

Program Complot
(Version 2018-1)

by

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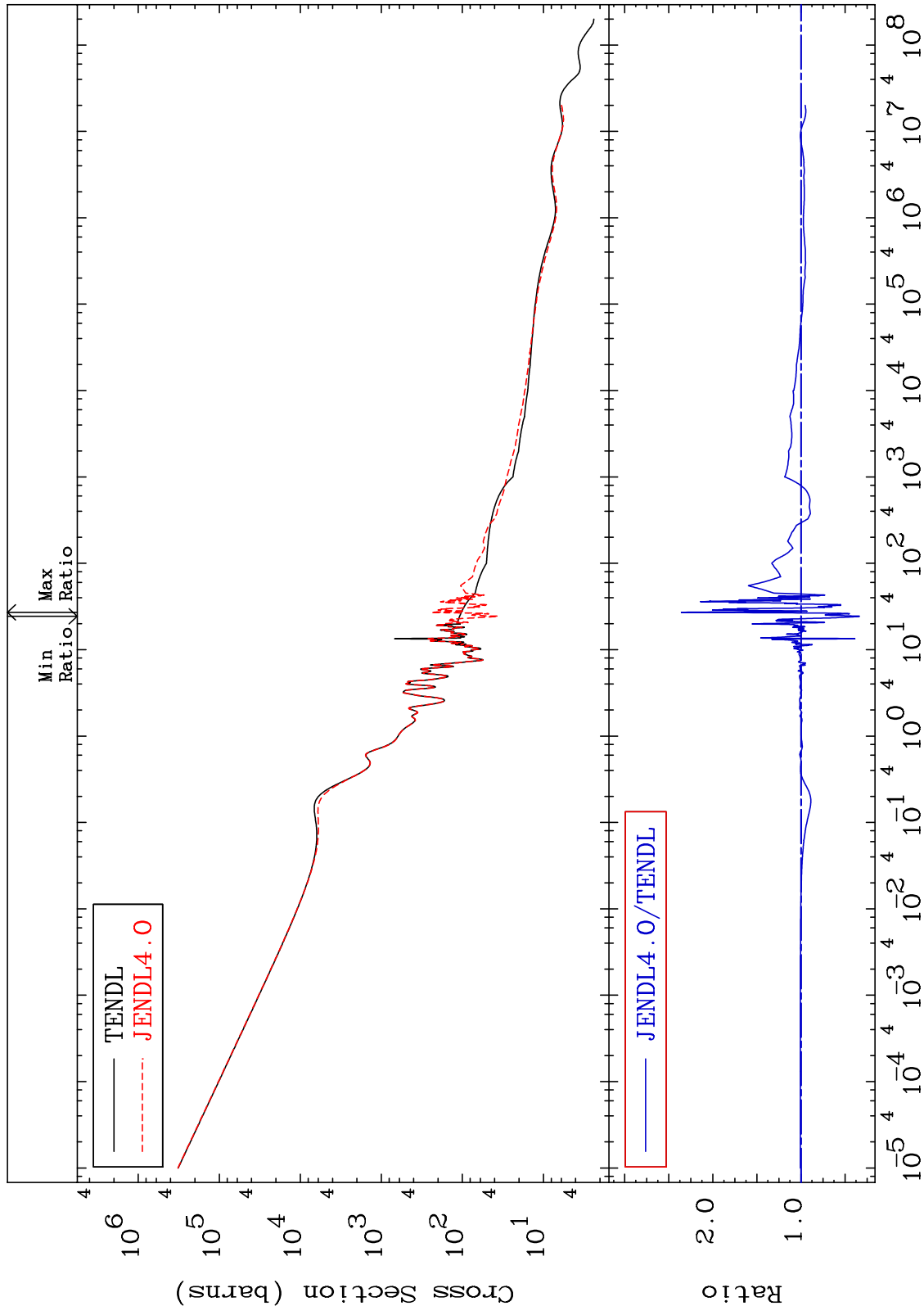
E.Mail: redcullen1@comcast.net
Web: redcullen1.net/HOMEPAGE.NEW

Press Mouse Button to Start

MAT 9547

Total
Cross Section

95-Am-242
-66.73 To 135.9 %



1

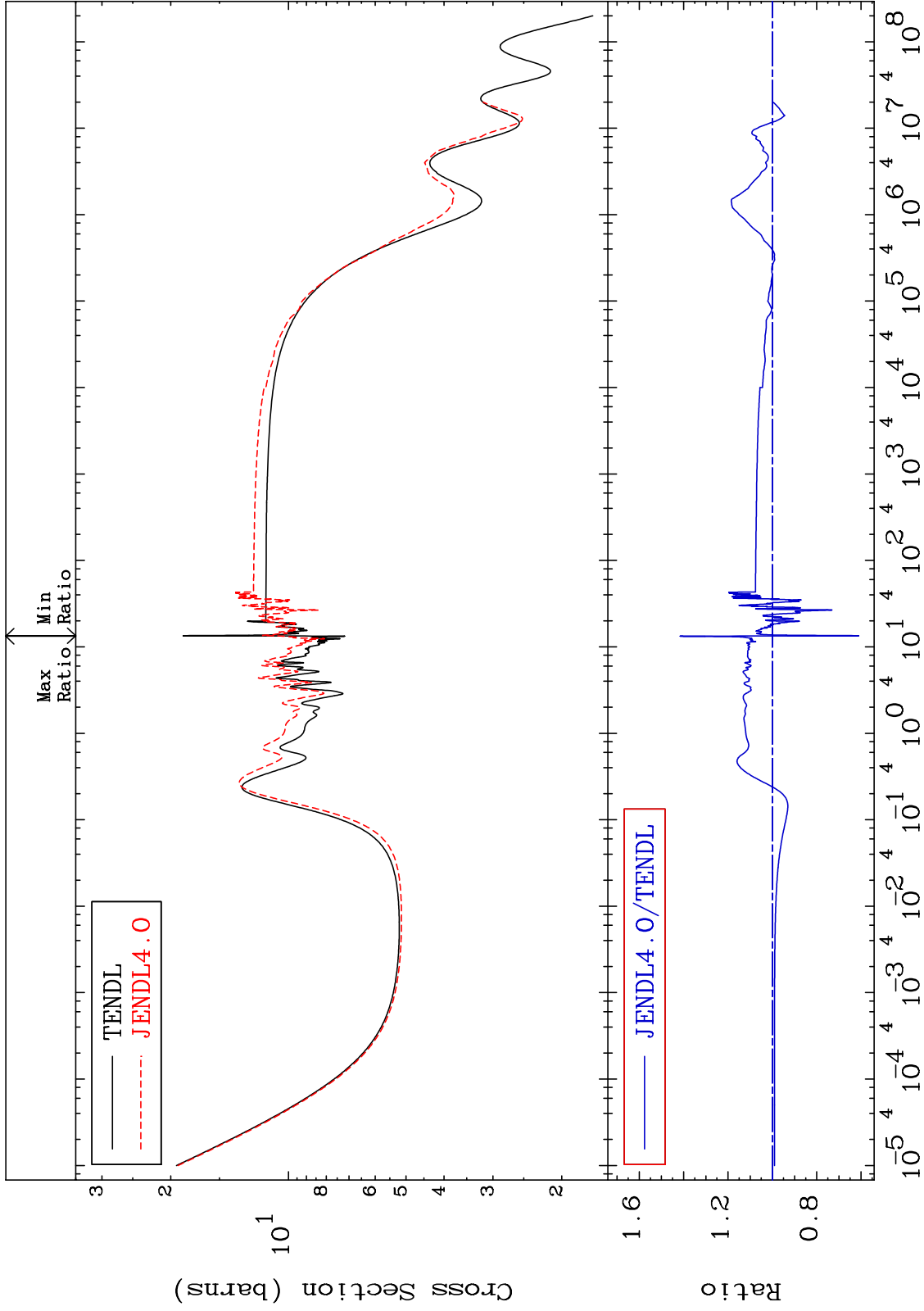
Incident Energy (eV)

95-Am-242

MAT 9547

Elastic
Cross Section

95-Am-242
-39.00 To 41.54 %



2

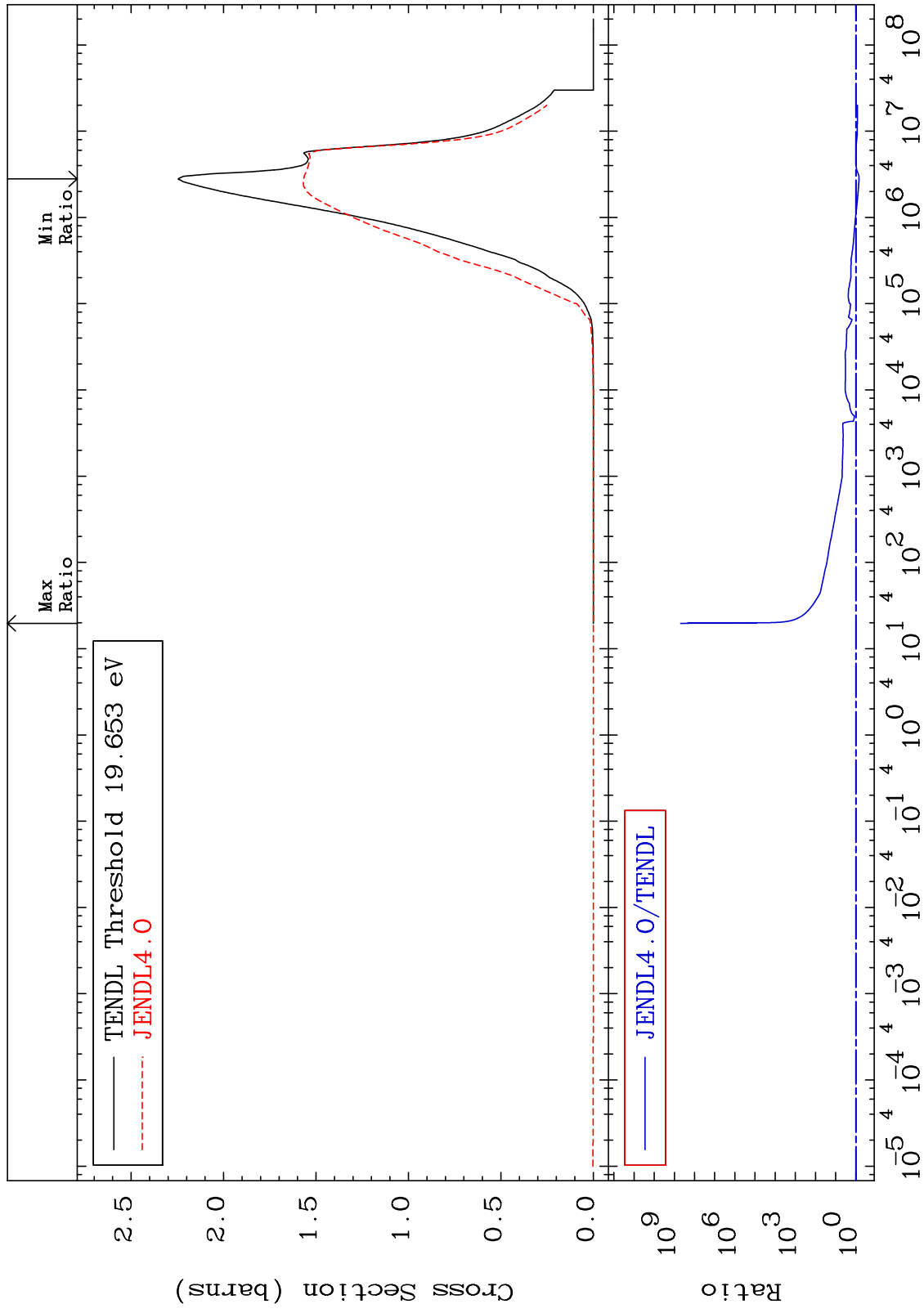
Incident Energy (eV)

