

Program Complot  
(Version 2018-1)

by

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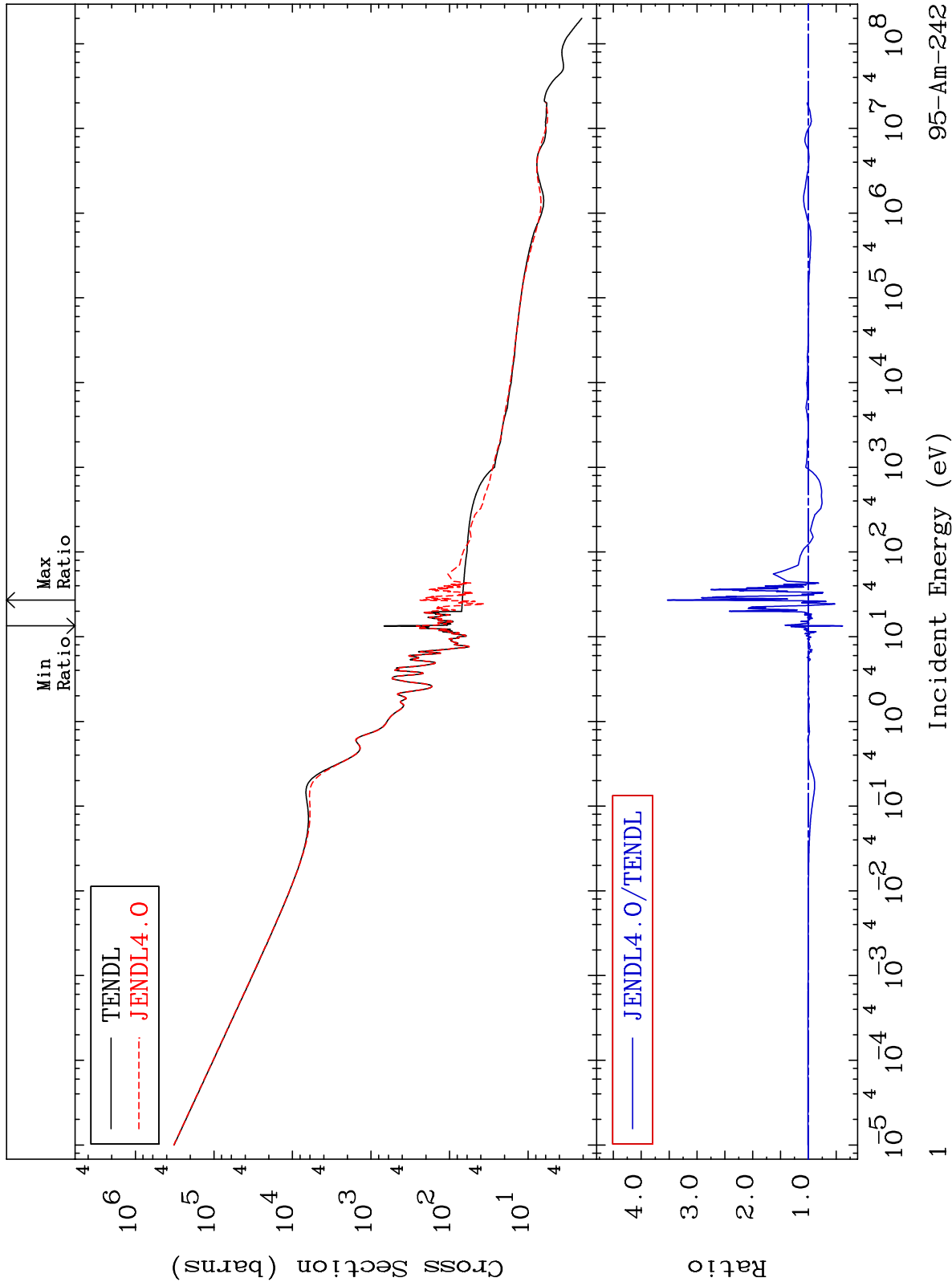
Press Mouse Button to Start

