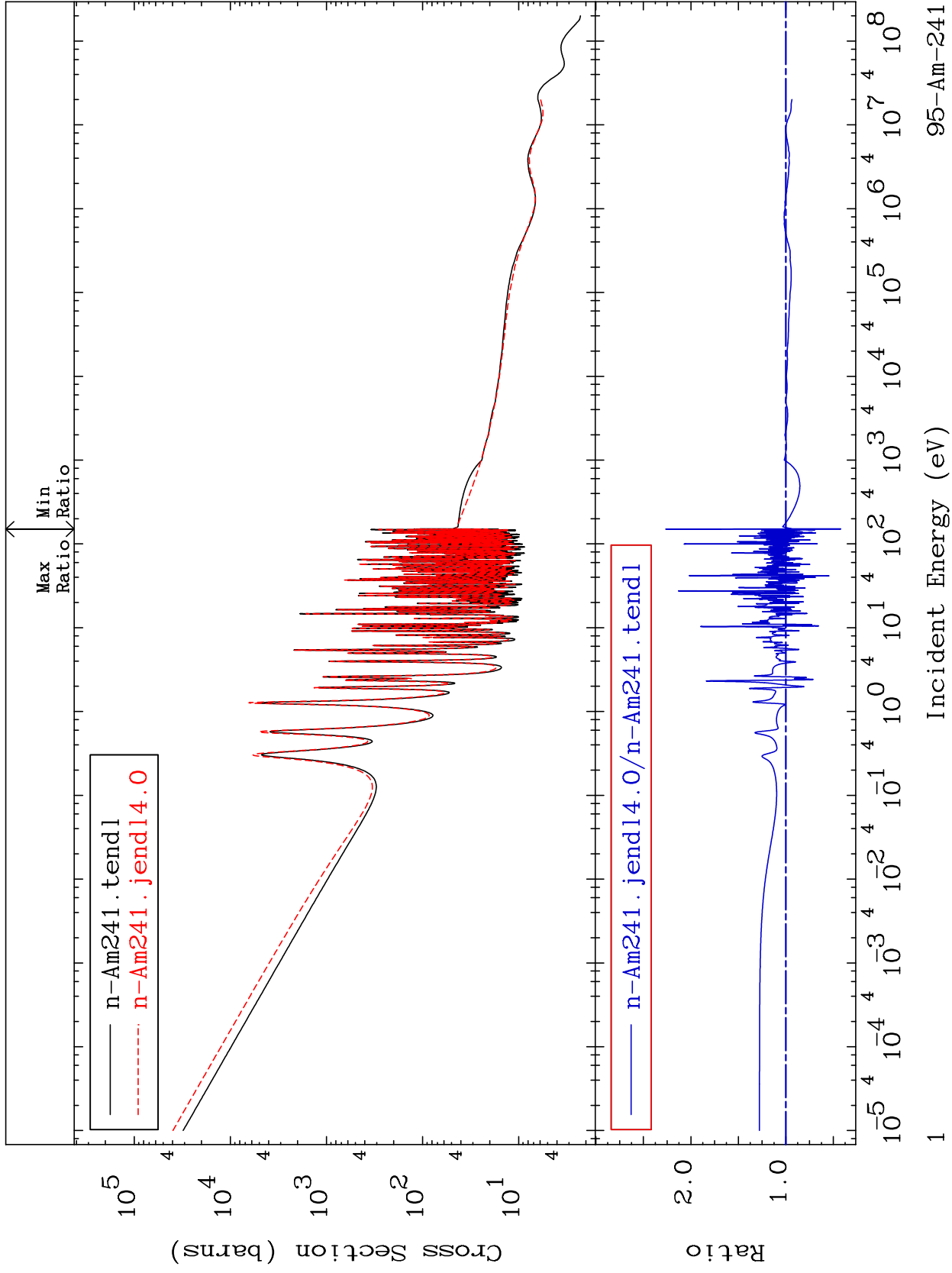


MAT 9543

Total
Cross Section

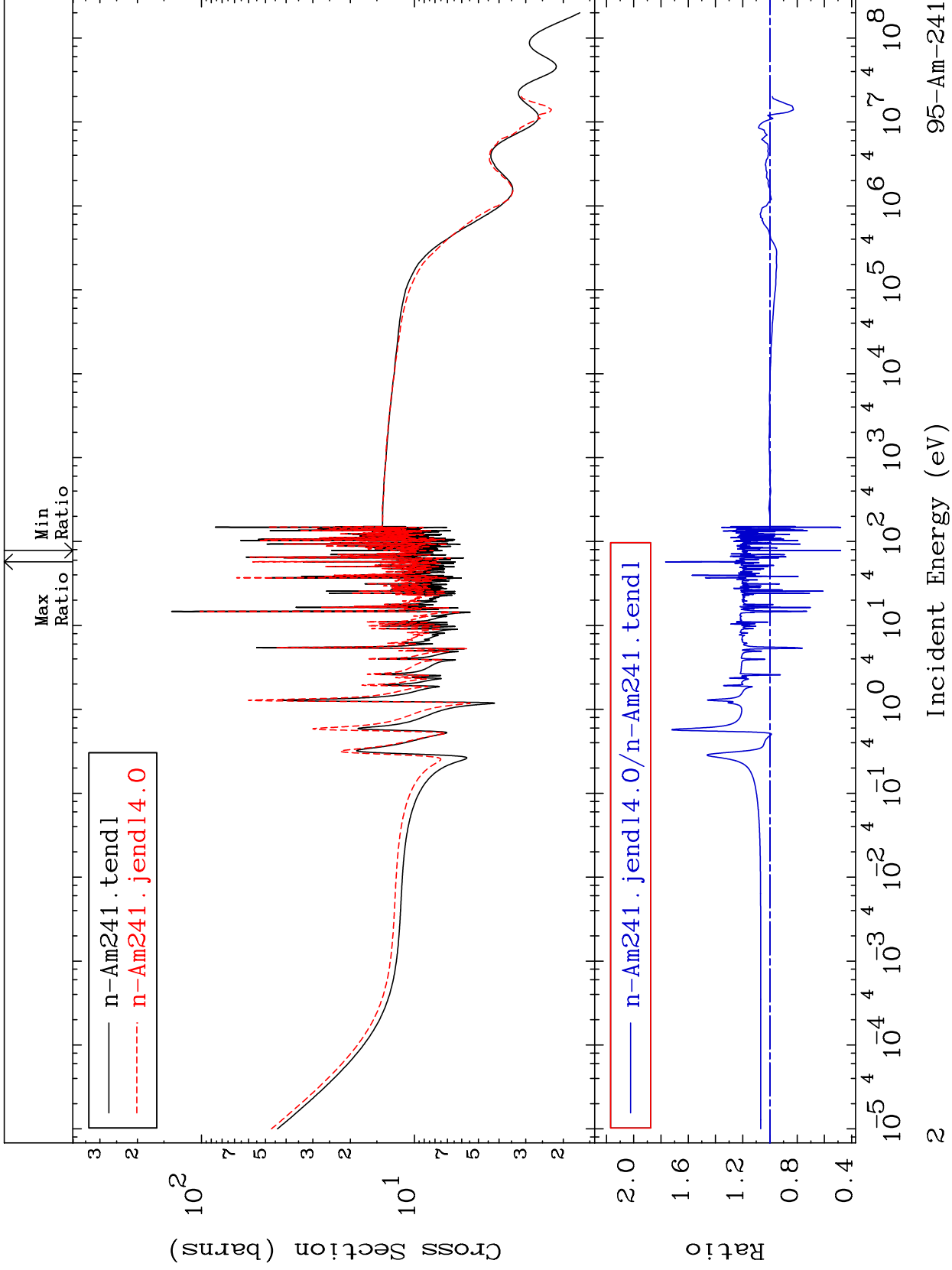
95-Am-241
-57.92 To 126.2 %



MAT 9543

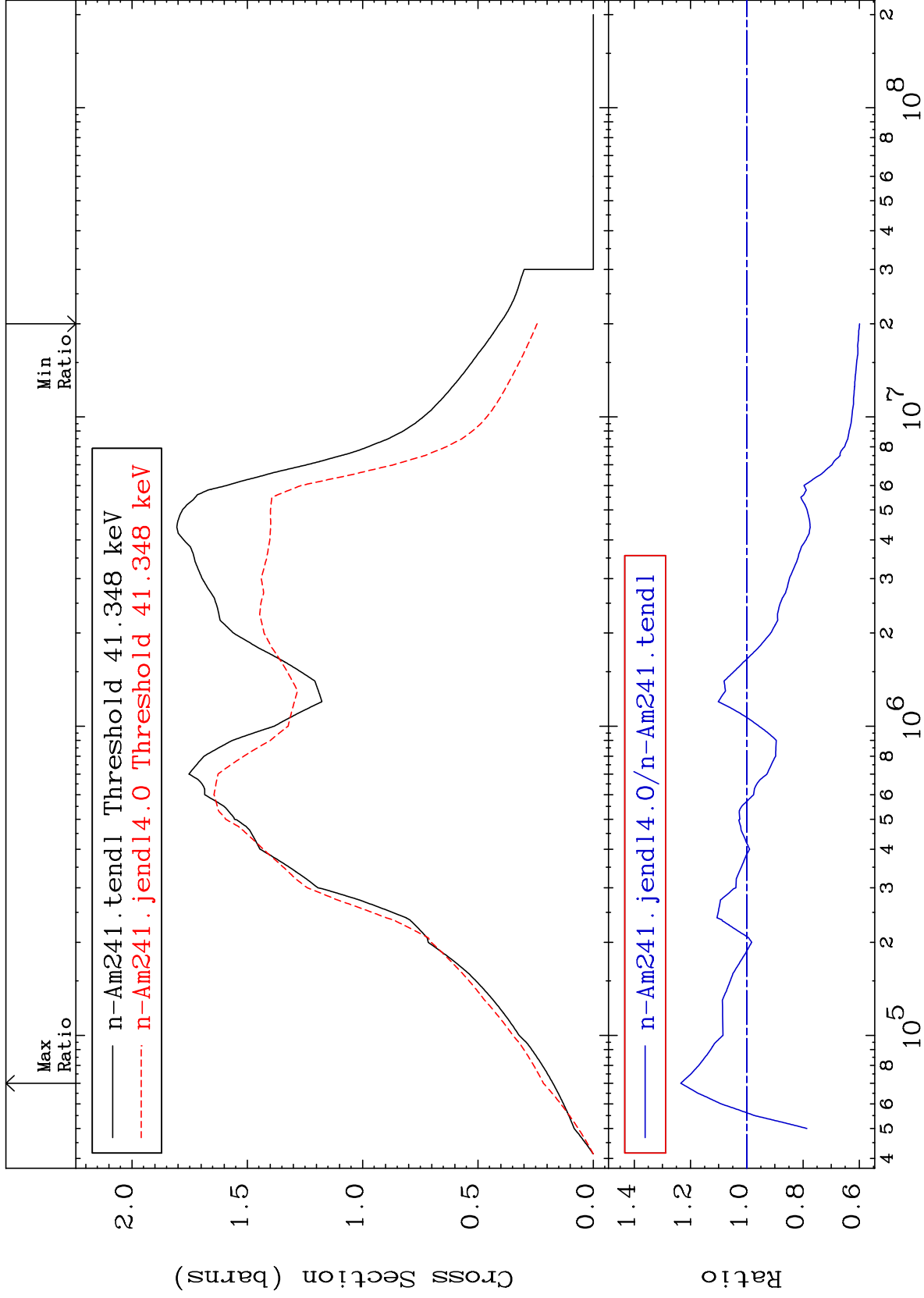
Elastic
Cross Section

95-Am-241
-51.93 To 76.67 %



95-Am-241

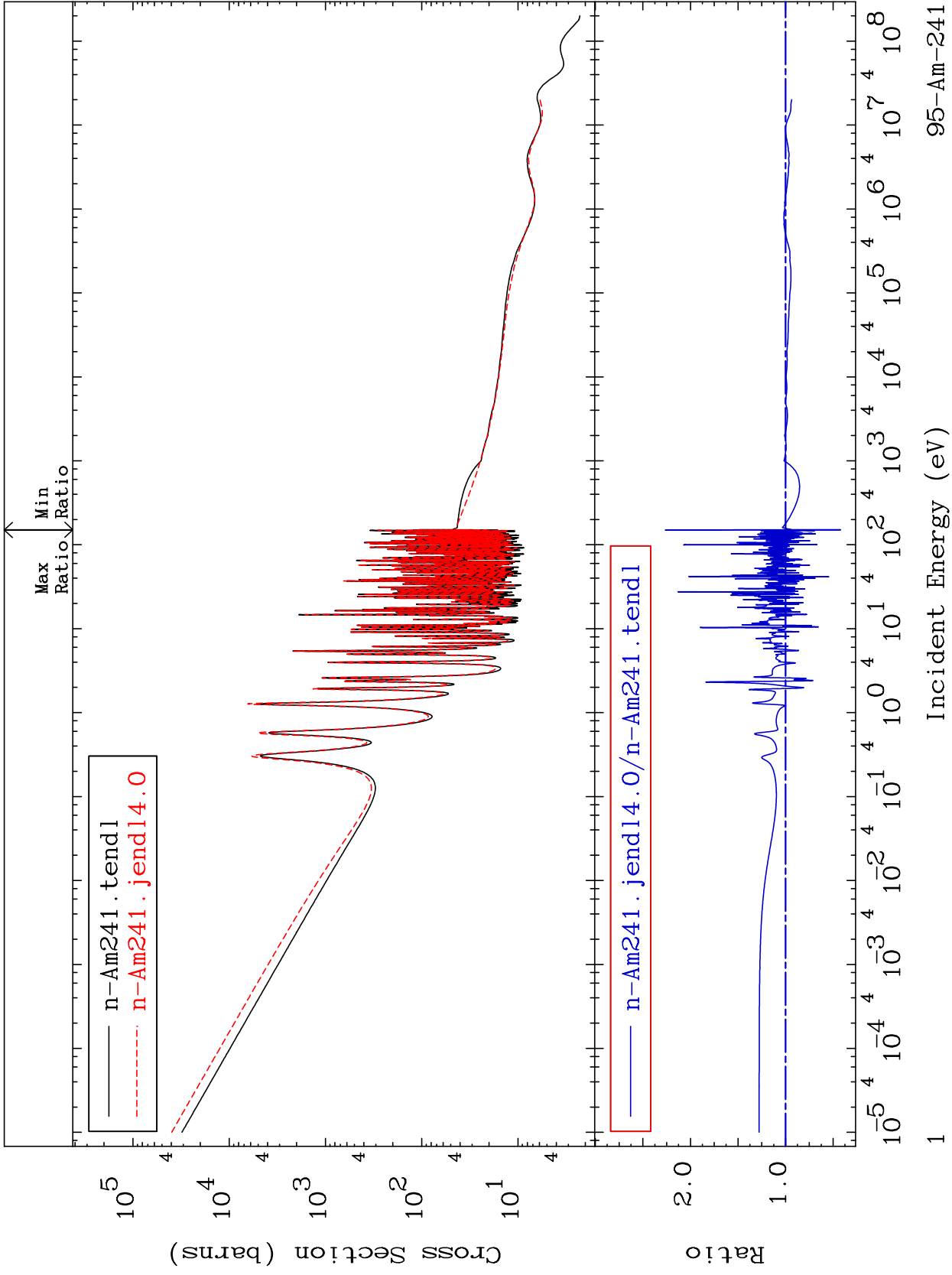
MAT 9543 Inelastic Cross Section 95-Am-241 -40.08 To 23.46 %



MAT 9543

Total
Cross Section

95-Am-241
-57.92 To 126.2 %

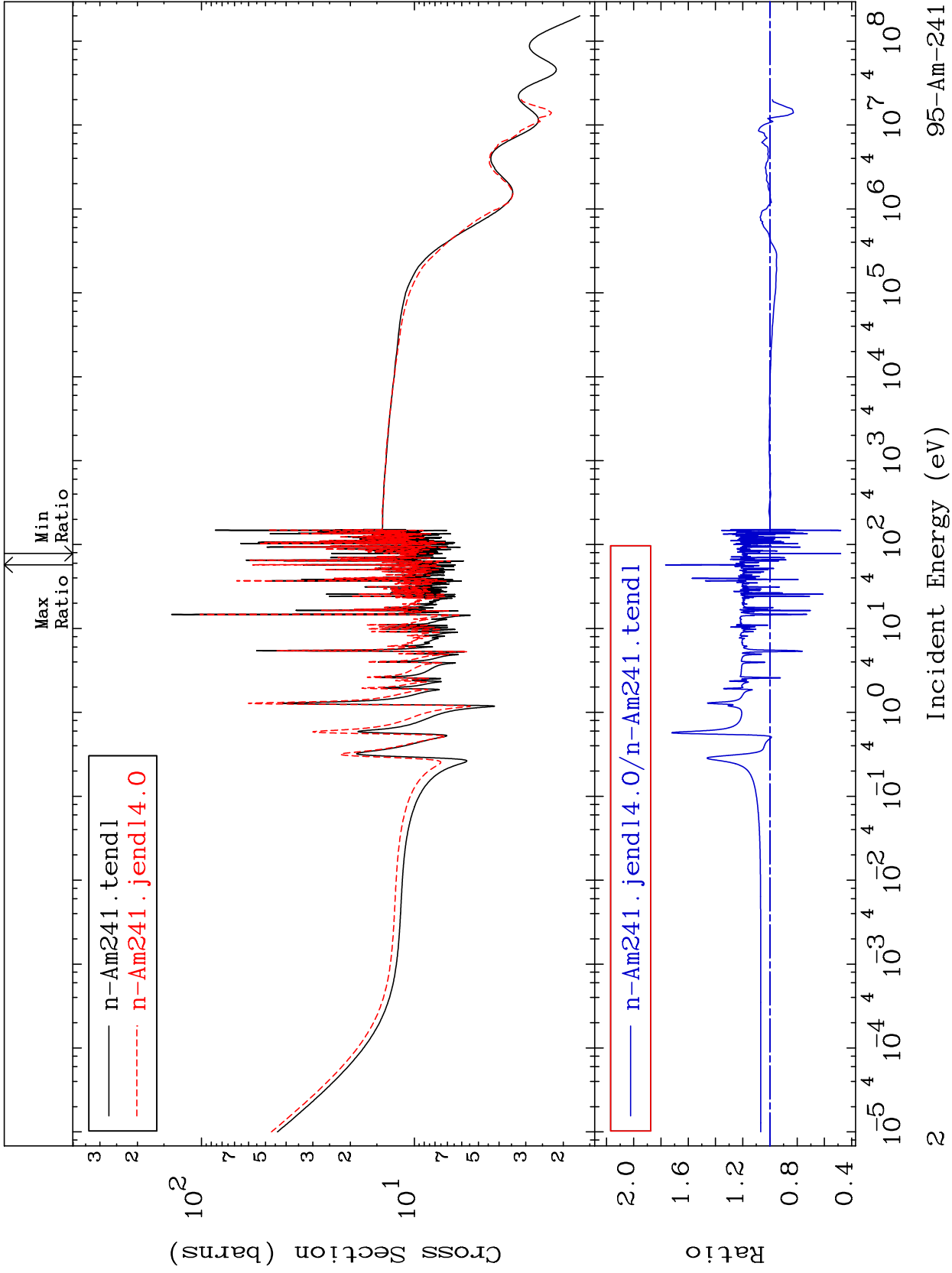


95-Am-241

MAT 9543

Elastic
Cross Section

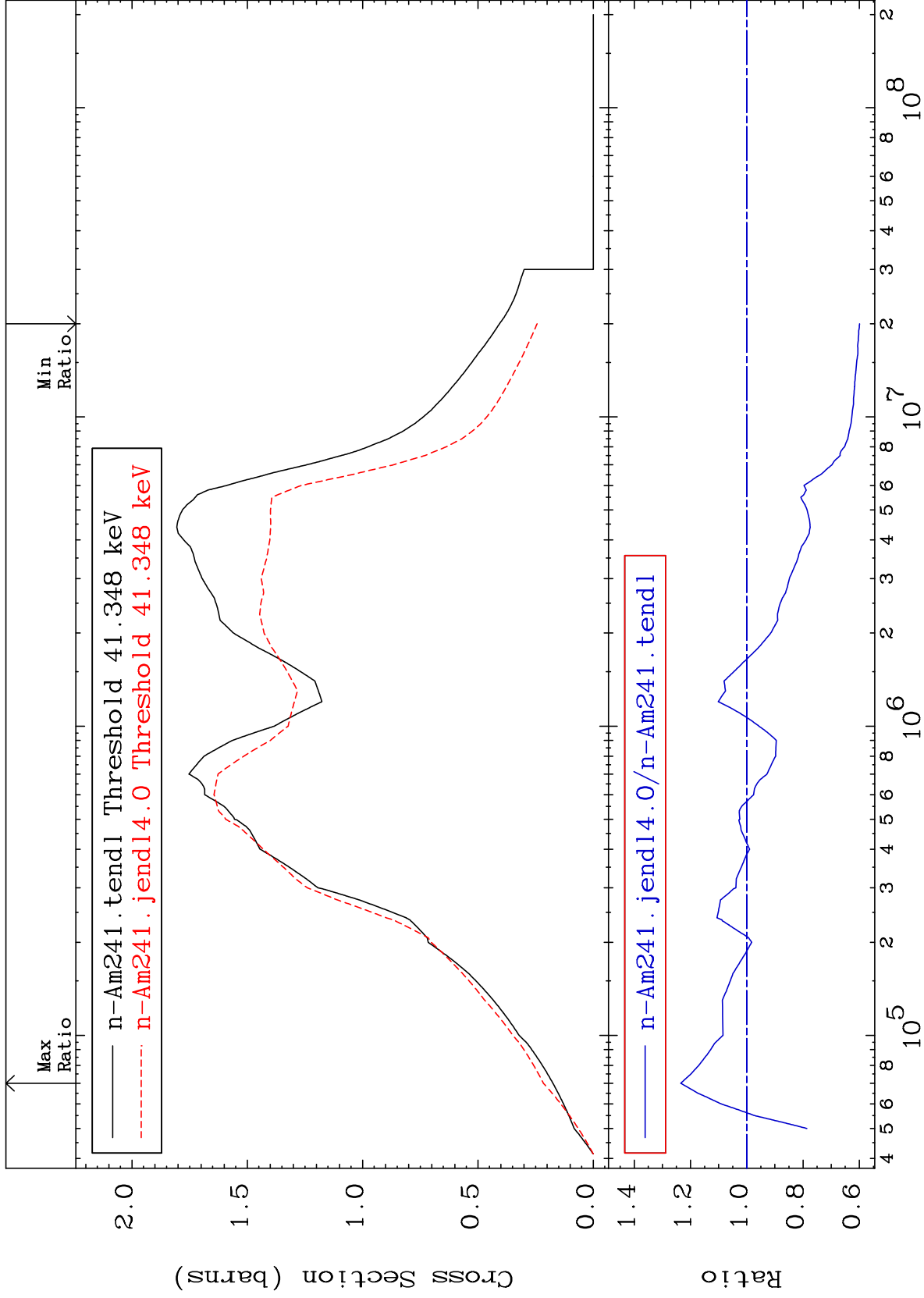
95-Am-241
-51.93 To 76.67 %



95-Am-241

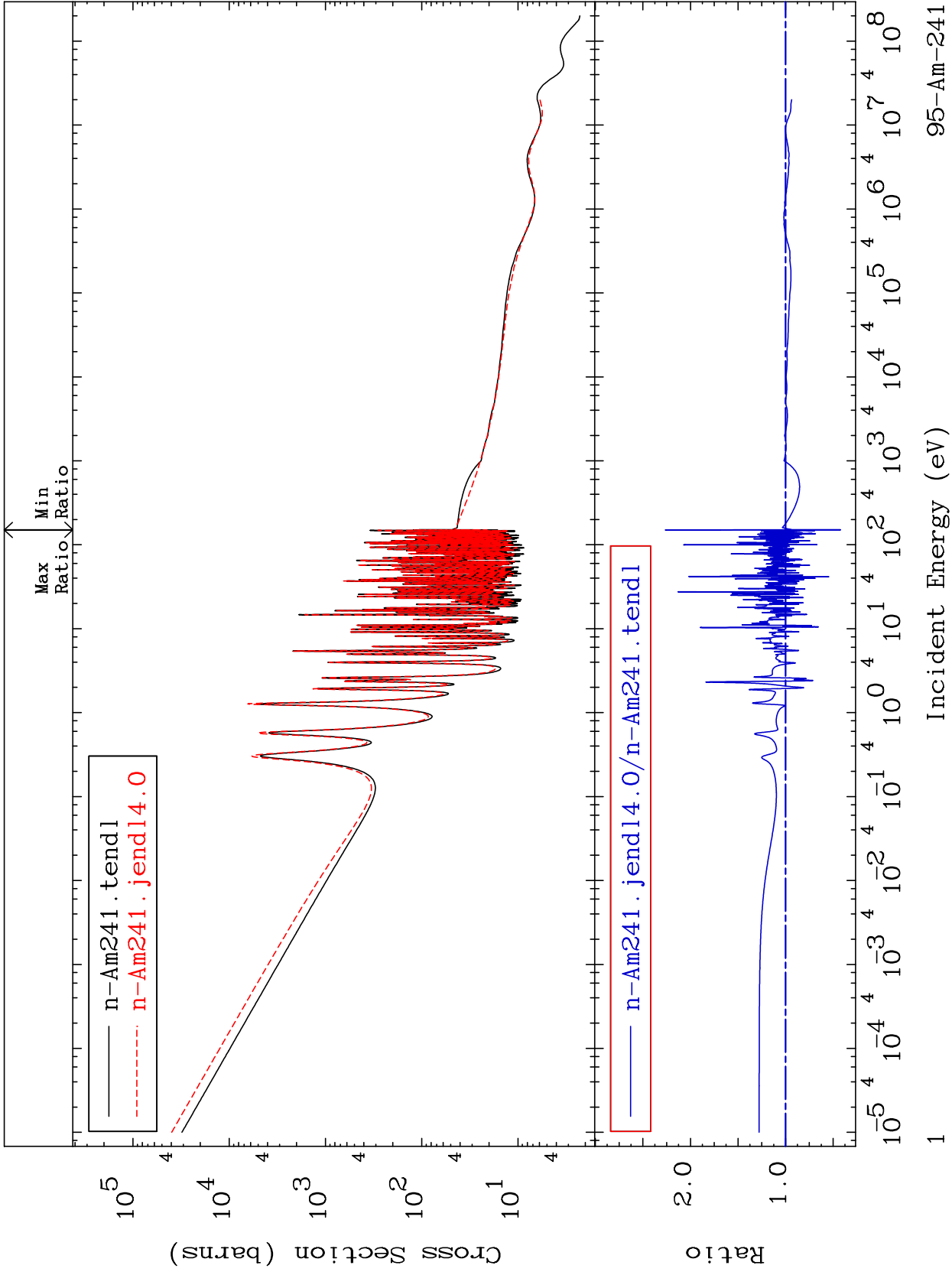
Incident Energy (eV)

