

95-Am-242

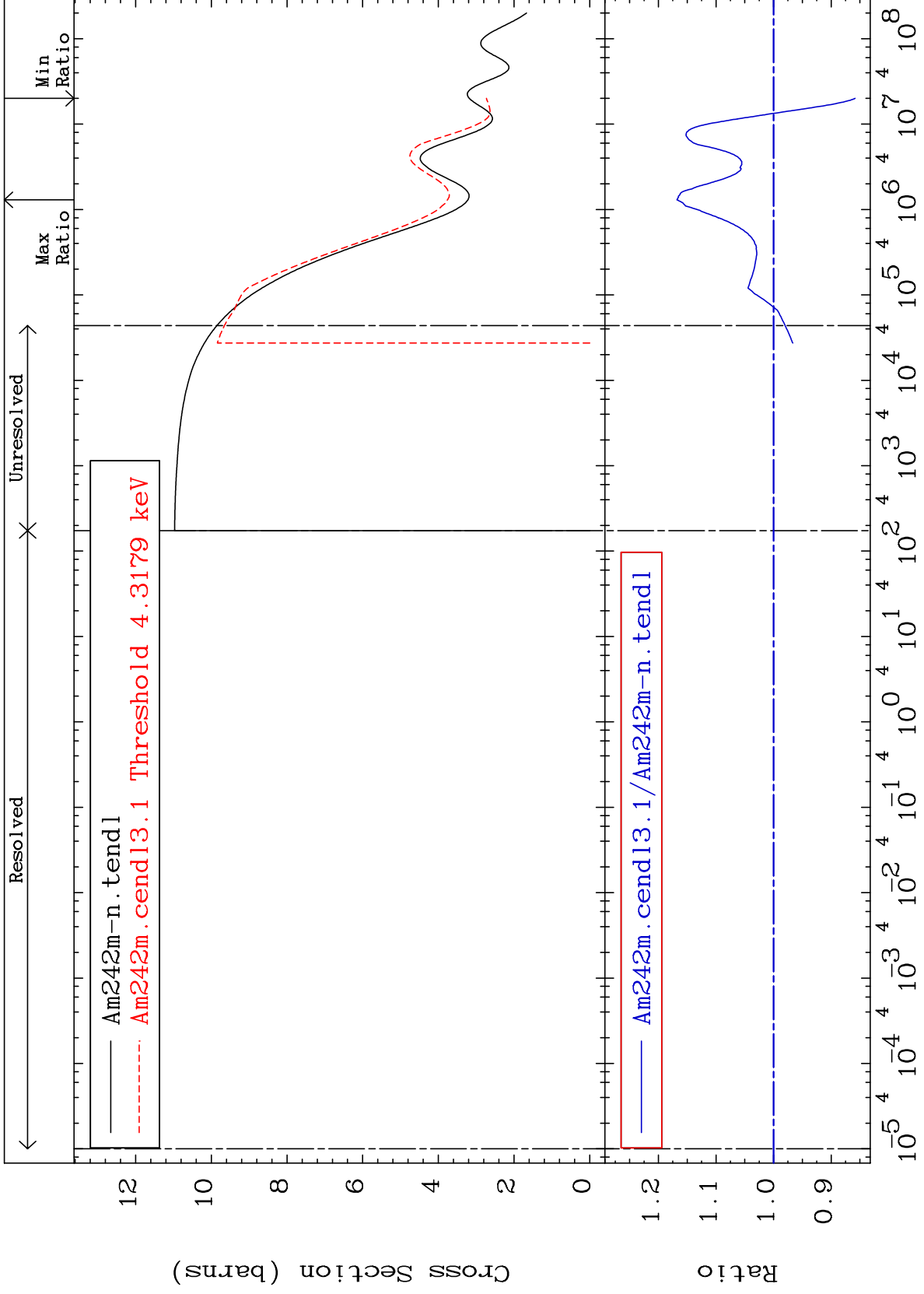
Incident Energy (KeV)

1

MAT 9547

Elastic  
Cross Section

95-Am-242  
-14.16 To 16.79 %



3

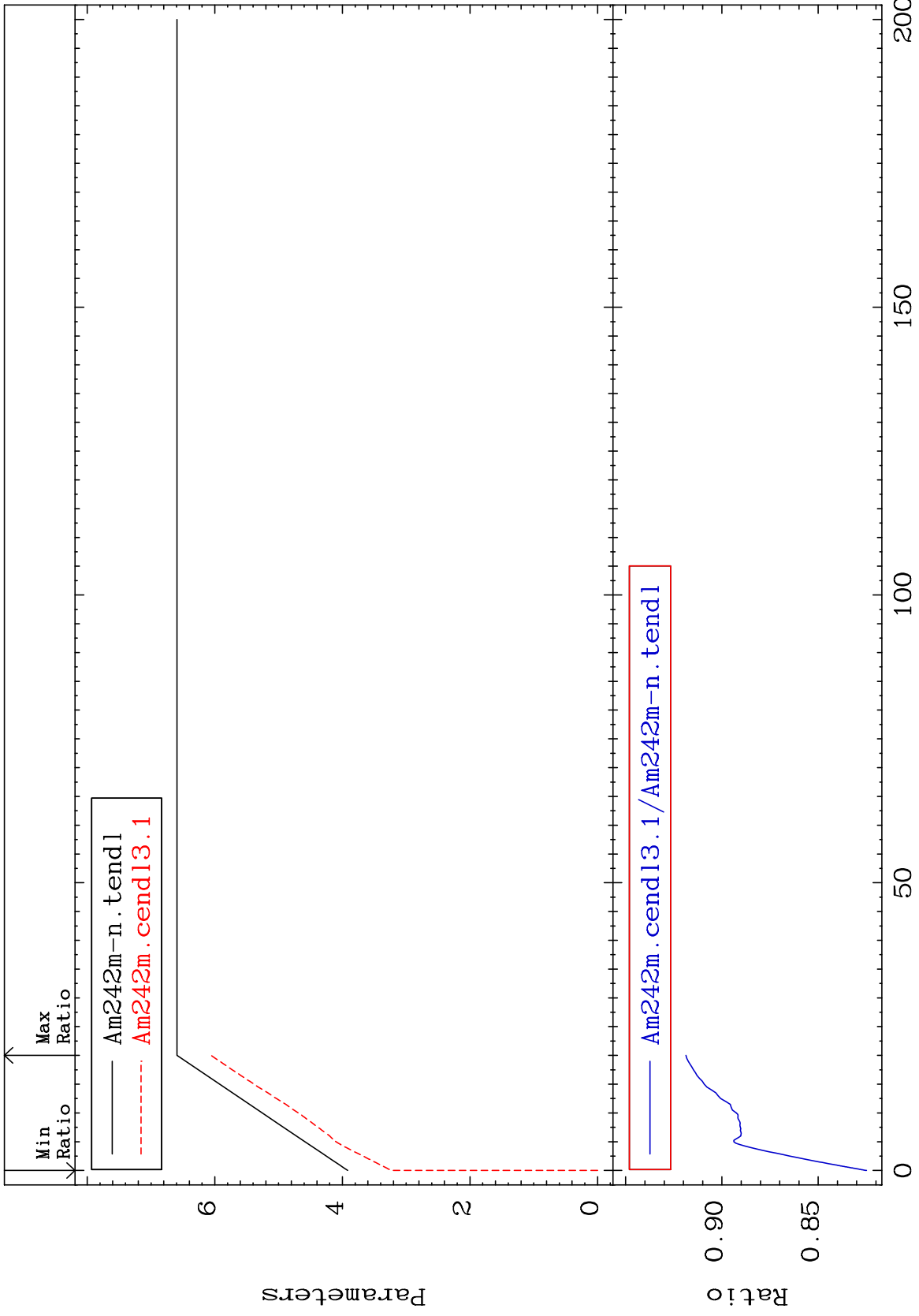
Incident Energy (eV)

95-Am-242

MAT 9547

Total  $\bar{\nu}$   
Parameters

95-Am-242  
-17.51 To -8.132%

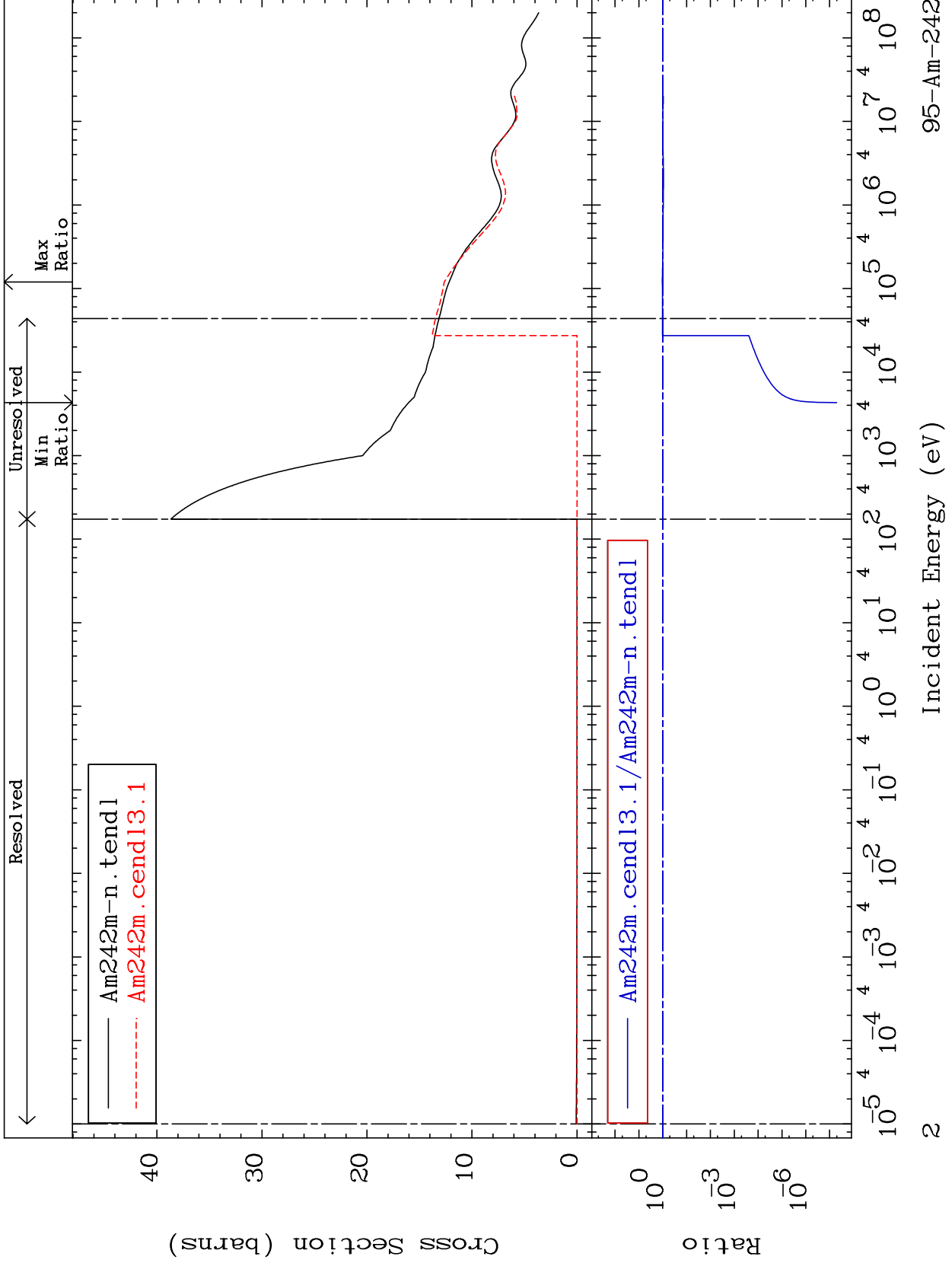


Incident Energy (MeV)

95-Am-242

MAT 9547

Total Cross Section  
95-Am-242  
-100.0 To 3.798 %

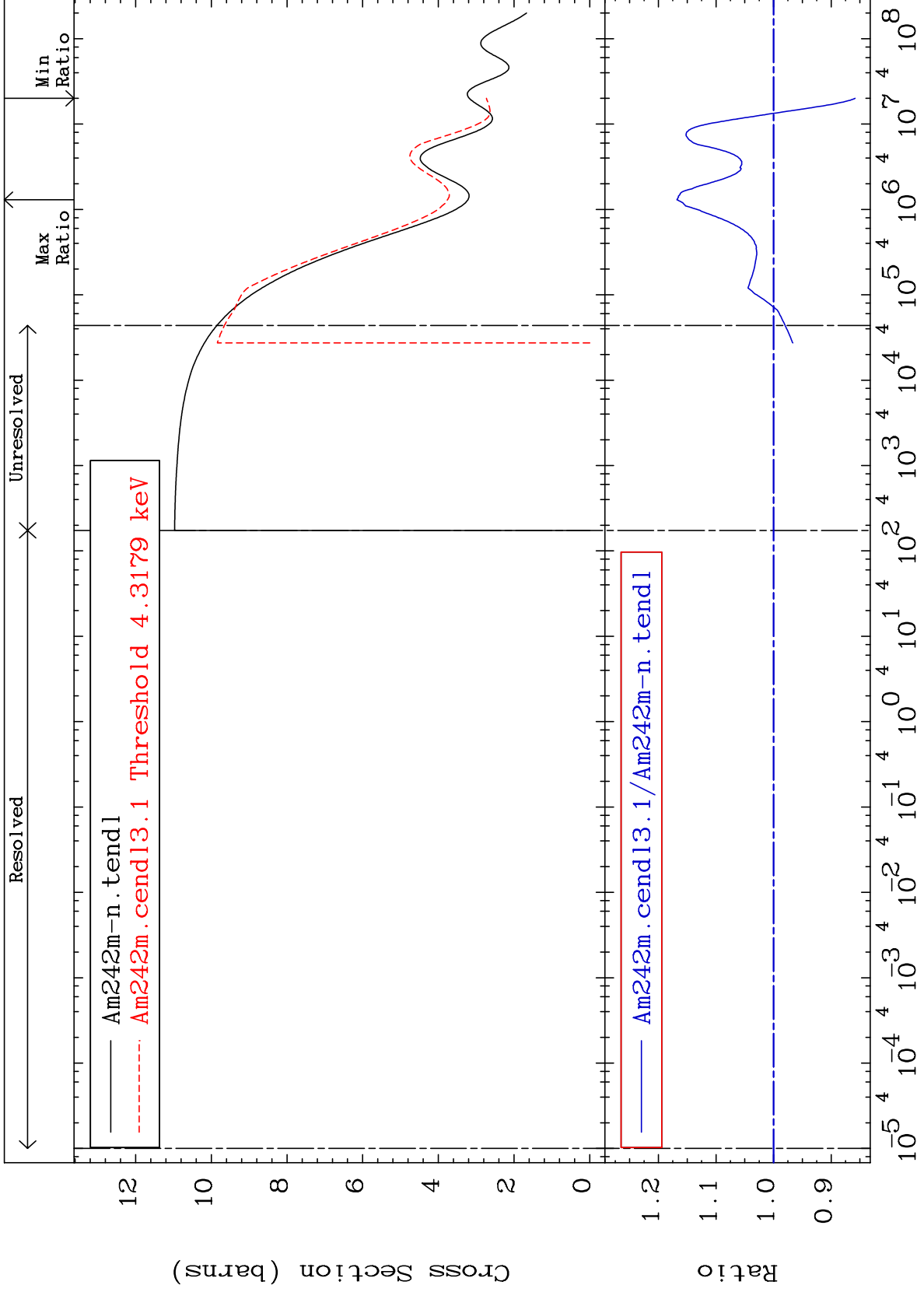


95-Am-242

MAT 9547

Elastic  
Cross Section

95-Am-242  
-14.16 To 16.79 %



3

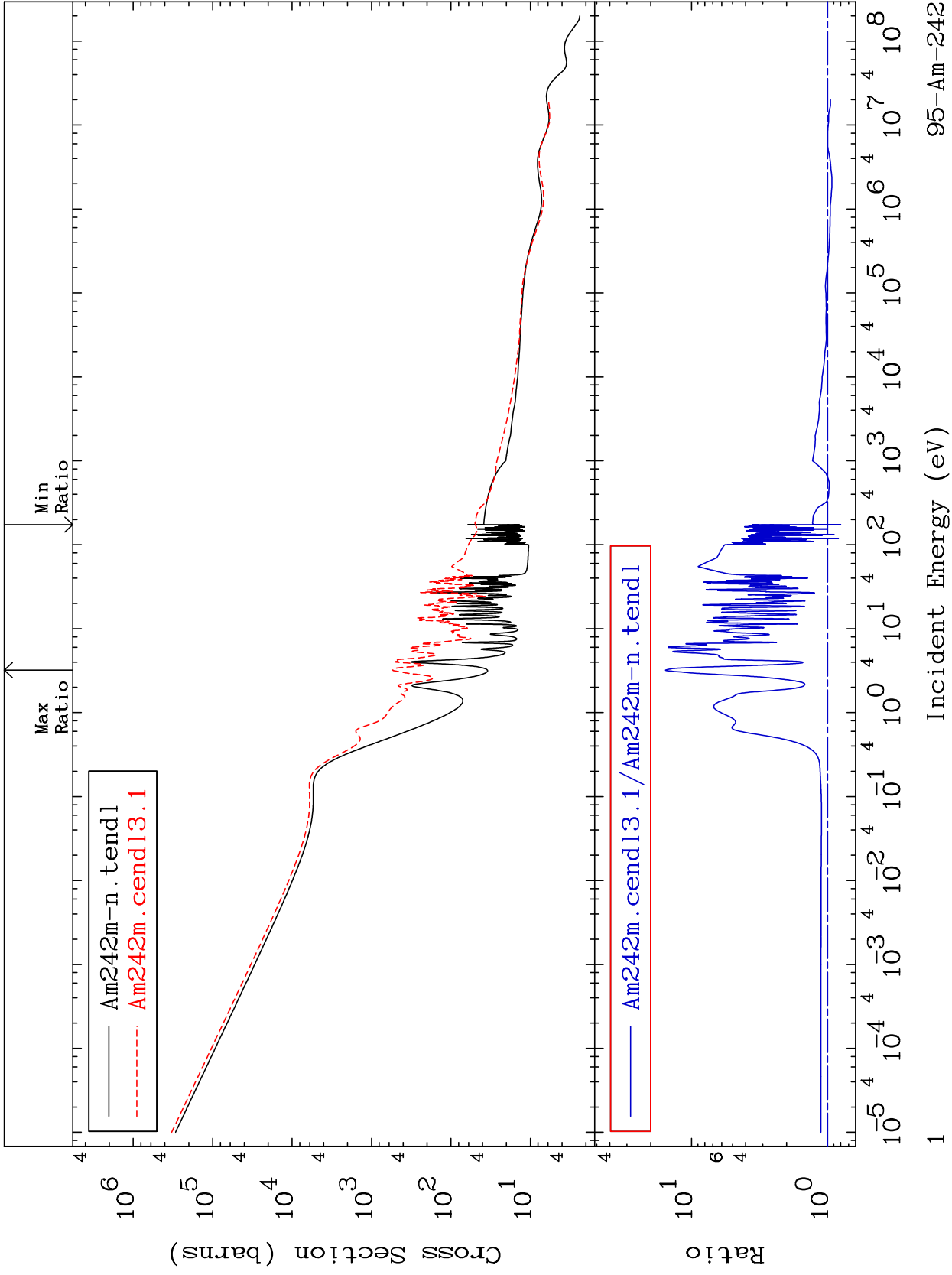
Incident Energy (eV)

95-Am-242

MAT 9547

95-Am-242  
-20.00 To 1457. %

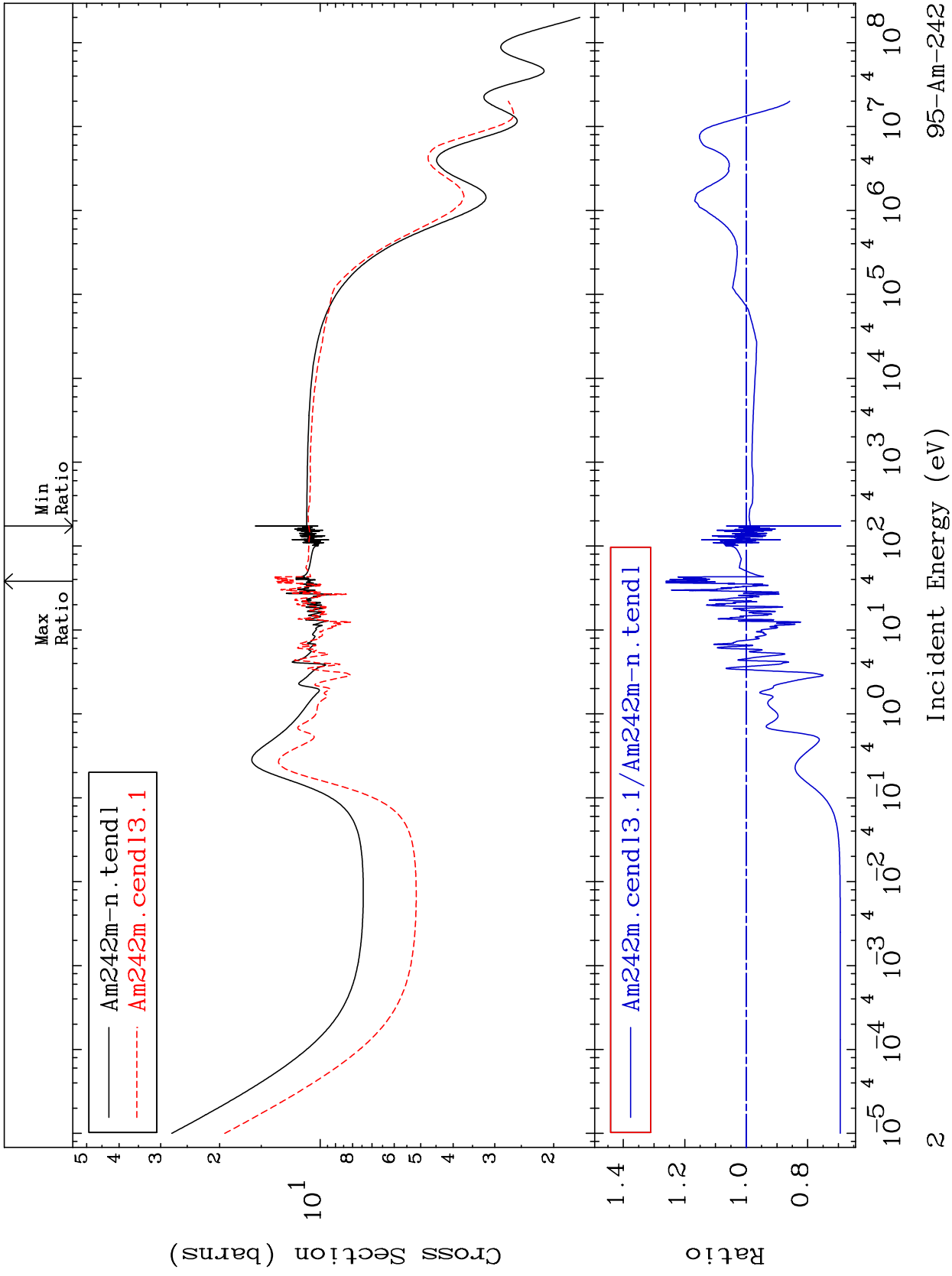
Total  
Cross Section



95-Am-242

MAT 9547

Elastic Cross Section  
95-Am-242  
-30.73 To 26.26 %

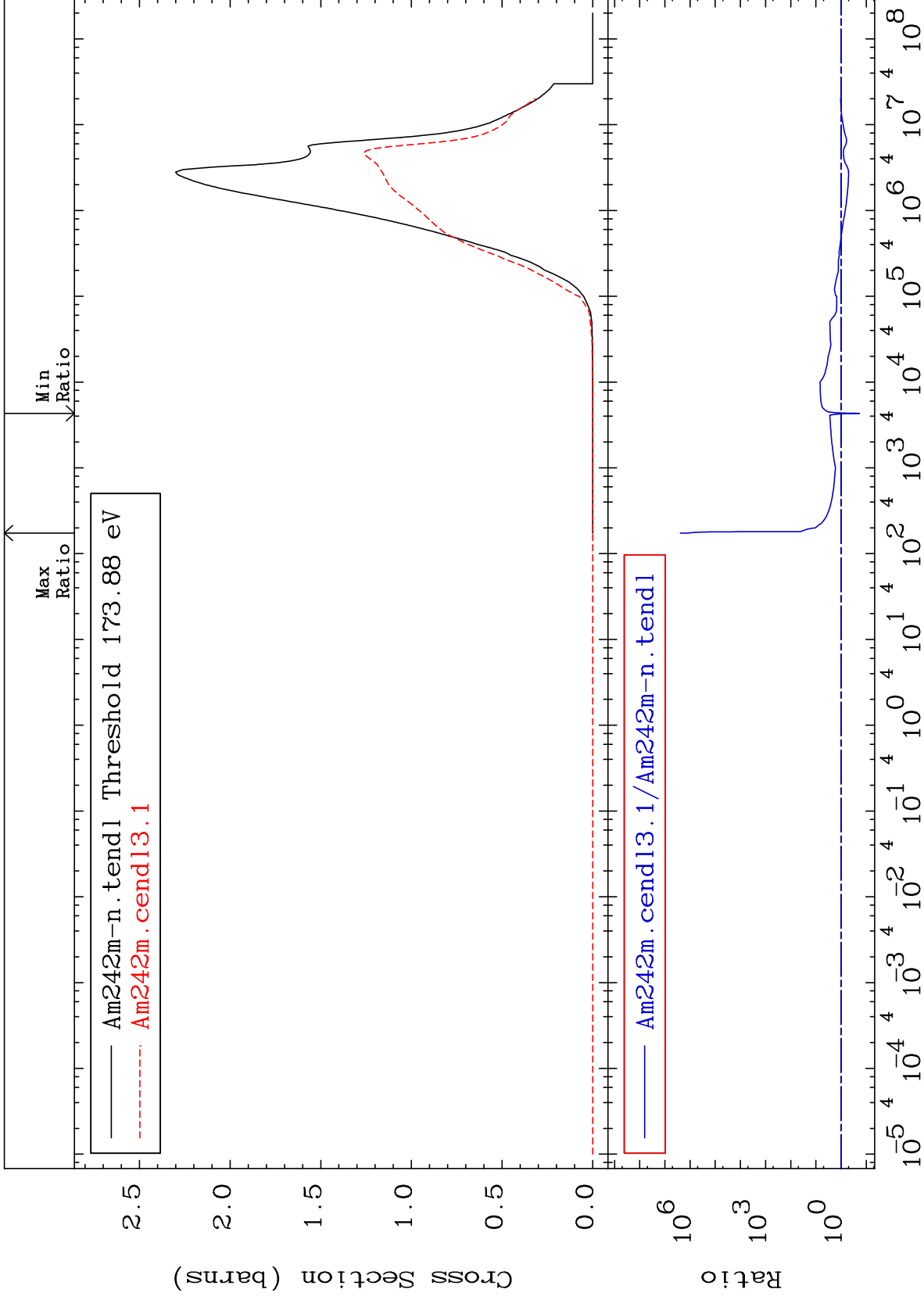


95-Am-242

MAT 9547

Inelastic  
Cross Section

95-Am-242  
-81.36 To 9999. %



3

Incident Energy (eV)