MAT 9547

95-Am-242

-61.46 To 252.8 %

Total  
Cross Section



95-Am-242

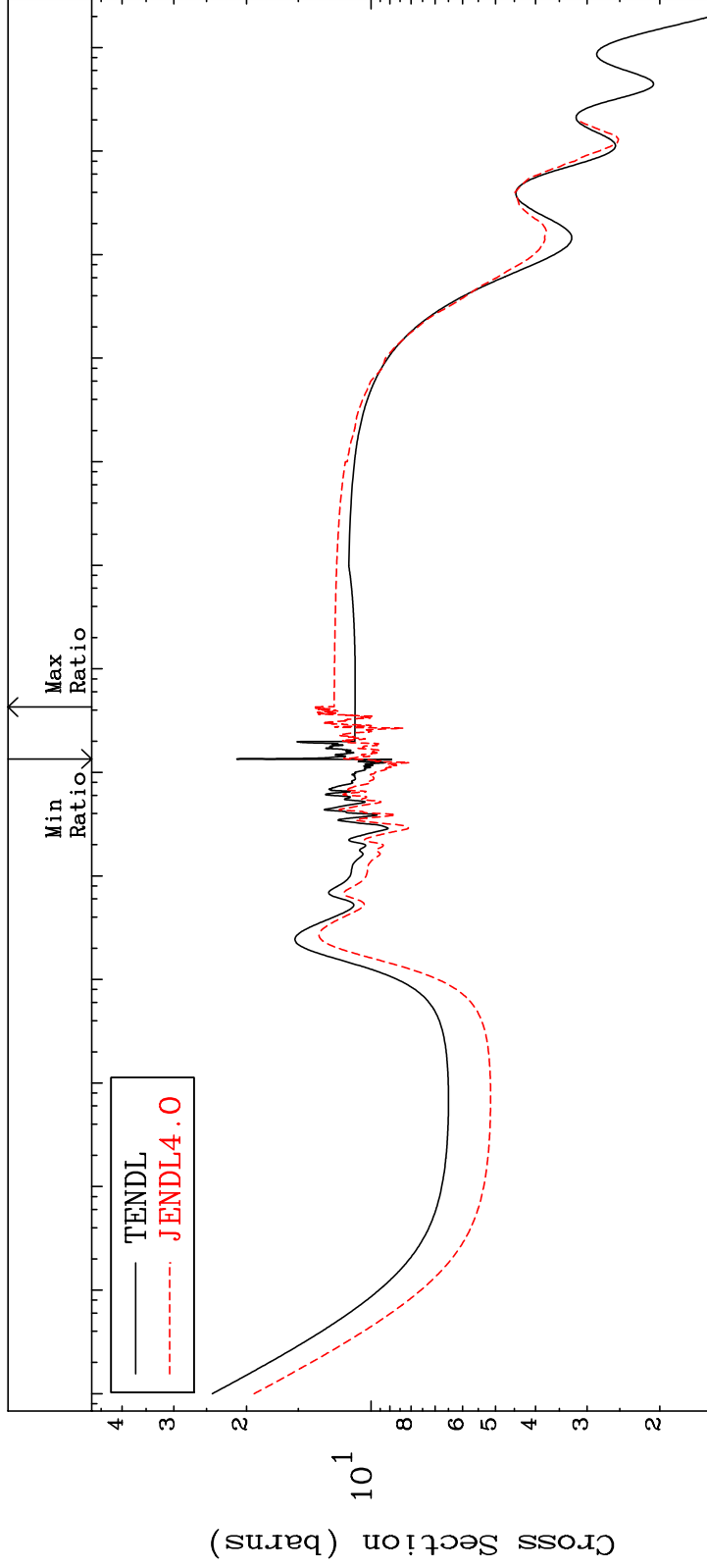
MAT 9547

Elastic

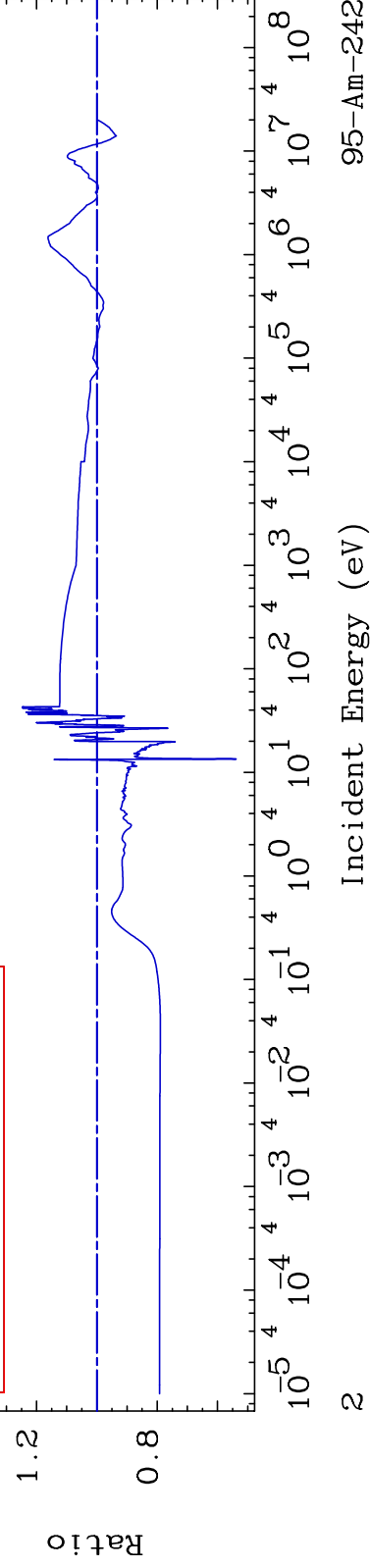
95-Am-242

Cross Section