MAT 9543 Inelastic Cross Section 95-Am-241 -40.08 To 23.46 %



MAT 9543

Total Cross Section
95-Am-241
-57.92 To 126.2 %

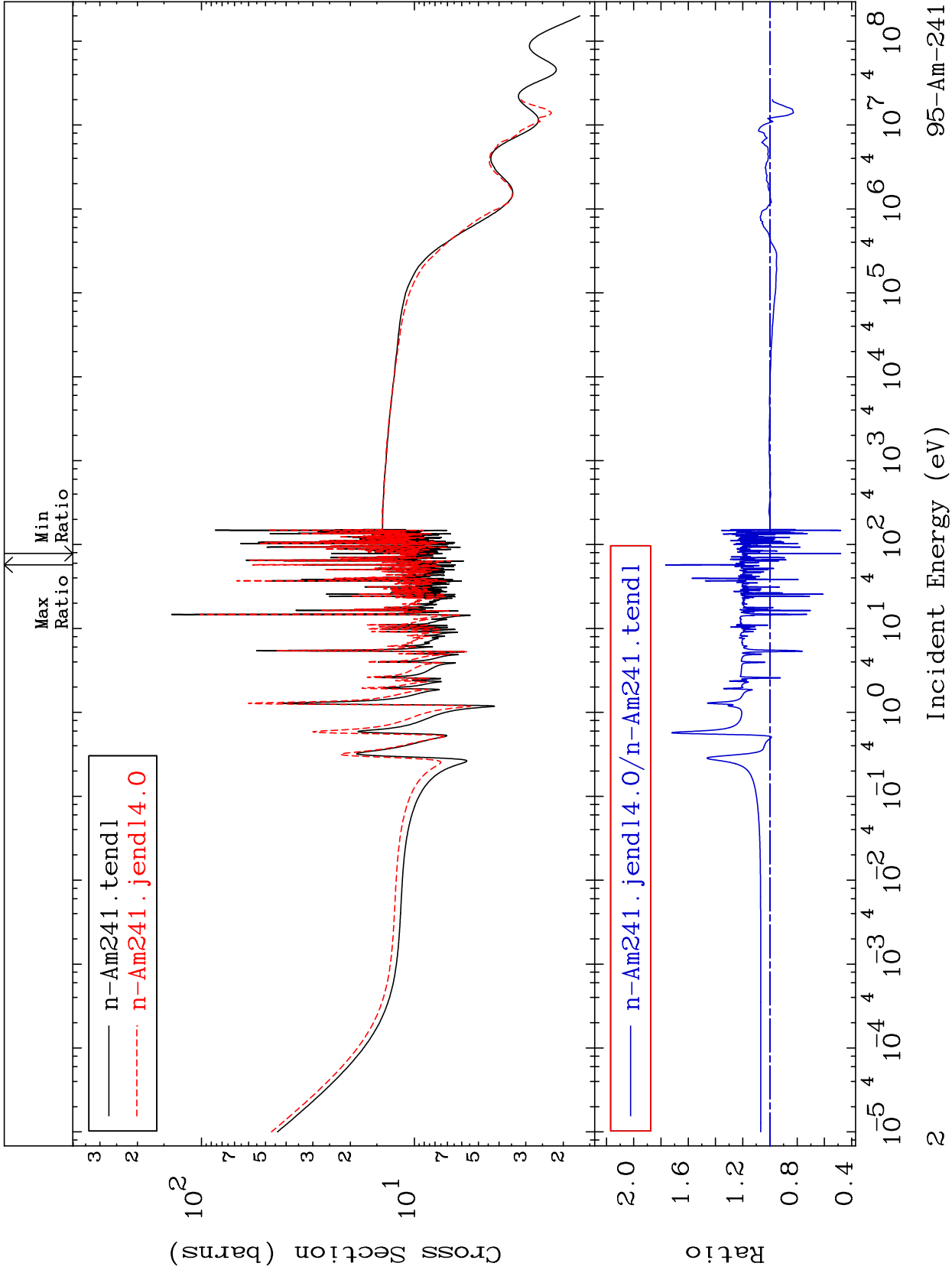


95-Am-241

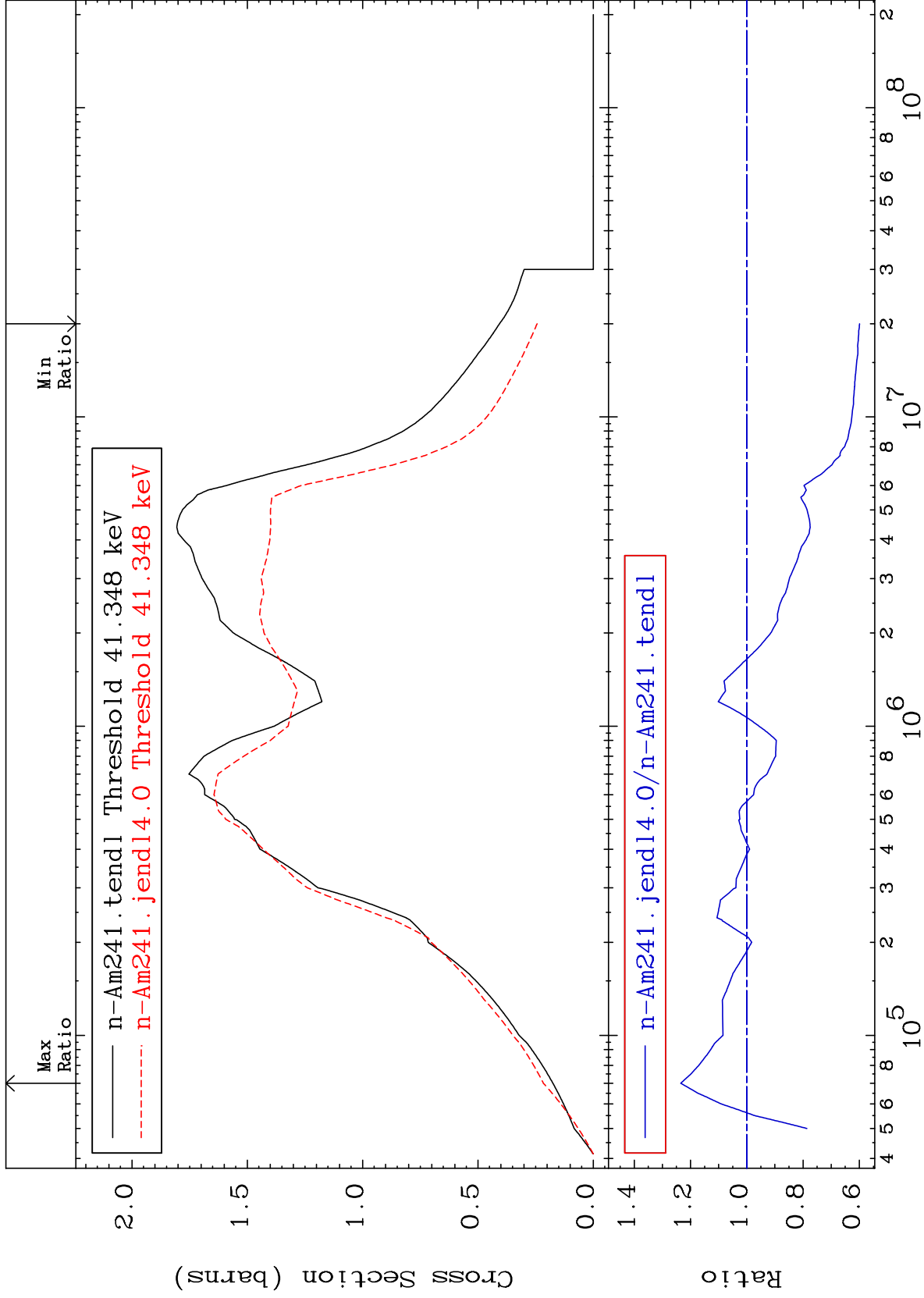
MAT 9543

Elastic
Cross Section

95-Am-241
-51.93 To 76.67 %



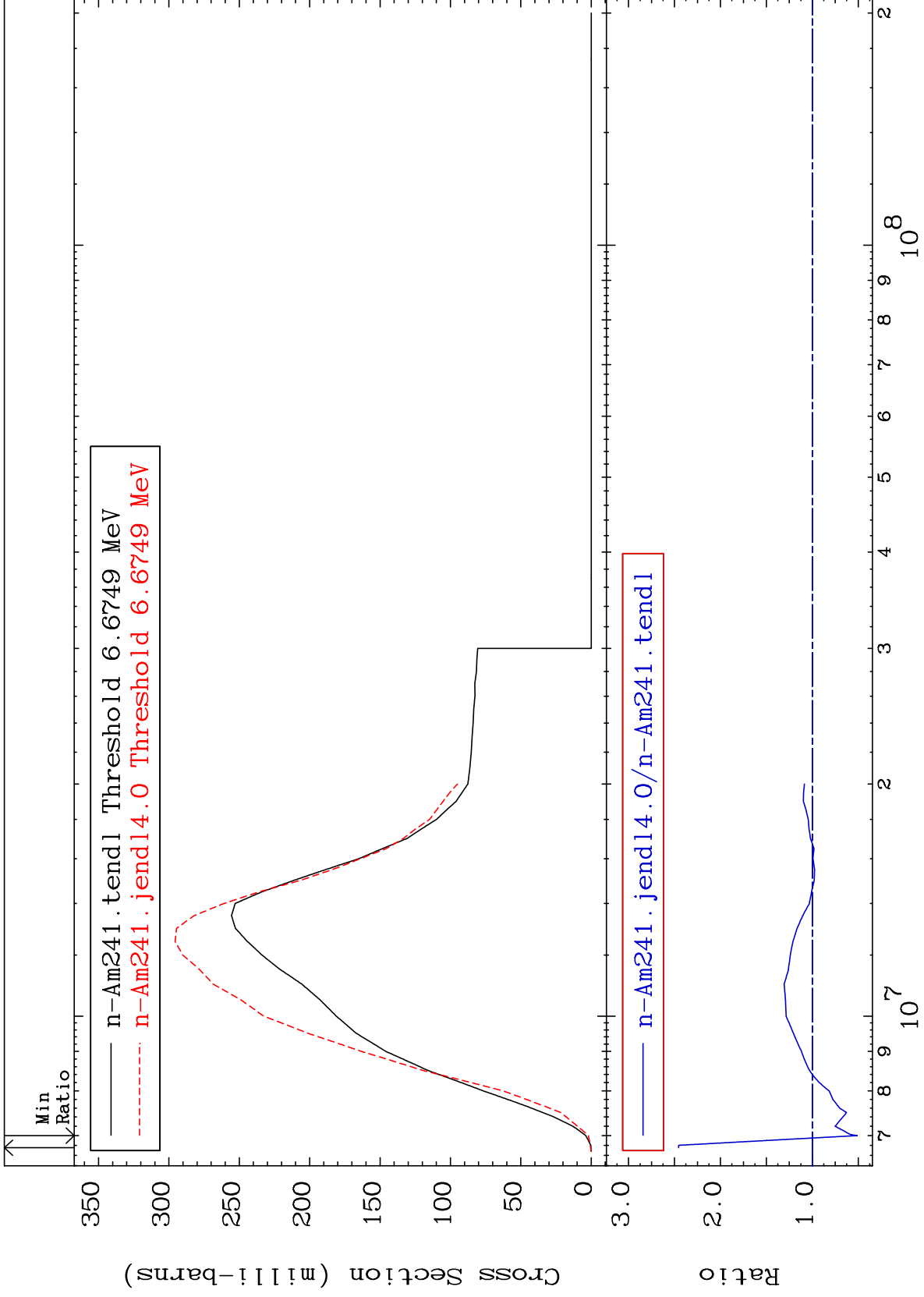
MAT 9543 Inelastic Cross Section 95-Am-241 -40.08 To 23.46 %



MAT 9543

(n,2n)
Cross Section

95-Am-241
-48.96 To 145.5 %



4

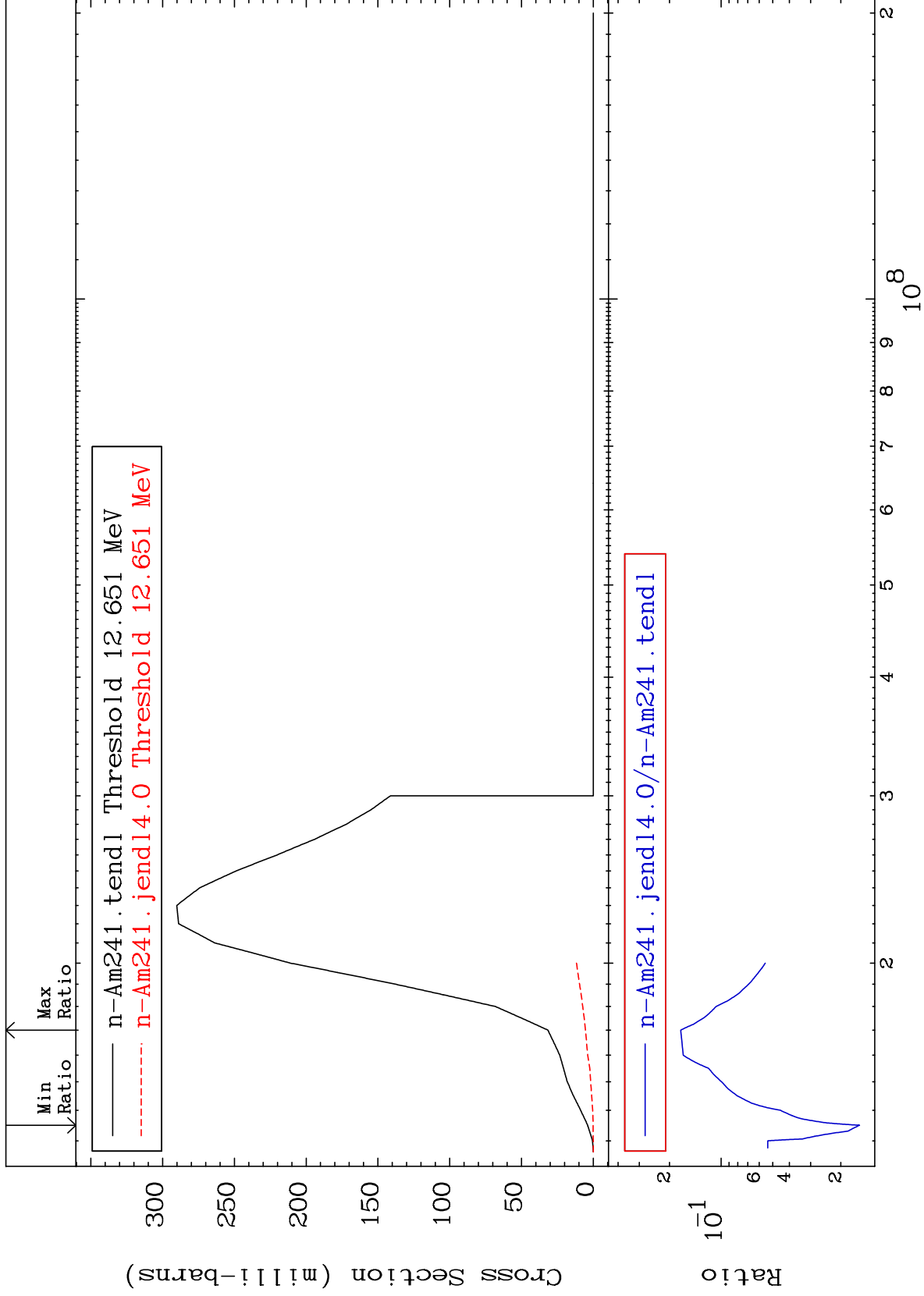
Incident Energy (eV)

95-Am-241

MAT 9543

(n,3n)
Cross Section

95-Am-241
-98.44 To -82.80%



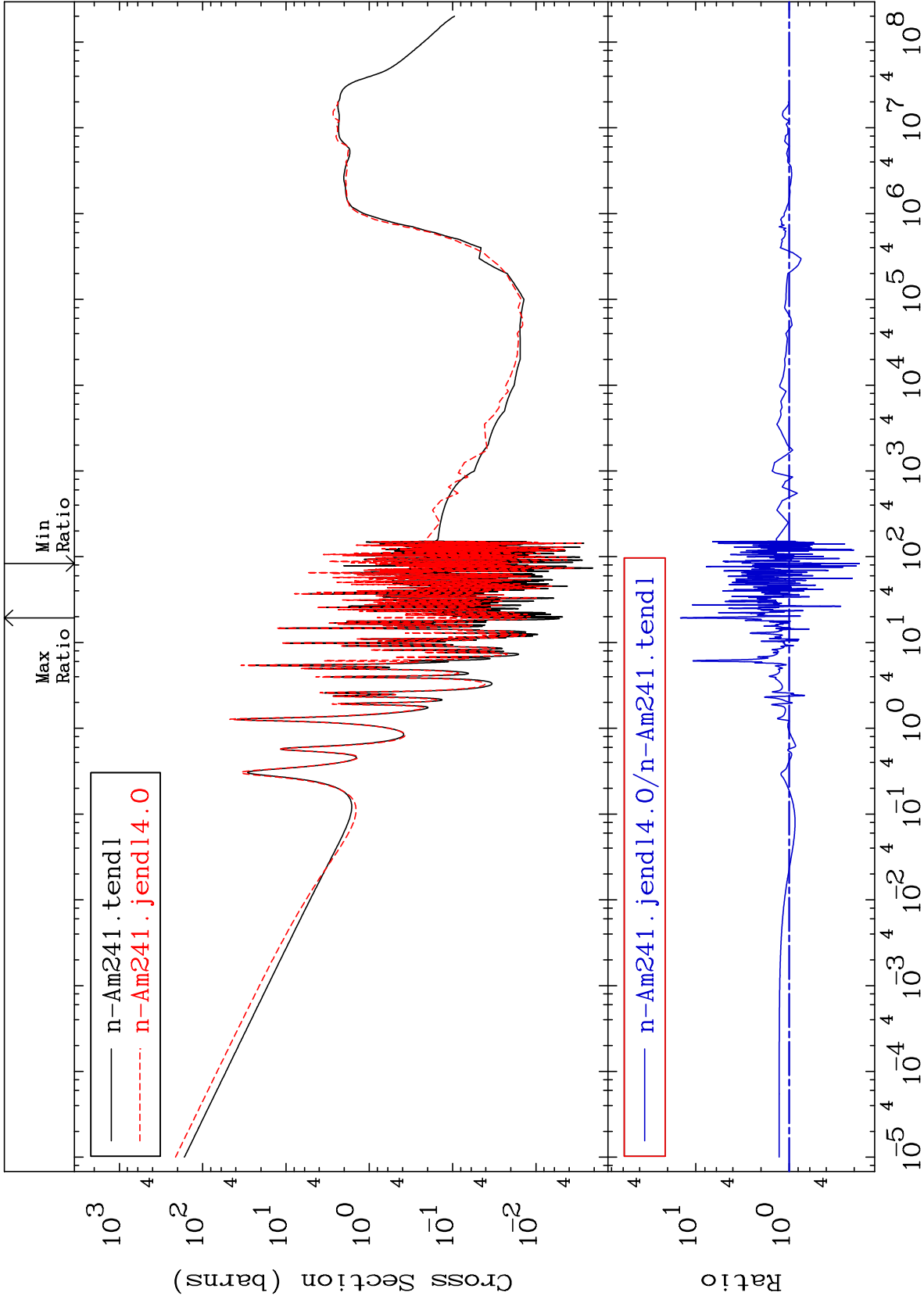
5

Incident Energy (eV)