95-Am-242



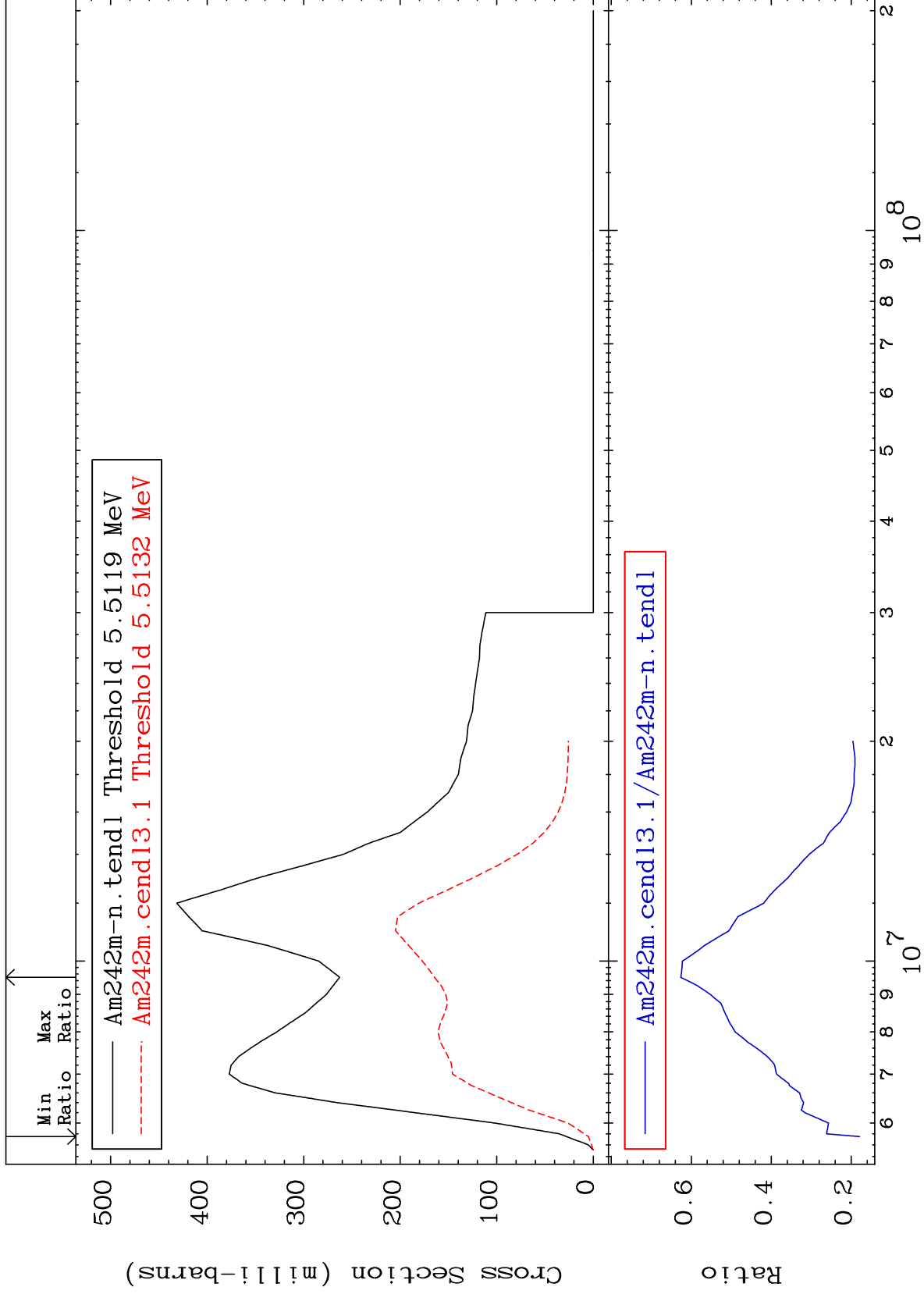
MAT 9547

(n,2n)

95-Am-242

Cross Section

-82.09 To -37.38%



4

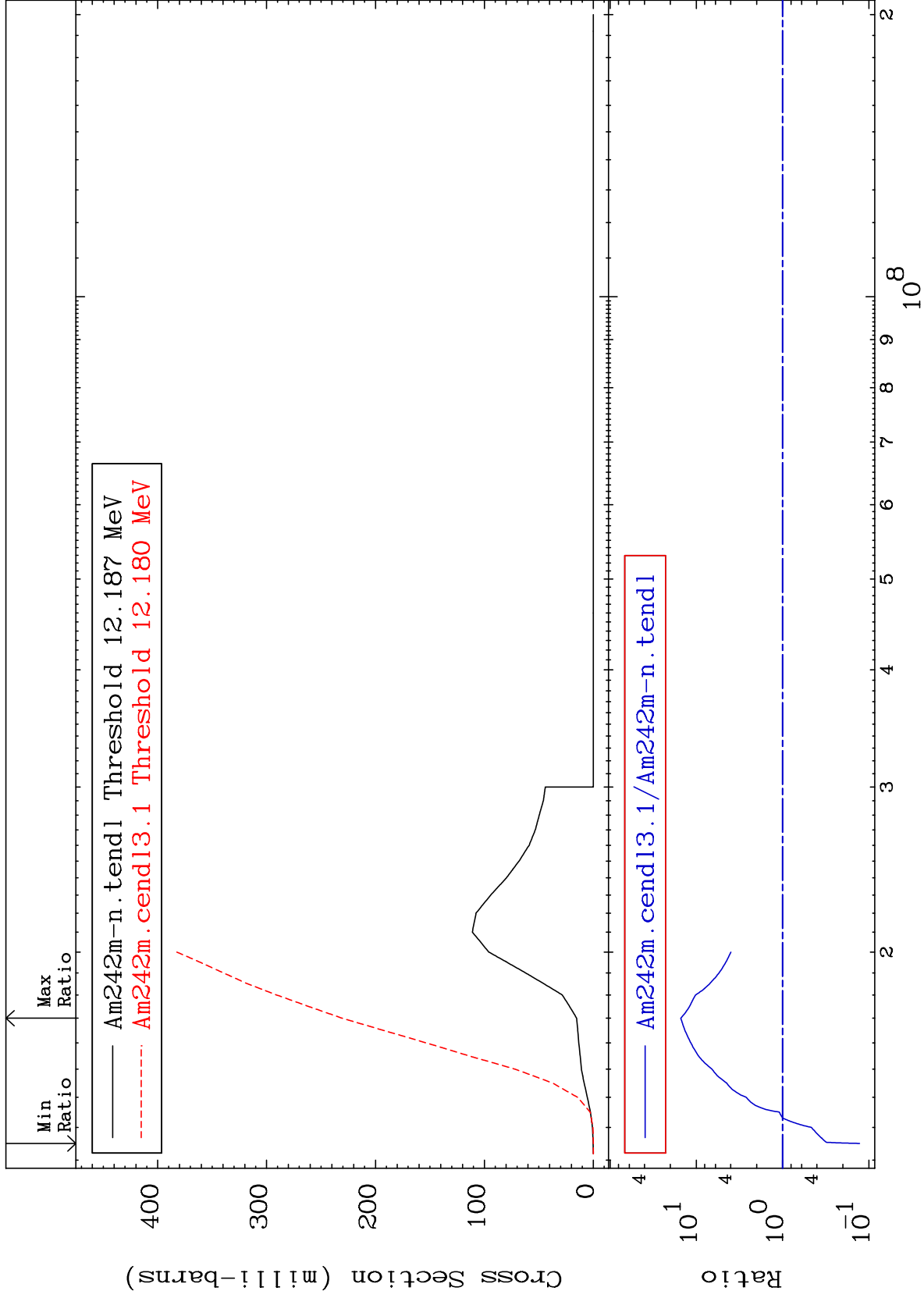
Incident Energy (eV)

95-Am-242

MAT 9547

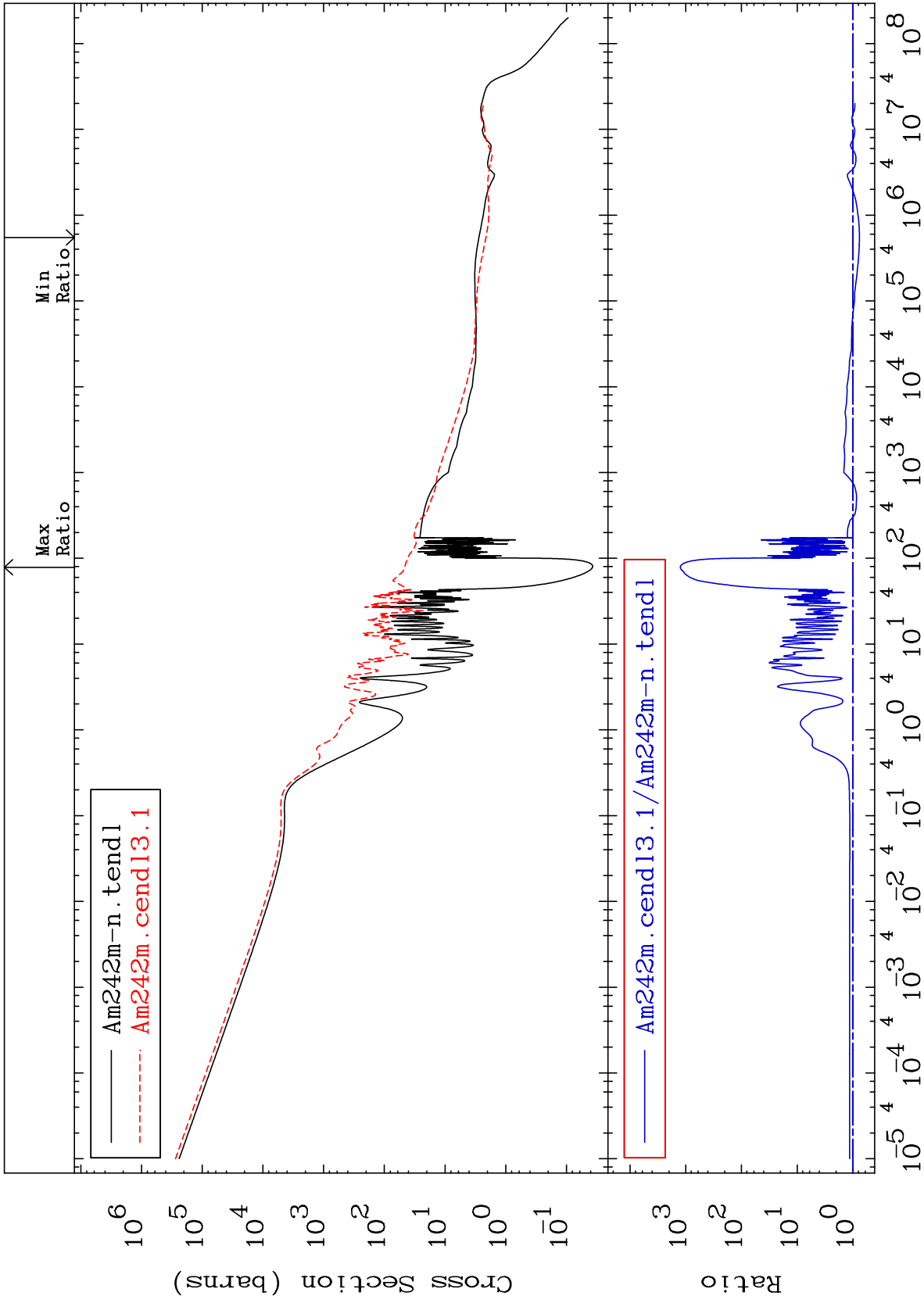
(n, 3n)  
Cross Section

95-Am-242  
-87.19 To 1416. %



MAT 9547

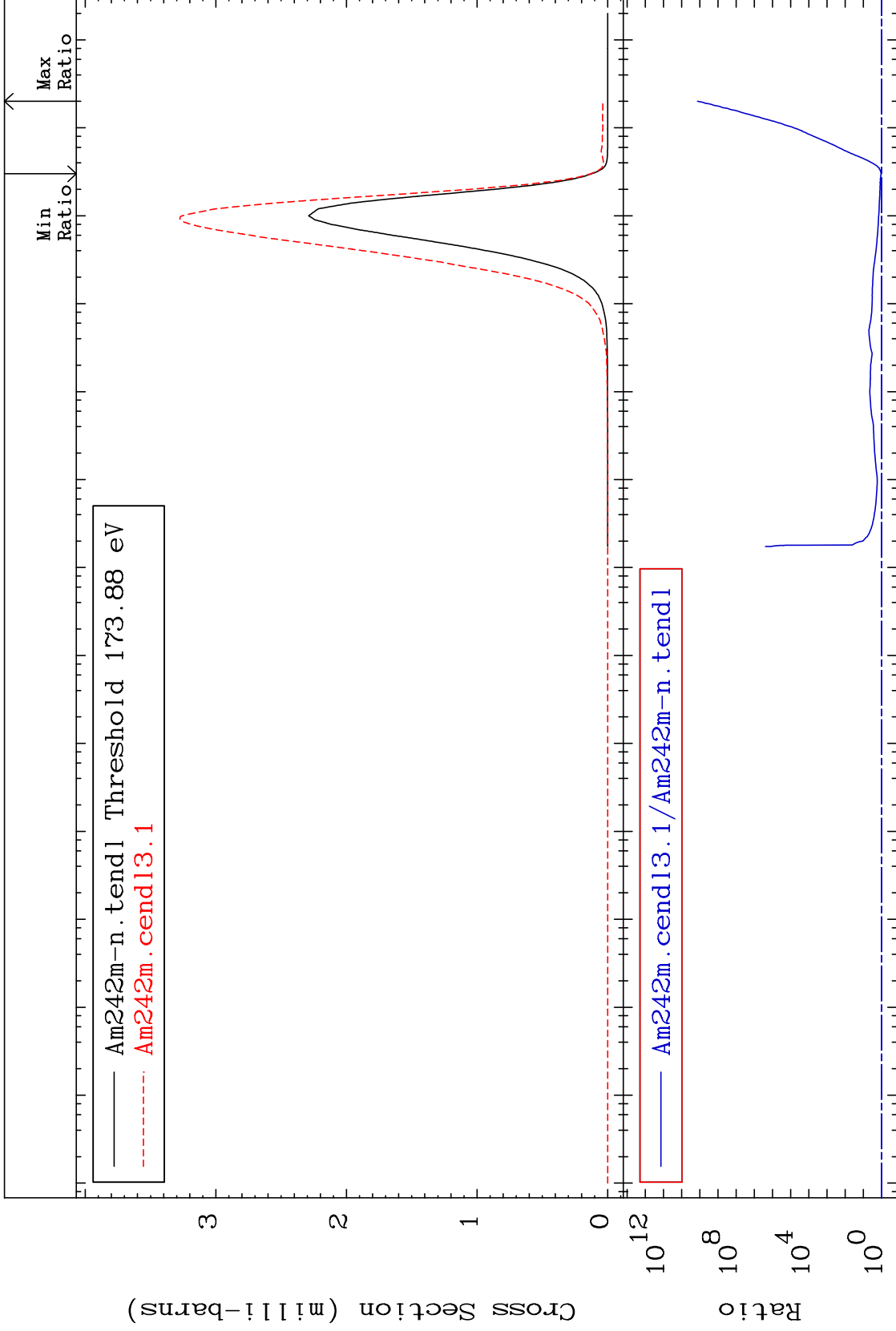
Fission Cross Section 95-Am-242  
-23.54 To 9999. %



MAT 9547

0.000 keV (n,n') Level  
Cross Section

95-Am-242  
4.894 To 9999. %



Incident Energy (eV)

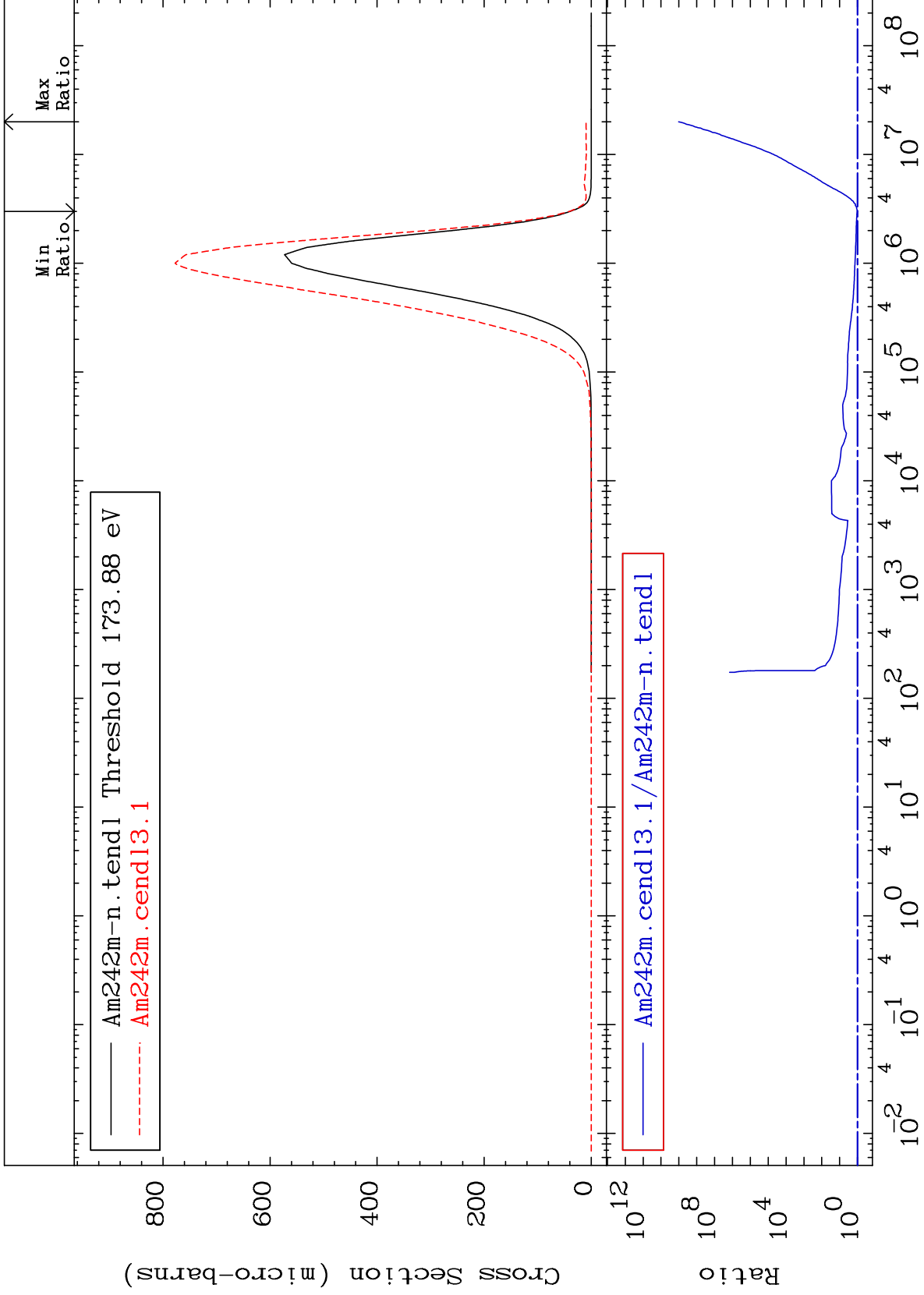
95-Am-242

7

MAT 9547

44.09 keV (n,n') Level  
Cross Section

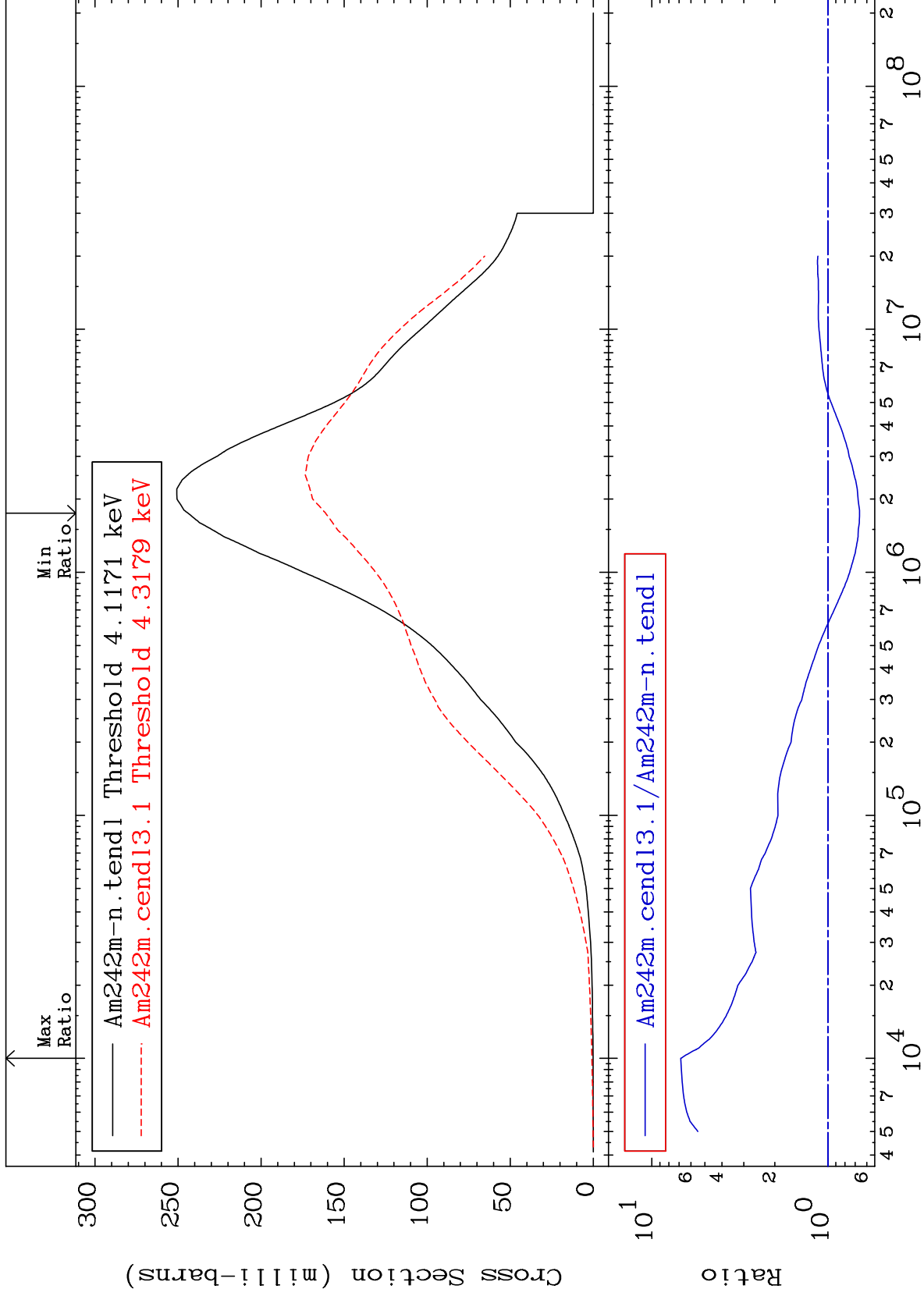
95-Am-242  
3.144 To 9999. %



MAT 9547

52.70 keV (n,n') Level  
Cross Section

95-Am-242  
-33.94 To 584.8 %



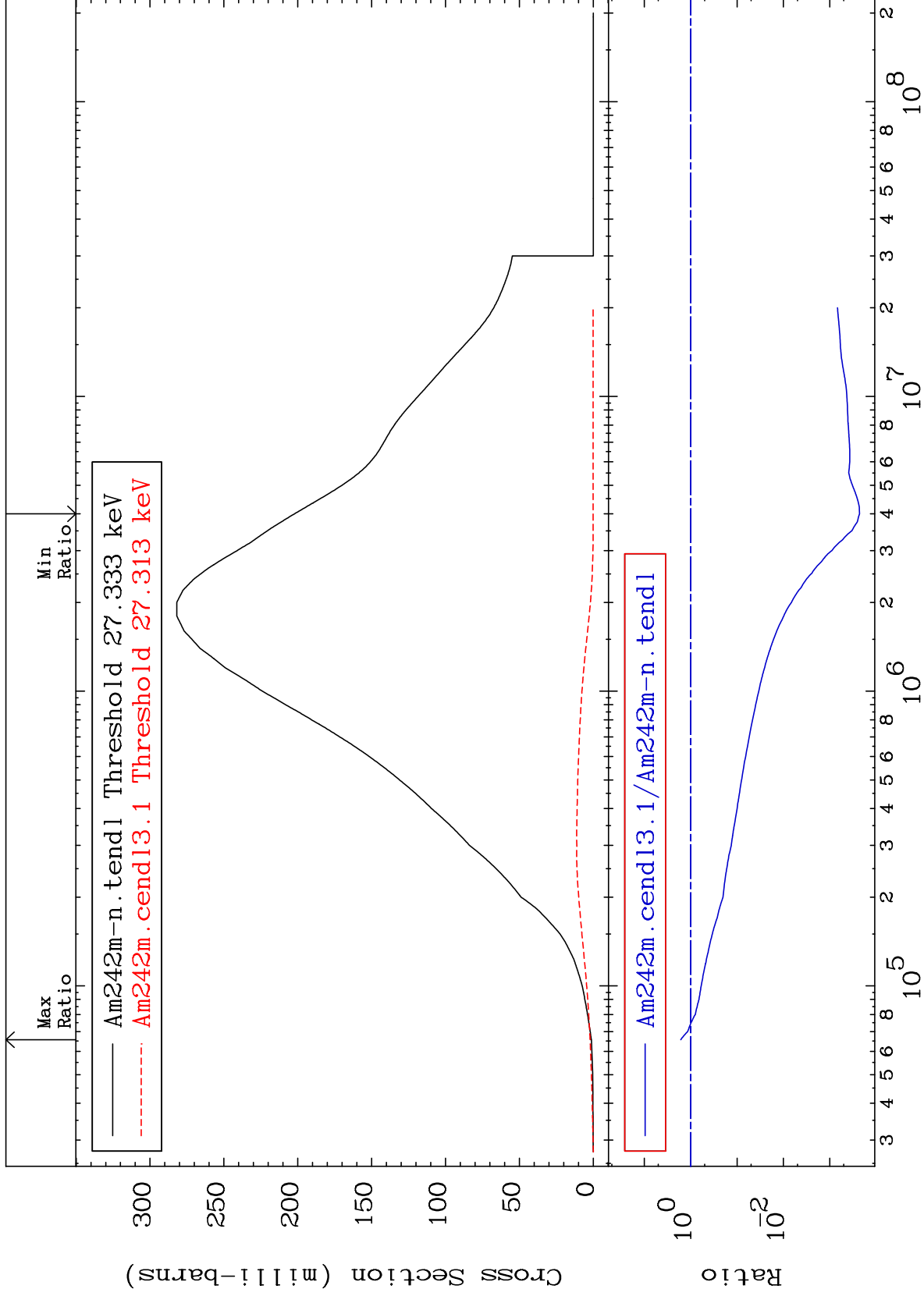
MAT 9547

75.82 keV (n,n') Level

95-Am-242

-99.98 To 63.21 %

Cross Section



10

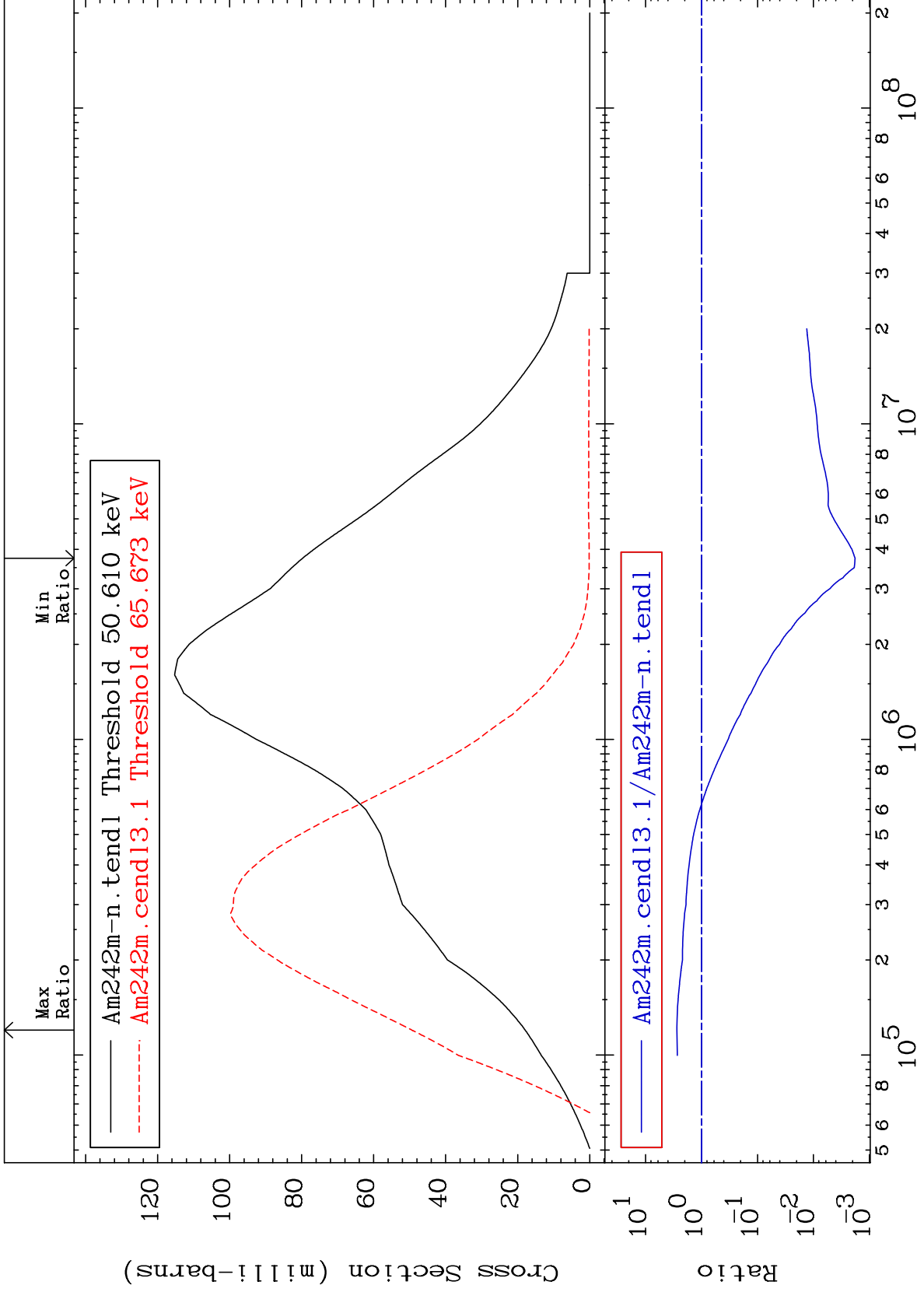
Incident Energy (eV)