95-Am-242

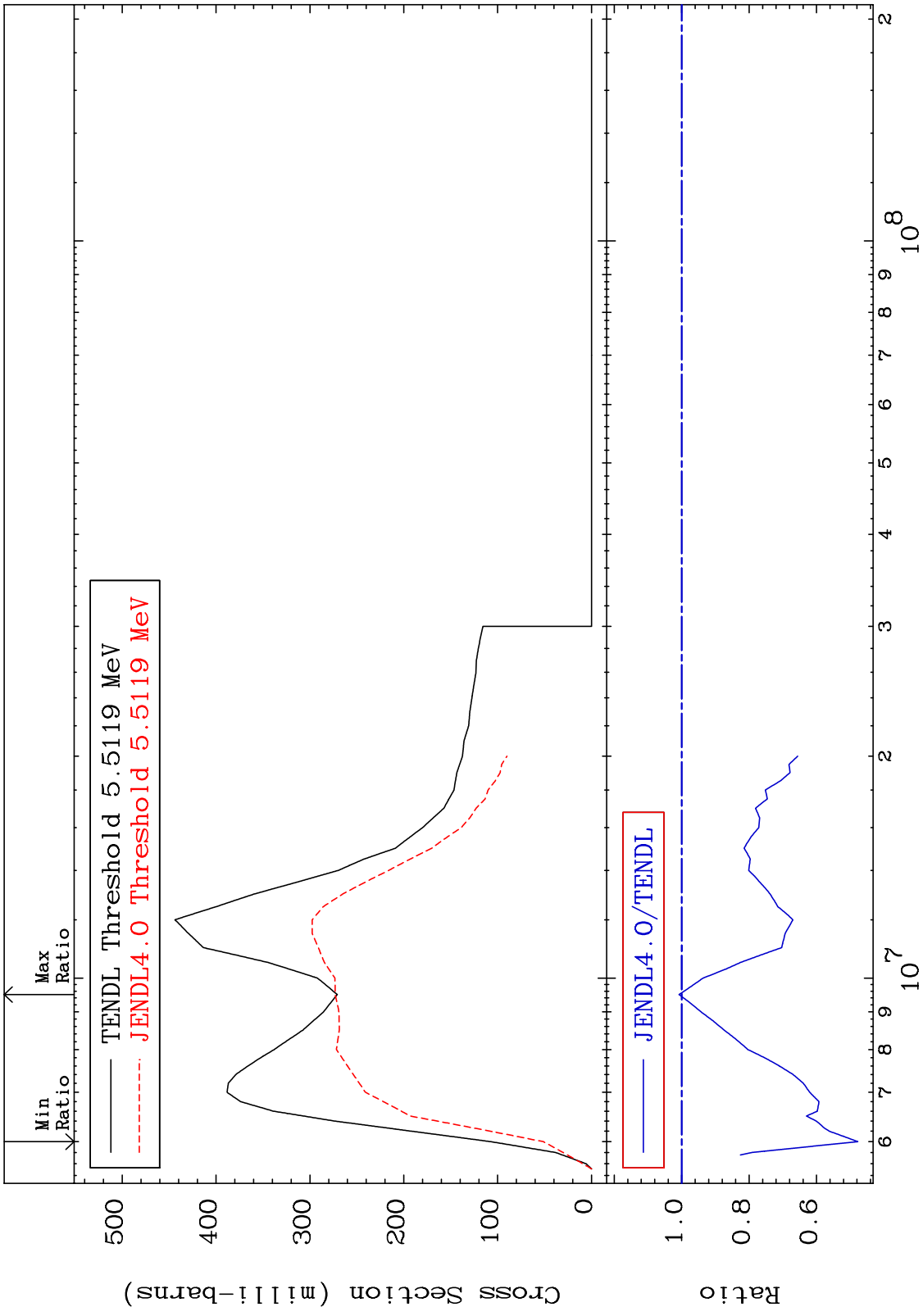
MAT 9547

Inelastic
Cross Section

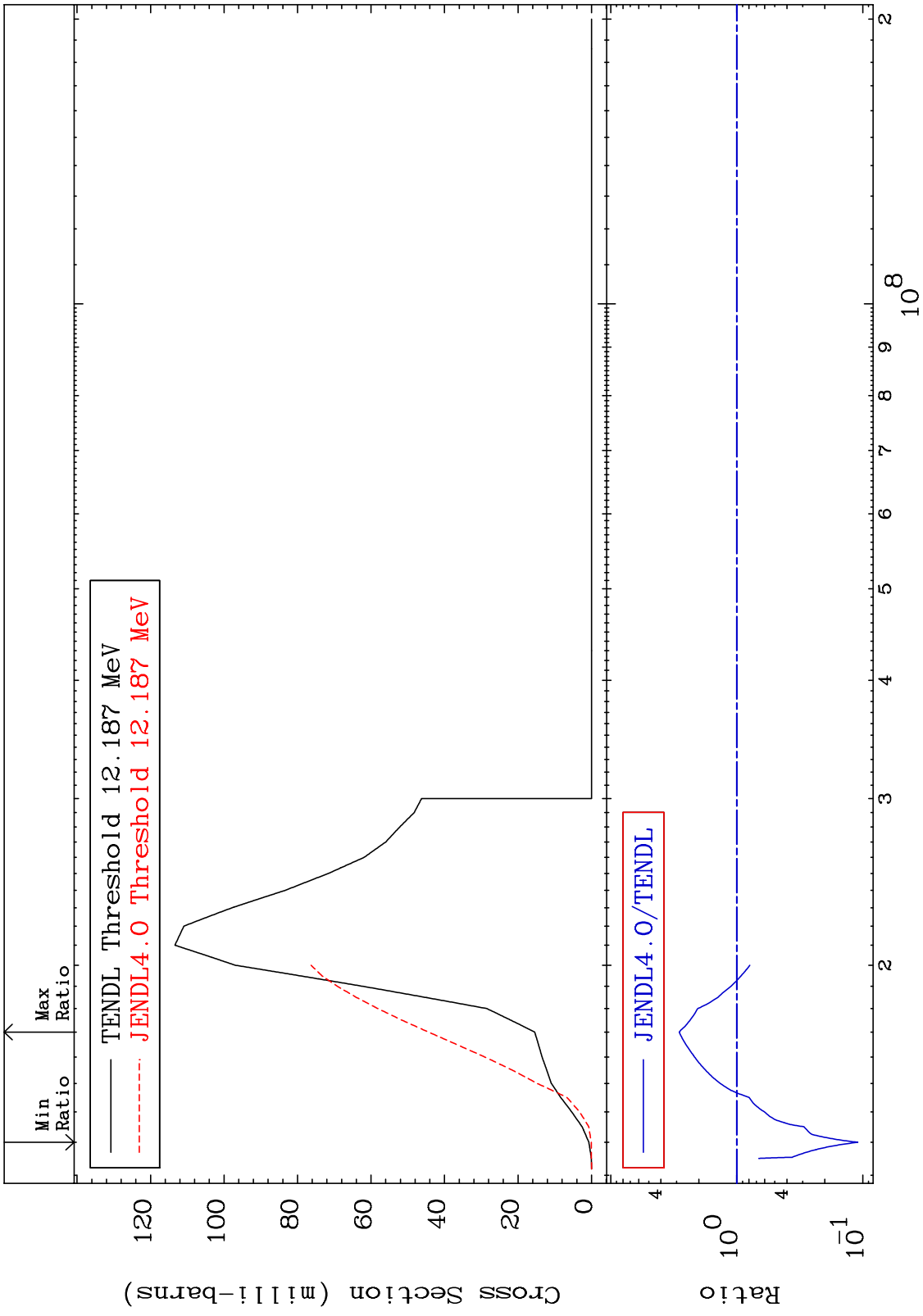
95-Am-242
-30.31 To 9999. %



MAT 9547 (n,2n) Cross Section 95-Am-242 -52.24 To 0.789 %



MAT 9547 (n,3n) Cross Section 95-Am-242 -89.05 To 187.2 %



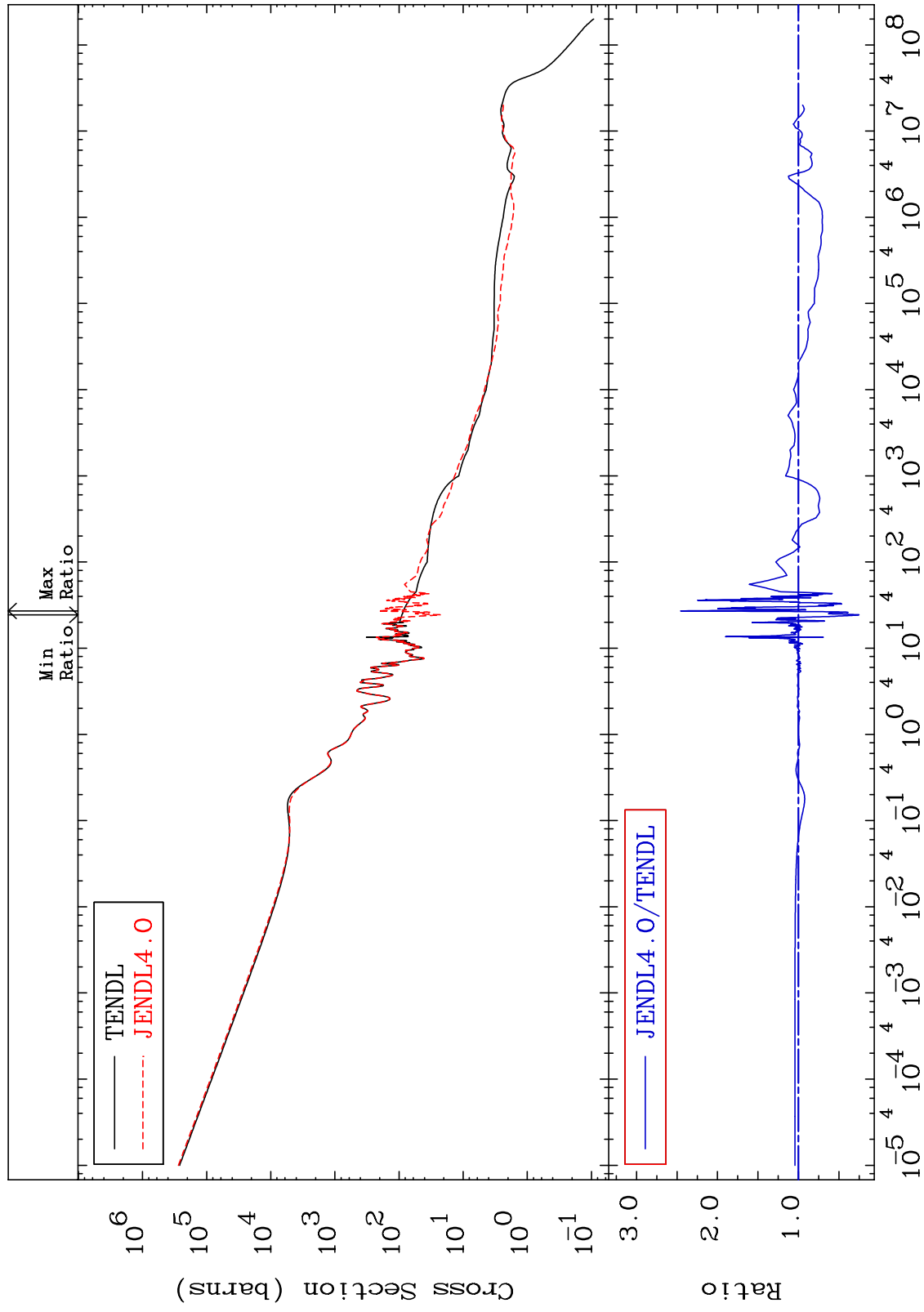
MAT 9547

Fission

95-Am-242

Cross Section

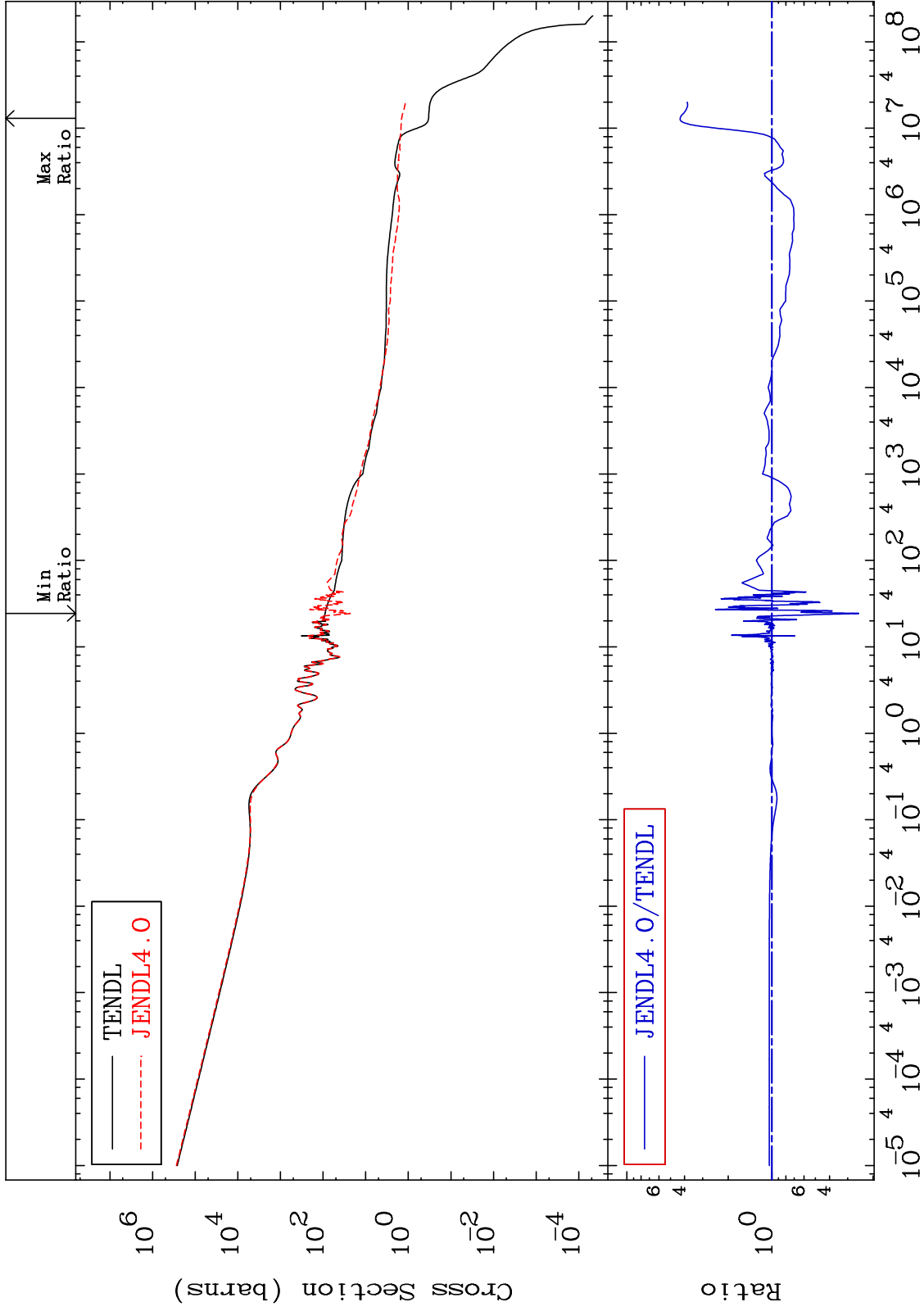
-74.92 To 145.3 %



MAT 9547

(n,f) First Chance
Cross Section

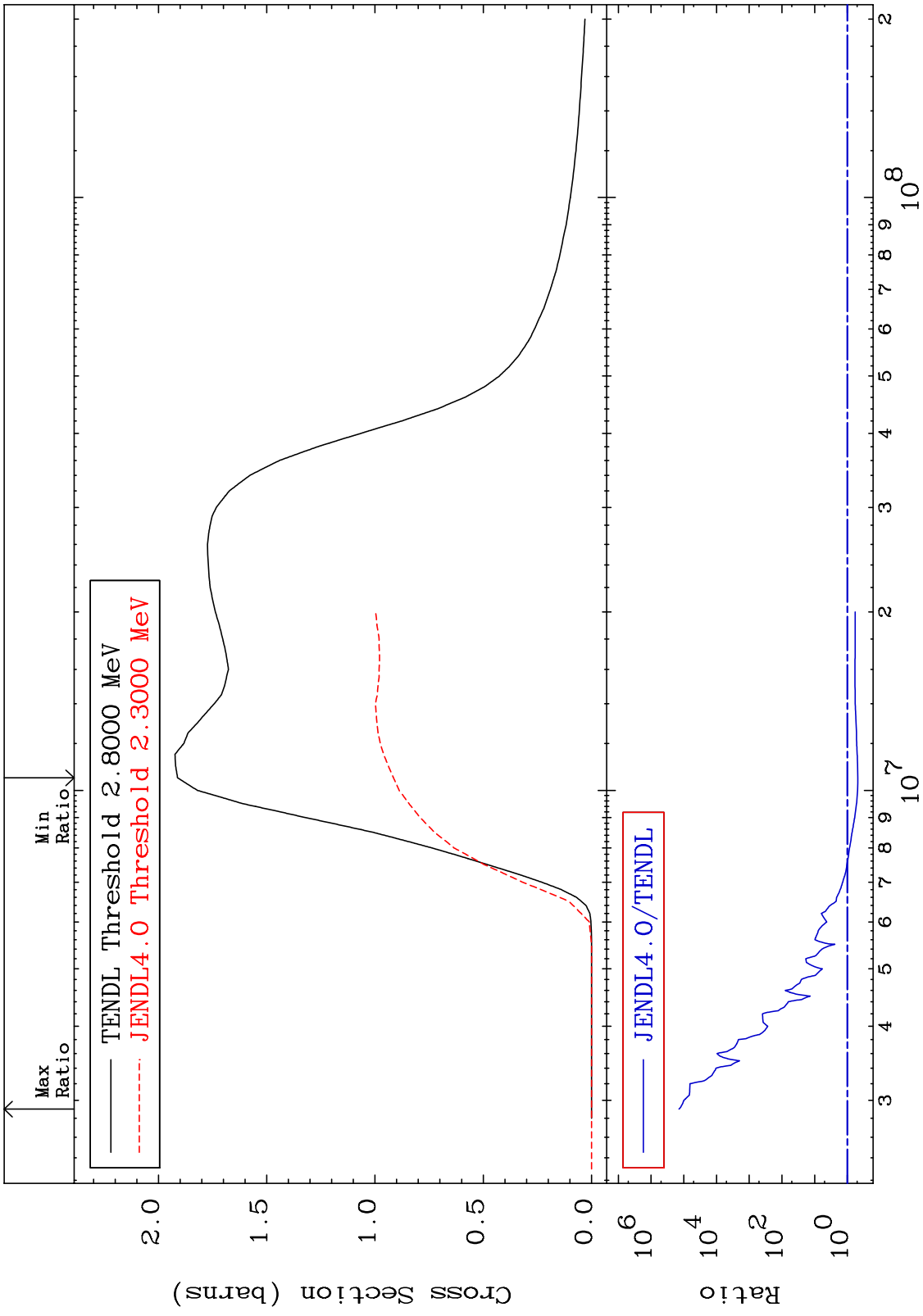
95-Am-242
-74.92 To 328.7 %



7

Incident Energy (eV)

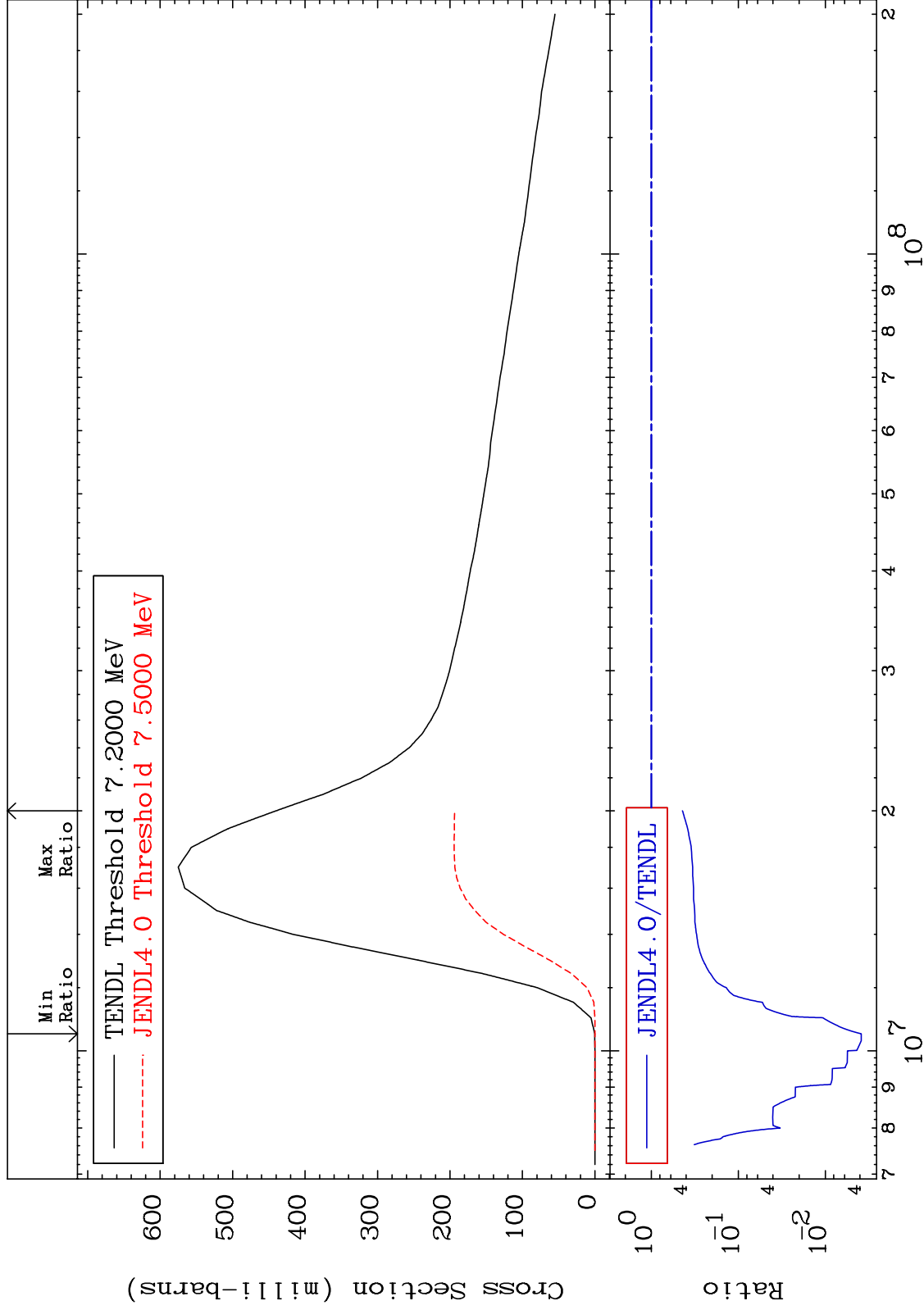
95-Am-242



MAT 9547

(n,2nf) Third Chance
Cross Section

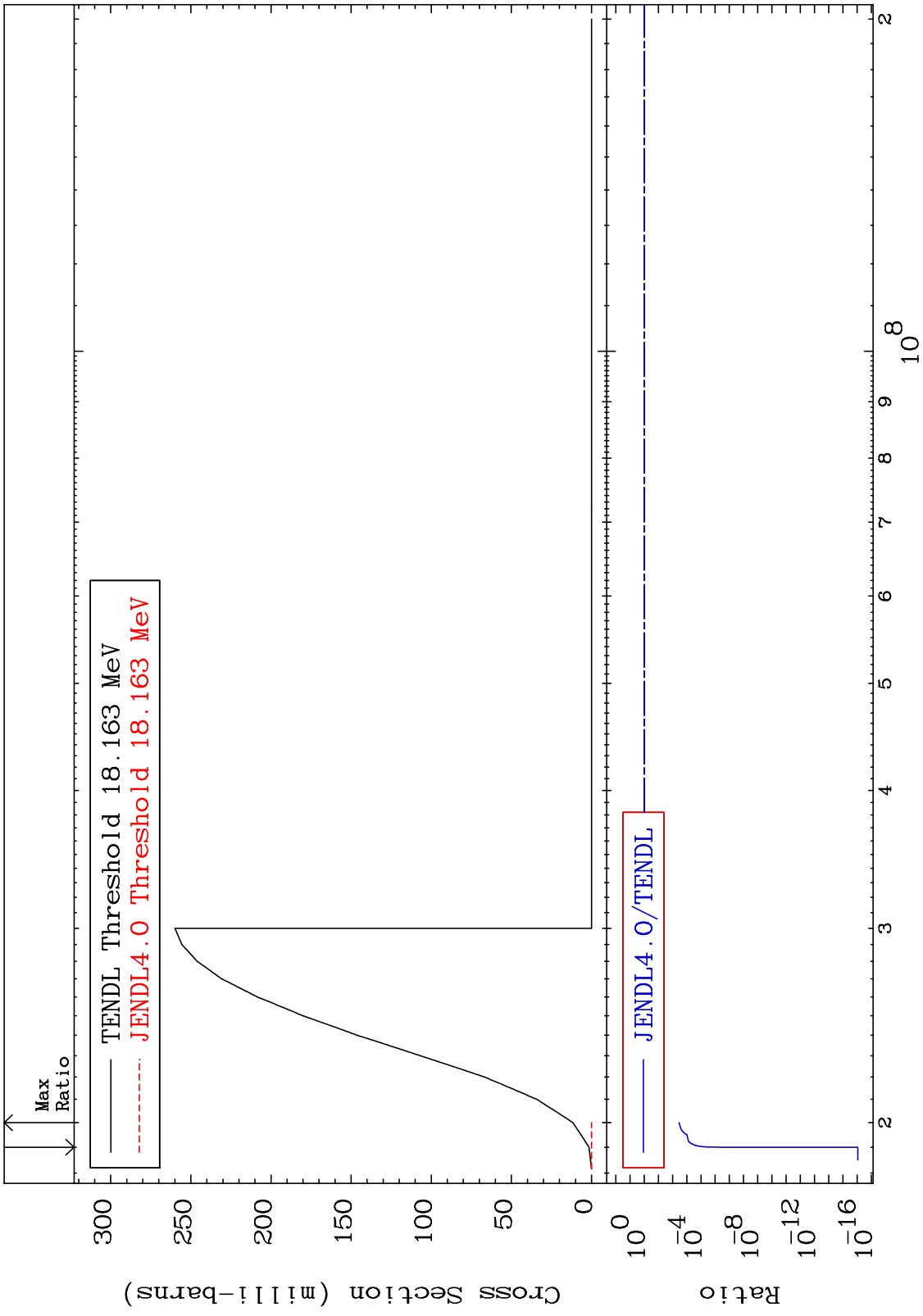
95-Am-242
-99.61 To -56.05%



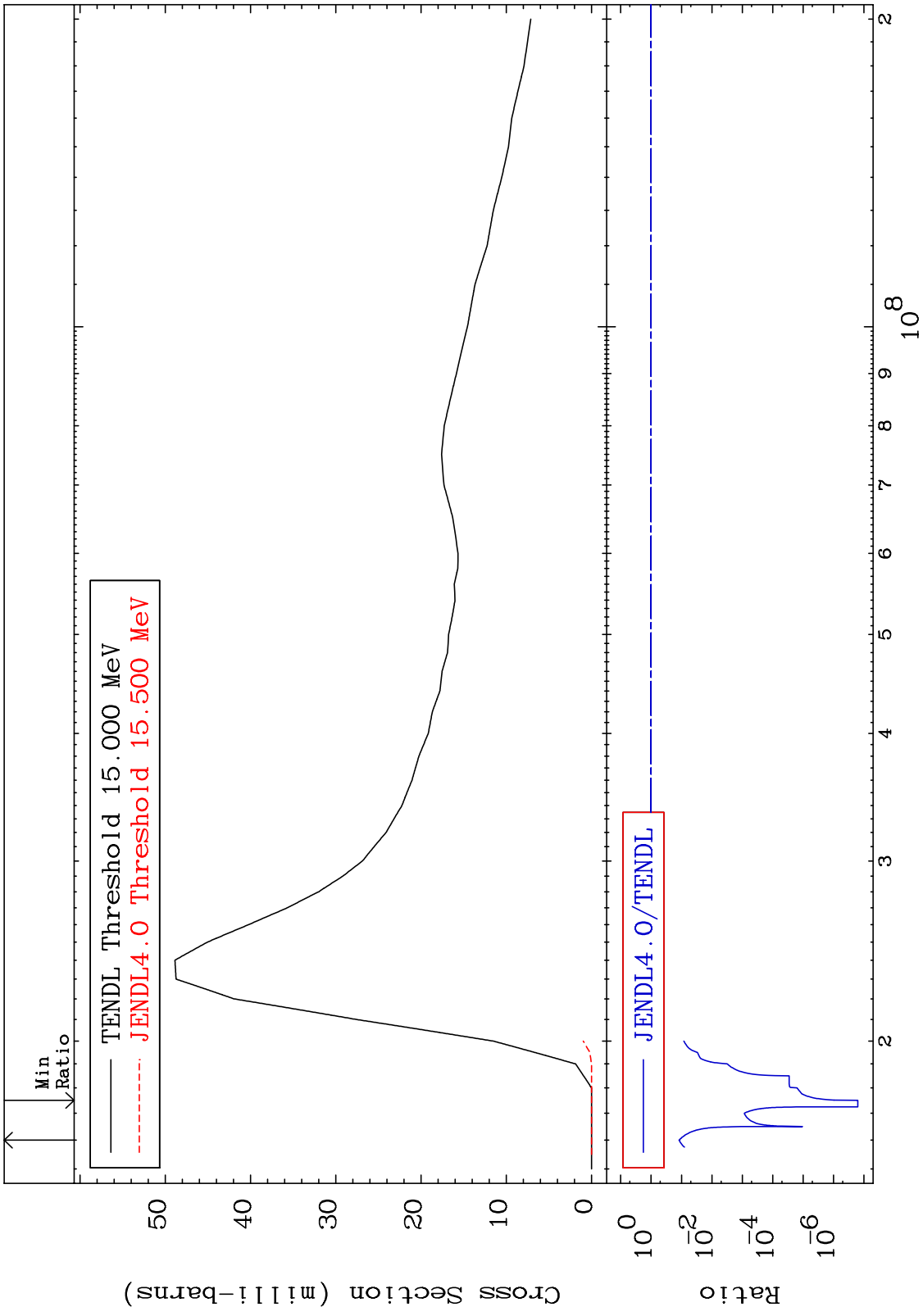
9

95-Am-242

MAT 9547 (n,4n) Cross Section 95-Am-242 -100.0 To -99.65%



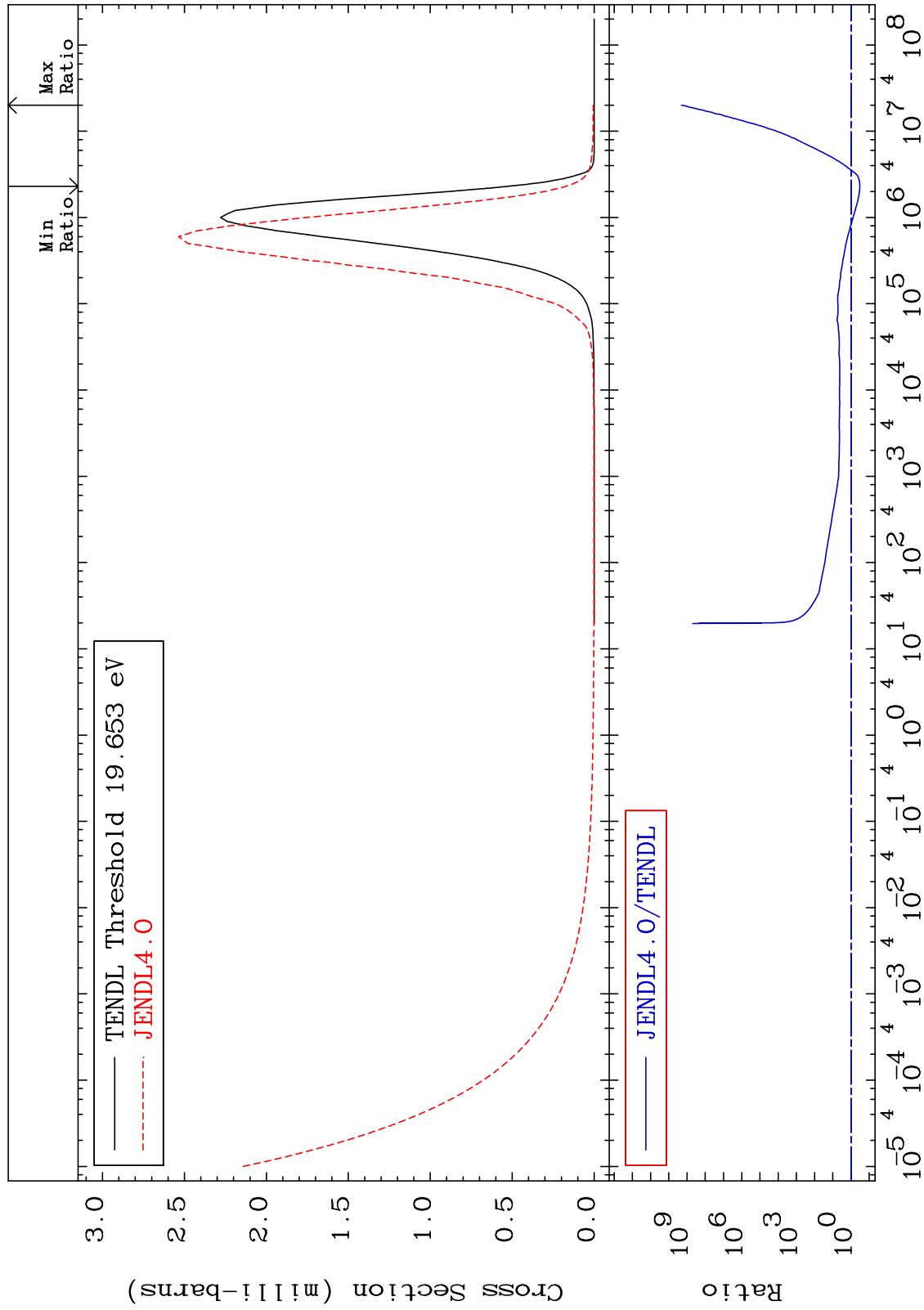
MAT 9547 (n,3nf) Fourth Chance Cross Section 95-Am-242 -100.0 To -87.94%