-46.23 To 24.76 %



JENDL4.0/TENDL

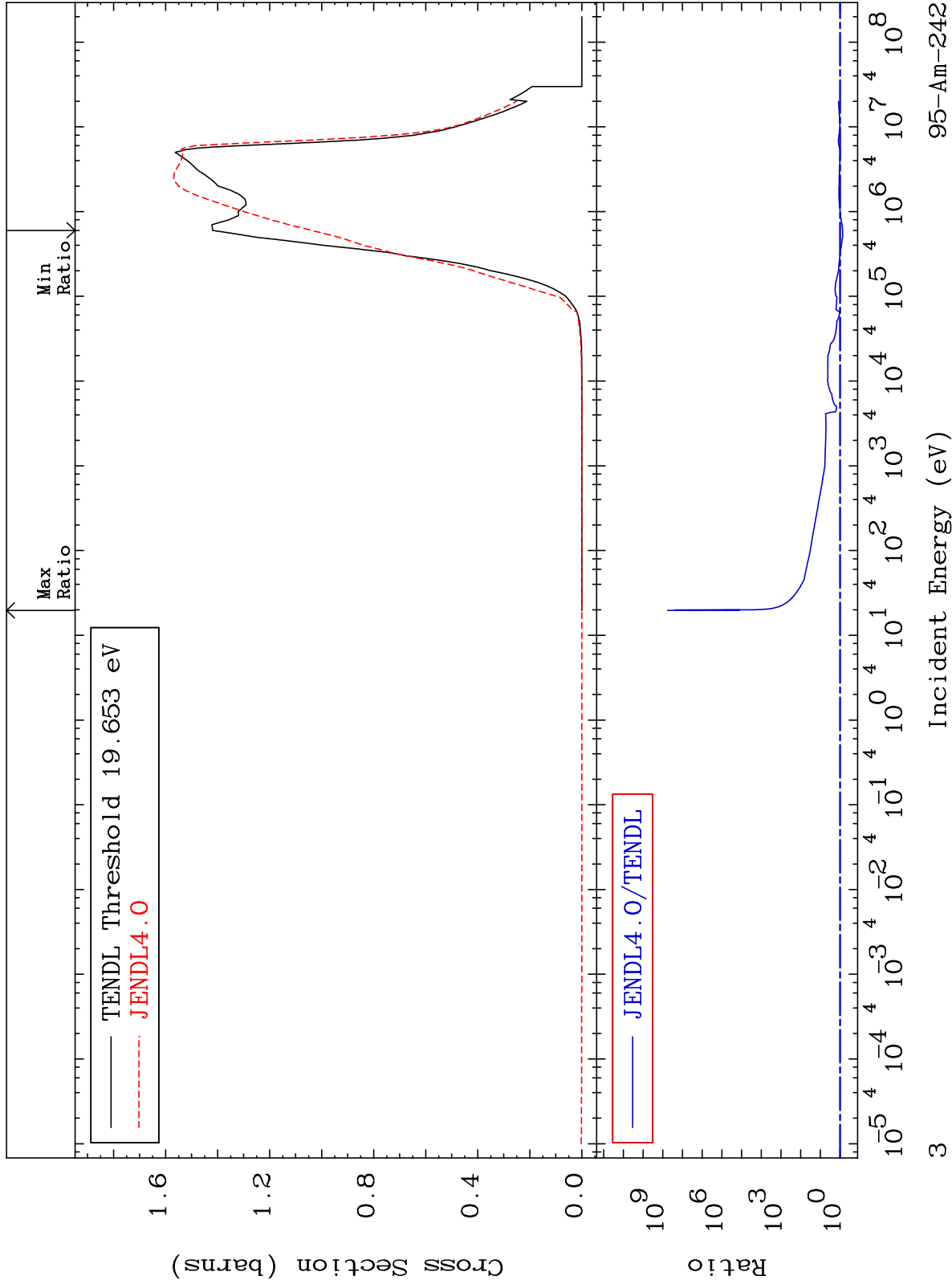


95-Am-242

MAT 9547

Inelastic  
Cross Section

95-Am-242  
-26.74 To 9999. %



95-Am-242

Incident Energy (eV)