95-Am-242

MAT 9547

99.00 keV (n,n') Level  
Cross Section

95-Am-242  
-99.82 To 175.6 %

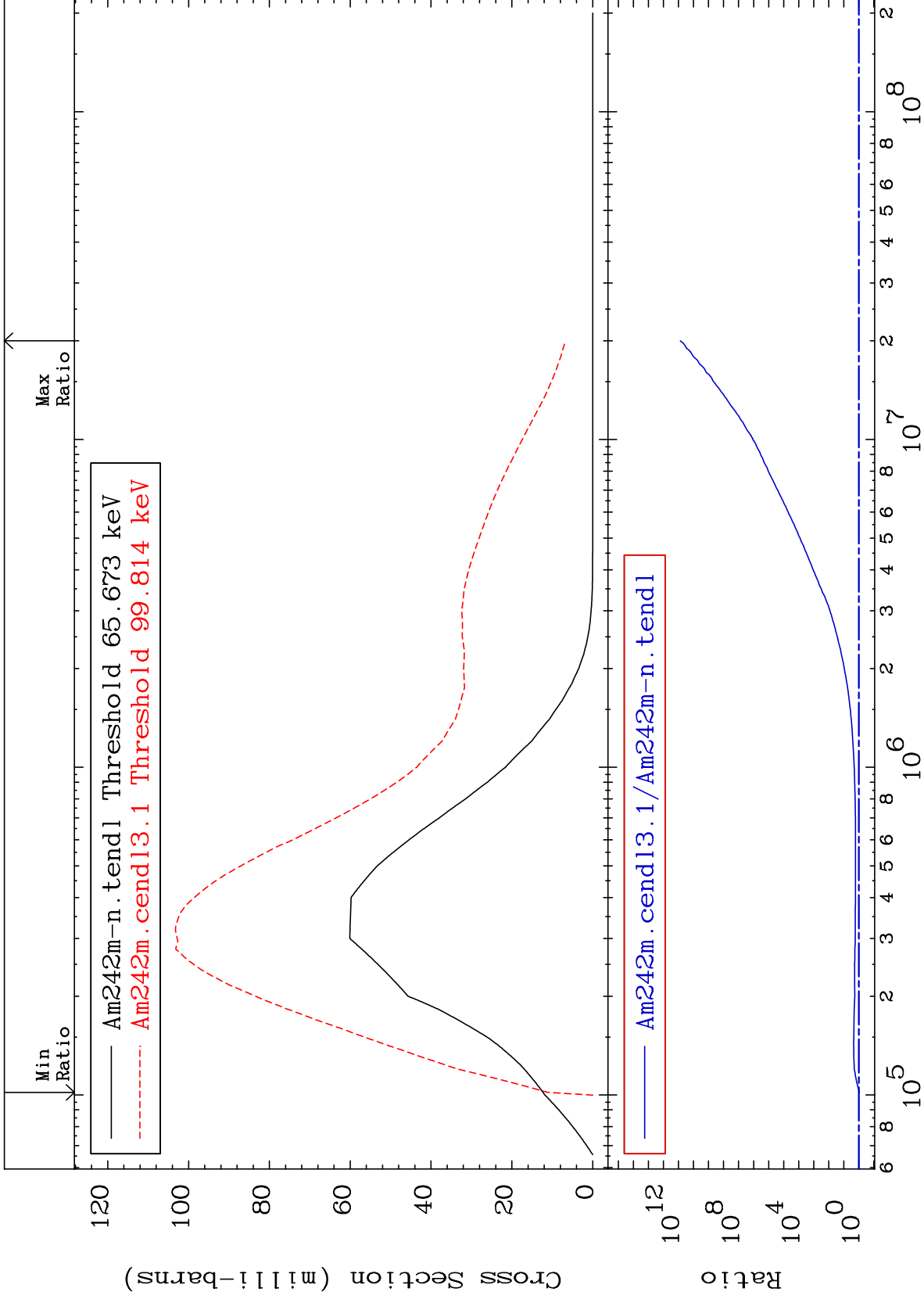




MAT 9547

114.0 keV (n,n') Level  
Cross Section

95-Am-242  
-10.03 To 9999. %



12

Incident Energy (eV)

95-Am-242

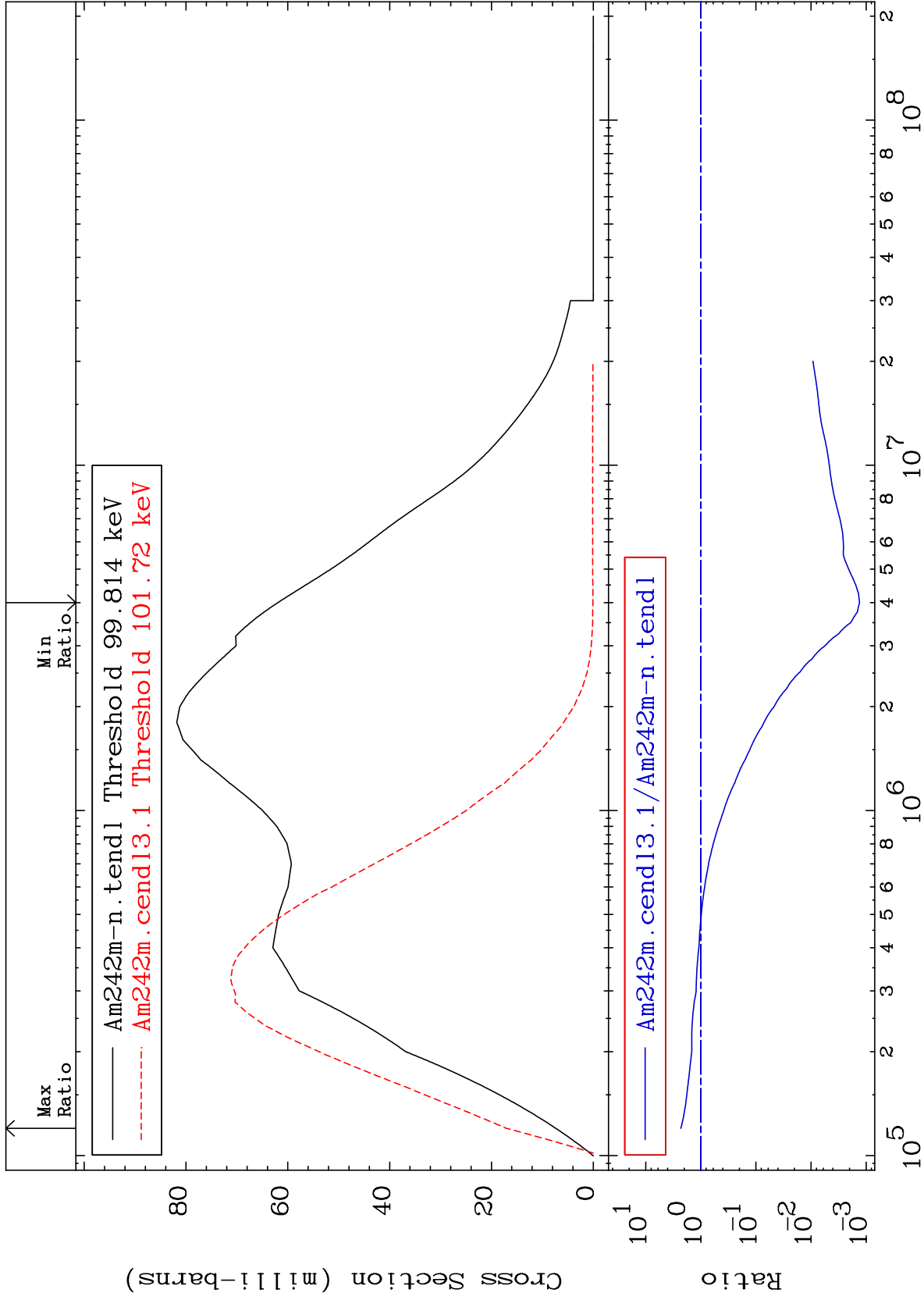
MAT 9547

148.0 keV (n,n') Level

95-Am-242

-99.87 To 131.7 %

Cross Section



13

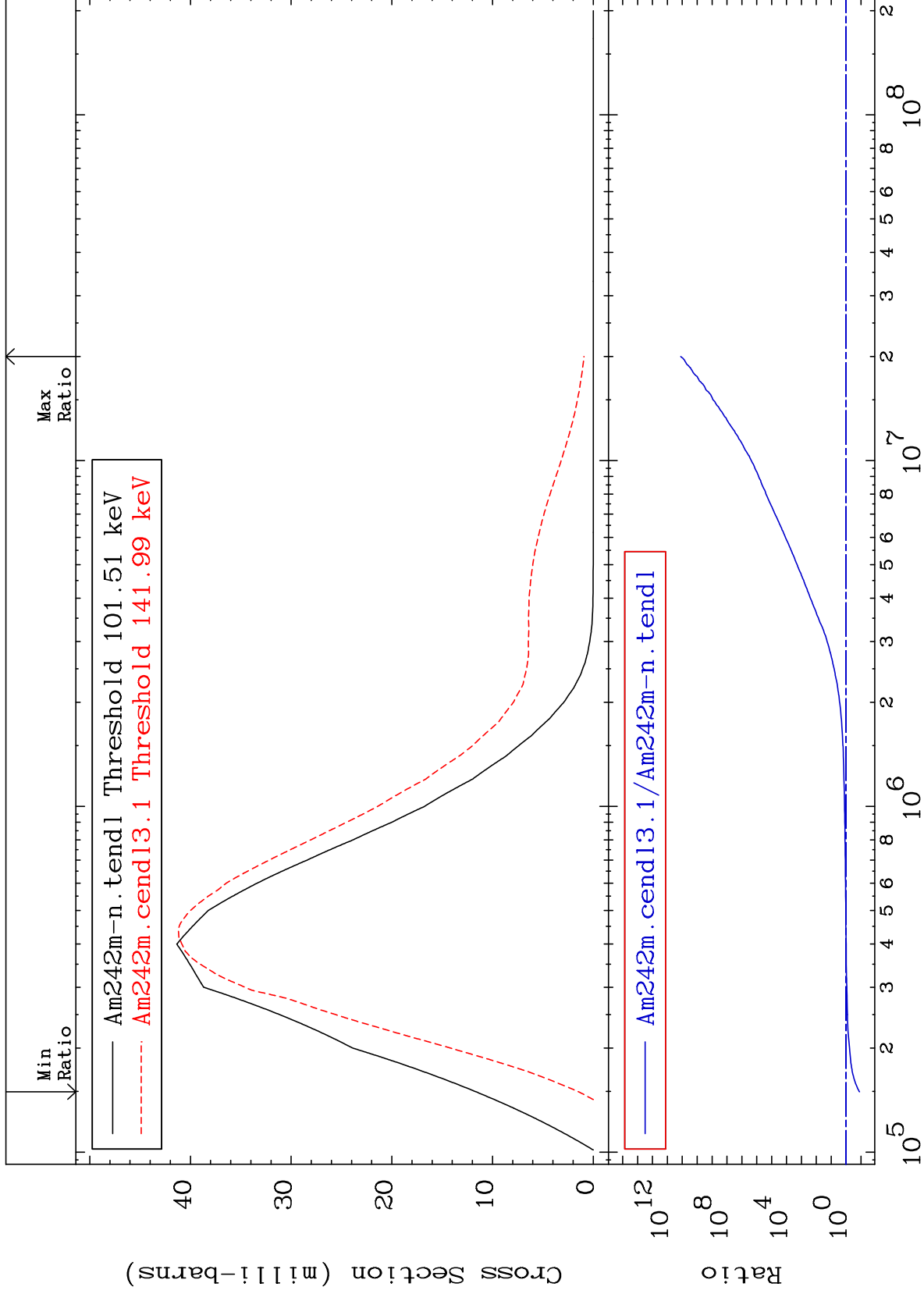
Incident Energy (eV)

95-Am-242

MAT 9547

149.7 keV (n,n') Level  
Cross Section

95-Am-242  
-87.50 To 9999. %



14

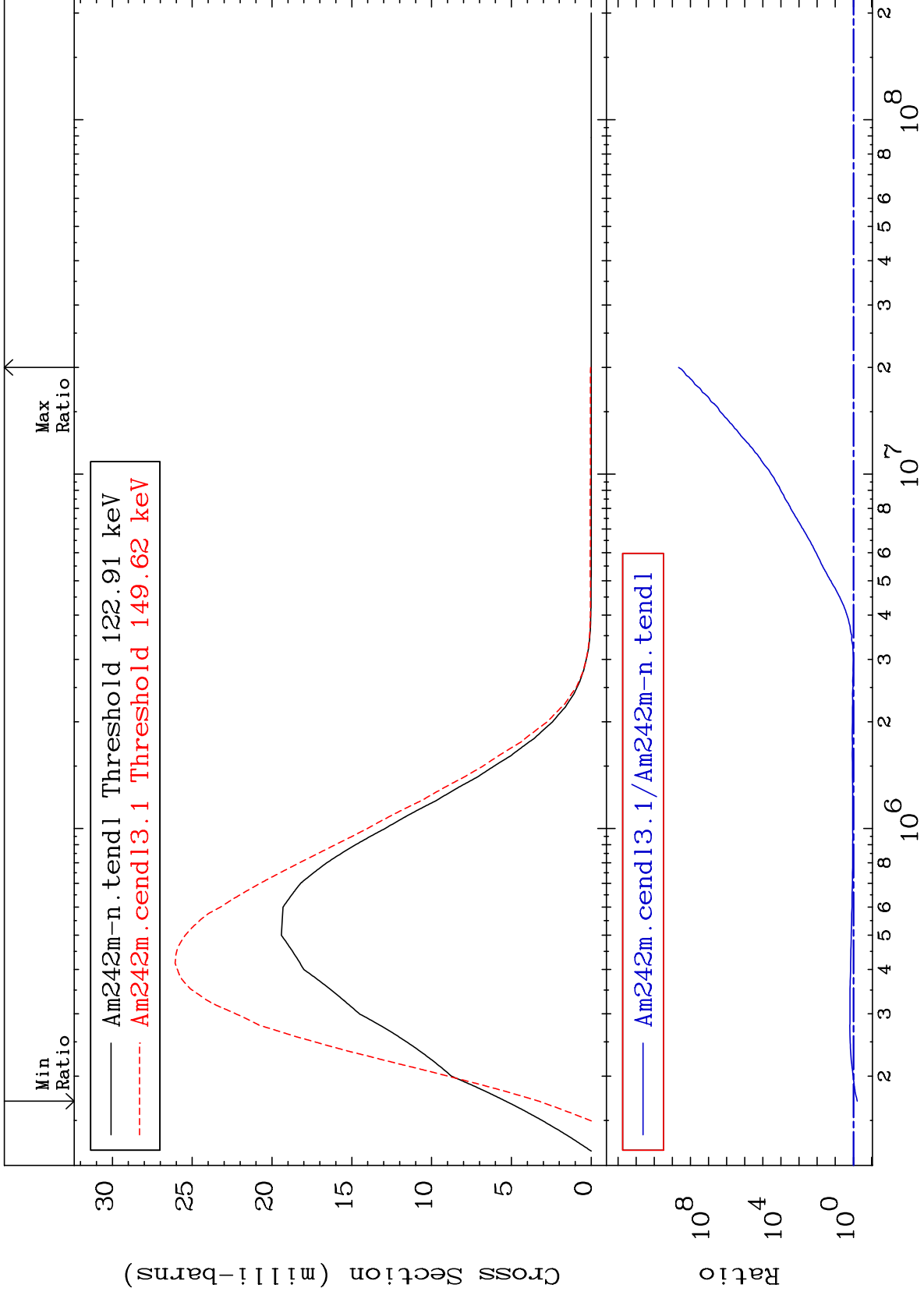
Incident Energy (eV)

95-Am-242

MAT 9547

171.0 keV (n,n') Level  
Cross Section

95-Am-242  
-38.68 To 9999. %

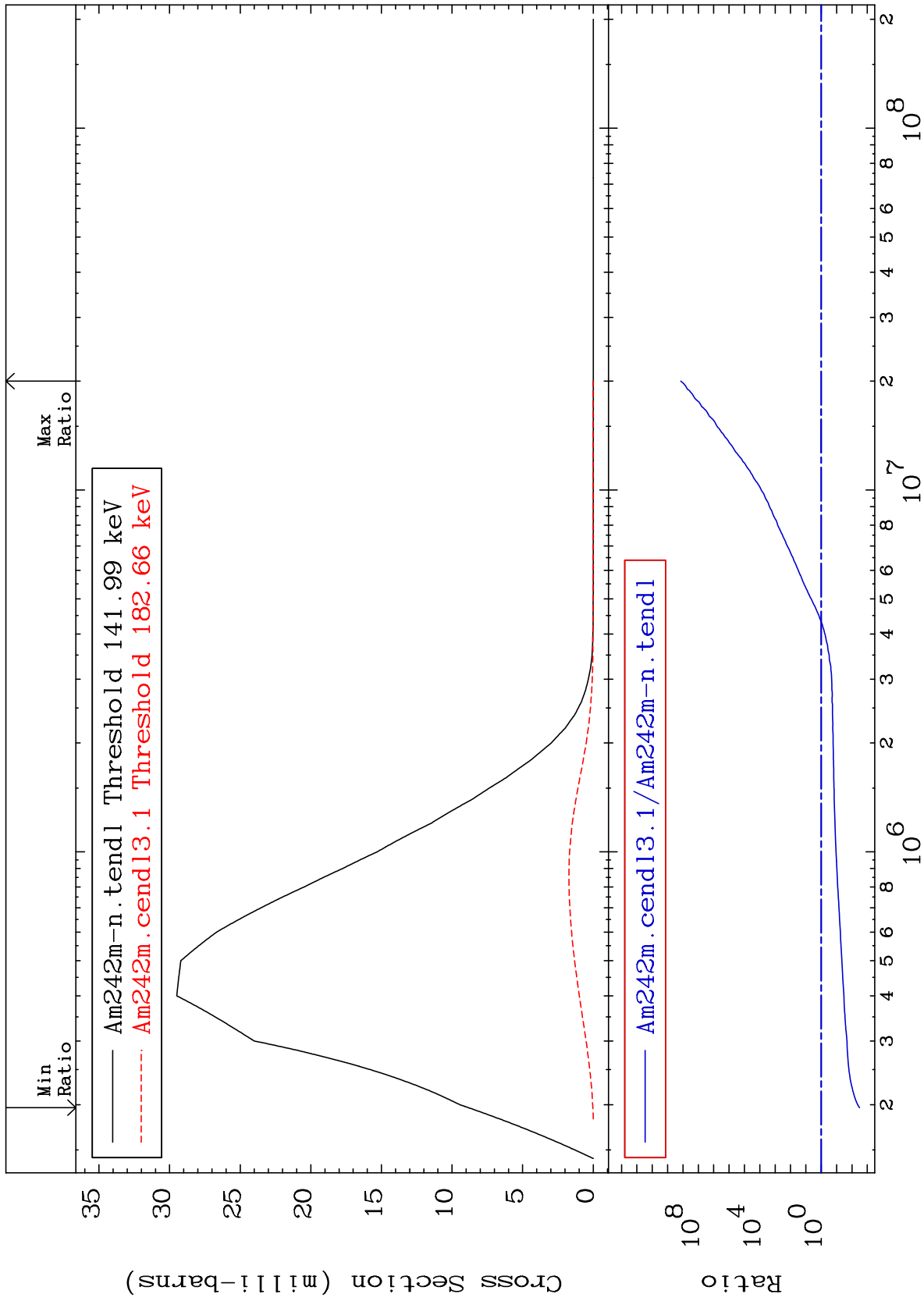


15

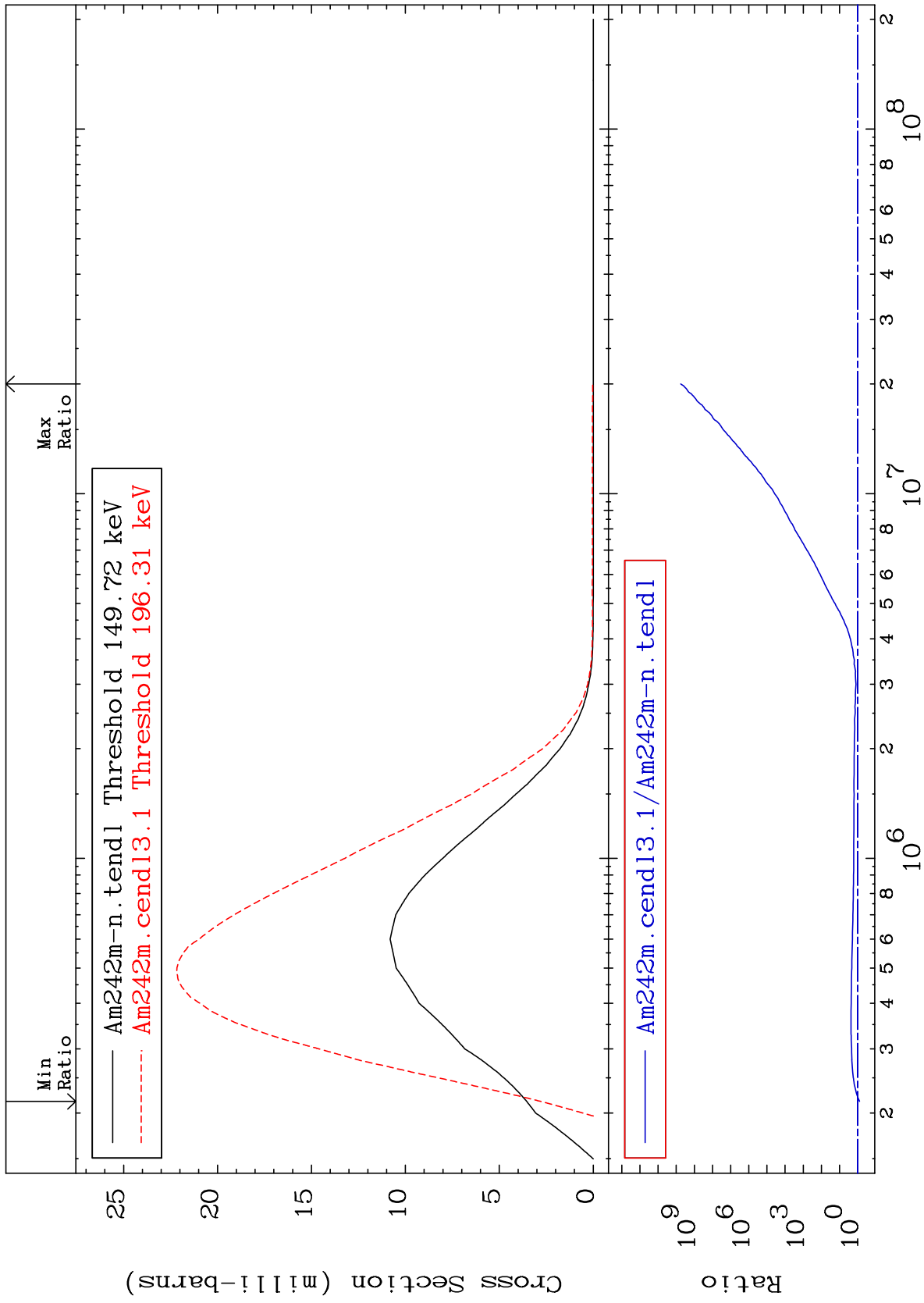
Incident Energy (eV)

95-Am-242

MAT 9547 190.0 keV (n,n') Level 95-Am-242  
 Cross Section -99.68 To 9999. %



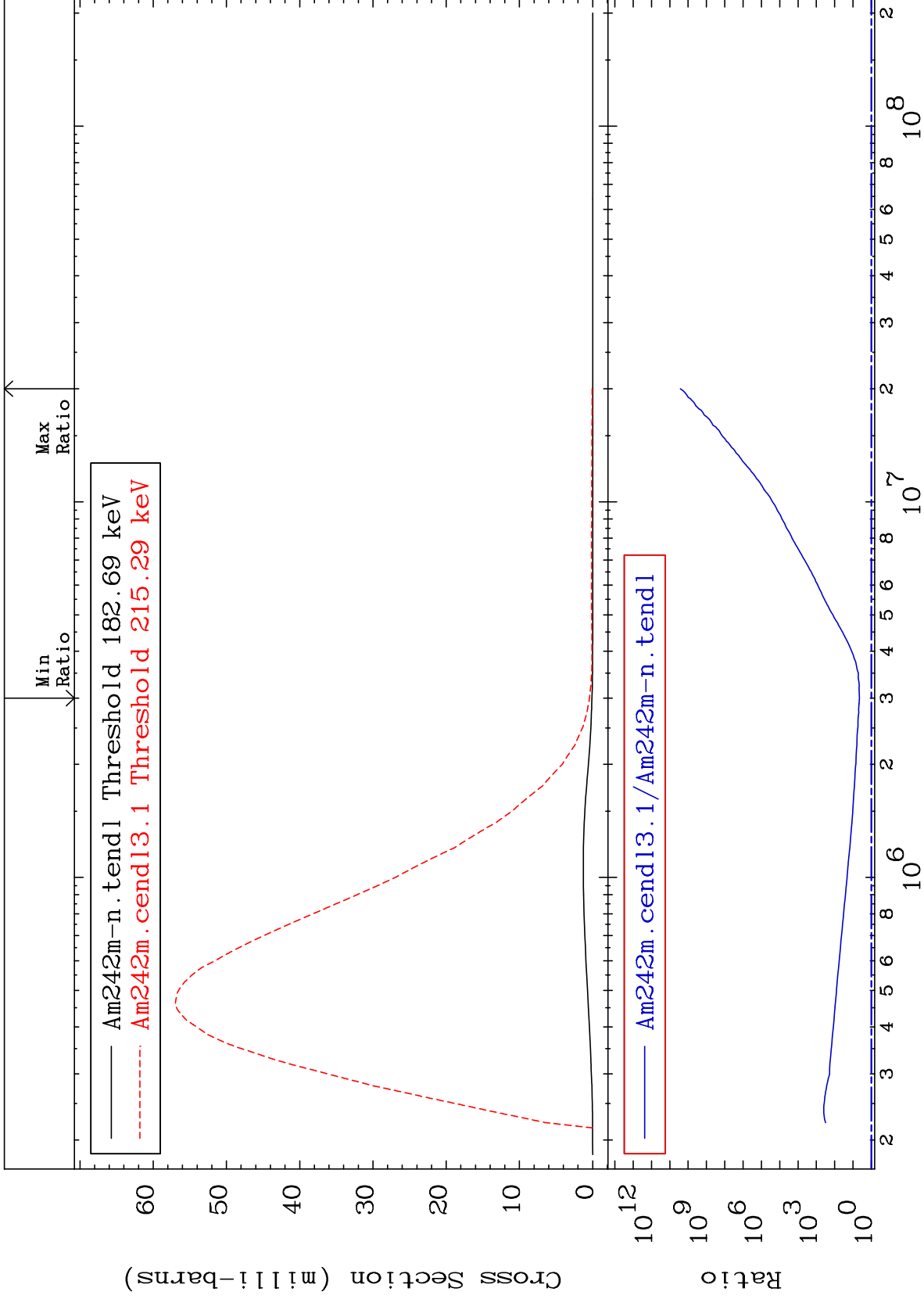
MAT 9547 197.7 keV (n,n') Level 95-Am-242  
 Cross Section -21.24 To 9999. %