95-Am-241

MAT 9543

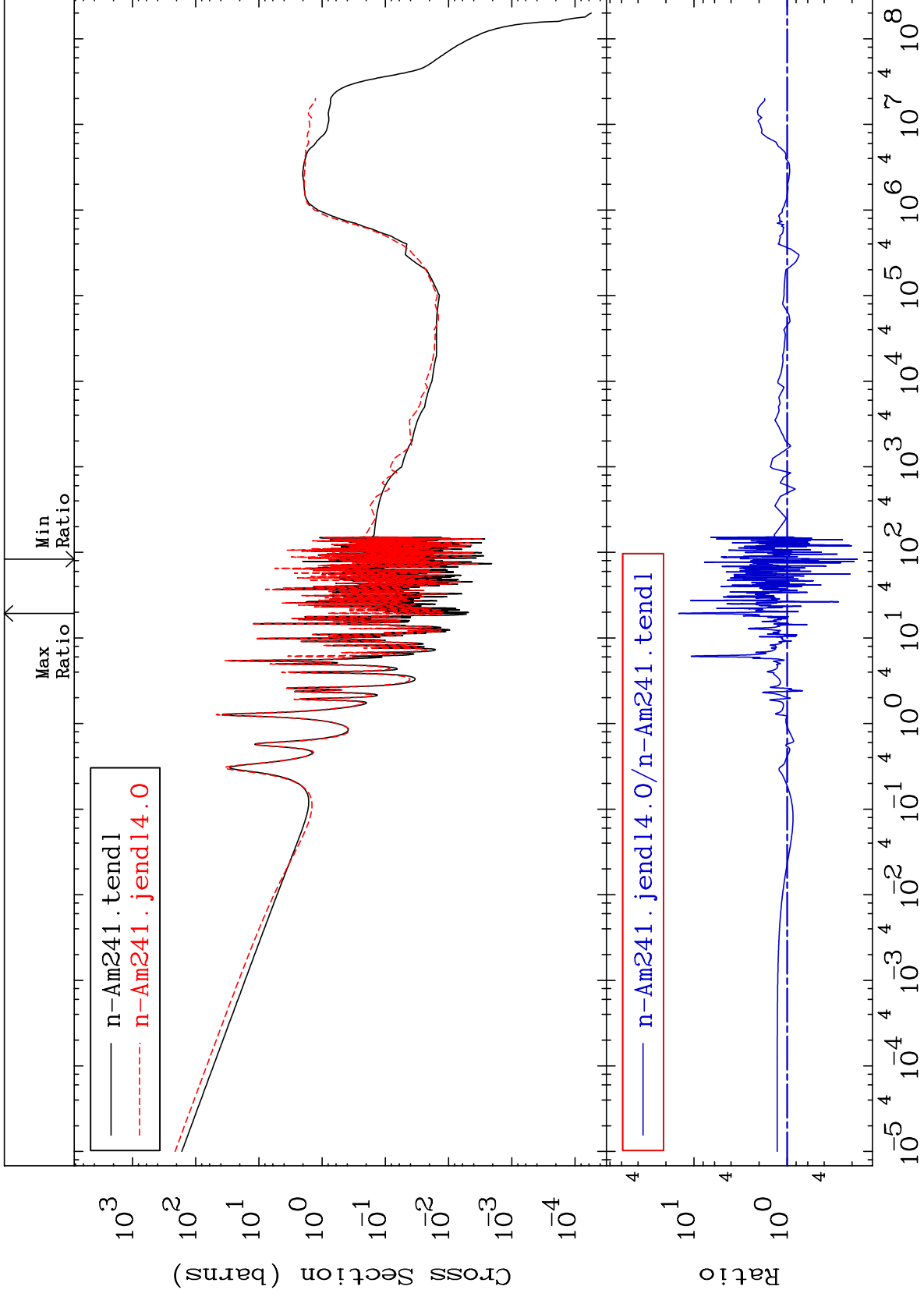
Fission Cross Section
95-Am-241
-82.37 To 1363. %



MAT 9543

(n,f) First Chance
Cross Section

95-Am-241
-82.37 To 1363. %



7

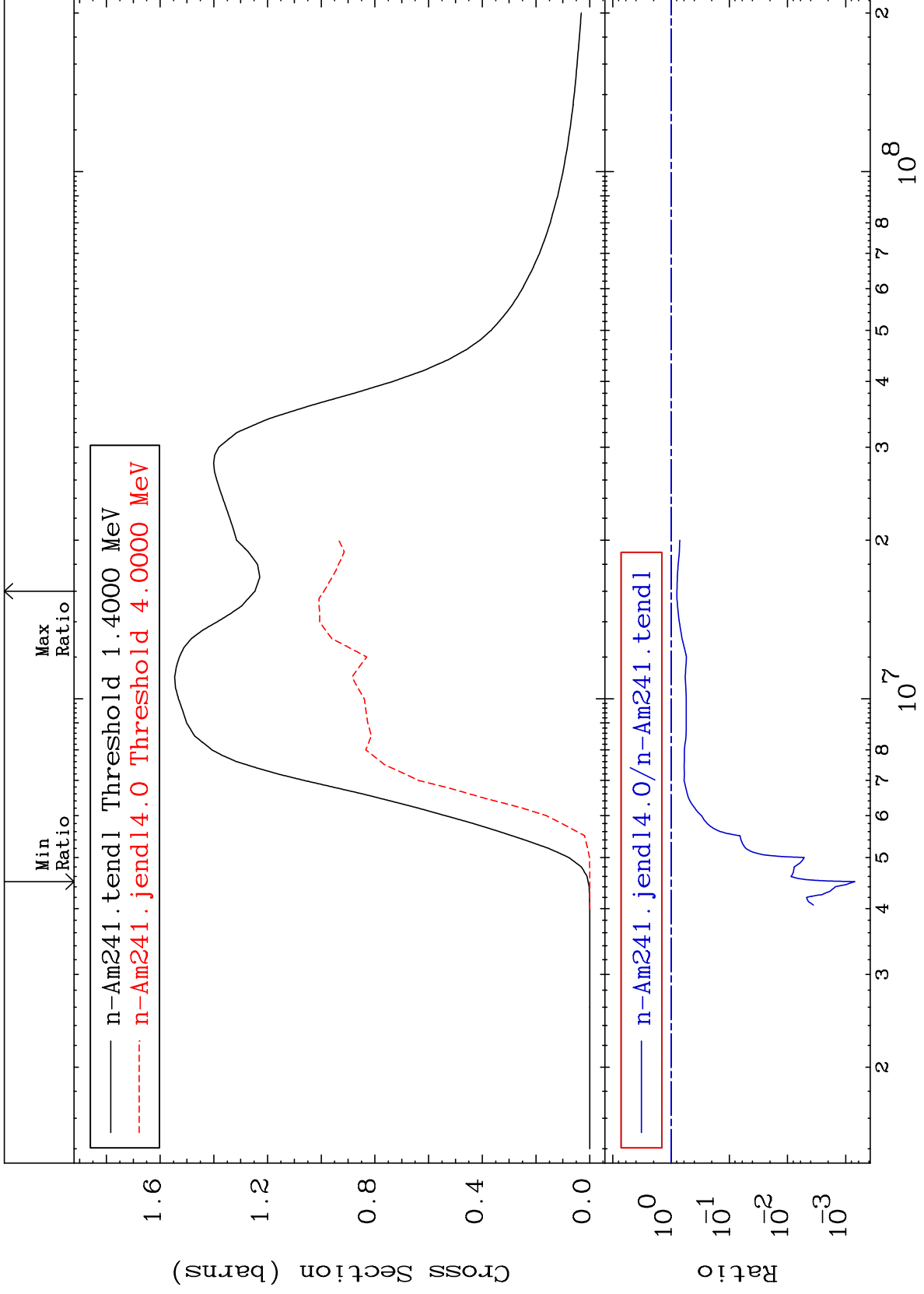
Incident Energy (eV)

95-Am-241

MAT 9543

(n, nf) Second Chance
Cross Section

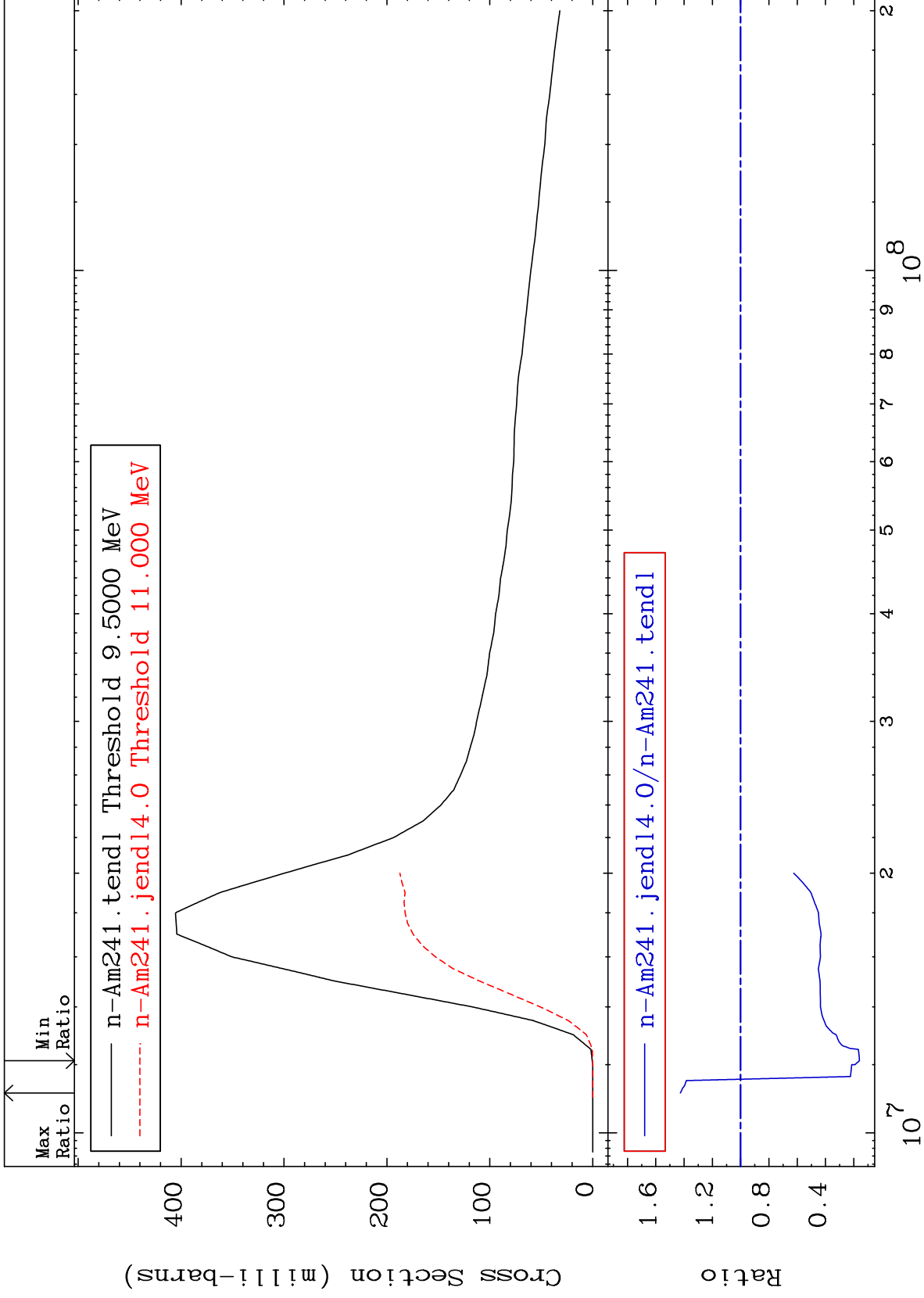
95-Am-241
-99.93 To -20.63%



MAT 9543

(n,2nf) Third Chance
Cross Section

95-Am-241
-83.97 To 42.63 %



9

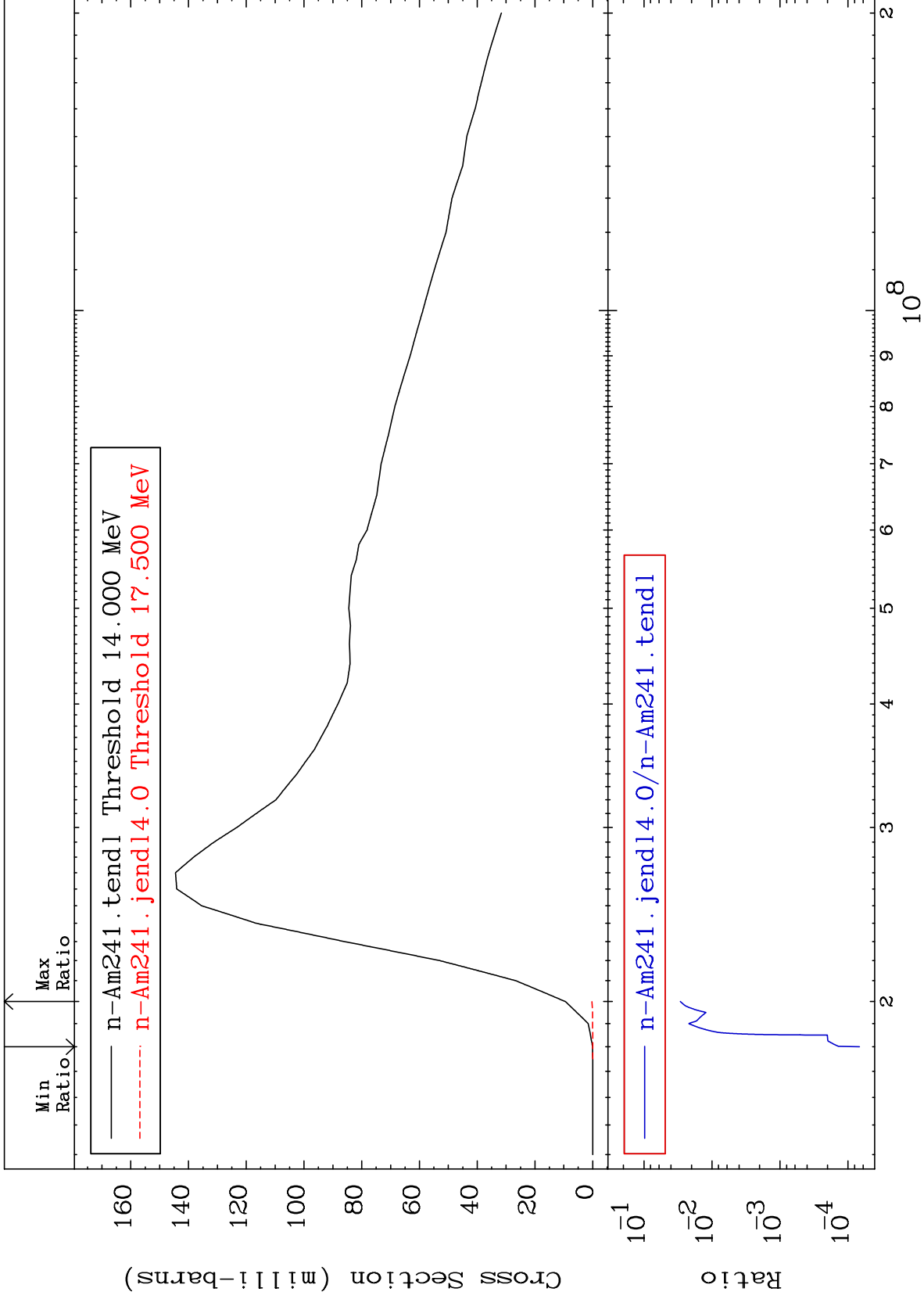
Incident Energy (eV)

95-Am-241

MAT 9543

(n,3nf) Fourth Chance
Cross Section

95-Am-241
-99.99 To -97.08%



10

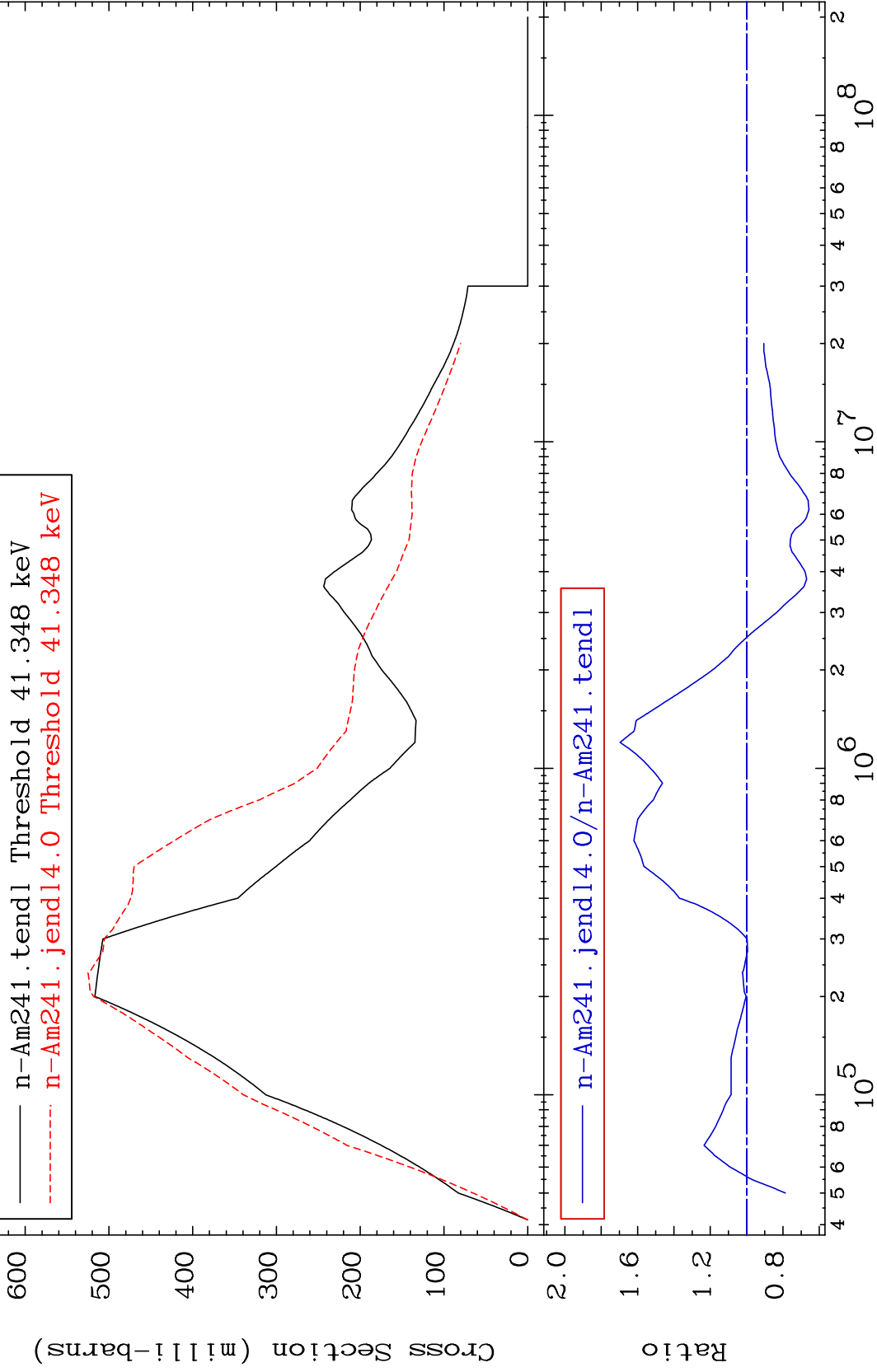
Incident Energy (eV)

95-Am-241

MAT 9543

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

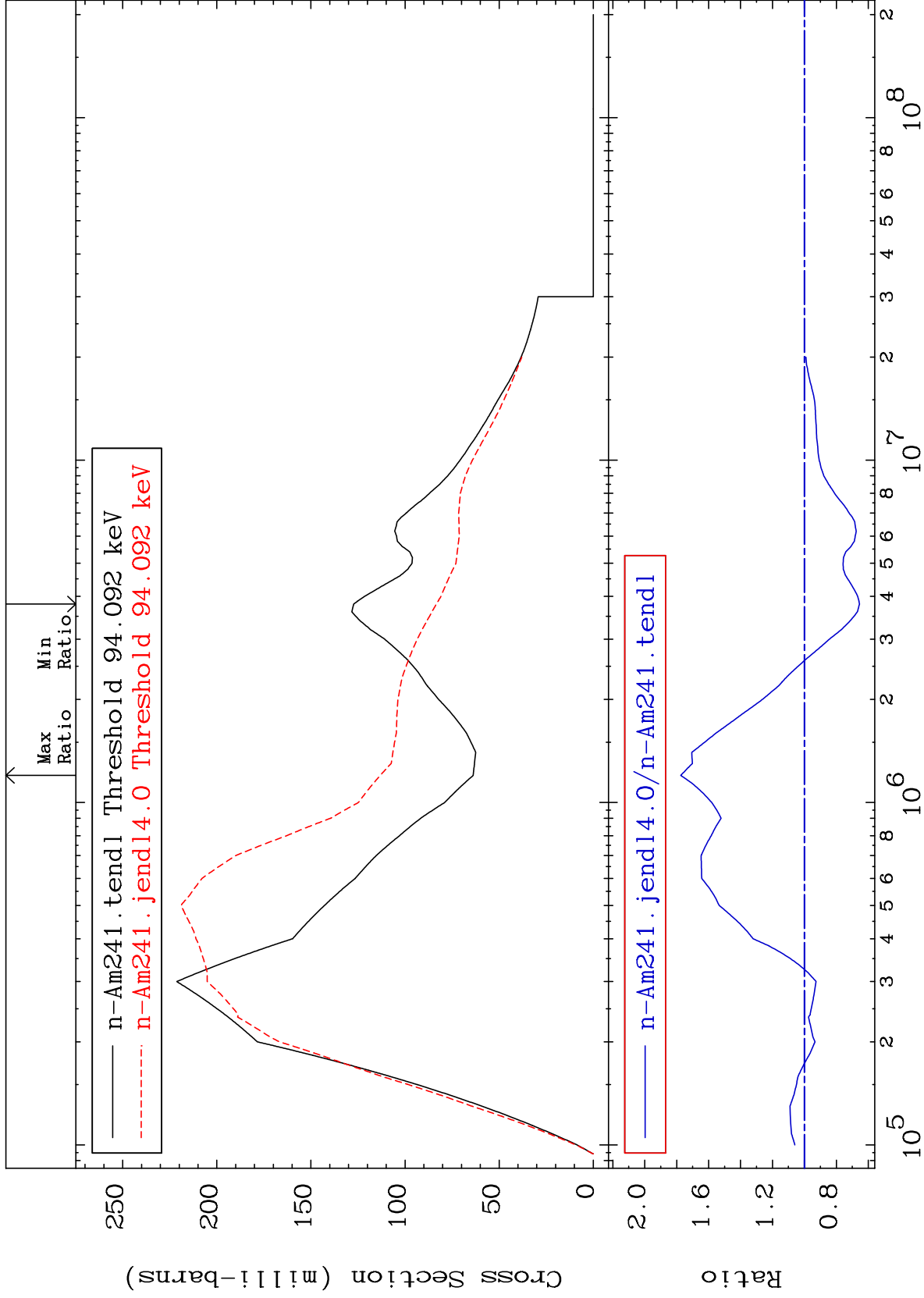
95-Am-241
-34.29 To 69.62 %



MAT 9543

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

95-Am-241
-34.54 To 77.44 %



12

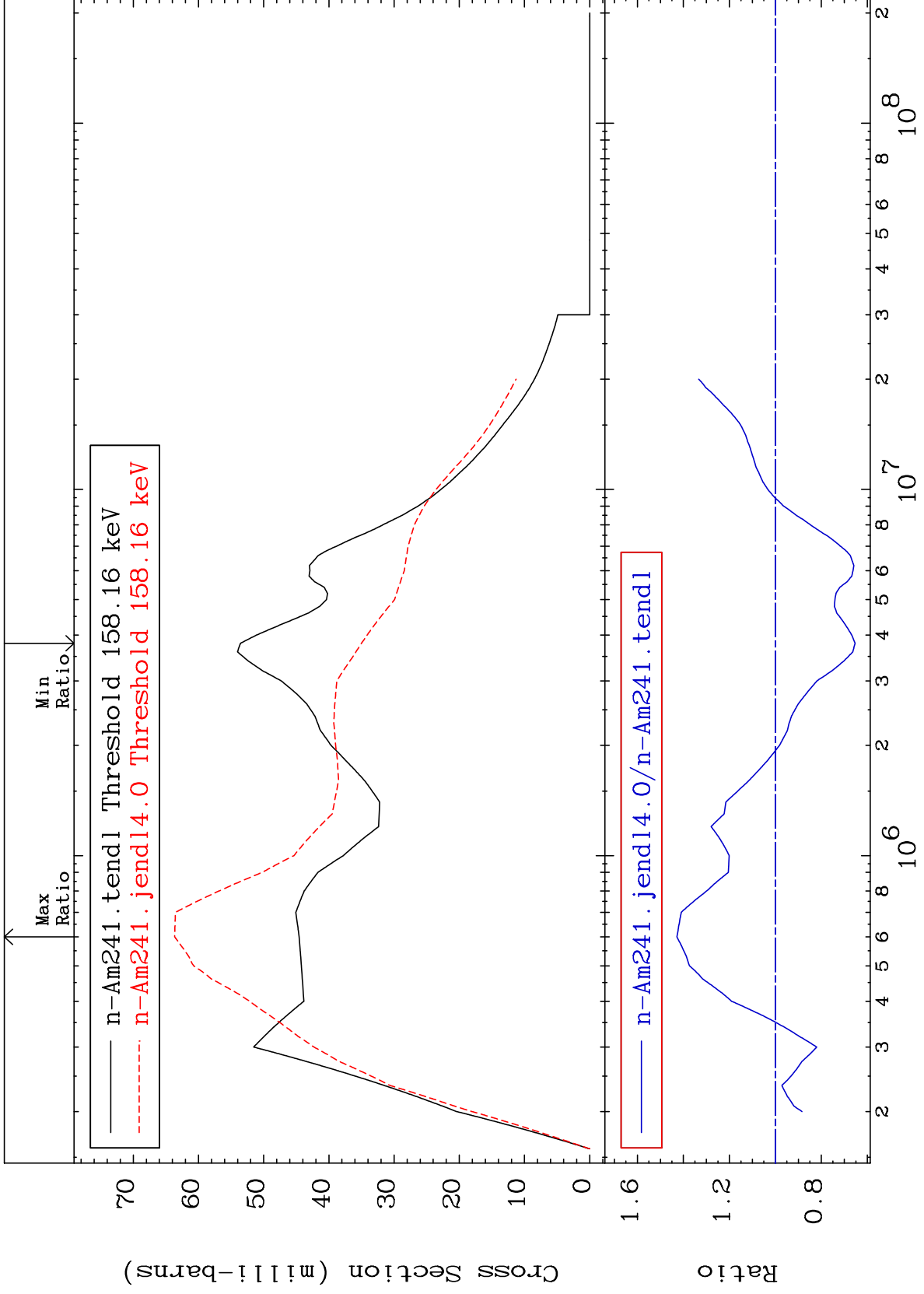
Incident Energy (eV)