MAT 9547

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

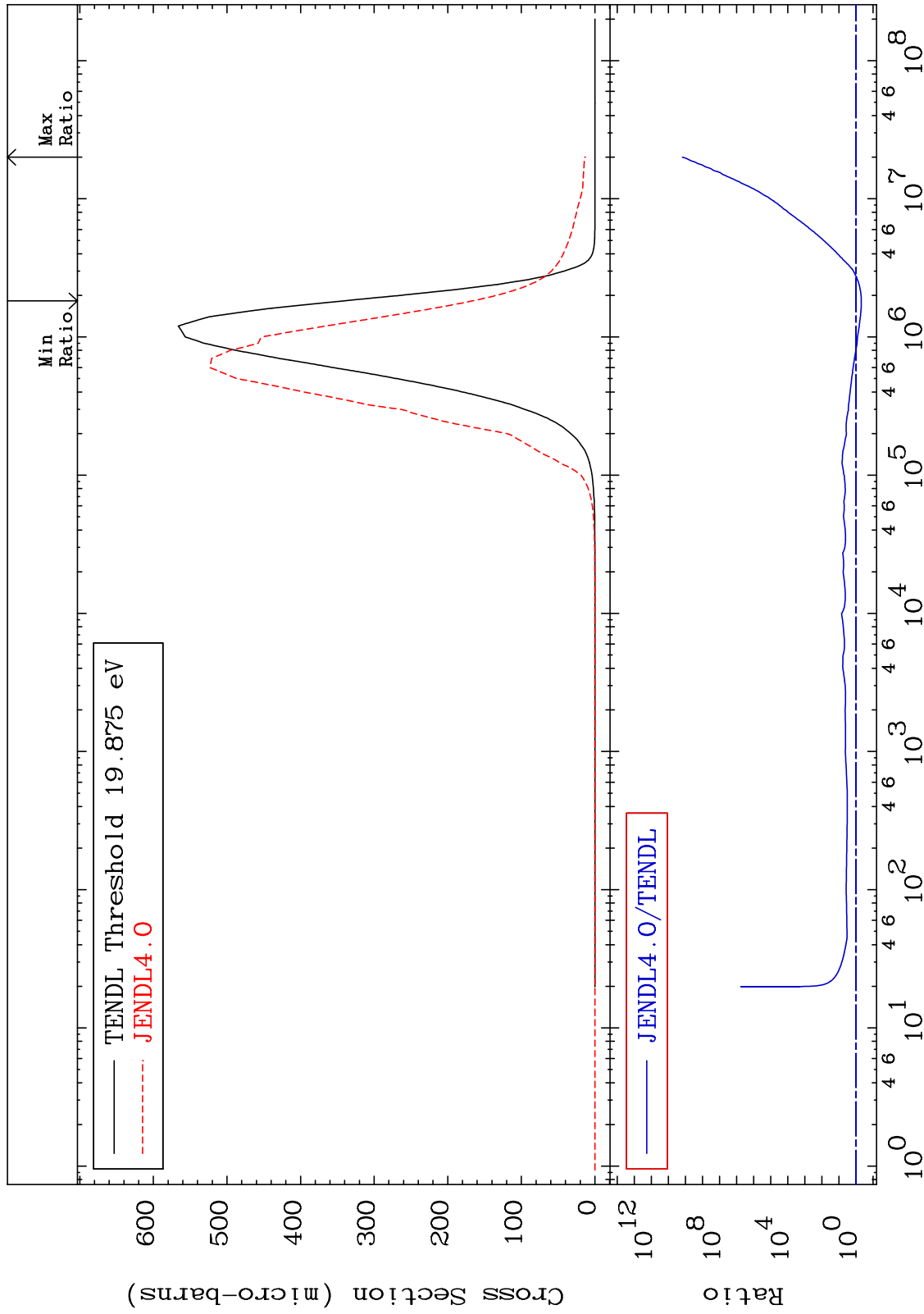
95-Am-242
-67.23 To 9999. %



MAT 9547

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

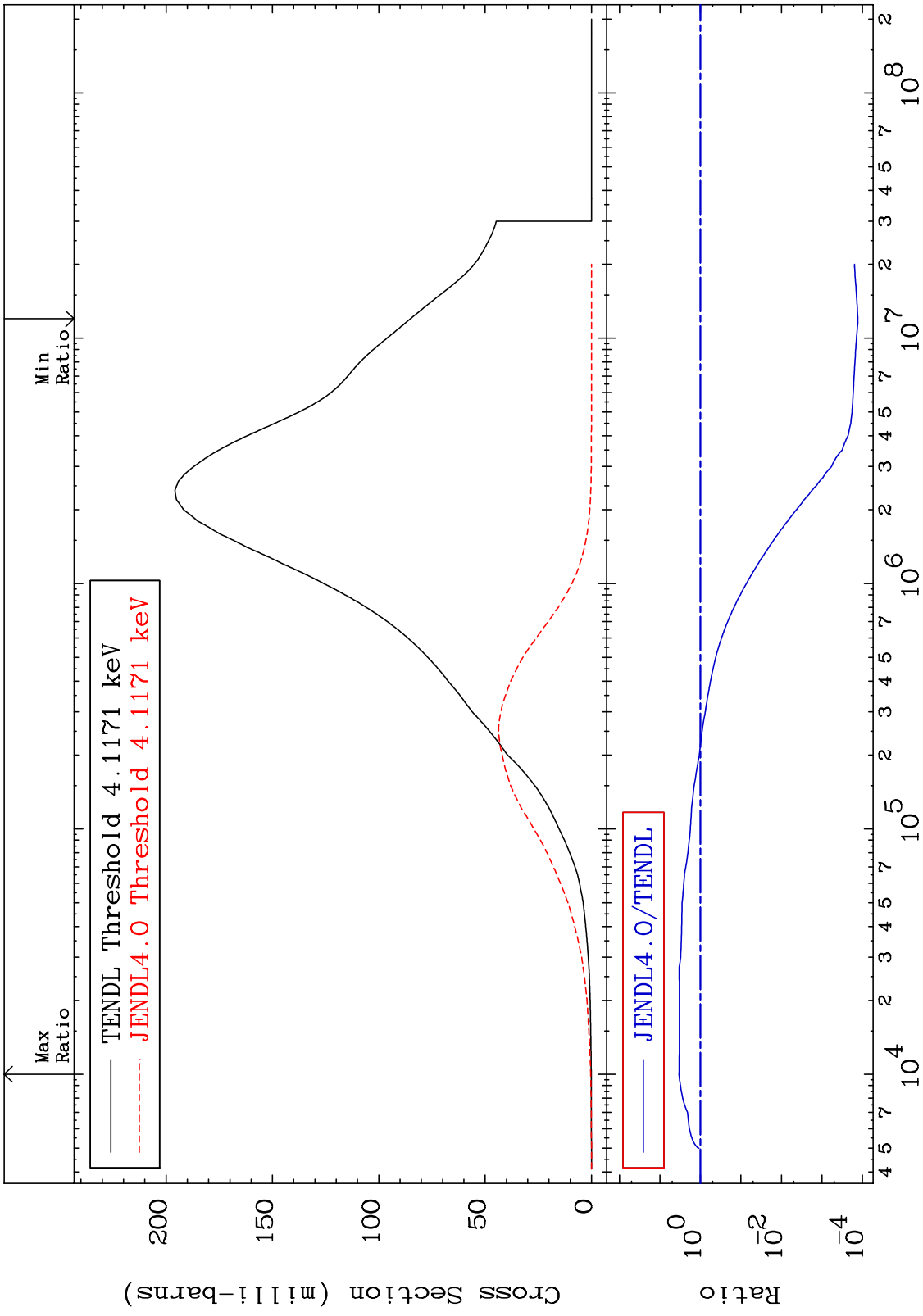
95-Am-242
-51.30 To 9999. %



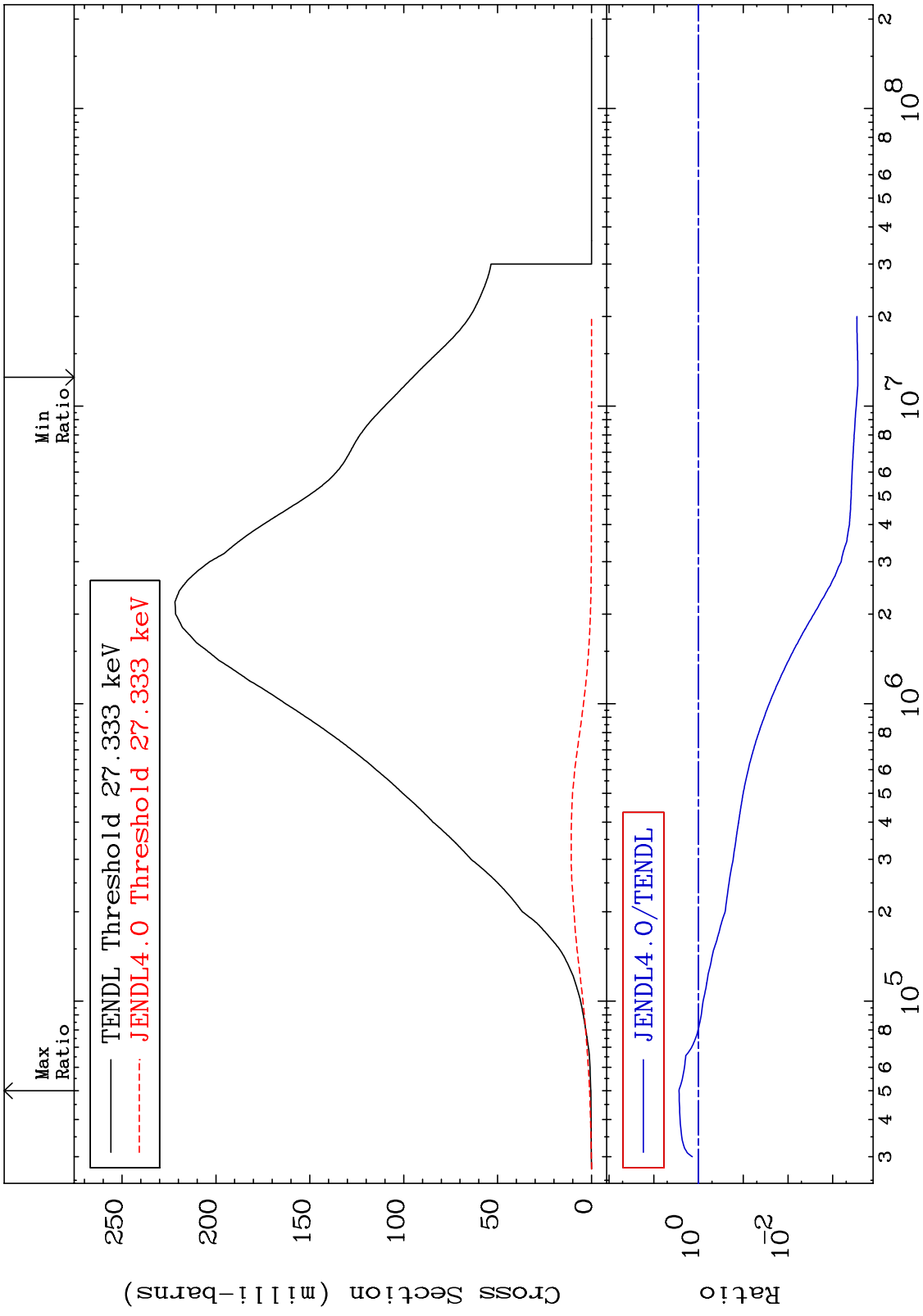
13

95-Am-242

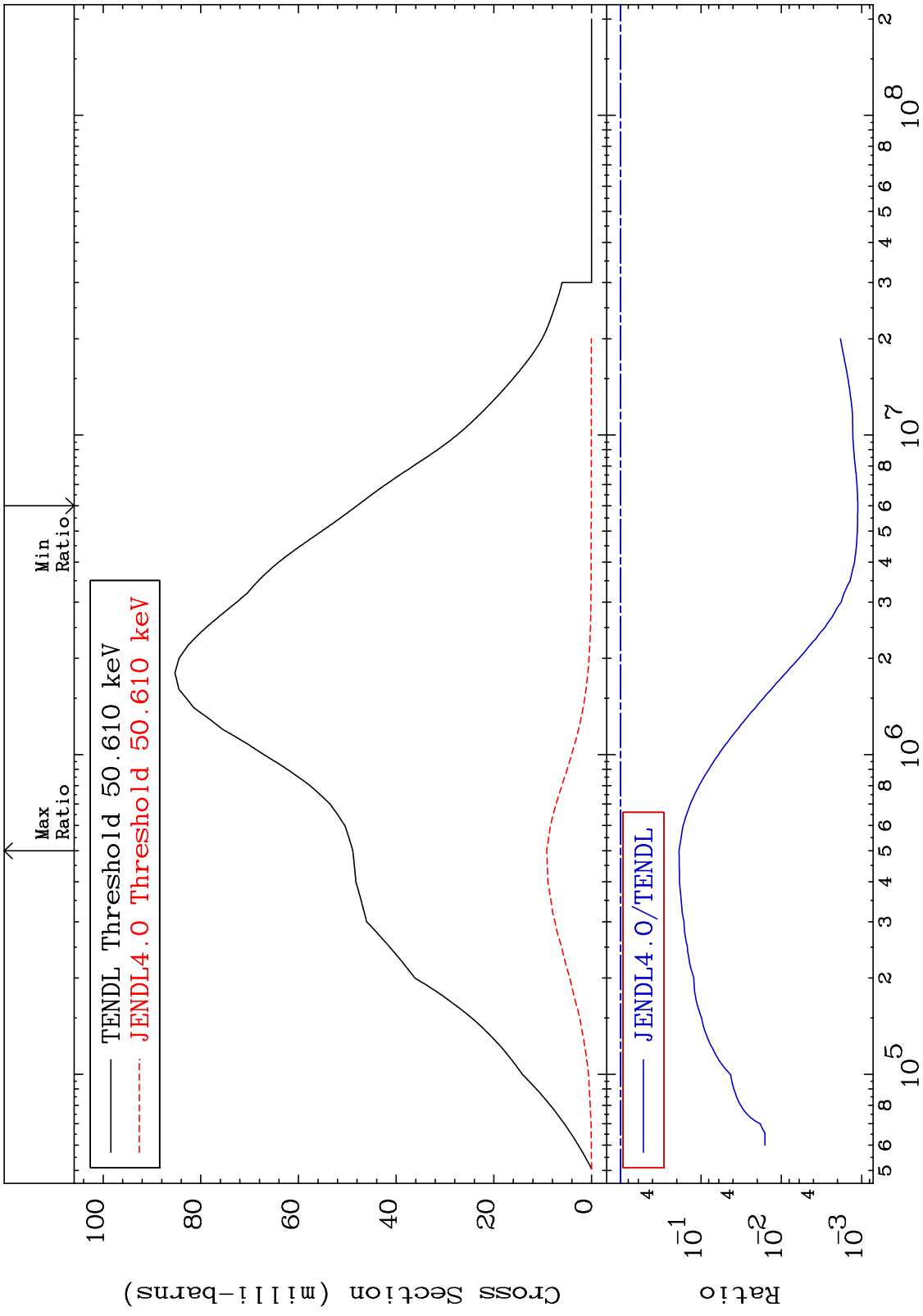
MAT 9547 MT= 53 (n,n') Level Cross Section 95-Am-242
 -99.99 To 237.6 %



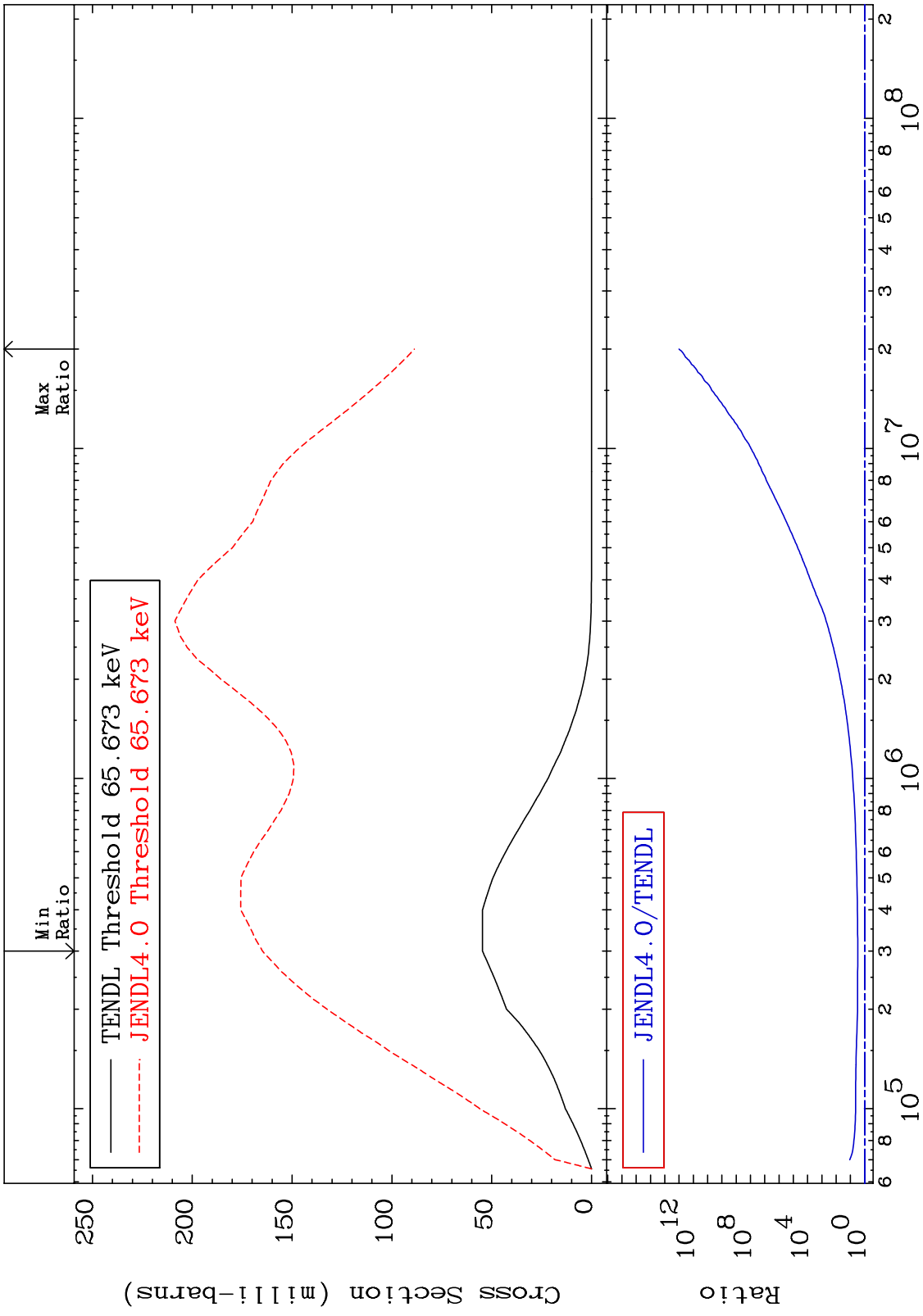
MAT 9547 MT= 54 (n,n') Level Cross Section 95-Am-242
 -99.97 To 172.2 %



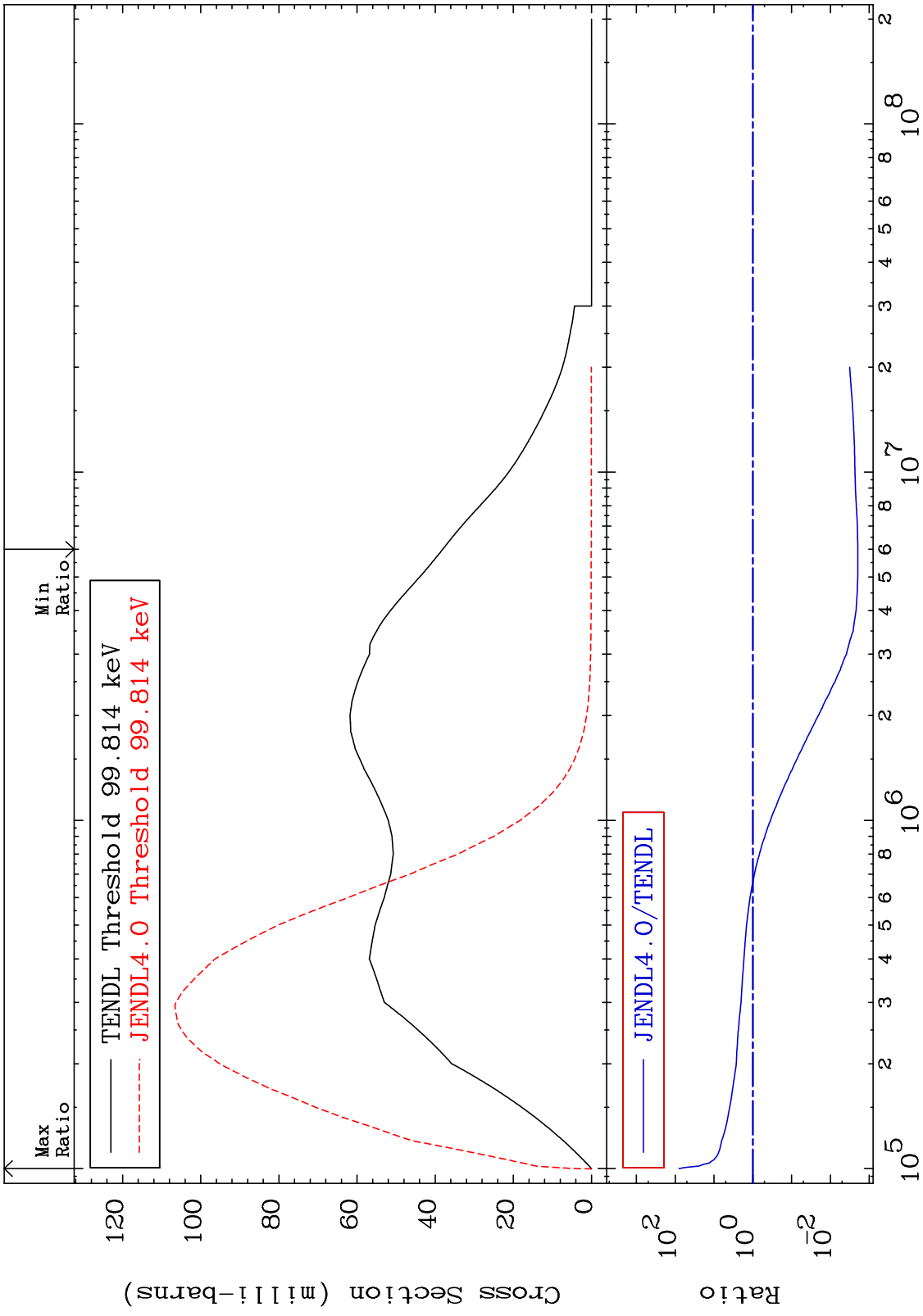
MAT 9547 MT= 55 (n,n') Level Cross Section 95-Am-242 -99.89 To -81.27%