MAT 9547

230.5 keV (n,n') Level  
Cross Section

95-Am-242  
344.0 To 9999. %



18

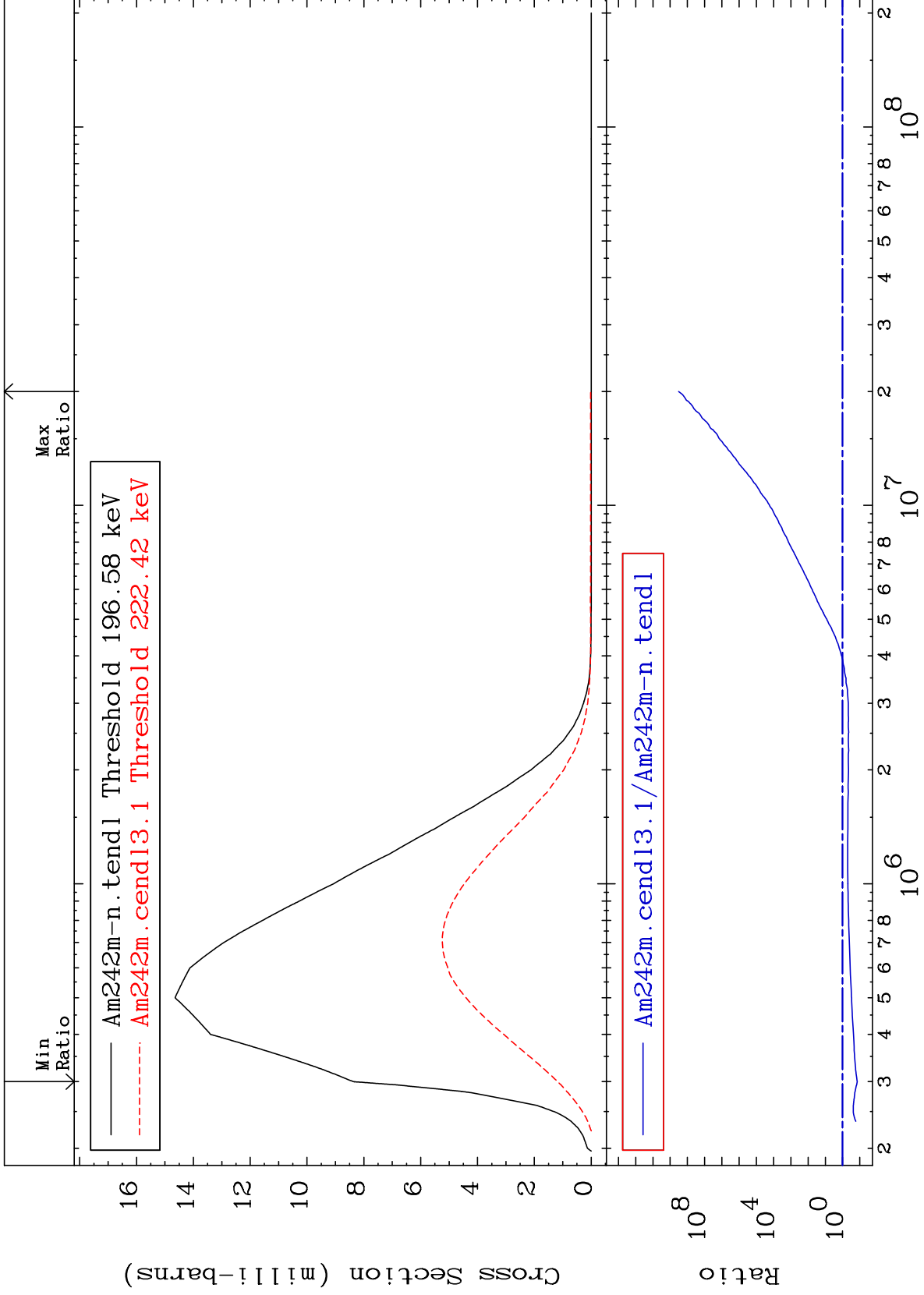
Incident Energy (eV)

