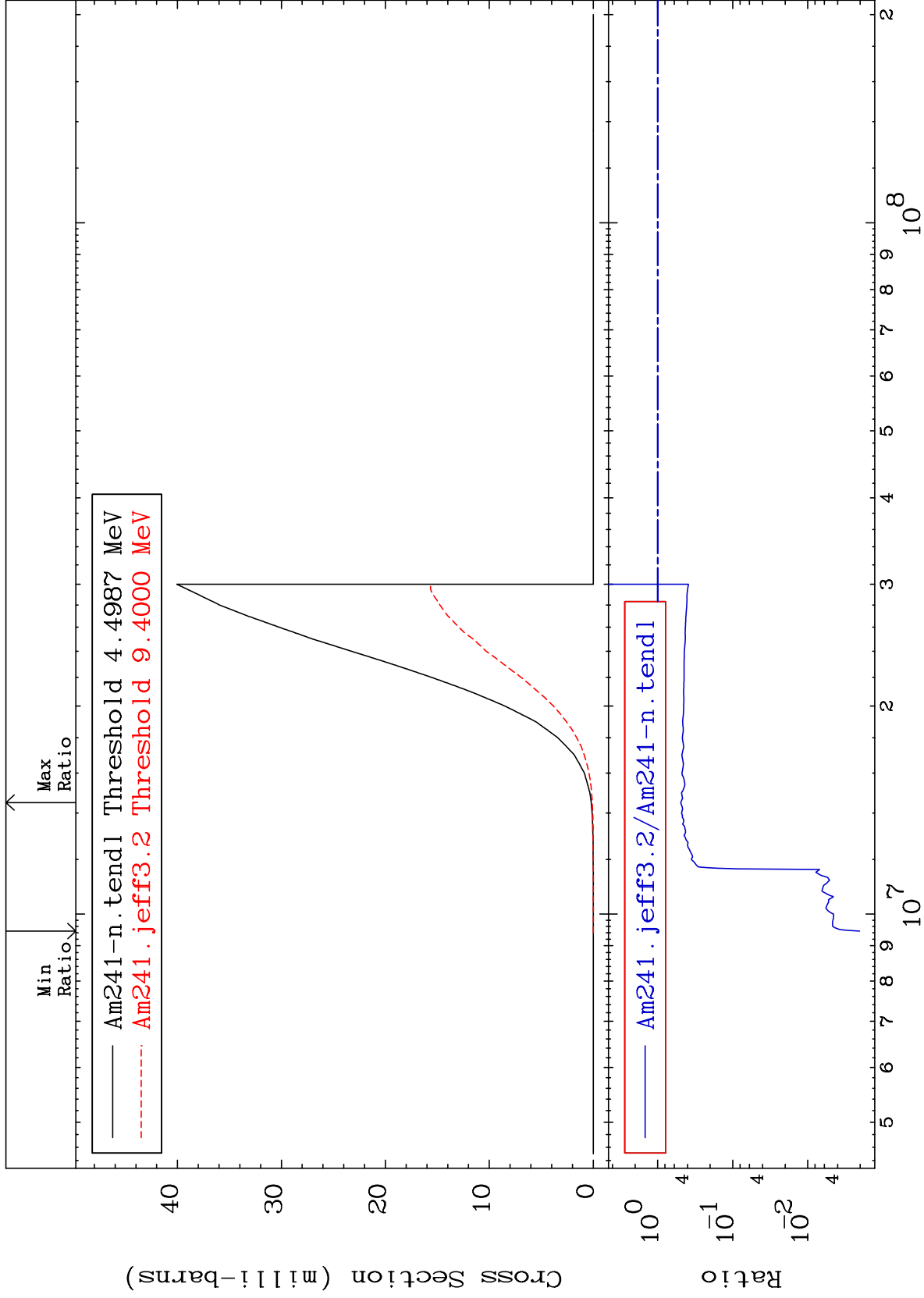
Incident Energy (eV)

95-Am-241

MAT 9543

(n, n') p
Cross Section

95-Am-241
-99.80 To -50.71%



10

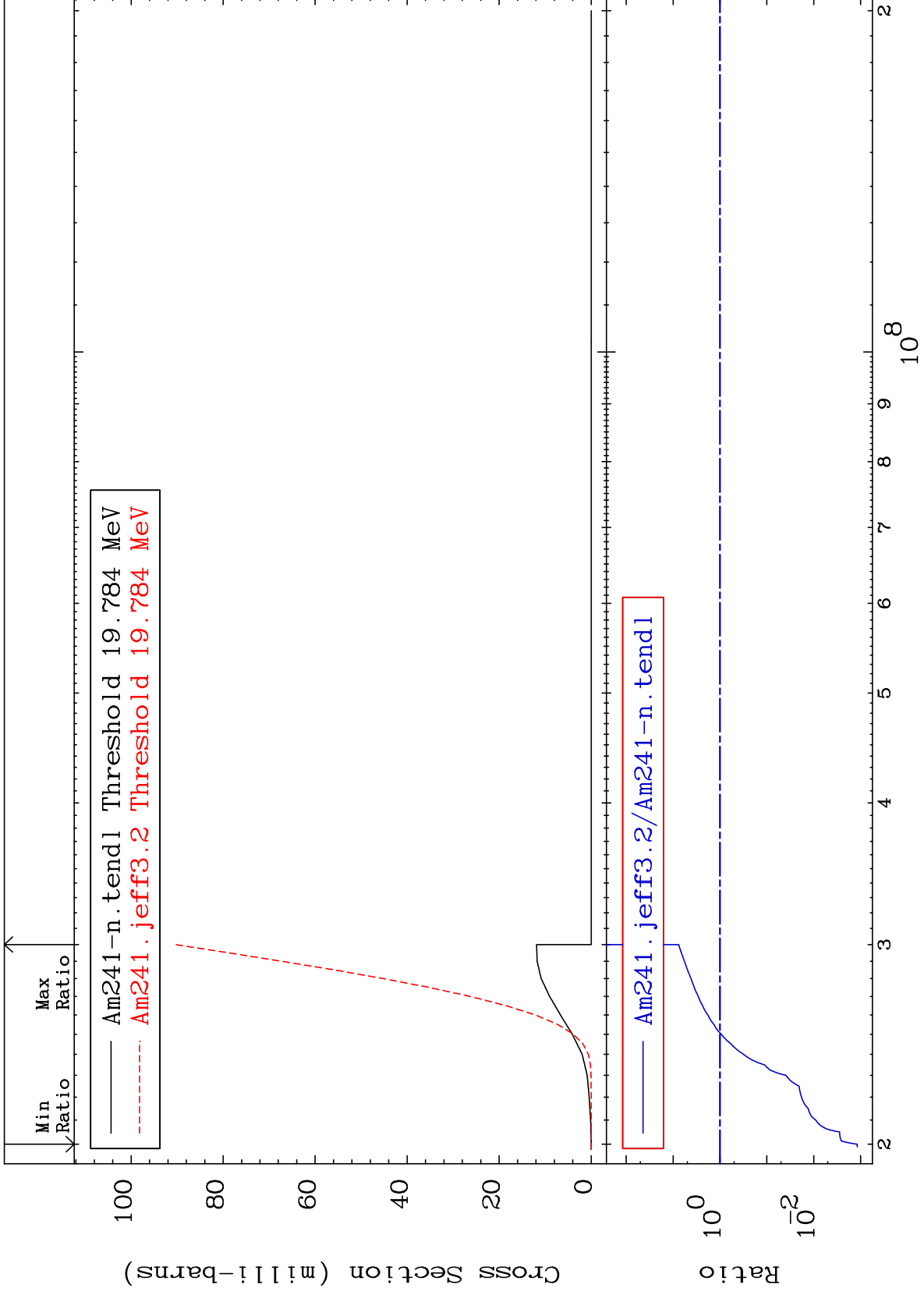
Incident Energy (eV)

95-Am-241

MAT 9543

(n,4n)
Cross Section

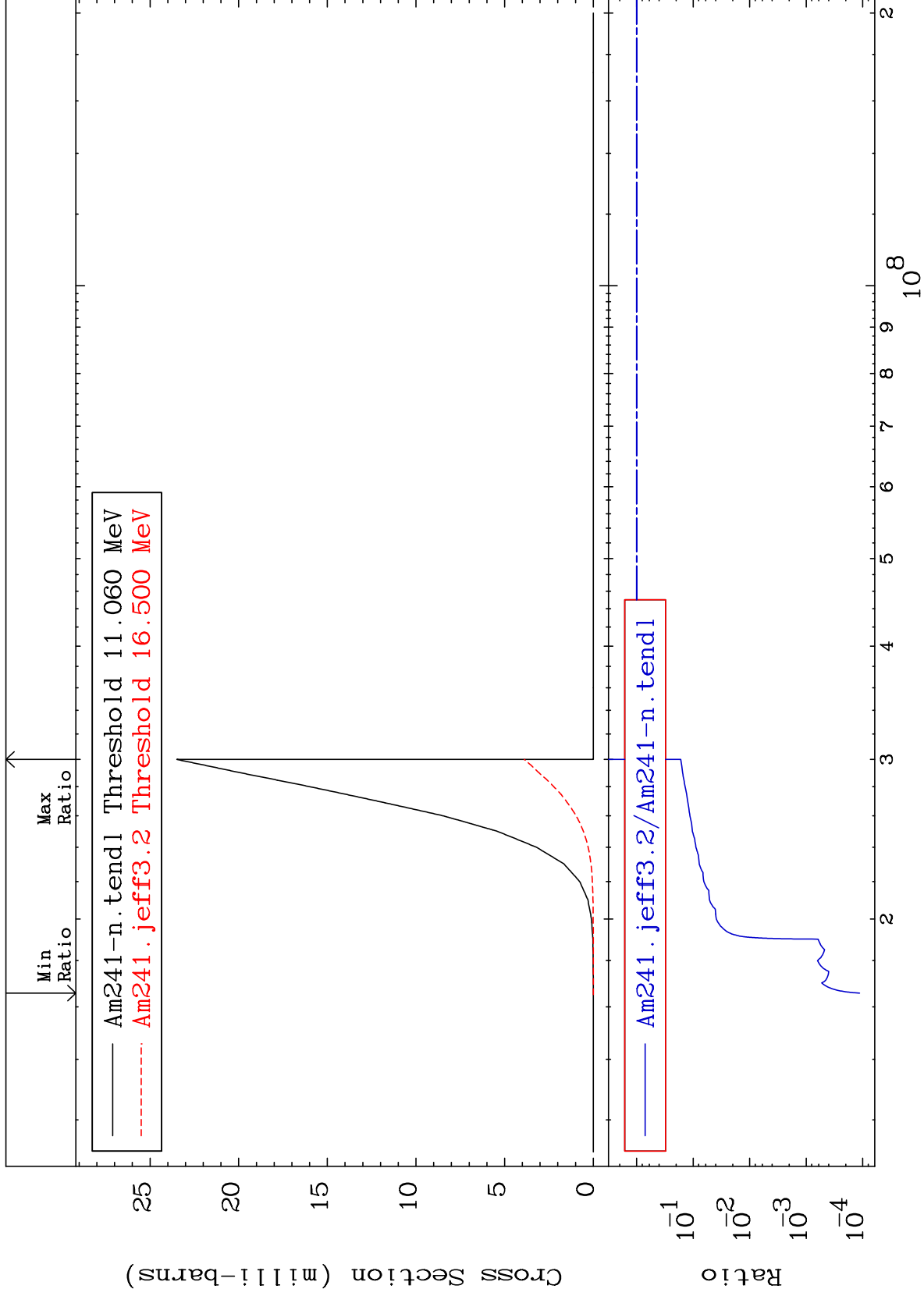
95-Am-241
-99.88 To 662.8 %



MAT 9543

(n,2n) p
Cross Section

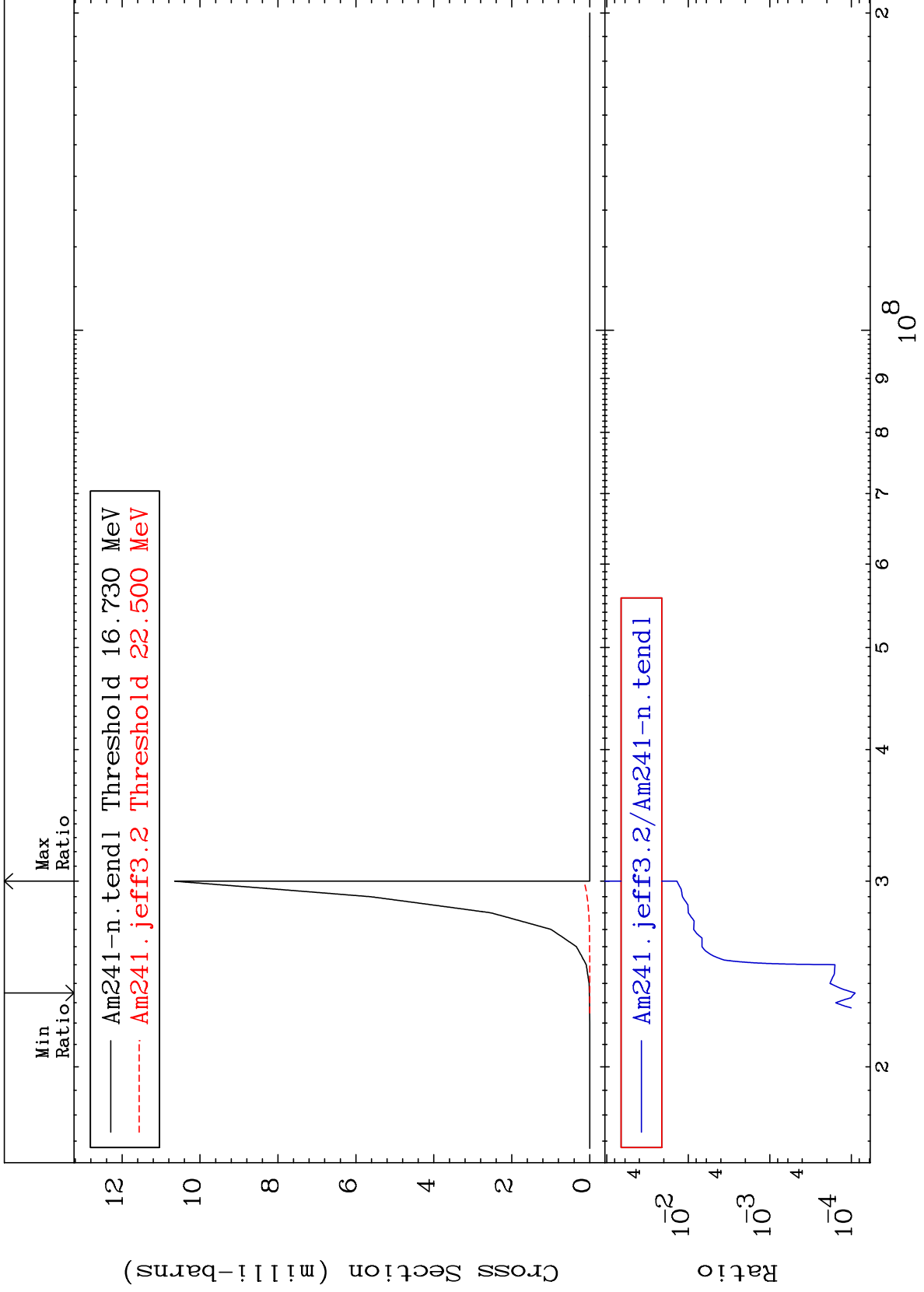
95-Am-241
-99.99 To -83.43%



MAT 9543

(n,3n) p
Cross Section

95-Am-241
-99.99 To -98.62%



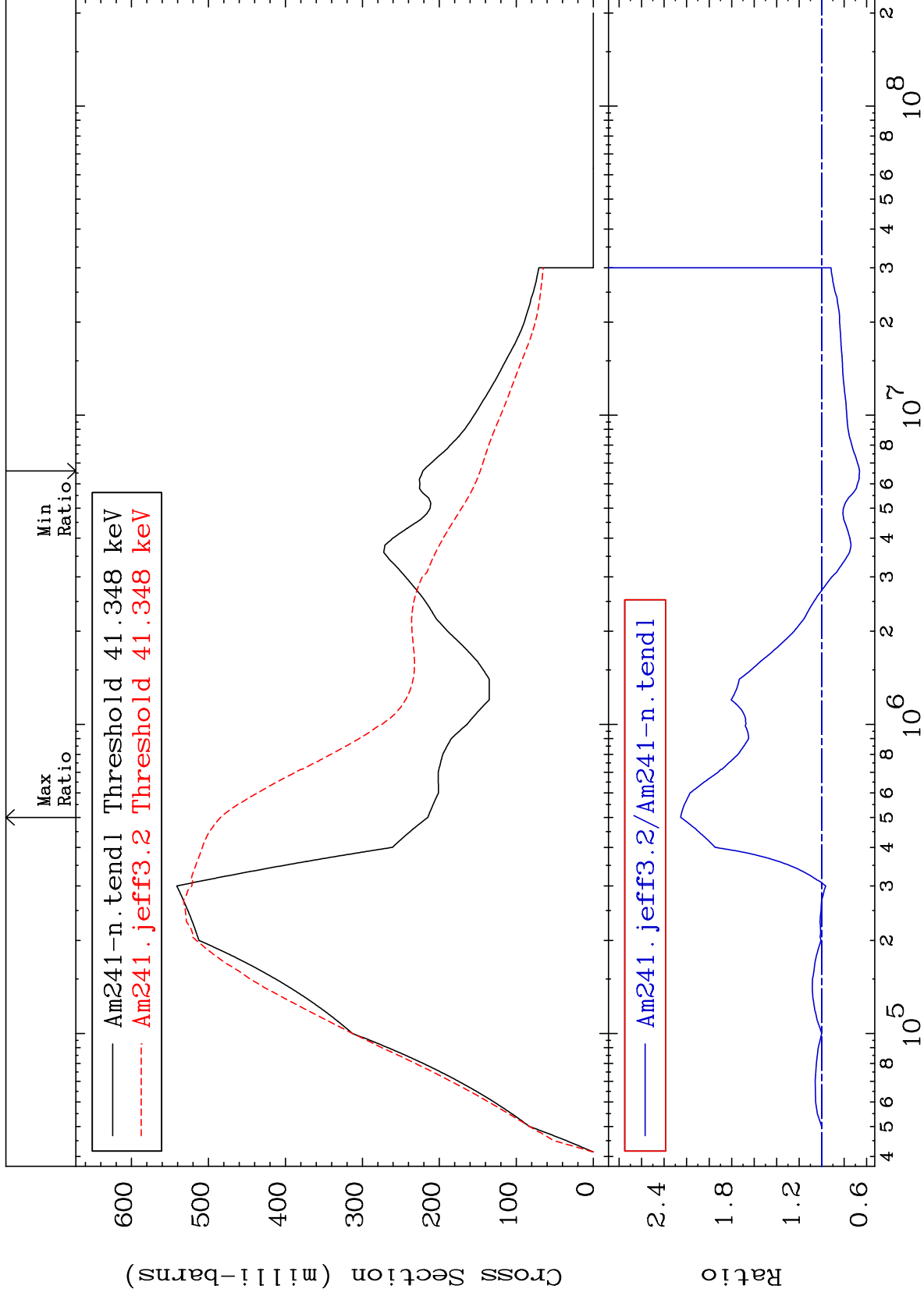
MAT 9543

41.18 keV (n,n') Level

95-Am-241

-33.68 To 125.2 %

Cross Section



14

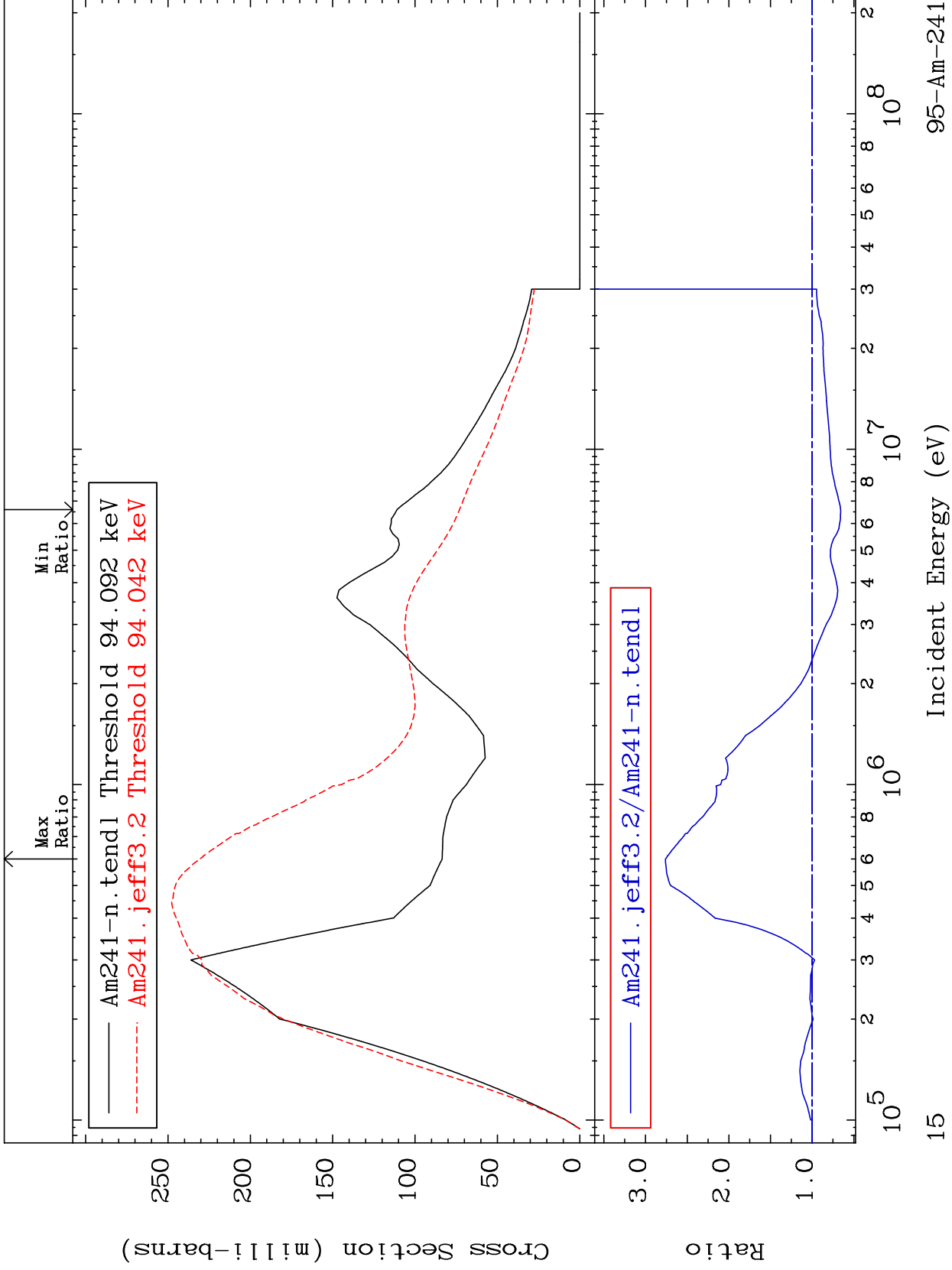
Incident Energy (eV)