MAT 9547 MT= 56 (n,n') Level Cross Section 95-Am-242 201.4 To 9999. %

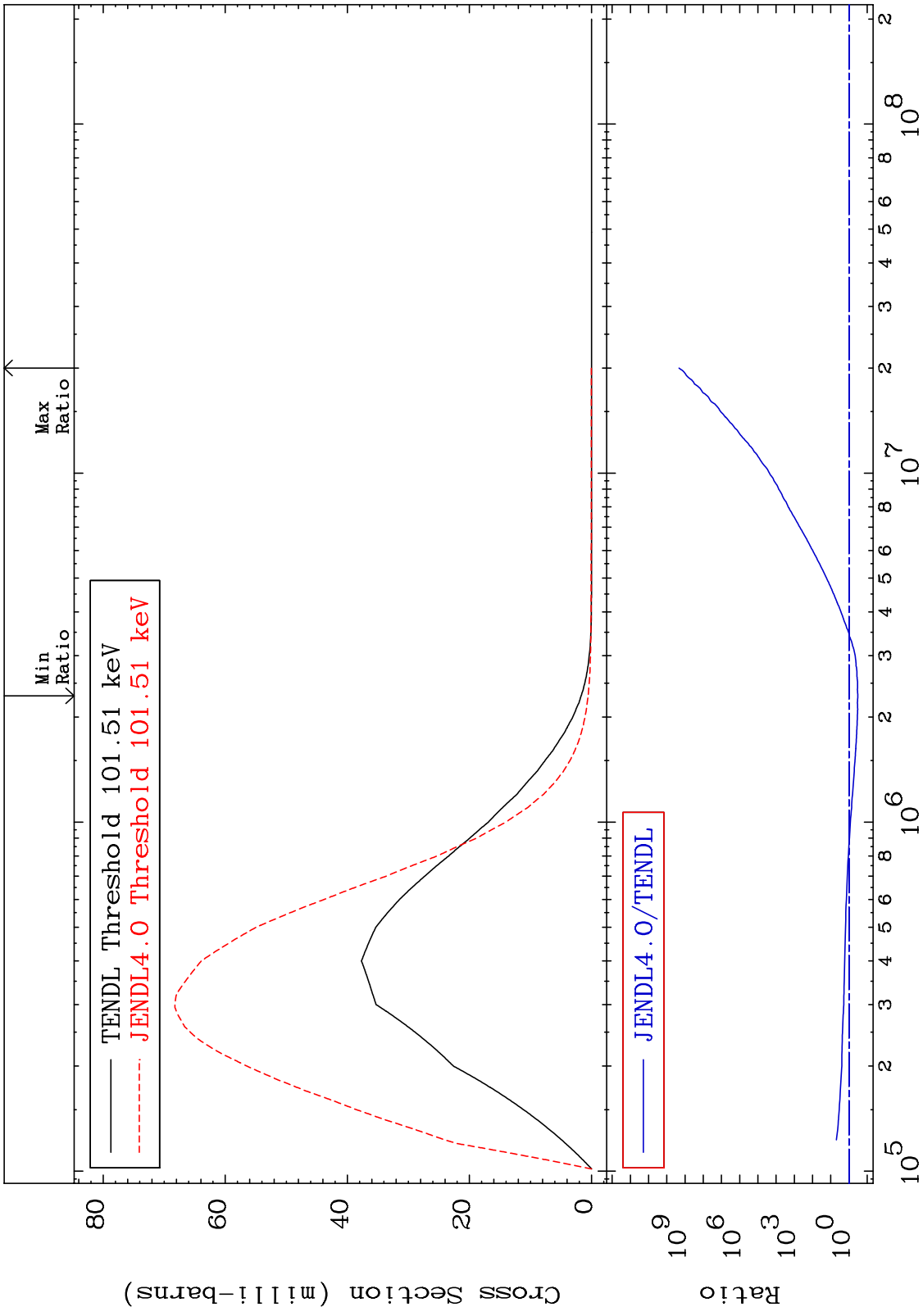


MAT 9547 MT= 57 (n,n') Level Cross Section 95-Am-242 -99.80 To 7863. %



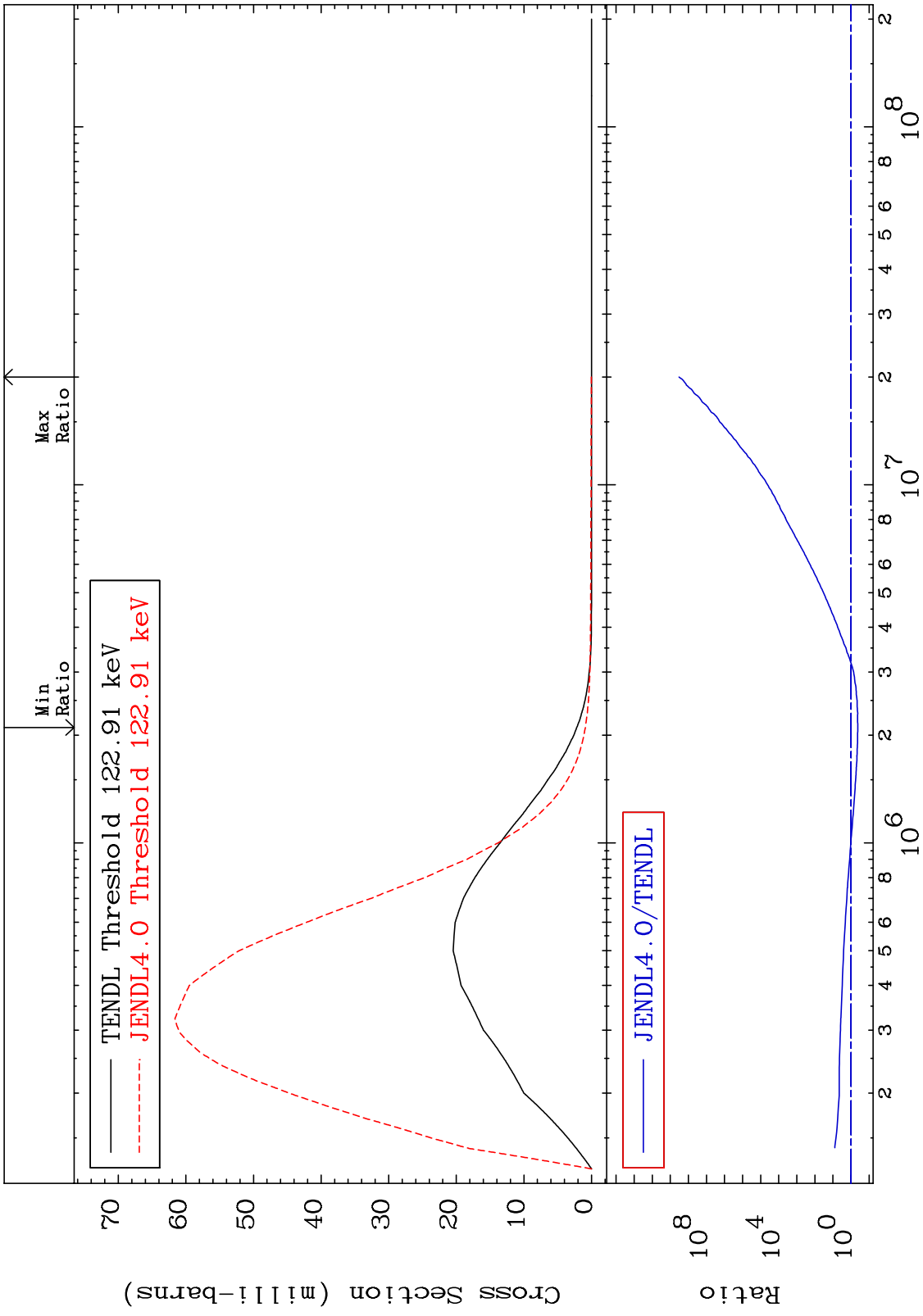
18 95-Am-242

MAT 9547 MT= 58 (n,n') Level Cross Section 95-Am-242
 -67.45 To 9999. %

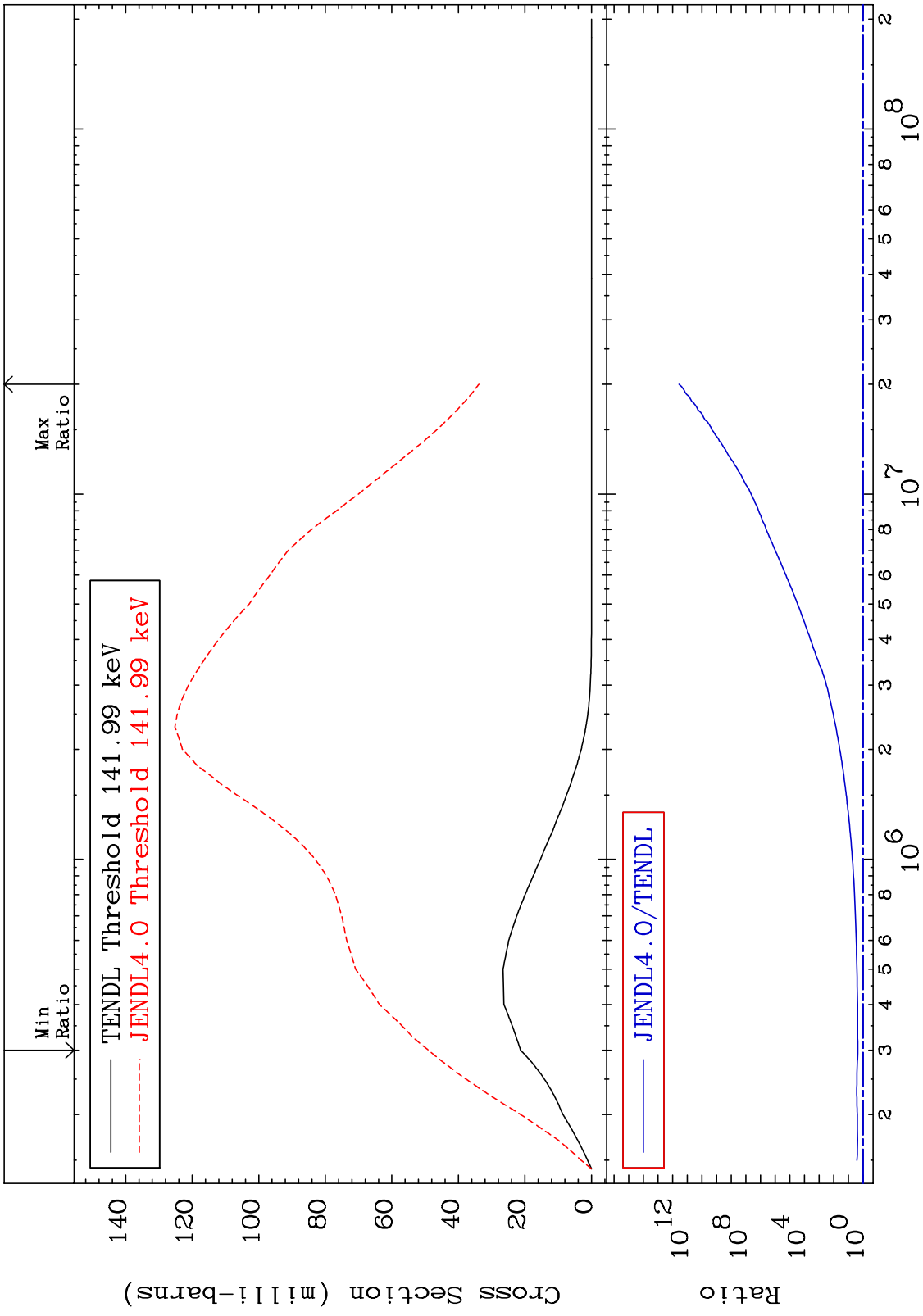


19 95-Am-242

MAT 9547 MT= 59 (n,n') Level Cross Section 95-Am-242
 -58.04 To 9999. %



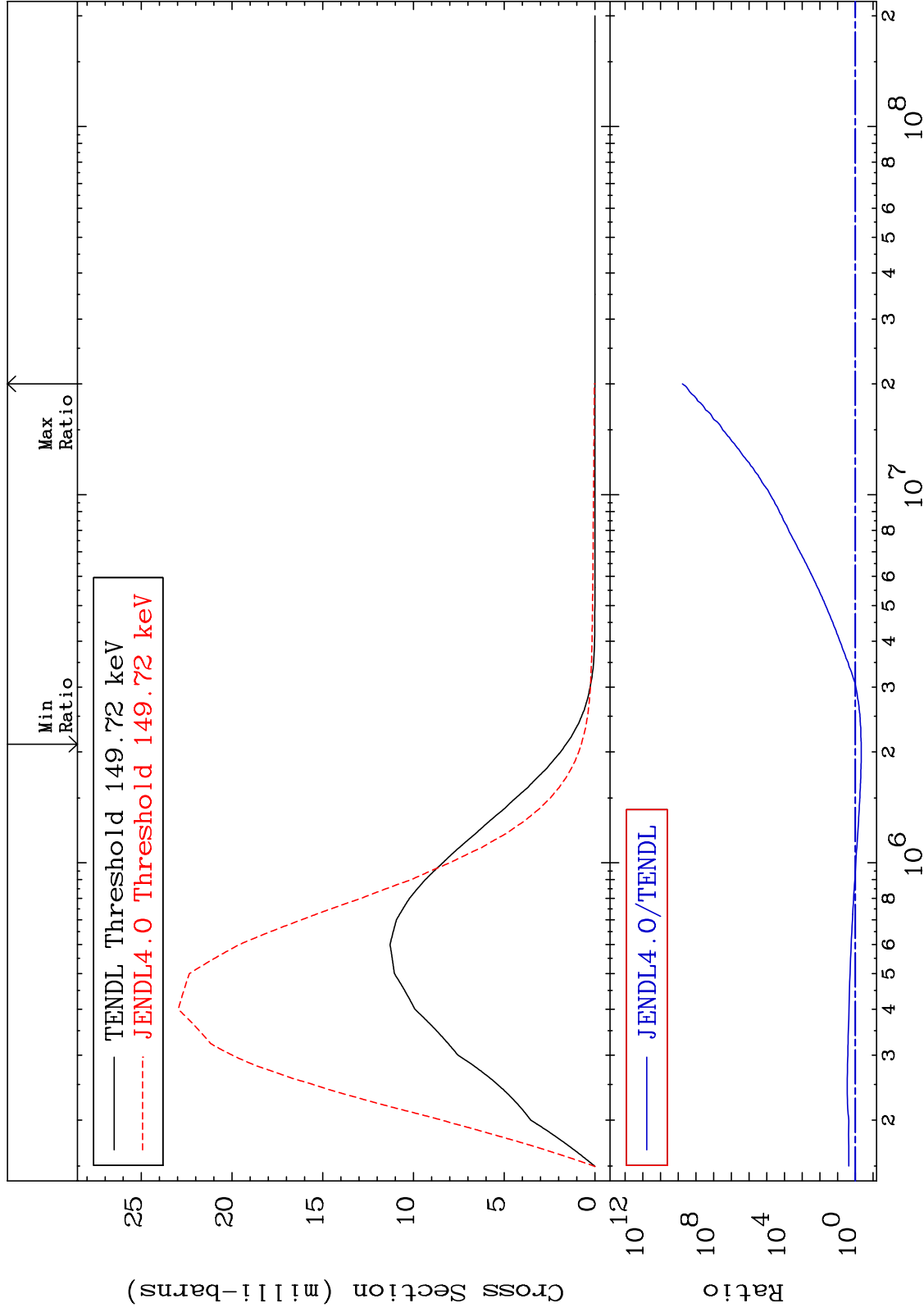
MAT 9547 MT= 60 (n,n') Level Cross Section 95-Am-242
 129.9 To 9999. %



MAT 9547

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

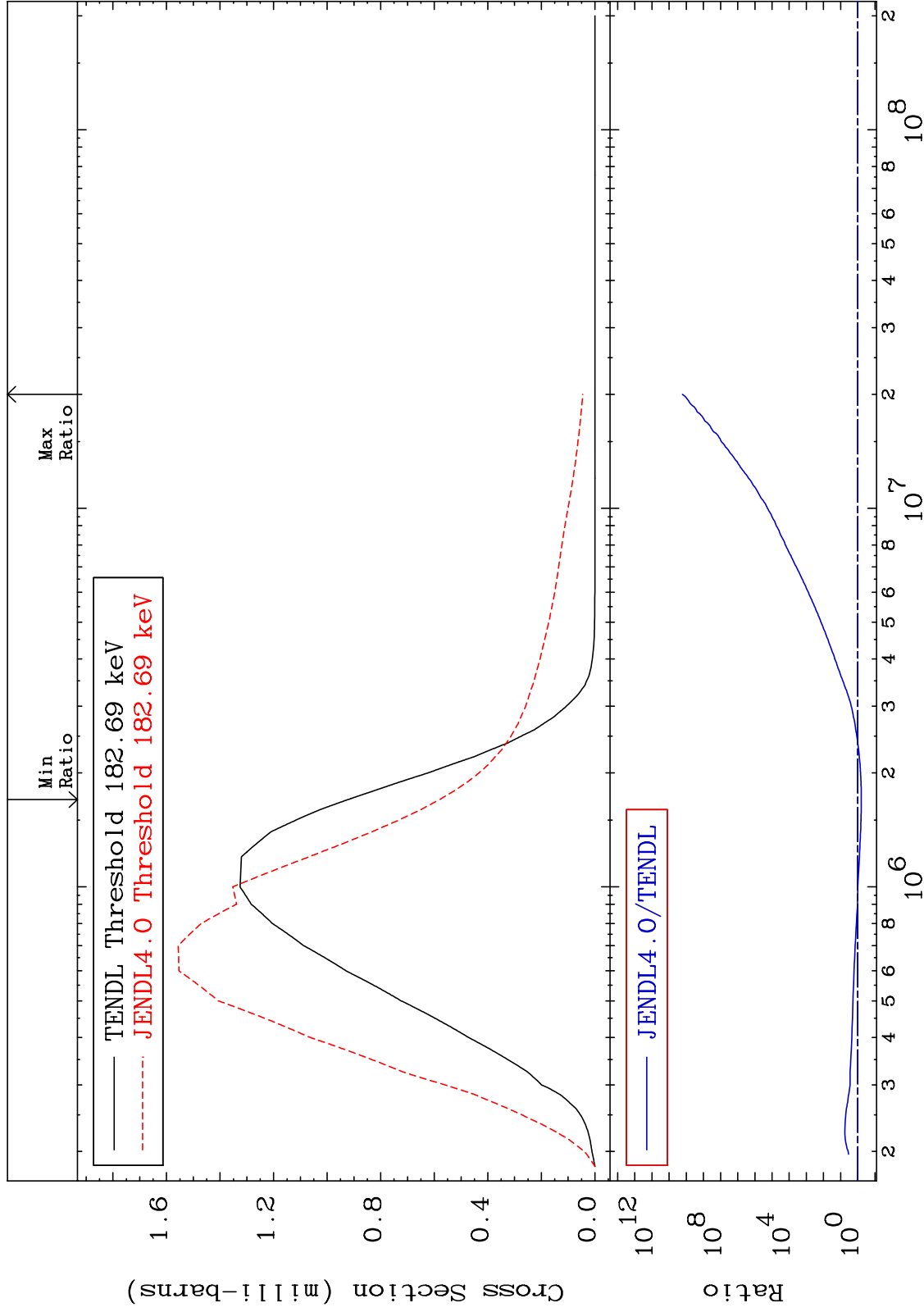
95-Am-242
-53.31 To 9999. %



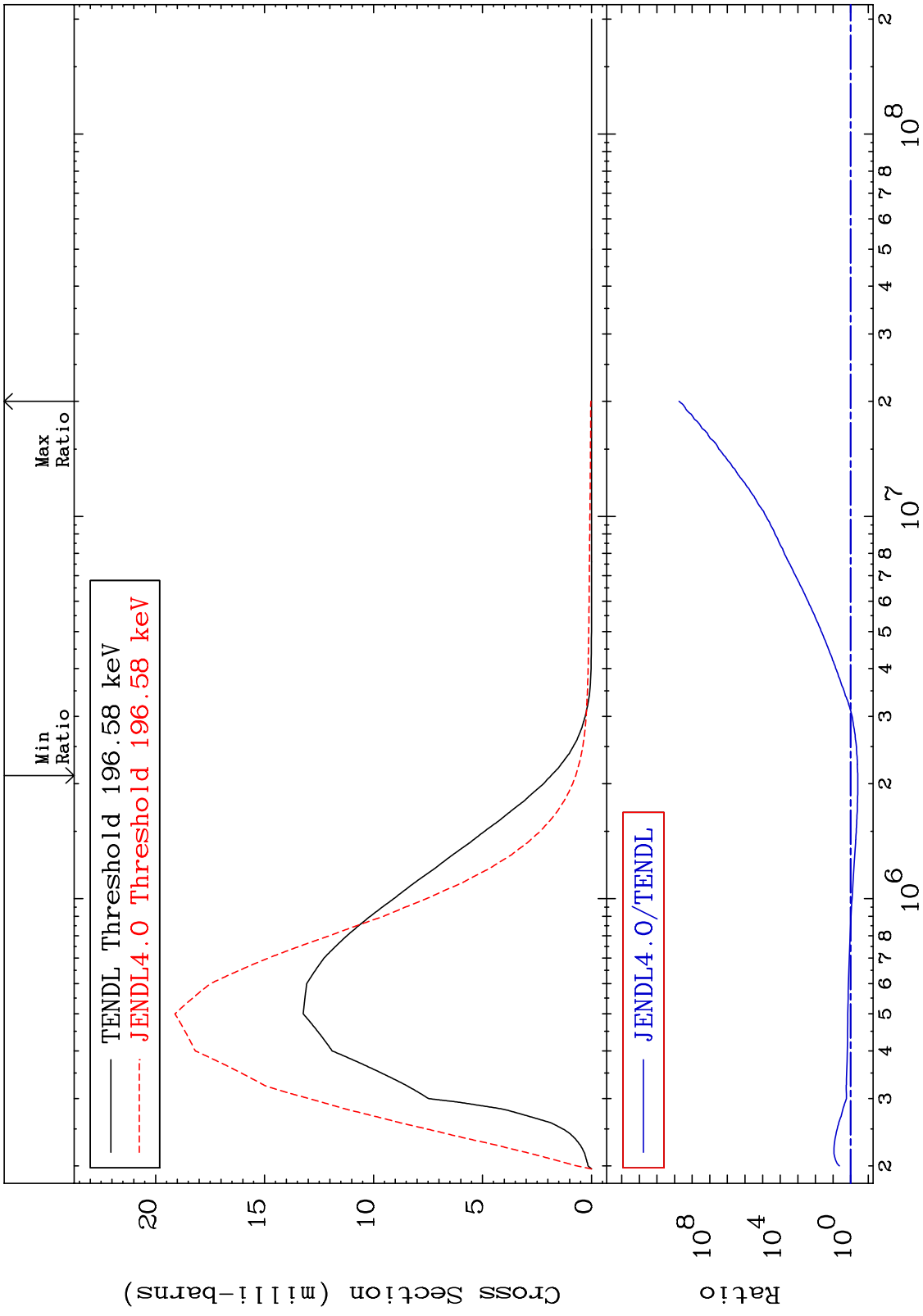
MAT 9547

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

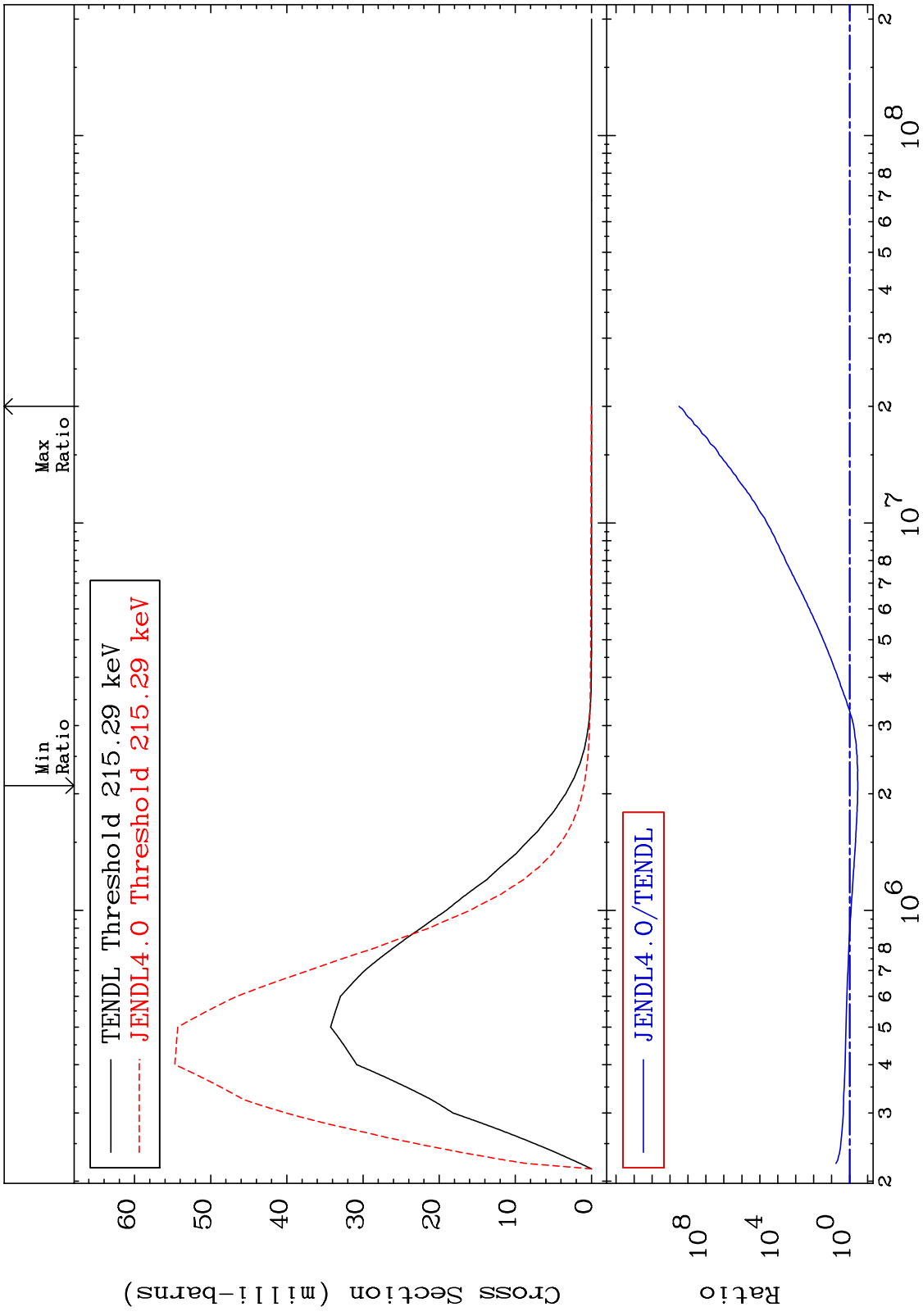
95-Am-242
-37.13 To 9999. %



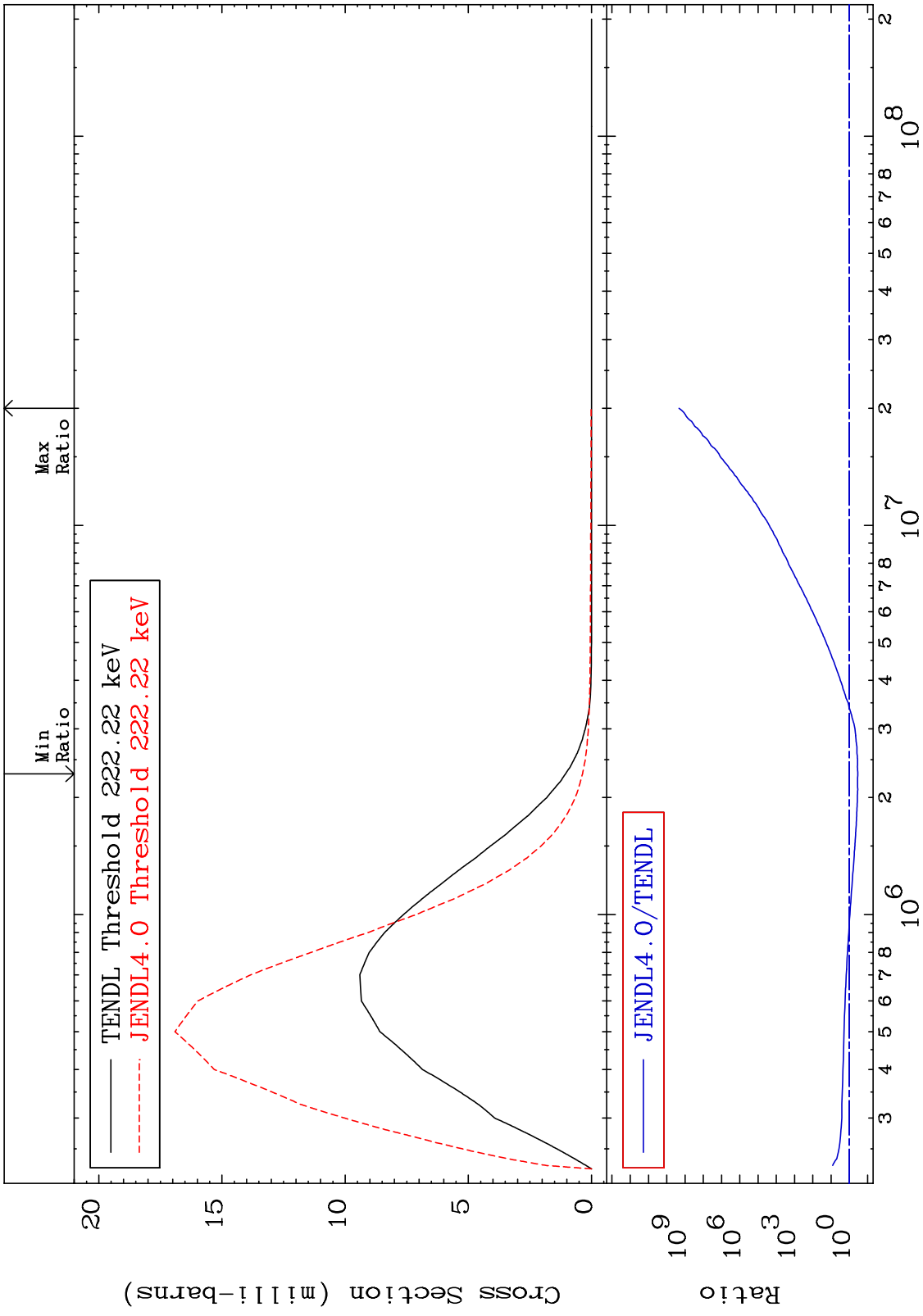
MAT 9547 MT= 63 (n,n') Level Cross Section 95-Am-242
 -61.00 To 9999. %



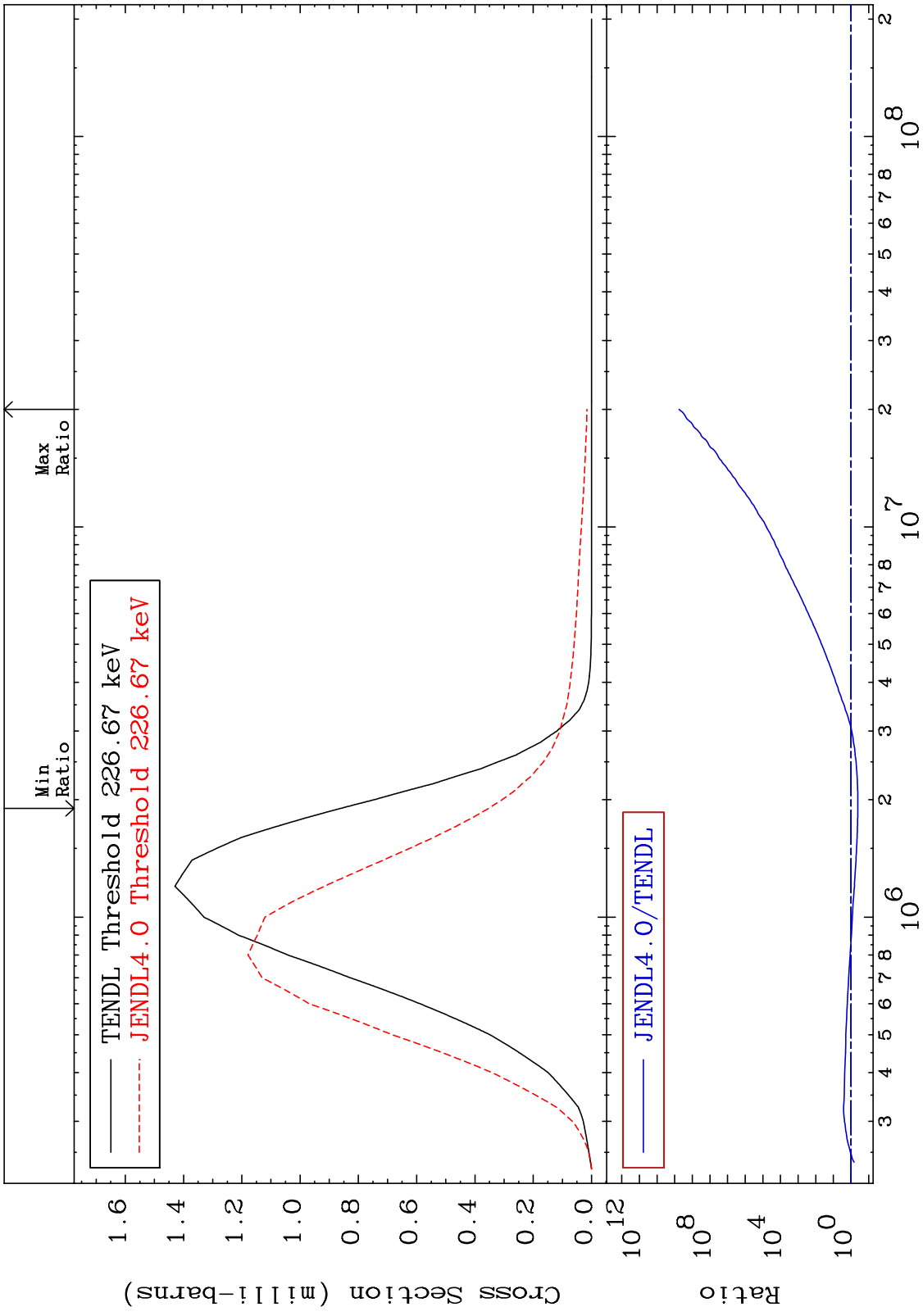
MAT 9547 MT= 64 (n,n') Level Cross Section 95-Am-242
 -65.22 To 9999. %