95-Am-242

MAT 9547

244.4 keV (n,n') Level  
Cross Section

95-Am-242  
-85.93 To 9999. %

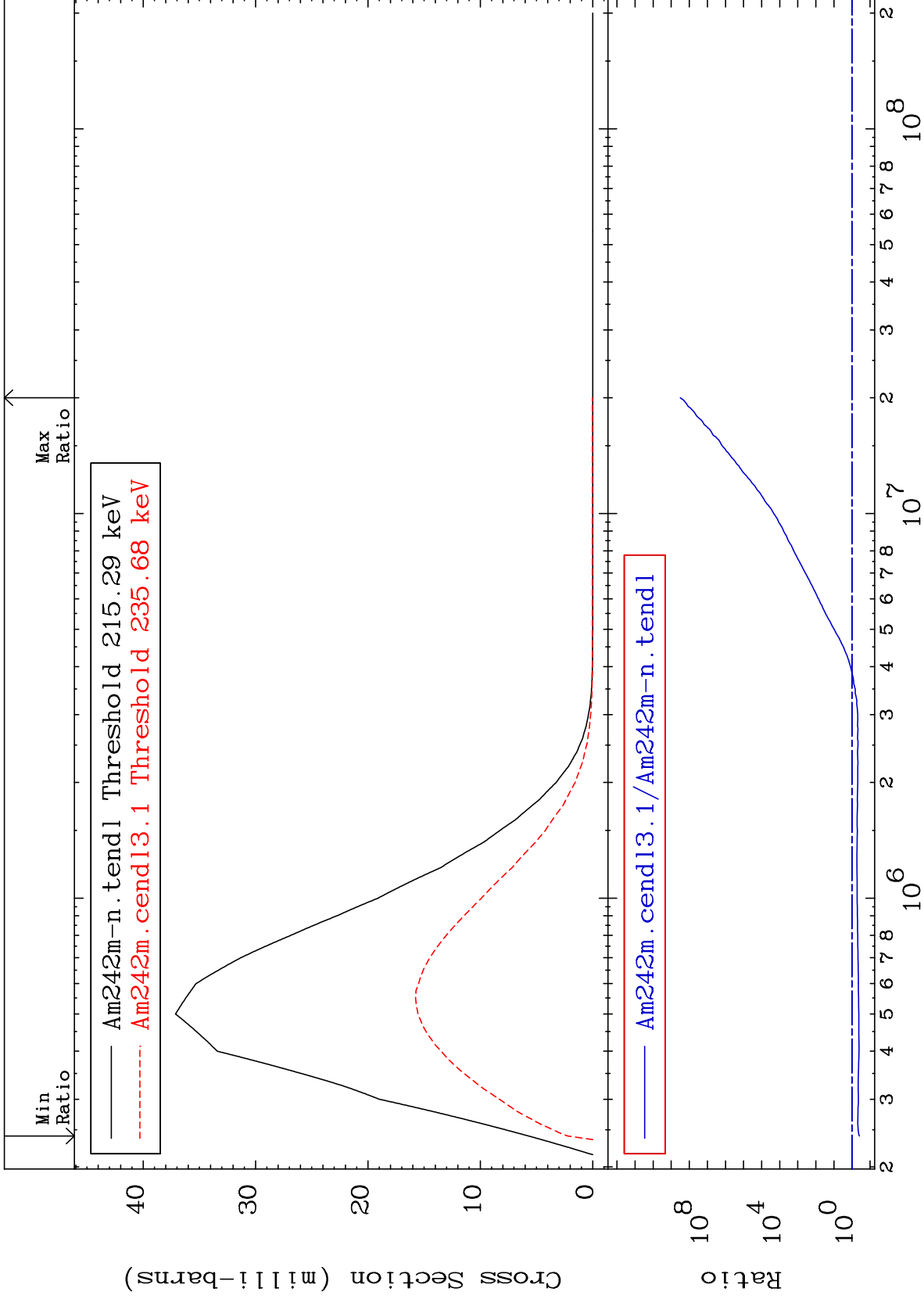




MAT 9547

263.0 keV (n,n') Level  
Cross Section

95-Am-242  
-61.28 To 9999. %



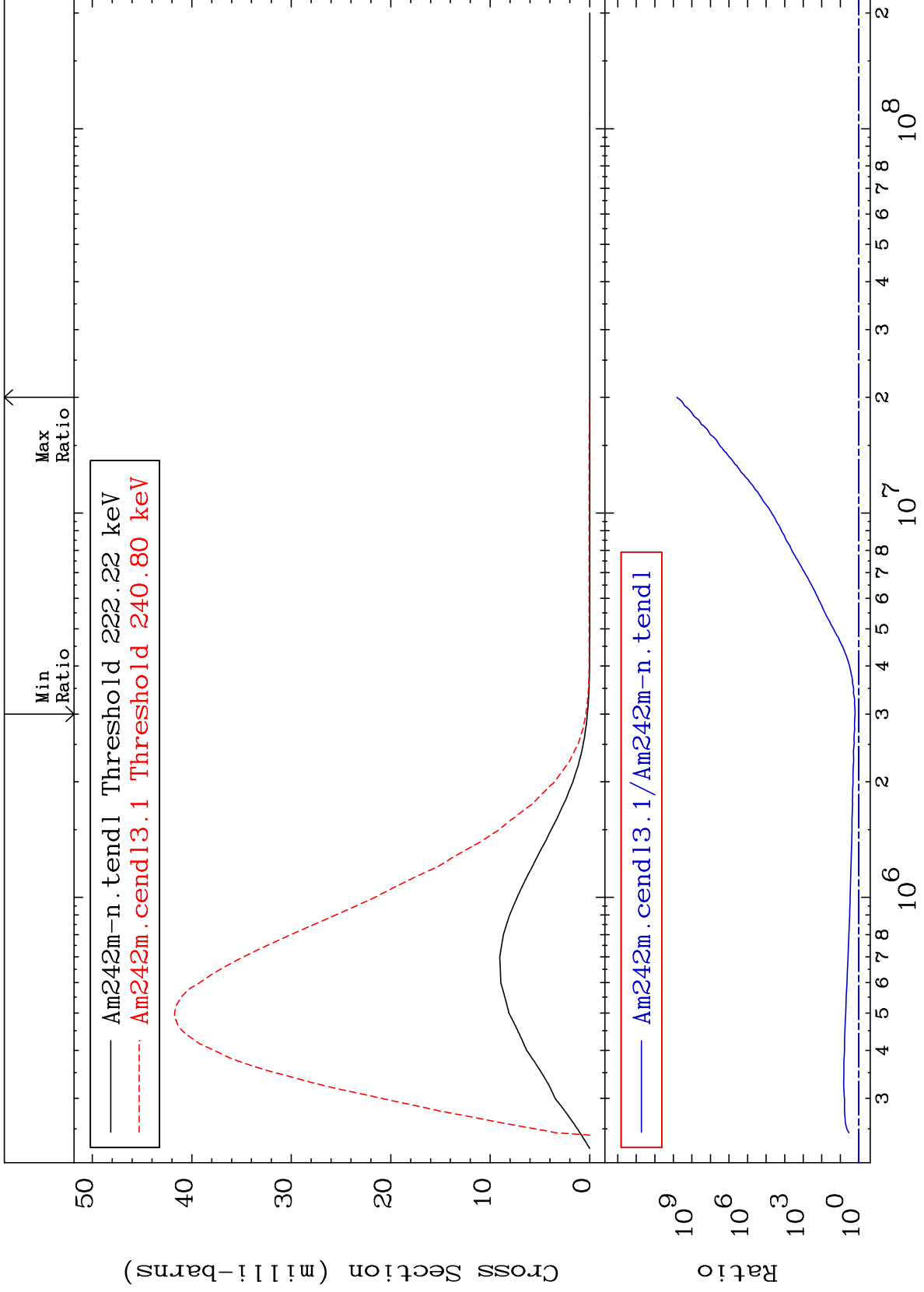
20

95-Am-242

MAT 9547

269.9 keV (n,n') Level  
Cross Section

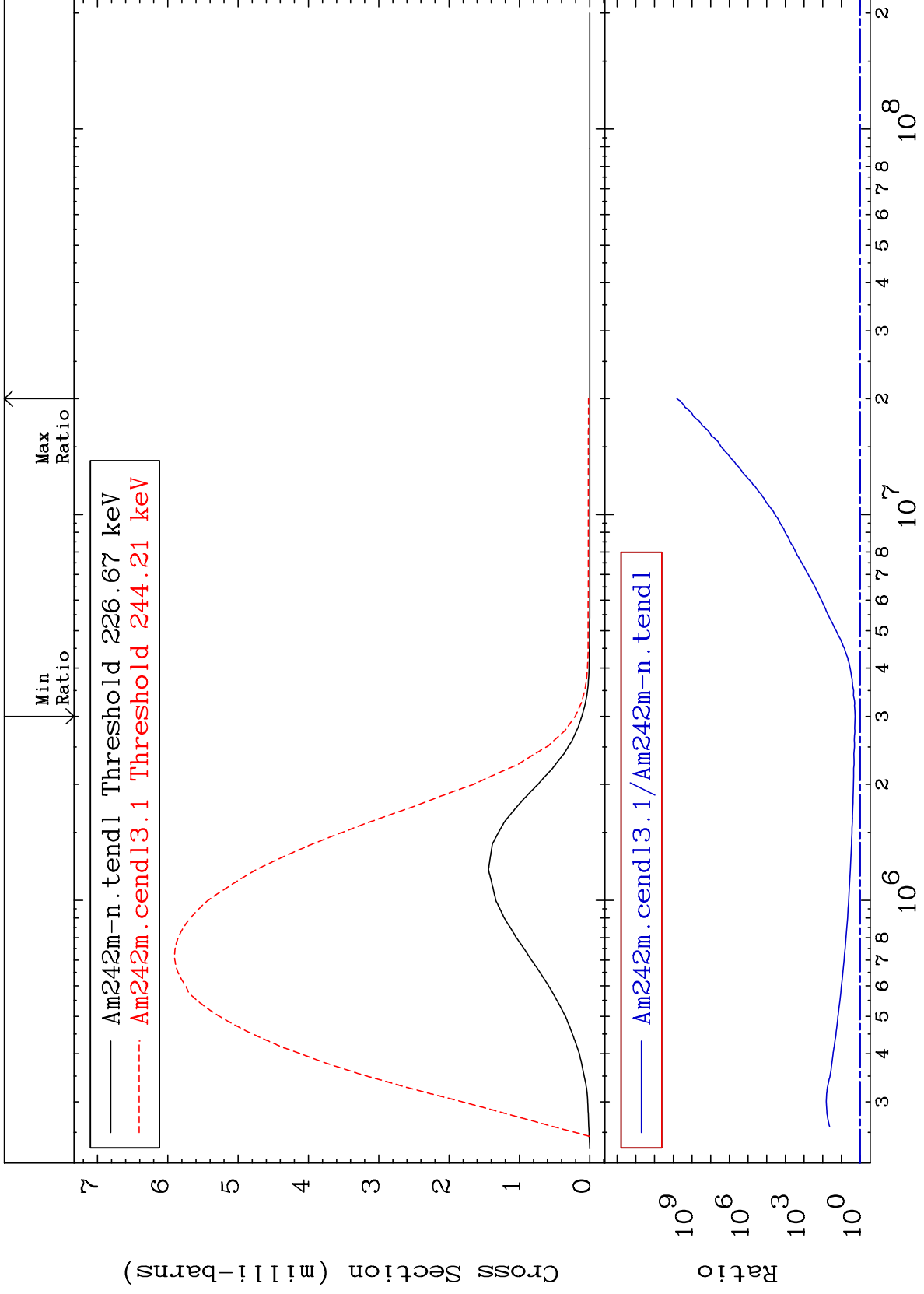
95-Am-242  
60.19 To 9999. %



MAT 9547

274.3 keV (n,n') Level  
Cross Section

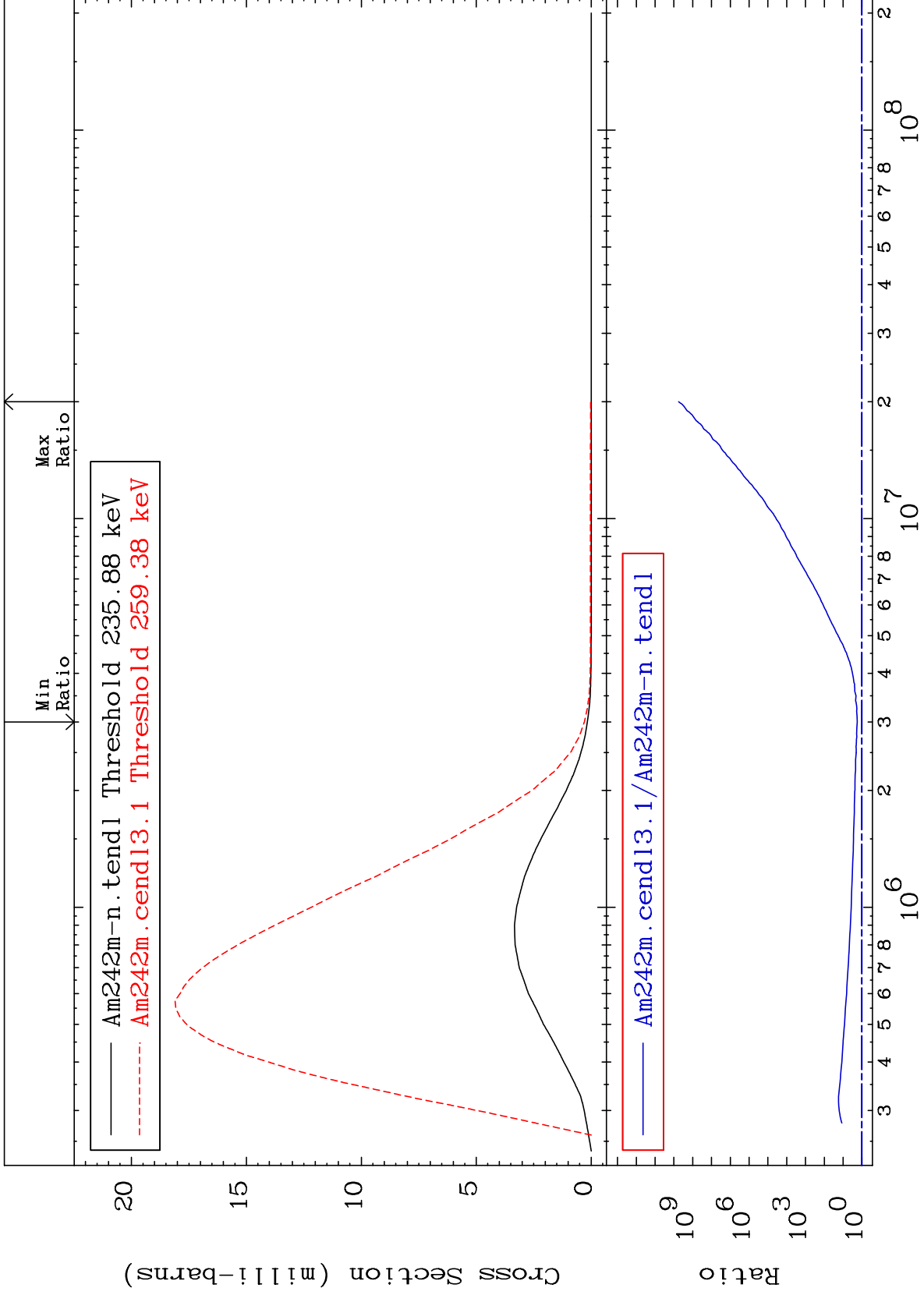
95-Am-242  
83.54 To 9999. %



MAT 9547

283.5 keV (n,n') Level  
Cross Section

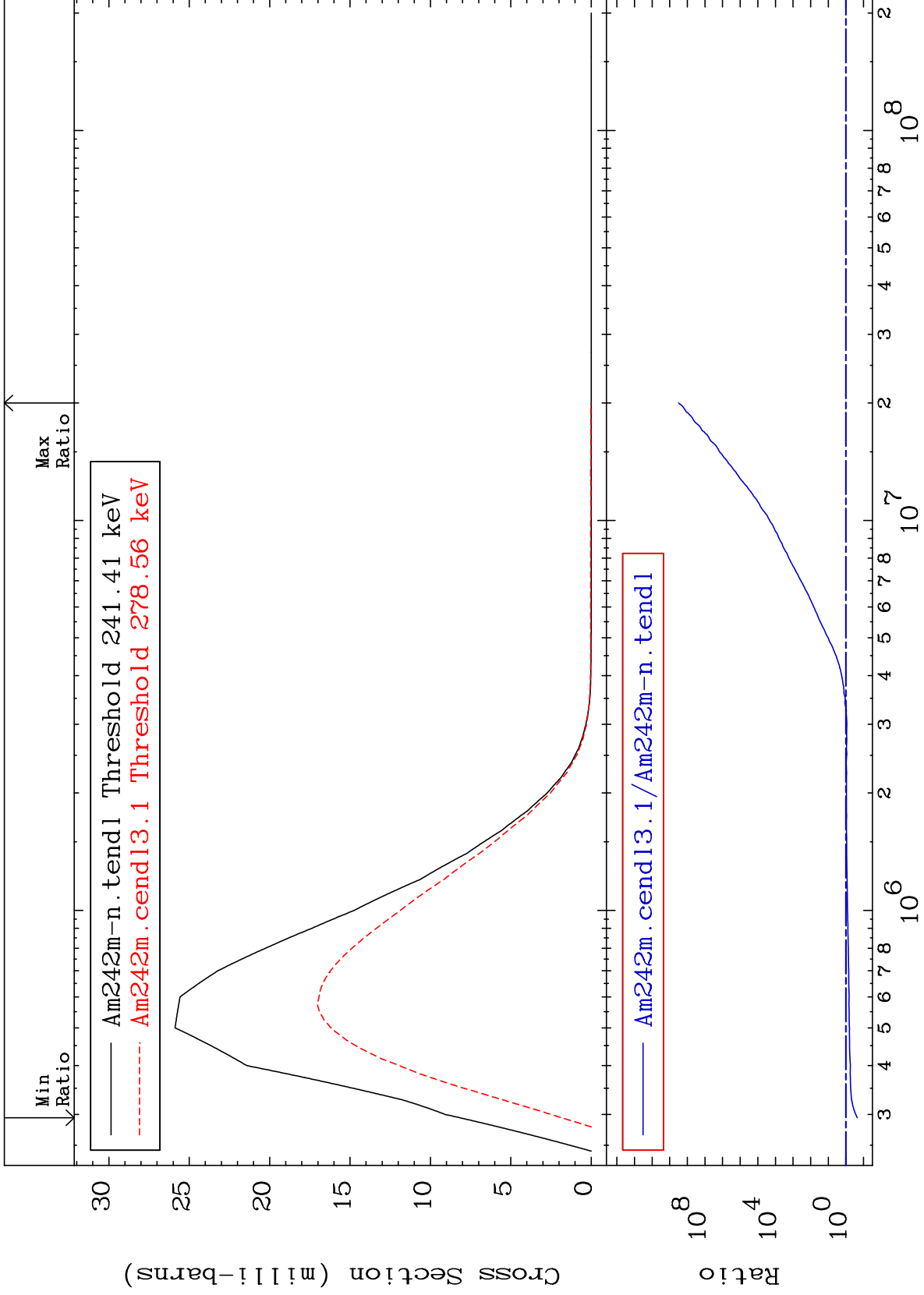
95-Am-242  
77.15 To 9999. %



MAT 9547

289.0 keV (n,n') Level  
Cross Section

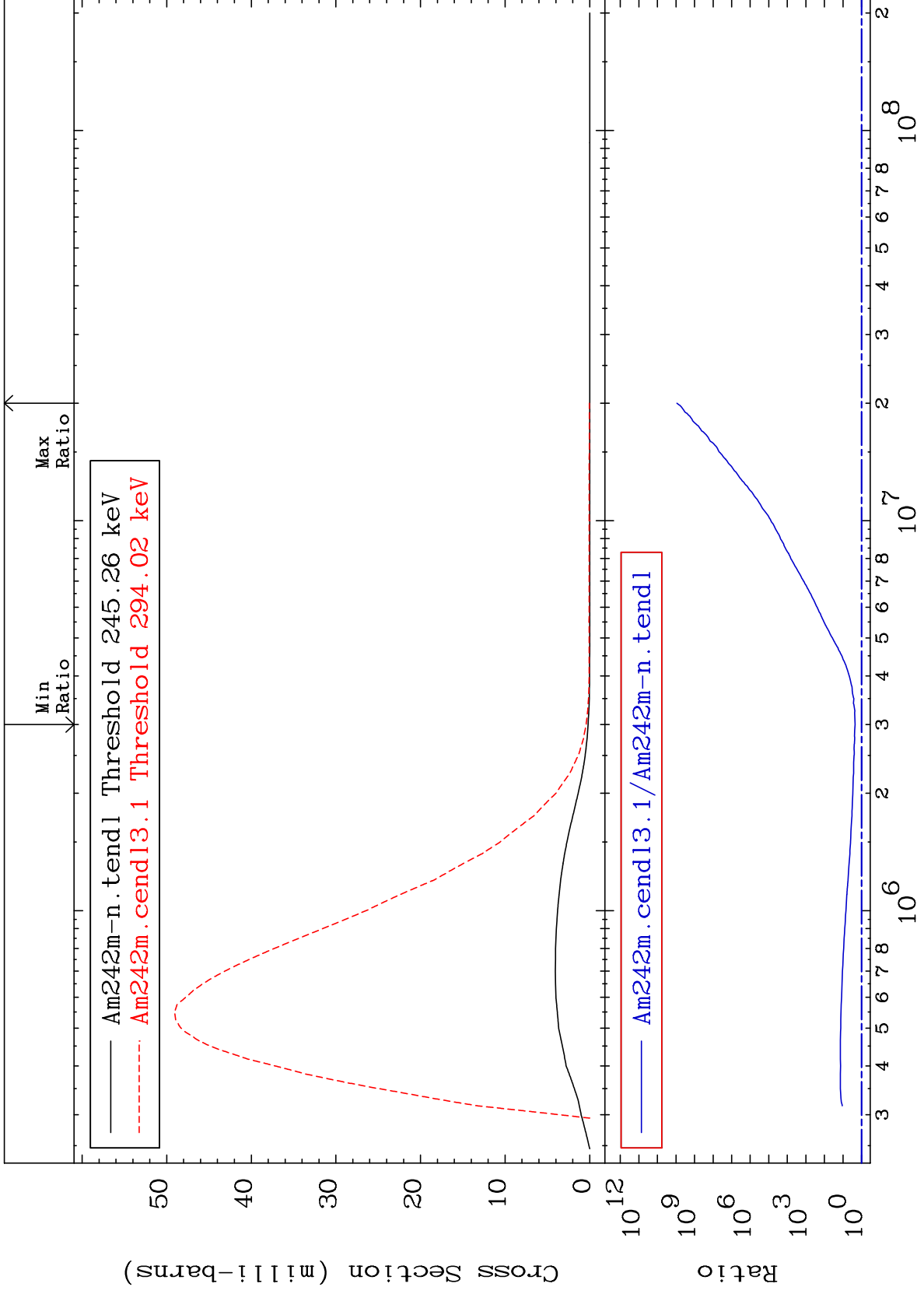
95-Am-242  
-77.39 To 9999. %



MAT 9547

292.8 keV (n,n') Level  
Cross Section

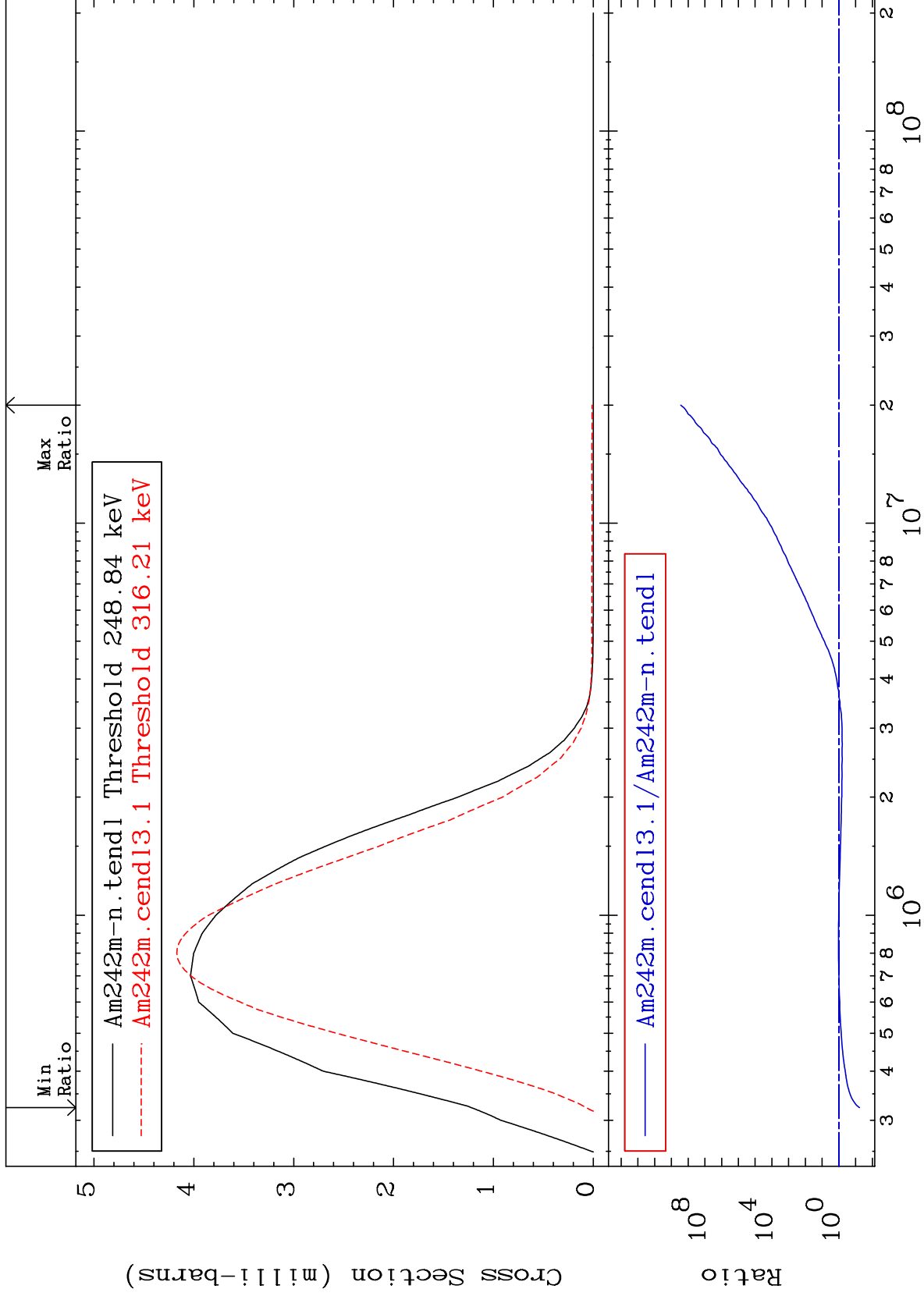
95-Am-242  
123.0 To 9999. %



MAT 9547

296.4 keV (n,n') Level  
Cross Section

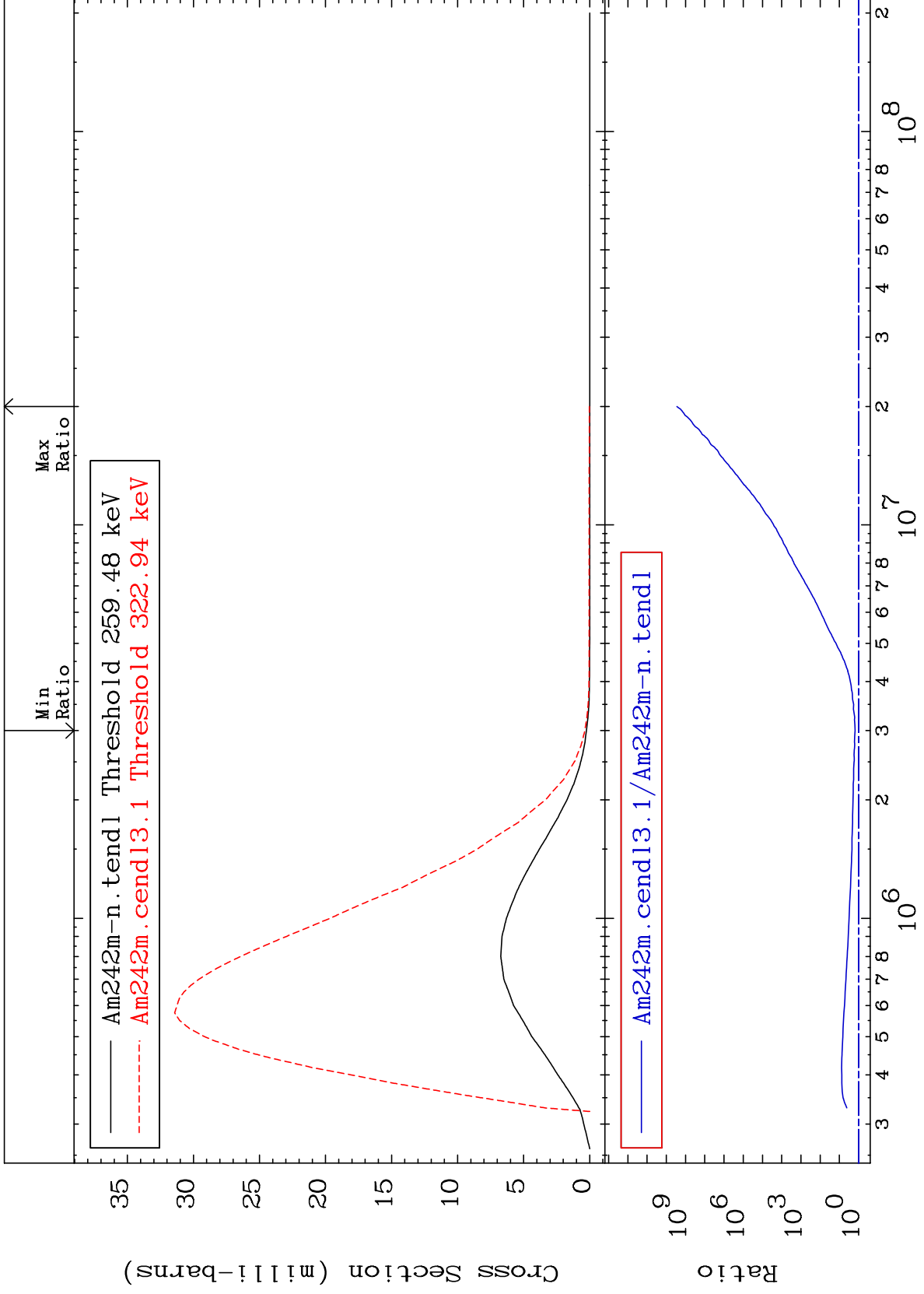
95-Am-242  
-94.19 To 9999. %



MAT 9547

307.0 keV (n,n') Level  
Cross Section

95-Am-242  
52.95 To 9999. %

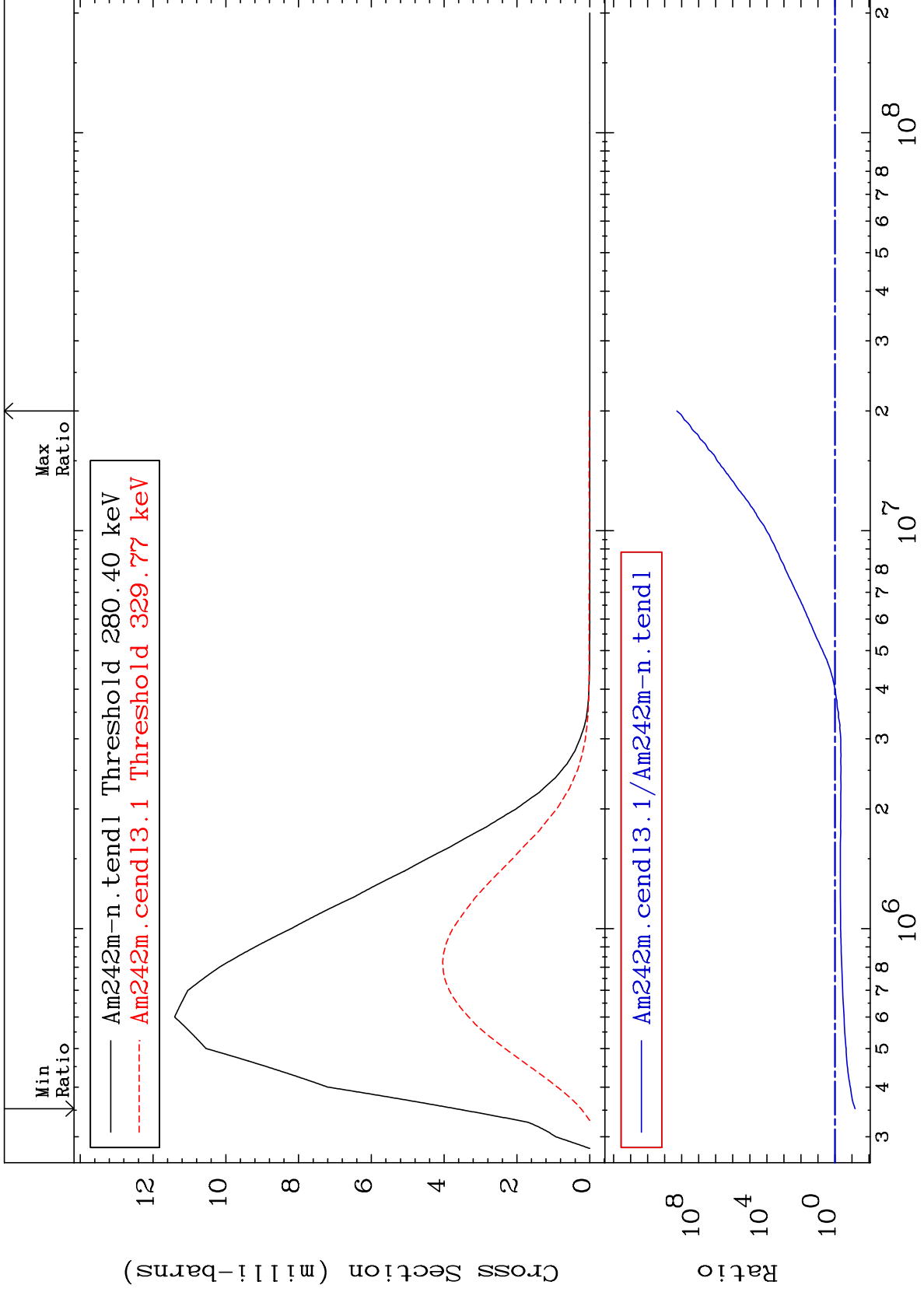




MAT 9547

327.8 keV (n,n') Level  
Cross Section

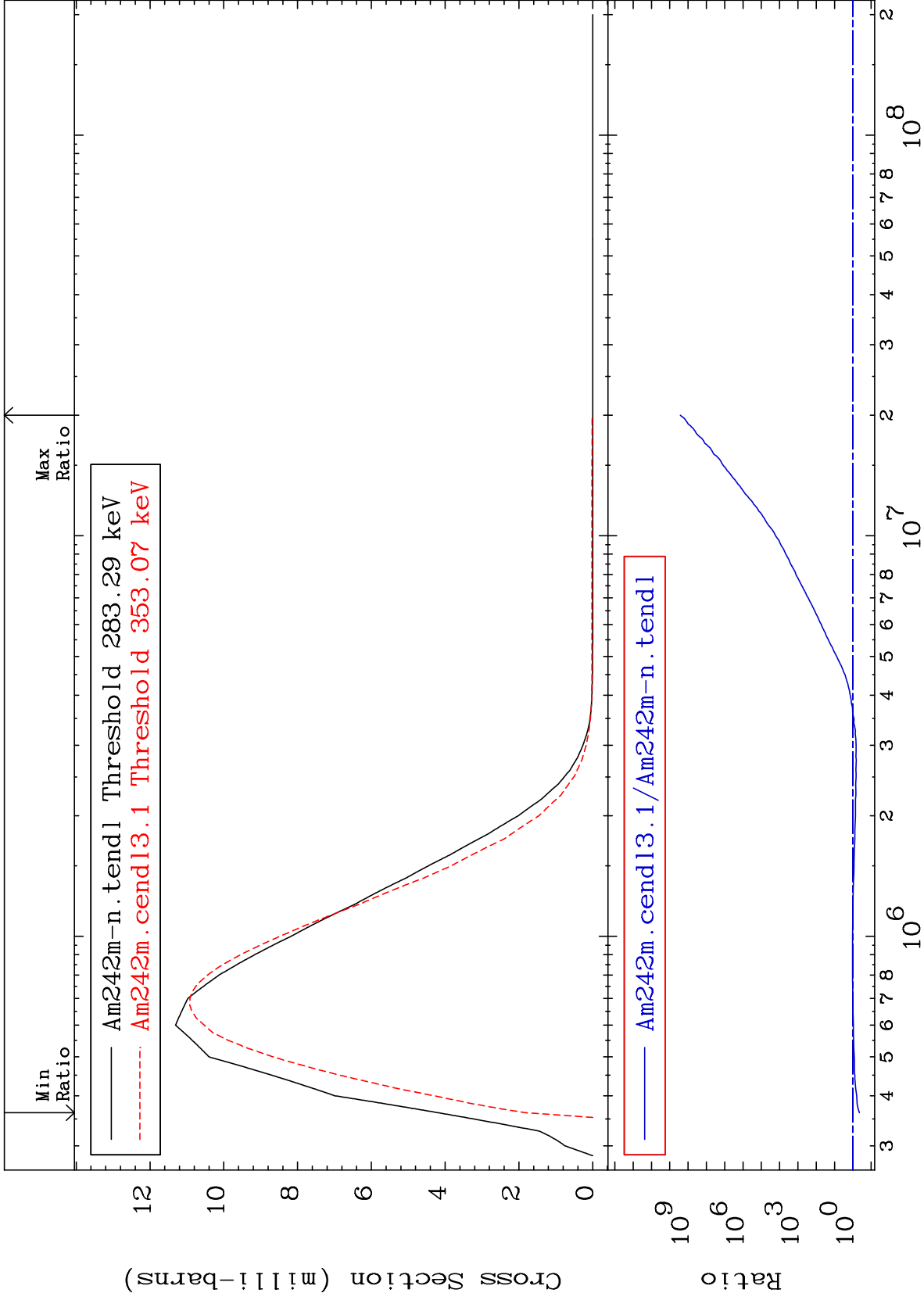
95-Am-242  
-93.49 To 9999. %



MAT 9547

330.7 keV (n,n') Level  
Cross Section

95-Am-242  
-56.38 To 9999. %



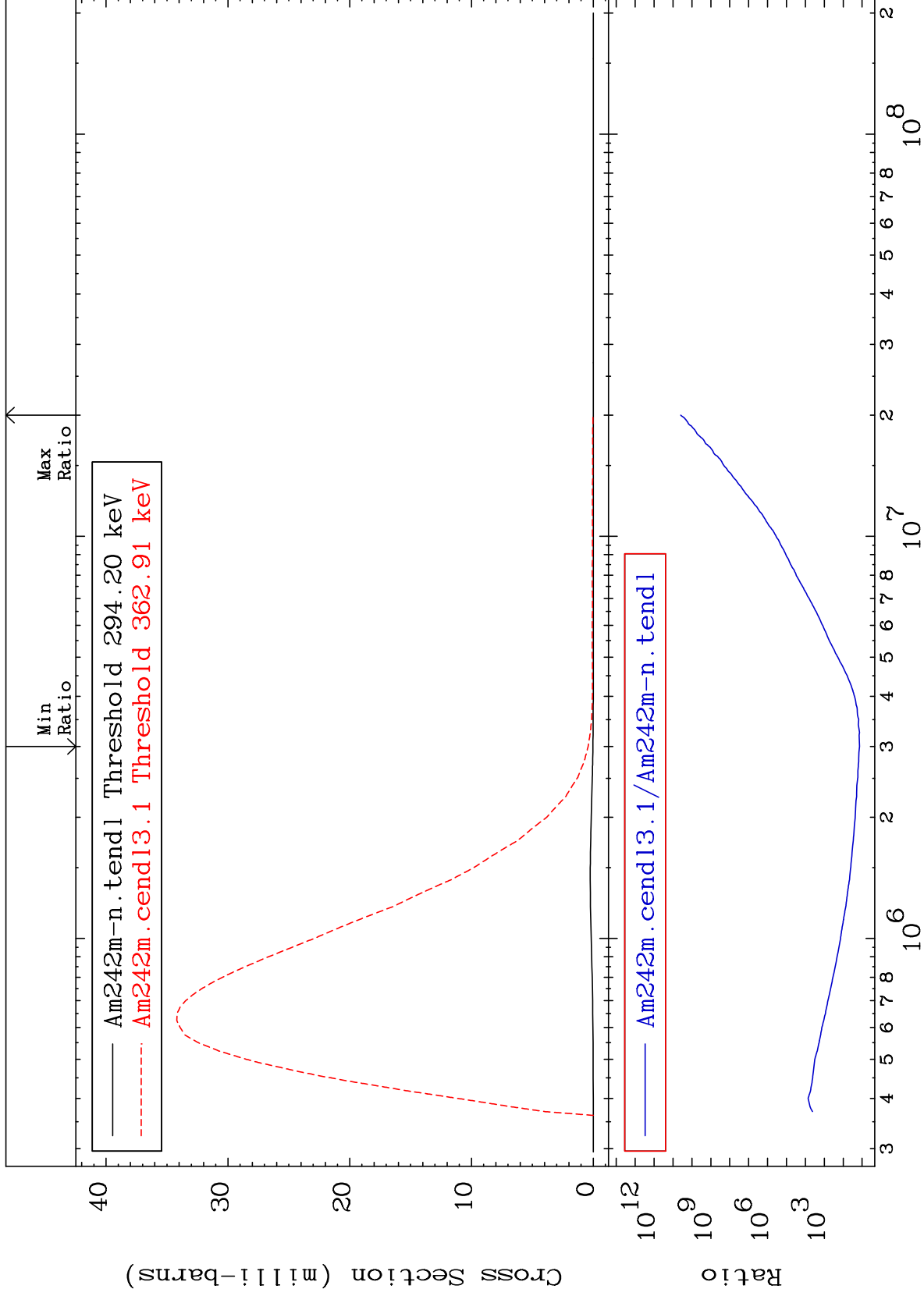
MAT 9547

341.6 keV (n,n') Level

95-Am-242

Cross Section

1269. To 9999. %



30

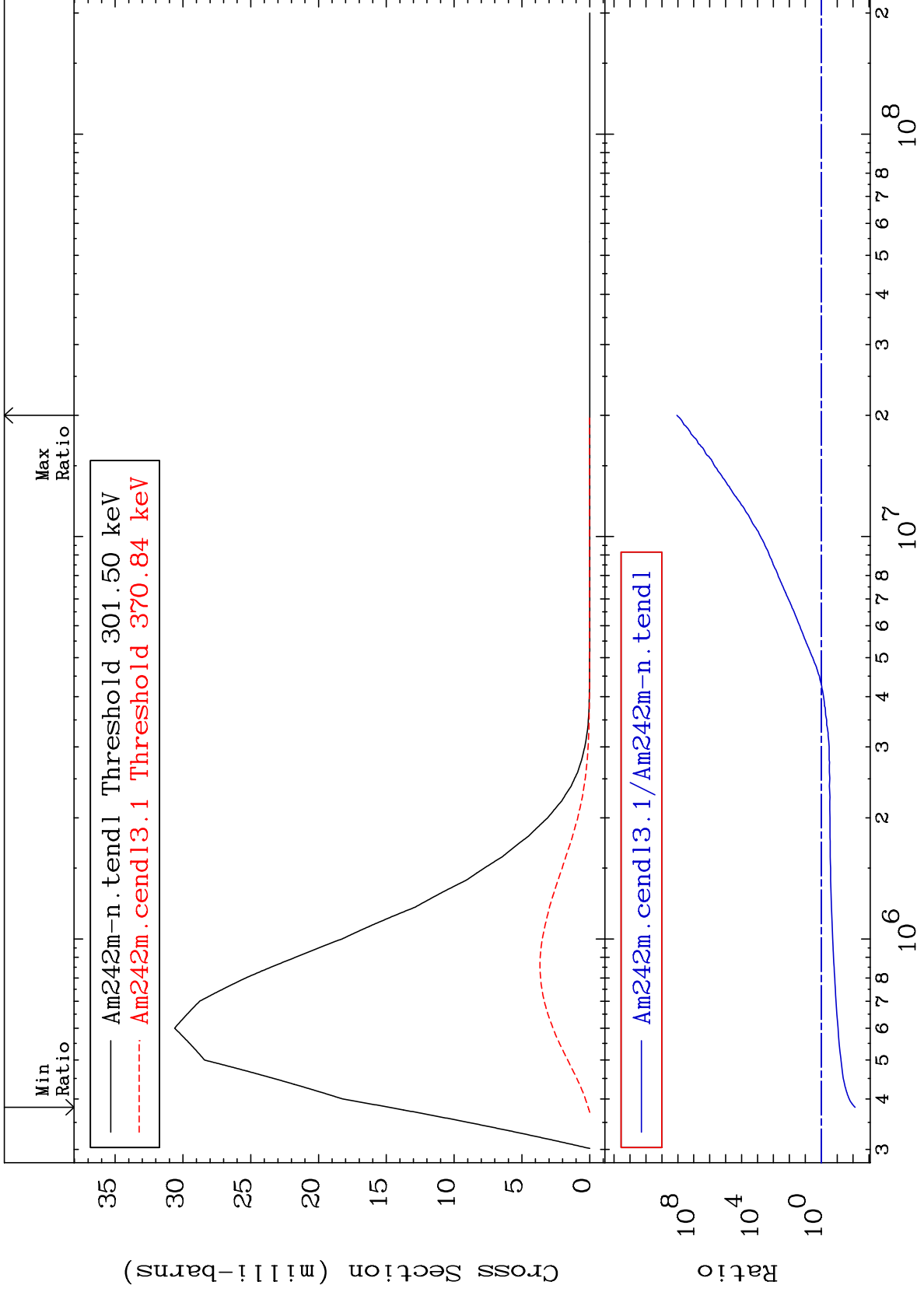
Incident Energy (eV)