95-Am-241

MAT 9543

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

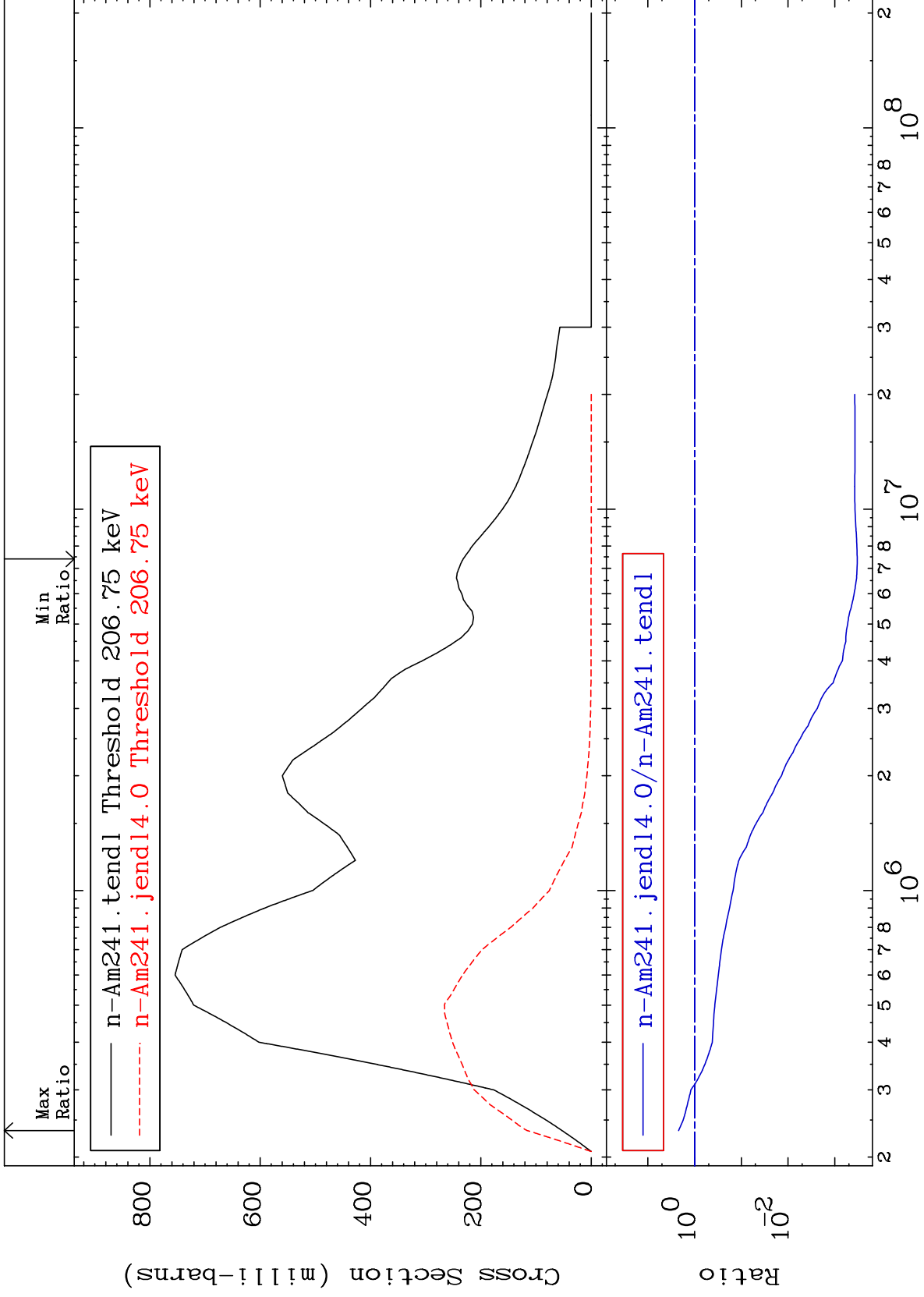
95-Am-241
-34.67 To 42.82 %



MAT 9543

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

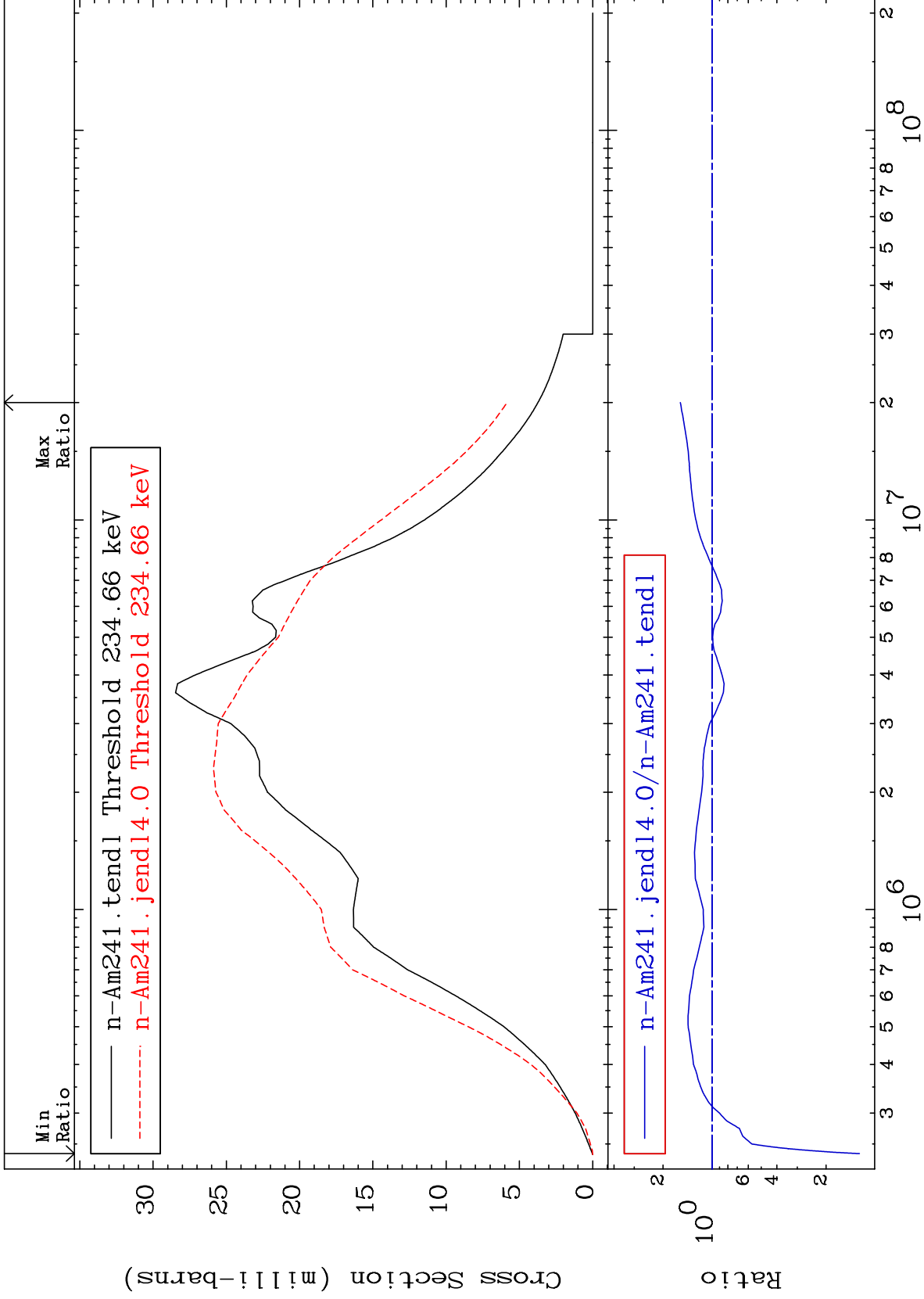
95-Am-241
-99.97 To 119.4 %



MAT 9543

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

95-Am-241
-87.53 To 56.53 %



15

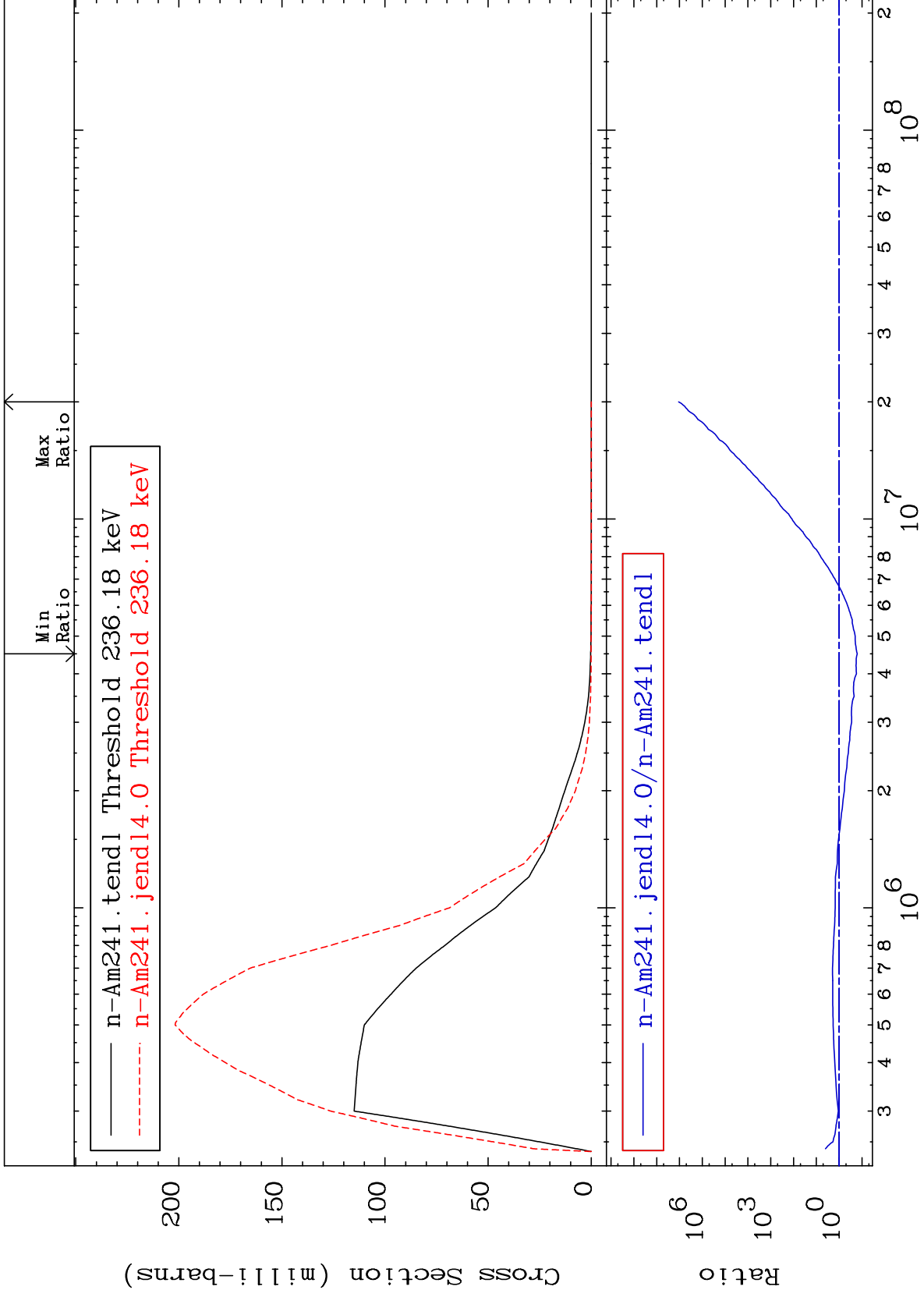
Incident Energy (eV)

95-Am-241

MAT 9543

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

95-Am-241
-83.85 To 9999. %



16

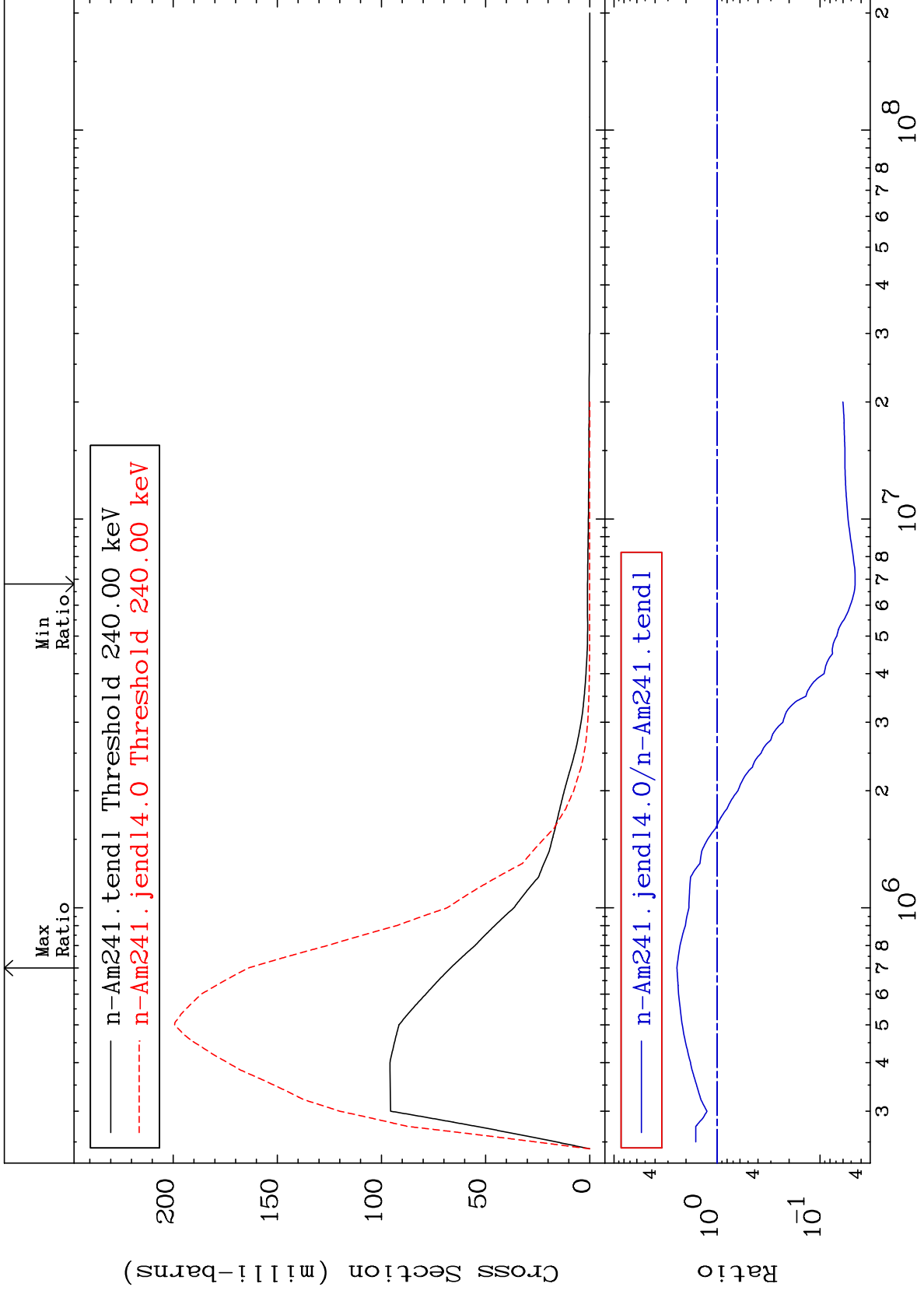
Incident Energy (eV)