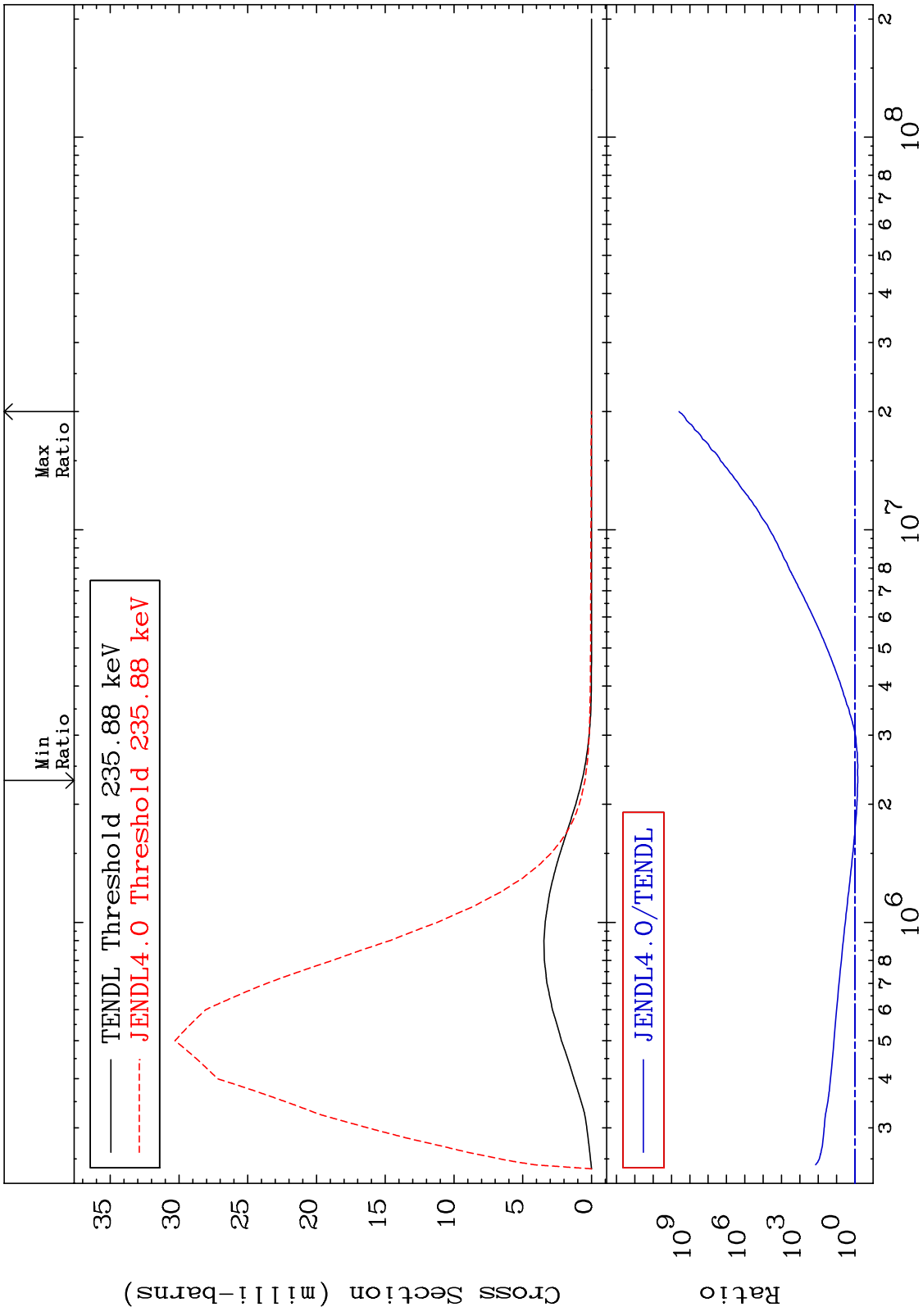
MAT 9547 MT= 65 (n,n') Level Cross Section 95-Am-242
 -65.68 To 9999. %



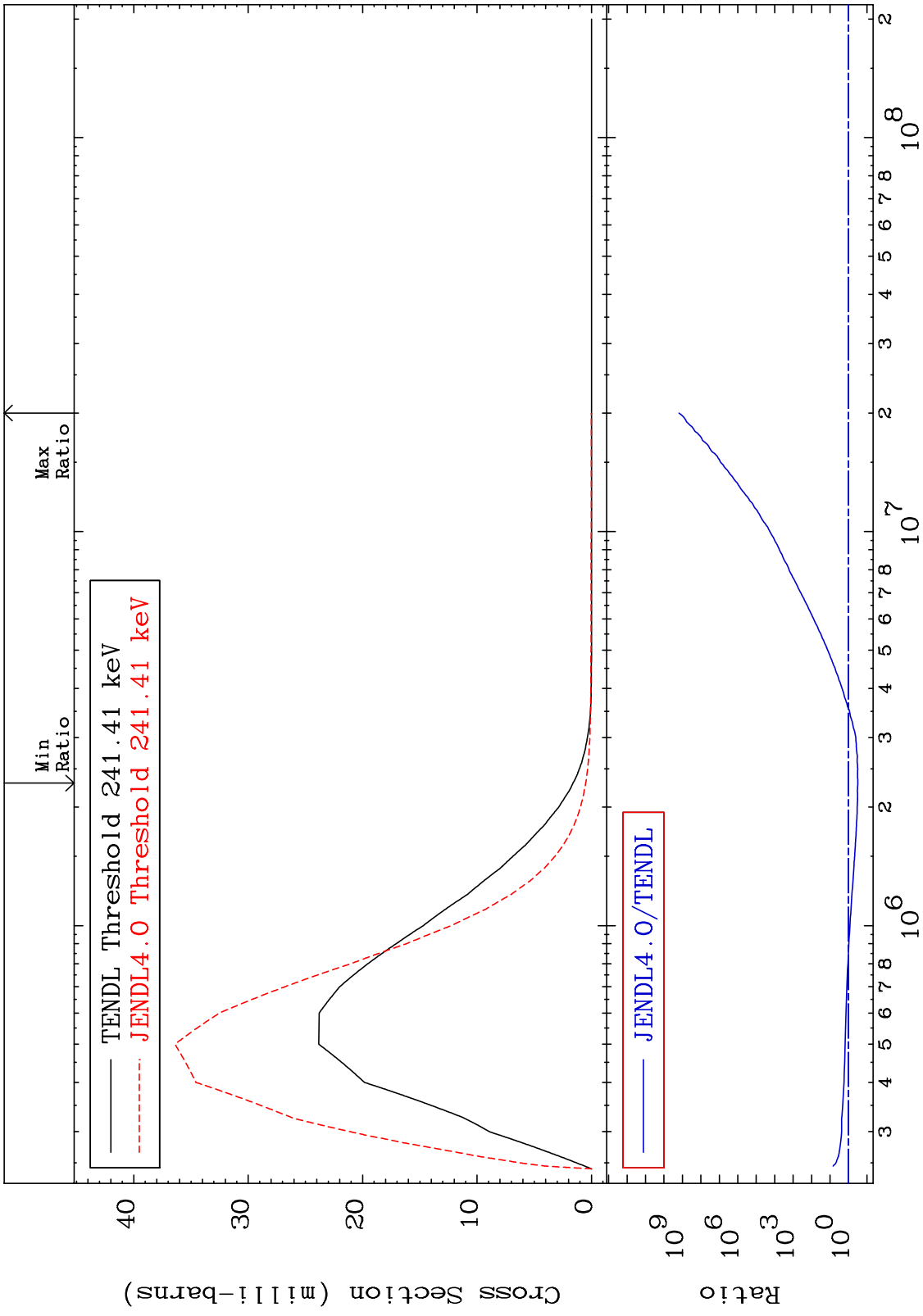
MAT 9547 MT= 66 (n,n') Level Cross Section 95-Am-242
 -59.00 To 9999. %



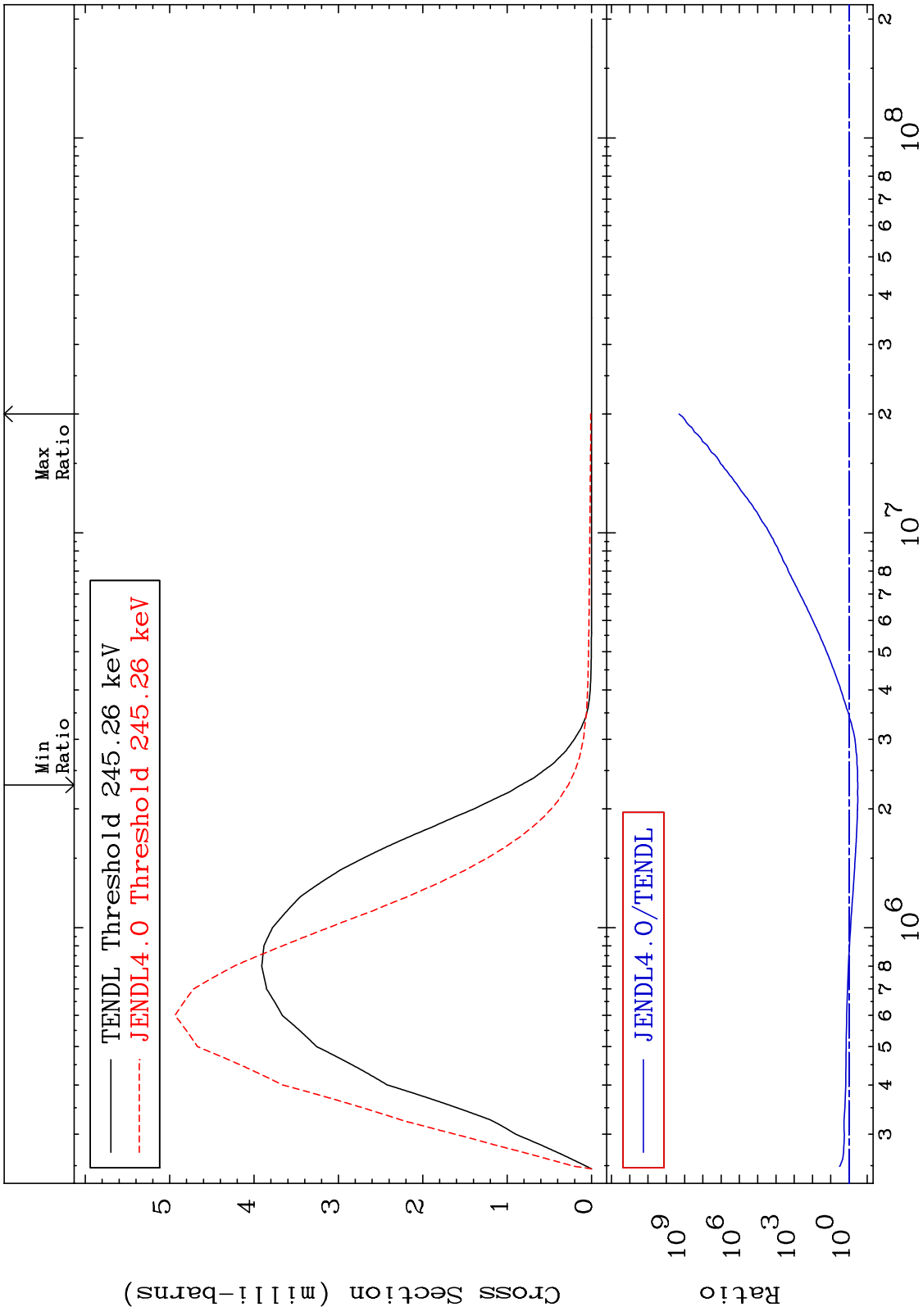
MAT 9547 MT= 67 (n,n') Level Cross Section 95-Am-242
 -31.10 To 9999. %



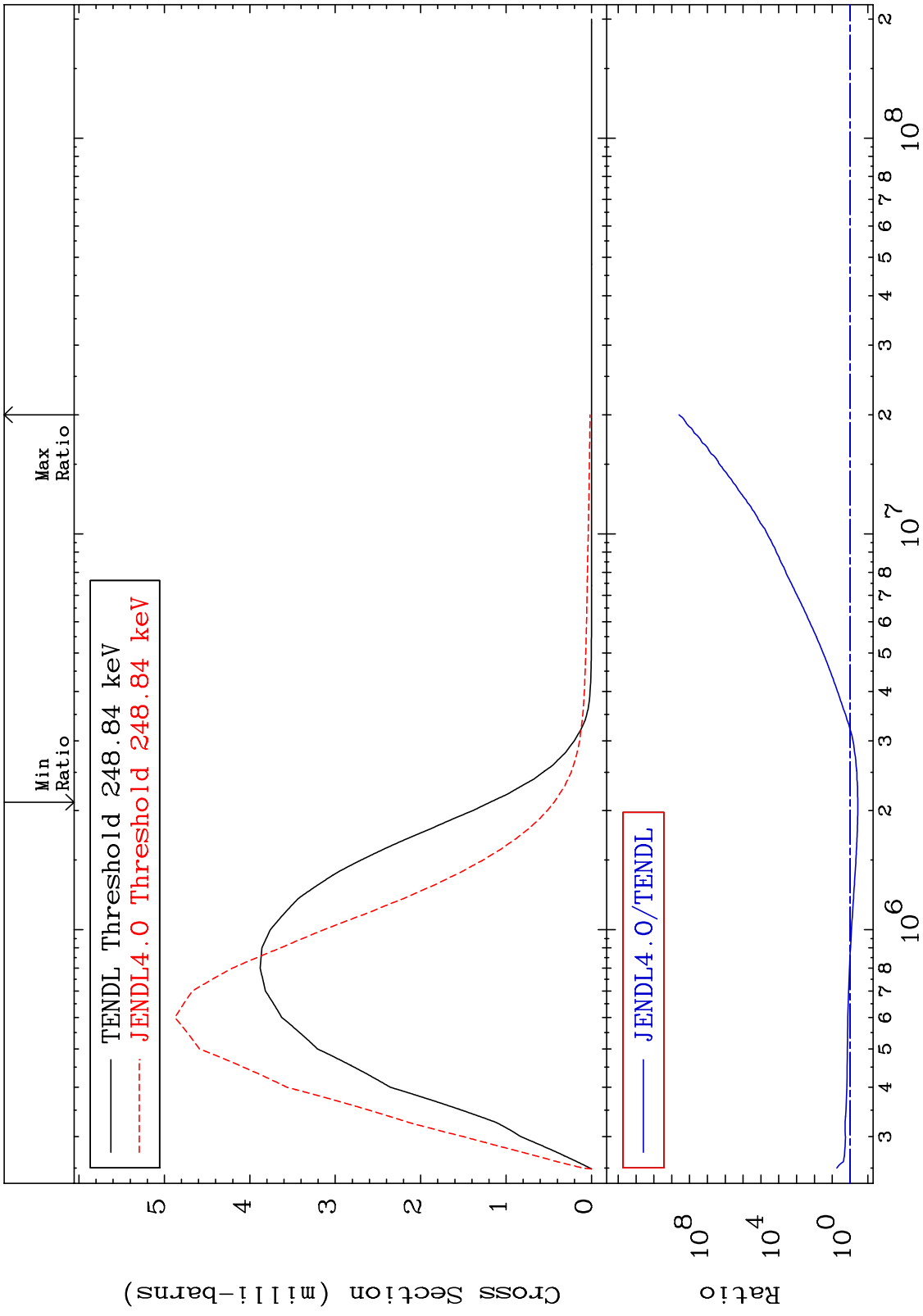
MAT 9547 MT= 68 (n,n') Level Cross Section 95-Am-242
 -68.82 To 9999. %



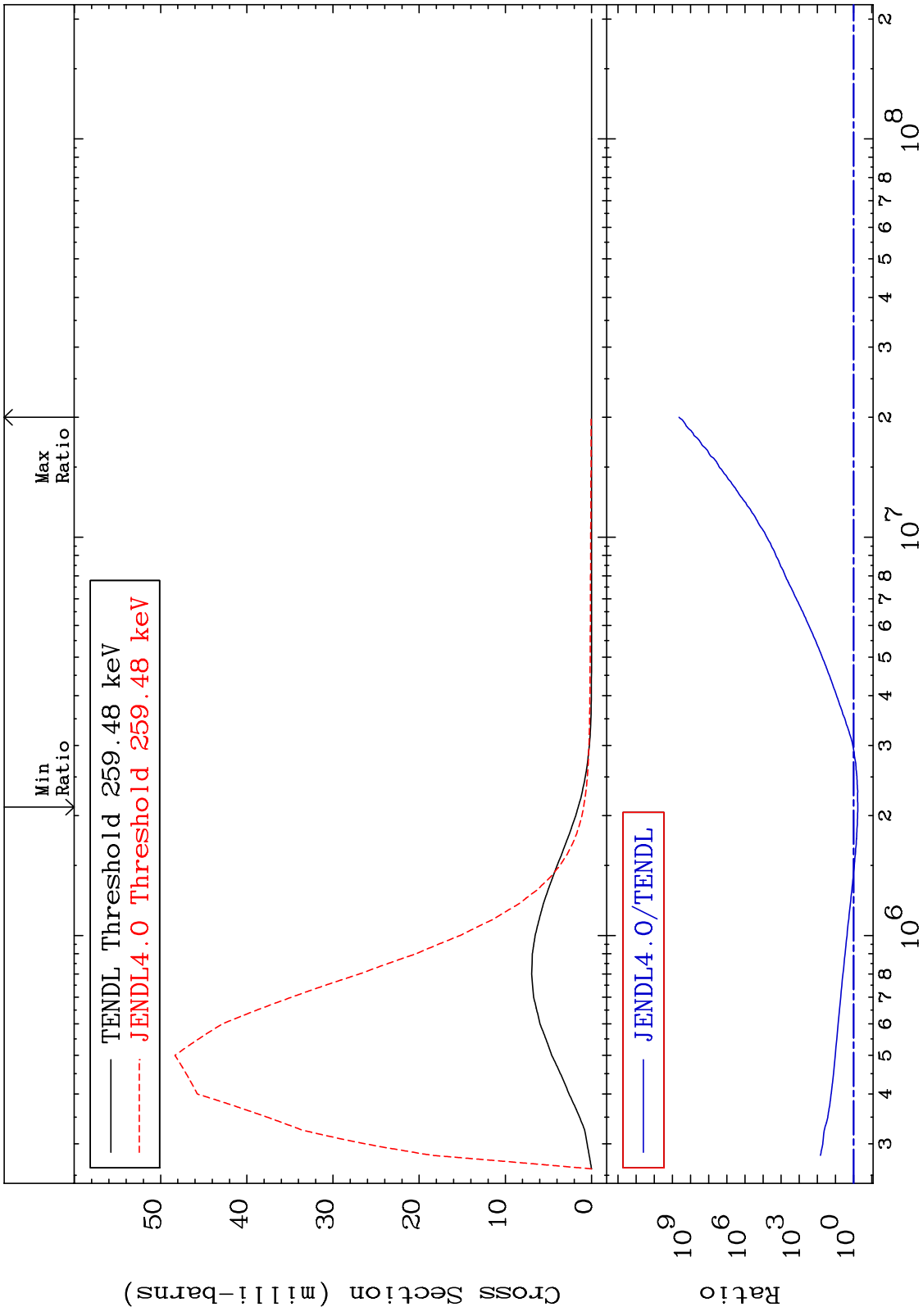
MAT 9547 MT= 69 (n,n') Level Cross Section 95-Am-242
 -67.10 To 9999. %



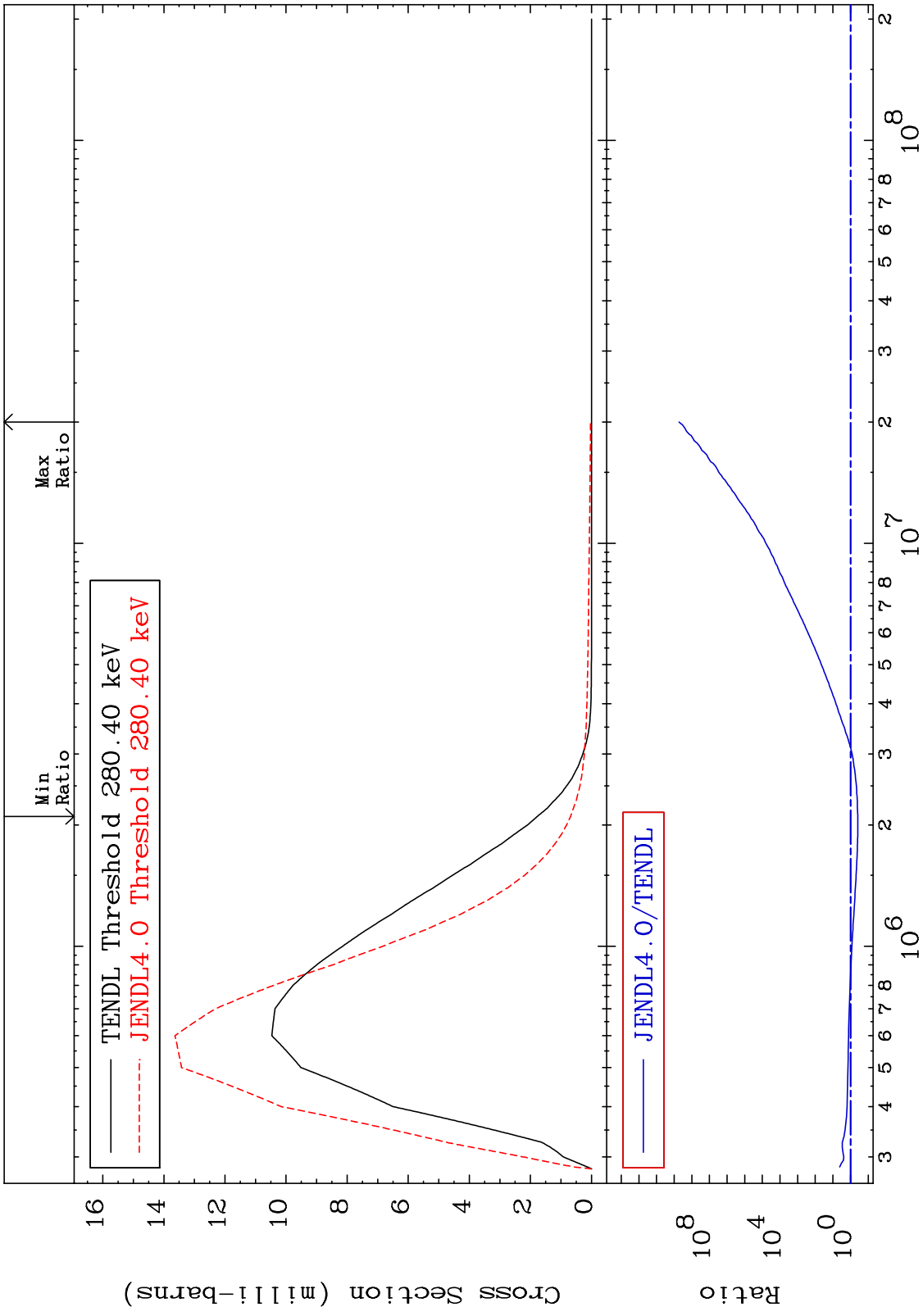
MAT 9547 MT= 70 (n,n') Level Cross Section 95-Am-242
 -63.26 To 9999. %