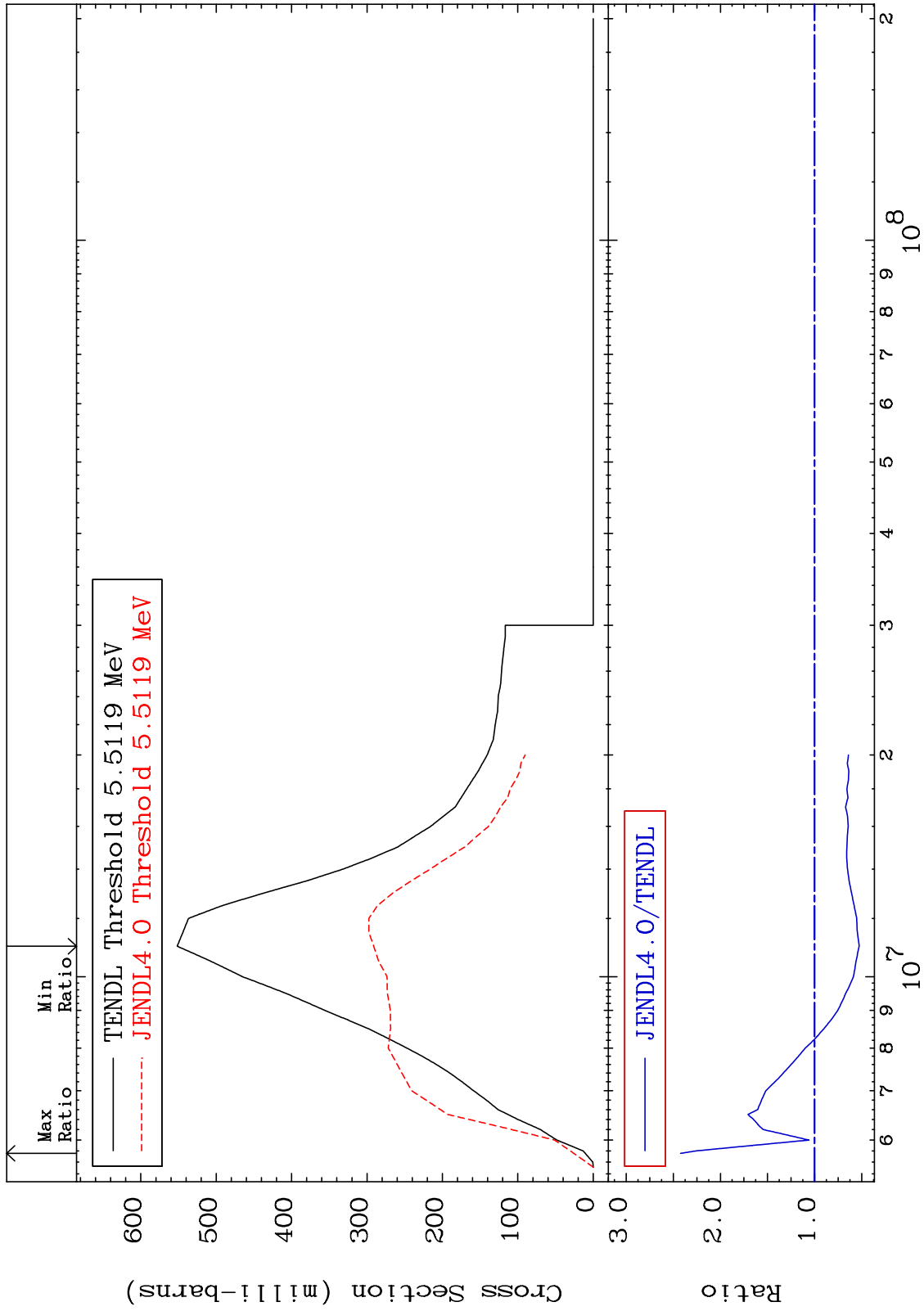
MAT 9547

(n,2n)