95-Am-241

MAT 9543

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

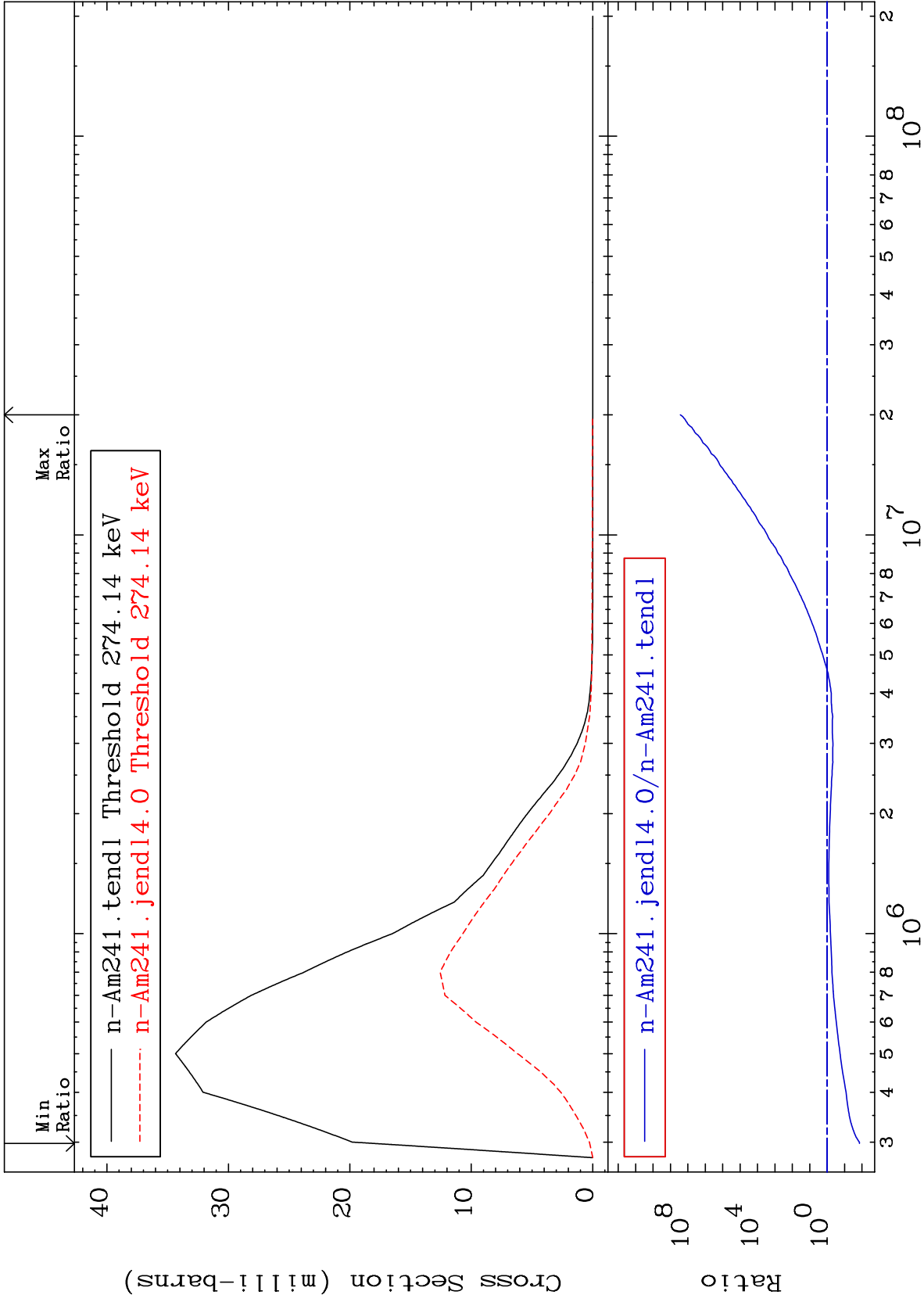
95-Am-241
-95.43 To 145.4 %



MAT 9543

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

95-Am-241
-98.60 To 9999. %



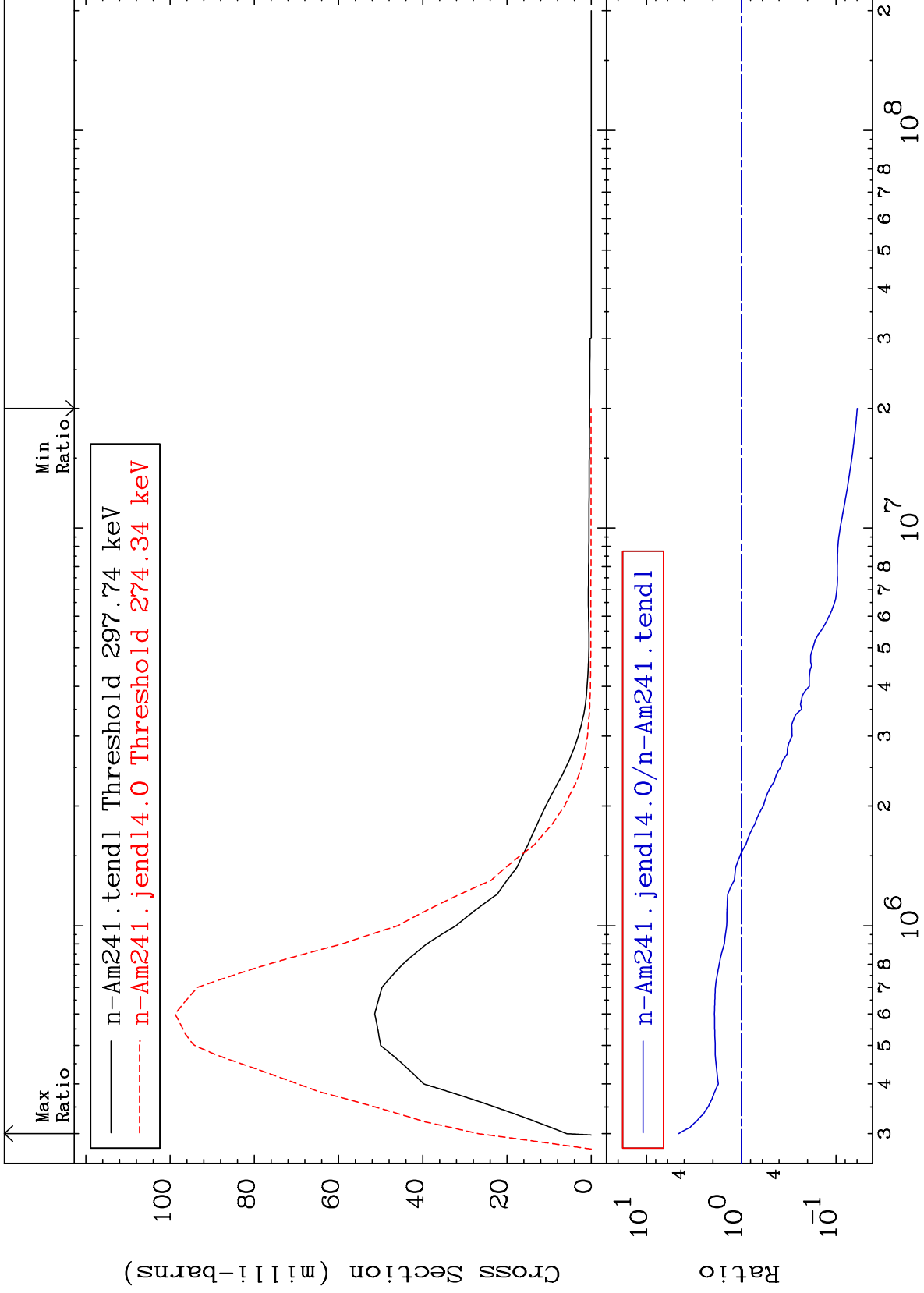
18

95-Am-241

MAT 9543

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

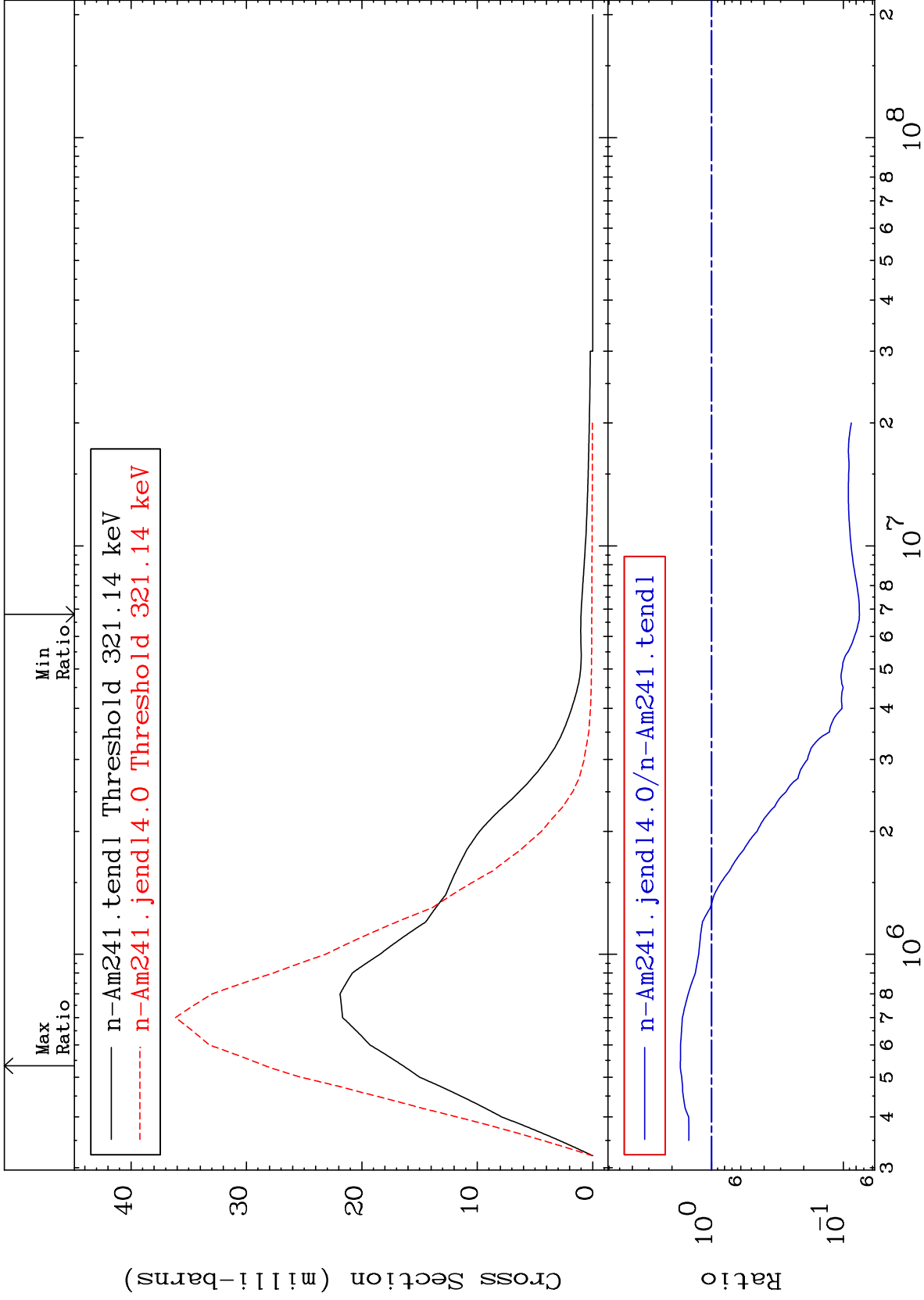
95-Am-241
-94.02 To 358.9 %



MAT 9543

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

95-Am-241
-92.44 To 72.75 %



20

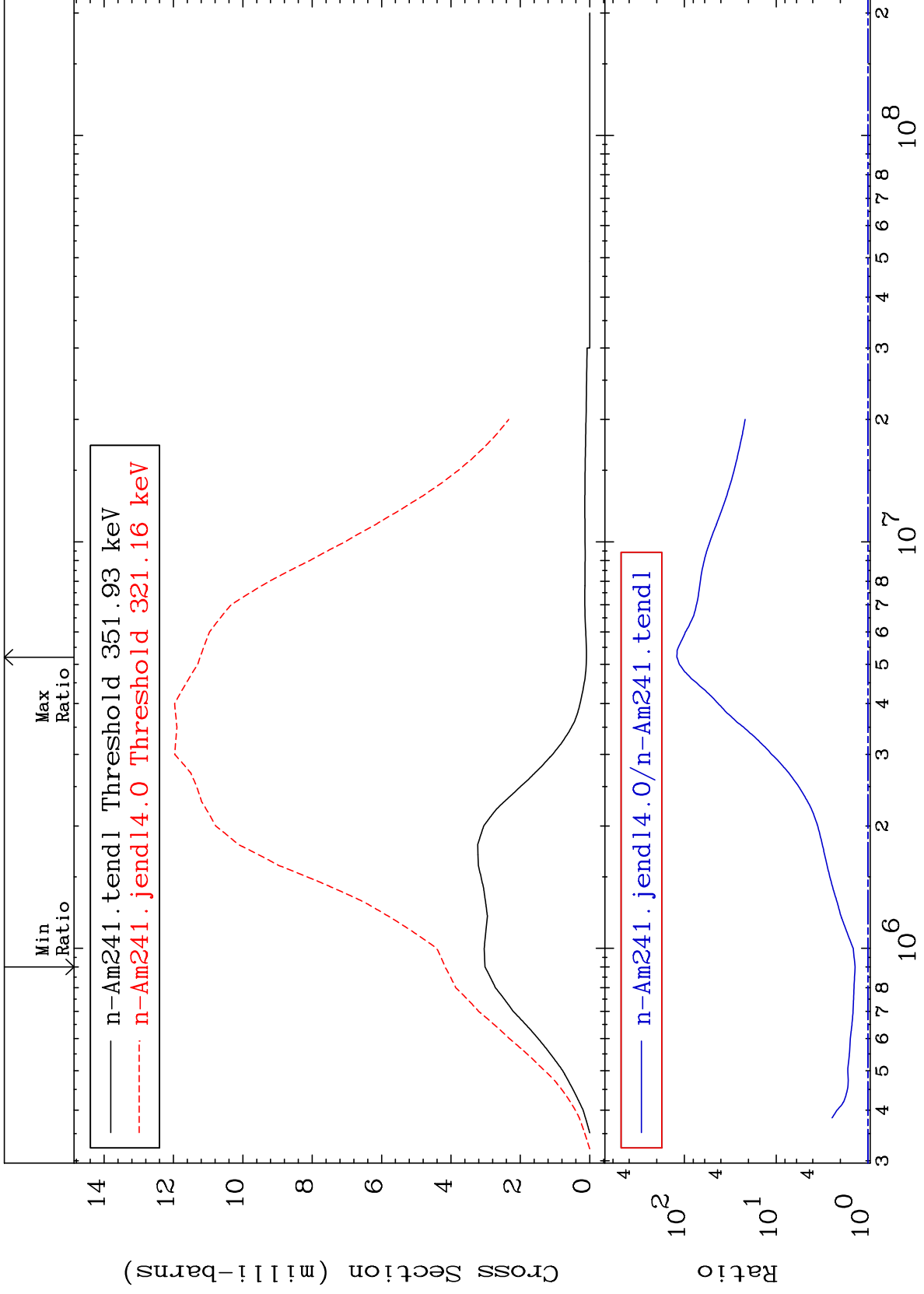
Incident Energy (eV)

95-Am-241

MAT 9543

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

95-Am-241
38.08 To 9999. %



21

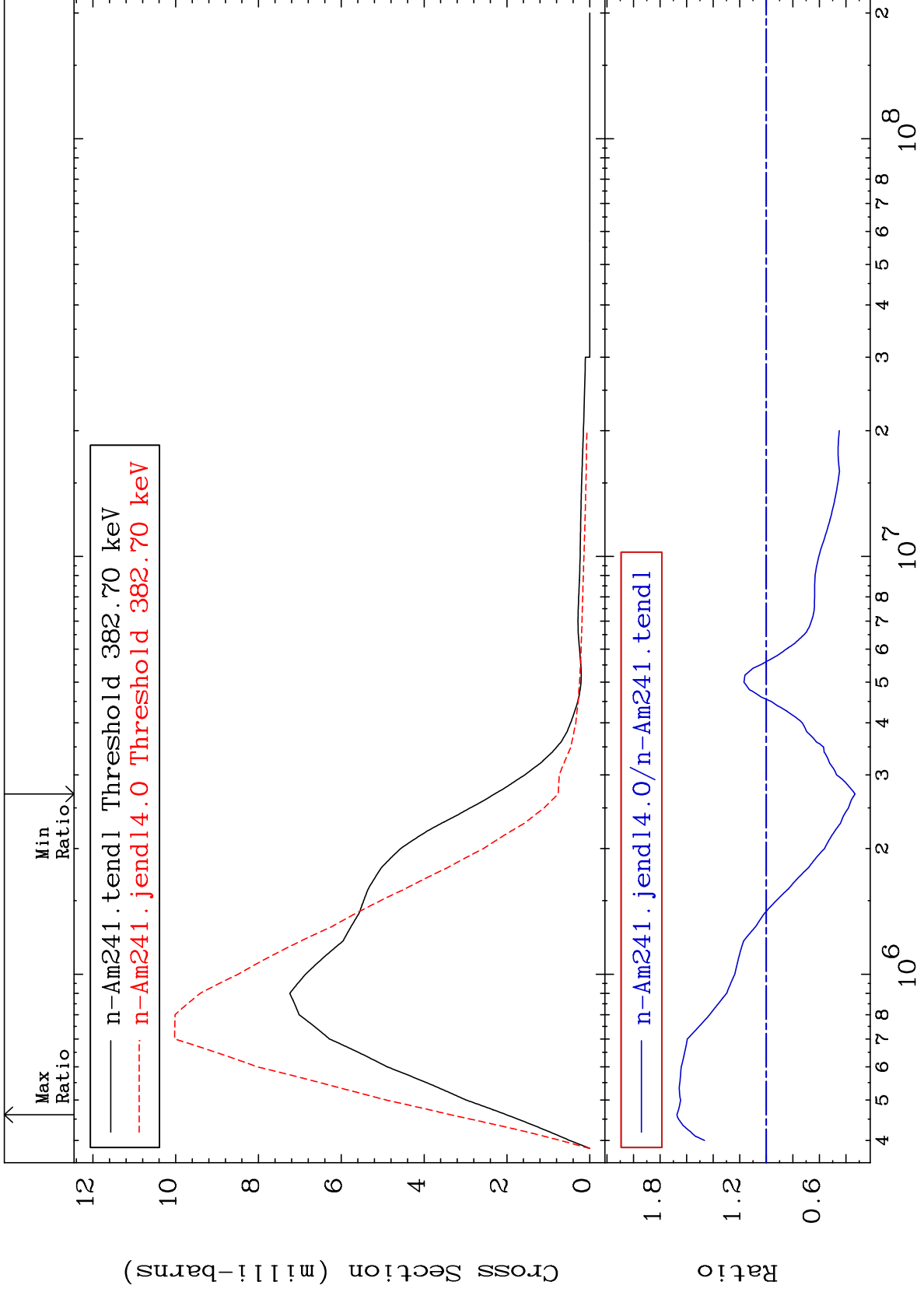
Incident Energy (eV)

95-Am-241

MAT 9543

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

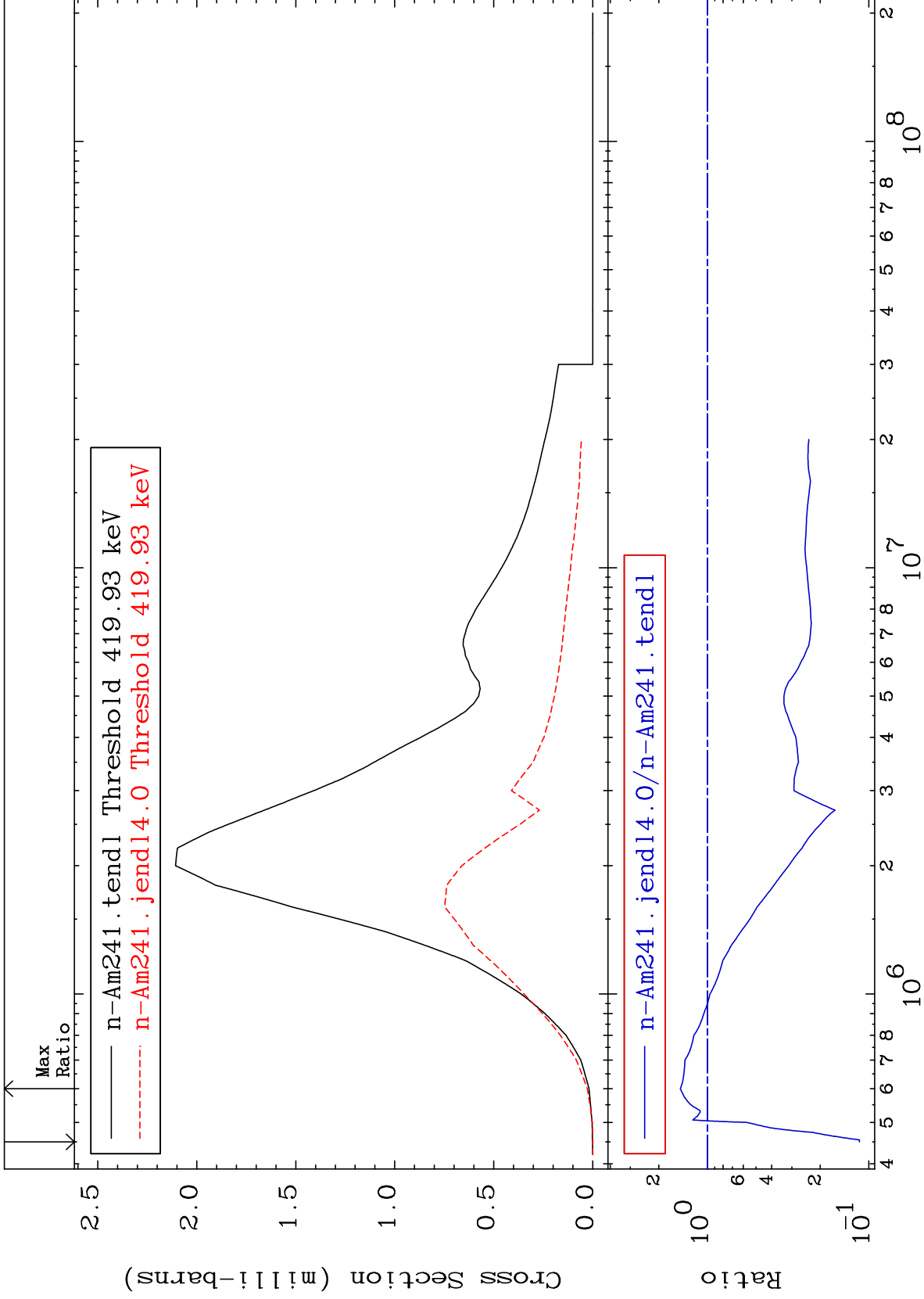
95-Am-241
-66.90 To 67.34 %



MAT 9543

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

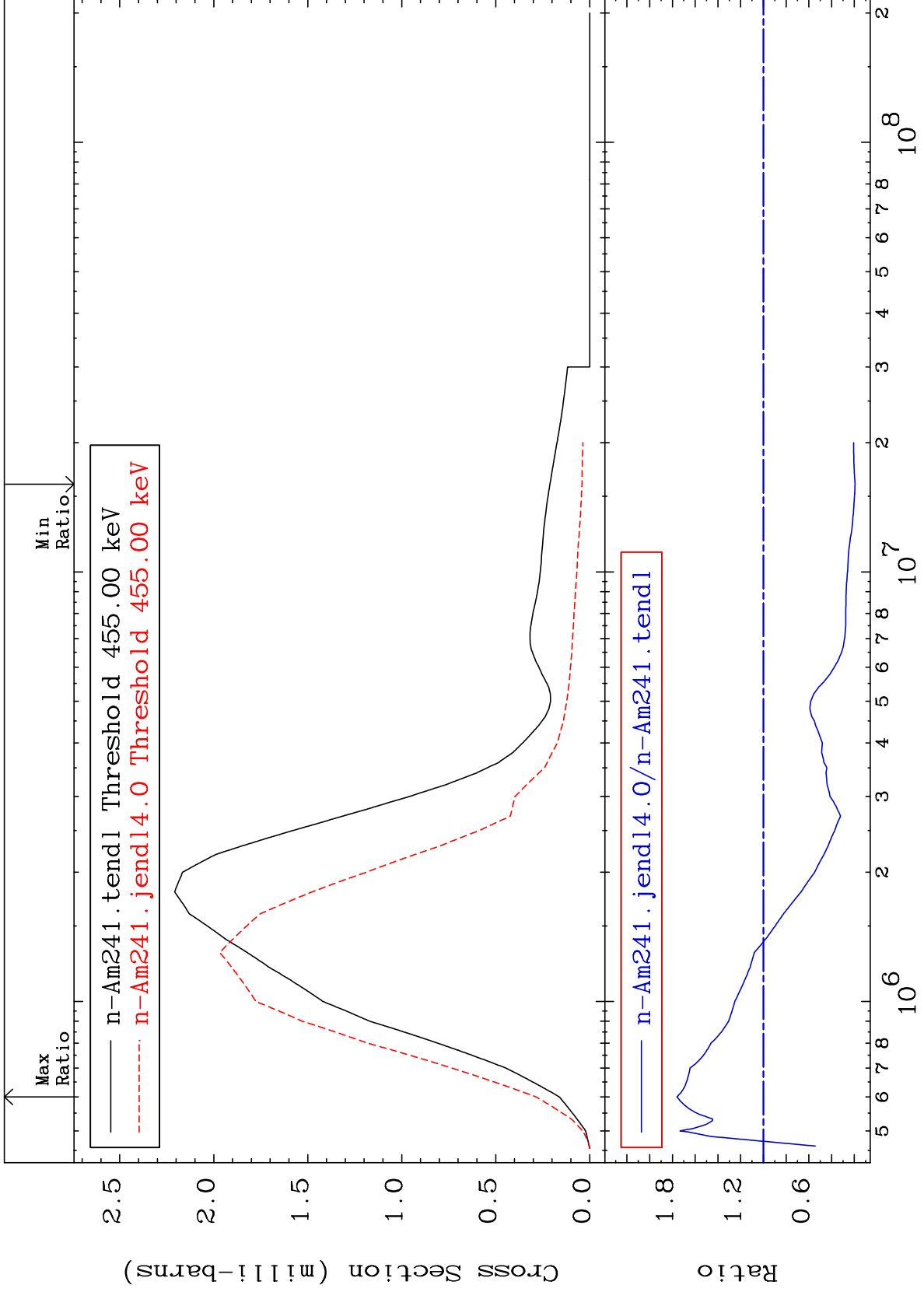
95-Am-241
-88.55 To 47.05 %



MAT 9543

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

95-Am-241
-80.66 To 76.06 %



24

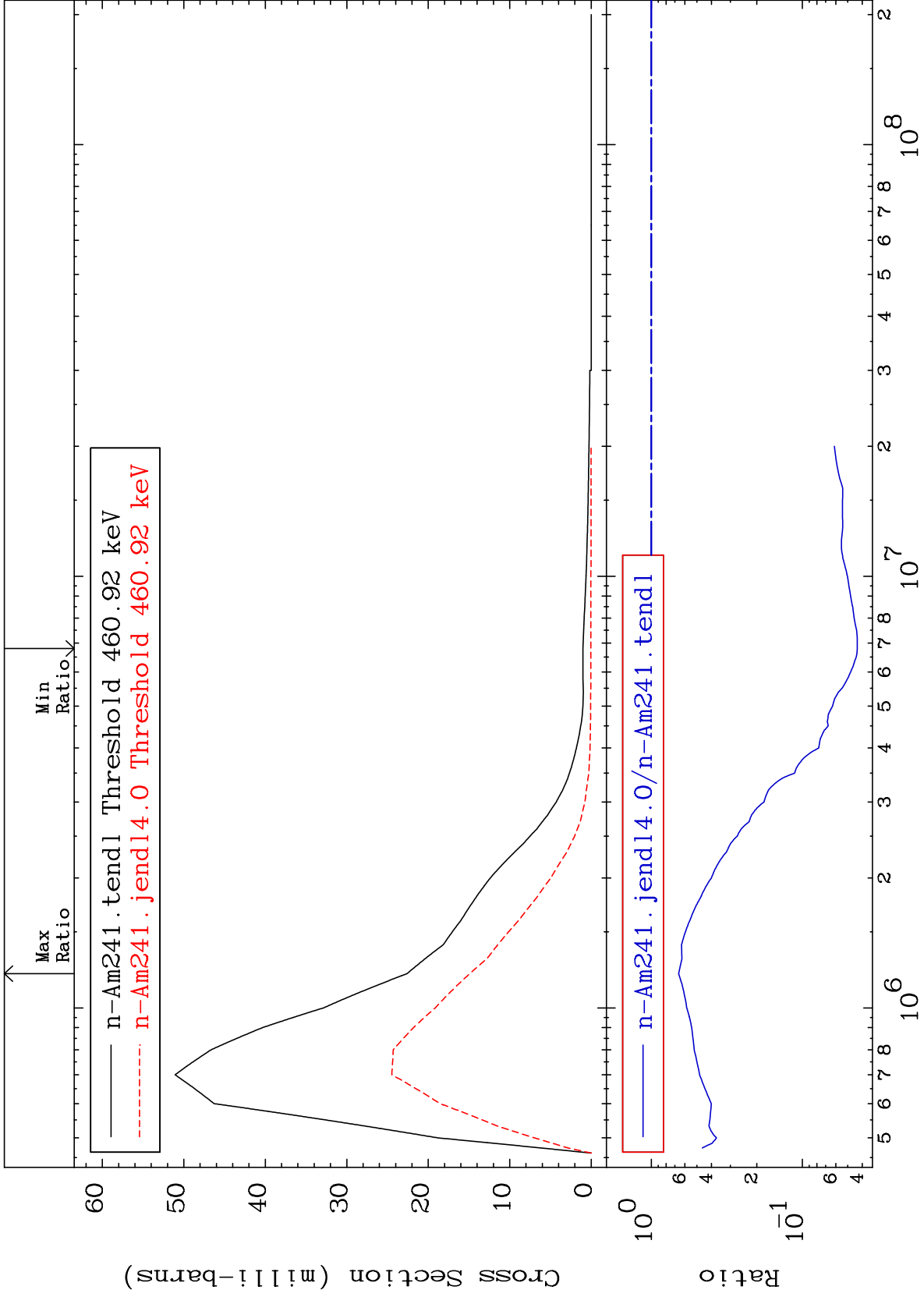
Incident Energy (eV)