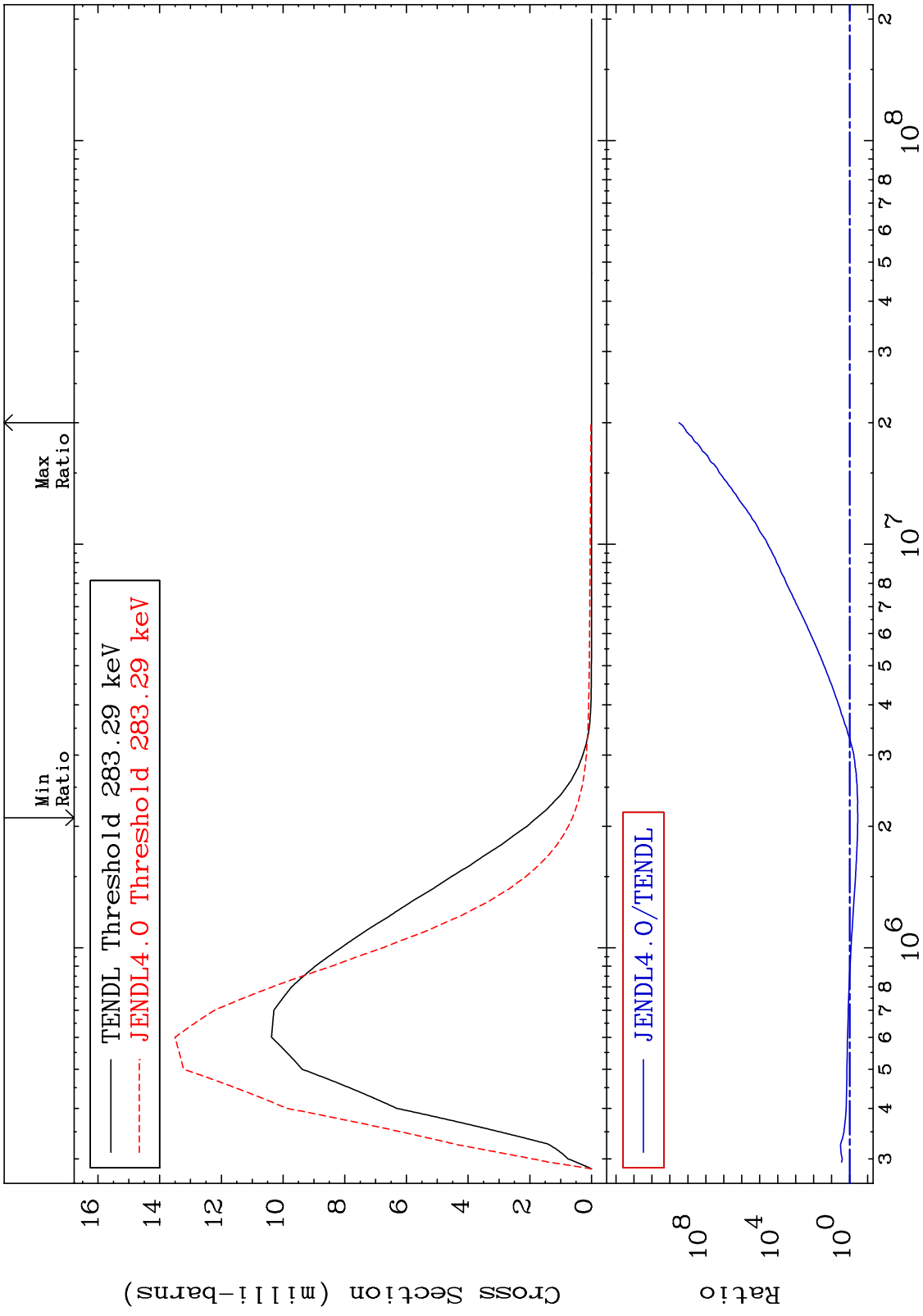
MAT 9547 MT= 71 (n,n') Level Cross Section 95-Am-242
 -40.98 To 9999. %



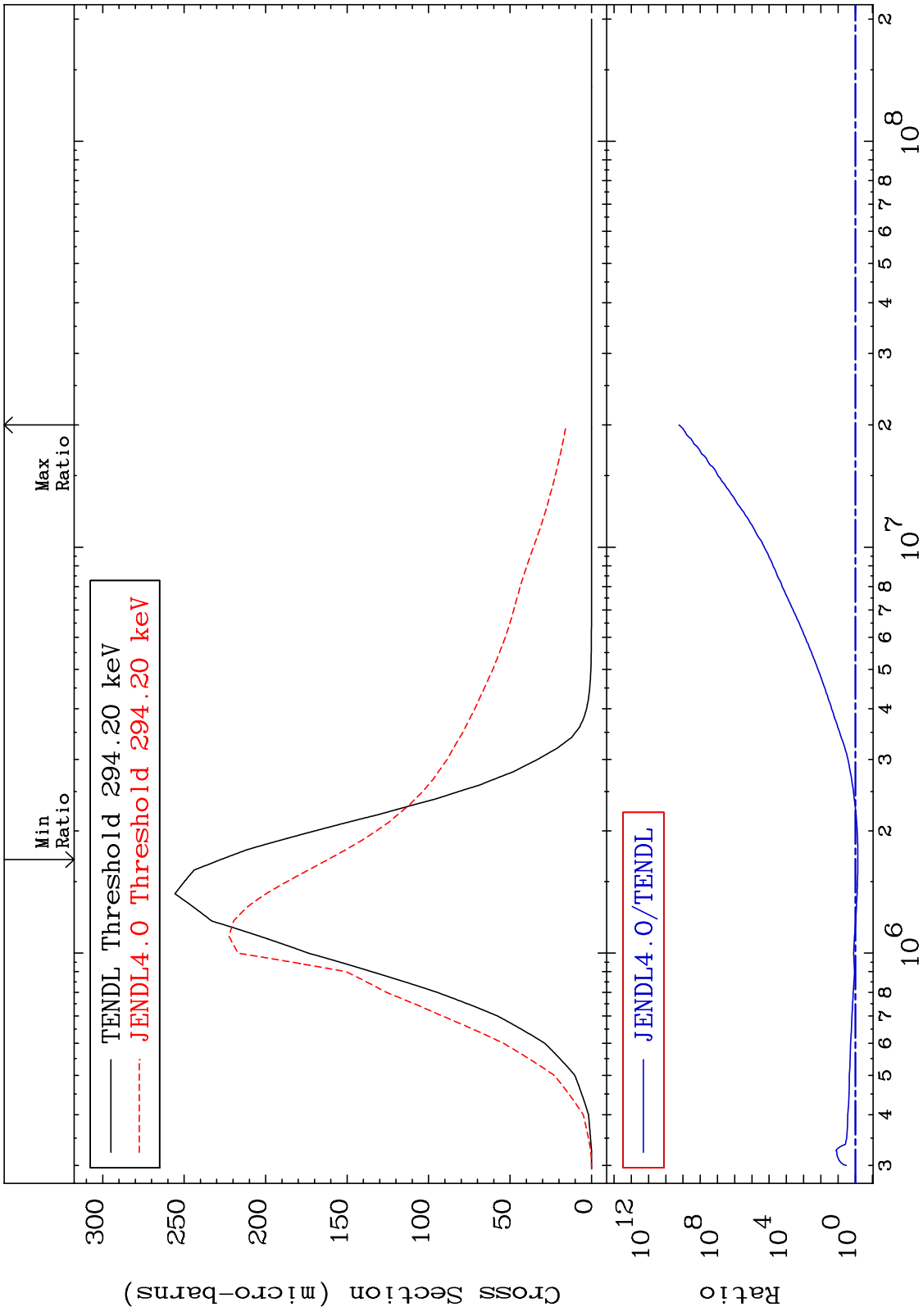
MAT 9547 MT= 72 (n,n') Level Cross Section 95-Am-242
 -61.42 To 9999. %



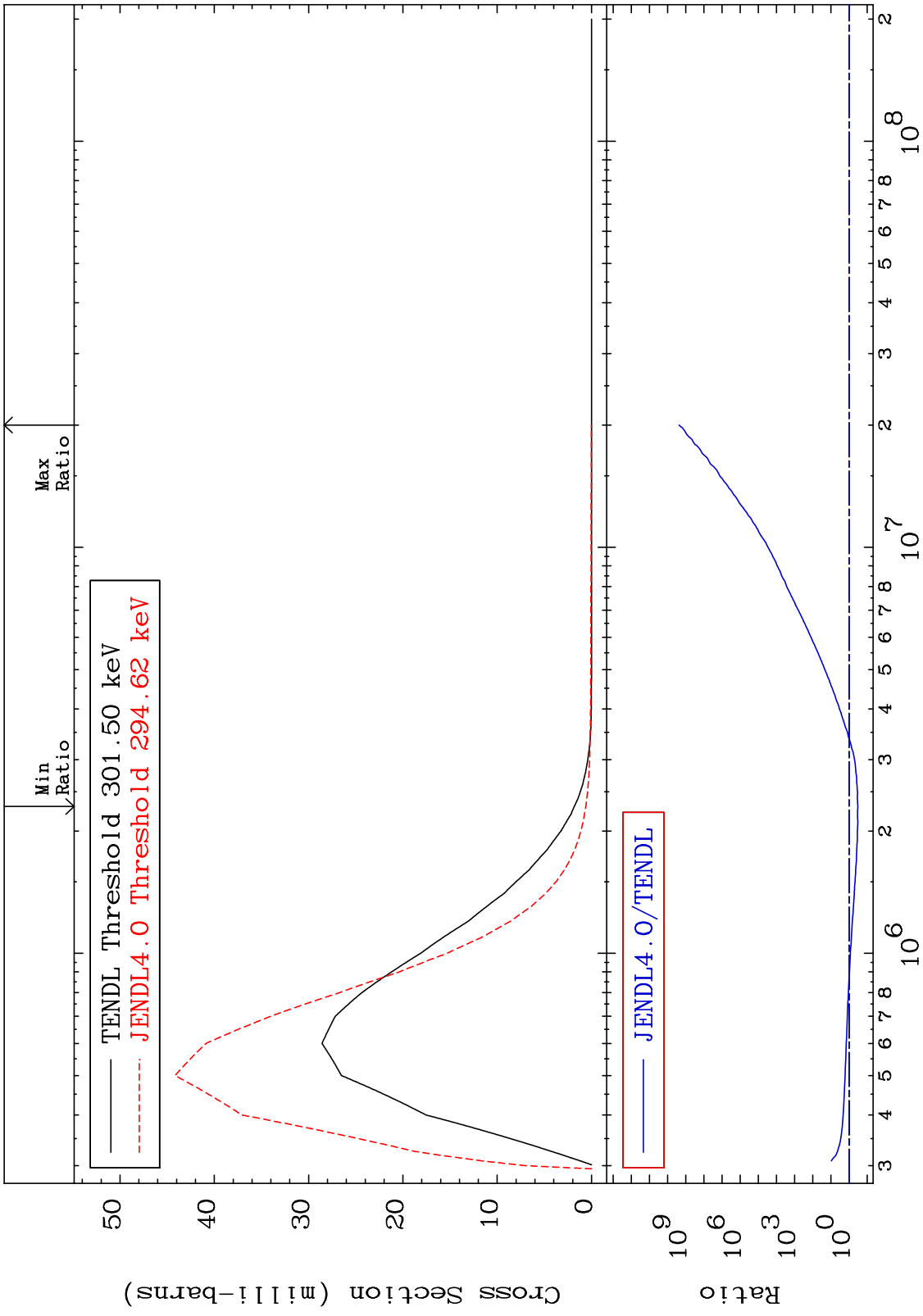
MAT 9547 MT= 73 (n,n') Level Cross Section 95-Am-242
 -65.18 To 9999. %



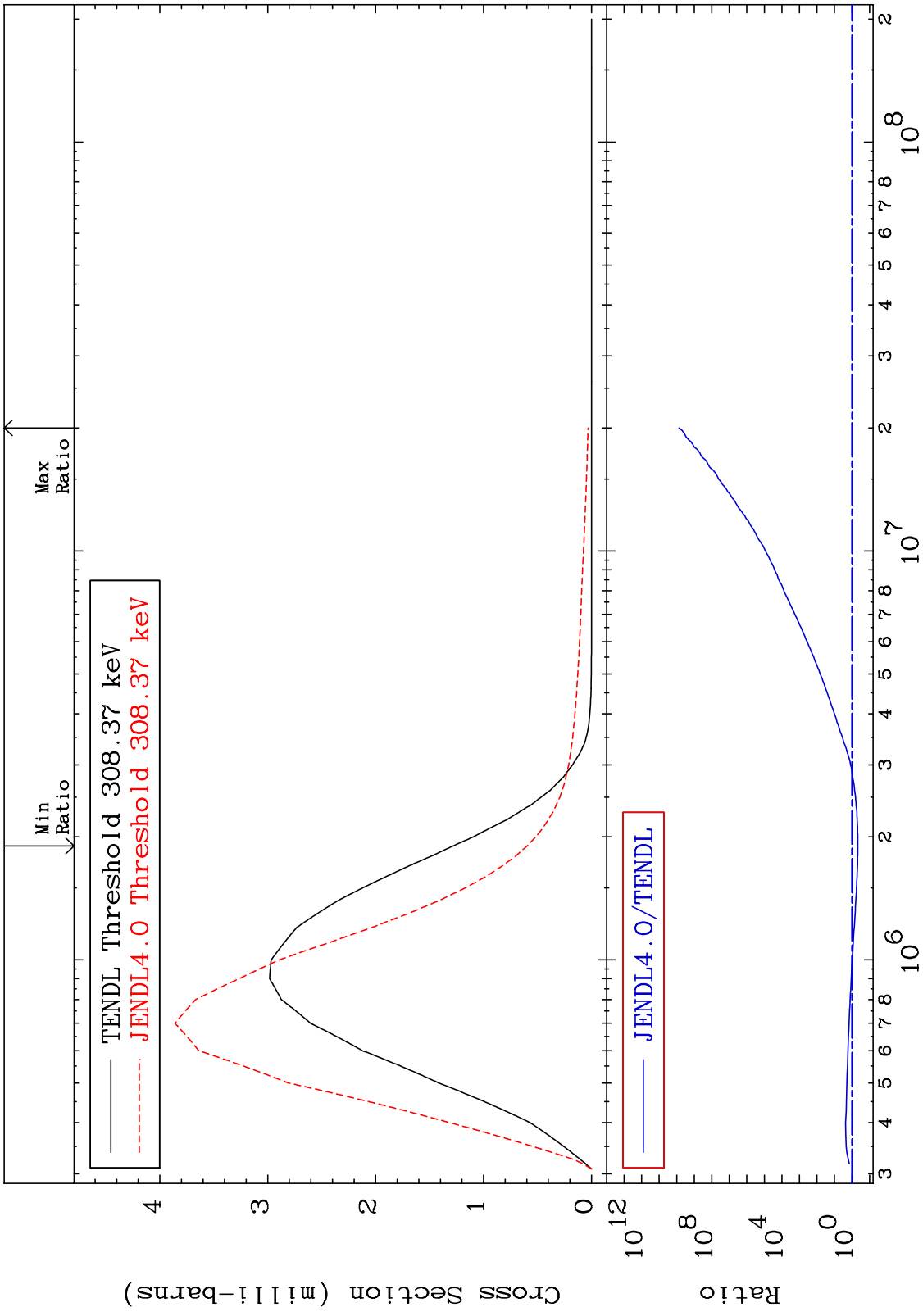
MAT 9547 MT= 74 (n,n') Level Cross Section 95-Am-242
 -28.91 To 9999. %



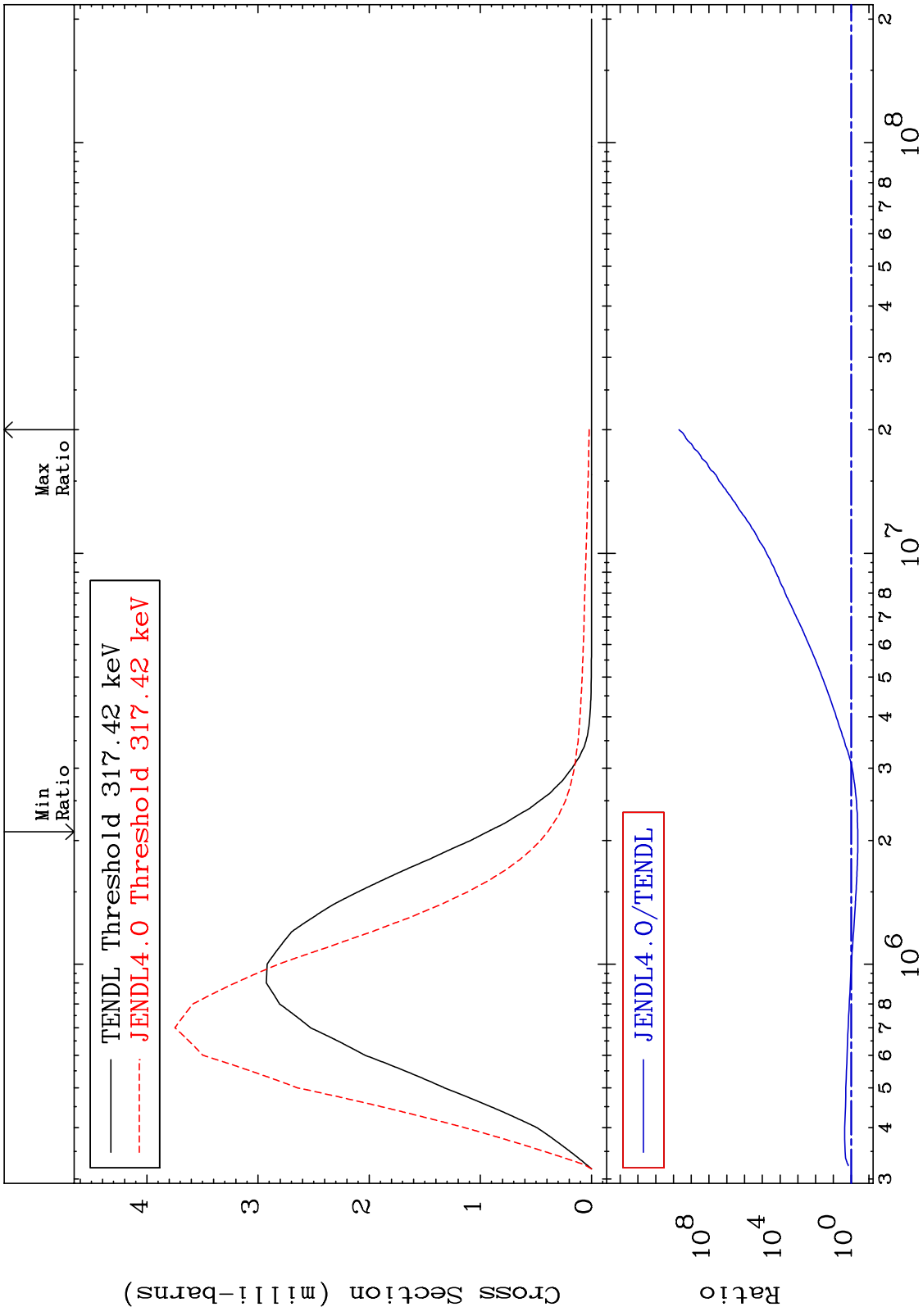
MAT 9547 MT= 75 (n,n') Level Cross Section 95-Am-242
 -66.89 To 9999. %



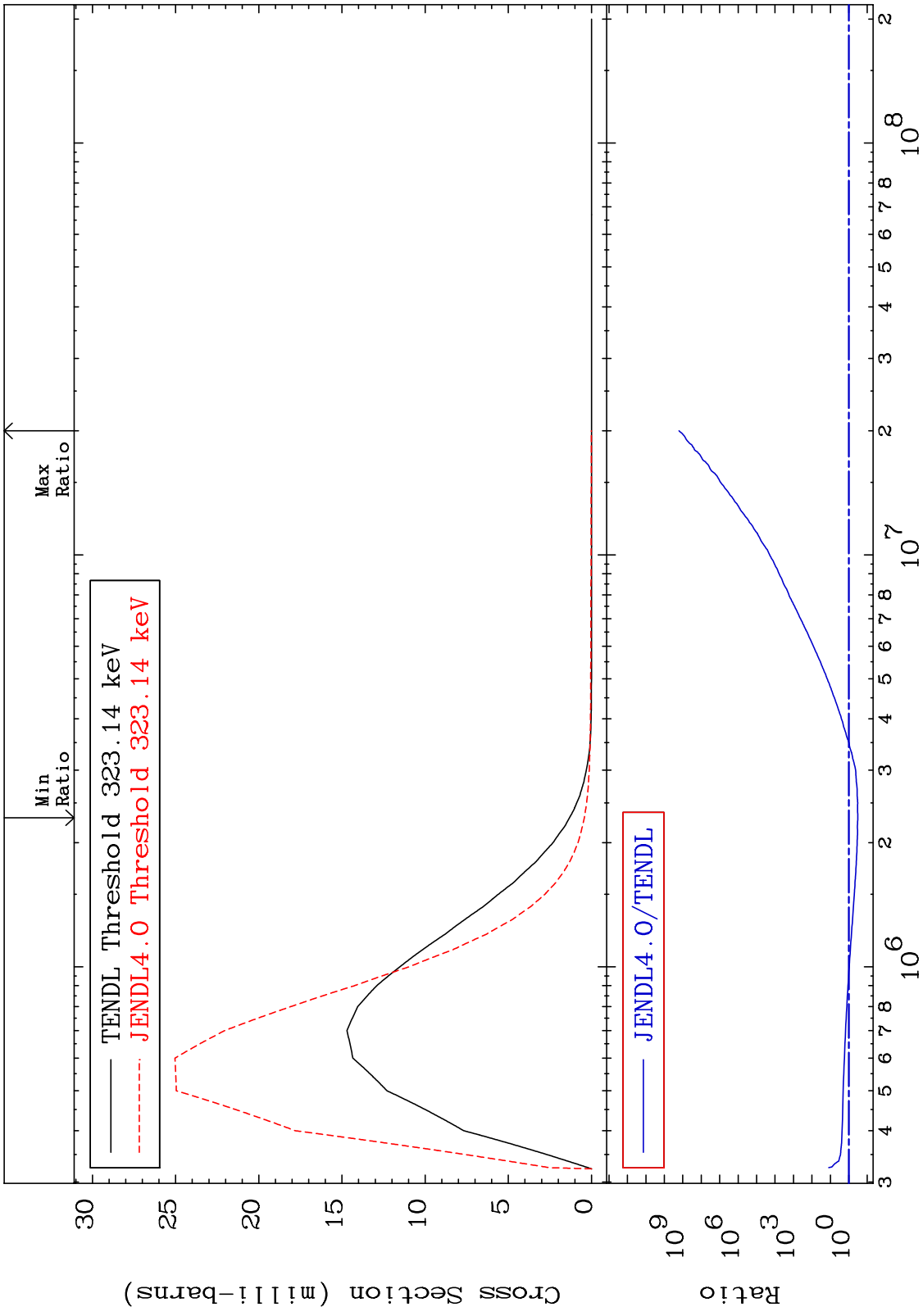
MAT 9547 MT= 76 (n,n') Level Cross Section 95-Am-242
 -53.50 To 9999. %



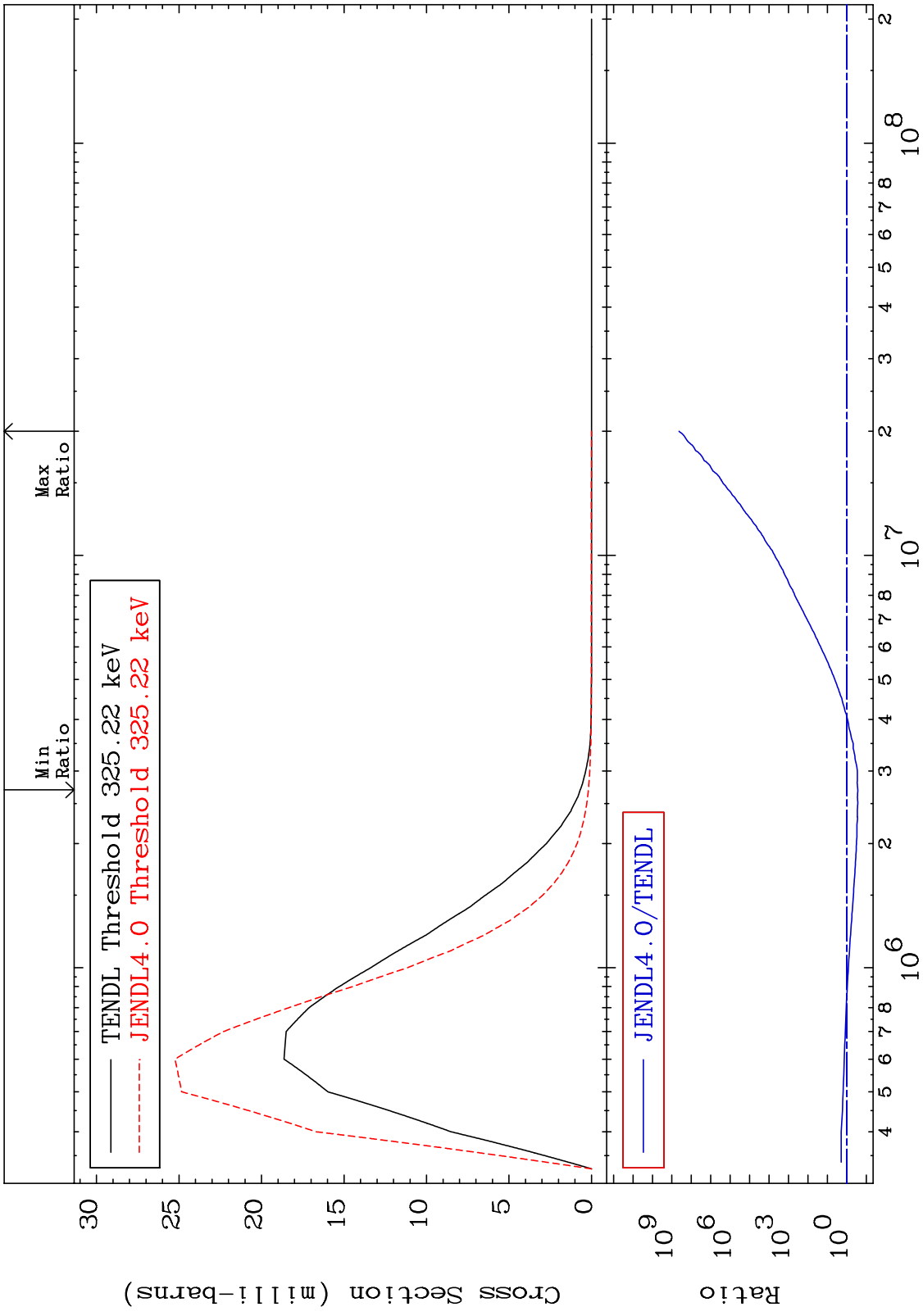
MAT 9547 MT= 77 (n,n') Level Cross Section 95-Am-242
 -58.01 To 9999. %