95-Am-241

MAT 9543

93.70 keV (n,n') Level
Cross Section

95-Am-241
-34.19 To 176.1 %



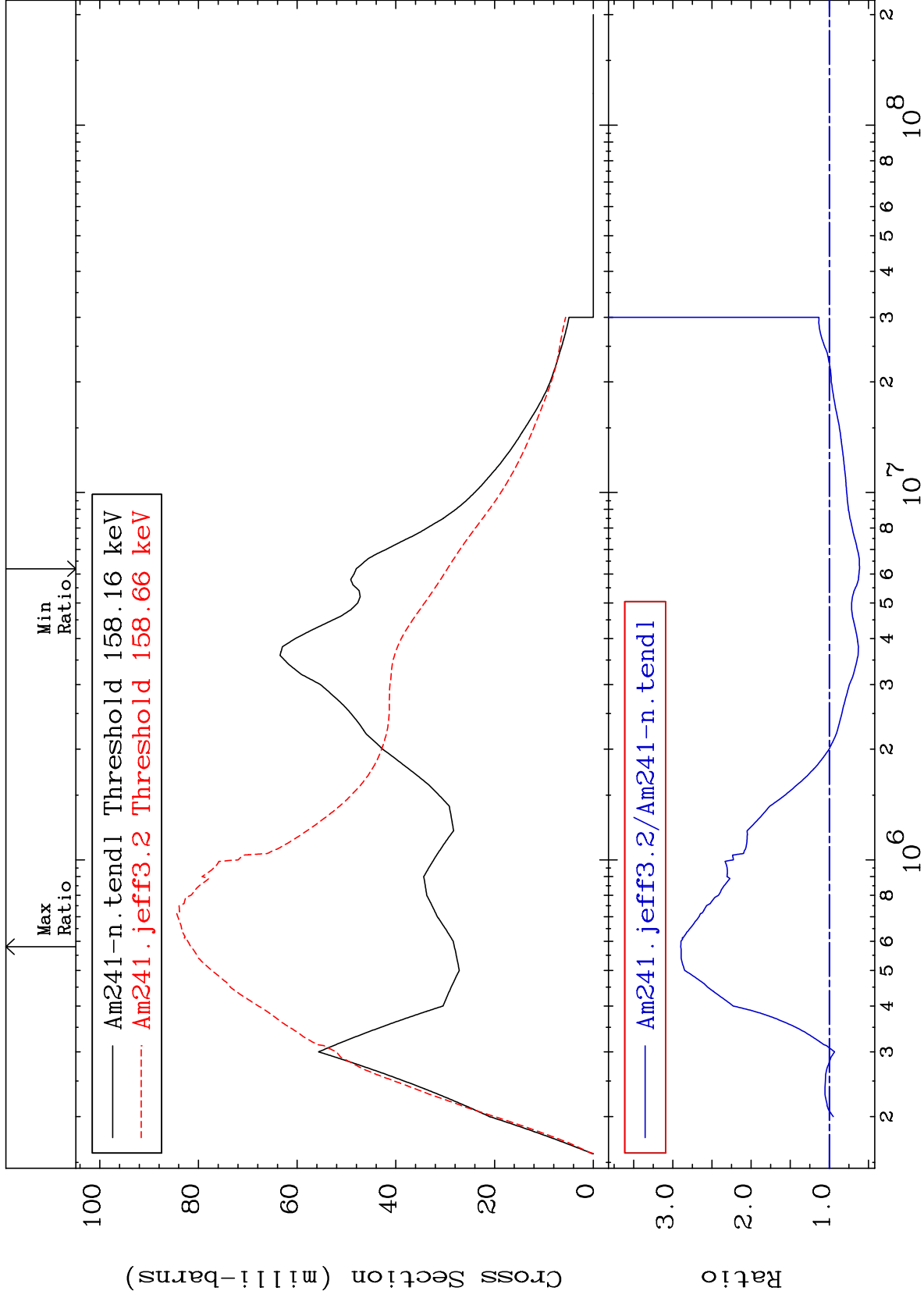
MAT 9543

157.5 keV (n,n') Level

95-Am-241

-38.48 To 189.8 %

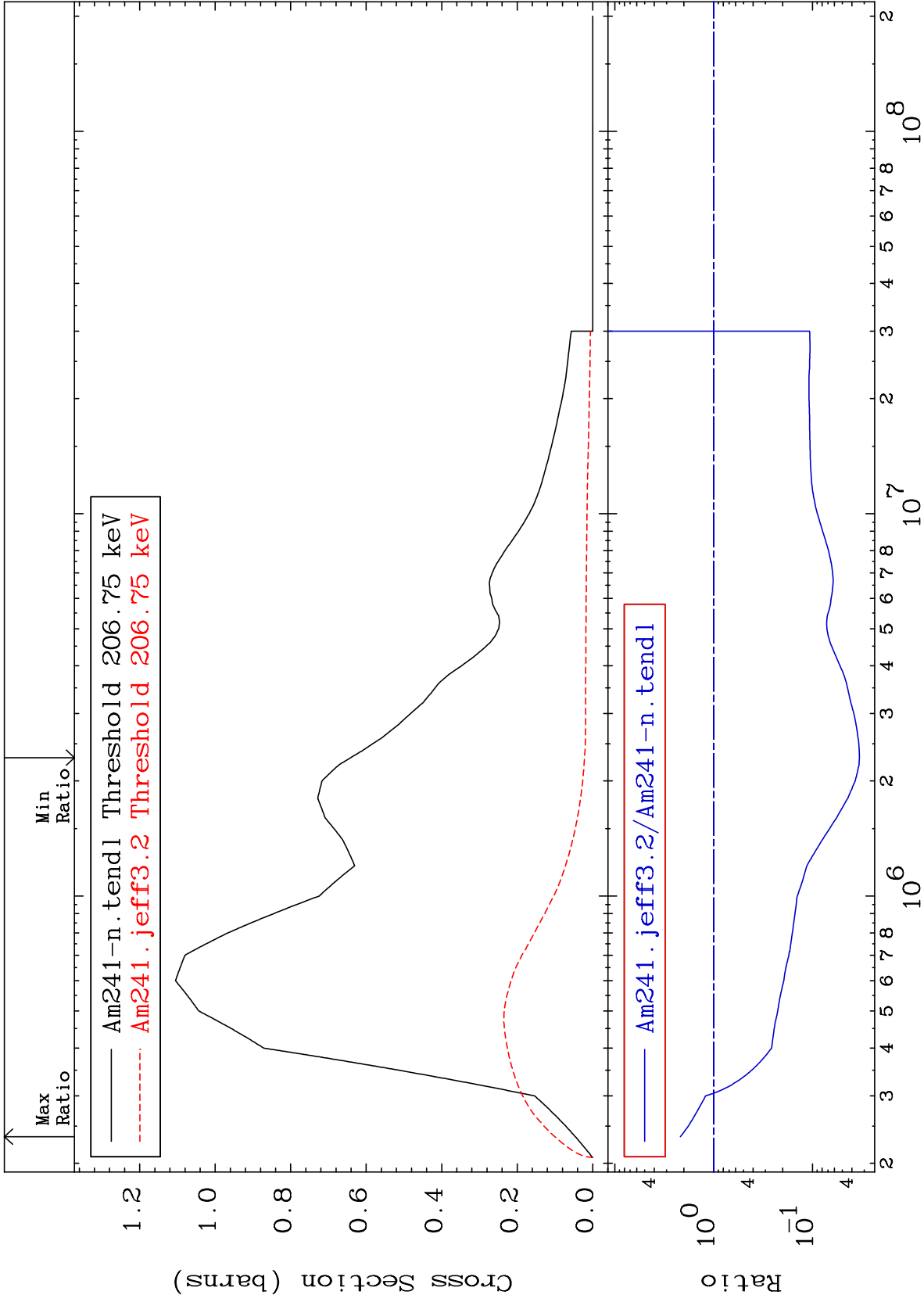
Cross Section



MAT 9543

205.9 keV (n,n') Level
Cross Section

95-Am-241
-96.64 To 117.3 %



17

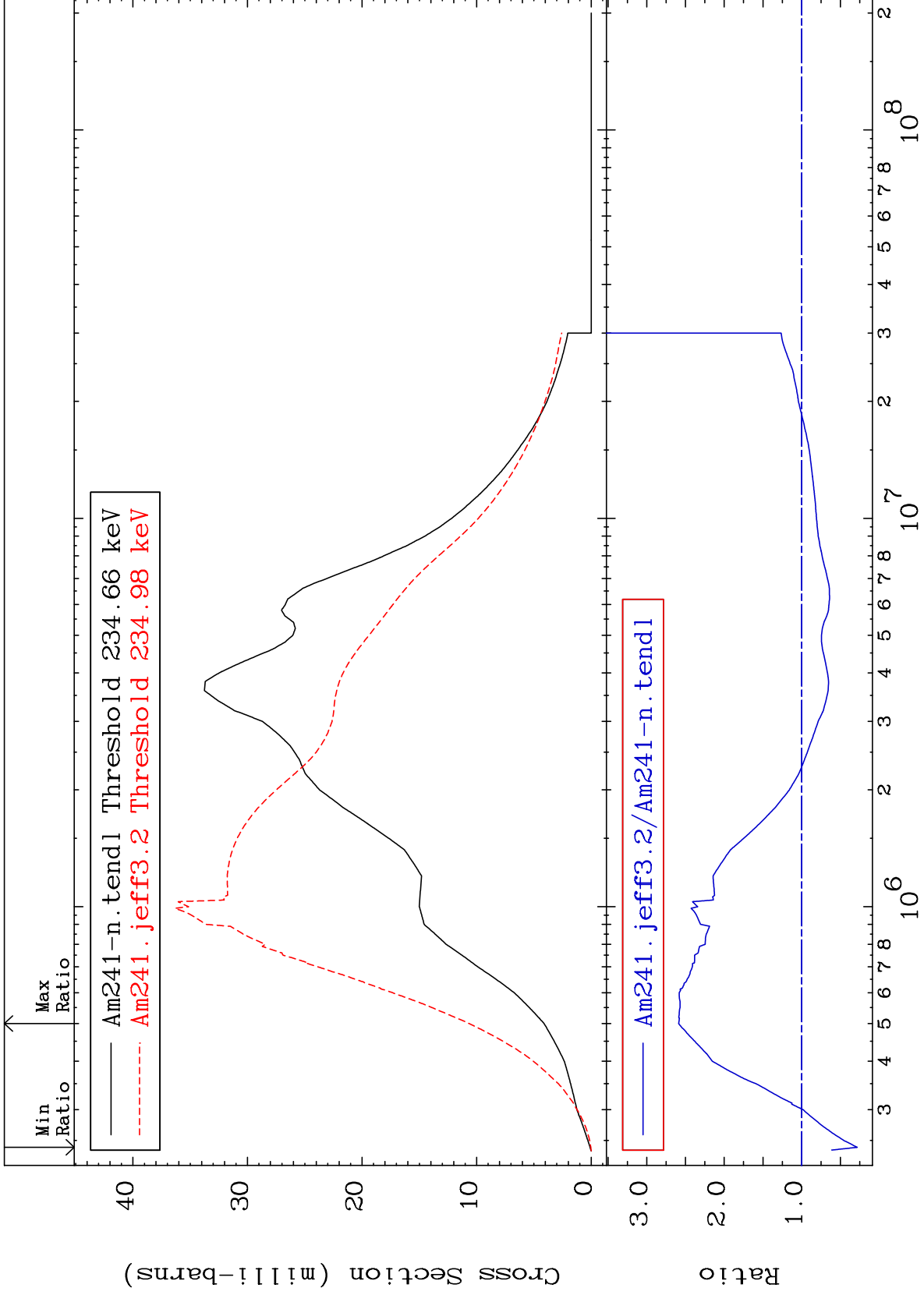
Incident Energy (eV)

95-Am-241

MAT 9543

233.7 keV (n,n') Level
Cross Section

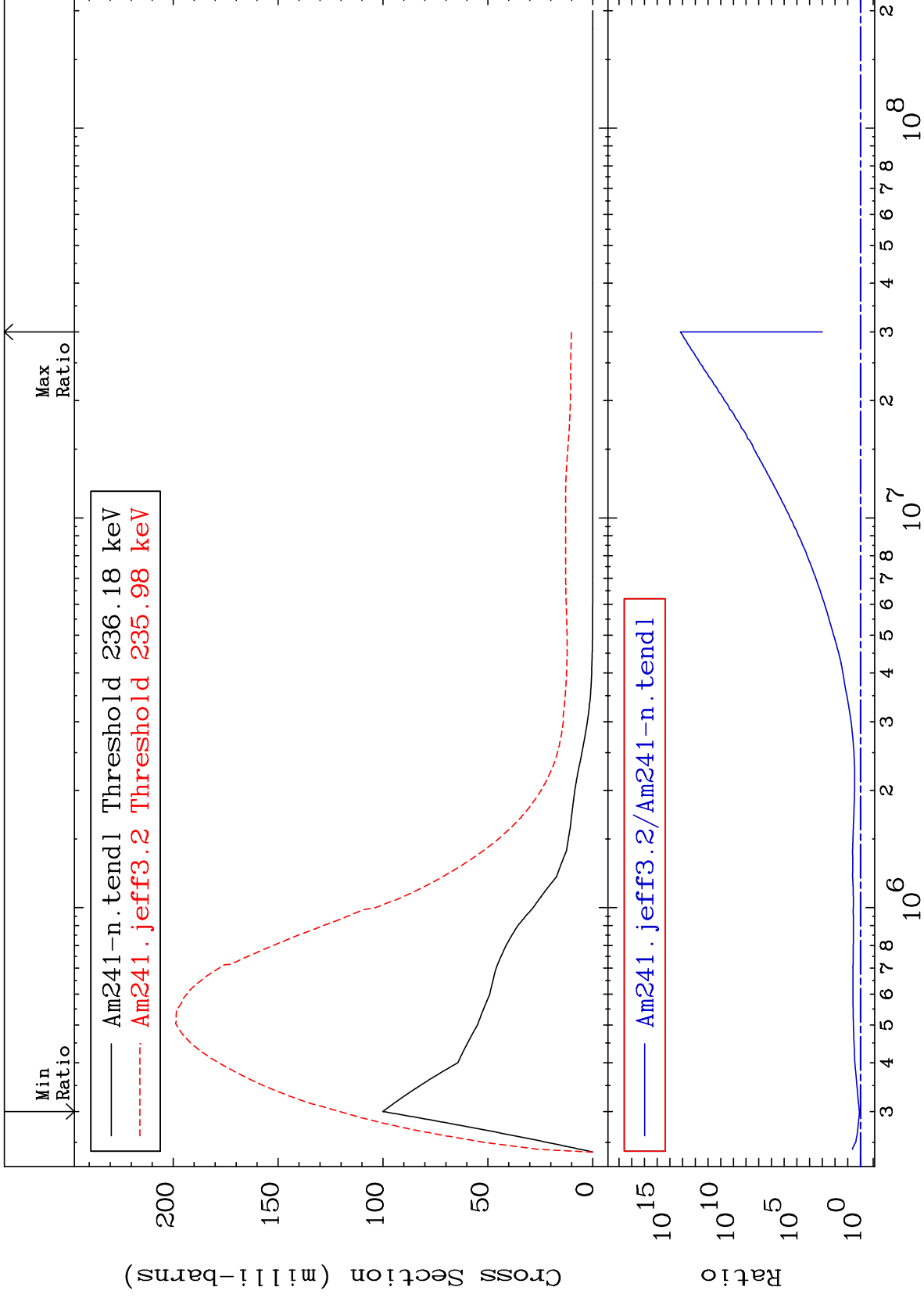
95-Am-241
-71.74 To 158.8 %



MAT 9543

235.2 keV (n,n') Level
Cross Section

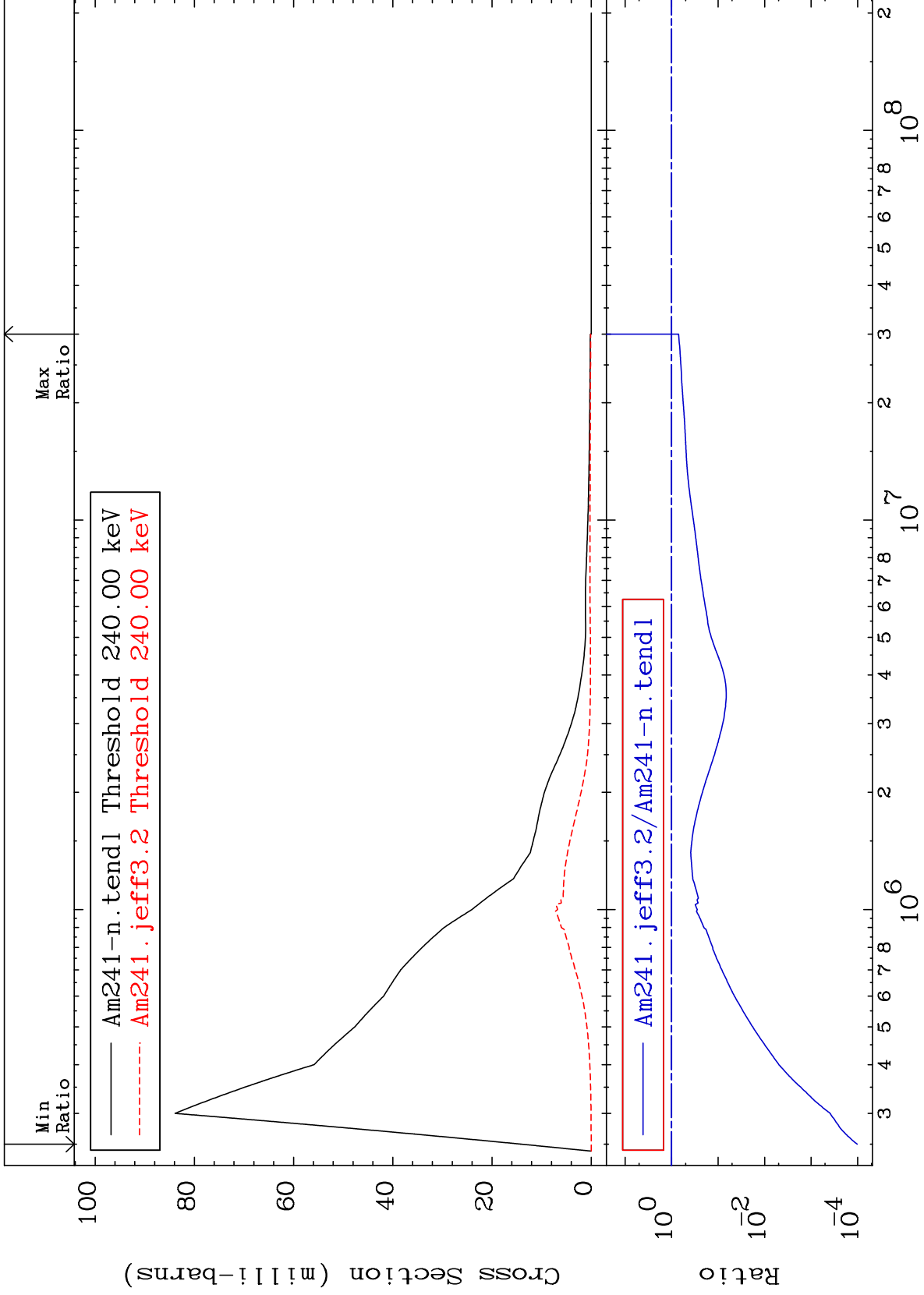
95-Am-241
20.57 To 9999. %



MAT 9543

239.0 keV (n,n') Level
Cross Section

95-Am-241
-99.99 To -29.37%



20

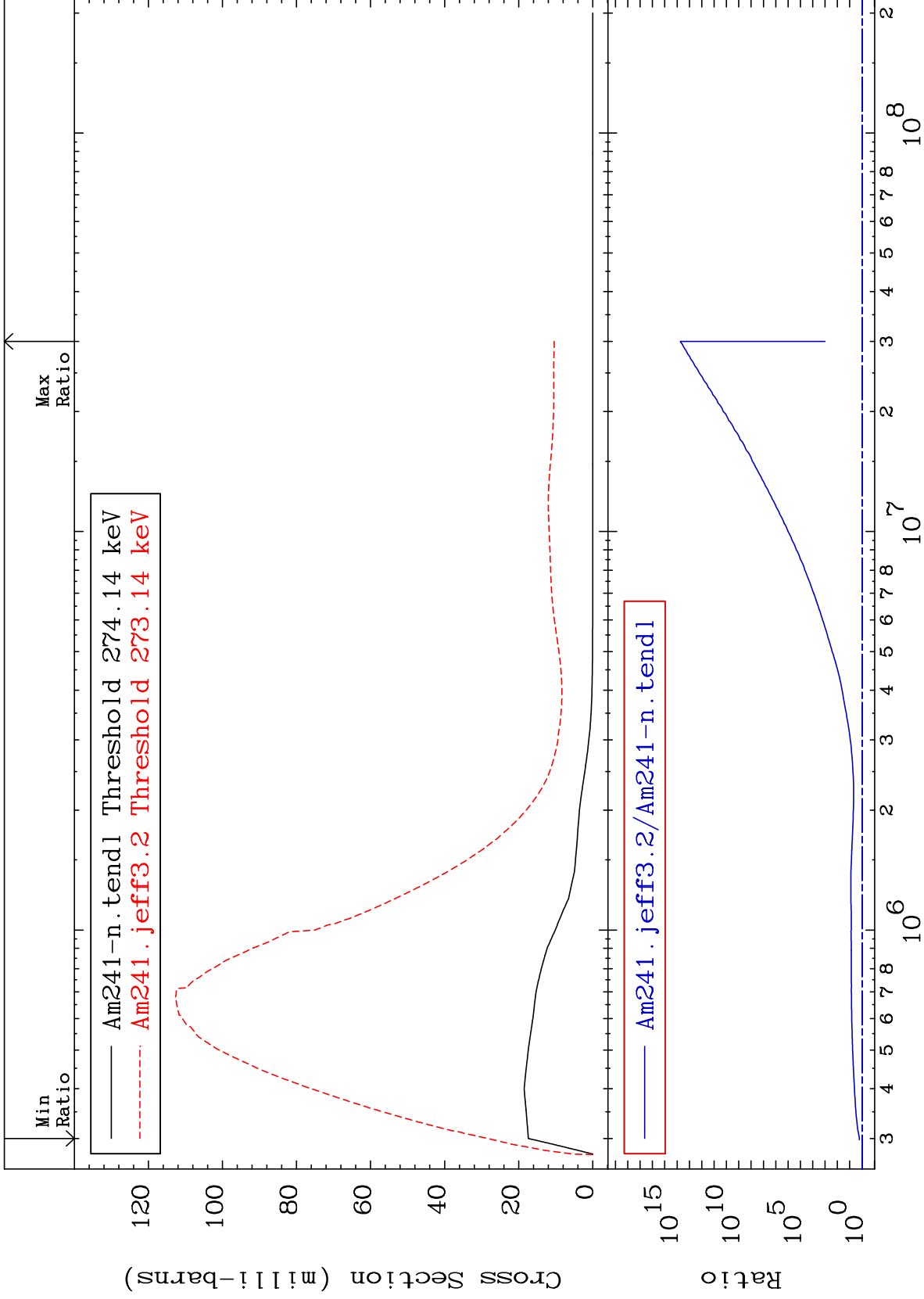
Incident Energy (eV)

95-Am-241

MAT 9543

273.0 keV (n,n') Level
Cross Section

95-Am-241
63.46 To 9999. %



21

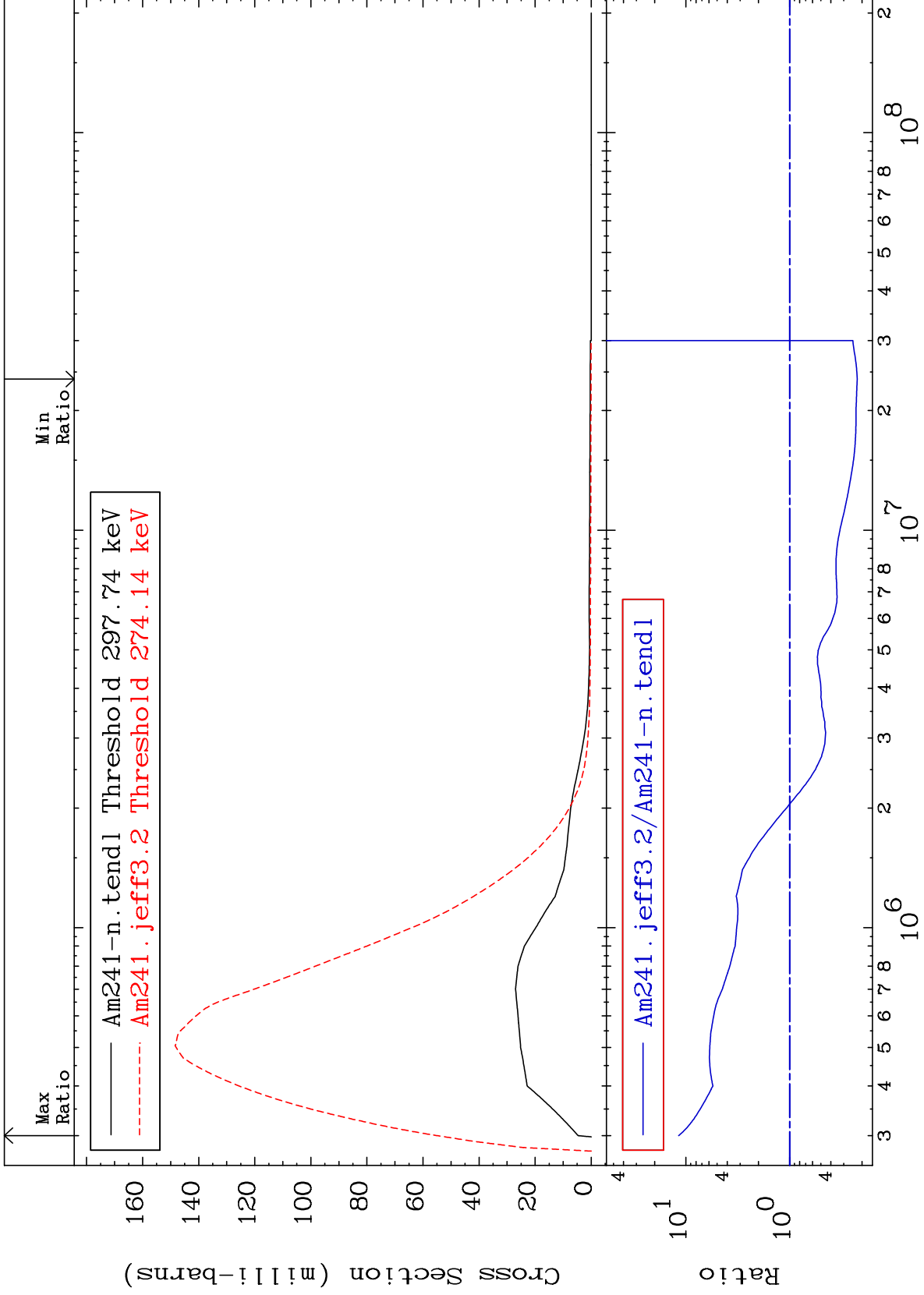
Incident Energy (eV)