95-Am-241

MAT 9543

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

95-Am-241
-95.68 To -34.01%



25

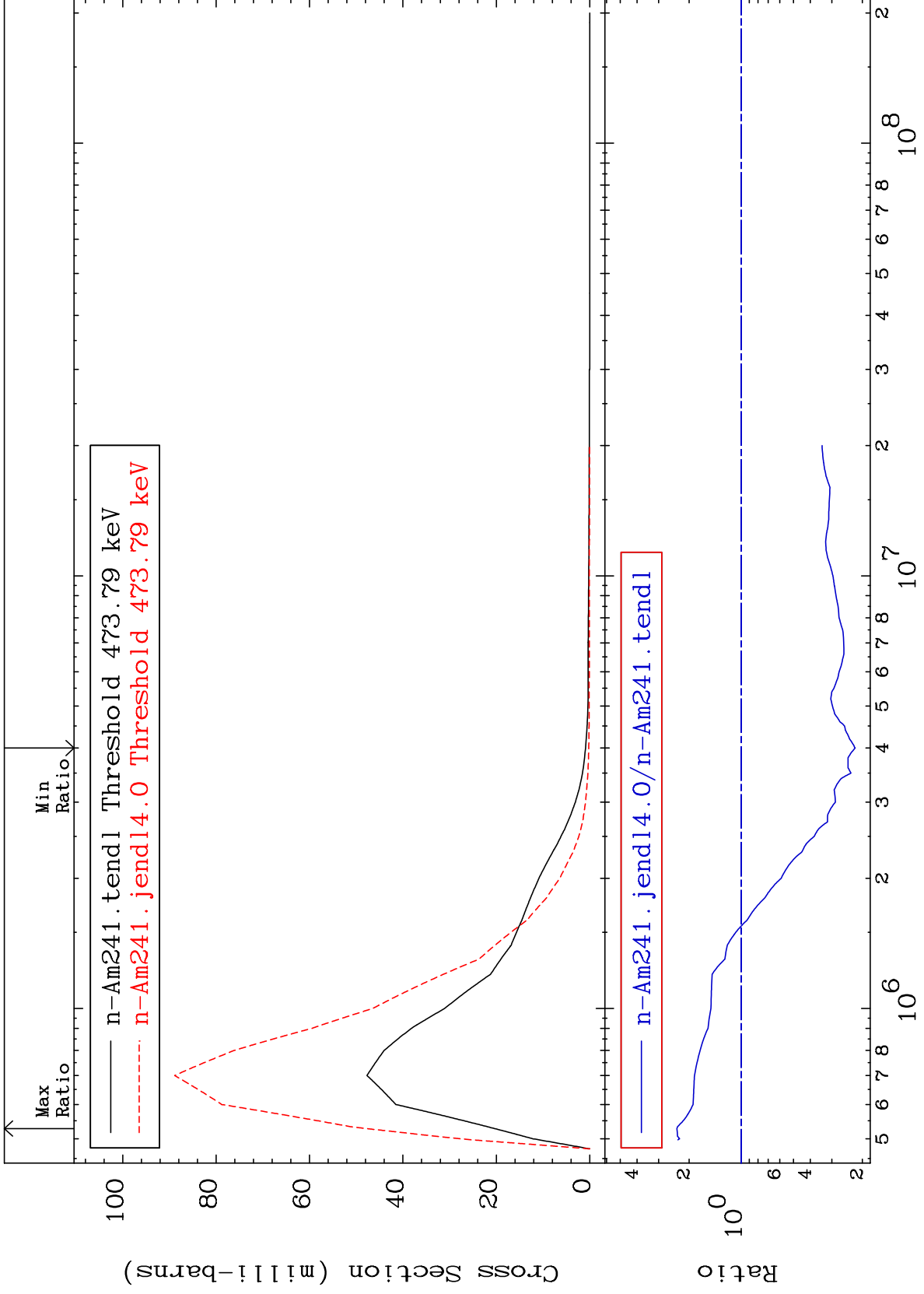
Incident Energy (eV)

95-Am-241

MAT 9543

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

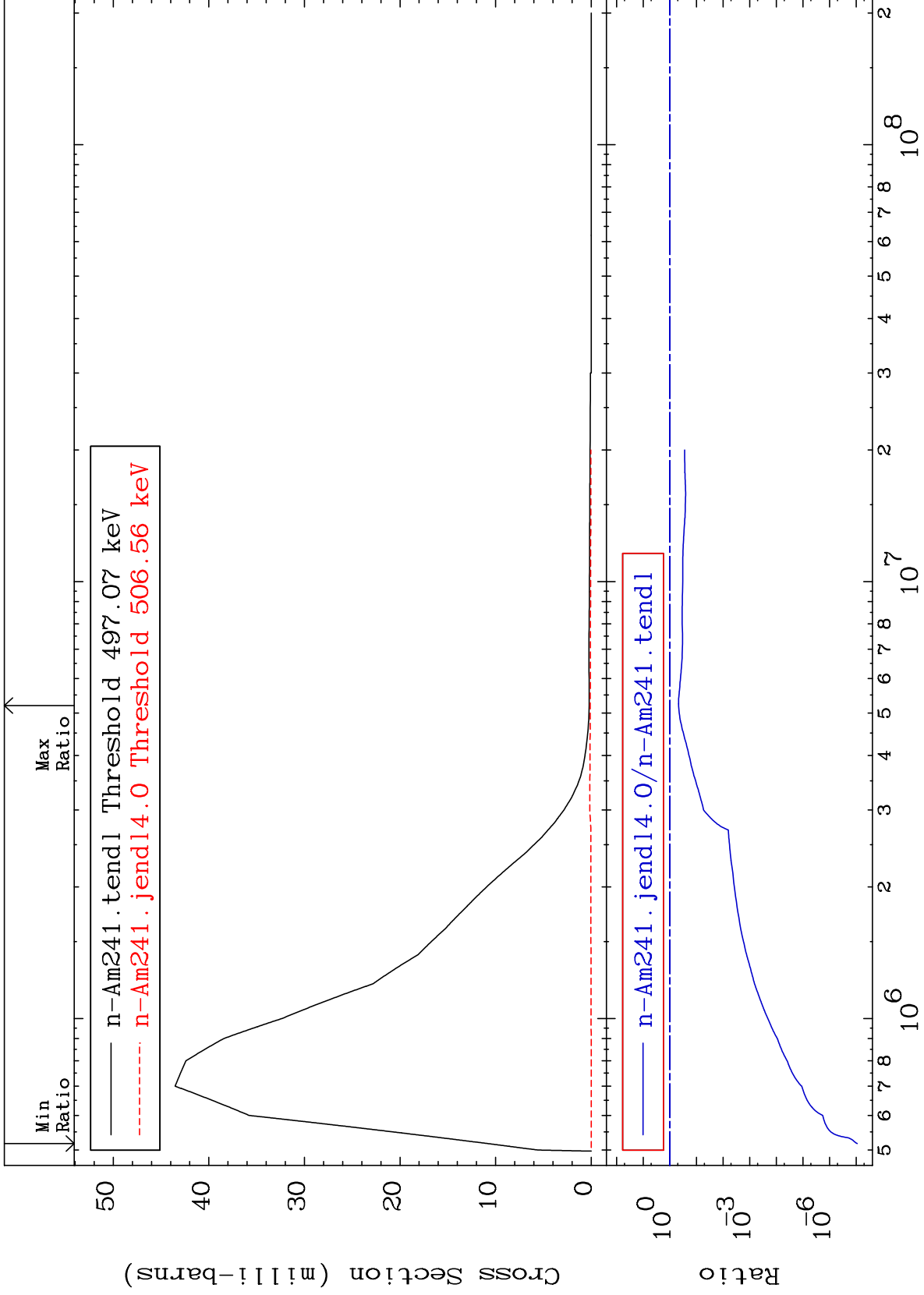
95-Am-241
-77.97 To 135.2 %



MAT 9543

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

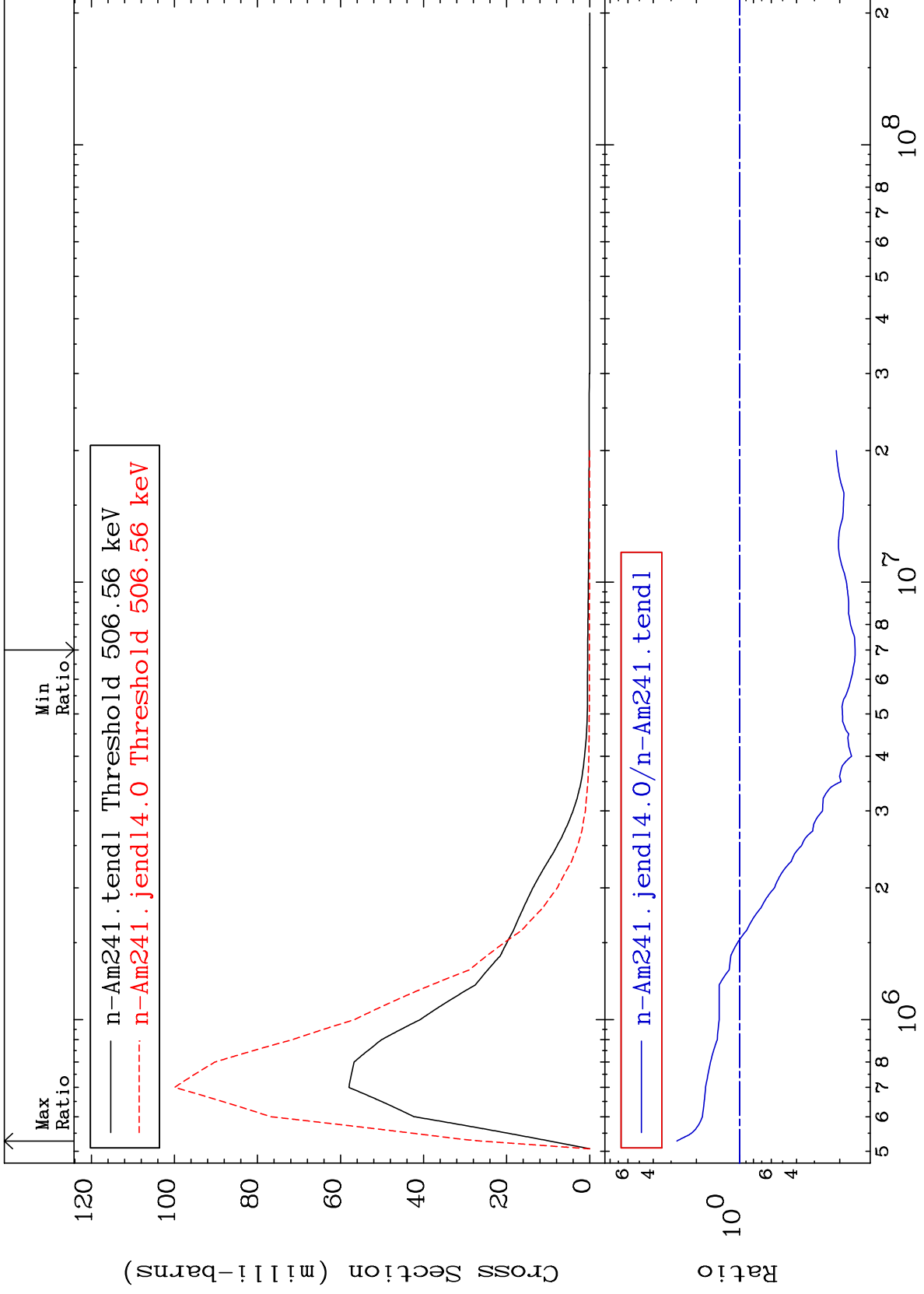
95-Am-241
-100.0 To -53.49%



MAT 9543

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

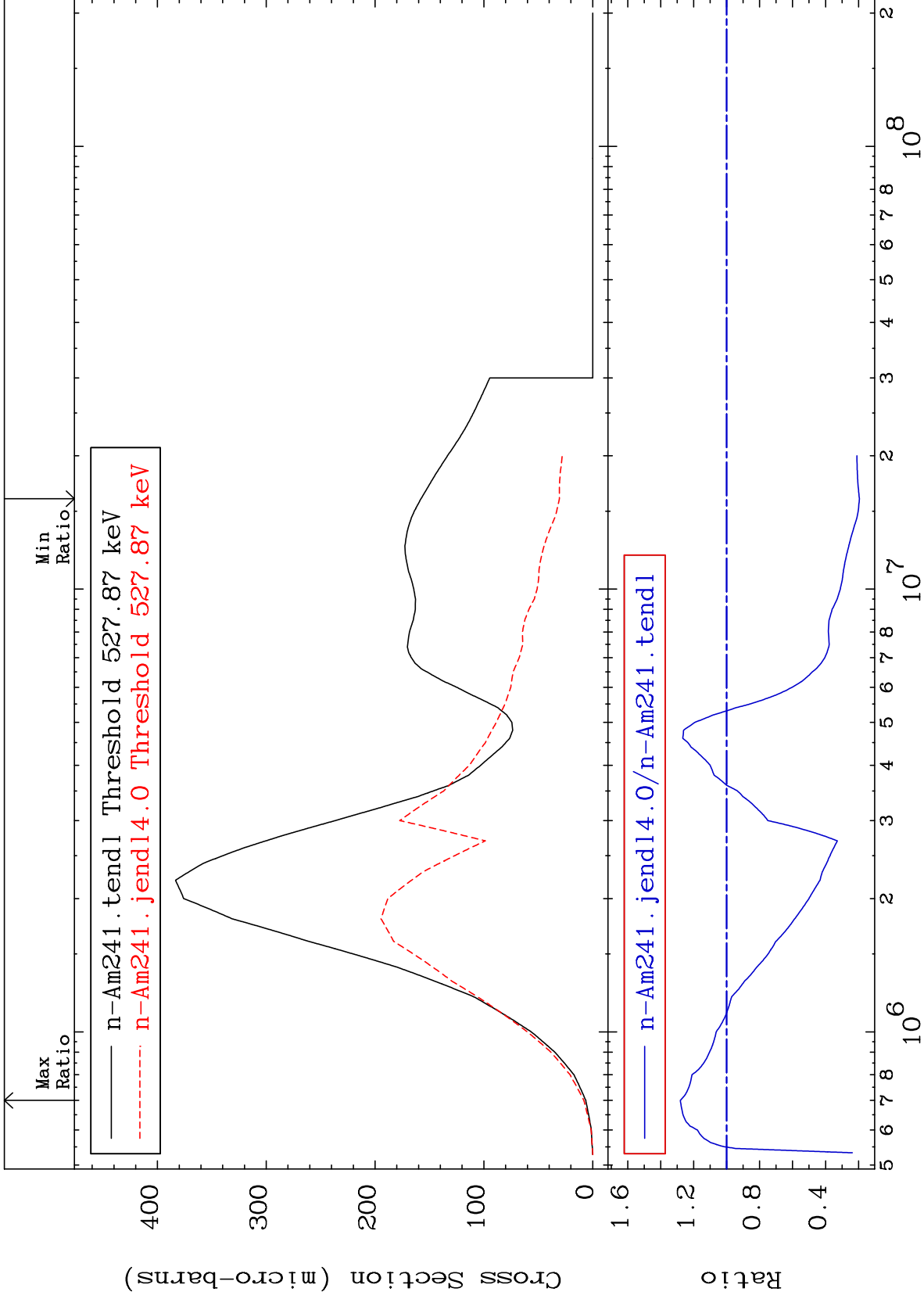
95-Am-241
-84.38 To 173.1 %



MAT 9543

MT= 69 (n,n') Level
Cross Section

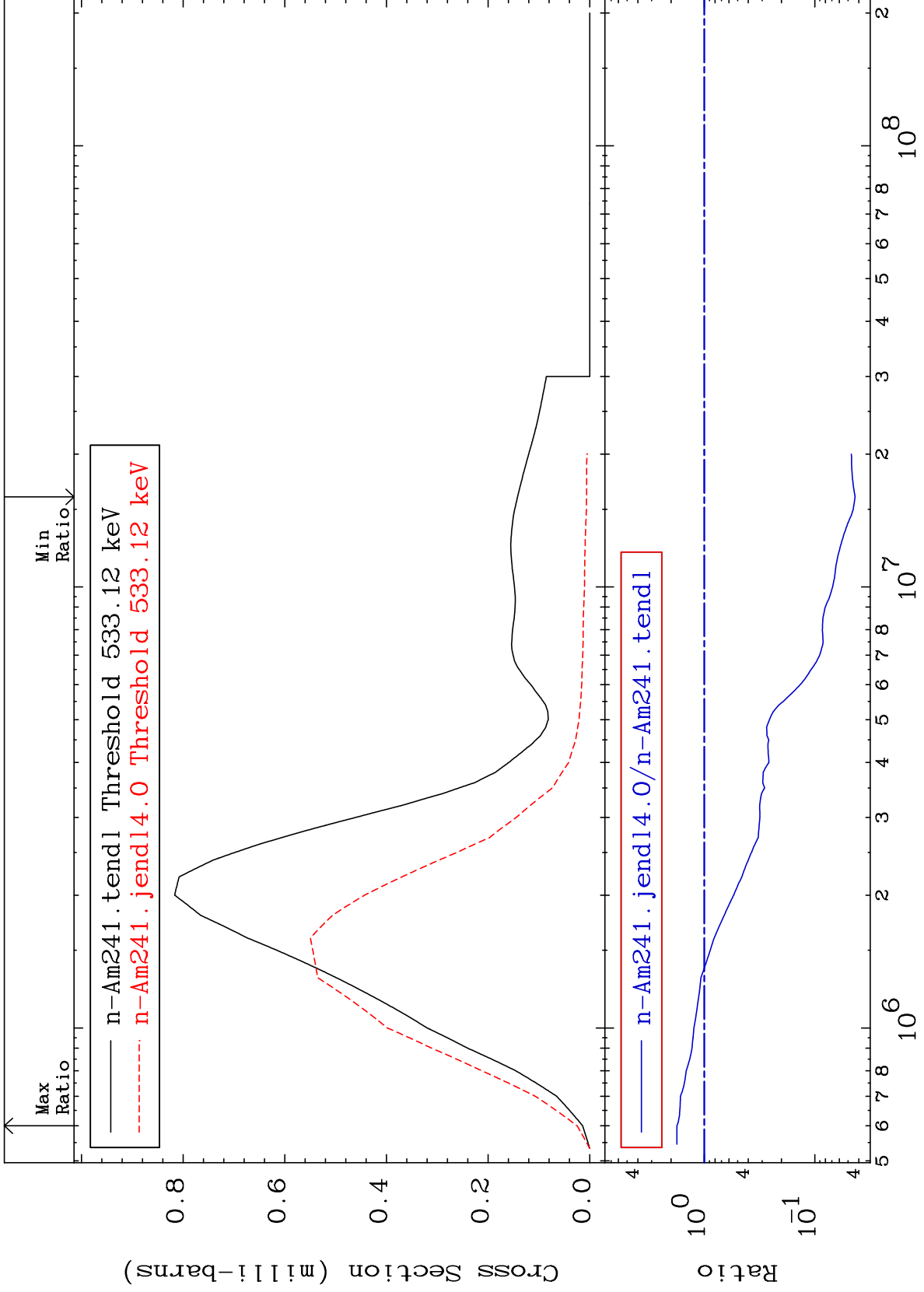
95-Am-241
-80.55 To 28.08 %



MAT 9543

MT= 70 (n,n') Level
Cross Section

95-Am-241
-95.69 To 77.18 %



30

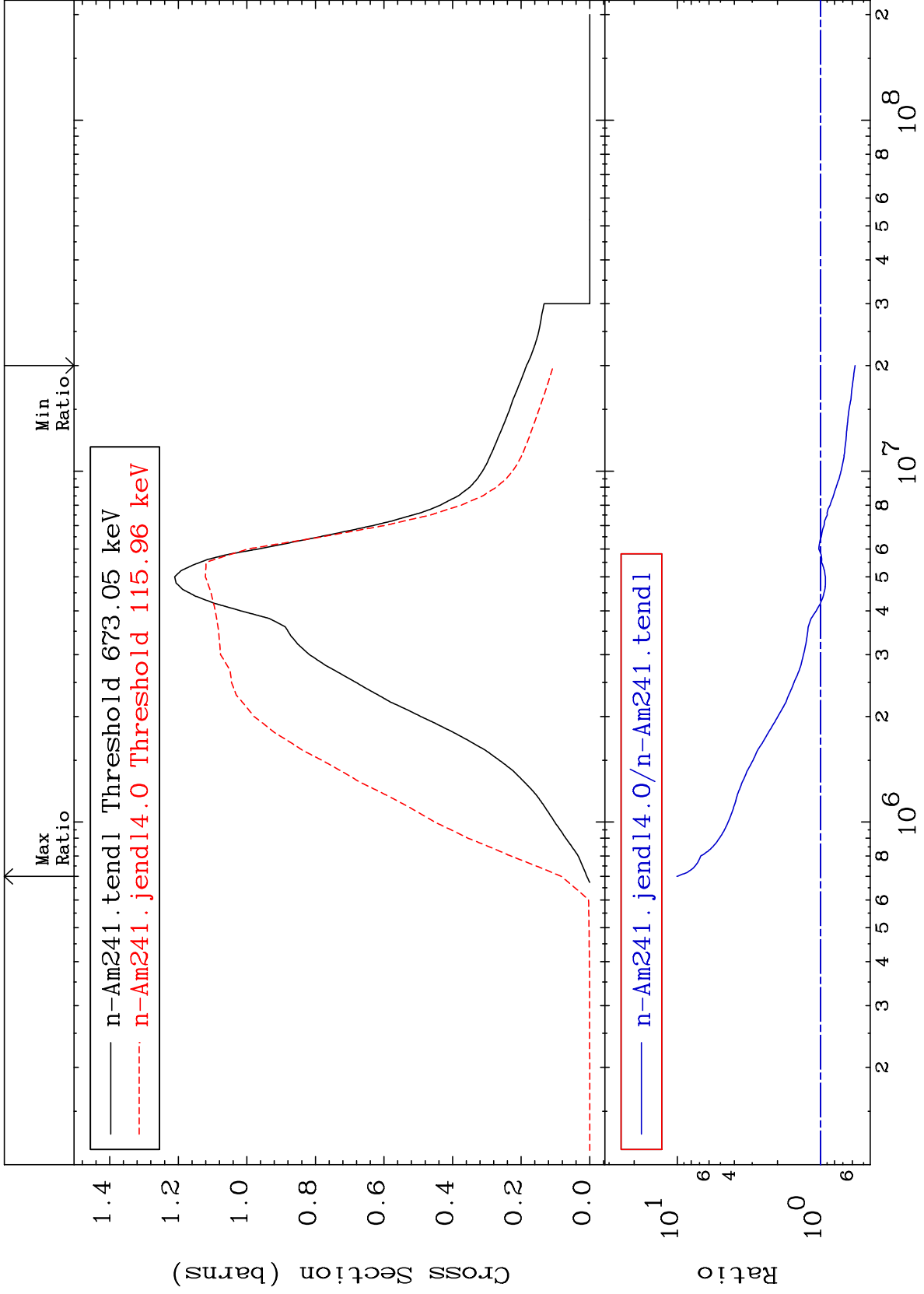
Incident Energy (eV)