95-Am-242

MAT 9547

348.8 keV (n,n') Level  
Cross Section

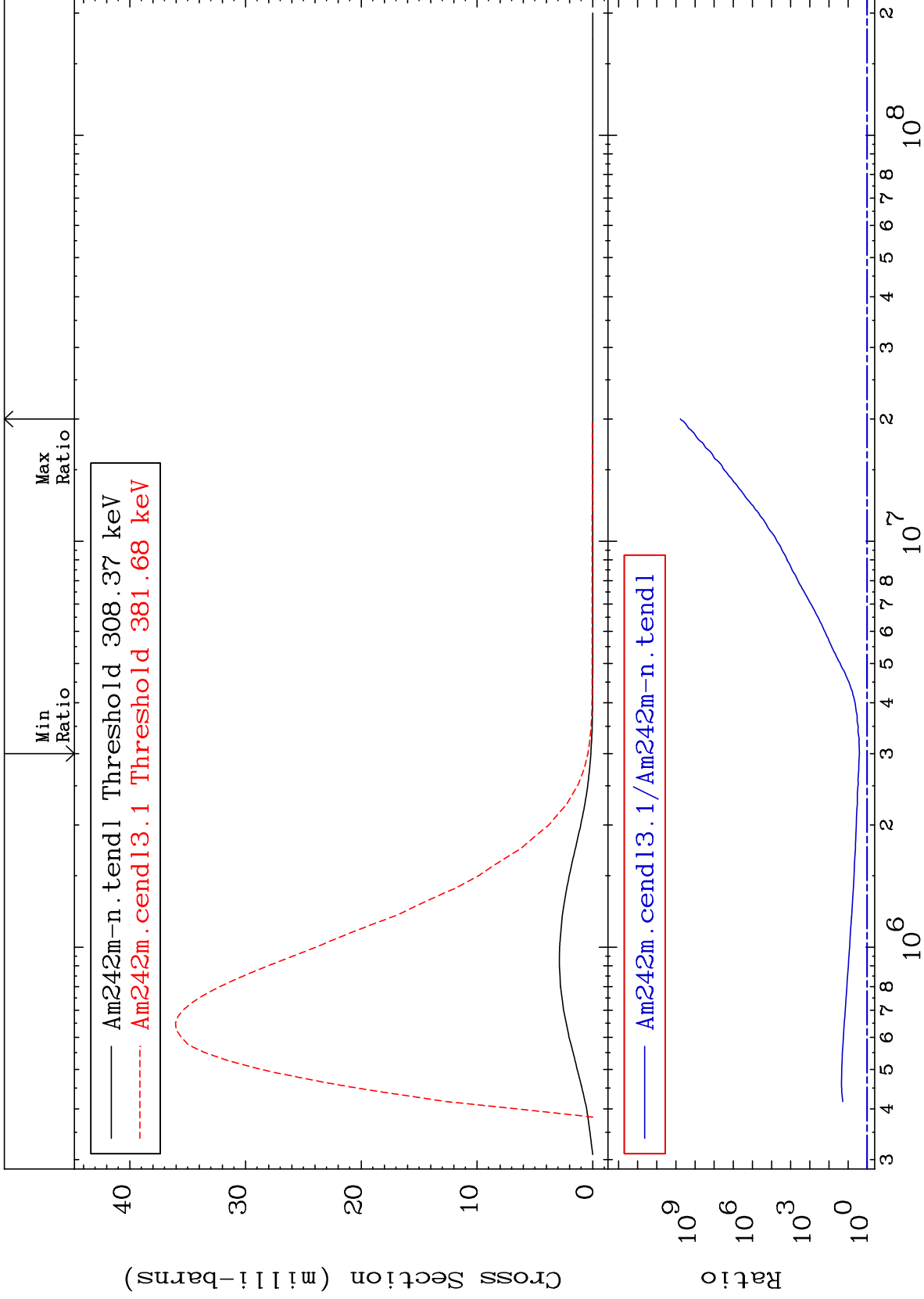
95-Am-242  
-99.25 To 9999. %



MAT 9547

355.7 keV (n,n') Level  
Cross Section

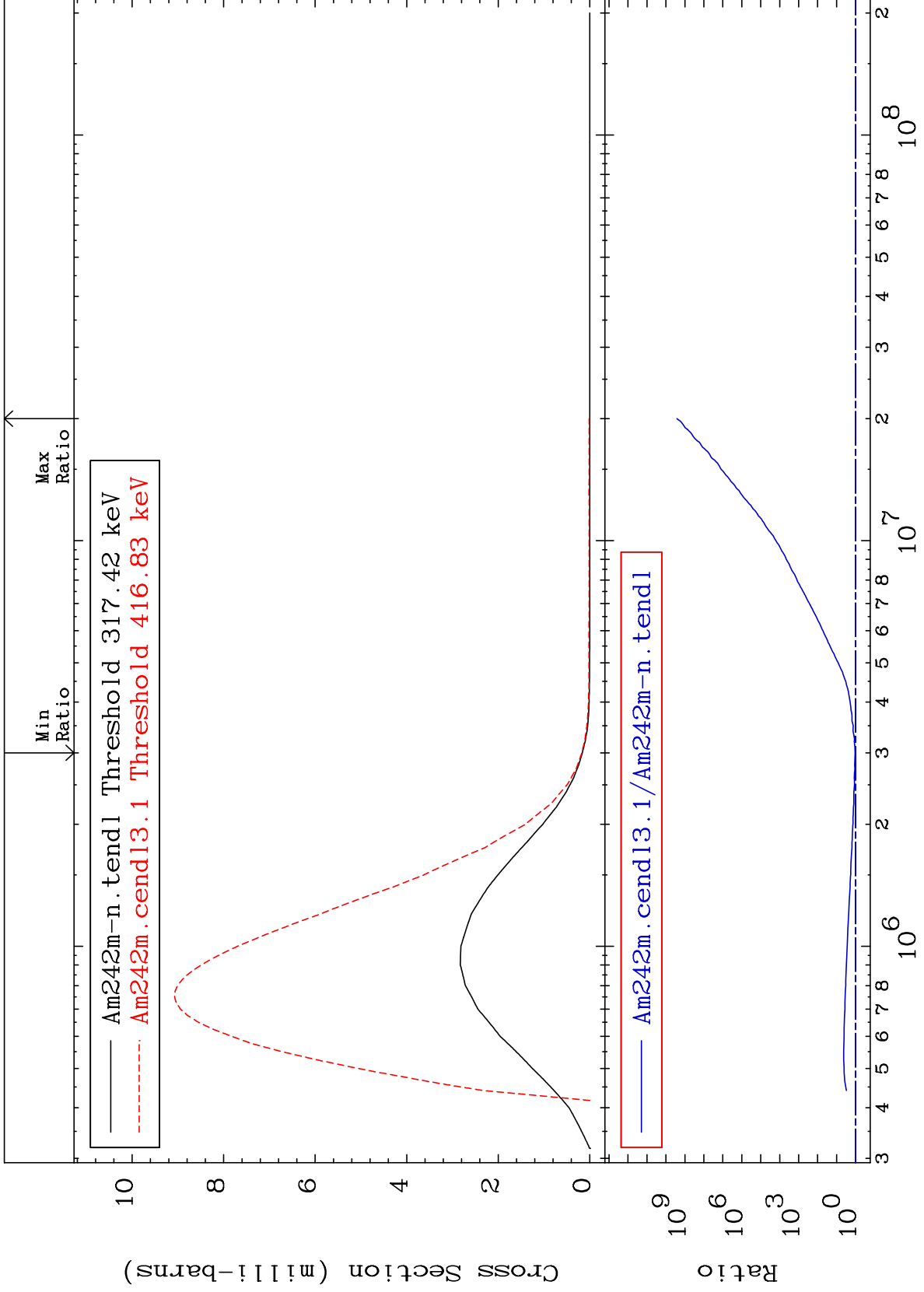
95-Am-242  
155.1 To 9999. %



MAT 9547

364.7 keV (n,n') Level  
Cross Section

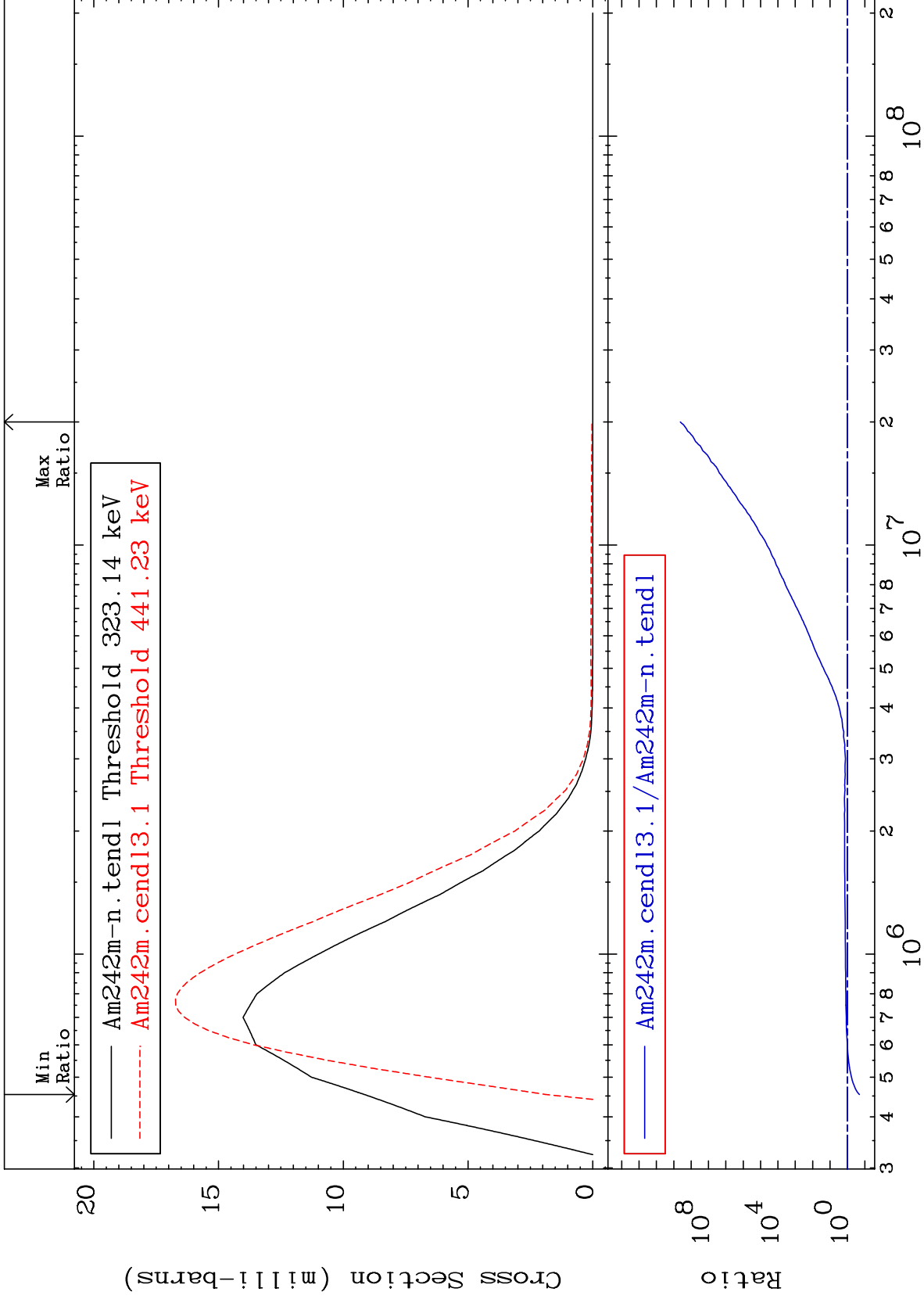
95-Am-242  
5.290 To 9999. %



MAT 9547

370.4 keV (n,n') Level  
Cross Section

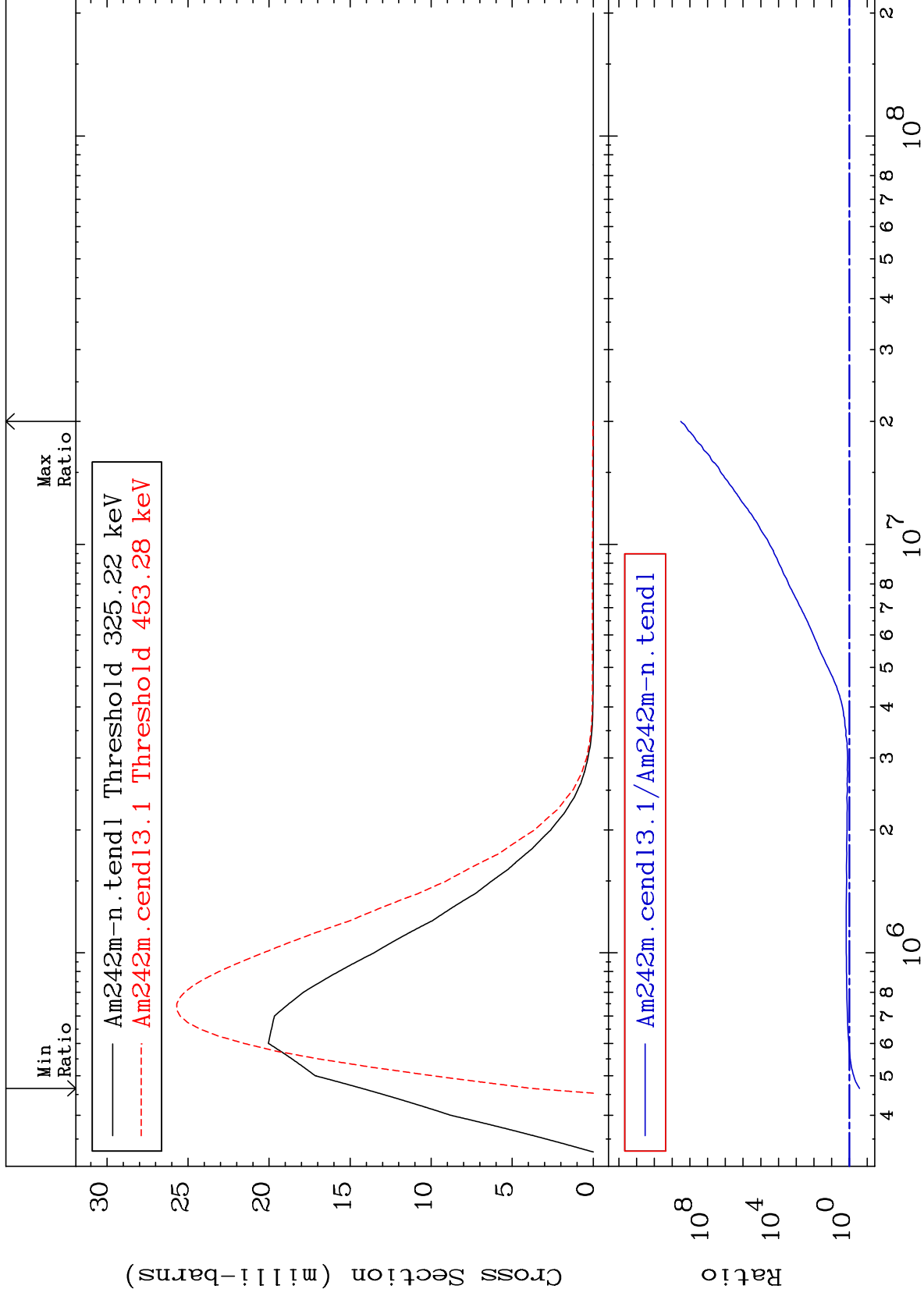
95-Am-242  
-79.71 To 9999. %



MAT 9547

372.5 keV (n,n') Level  
Cross Section

95-Am-242  
-73.06 To 9999. %

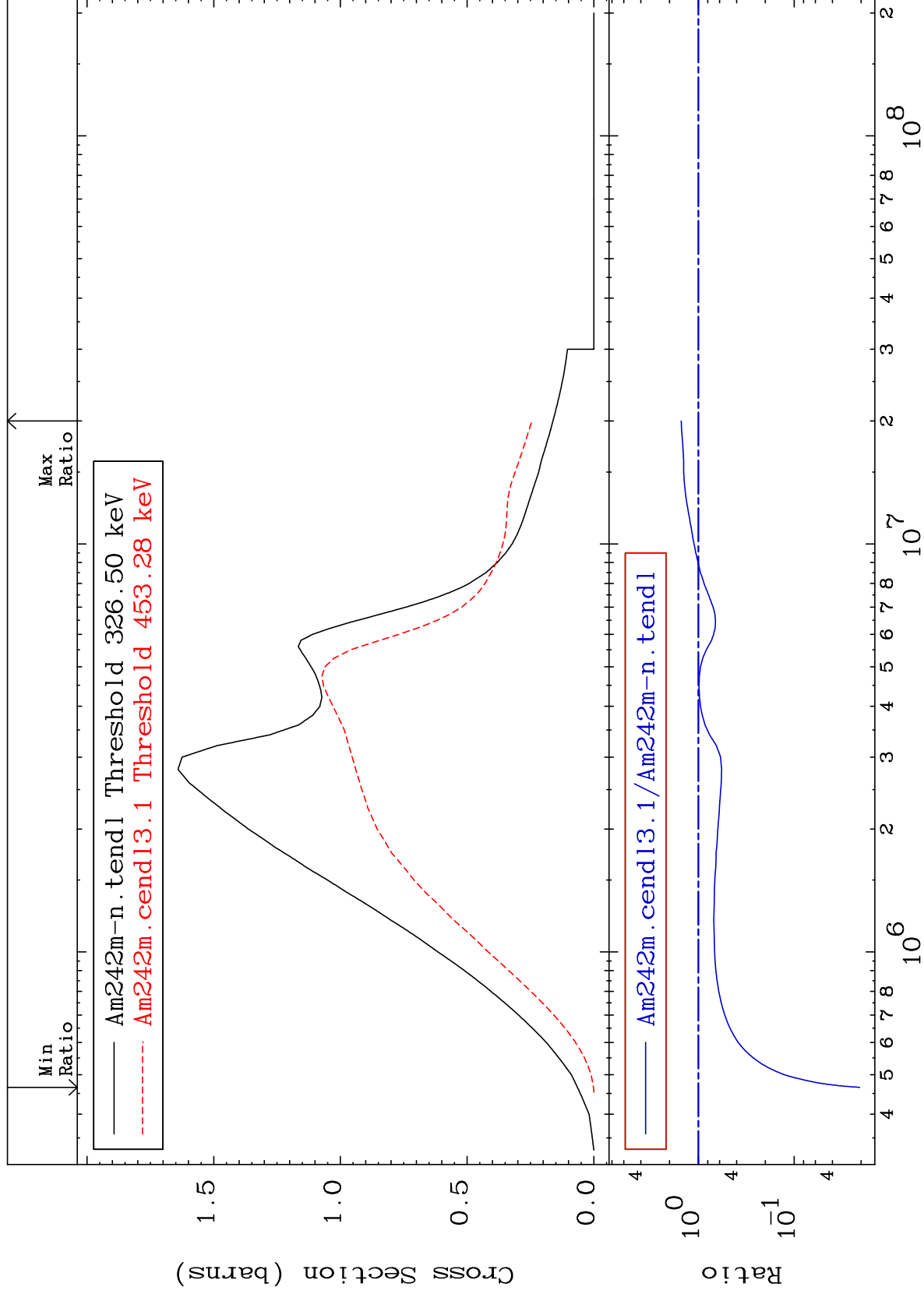




MAT 9547

(n, n') Continuum  
Cross Section

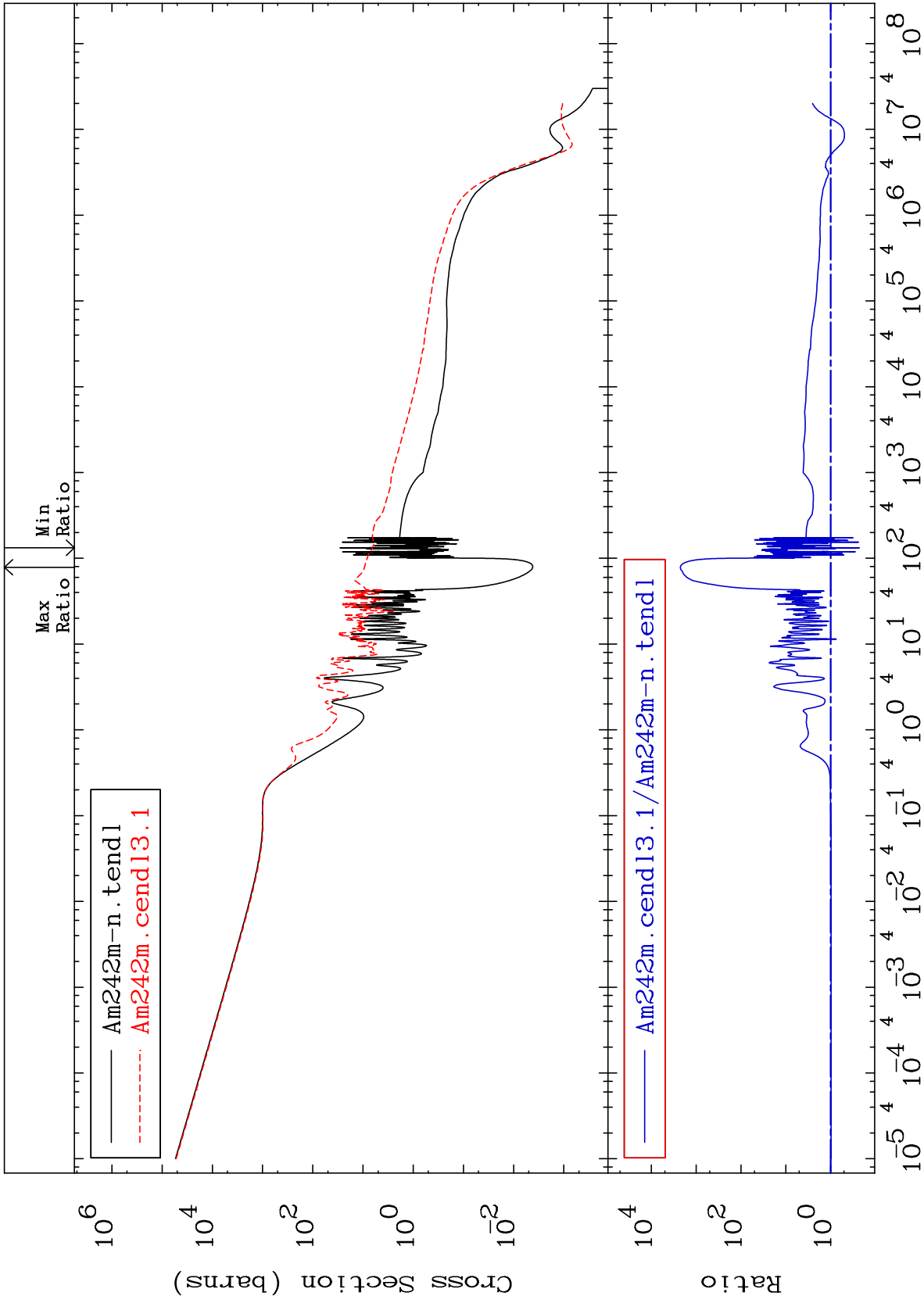
95-Am-242  
-97.93 To 51.31 %



MAT 9547

(n,  $\gamma$ )  
Cross Section

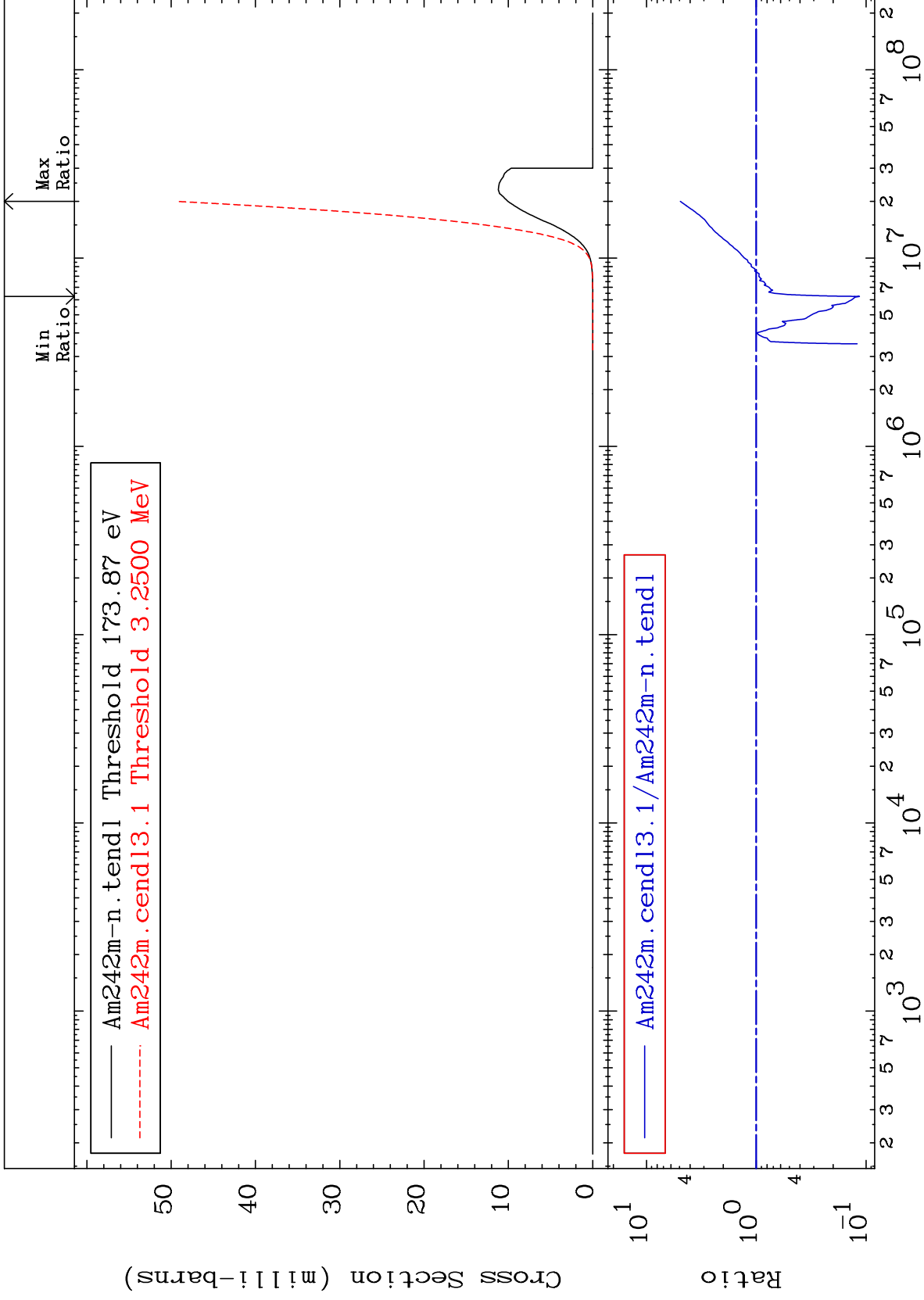
95-Am-242  
-77.31 To 9999. %



MAT 9547

(n, p)  
Cross Section

95-Am-242  
-88.49 To 391.5 %

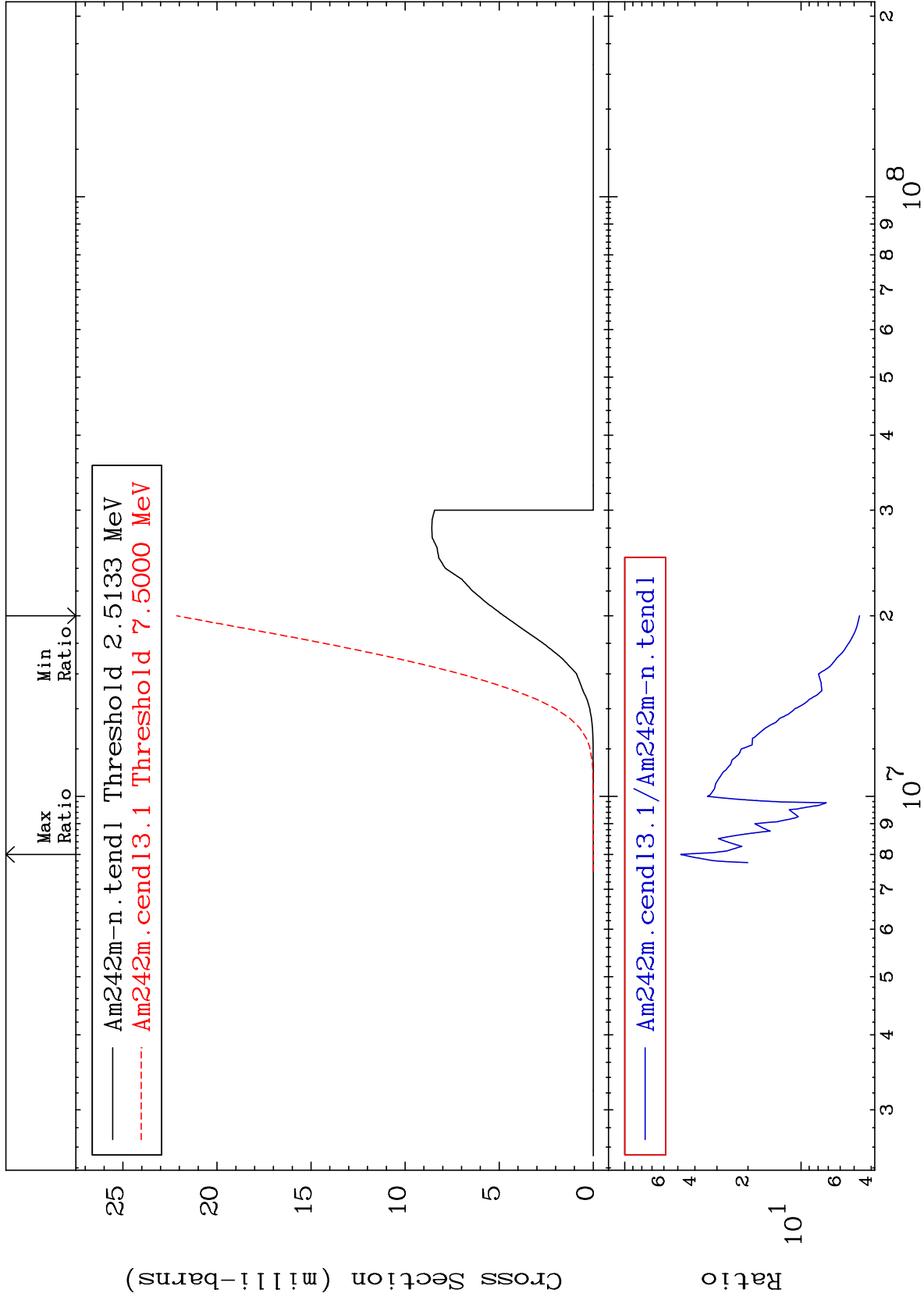


MAT 9547

95-Am-242

366.1 To 4713. %

(n, d)  
Cross Section



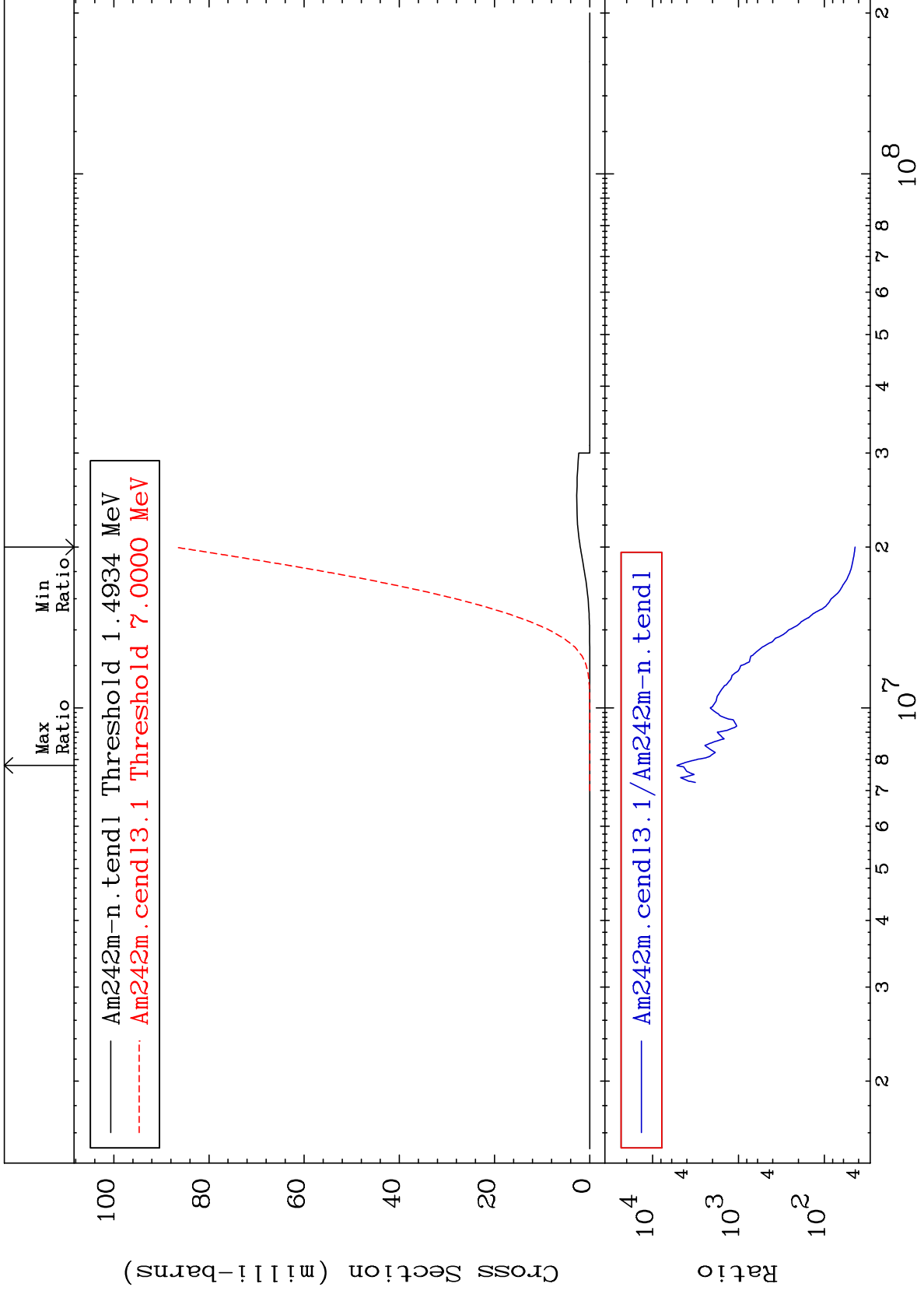
39

Incident Energy (eV)

95-Am-242

MAT 9547

(n, t)  
Cross Section  
4288. To 9999. %  
95-Am-242



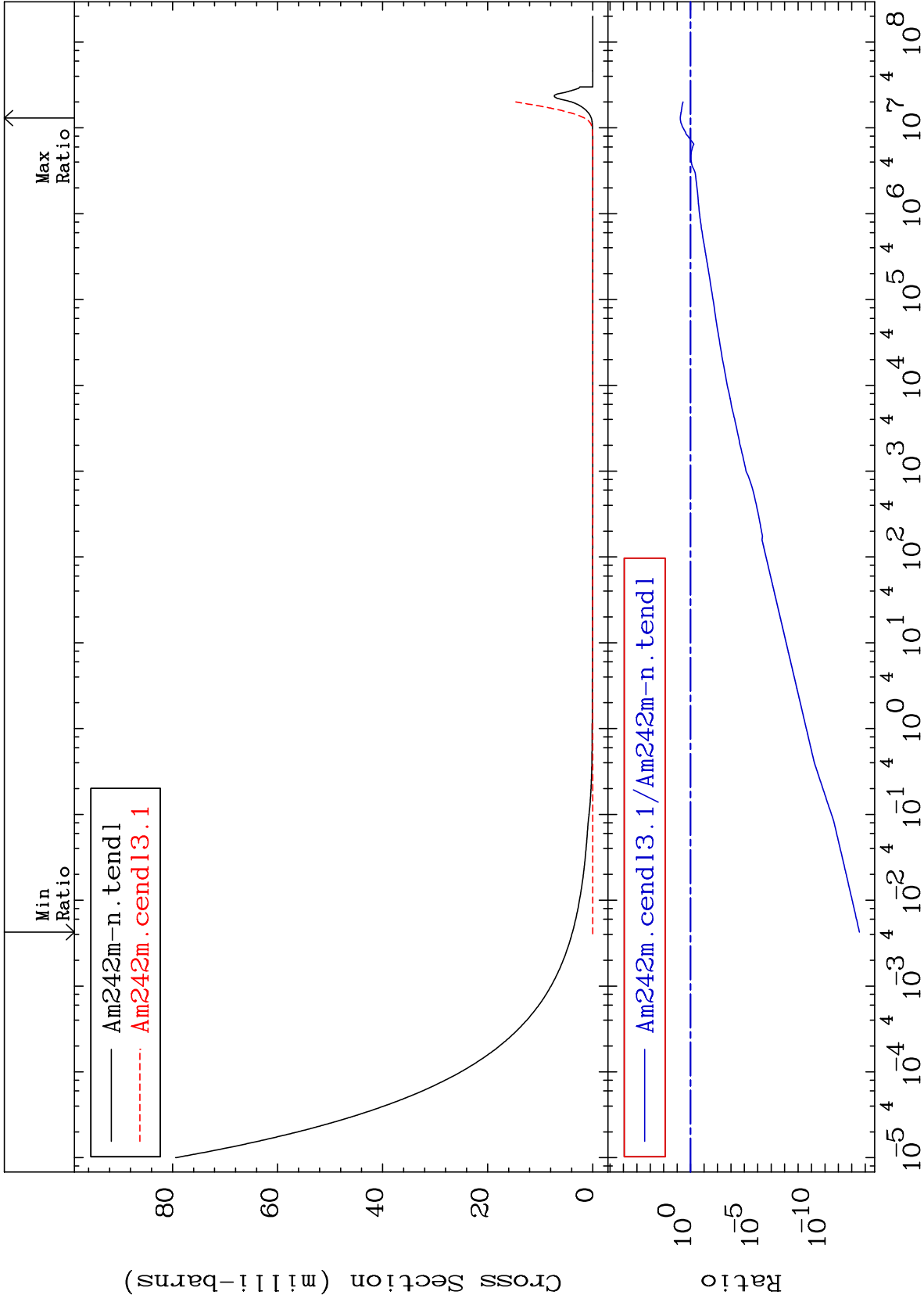
MAT 9547

(n,  $\alpha$ )