95-Am-241

MAT 9543

296.5 keV (n,n') Level
Cross Section

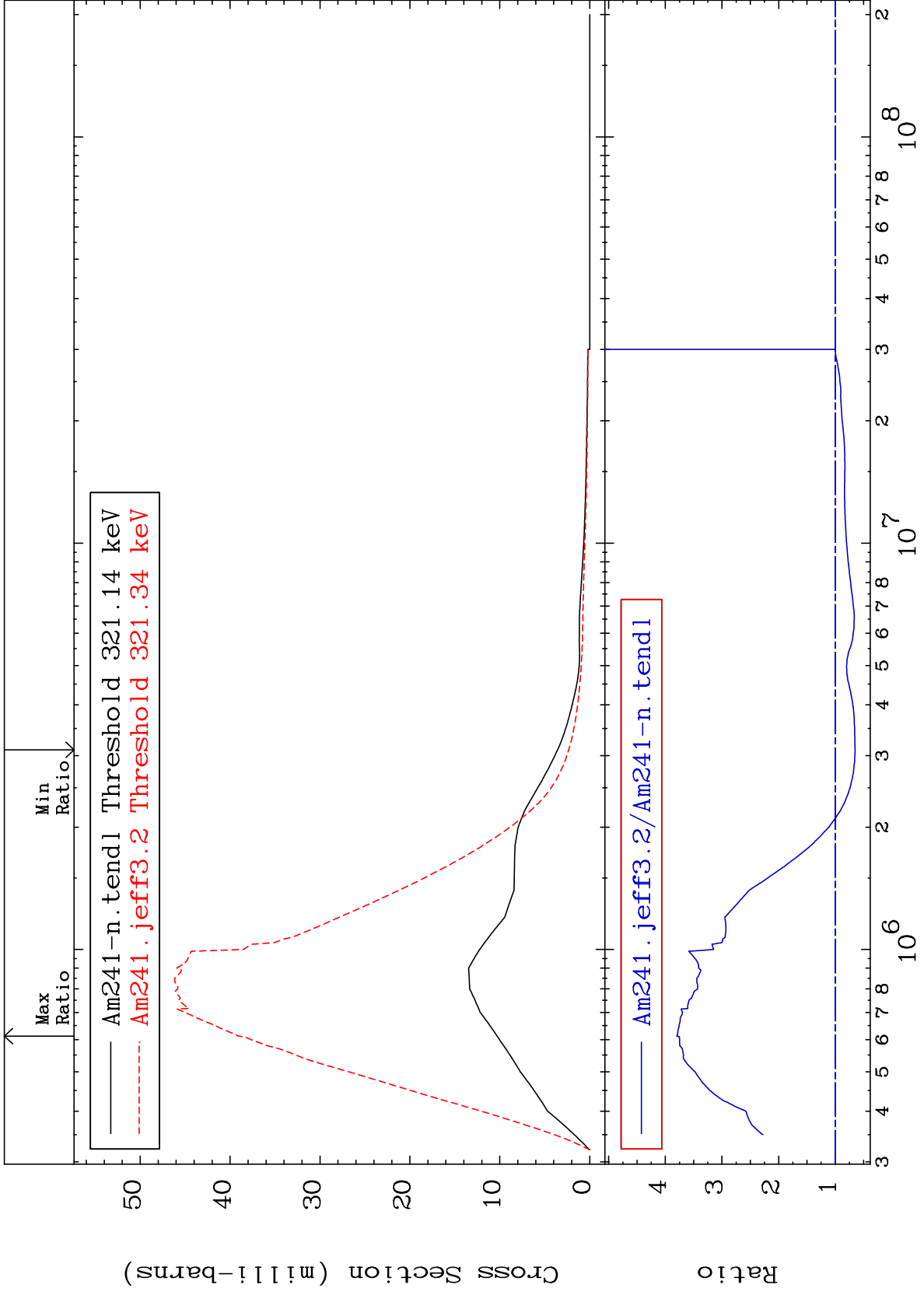
95-Am-241
-77.75 To 1076. %



MAT 9543

319.8 keV (n,n') Level
Cross Section

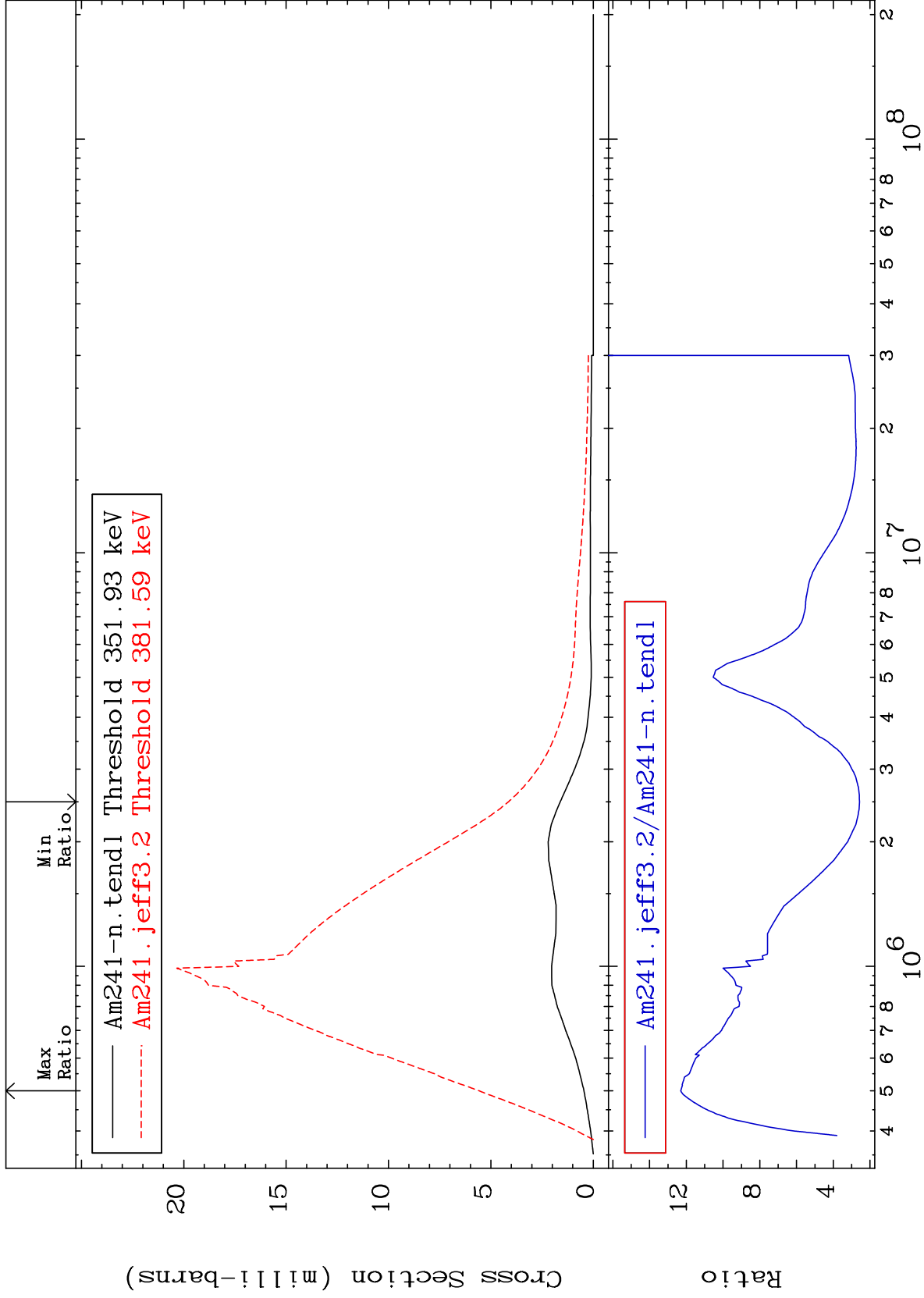
95-Am-241
-34.88 To 279.6 %



MAT 9543

350.5 keV (n,n') Level
Cross Section

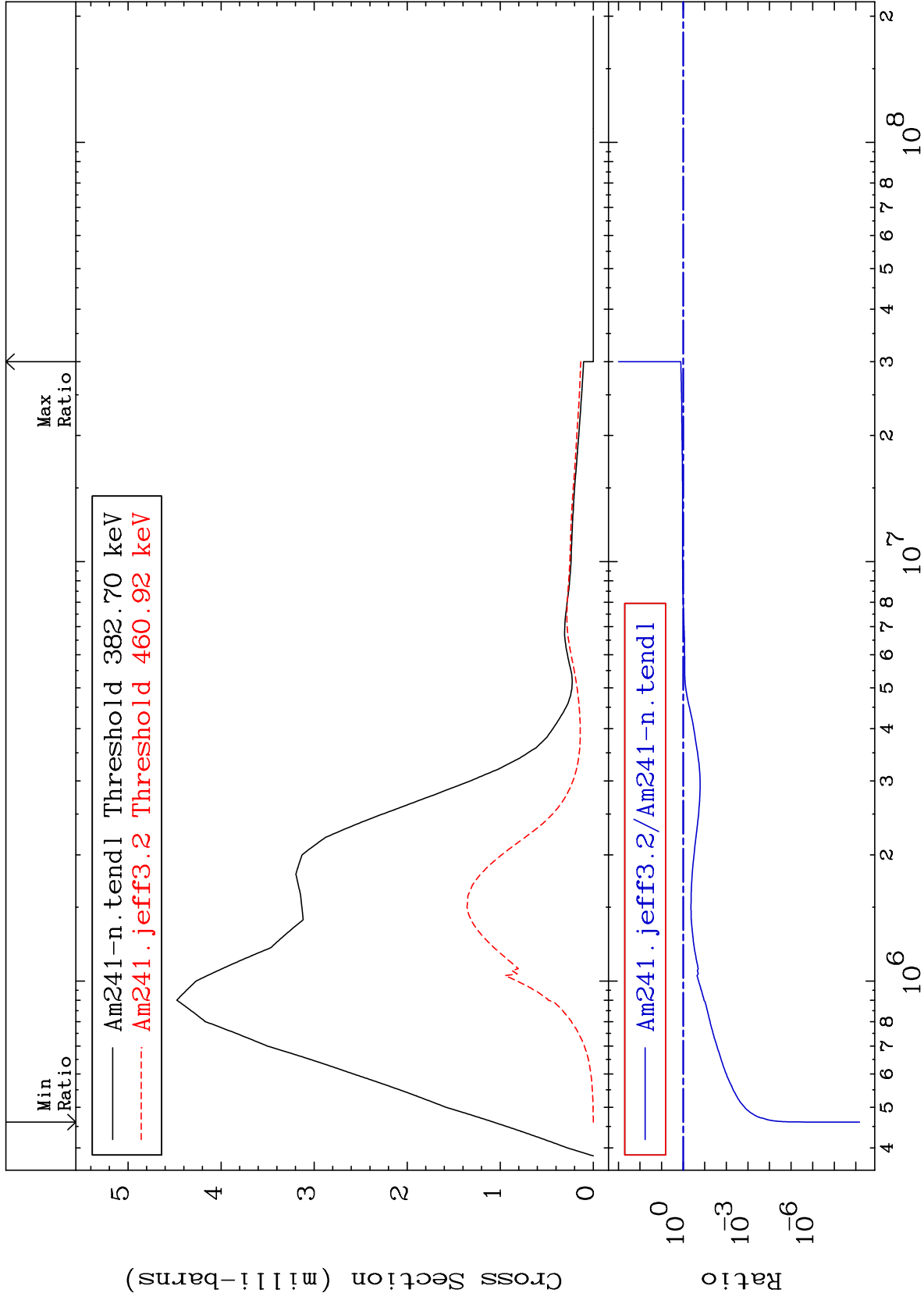
95-Am-241
156.9 To 1130. %



24

95-Am-241

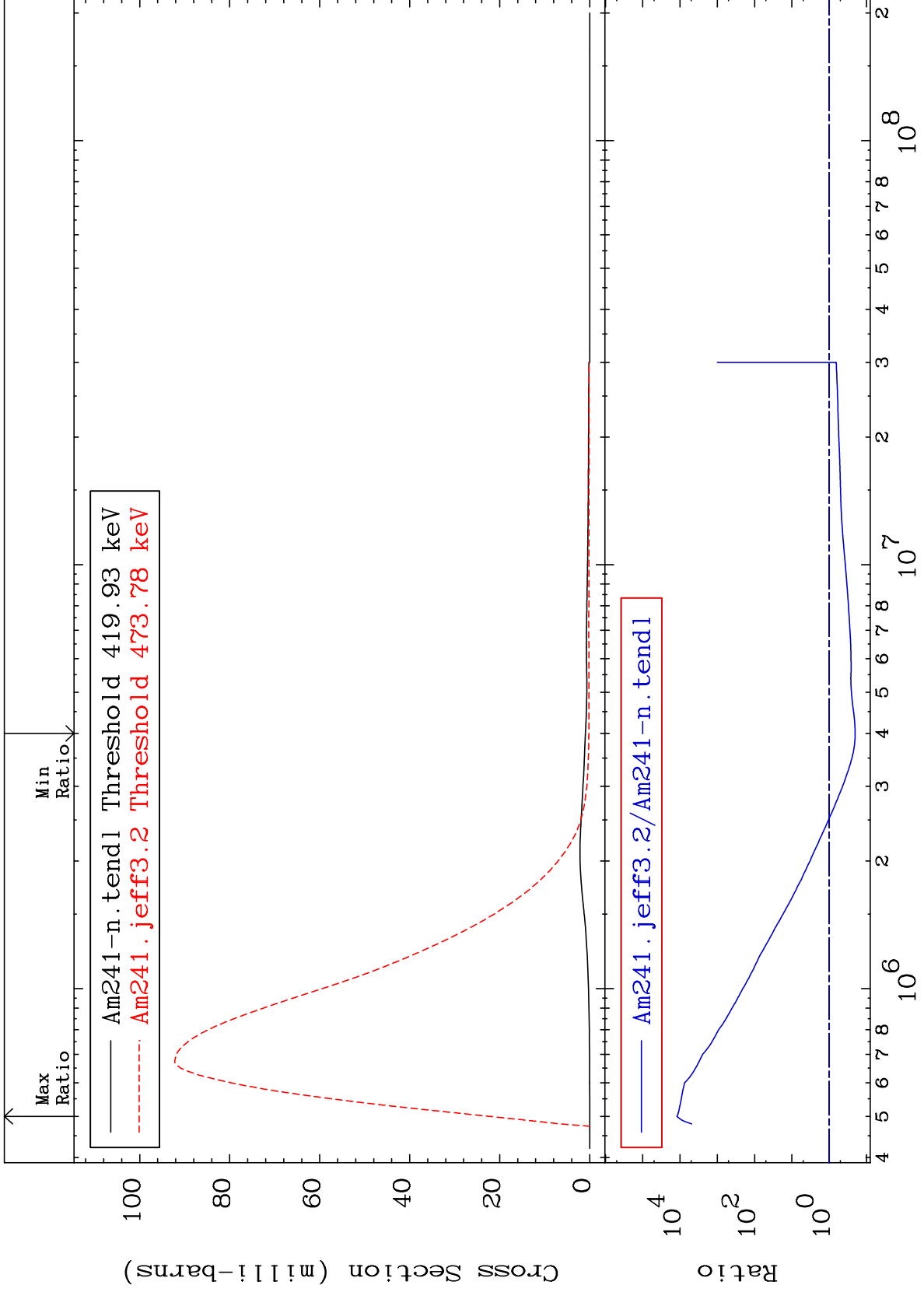
MAT 9543 381.1 keV (n,n') Level 95-Am-241
 Cross Section -100.0 To 28.90 %