MAT 9547 MT= 78 (n,n') Level Cross Section 95-Am-242
 -67.59 To 9999. %



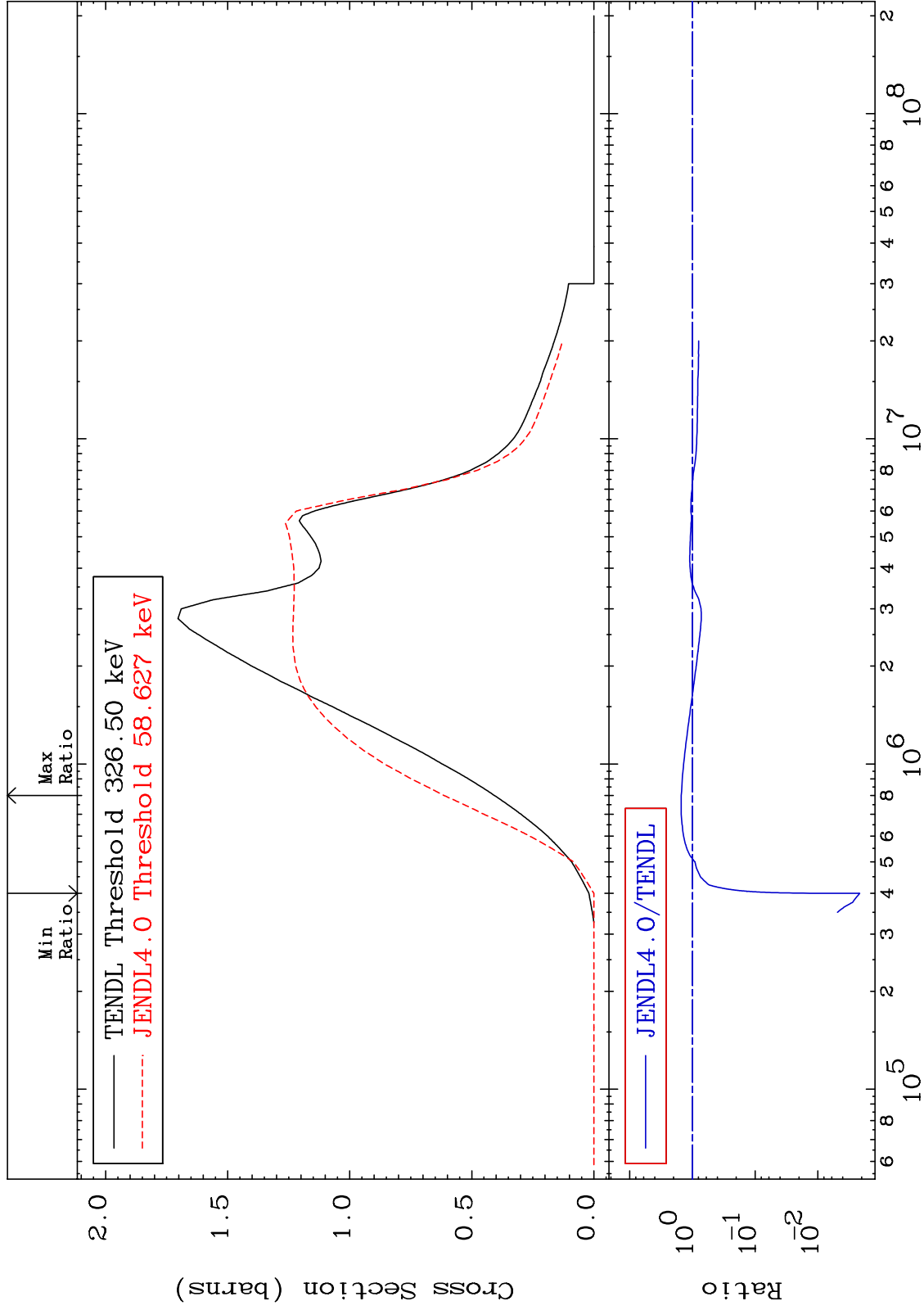
MAT 9547 MT= 79 (n,n') Level Cross Section 95-Am-242
 -72.74 To 9999. %



MAT 9547

(n, n') Continuum
Cross Section

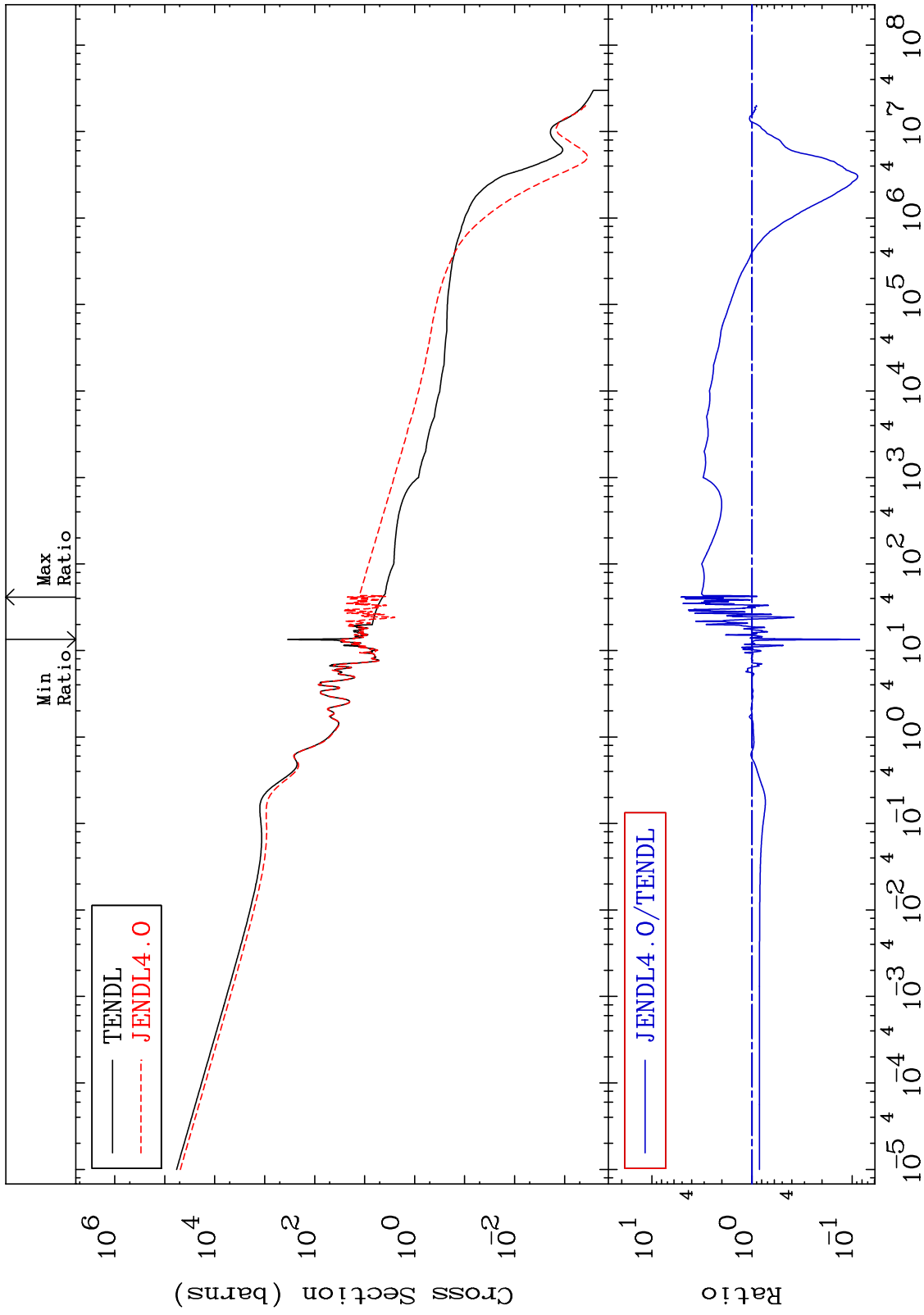
95-Am-242
-99.79 To 50.81 %



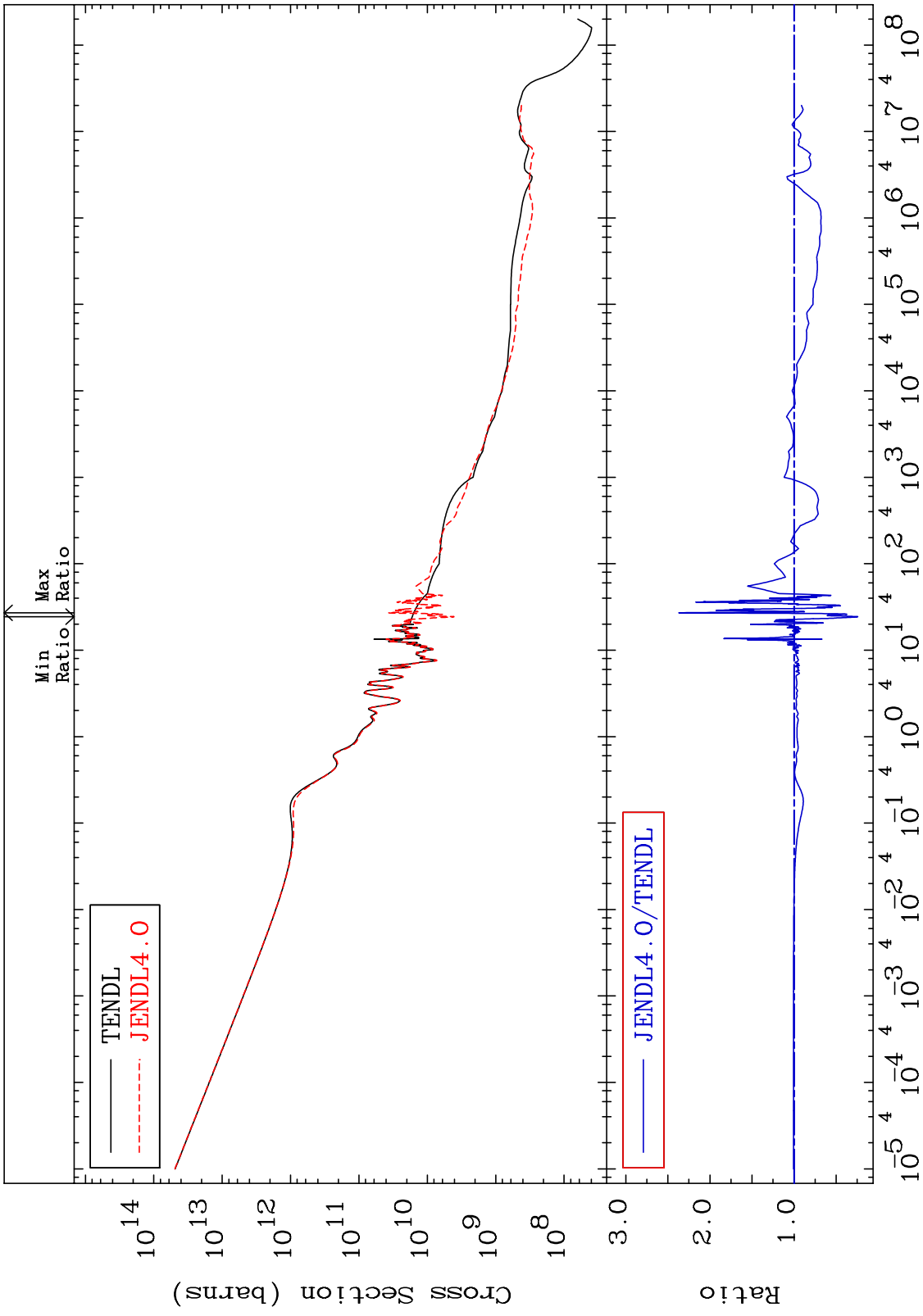
MAT 9547

(n, γ)
Cross Section

95-Am-242
-91.56 To 413.4 %



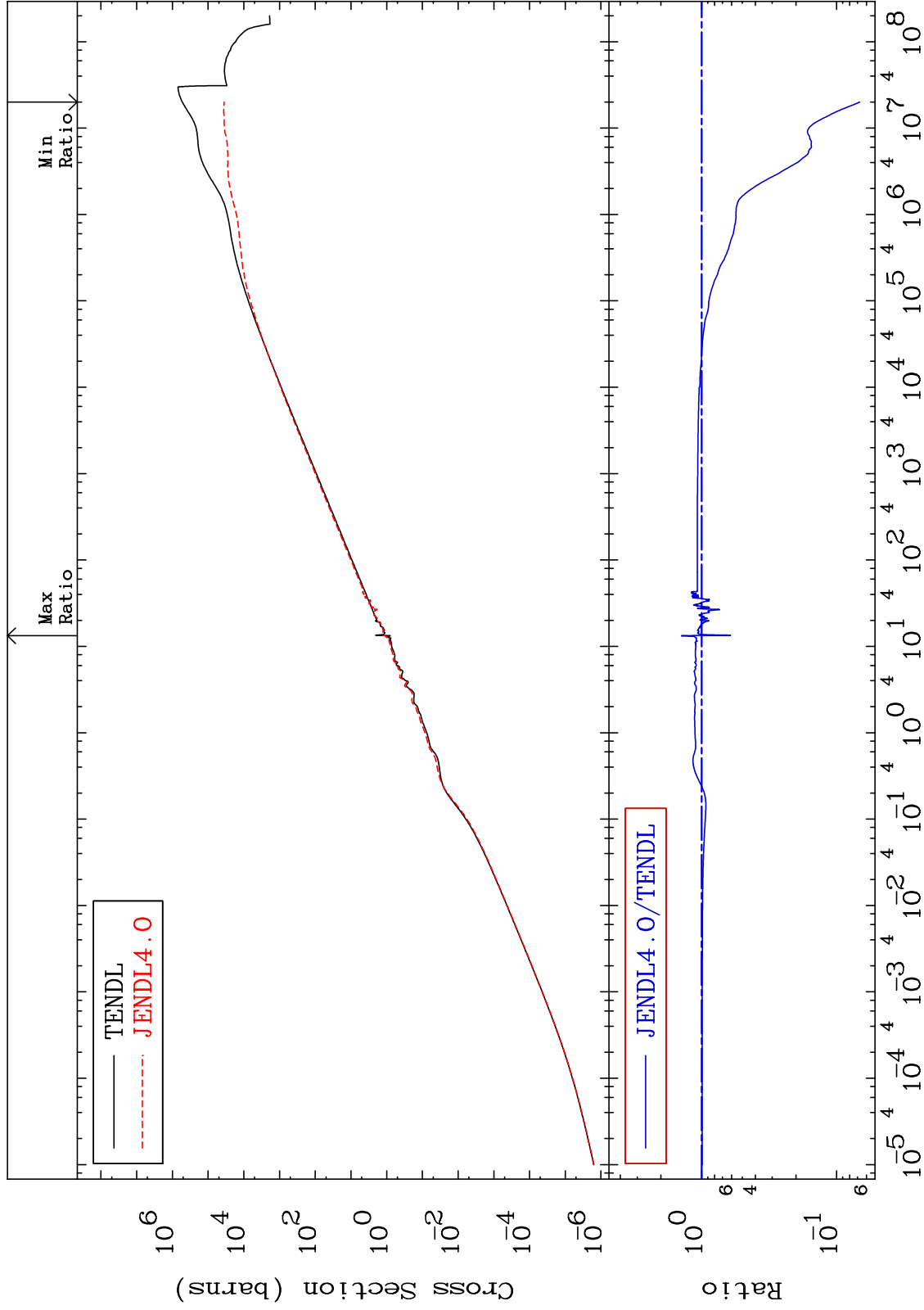
MAT 9547 Kerma total (eV-barns) 95-Am-242
Cross Section -75.79 To 136.7 %