95-Am-242

Cross Section

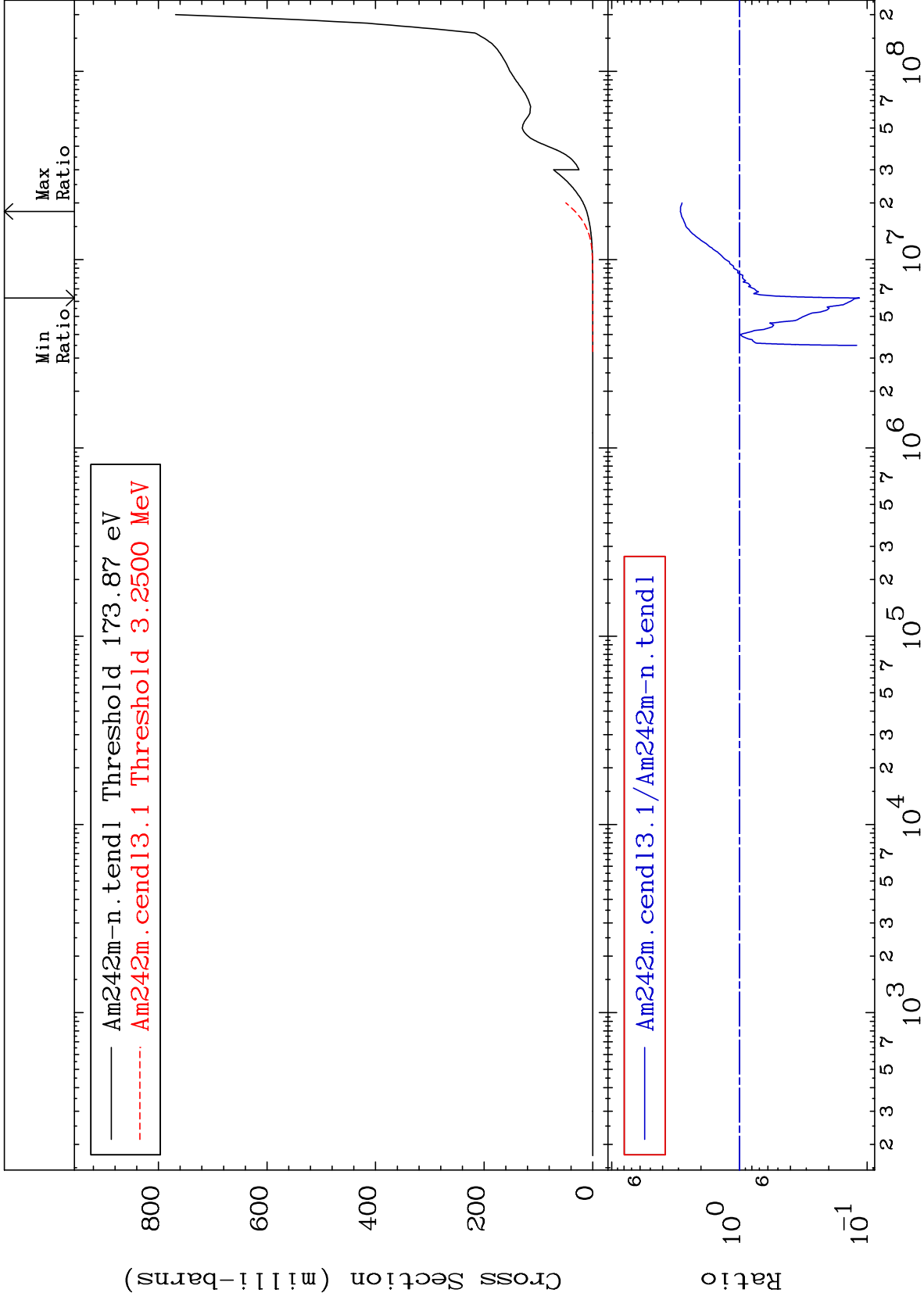
-100.0 To 477.0 %

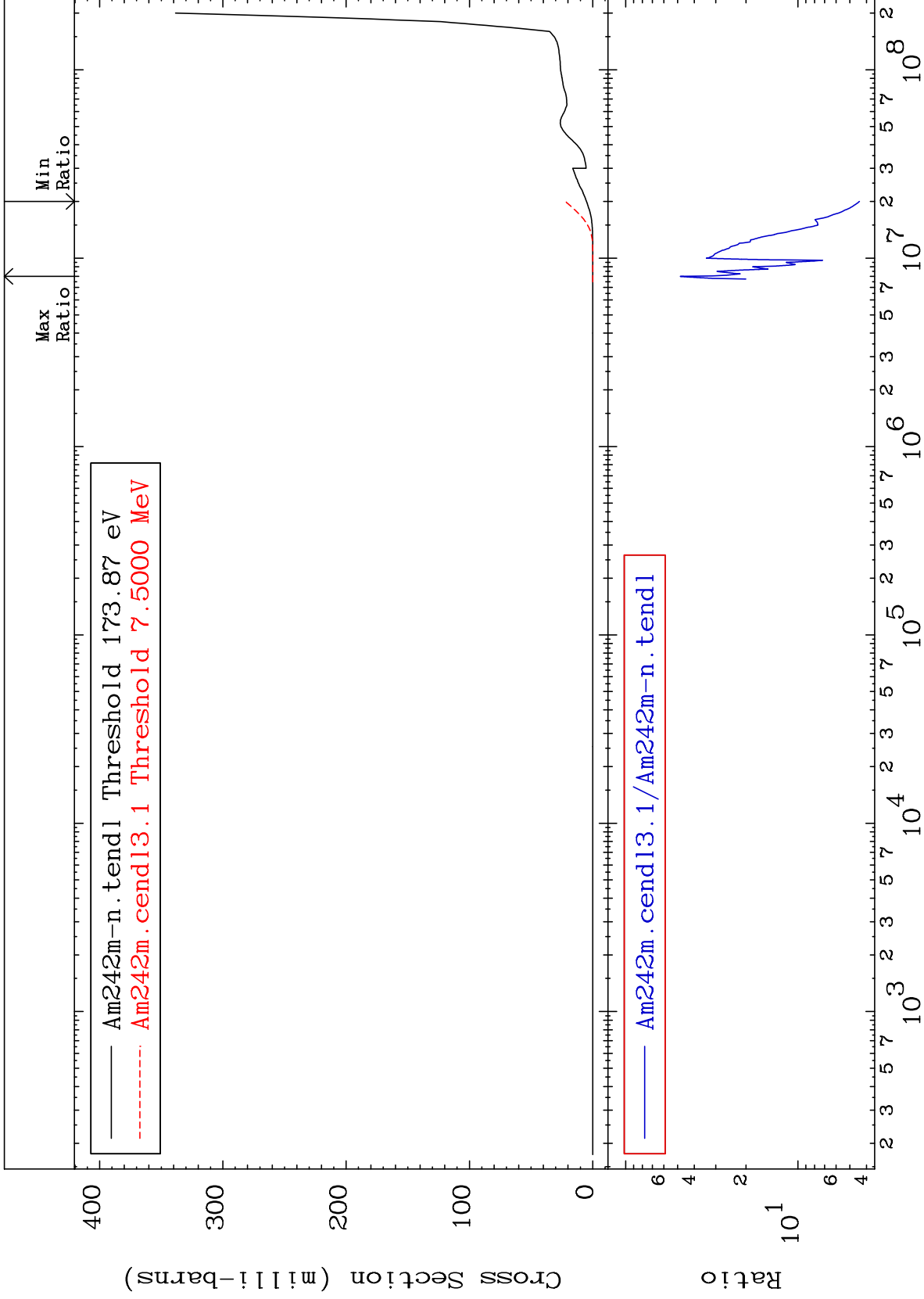


41

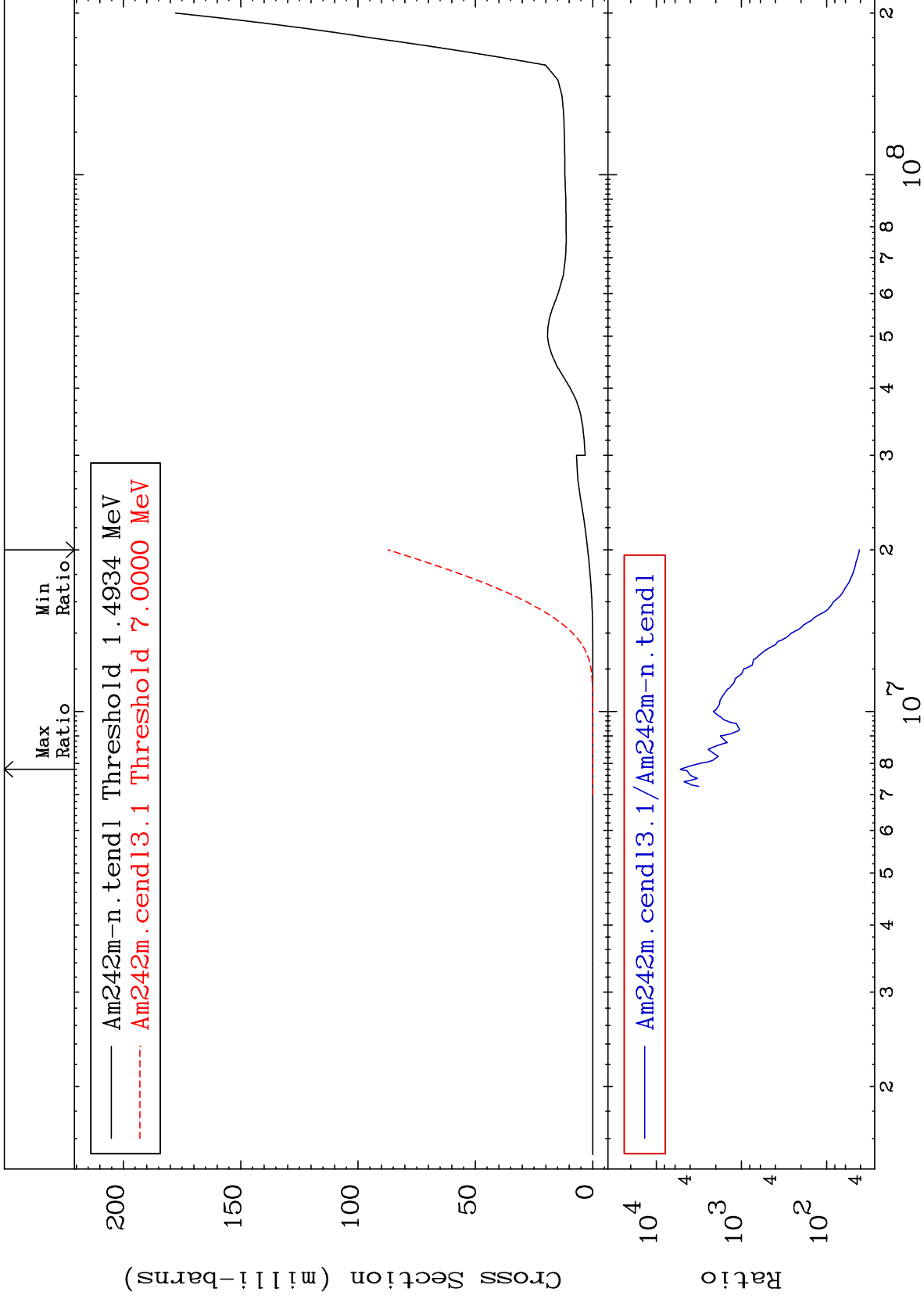
Incident Energy (eV)

95-Am-242





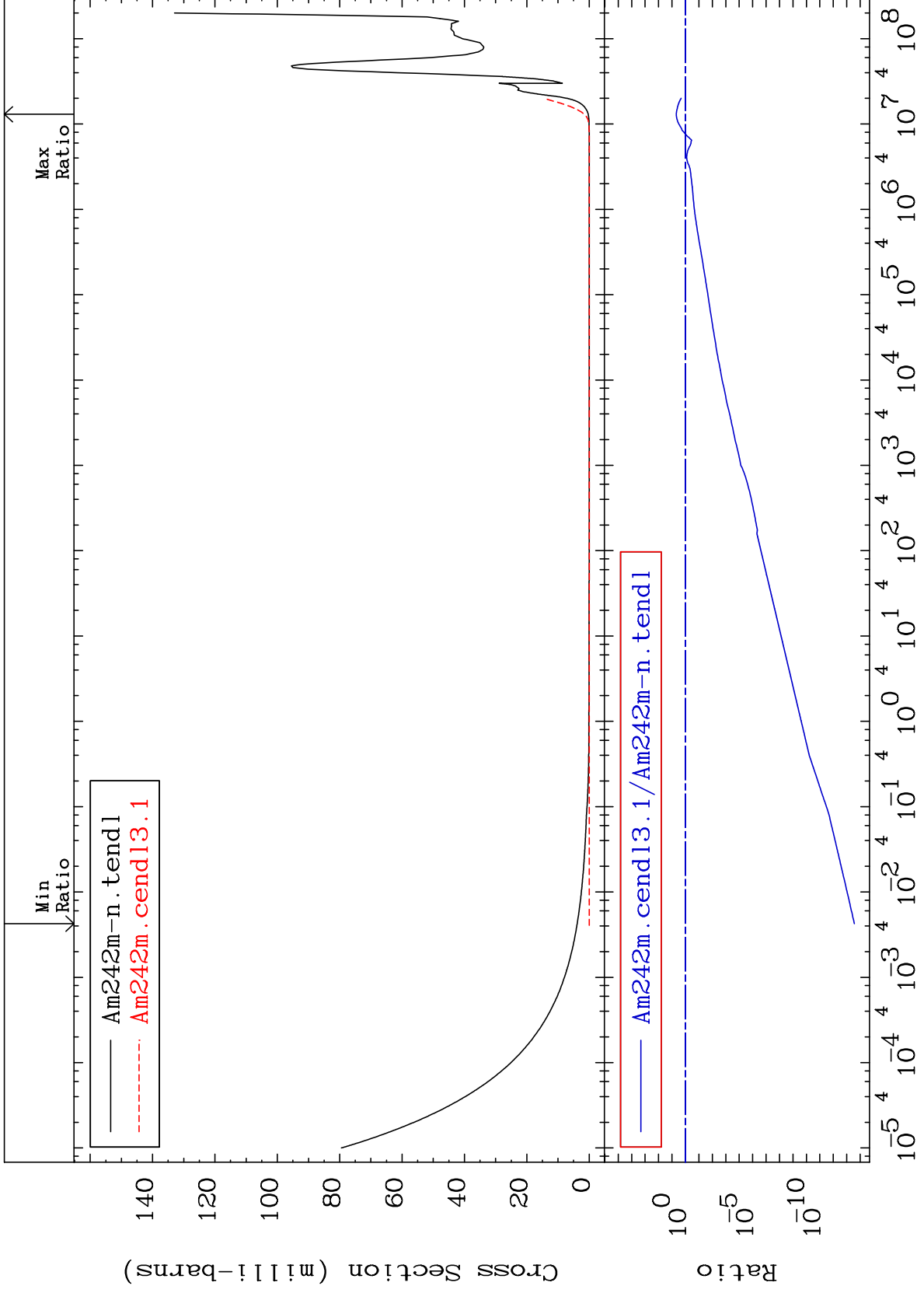




MAT 9547

He-4 Production  
Cross Section

95-Am-242  
-100.0 To 372.9 %



45

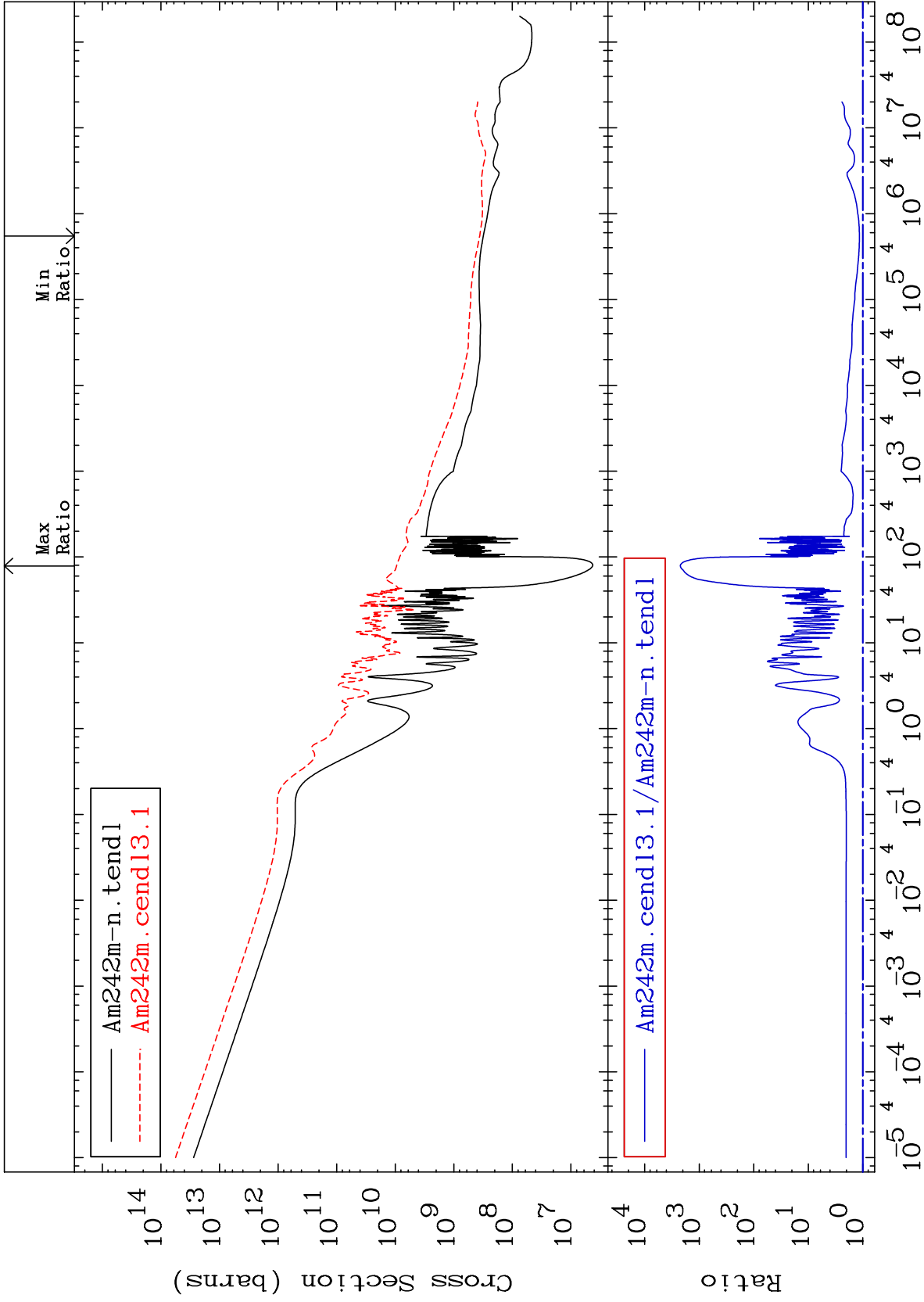
Incident Energy (eV)

95-Am-242

MAT 9547

Kerma total (eV-barns)  
Cross Section

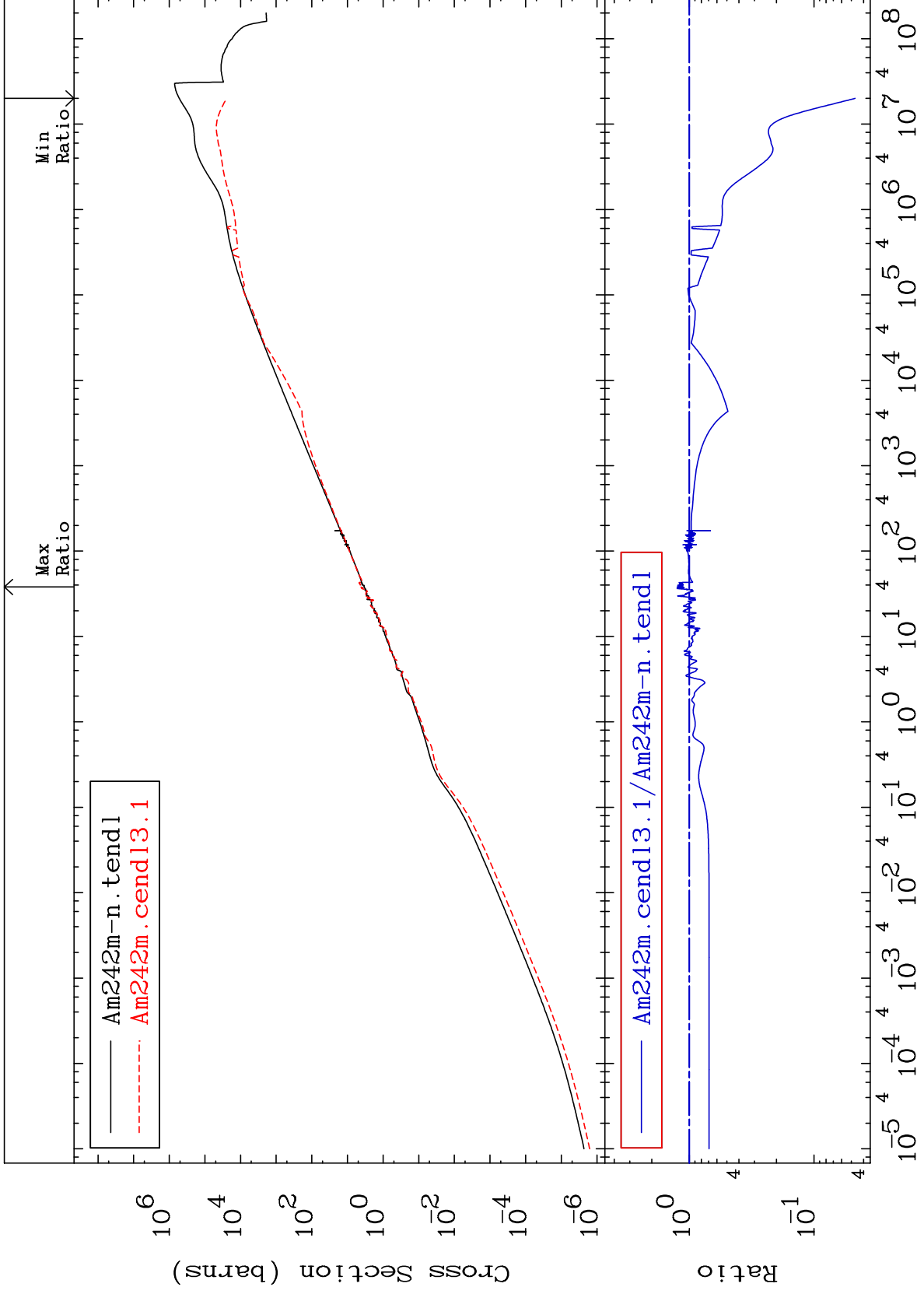
95-Am-242  
15.55 To 9999. %



MAT 9547

Kerma elastic  
Cross Section

95-Am-242  
-95.33 To 25.71 %



47

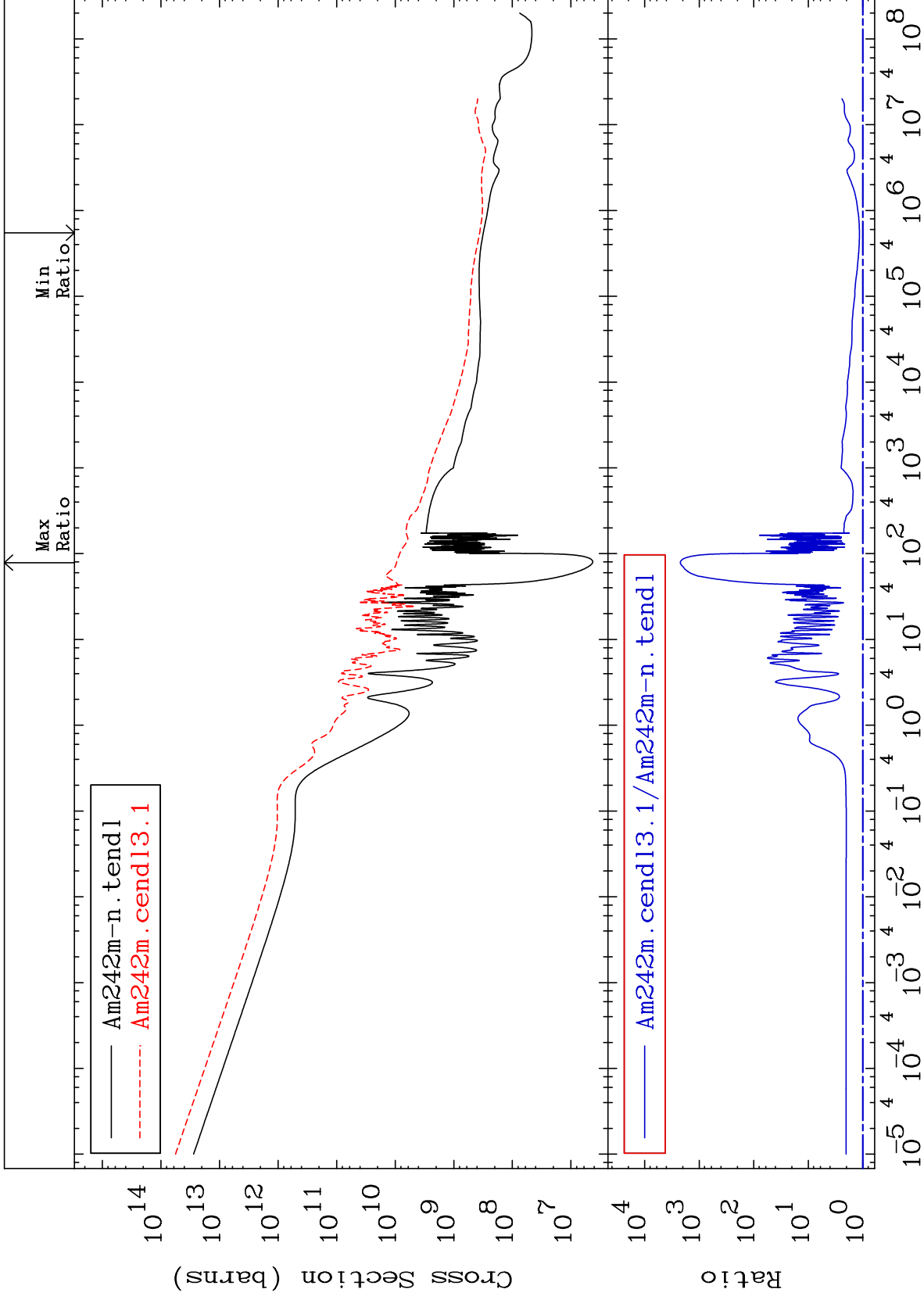
Incident Energy (eV)