MAT 9543

418.2 keV (n,n') Level
Cross Section

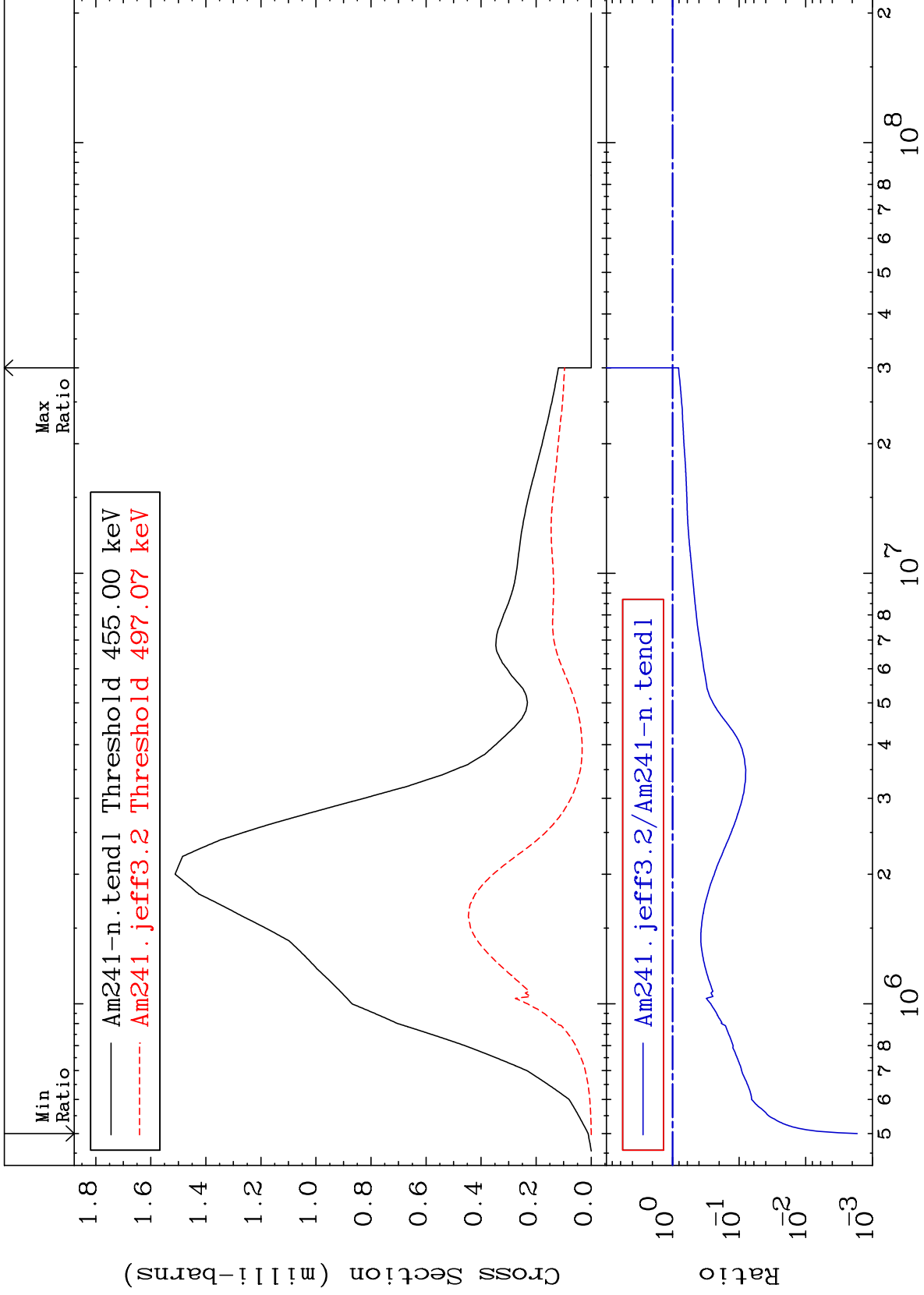
95-Am-241
-79.80 To 9999. %



MAT 9543

453.1 keV (n,n') Level
Cross Section

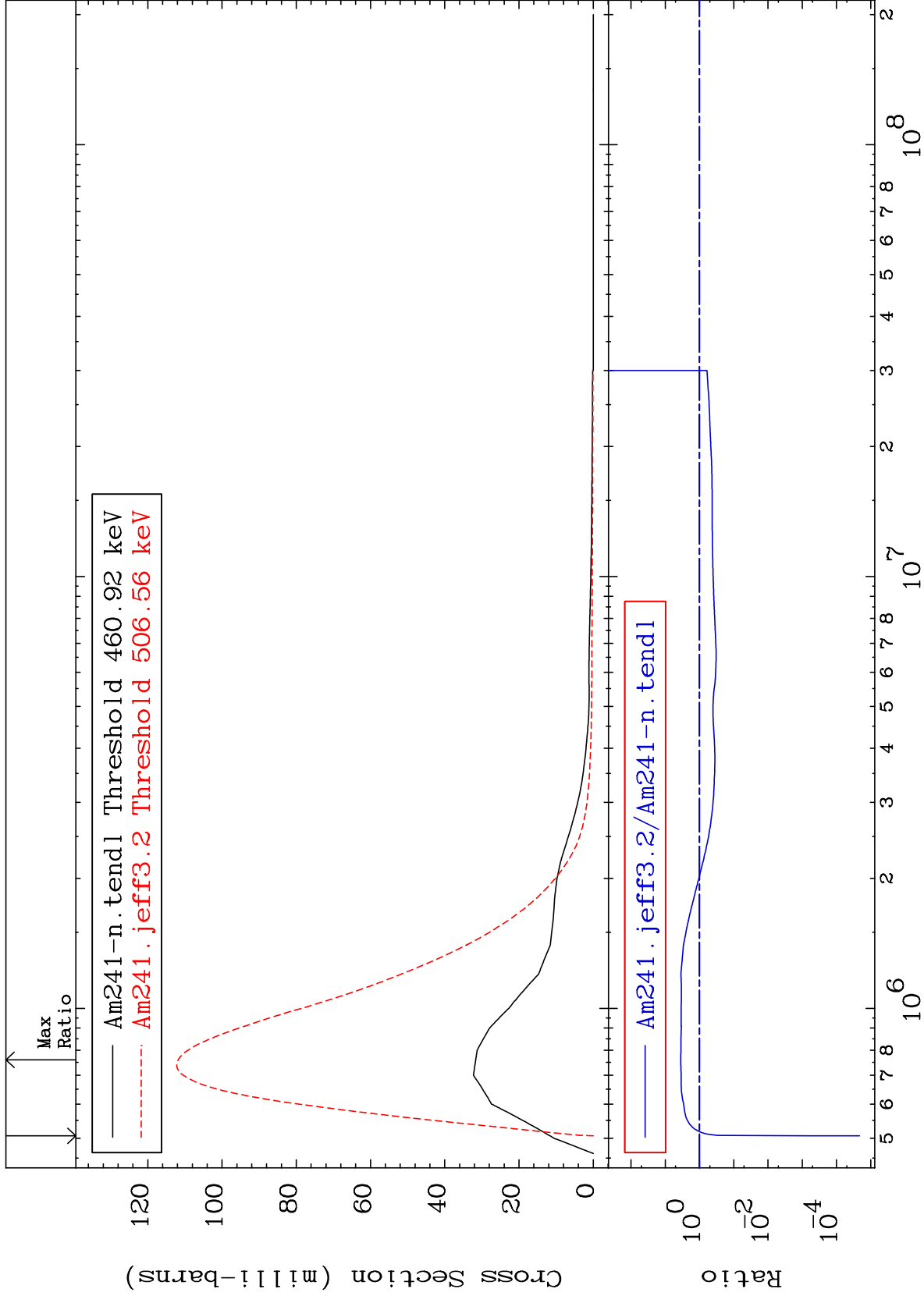
95-Am-241
-99.83 To -19.22%



MAT 9543

459.0 keV (n,n') Level
Cross Section

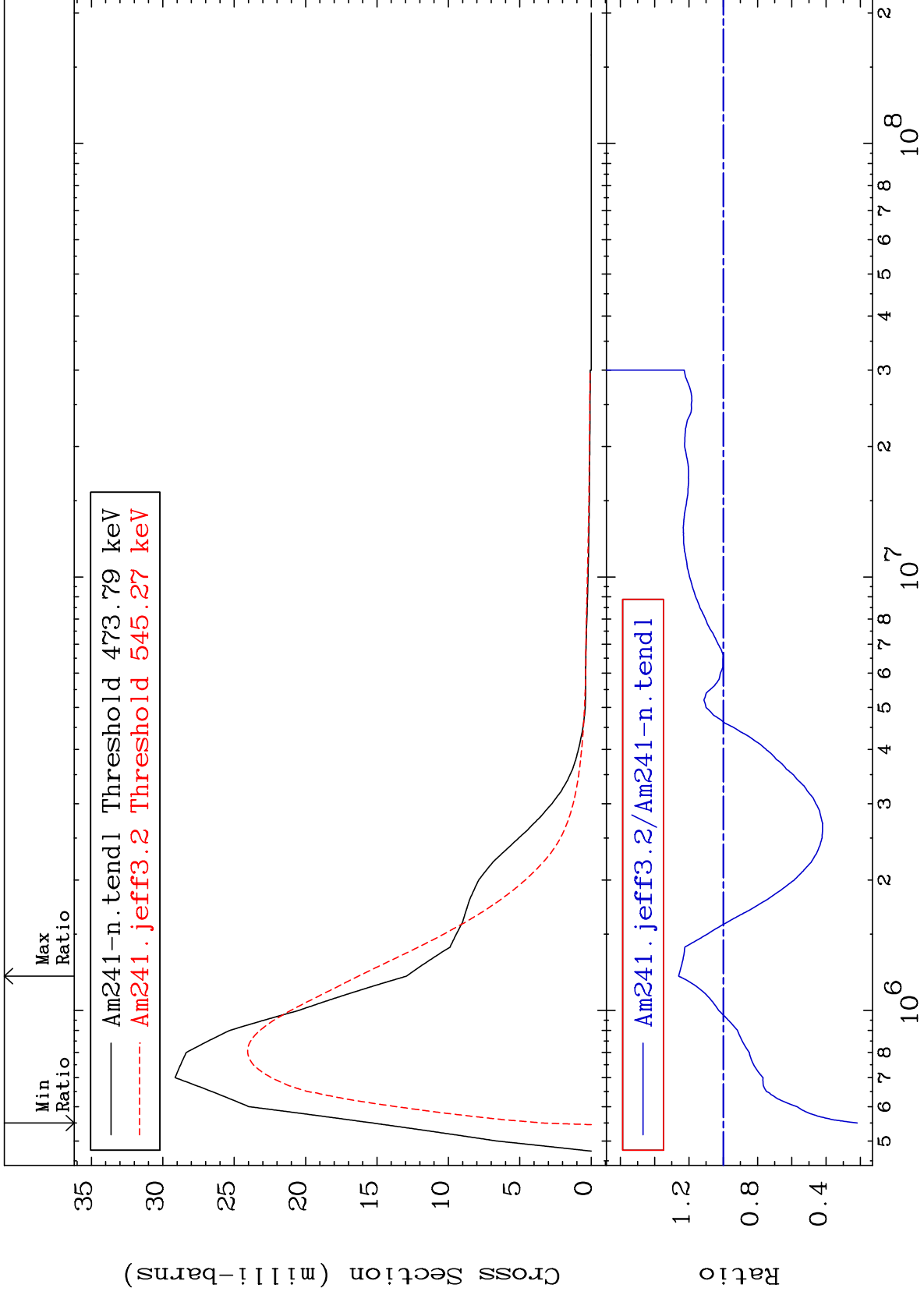
95-Am-241
-100.0 To 253.2 %



MAT 9543

471.8 keV (n,n') Level
Cross Section

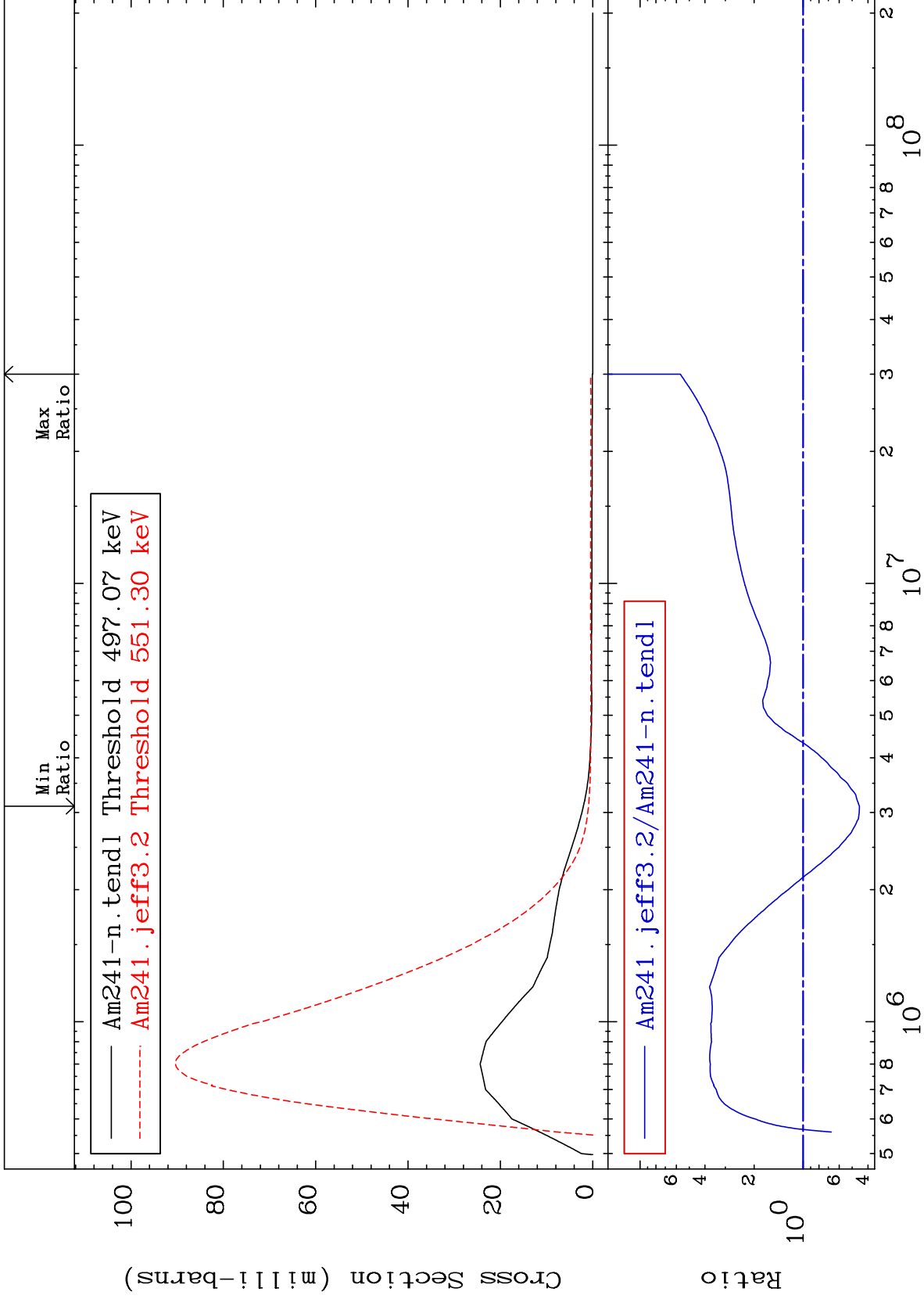
95-Am-241
-78.16 To 26.02 %



MAT 9543

495.0 keV (n,n') Level
Cross Section

95-Am-241
-54.85 To 466.5 %



30

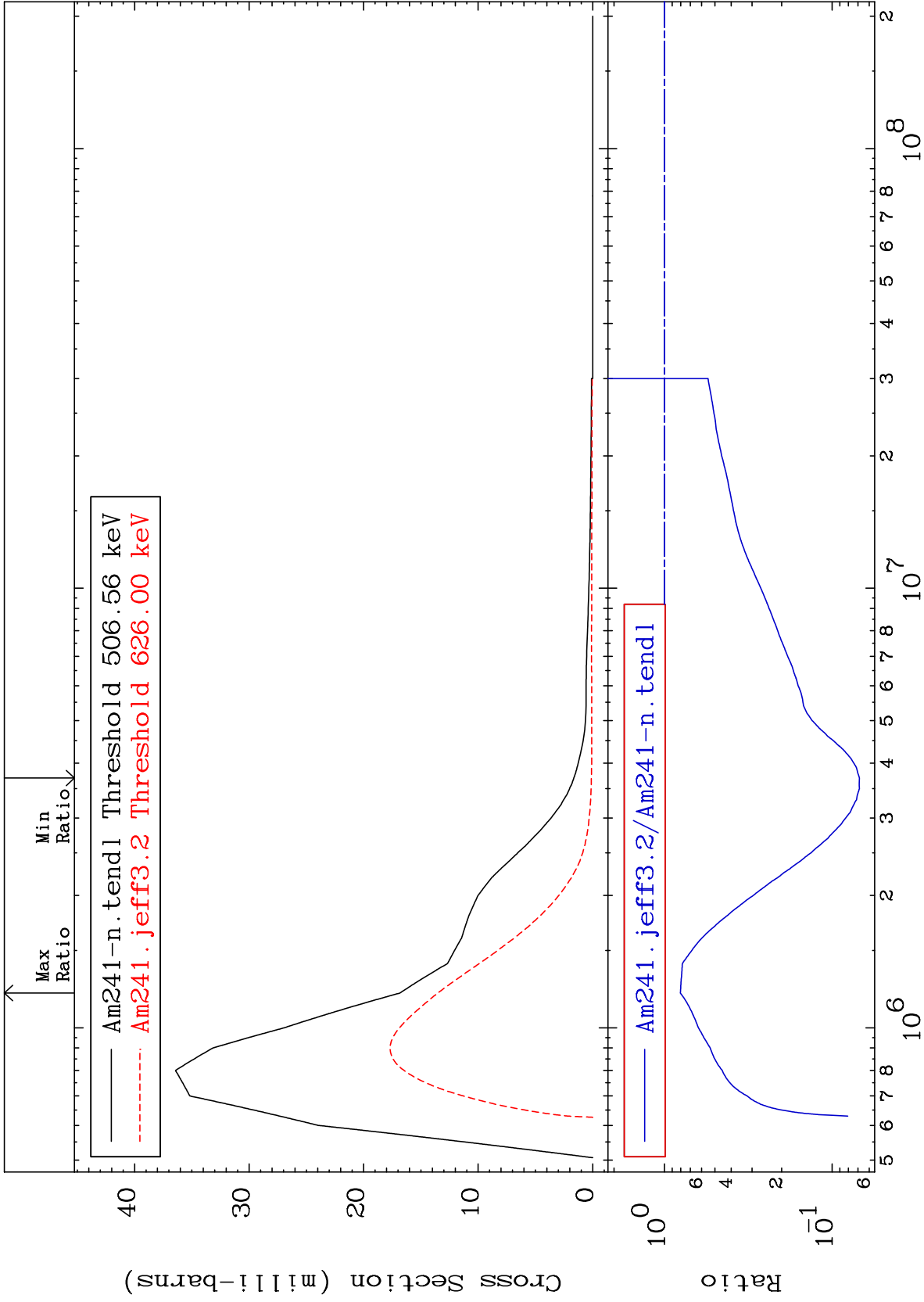
Incident Energy (eV)

95-Am-241

MAT 9543

504.5 keV (n,n') Level
Cross Section

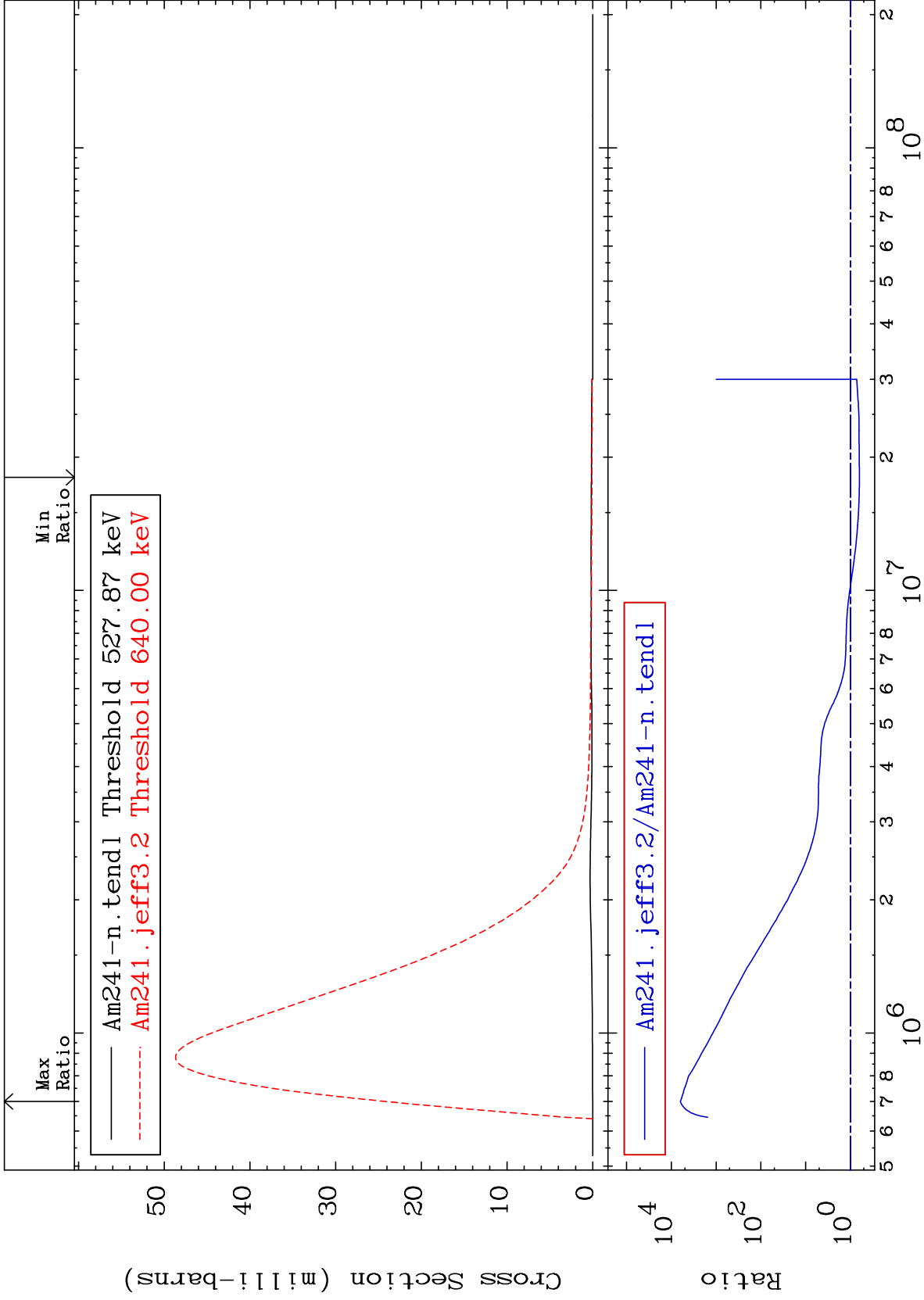
95-Am-241
-93.13 To -19.66%



MAT 9543

525.7 keV (n,n') Level
Cross Section

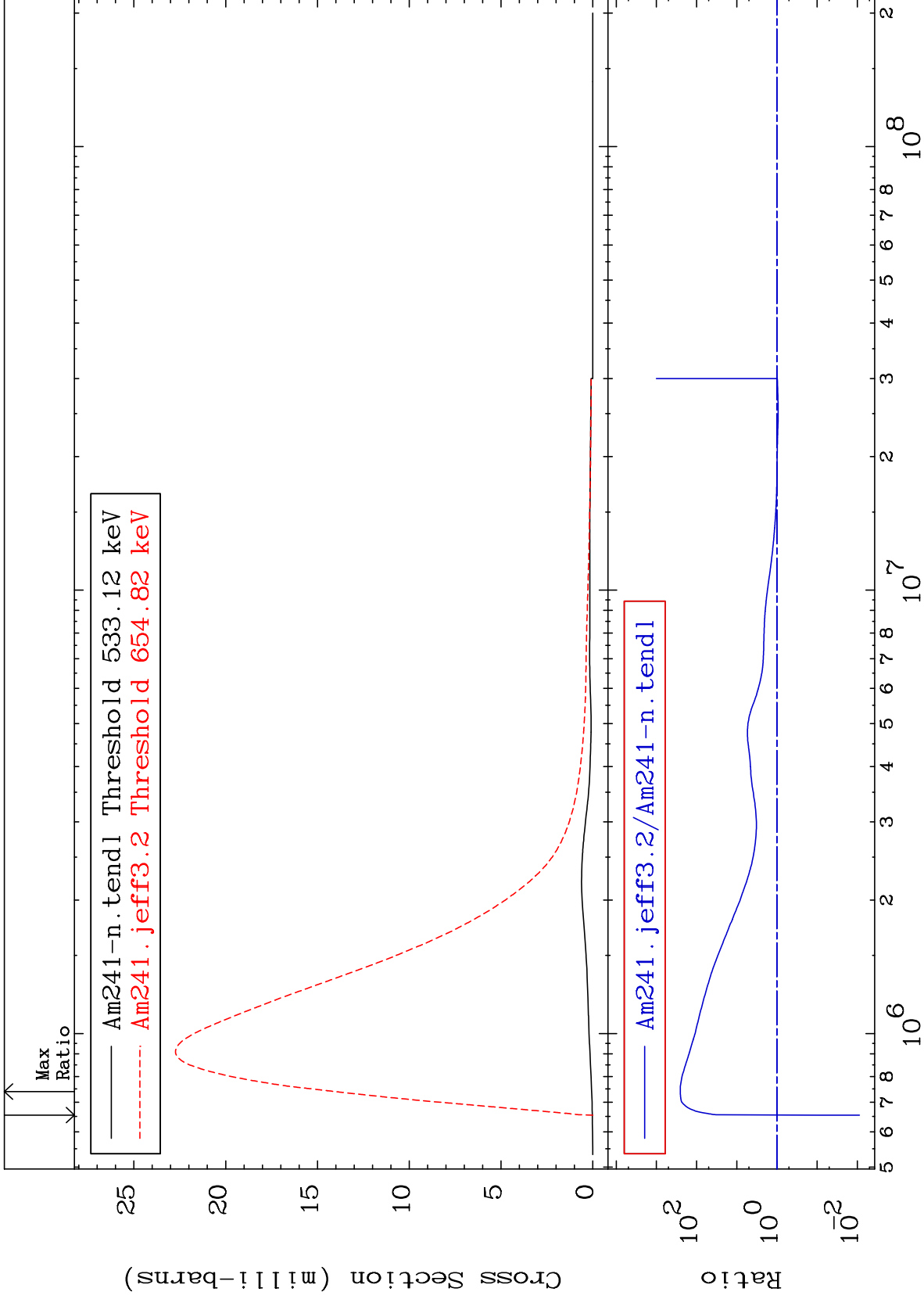
95-Am-241
-37.12 To 9999. %



MAT 9543

530.9 keV (n,n') Level
Cross Section

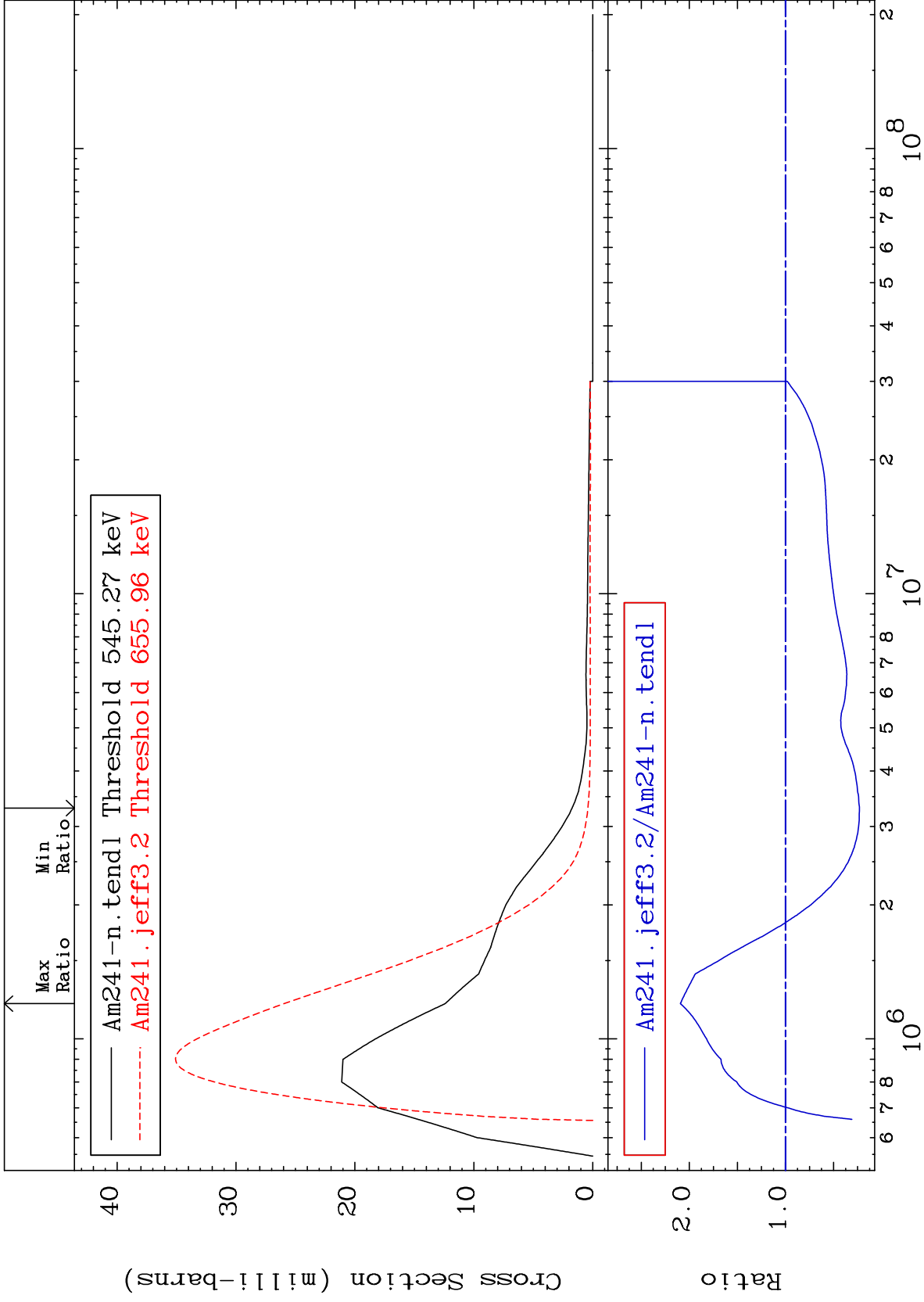
95-Am-241
-99.12 To 9999. %



MAT 9543

543.0 keV (n,n') Level
Cross Section

95-Am-241
-76.87 To 109.3 %



34

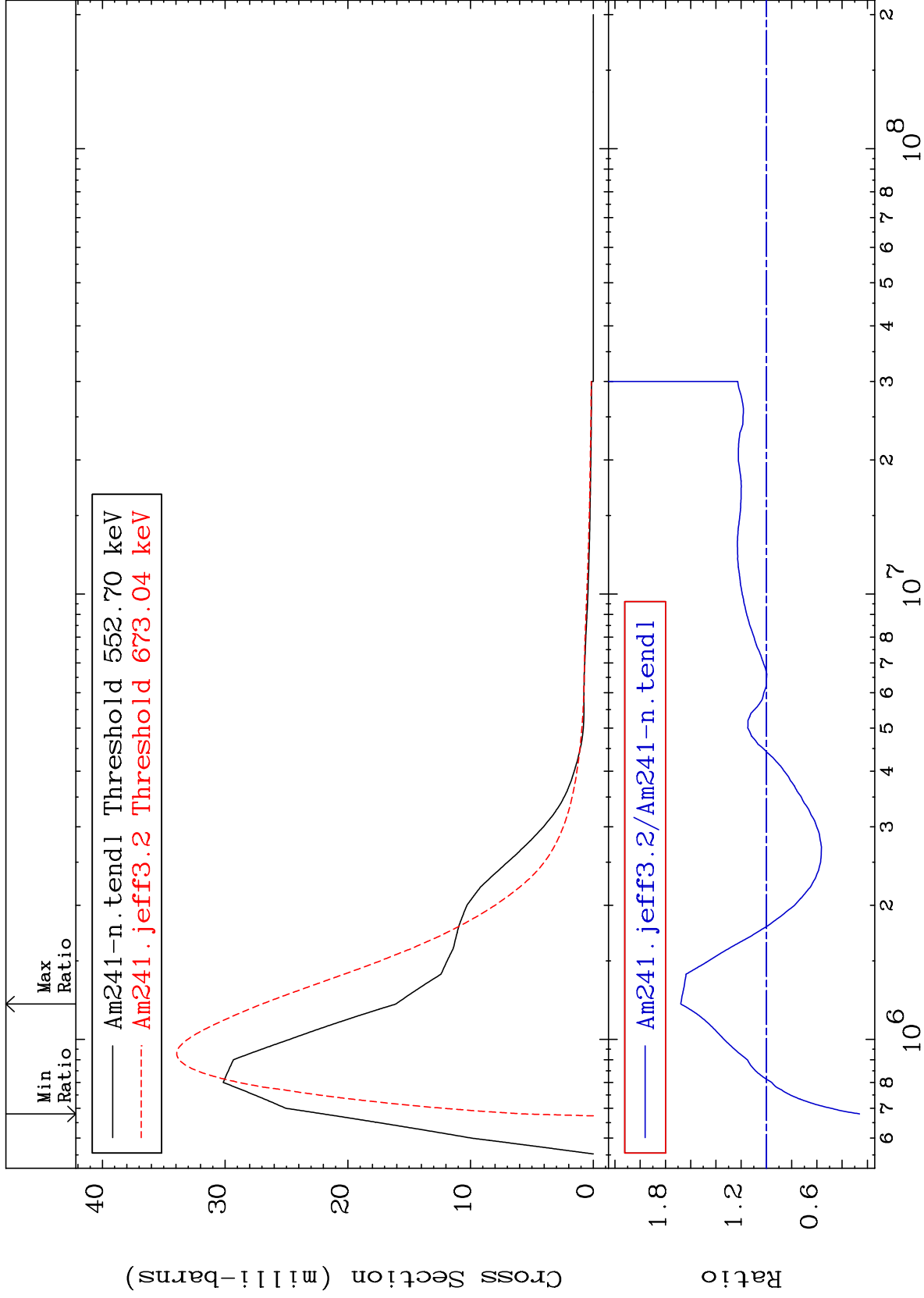
Incident Energy (eV)