95-Am-241

MAT 9543

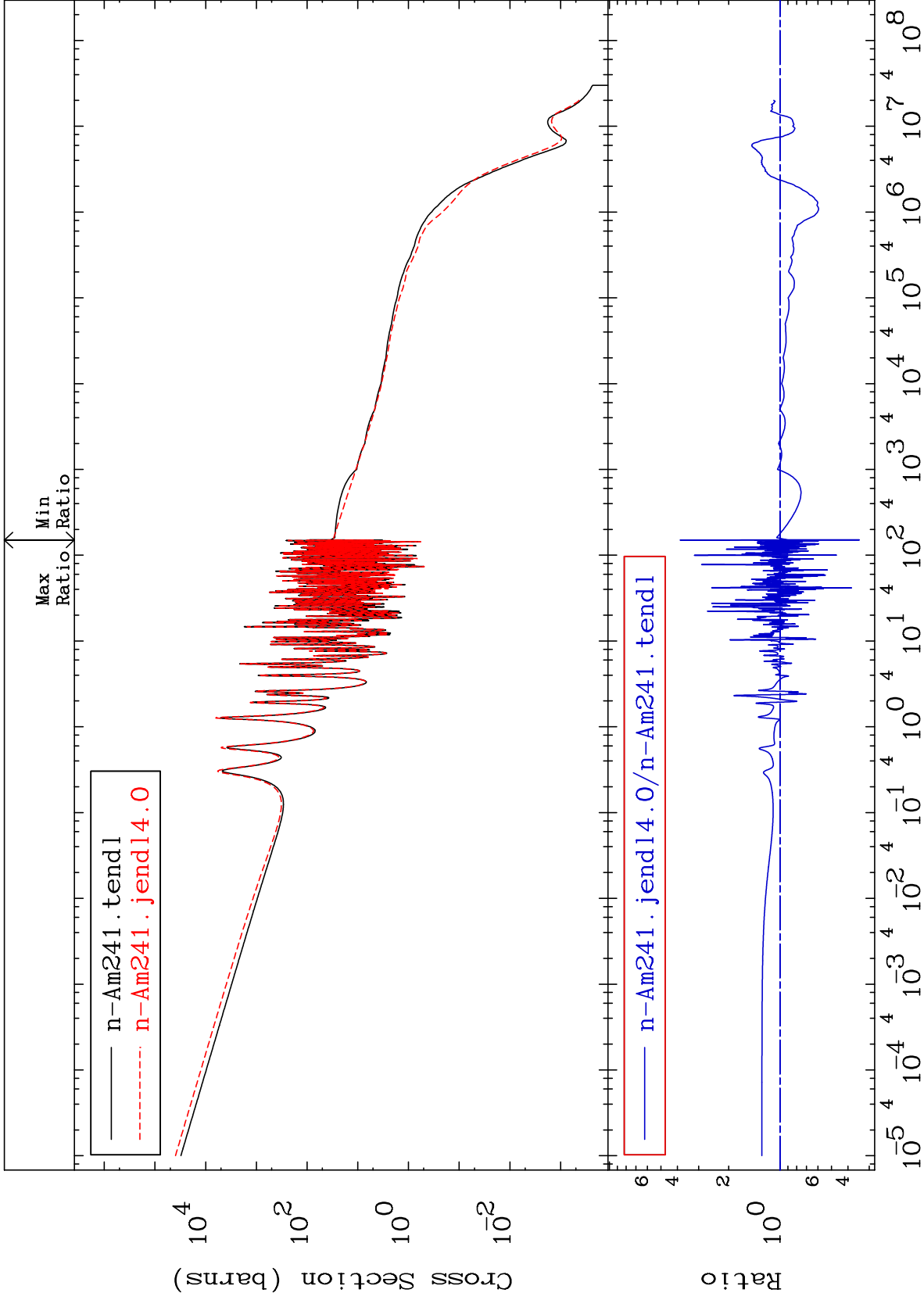
(n, n') Continuum
Cross Section

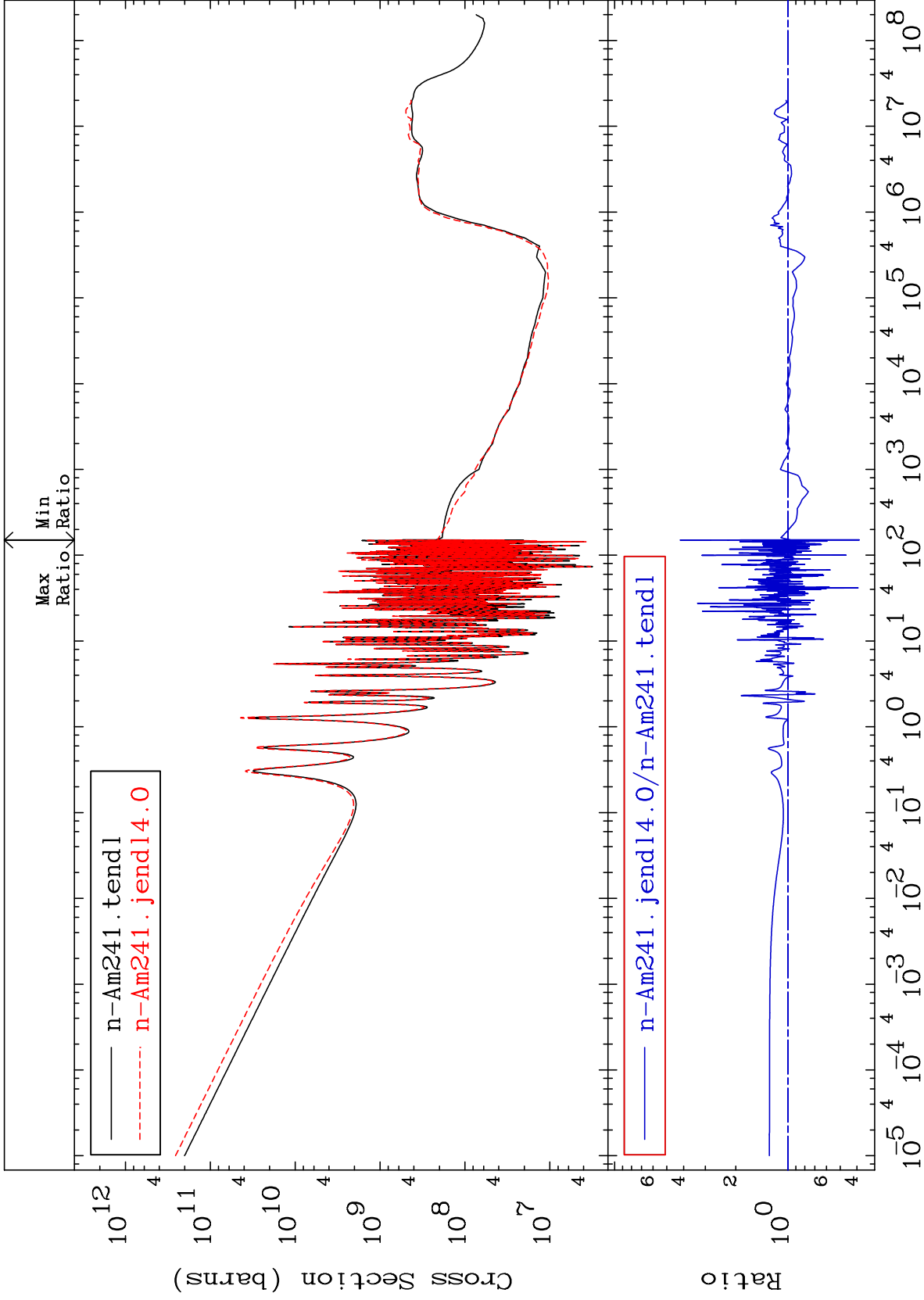
95-Am-241
-42.58 To 907.0 %



MAT 9543

(n, γ) Cross Section
95-Am-241
-65.75 To 284.2 %

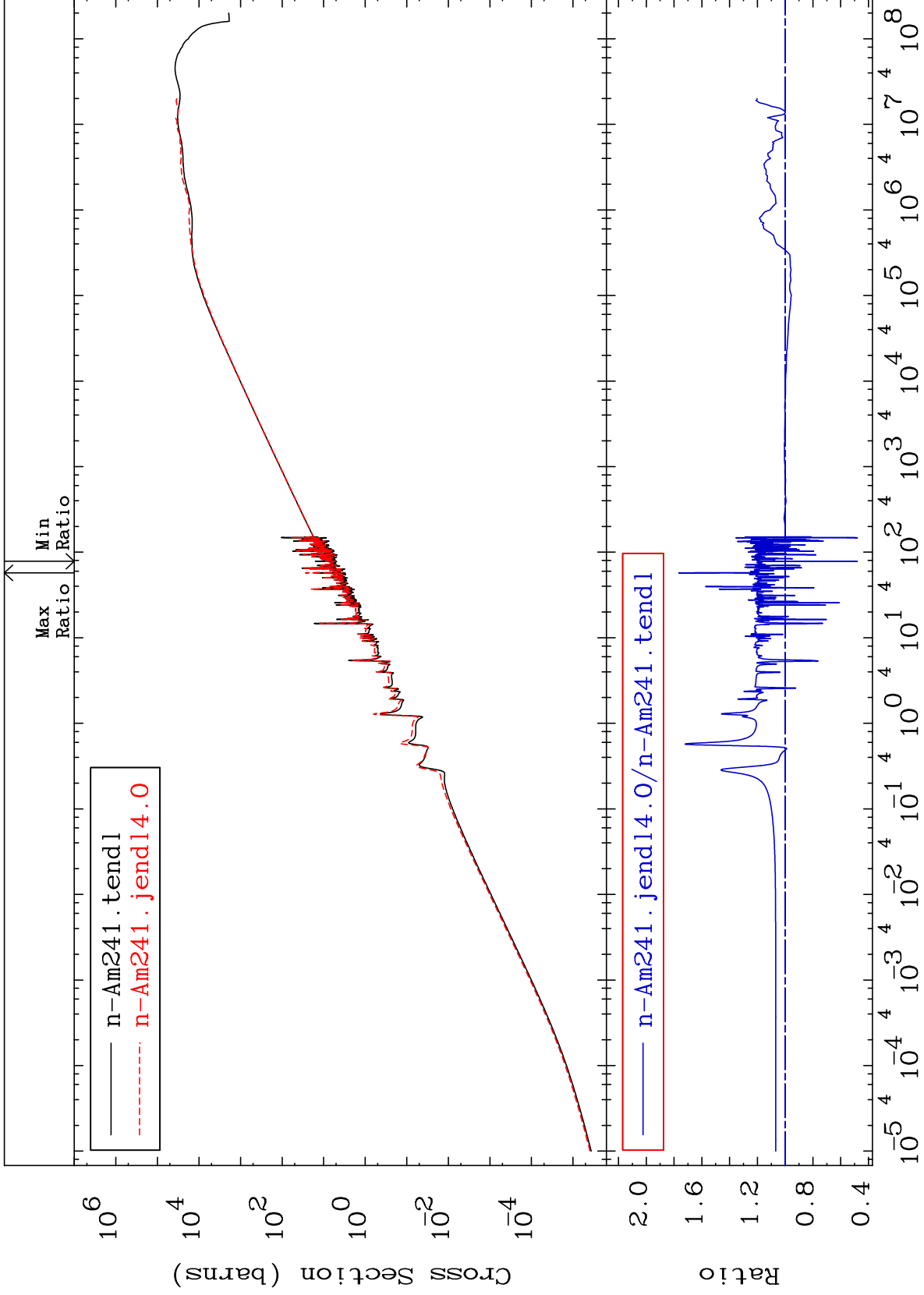




MAT 9543

Kerma elastic
Cross Section

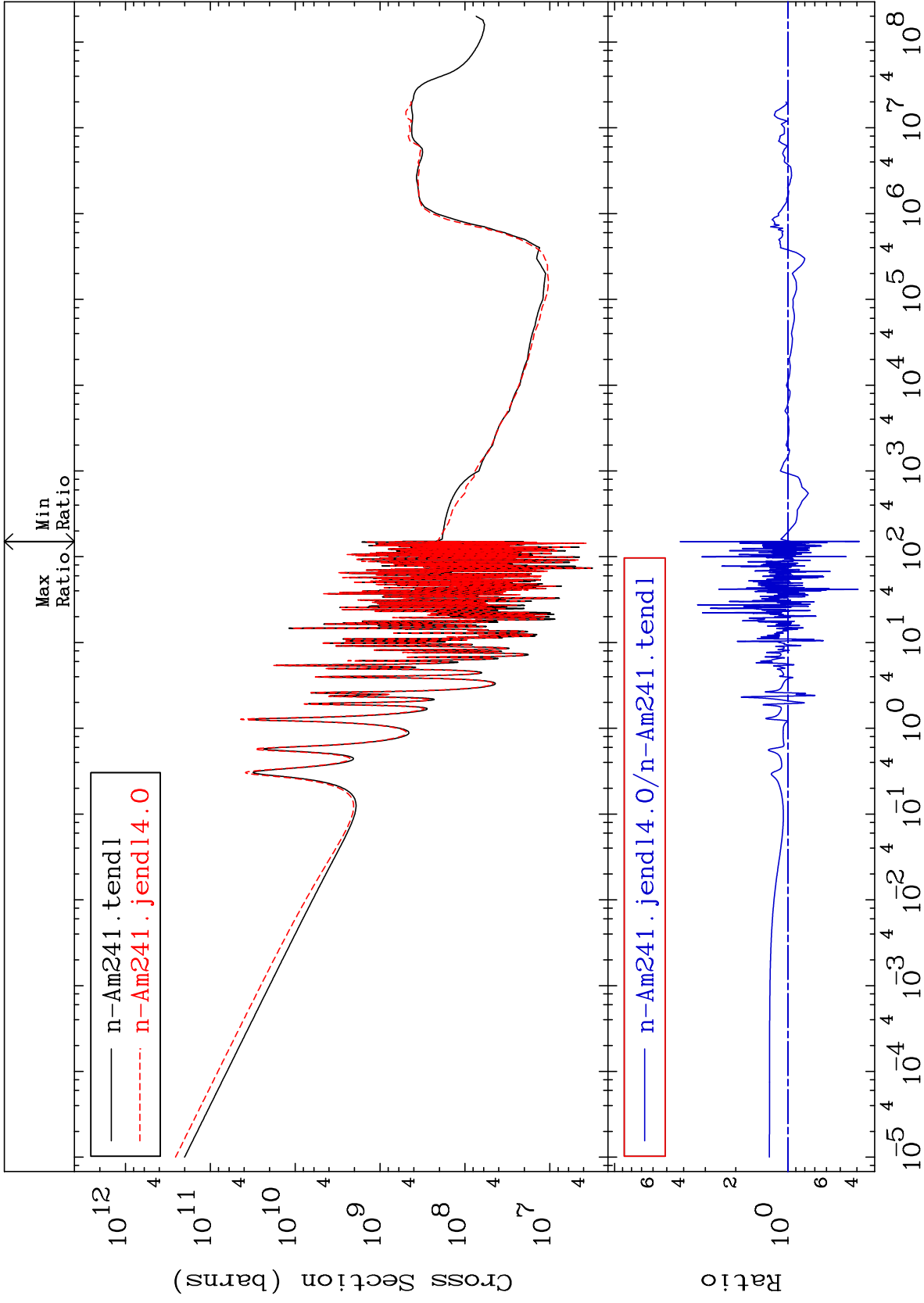
95-Am-241
-51.93 To 76.69 %



MAT 9543

Kerma non-elastic (all but mt2)
Cross Section

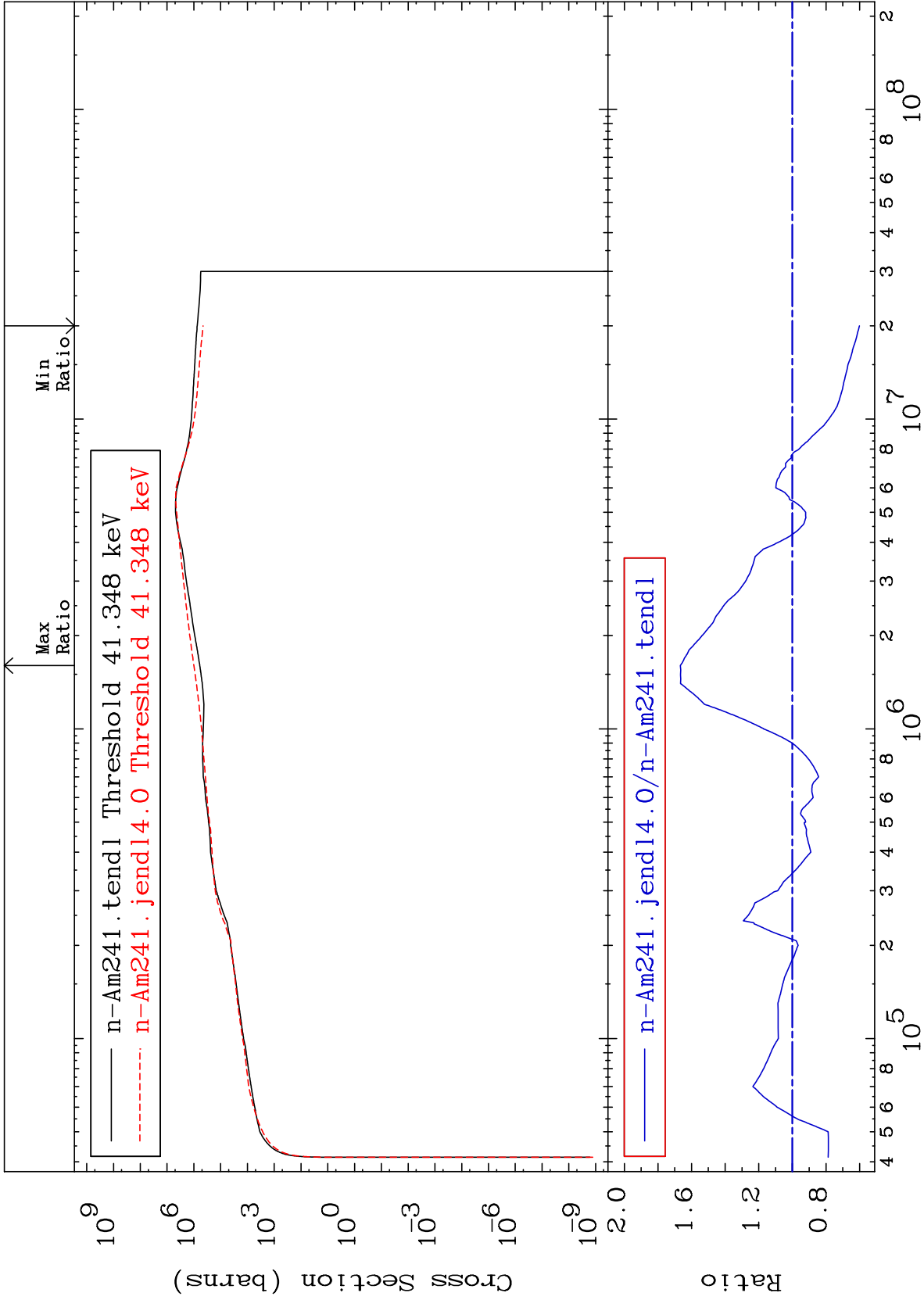
95-Am-241
-61.29 To 317.7 %



35

Incident Energy (eV)