95-Am-242

Cross Section

-47.24 To 142.2 %



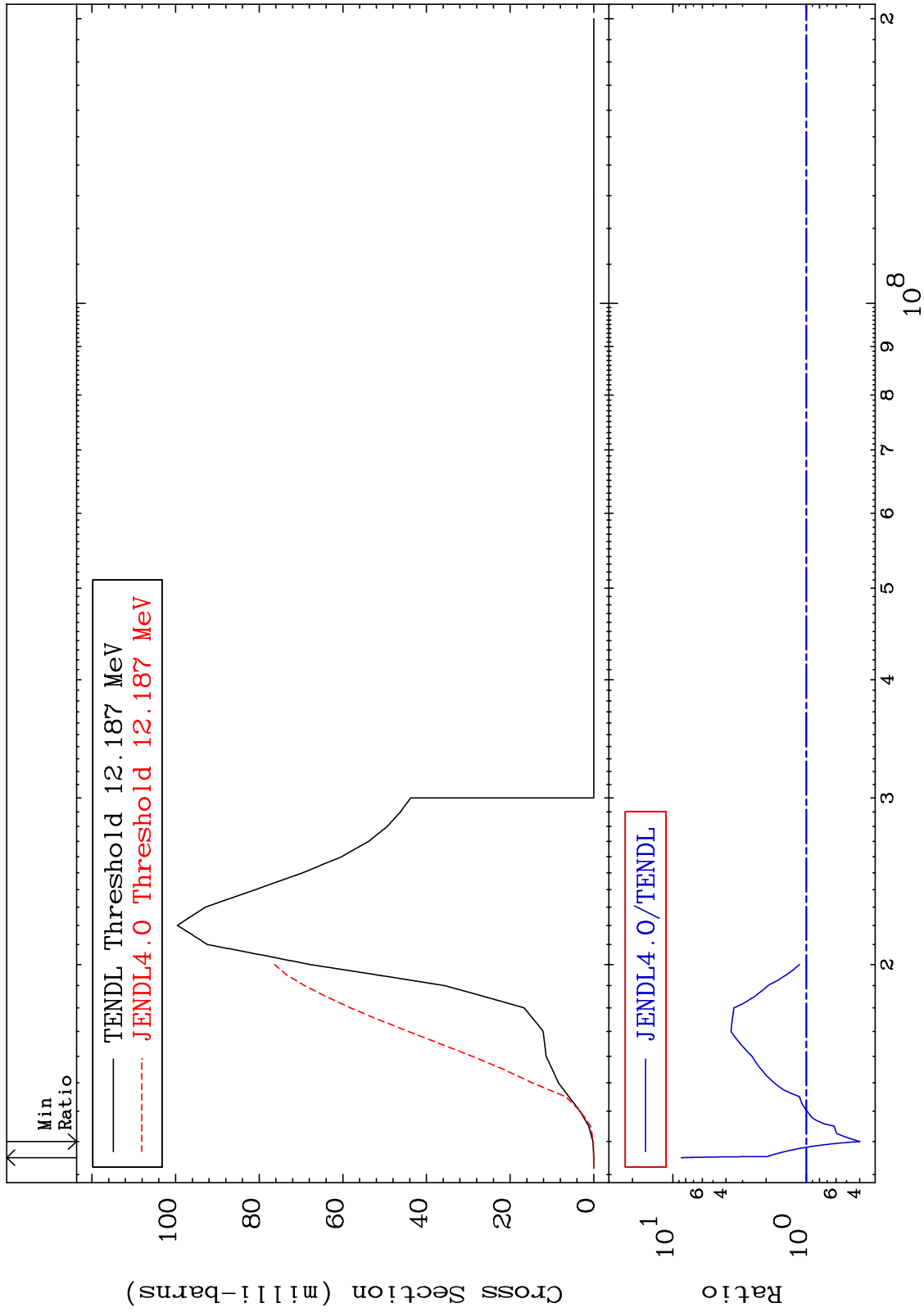
MAT 9547

(n, 3n)