95-Am-241

MAT 9543

550.4 keV (n,n') Level
Cross Section

95-Am-241
-73.80 To 67.86 %



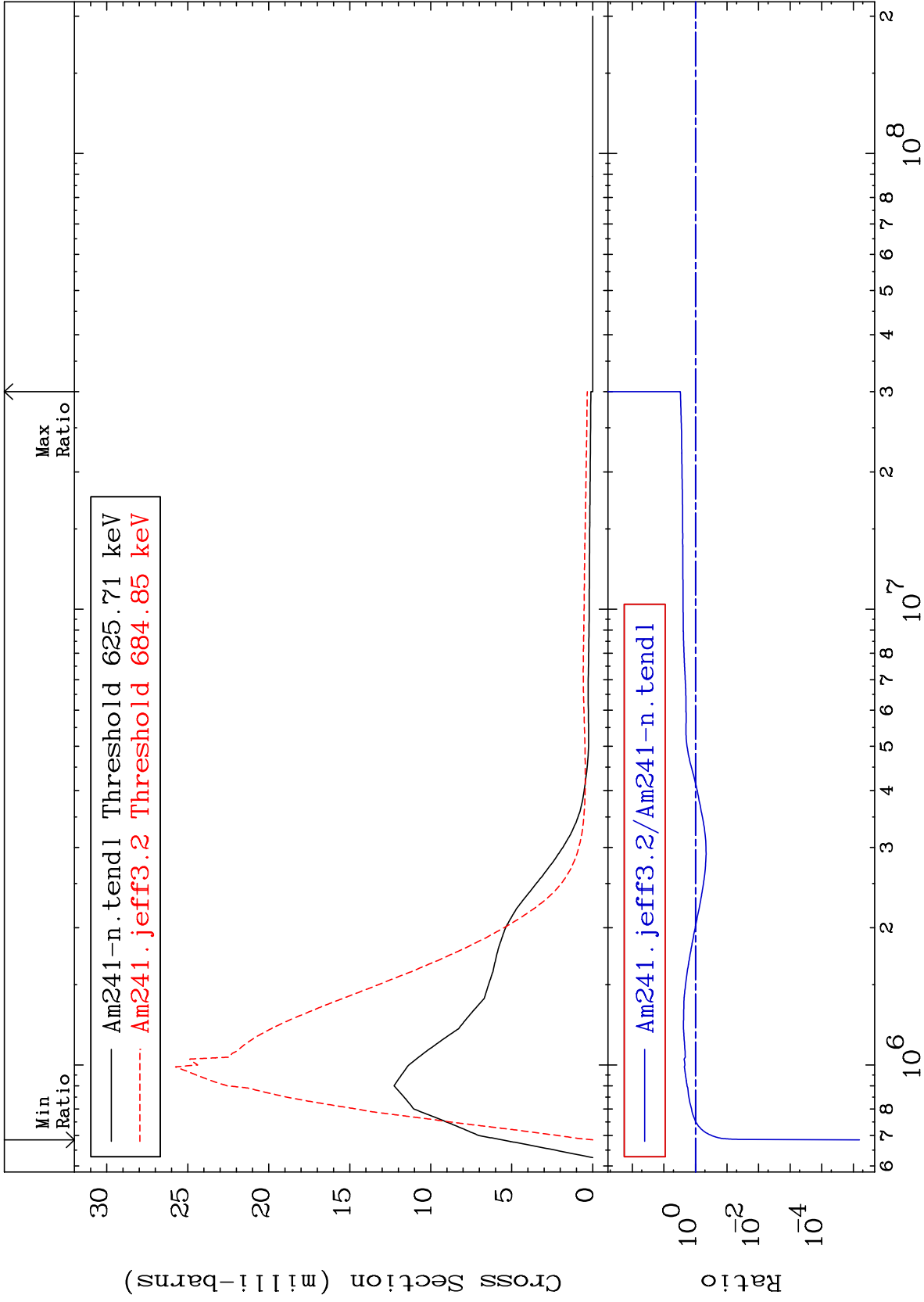
35

95-Am-241

MAT 9543

623.1 keV (n,n') Level
Cross Section

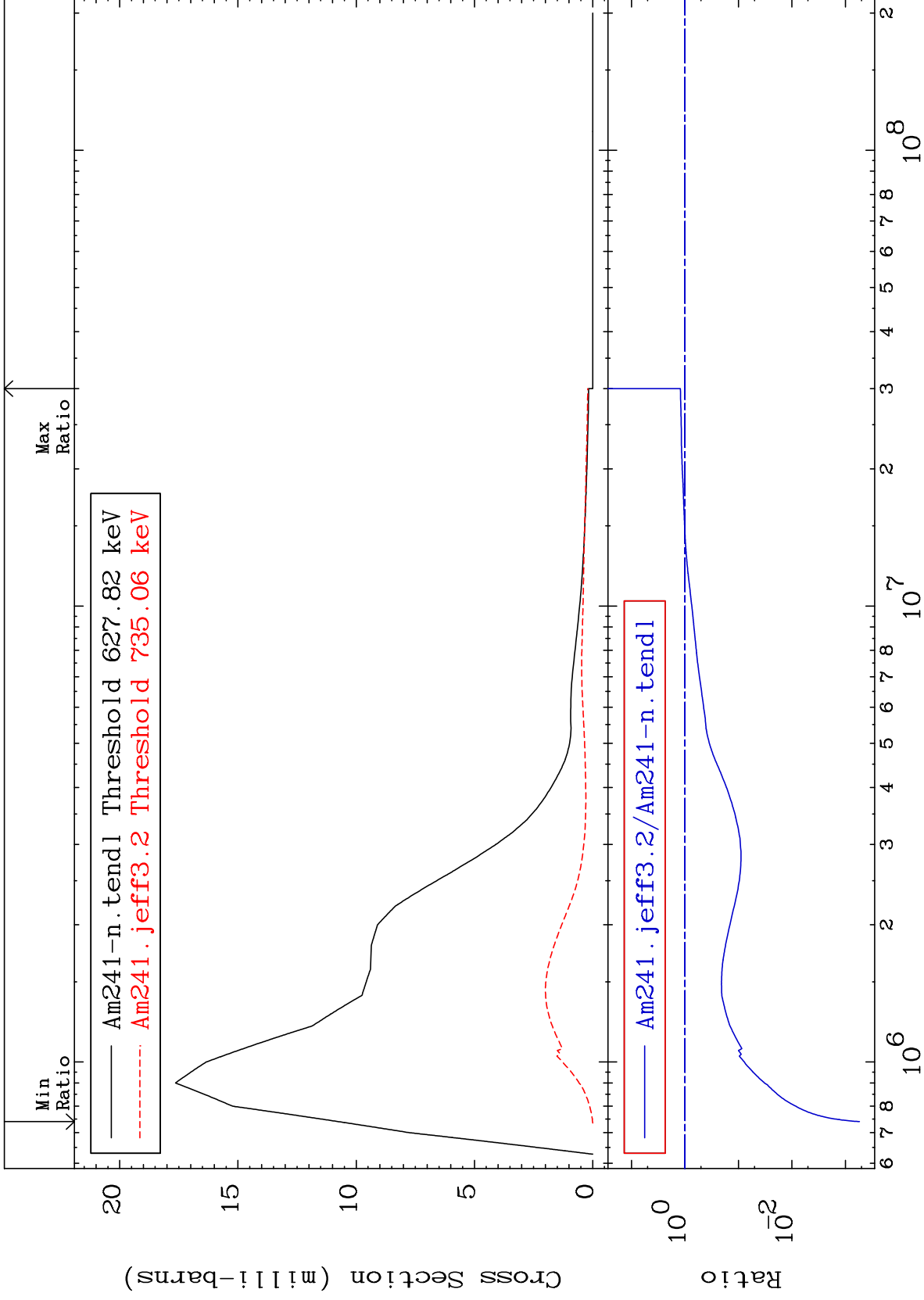
95-Am-241
-100.0 To 200.8 %



MAT 9543

625.2 keV (n,n') Level
Cross Section

95-Am-241
-99.95 To 21.75 %



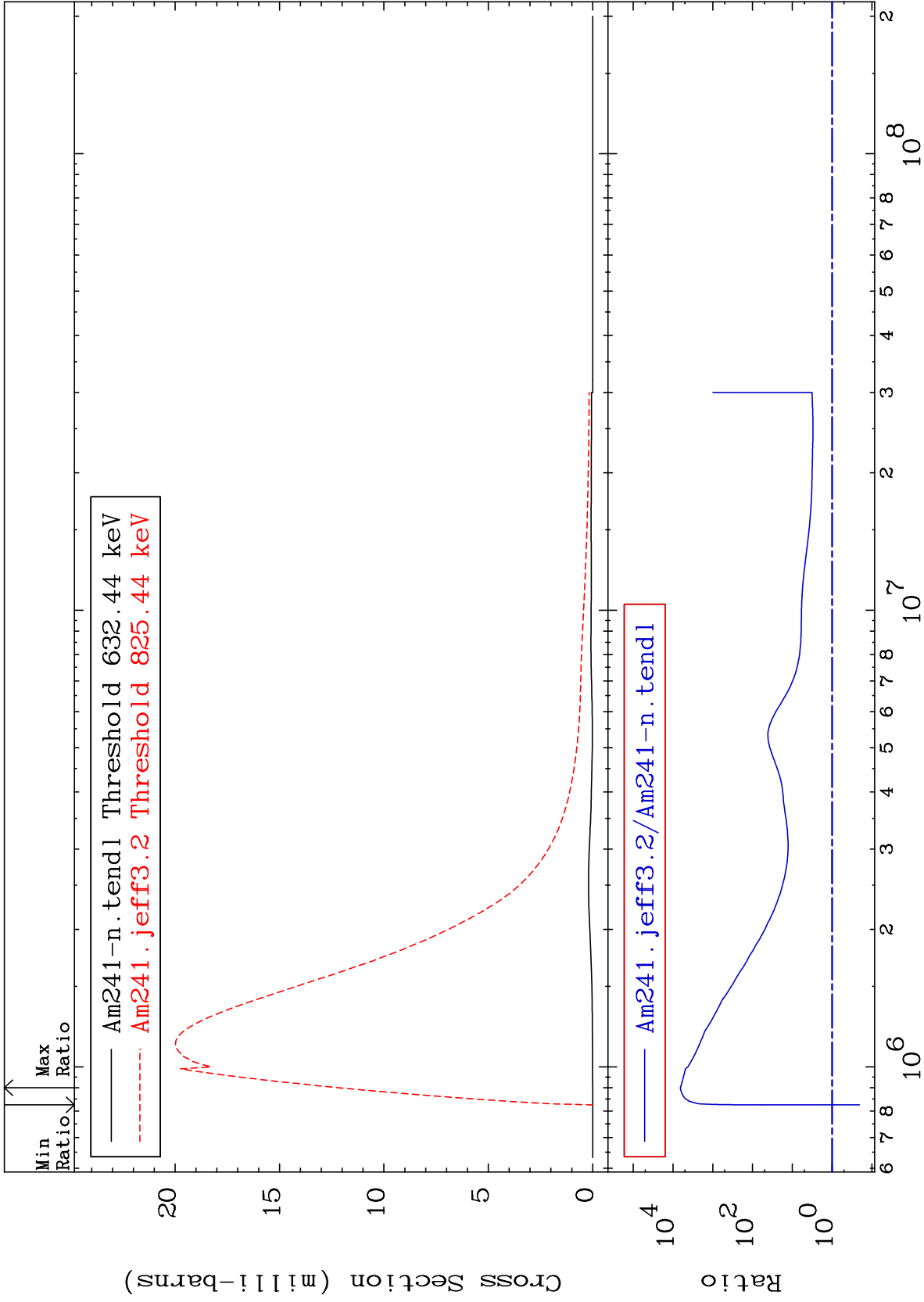
37

95-Am-241

MAT 9543

629.8 keV (n,n') Level
Cross Section

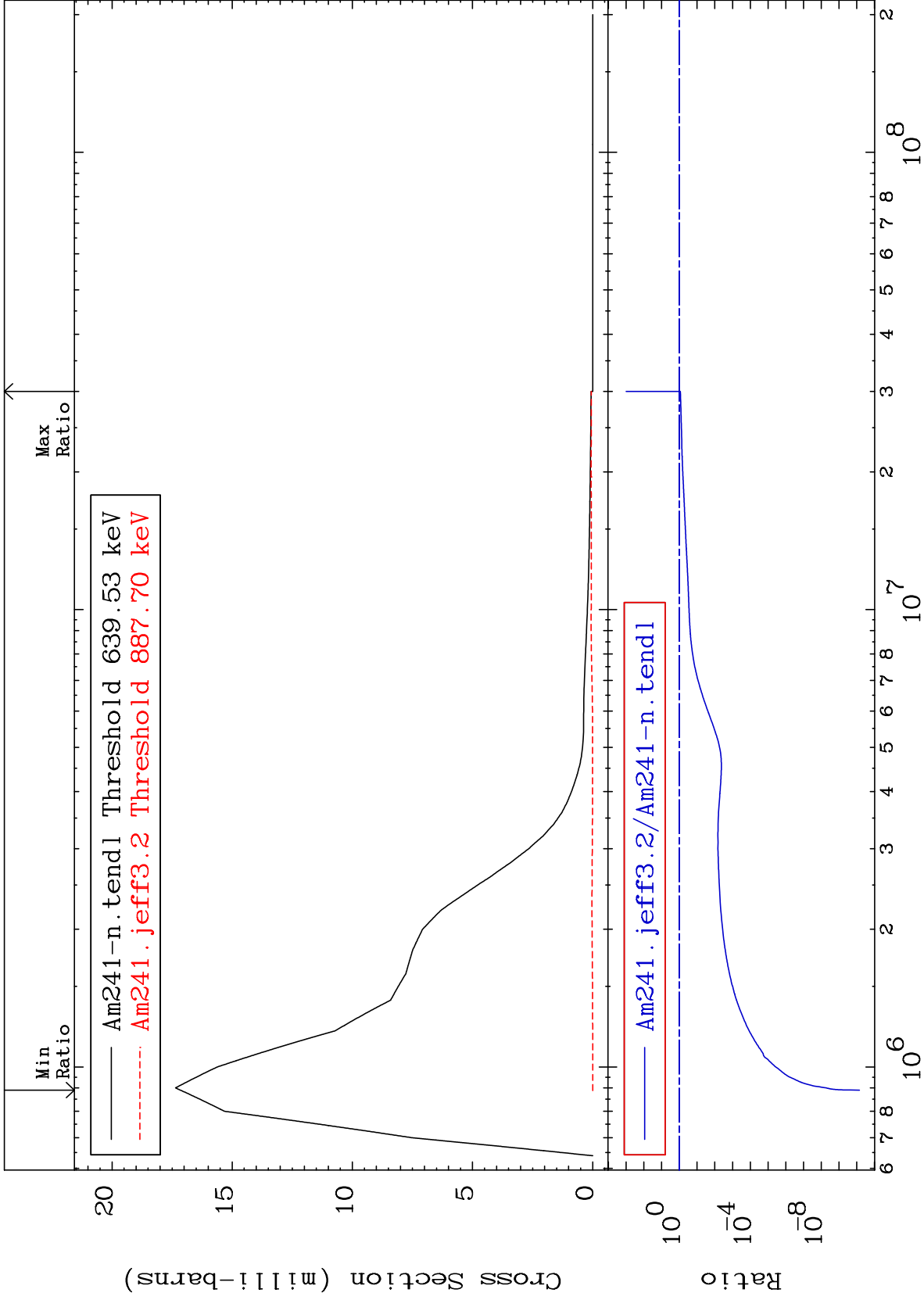
95-Am-241
-79.43 To 9999. %



MAT 9543

636.9 keV (n,n') Level
Cross Section

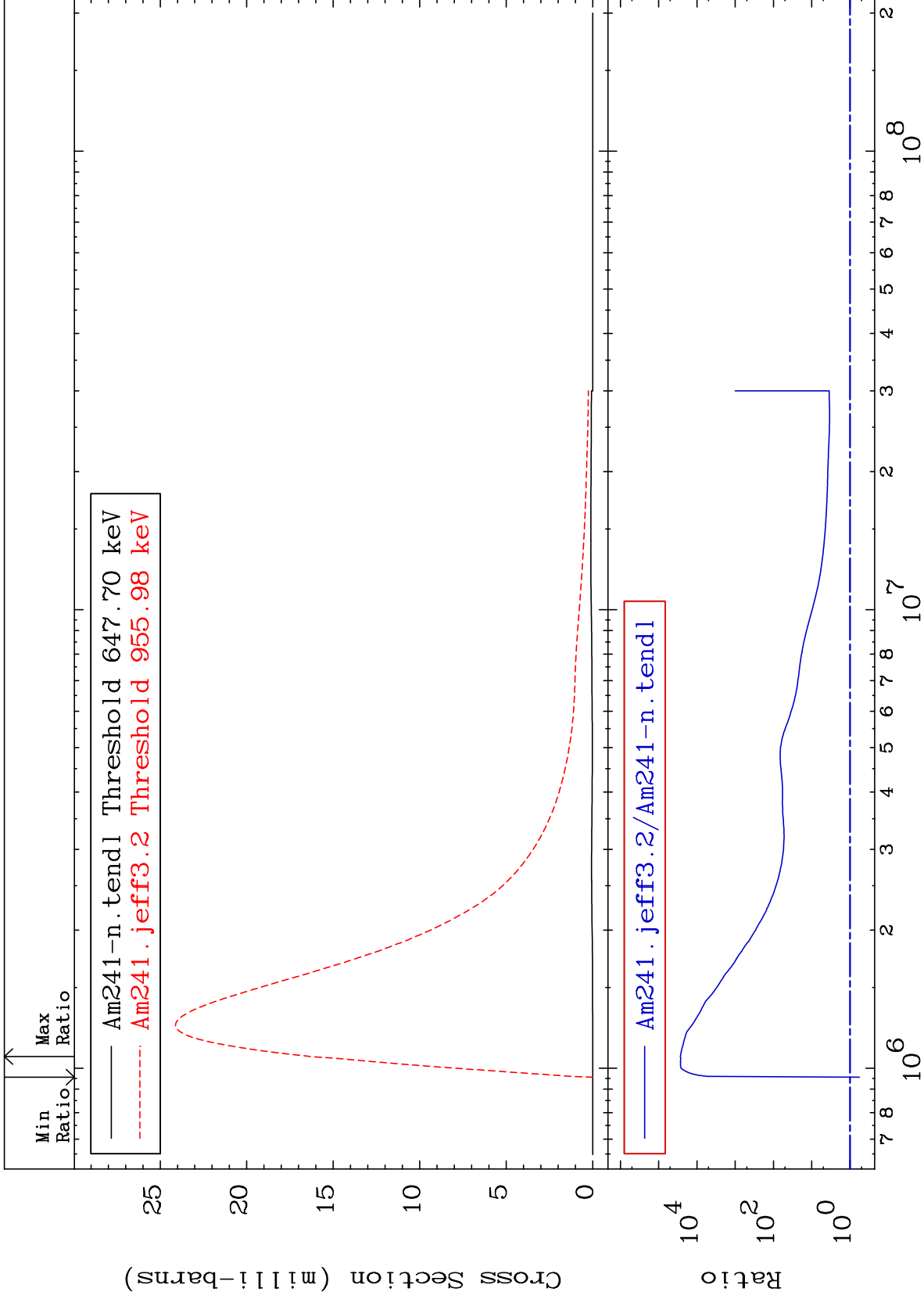
95-Am-241
-100.0 To -12.70%



MAT 9543

645.0 keV (n,n') Level
Cross Section

95-Am-241
-43.24 To 9999. %



40

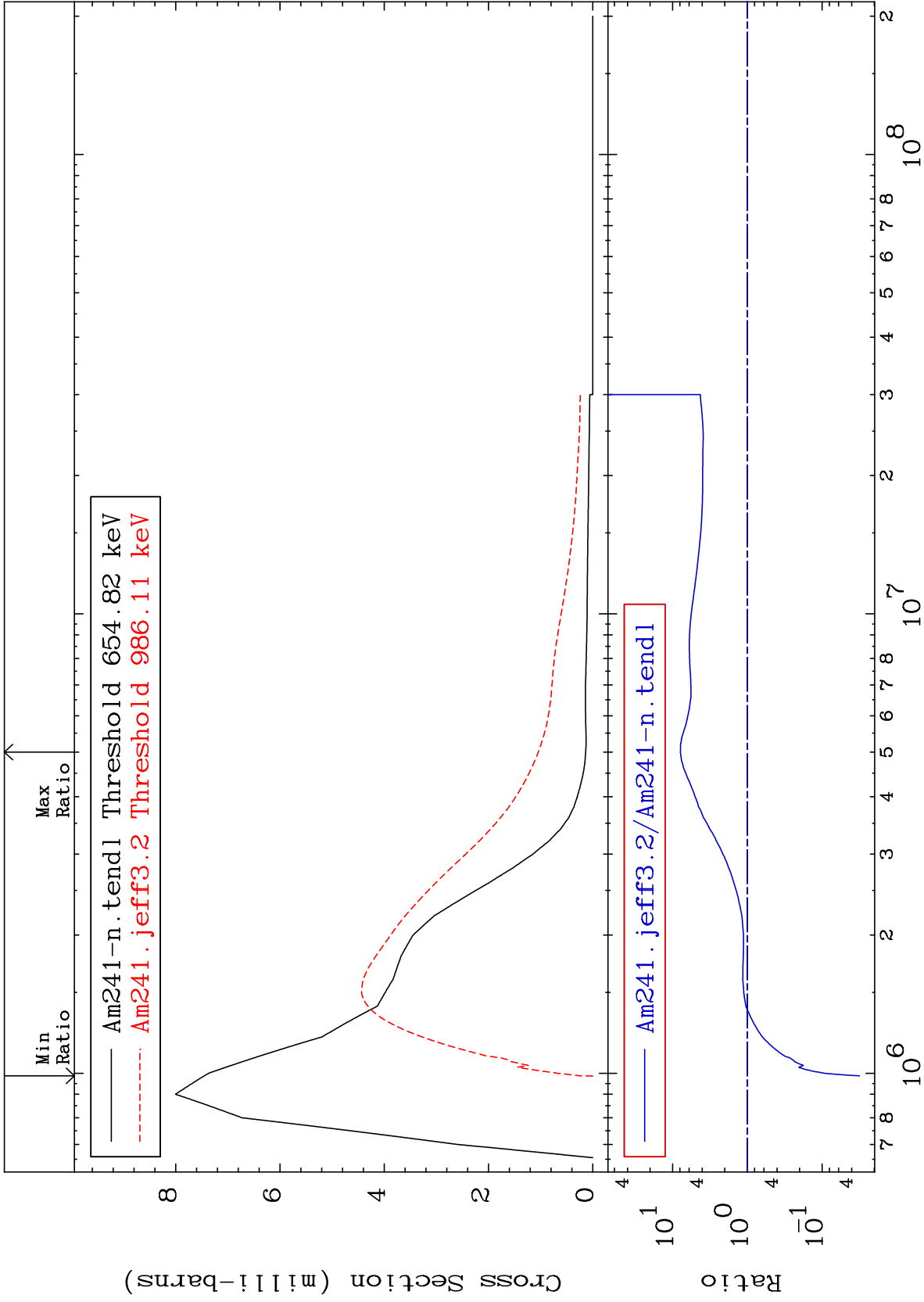
Incident Energy (eV)