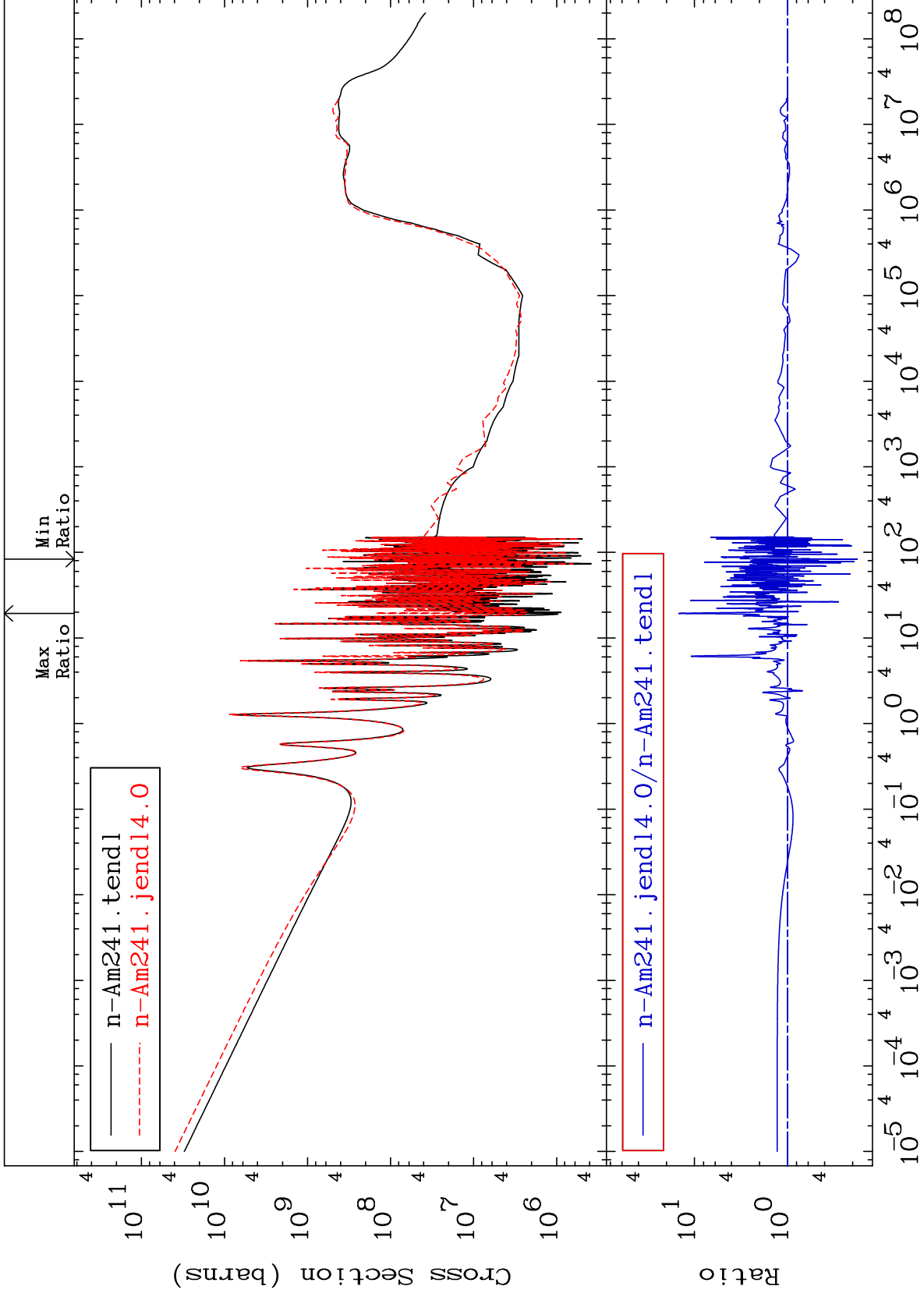
95-Am-241



MAT 9543

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

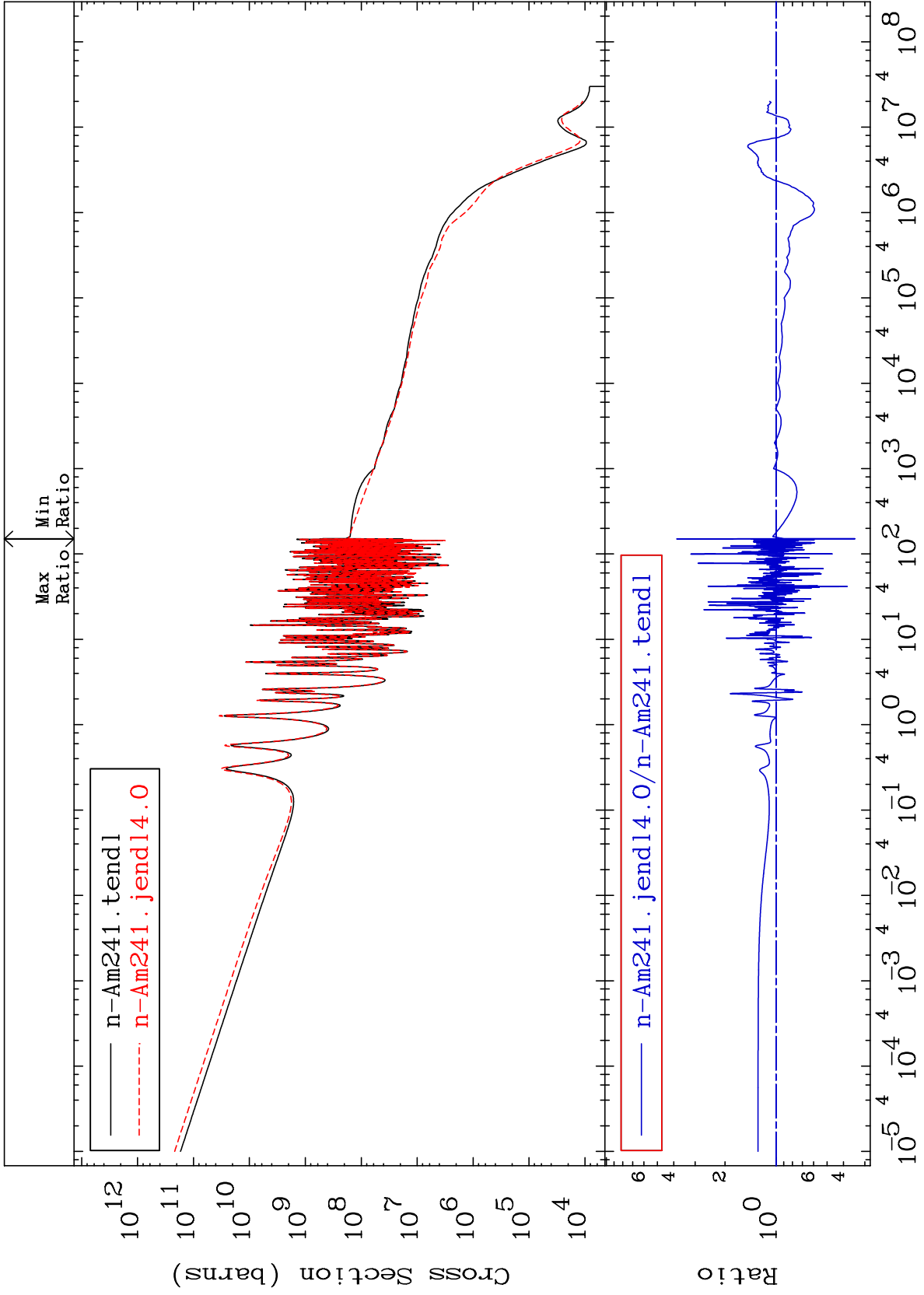
95-Am-241
-82.17 To 1380. %



MAT 9543

Kerma capture (mt102)
Cross Section

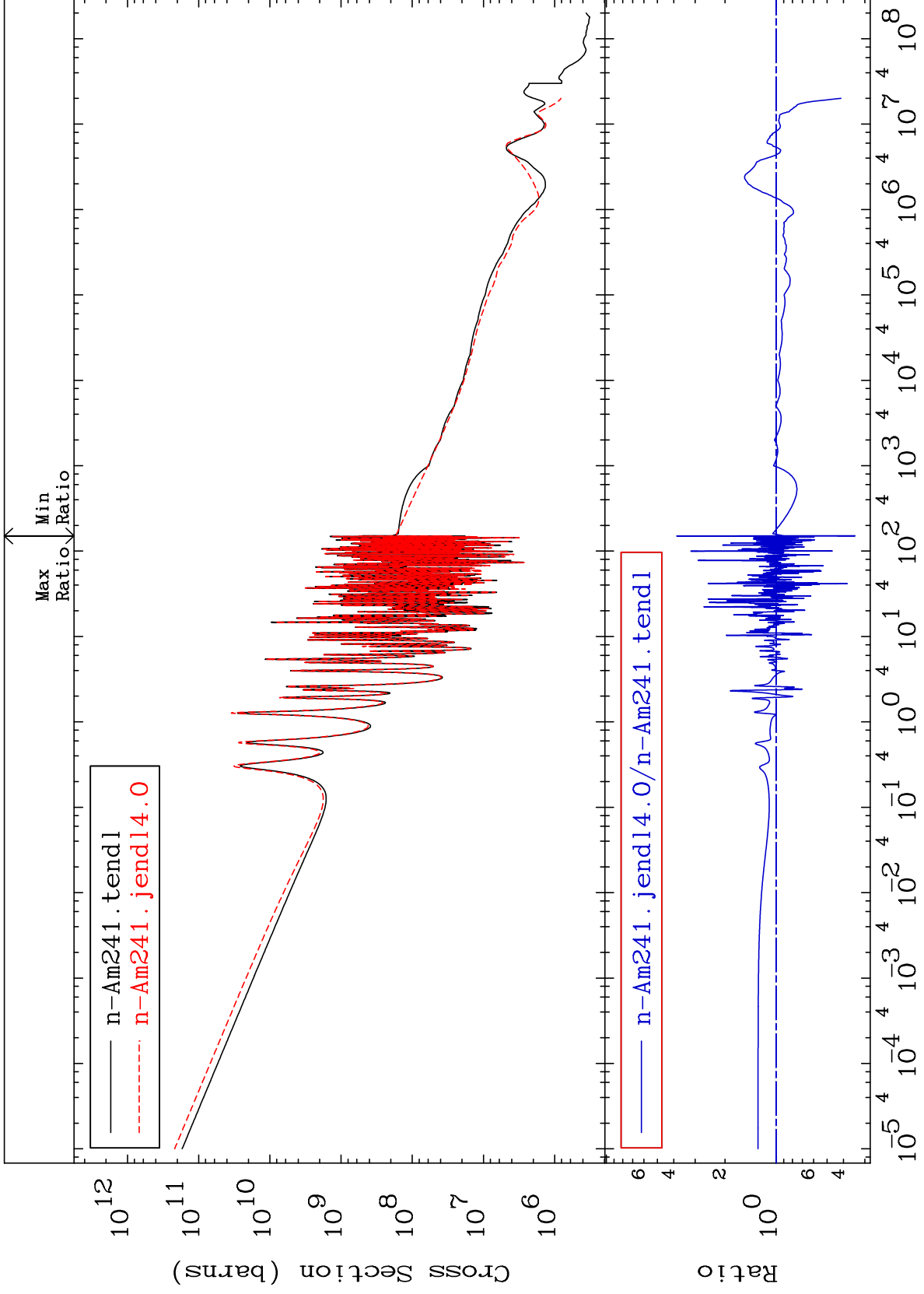
95-Am-241
-65.79 To 283.7 %



MAT 9543

Total photon (eV-barns)
Cross Section

95-Am-241
-65.79 To 283.7 %



39

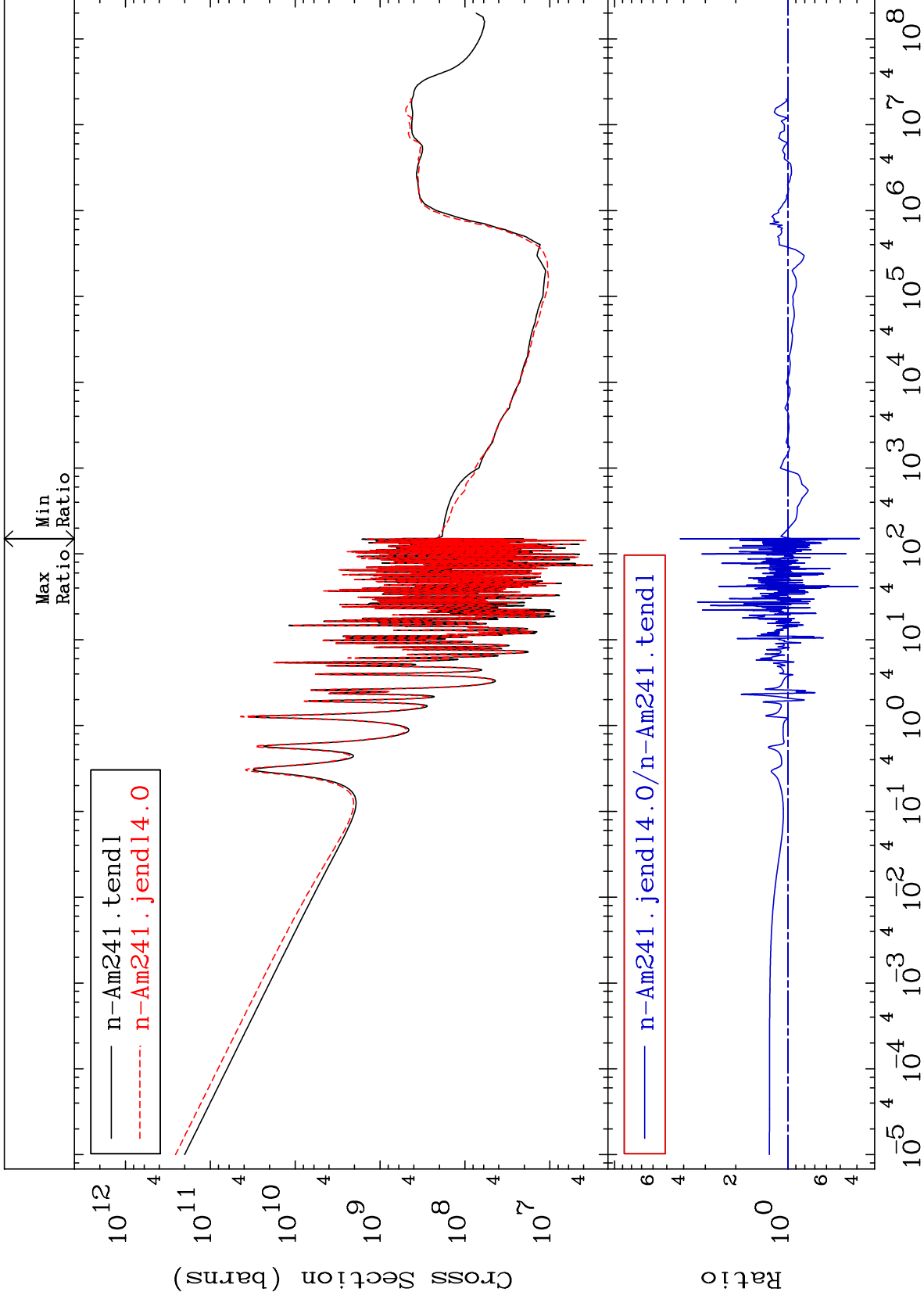
Incident Energy (eV)

95-Am-241

MAT 9543

Total kinematic kerma (high limit)
Cross Section

95-Am-241
-61.29 To 317.7 %



40

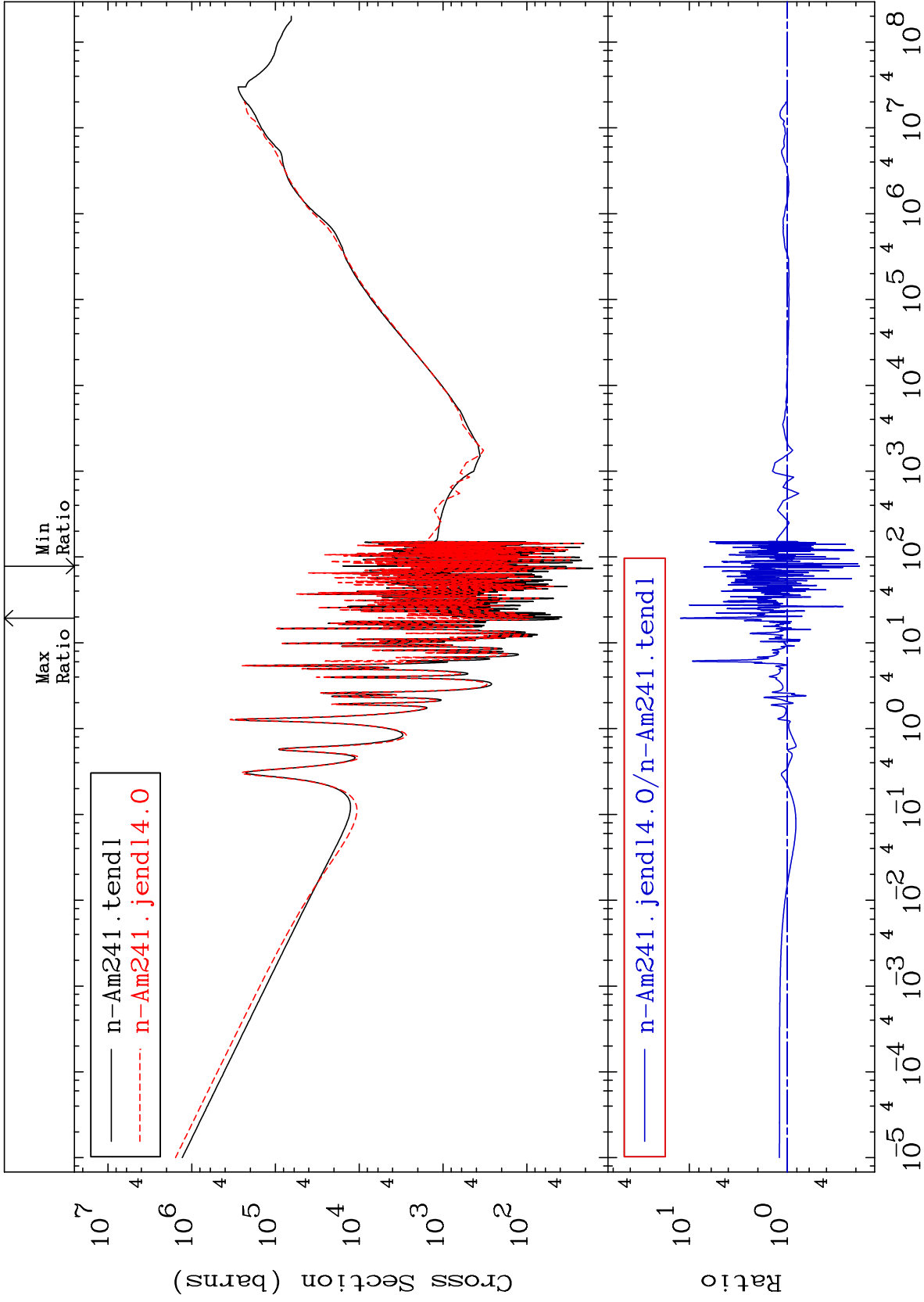
Incident Energy (eV)

95-Am-241

MAT 9543

Dpa total (eV-barns)
Cross Section

95-Am-241
-81.60 To 1135. %



41

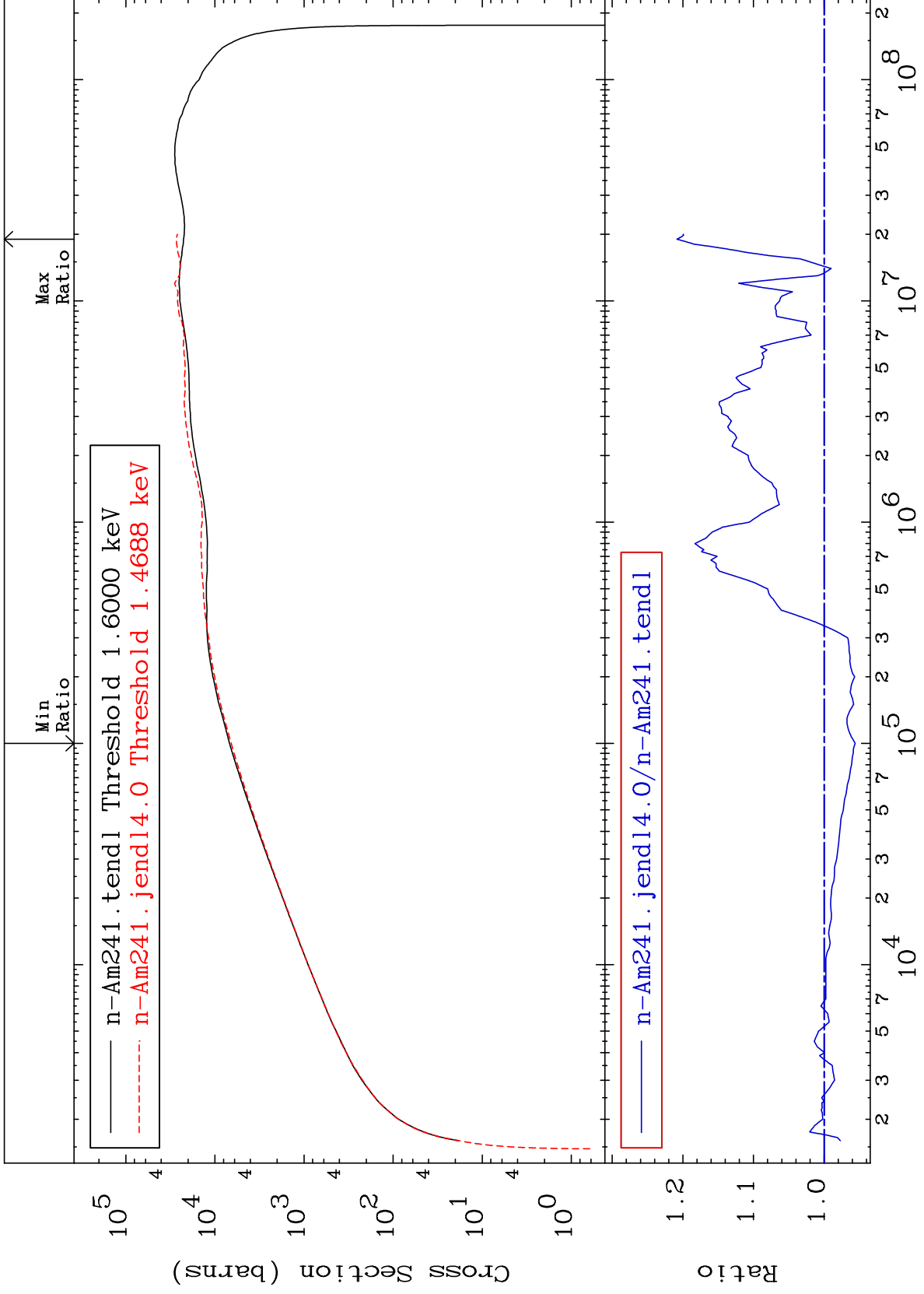
Incident Energy (eV)

95-Am-241

MAT 9543

Dpa elastic (mt2)
Cross Section

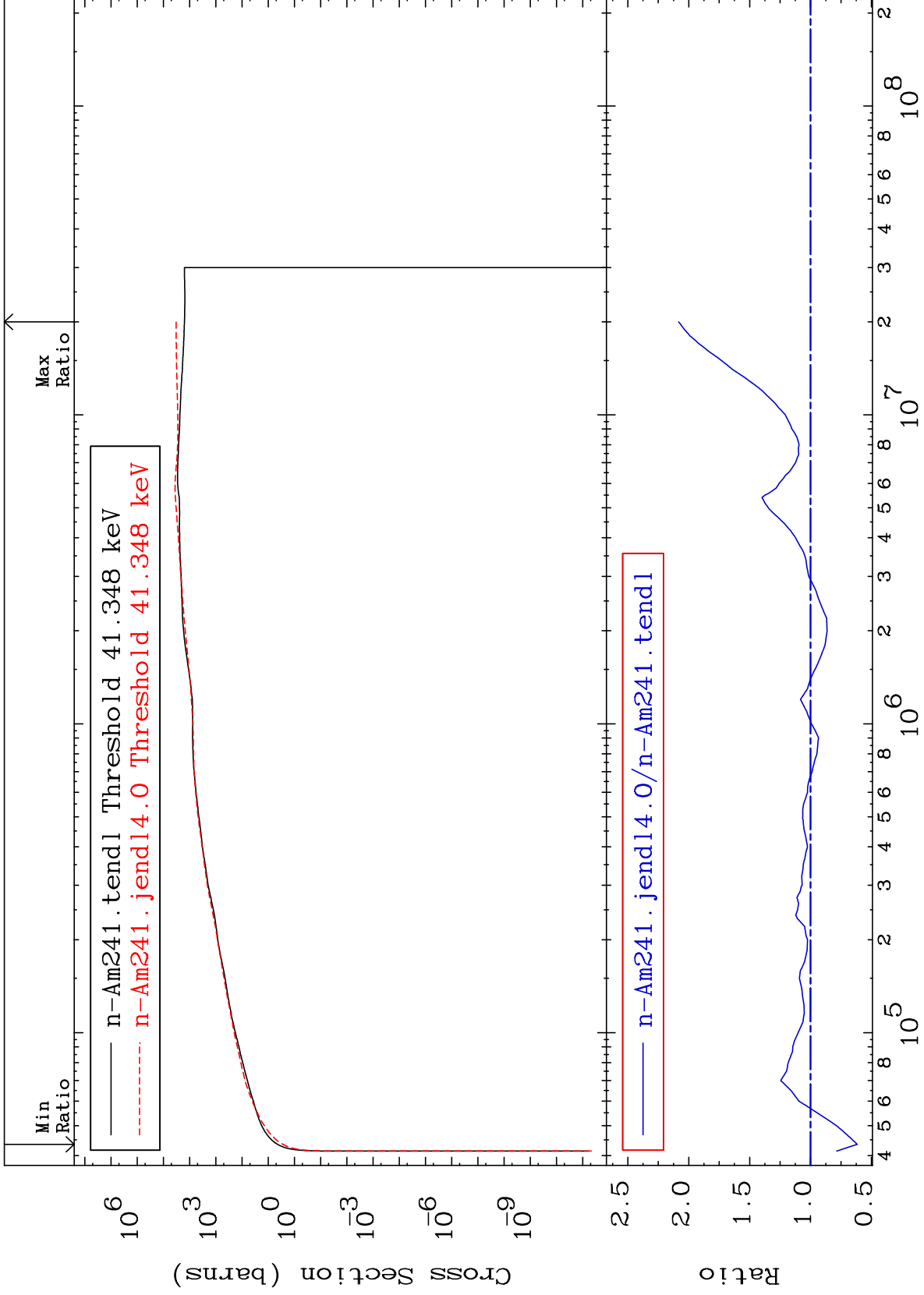
95-Am-241
-4.380 To 20.84 %



MAT 9543

Dpa inelastic (mt51-91)
Cross Section

95-Am-241
-38.34 To 108.3 %



MAT 9543

Dpa disappearance (mt102 -120)
Cross Section

95-Am-241
-100.0 To 412.4 %