95-Am-242

Cross Section

-60.22 To 764.5 %



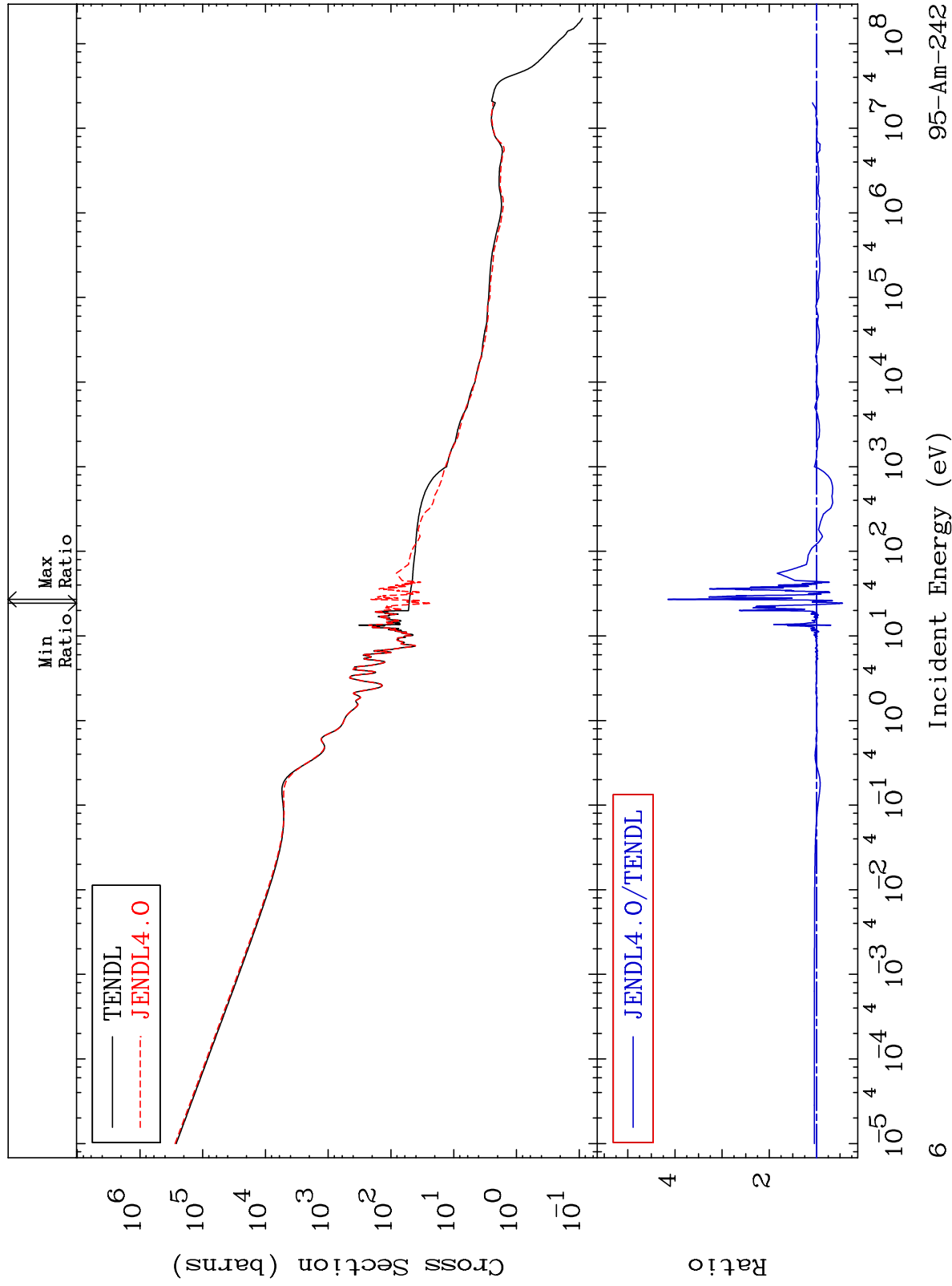
MAT 9547

Fission

95-Am-242