95-Am-241

MAT 9543

652.1 keV (n,n') Level
Cross Section

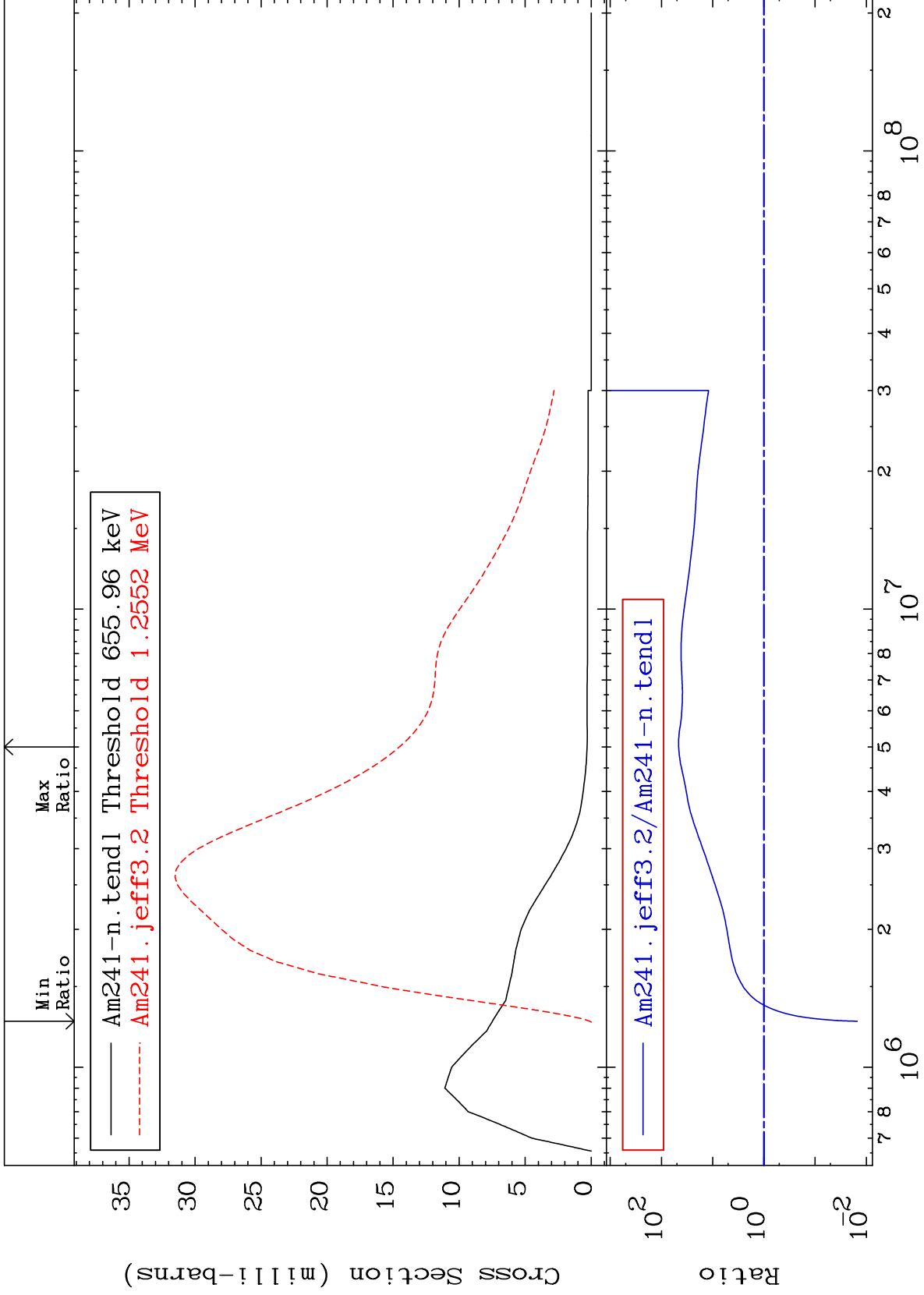
95-Am-241
-96.84 To 686.4 %



MAT 9543

653.2 keV (n,n') Level
Cross Section

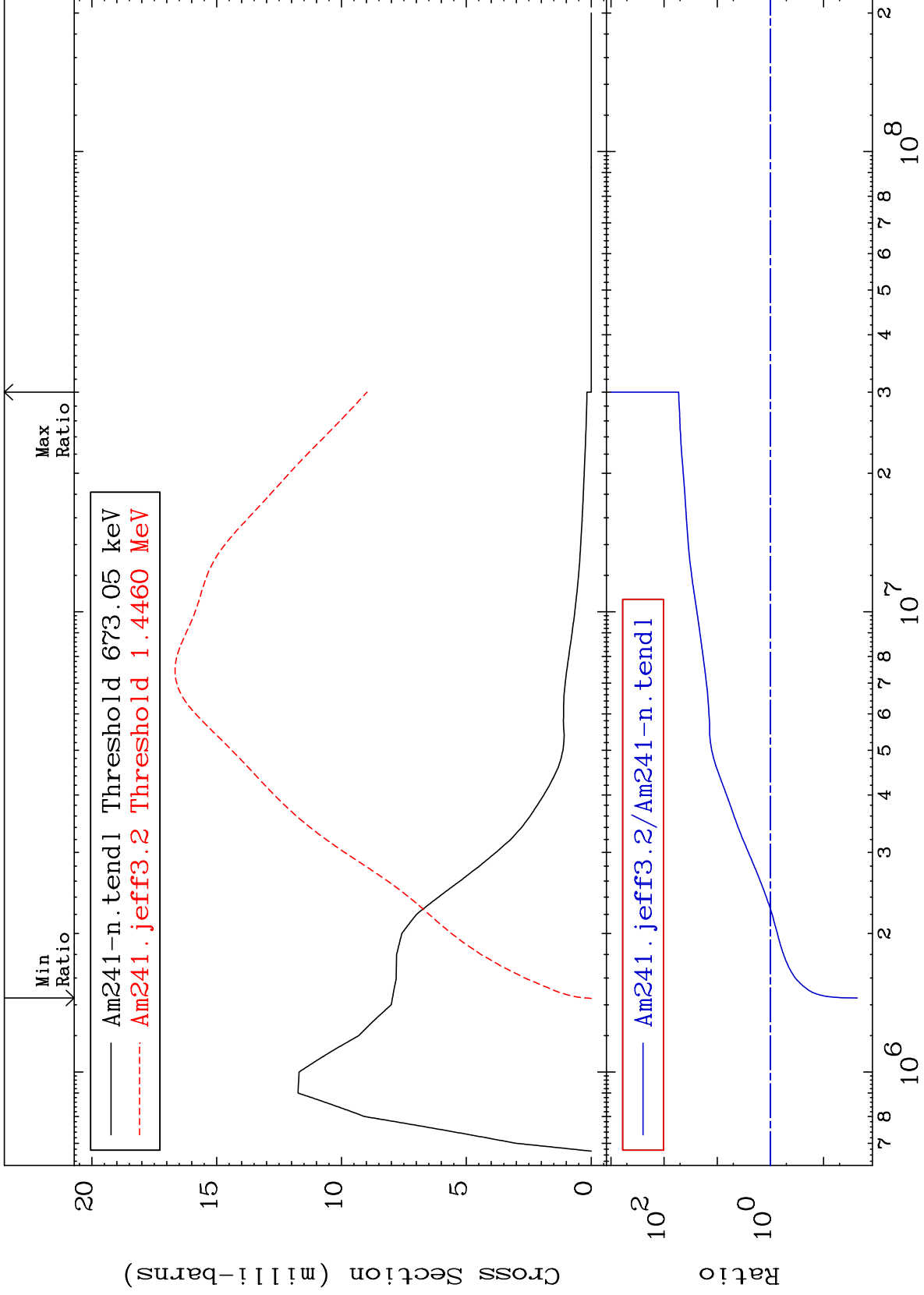
95-Am-241
-98.50 To 4522. %



MAT 9543

670.2 keV (n,n') Level
Cross Section

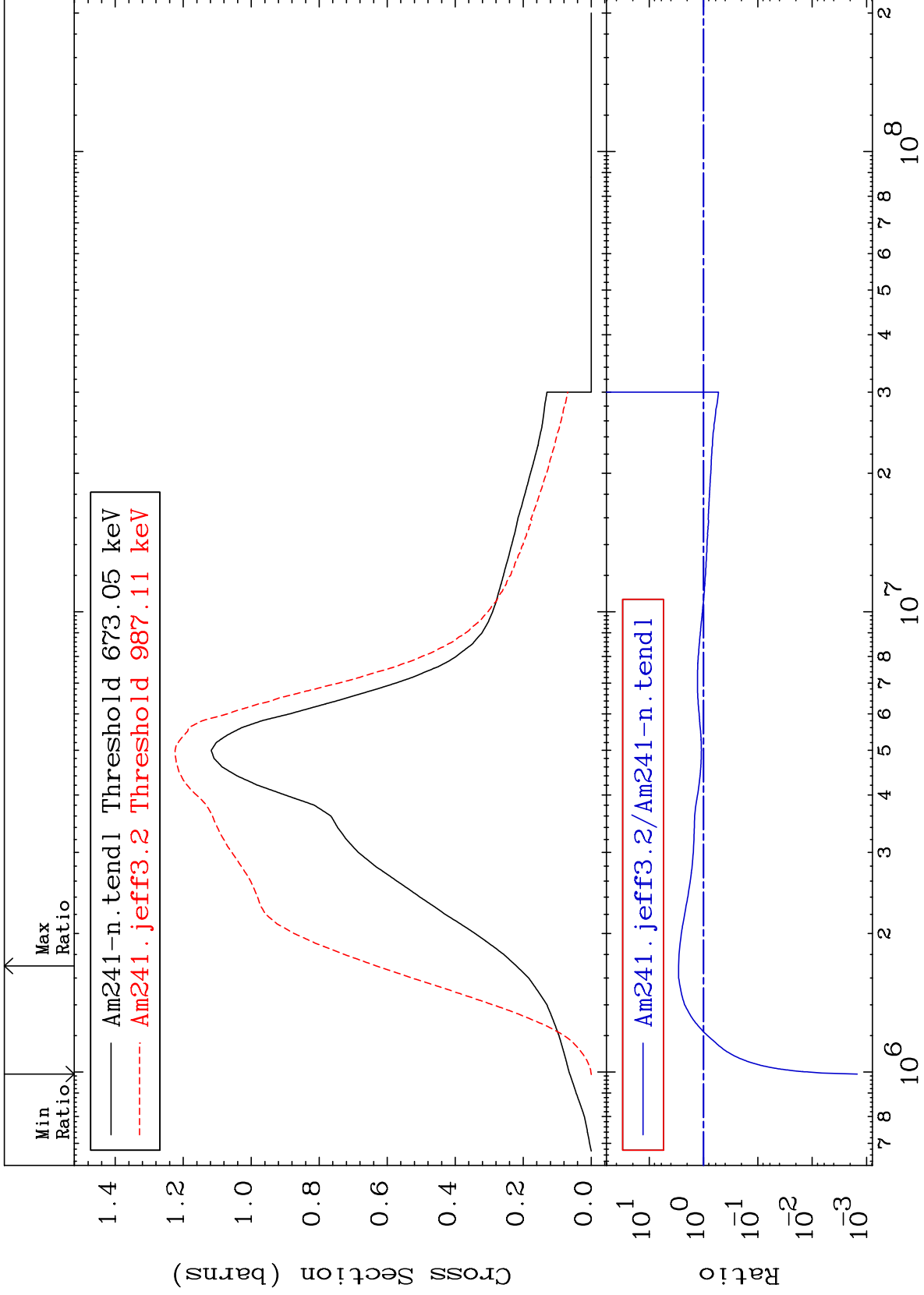
95-Am-241
-97.68 To 5219. %



MAT 9543

(n, n') Continuum
Cross Section

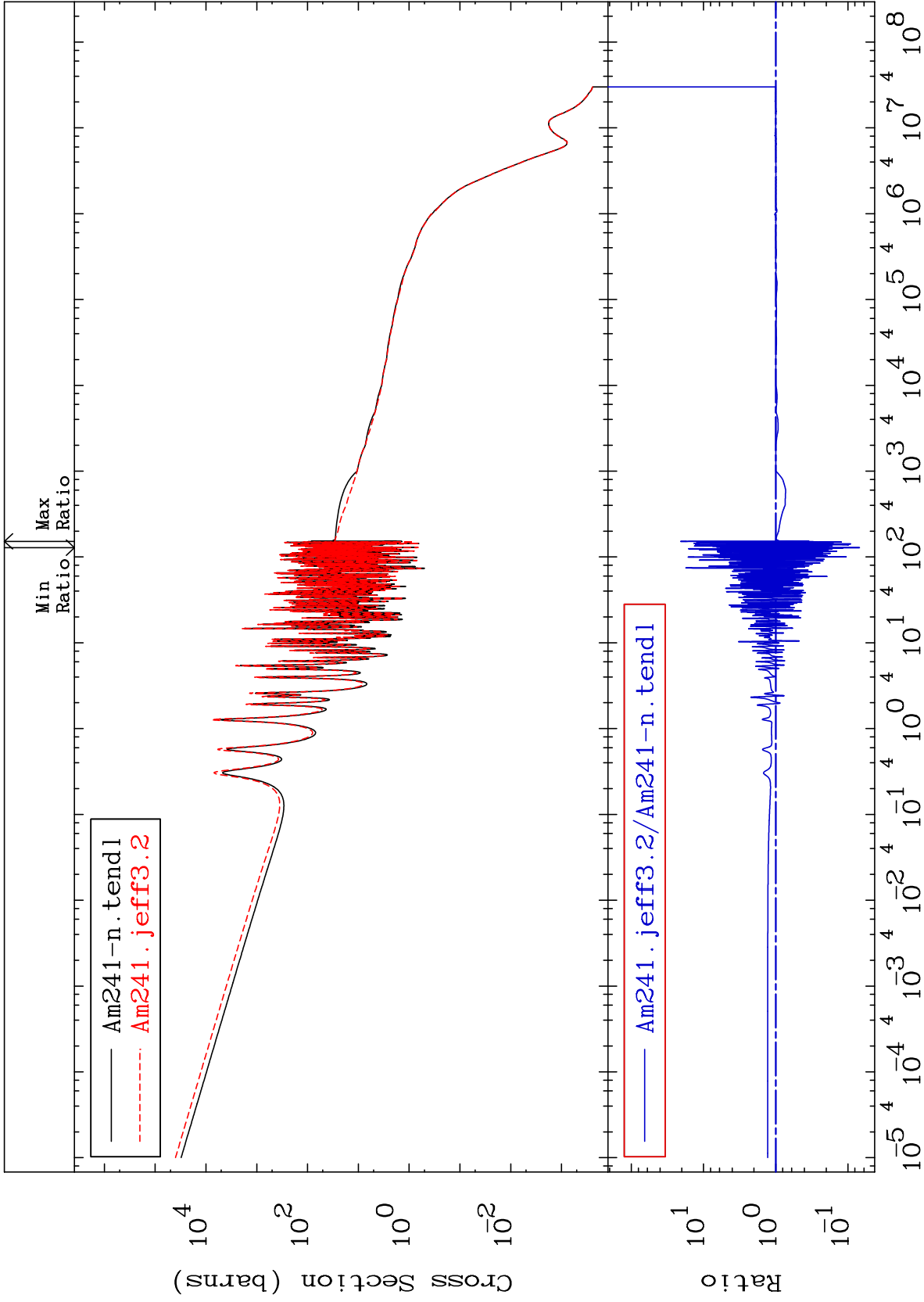
95-Am-241
-99.85 To 187.0 %



MAT 9543

(n, γ)
Cross Section

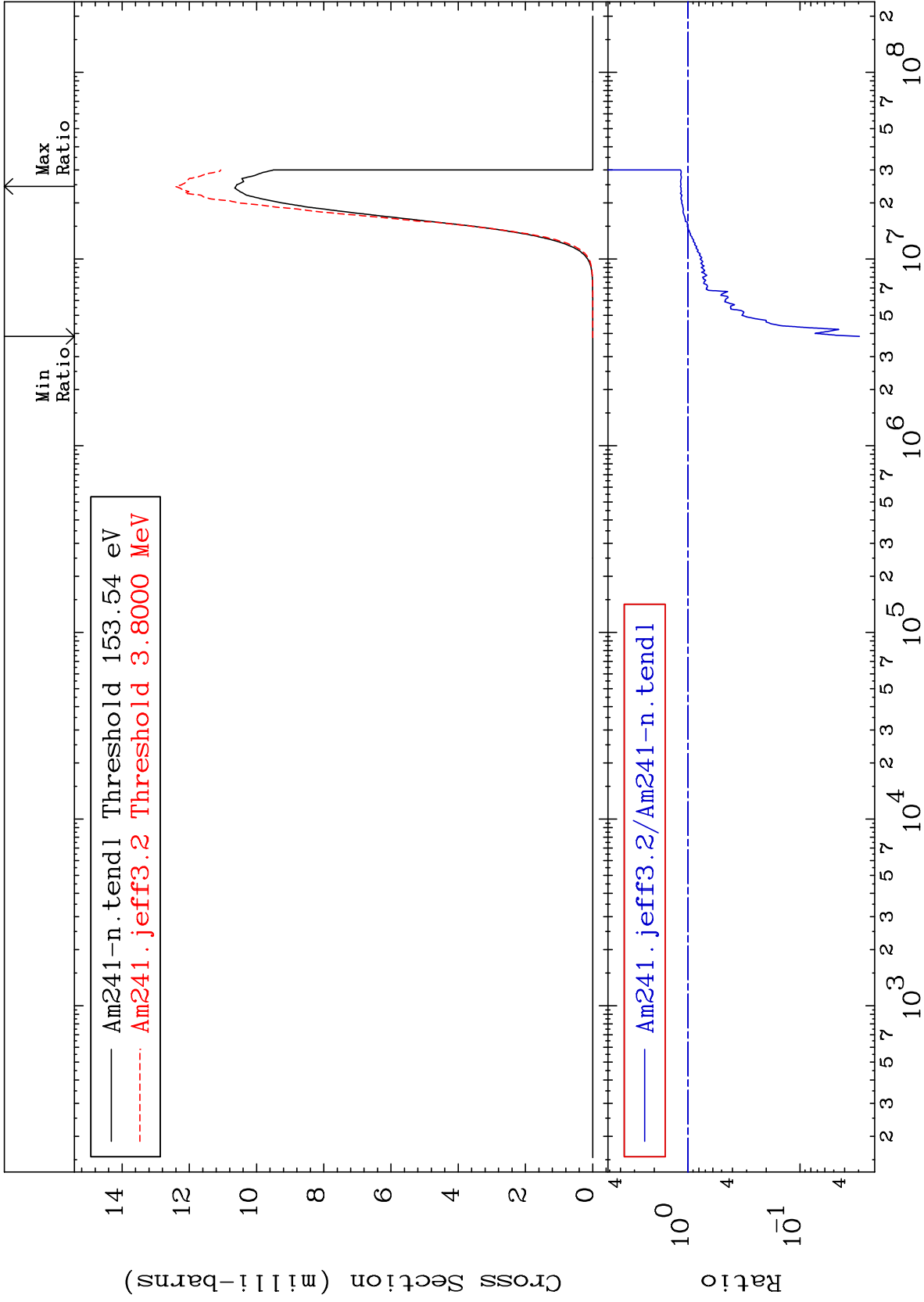
95-Am-241
-93.07 To 1992. %



MAT 9543

(n,p)
Cross Section

95-Am-241
-97.06 To 16.91 %



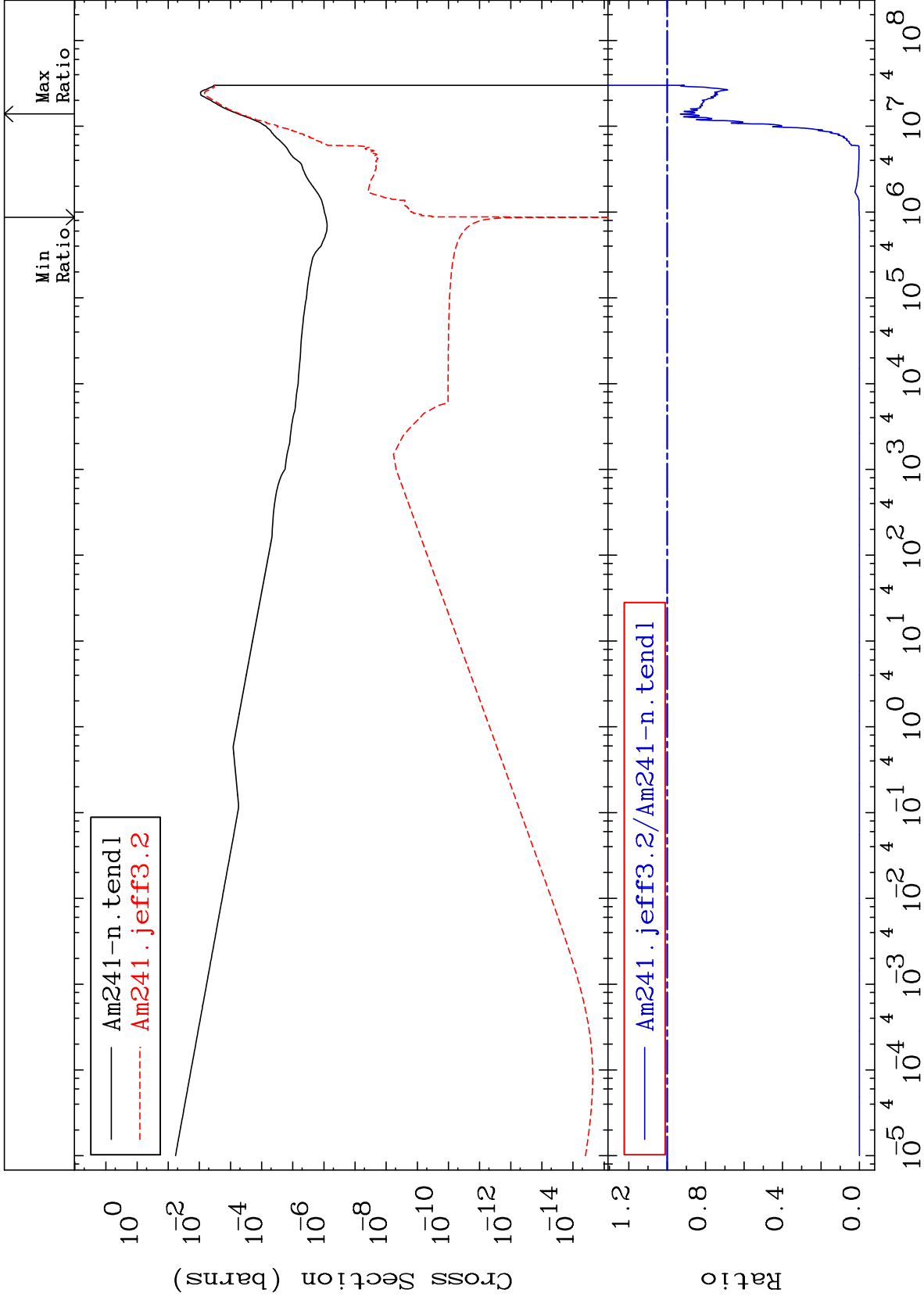
MAT 9543

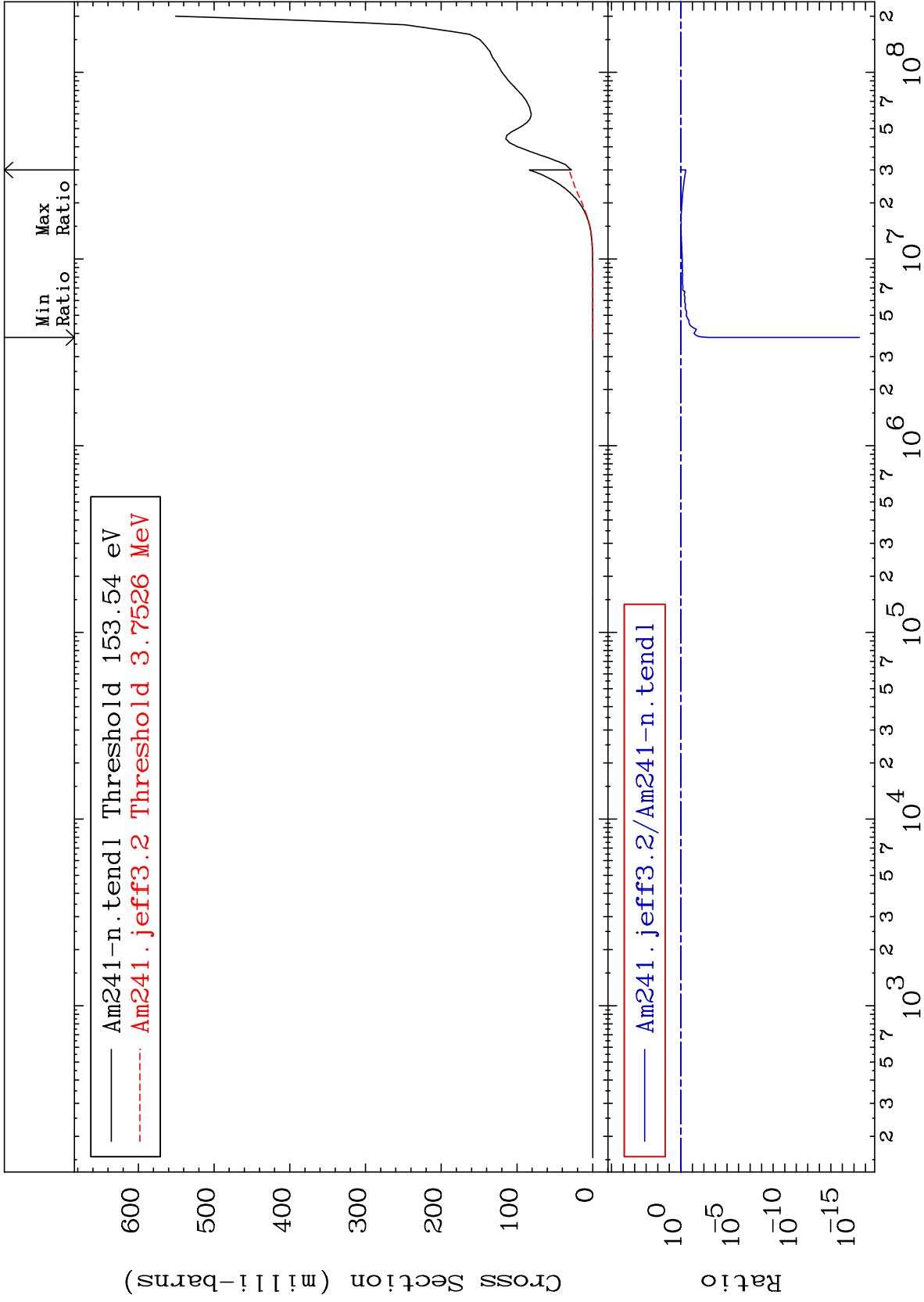
(n, α)