95-Am-242

MAT 9547

Kerma non-elastic (all but mt2)  
Cross Section

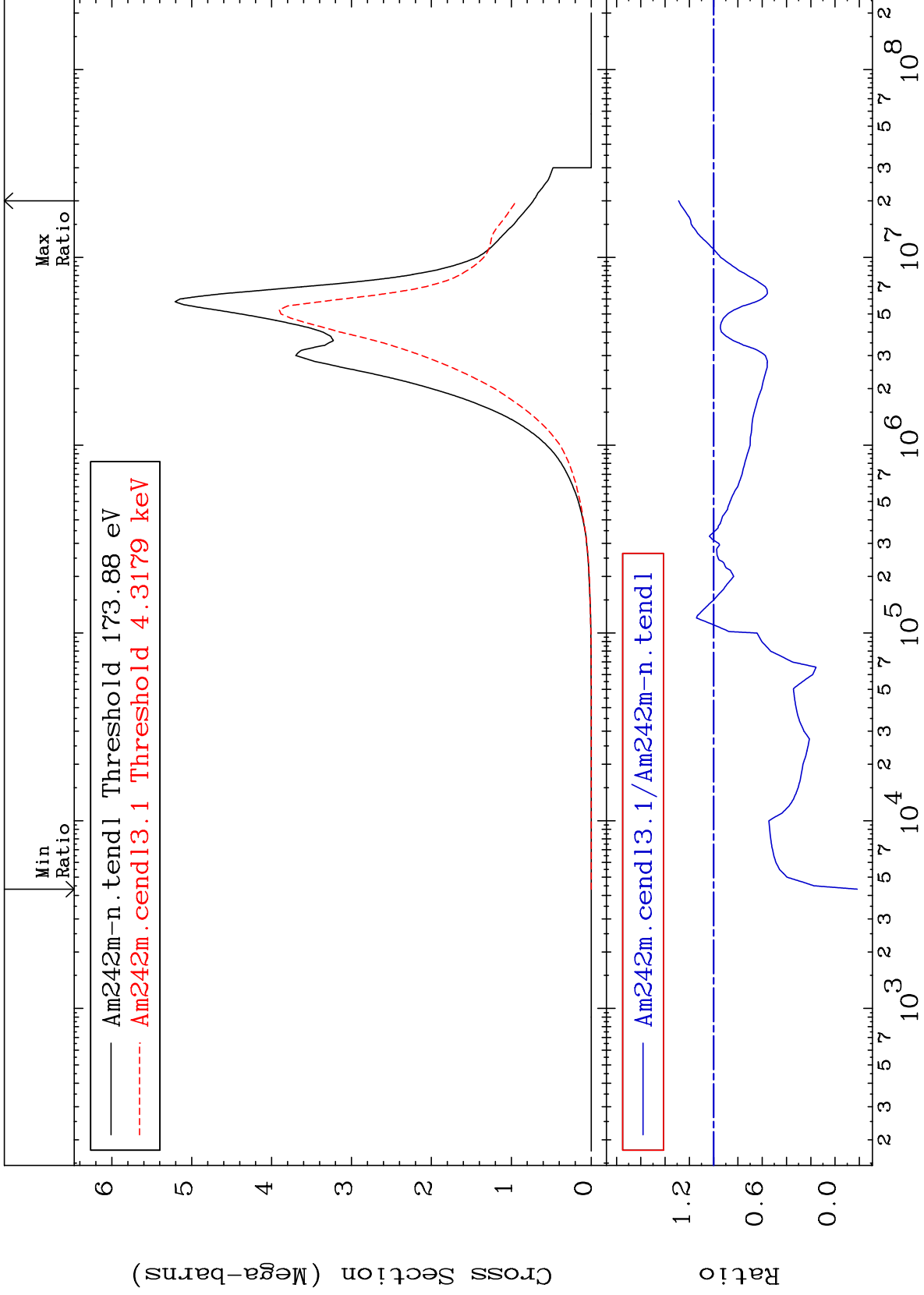
95-Am-242  
15.55 To 9999. %



MAT 9547

Kerma inelastic (mt51-91)  
Cross Section

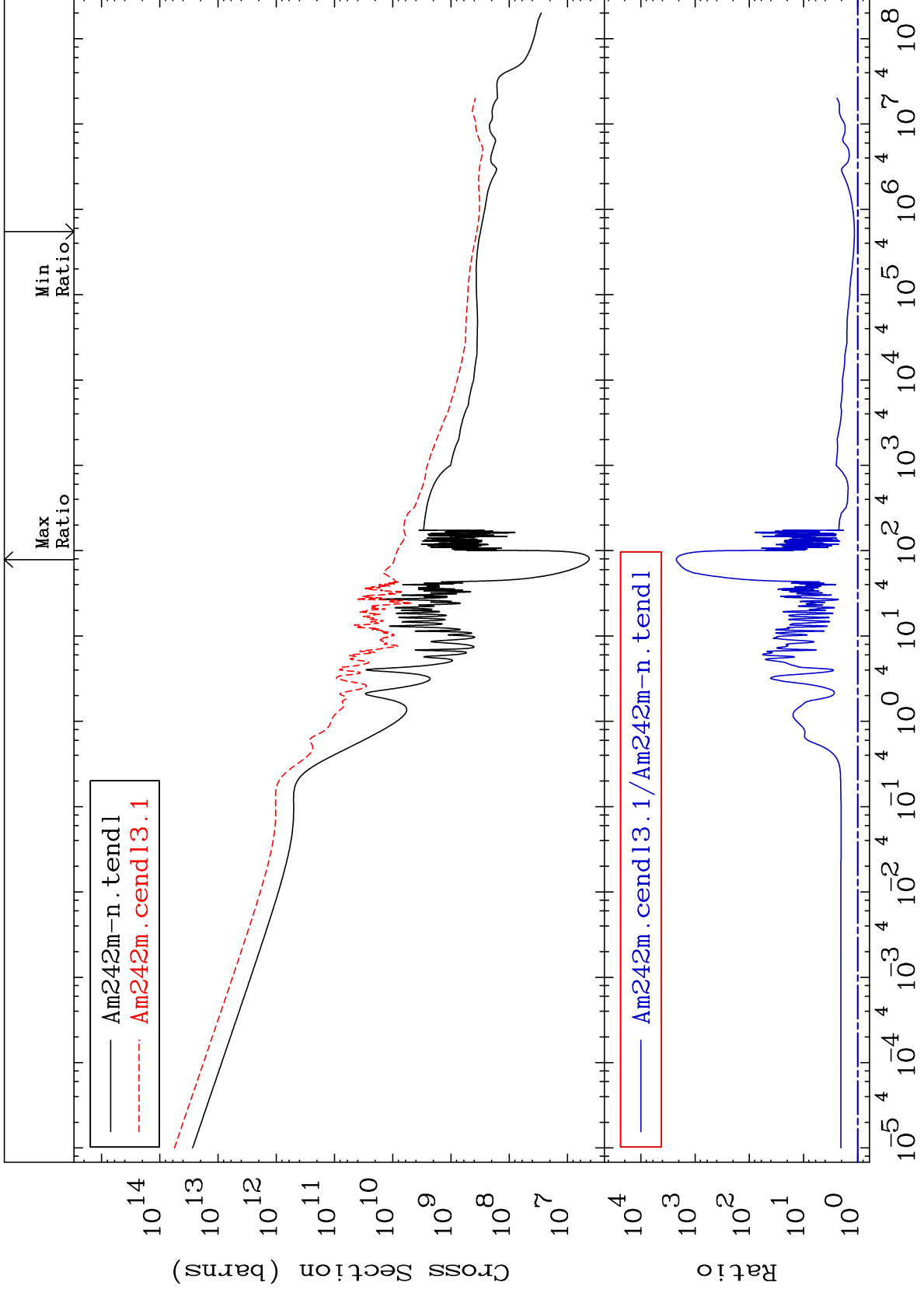
95-Am-242  
-118.3 To 28.84 %



MAT 9547

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

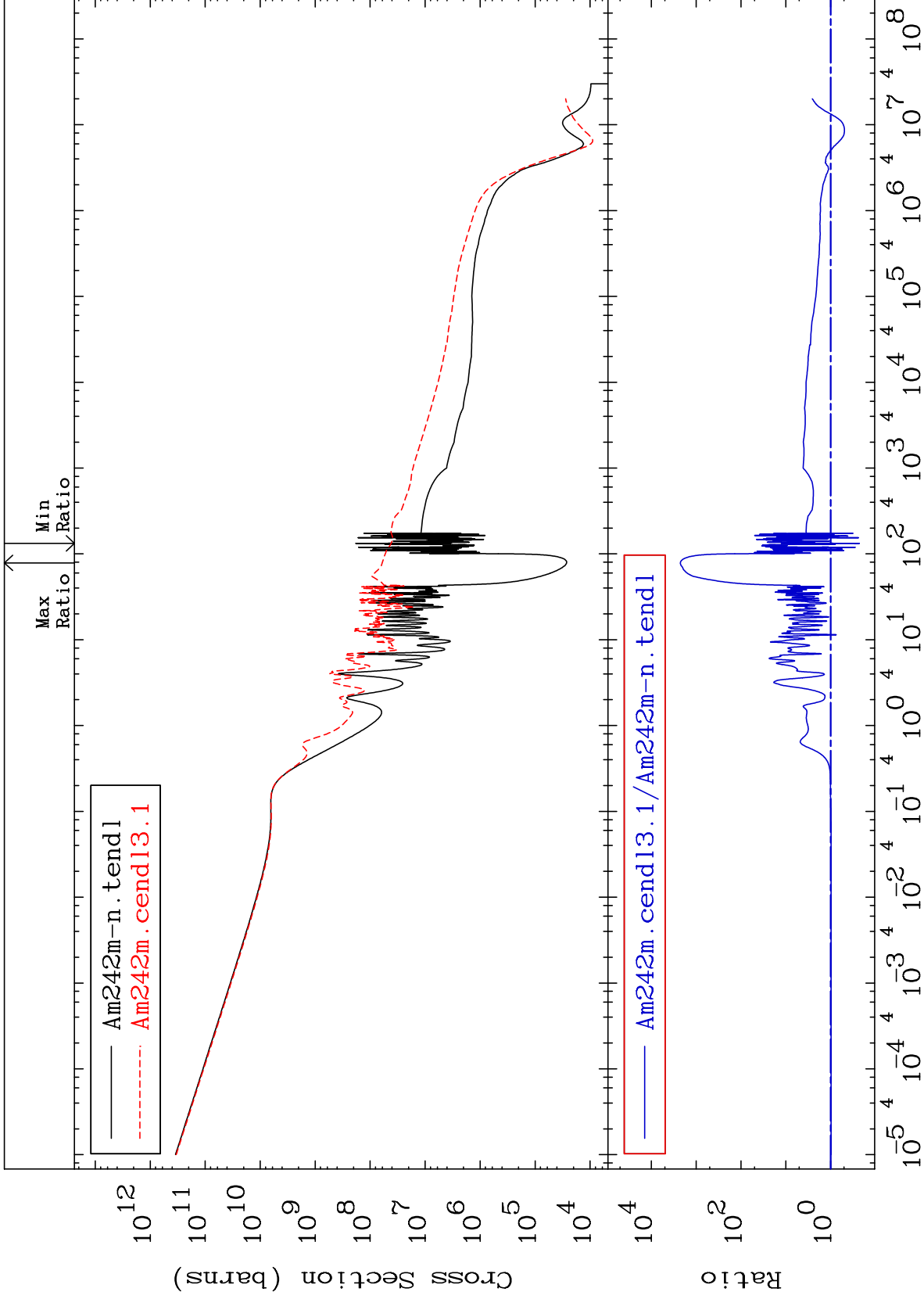
95-Am-242  
15.40 To 9999. %



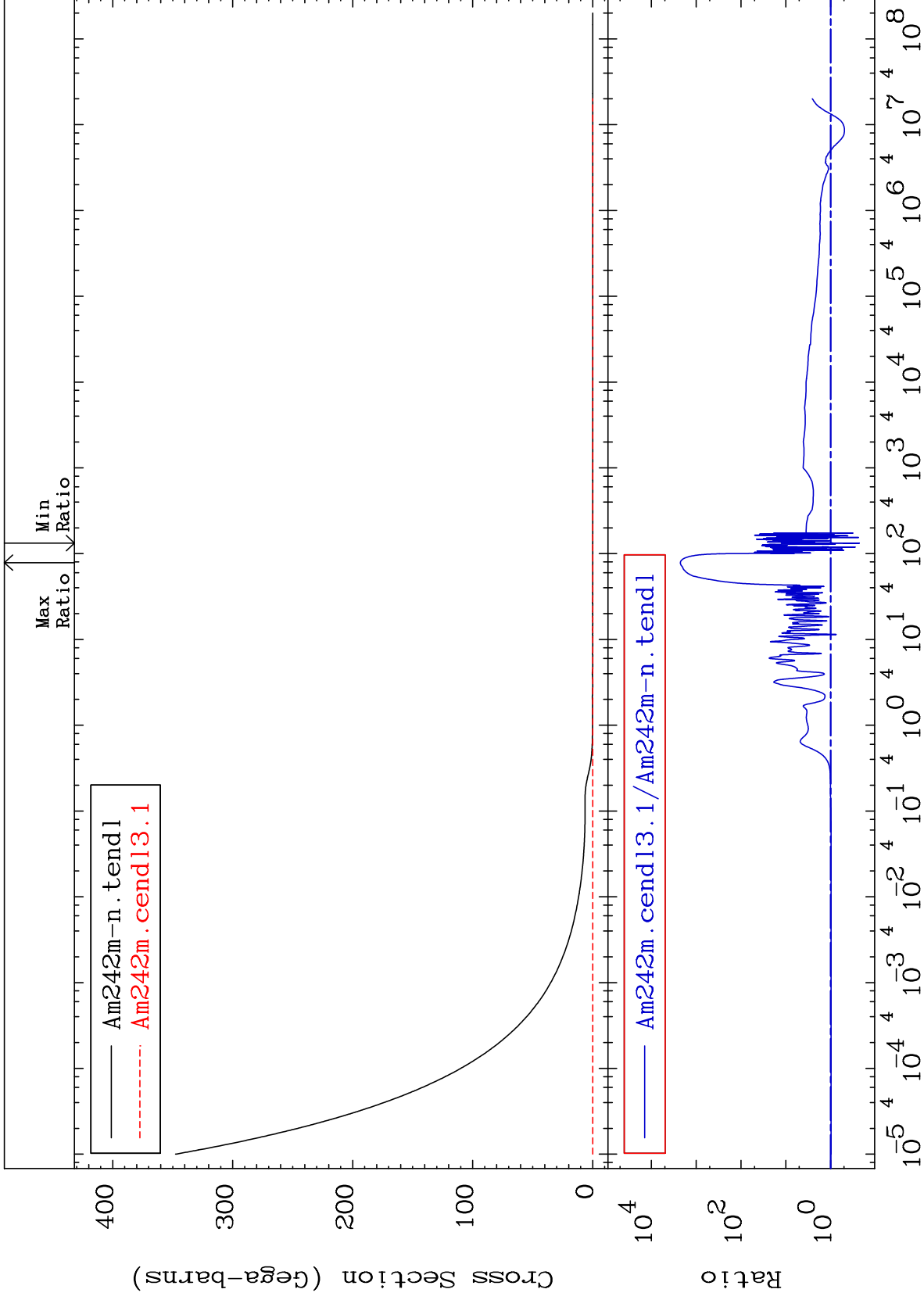
50

Incident Energy (eV)

95-Am-242



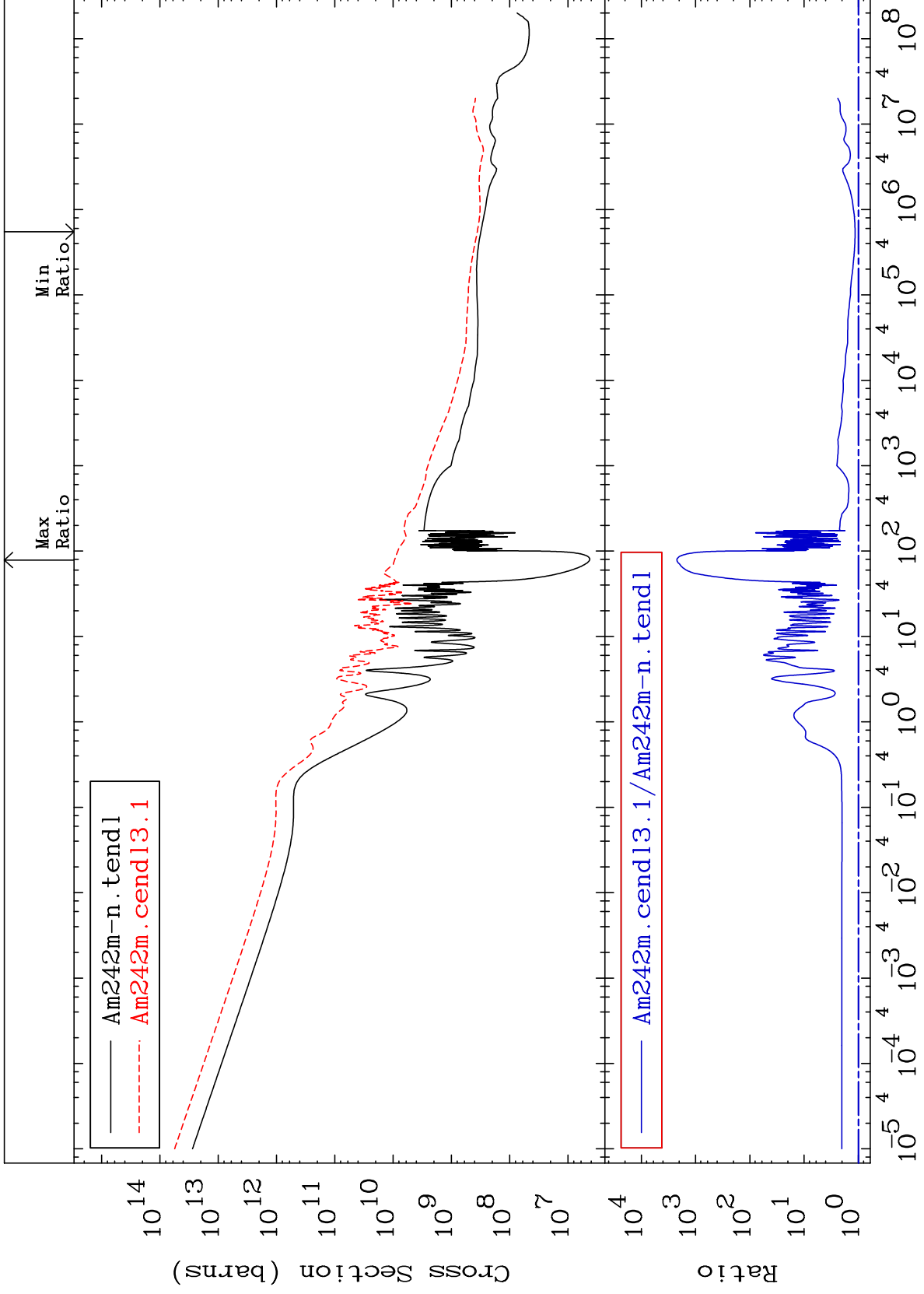


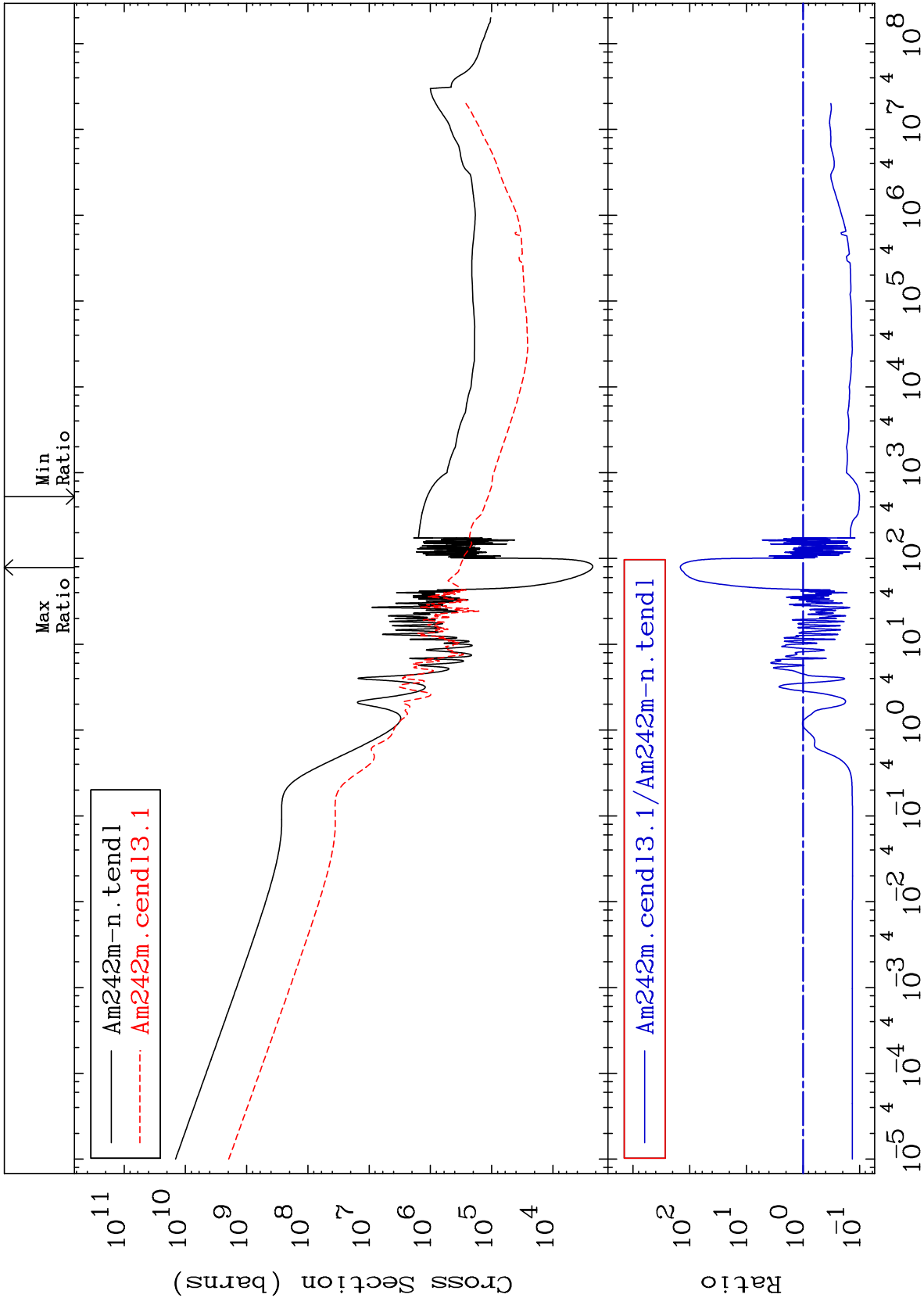


MAT 9547

Total kinematic kerma (high limit)  
Cross Section

95-Am-242  
14.99 To 9999. %

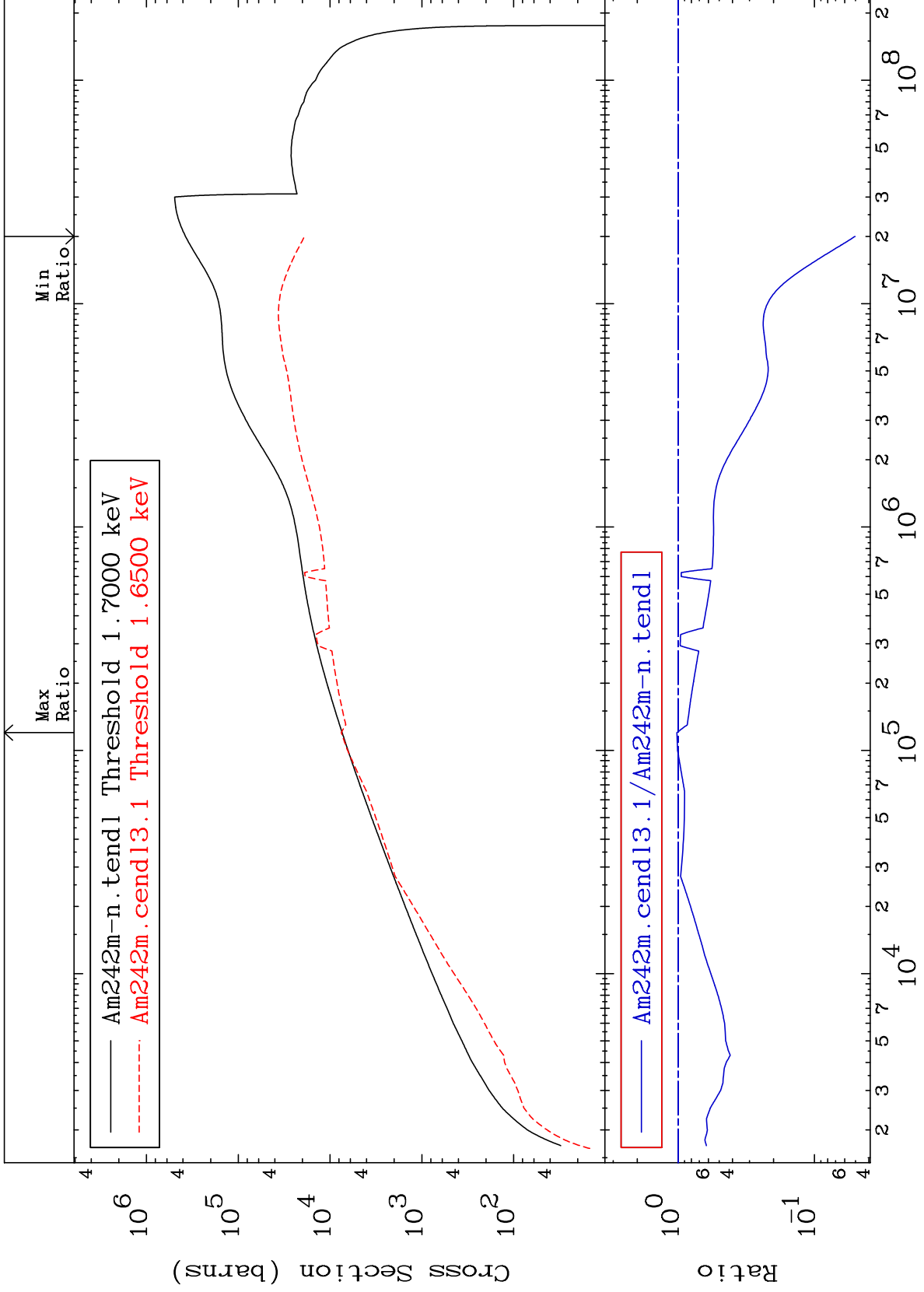


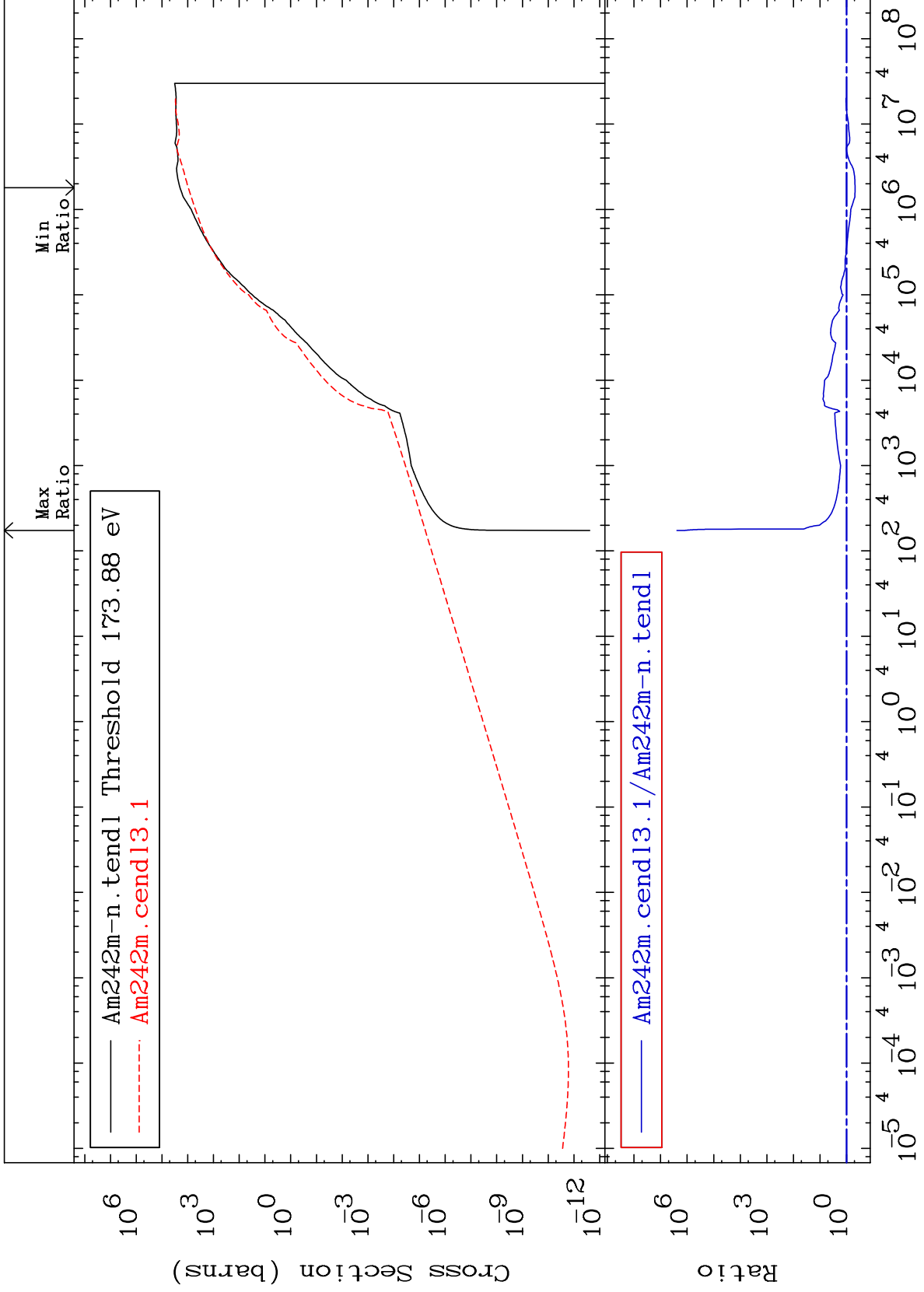


MAT 9547

Dpa elastic (mt2)  
Cross Section

95-Am-242  
-94.96 To 2.214 %





MAT 9547

Dpa disappearance (mt102 -120)  
Cross Section

280.3 To 9999. %  
95-Am-242