Cross Section

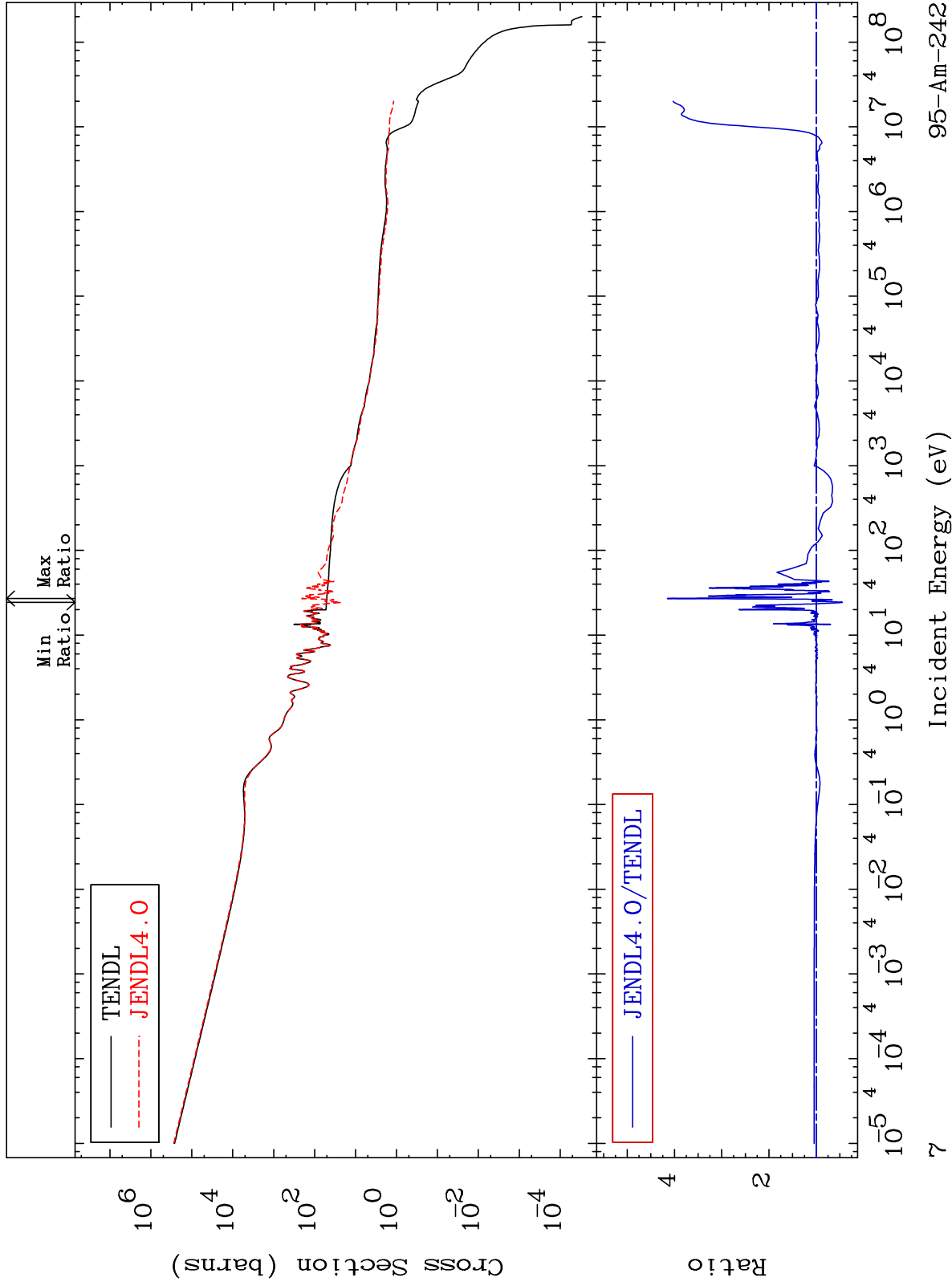
-55.93 To 314.7 %



MAT 9547

(n,f) First Chance  
Cross Section