95-Am-241

Cross Section

-100.0 To -6.857%

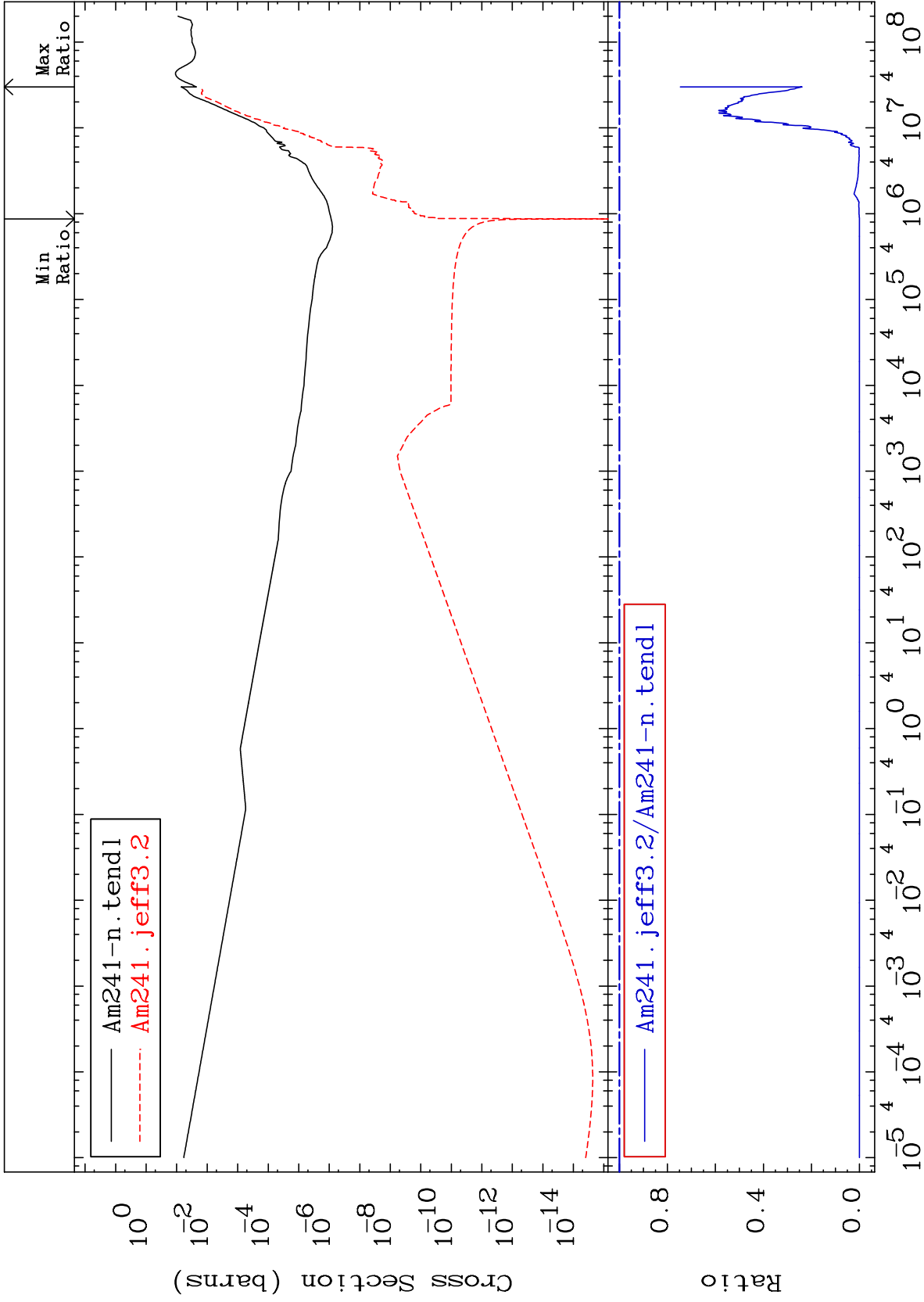




MAT 9543

He-4 Production
Cross Section

95-Am-241
-100.0 To -25.40%



49

Incident Energy (eV)

95-Am-241

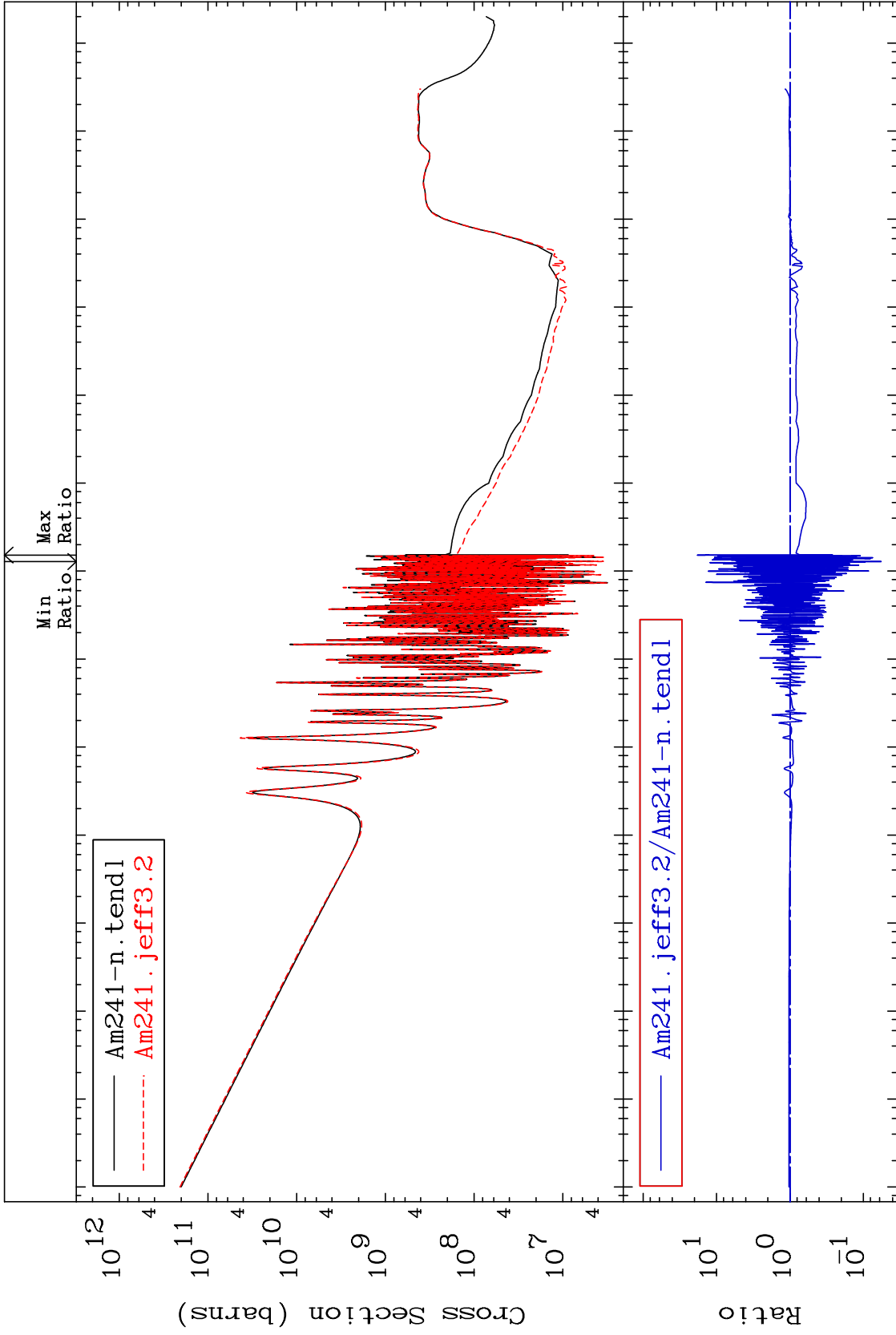
MAT 9543

Kerma total (eV-barns)

95-Am-241

-94.26 To 1715. %

Cross Section



50

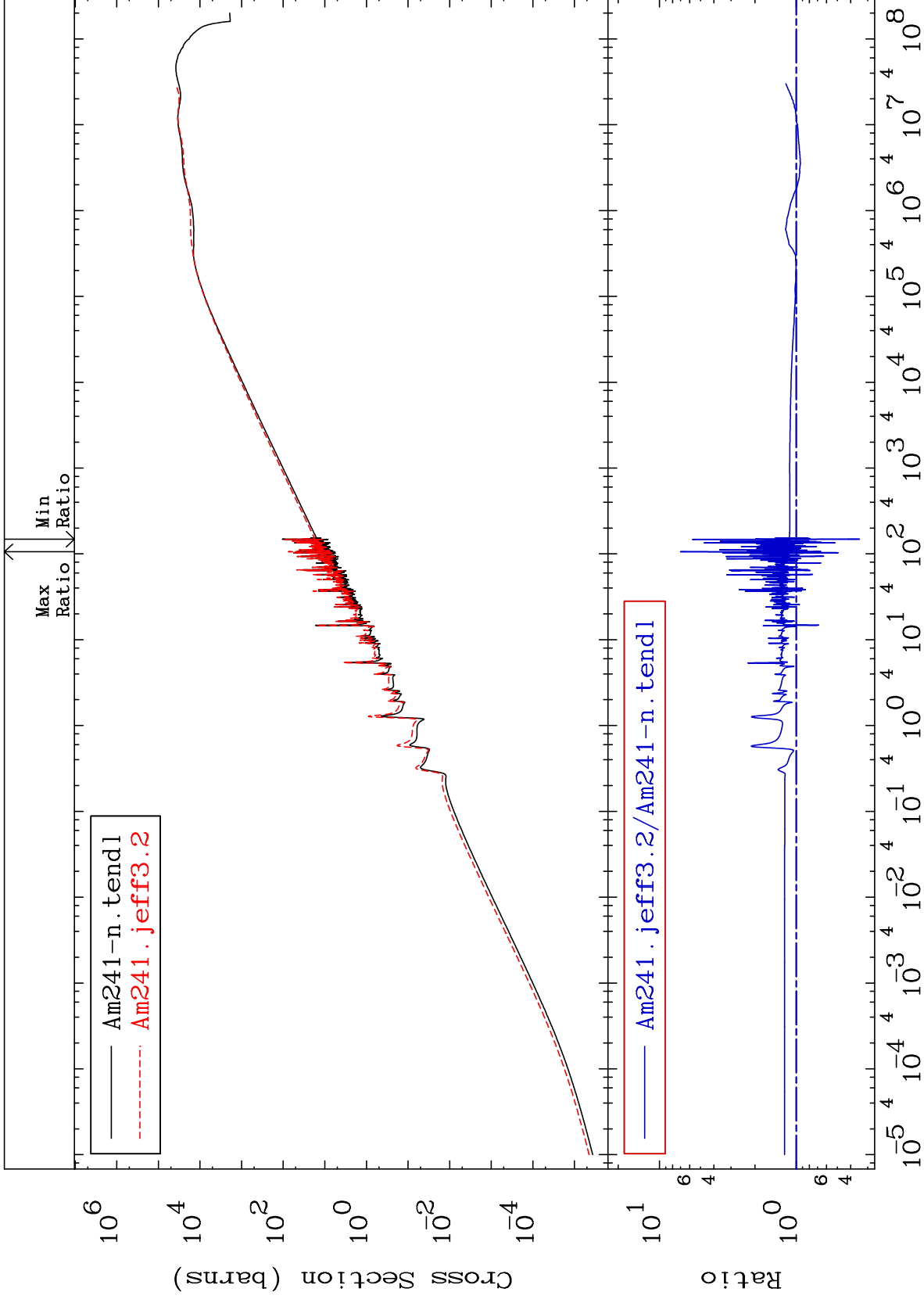
Incident Energy (eV)