MAT 9547

Kerma elastic
Cross Section

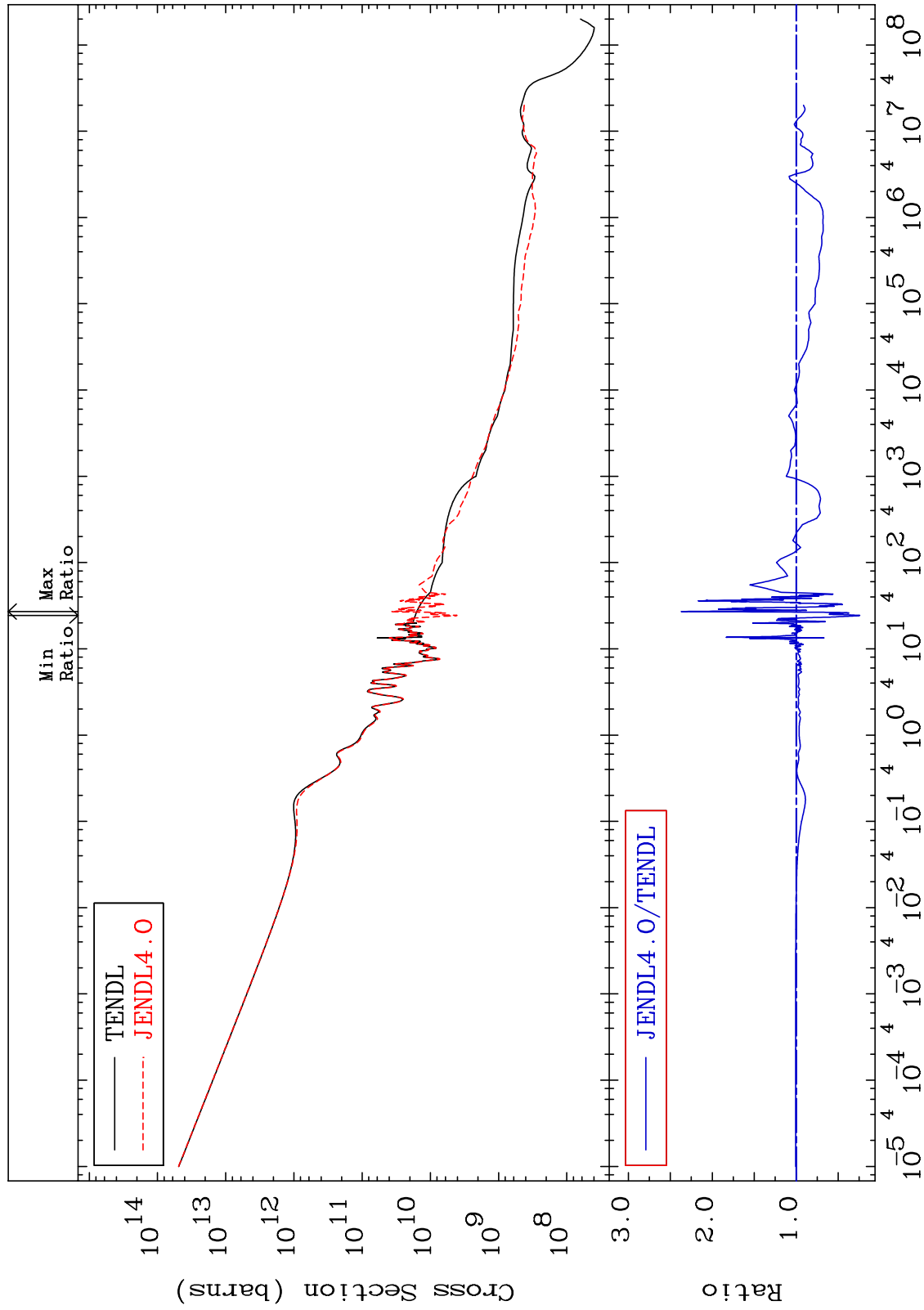
95-Am-242
-93.27 To 41.54 %



MAT 9547

Kerma non-elastic (all but mt2)
Cross Section

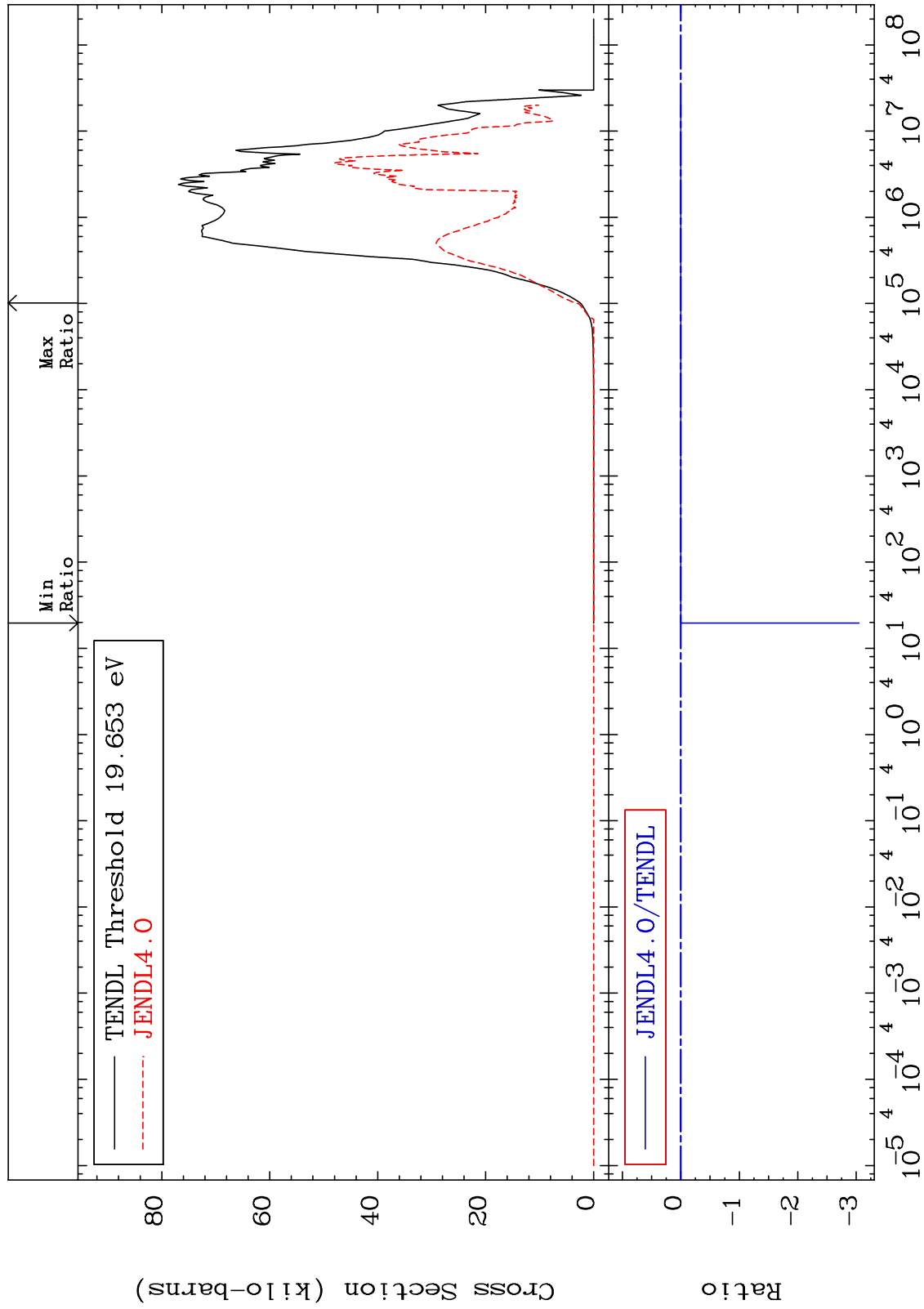
95-Am-242
-75.79 To 136.7 %



MAT 9547

Kerma inelastic (mt51-91)
Cross Section

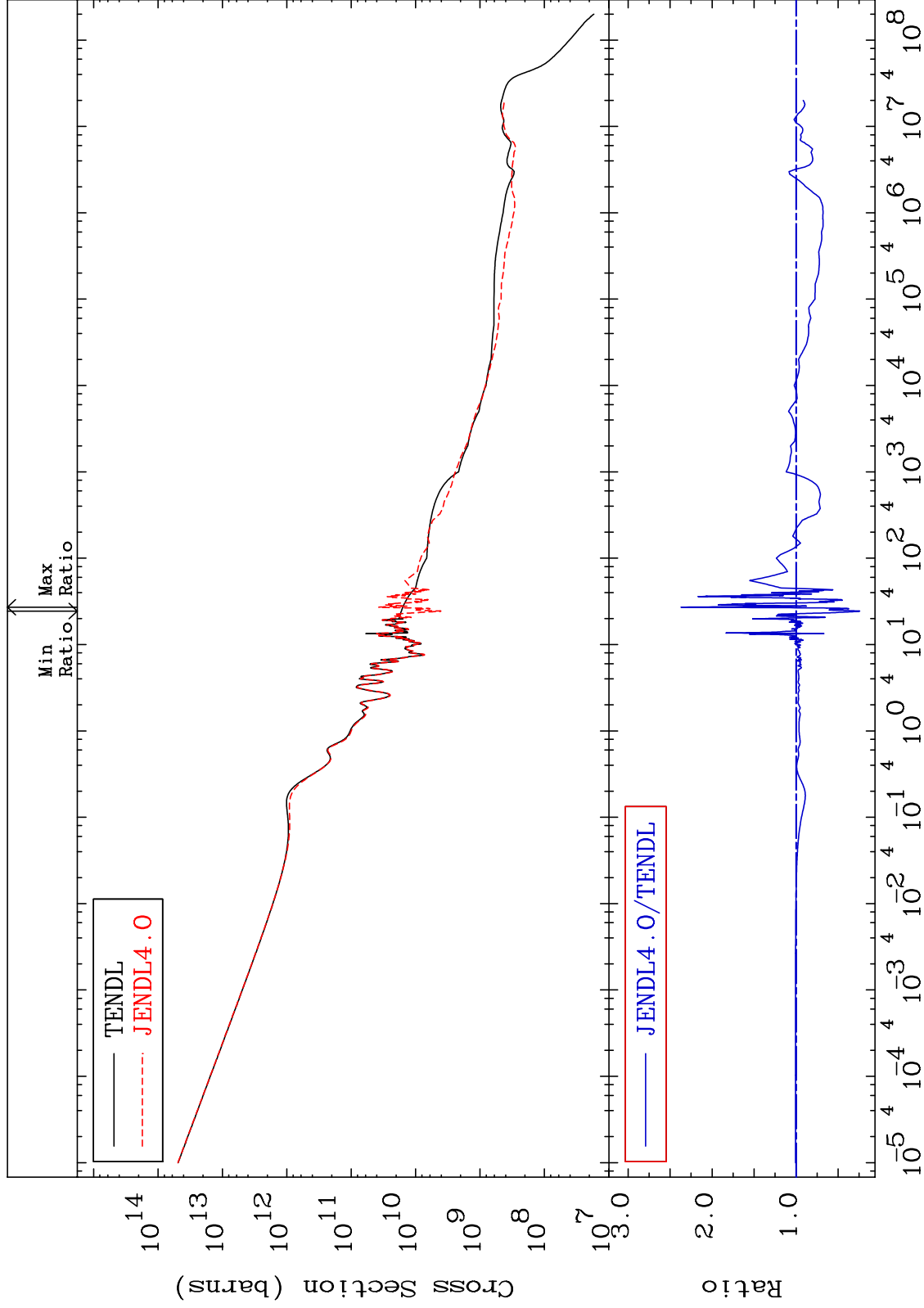
95-Am-242
-9999. To 43.24 %



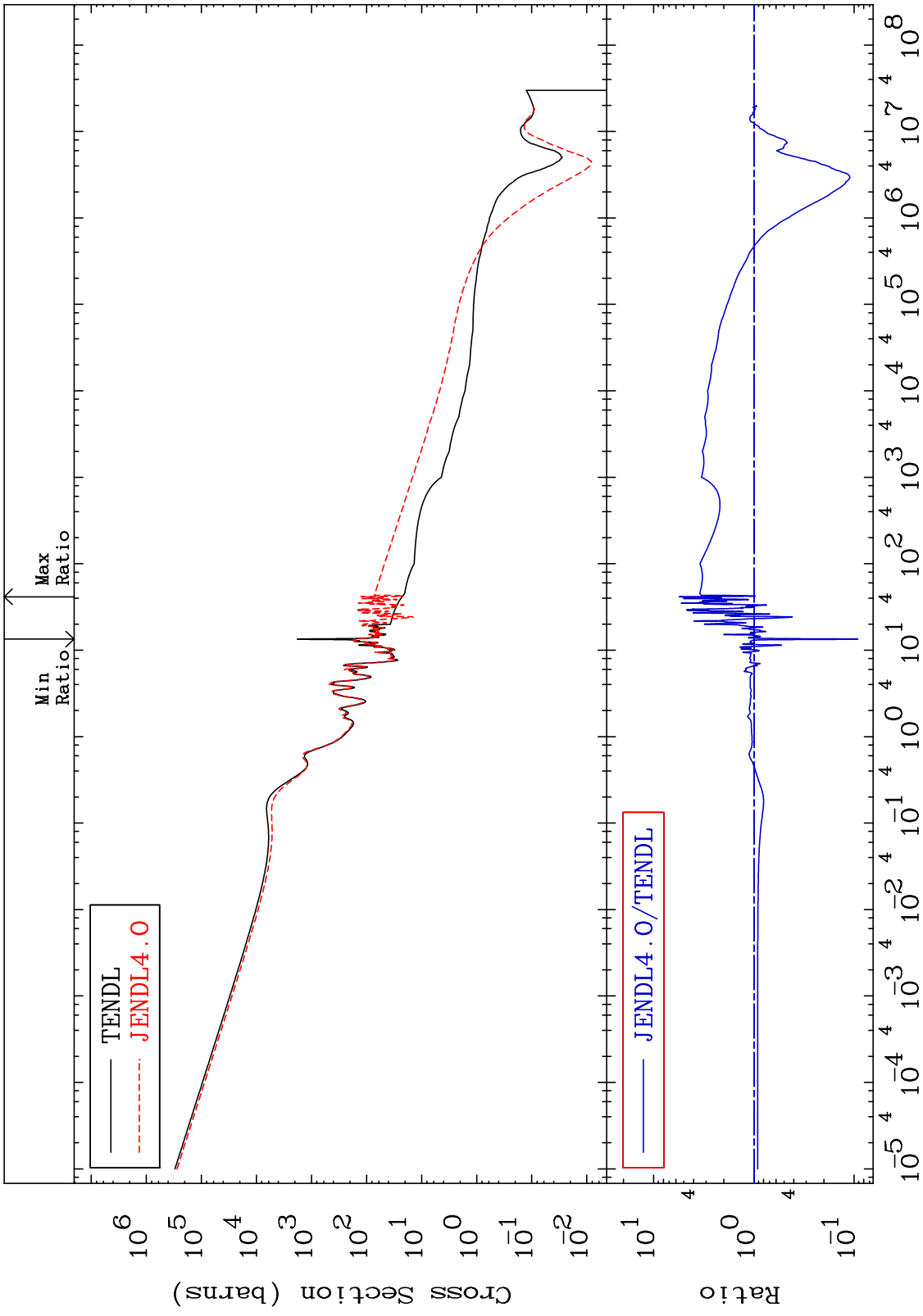
MAT 9547

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

95-Am-242
-75.79 To 136.7 %



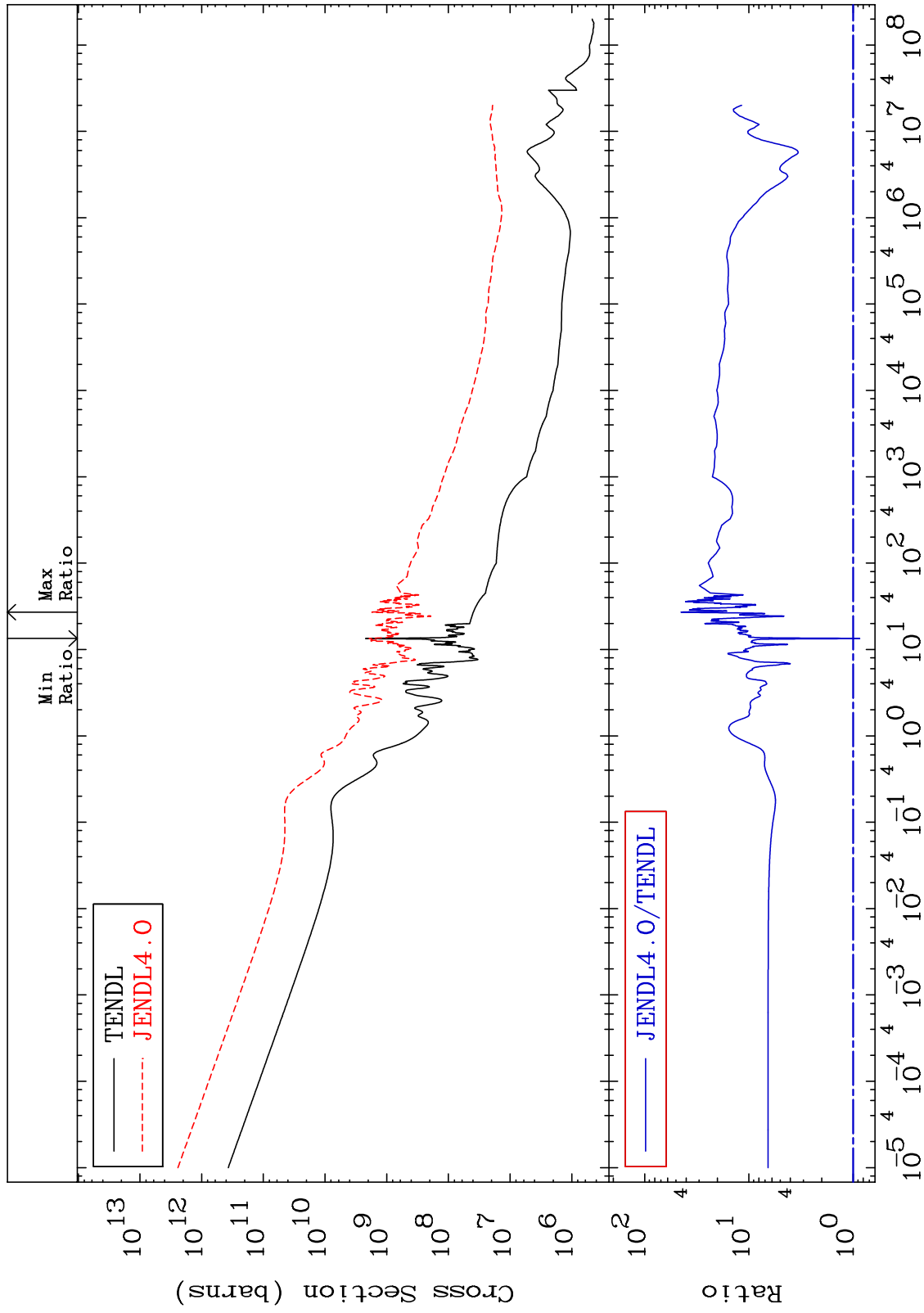
MAT 9547 Kerma capture (mt102) 95-Am-242 -90.83 To 457.9 %
 Cross Section



MAT 9547

Total photon (eV-barns)
Cross Section

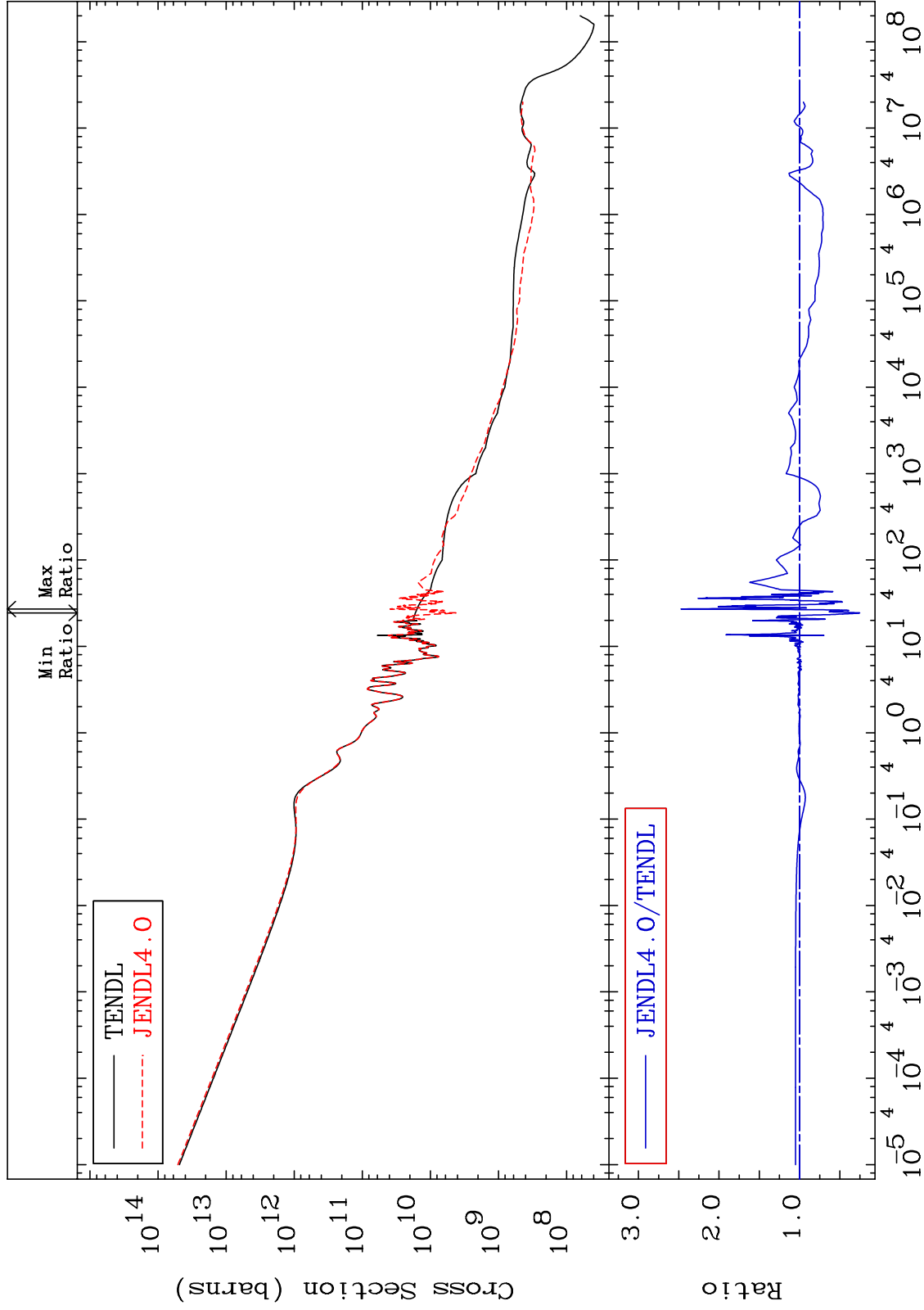
95-Am-242
-13.67 To 4353. %



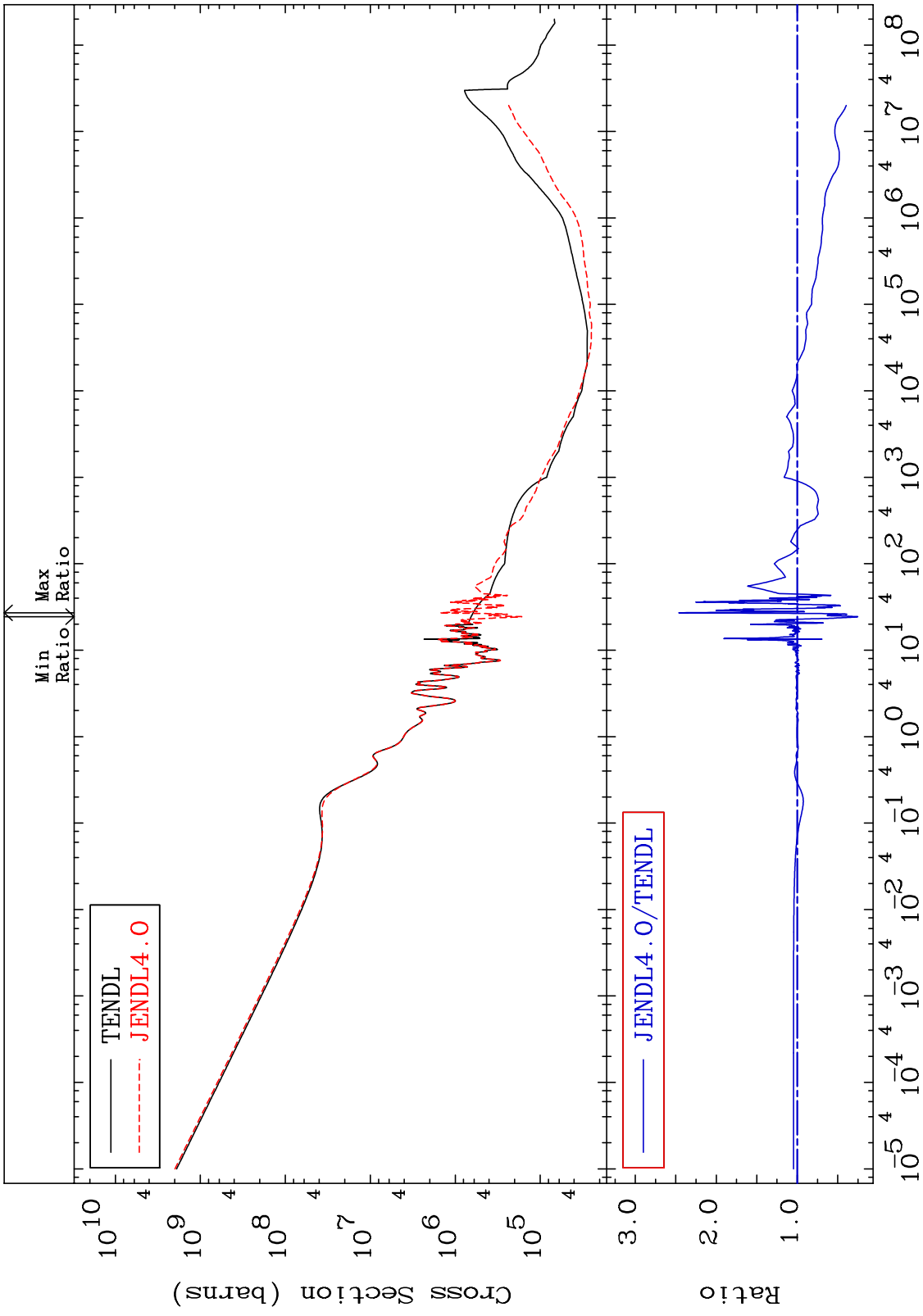
MAT 9547

Total kinematic kerma (high limit)
Cross Section

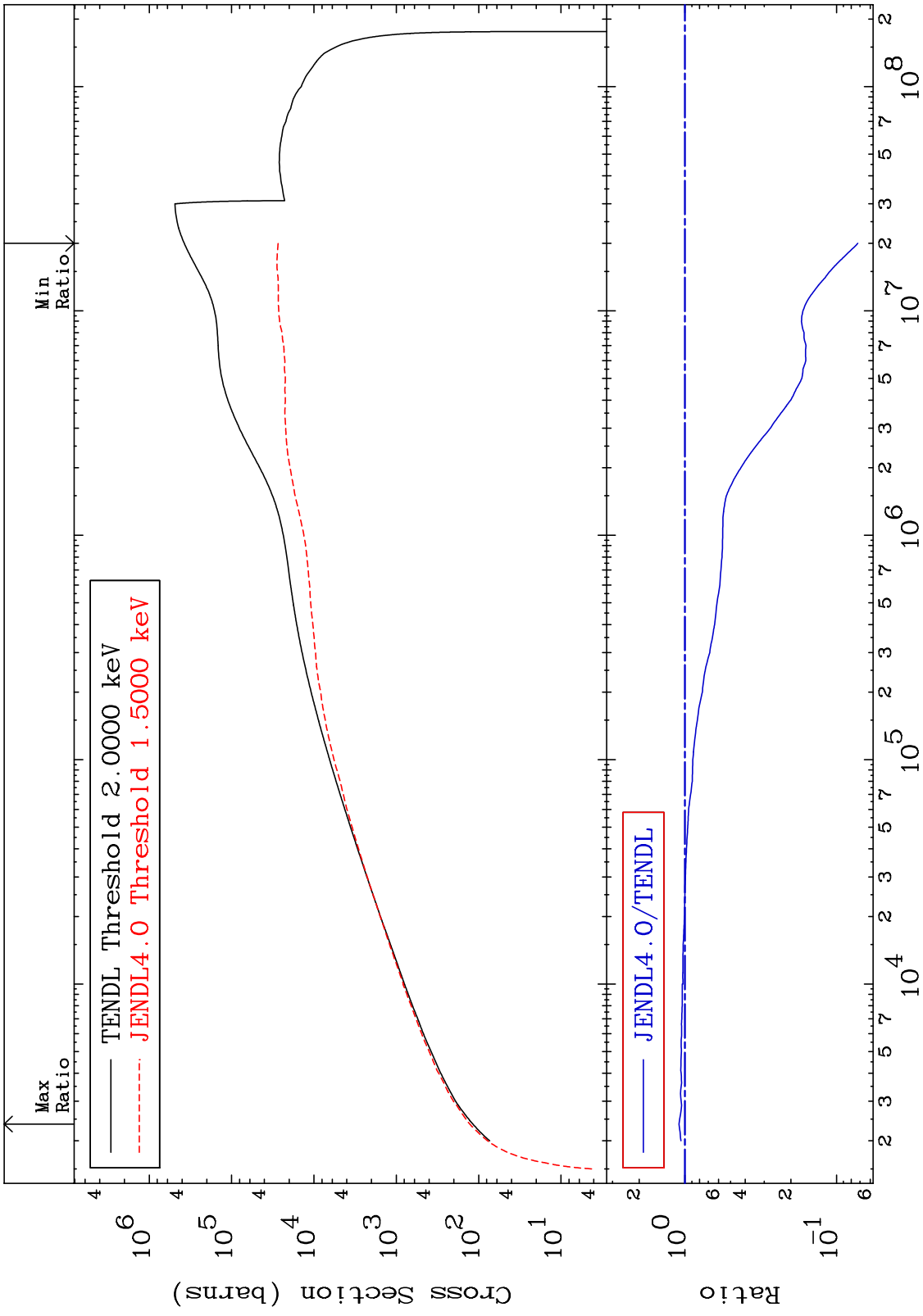
95-Am-242
-74.75 To 146.9 %



MAT 9547 Dpa total (eV-barns) 95-Am-242
 -74.84 To 146.0 %



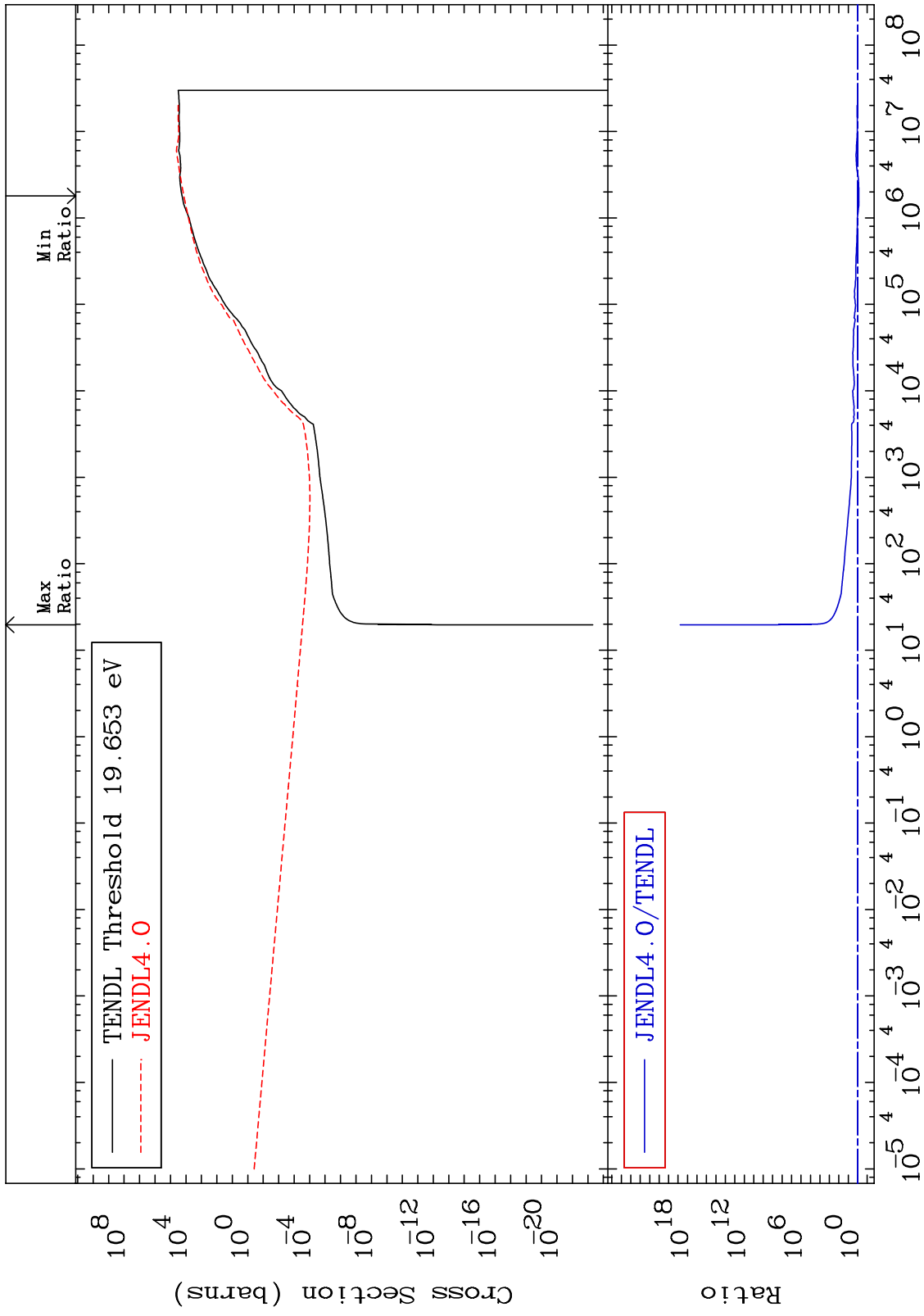
MAT 9547 95-Am-242
 Dpa elastic (mt2) -92.76 To 9.169 %
 Cross Section



MAT 9547

Dpa inelastic (mt51-91)
Cross Section

95-Am-242
-23.85 To 9999. %



MAT 9547 Dpa disappearance (mt102 -120) 95-Am-242
 Cross Section -100.0 To 575.7 %