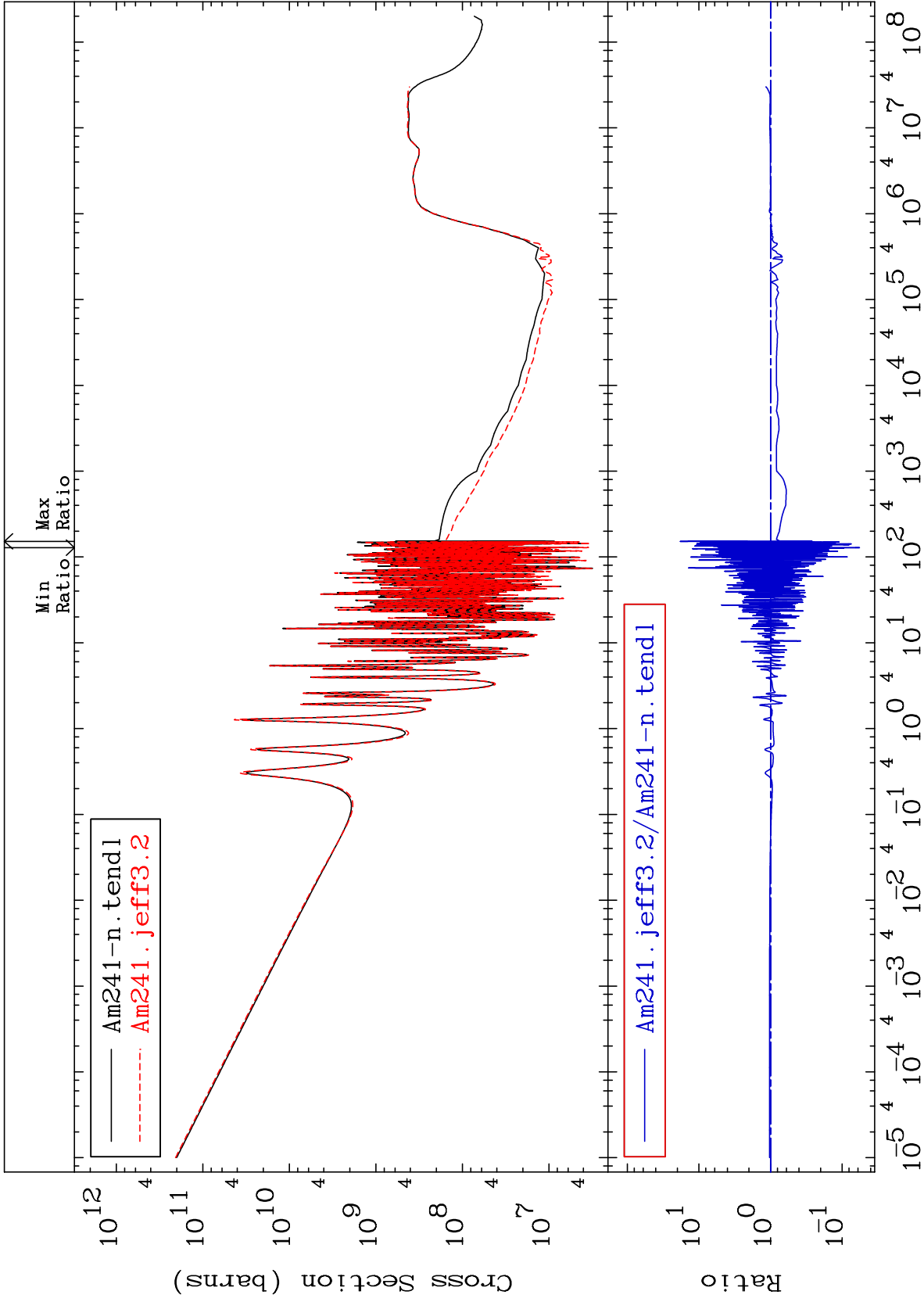
95-Am-241

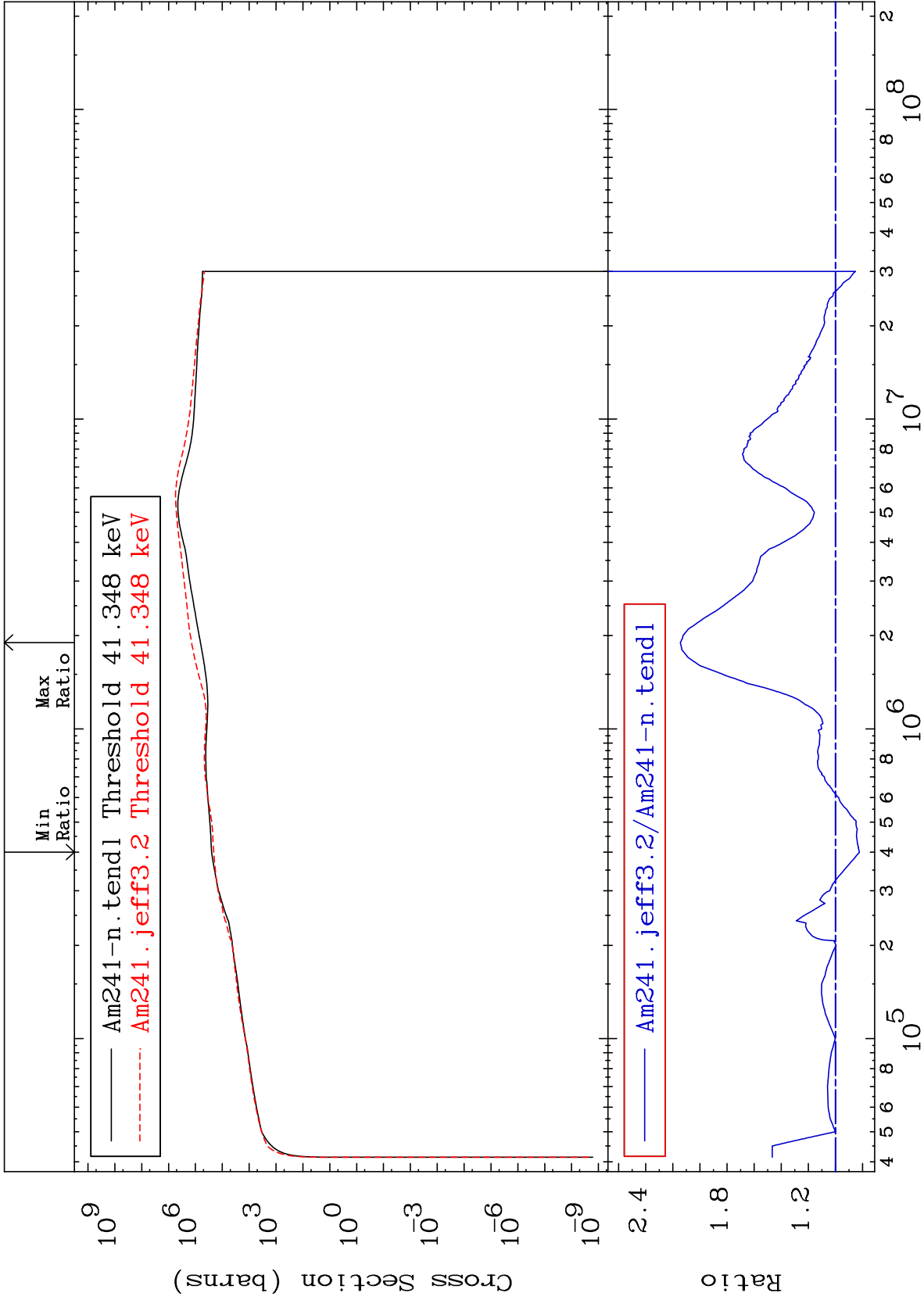
MAT 9543

Kerma elastic
Cross Section

95-Am-241
-65.48 To 602.6 %



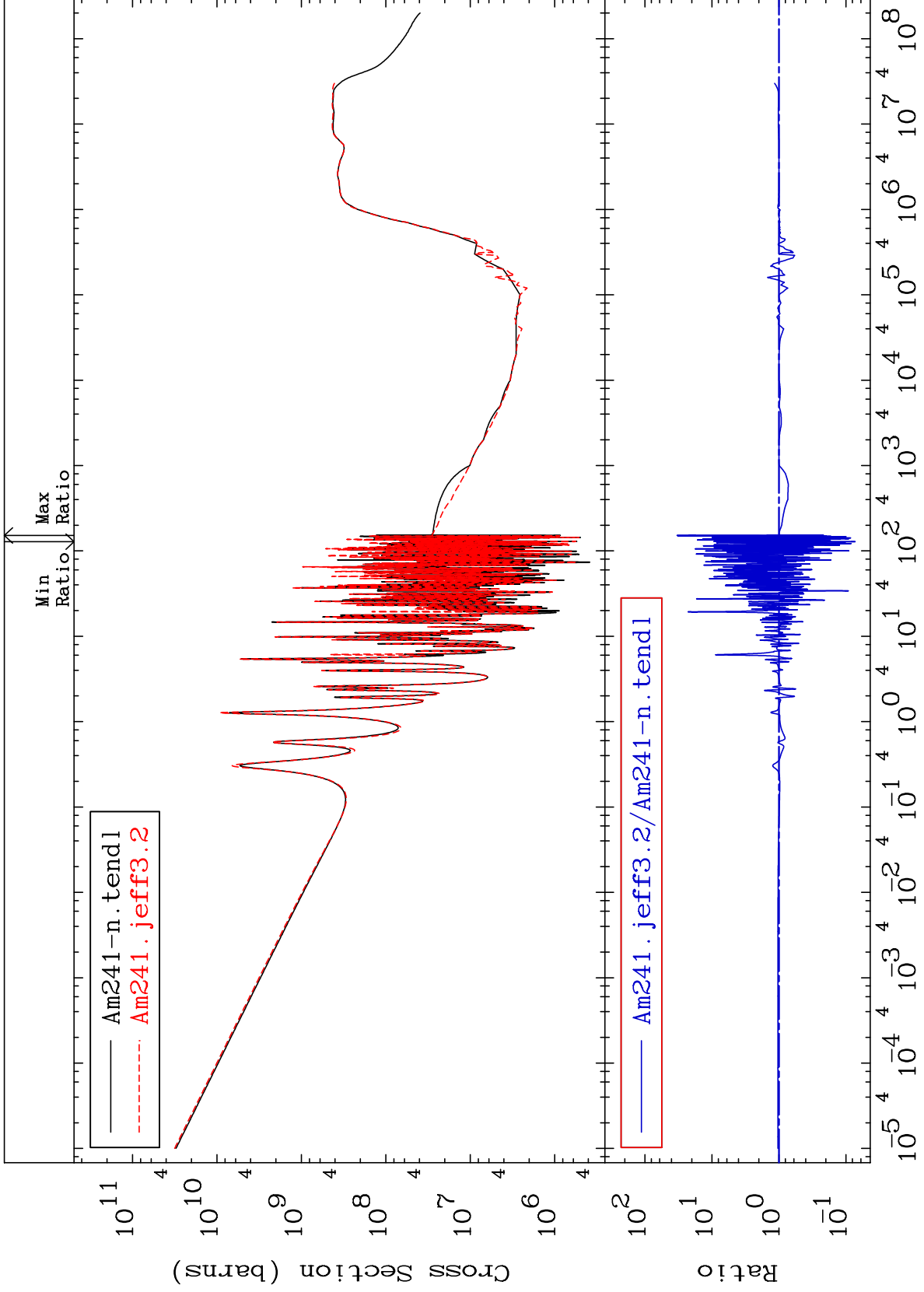




MAT 9543

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

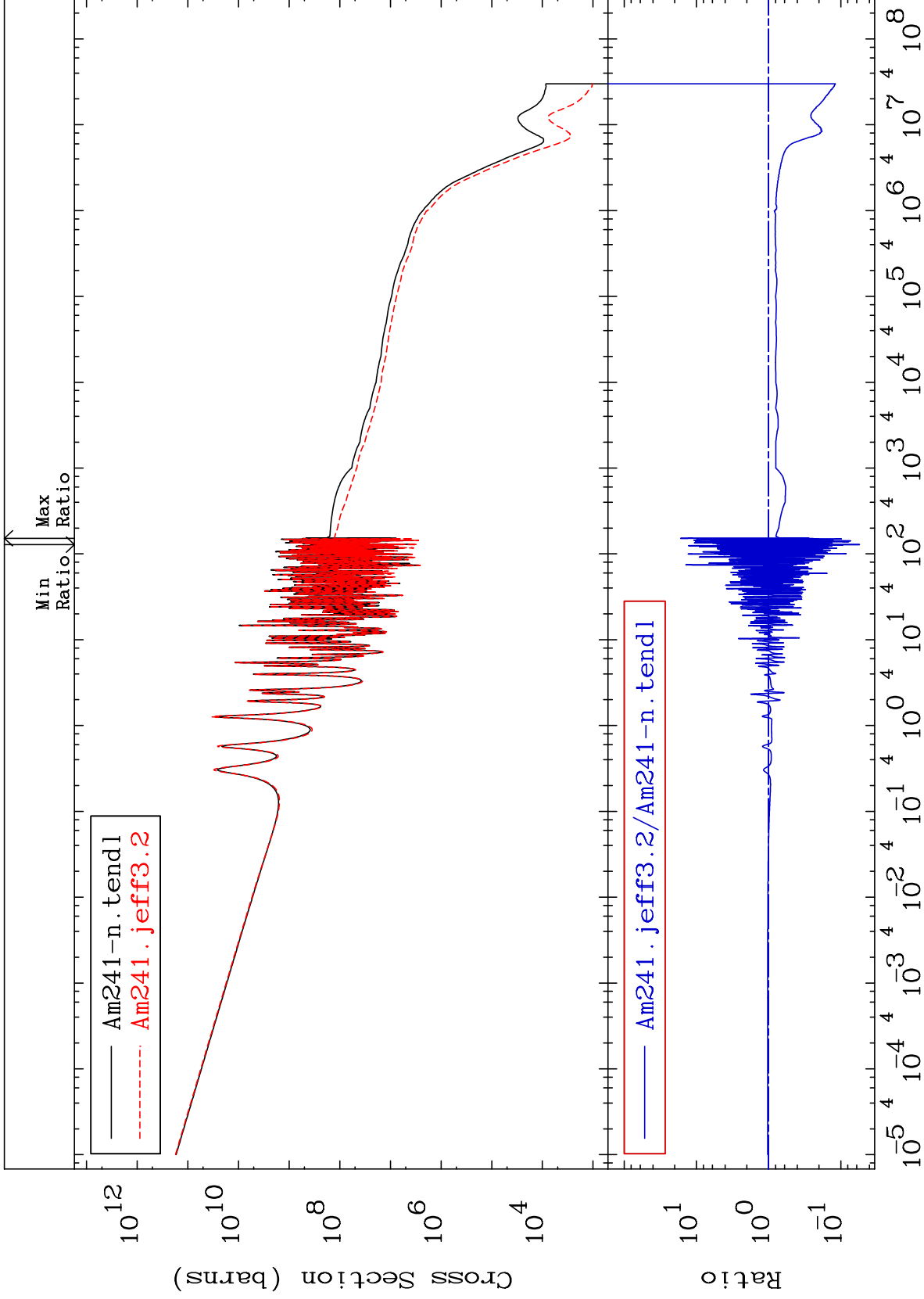
95-Am-241
-92.69 To 3227. %



MAT 9543

Kerma capture (mt102)
Cross Section

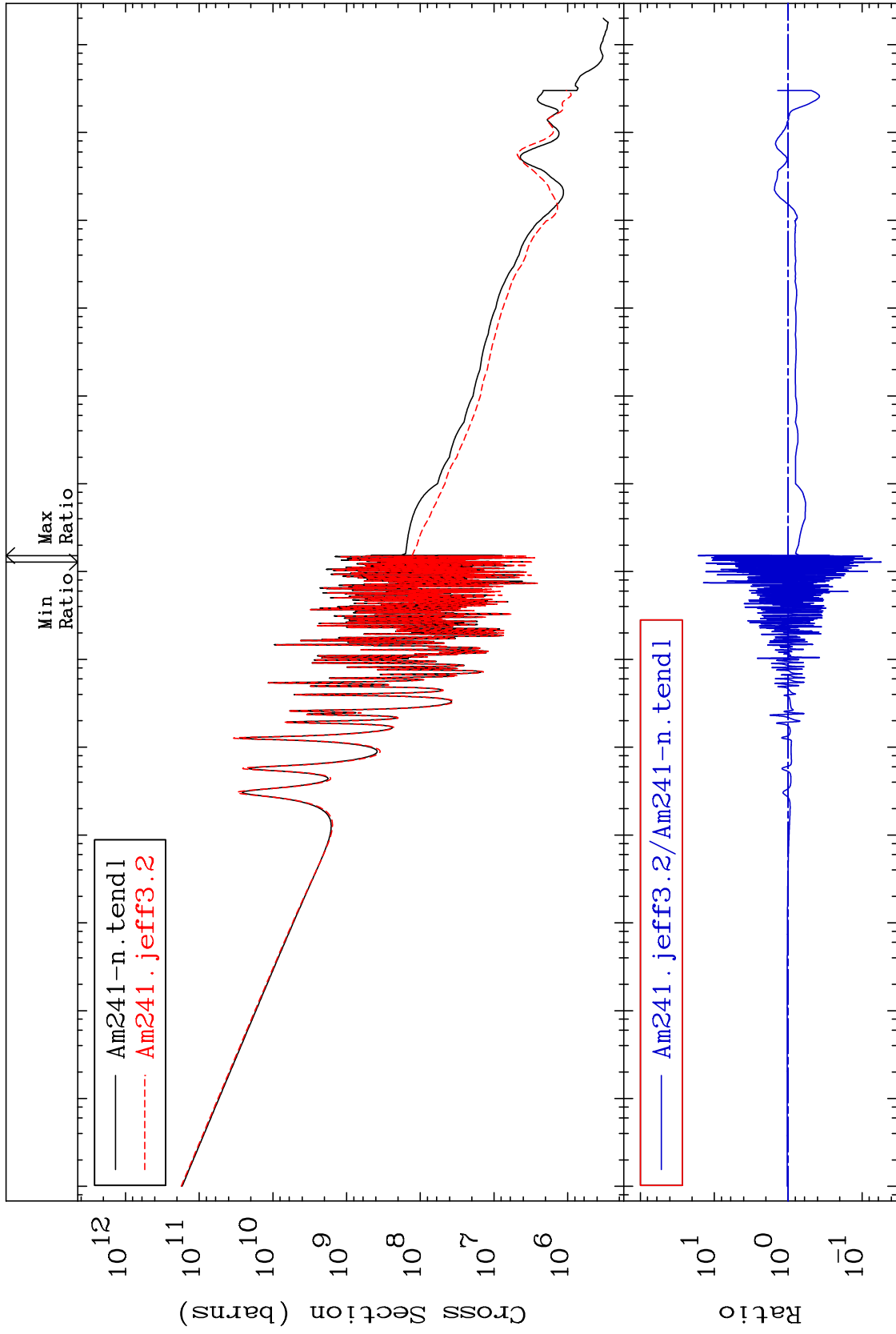
95-Am-241
-94.48 To 1567. %



MAT 9543

Total photon (eV-barns)
Cross Section

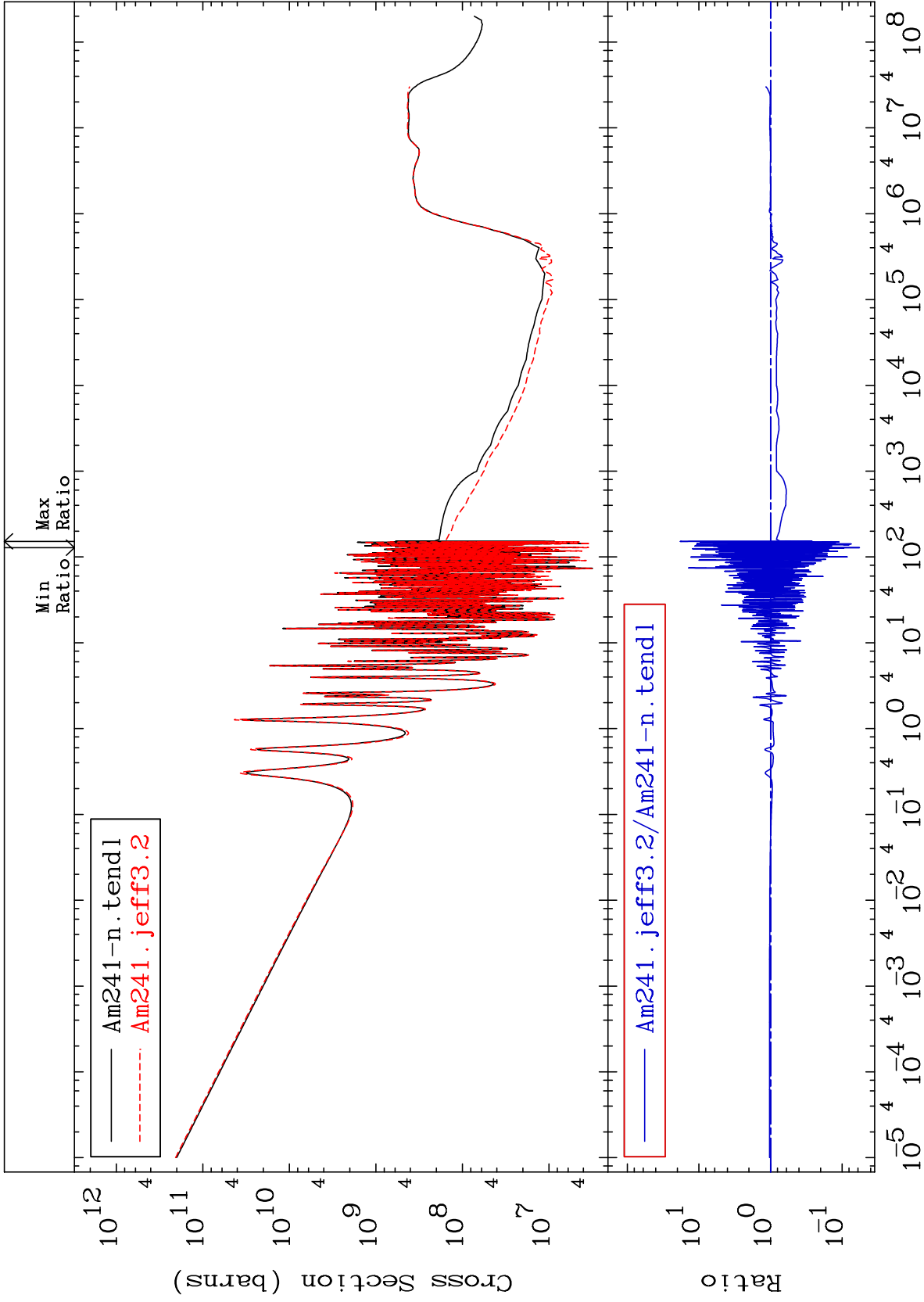
95-Am-241
-94.48 To 1567. %



56

Incident Energy (eV)

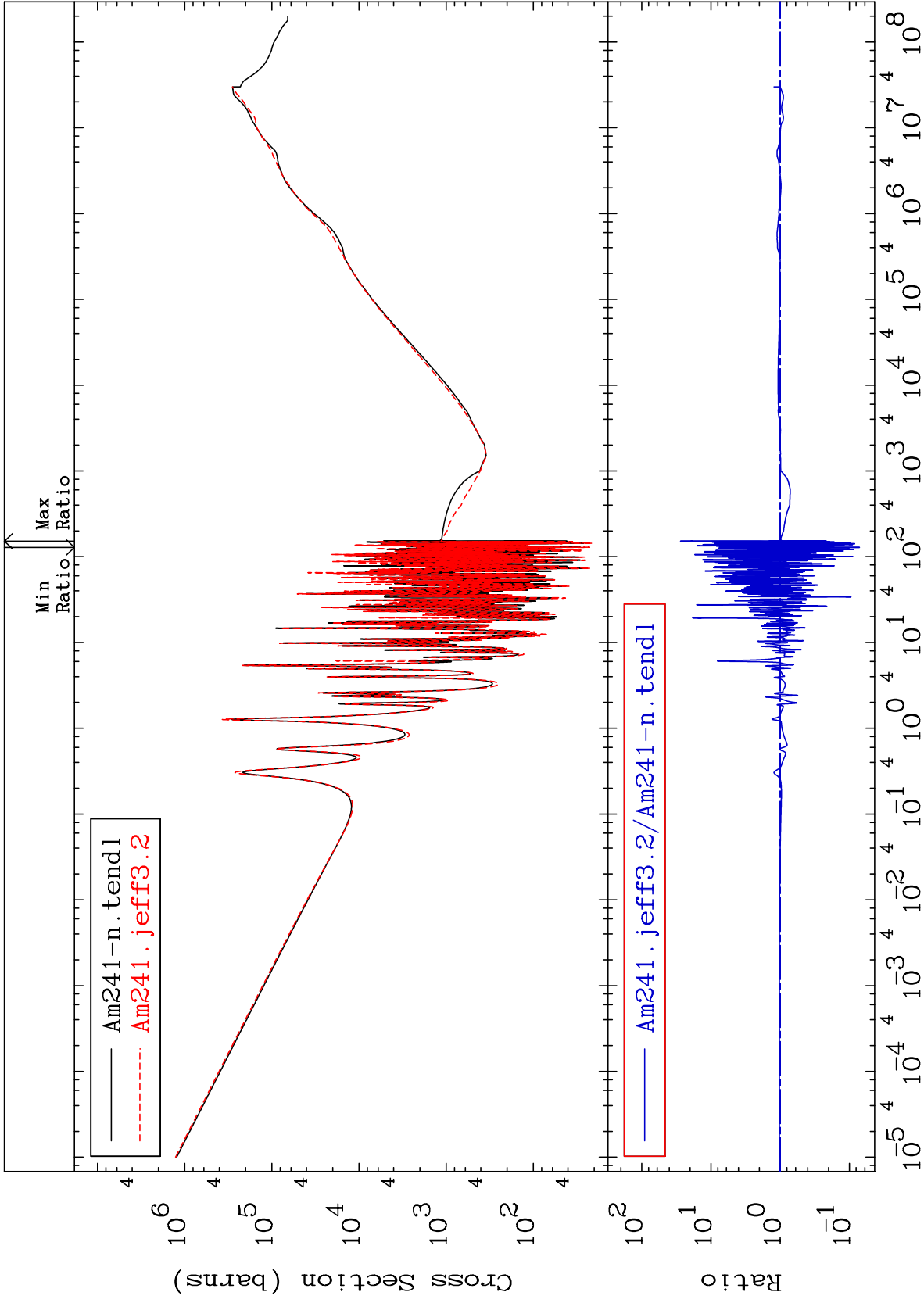
95-Am-241



MAT 9543

Dpa total (eV-barns)
Cross Section

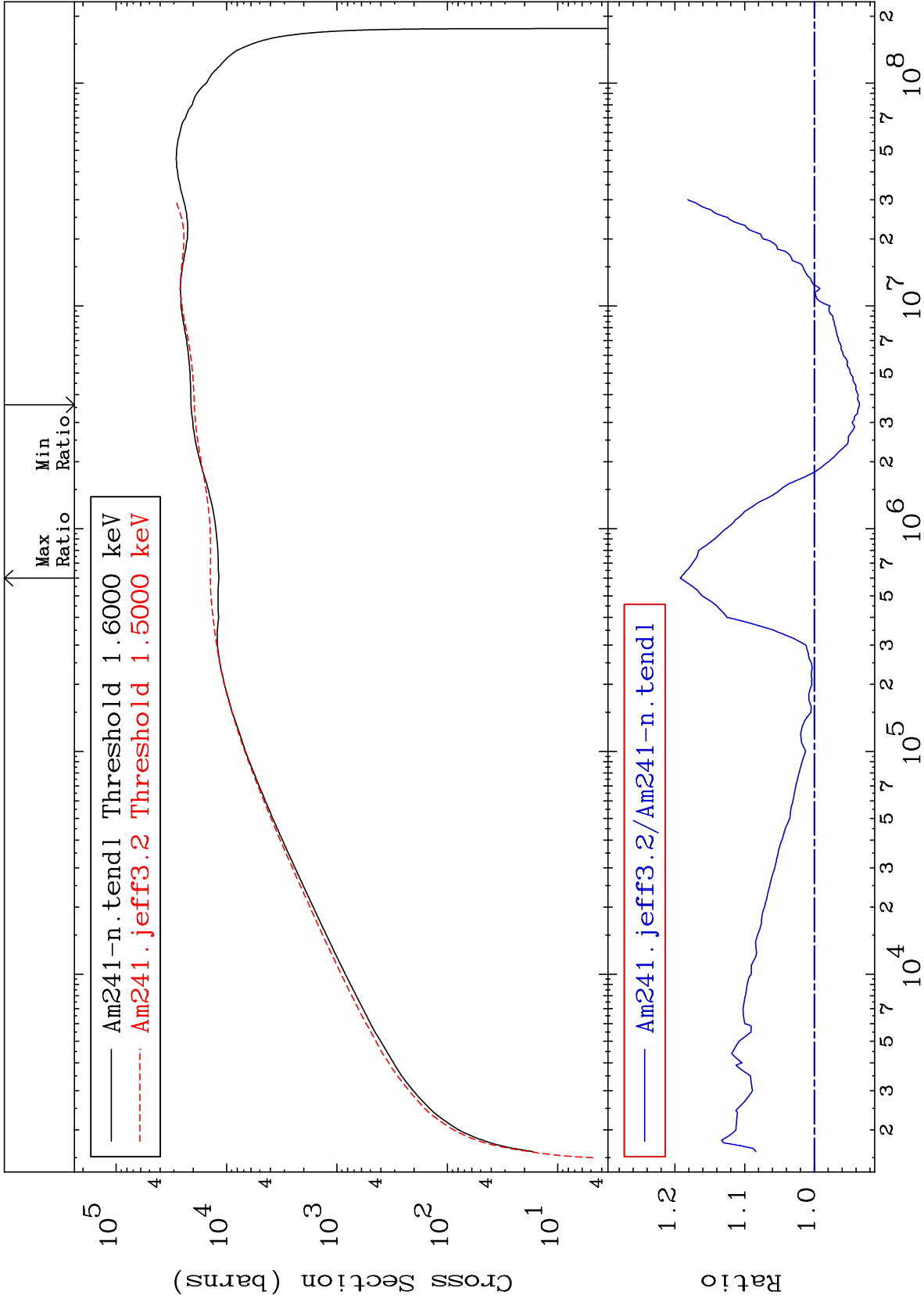
95-Am-241
-92.82 To 2674. %



MAT 9543

Dpa elastic (mt2)
Cross Section

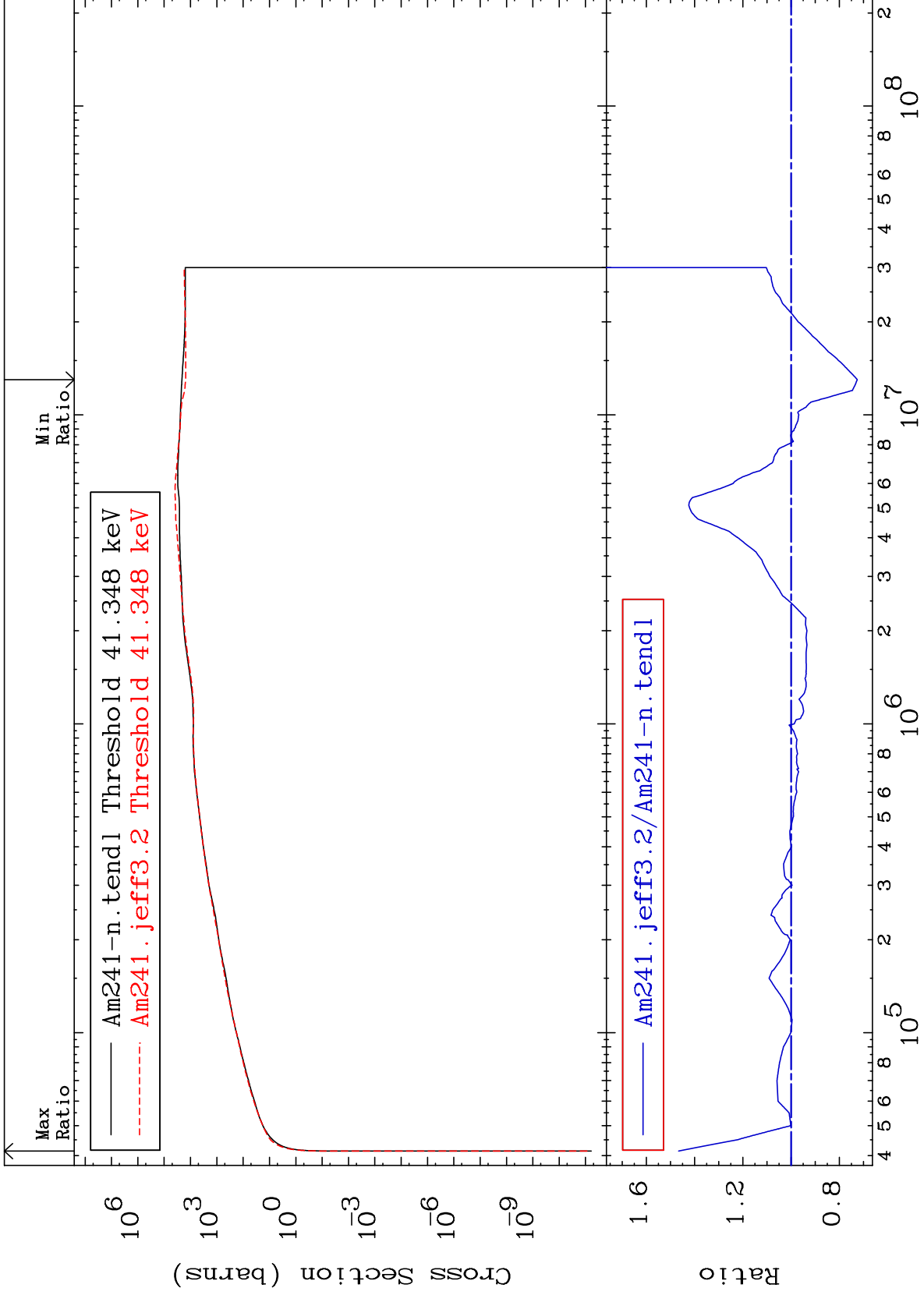
95-Am-241
-6.479 To 19.23 %



MAT 9543

Dpa inelastic (mt51-91)
Cross Section

95-Am-241
-27.41 To 46.61 %



60

Incident Energy (eV)

95-Am-241

MAT 9543

Dpa disappearance (mt102 -120)
Cross Section

95-Am-241
-99.70 To 185.2 %