95-Am-242  
-55.93 To 314.7 %

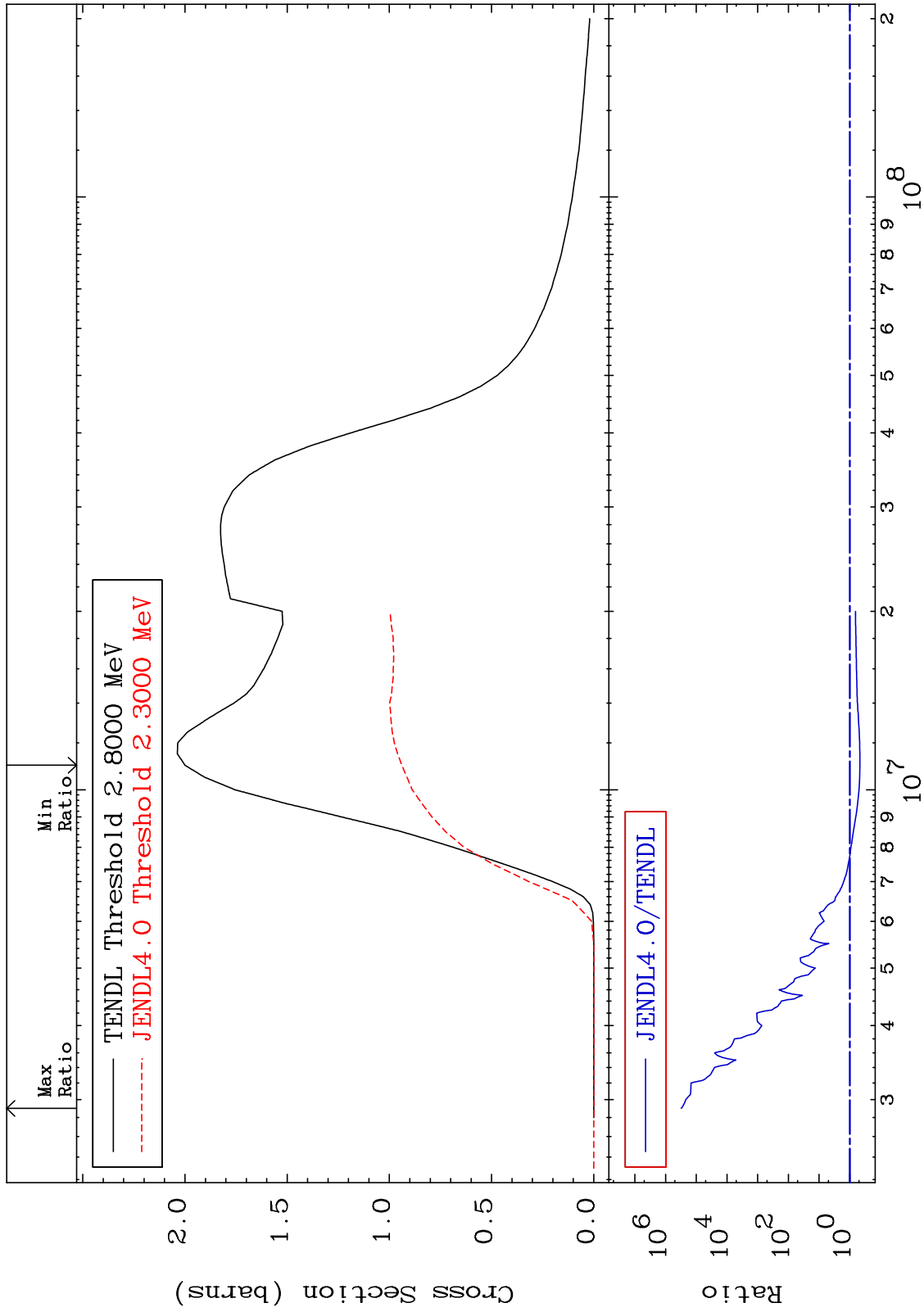




MAT 9547

(n, nf) Second Chance  
Cross Section

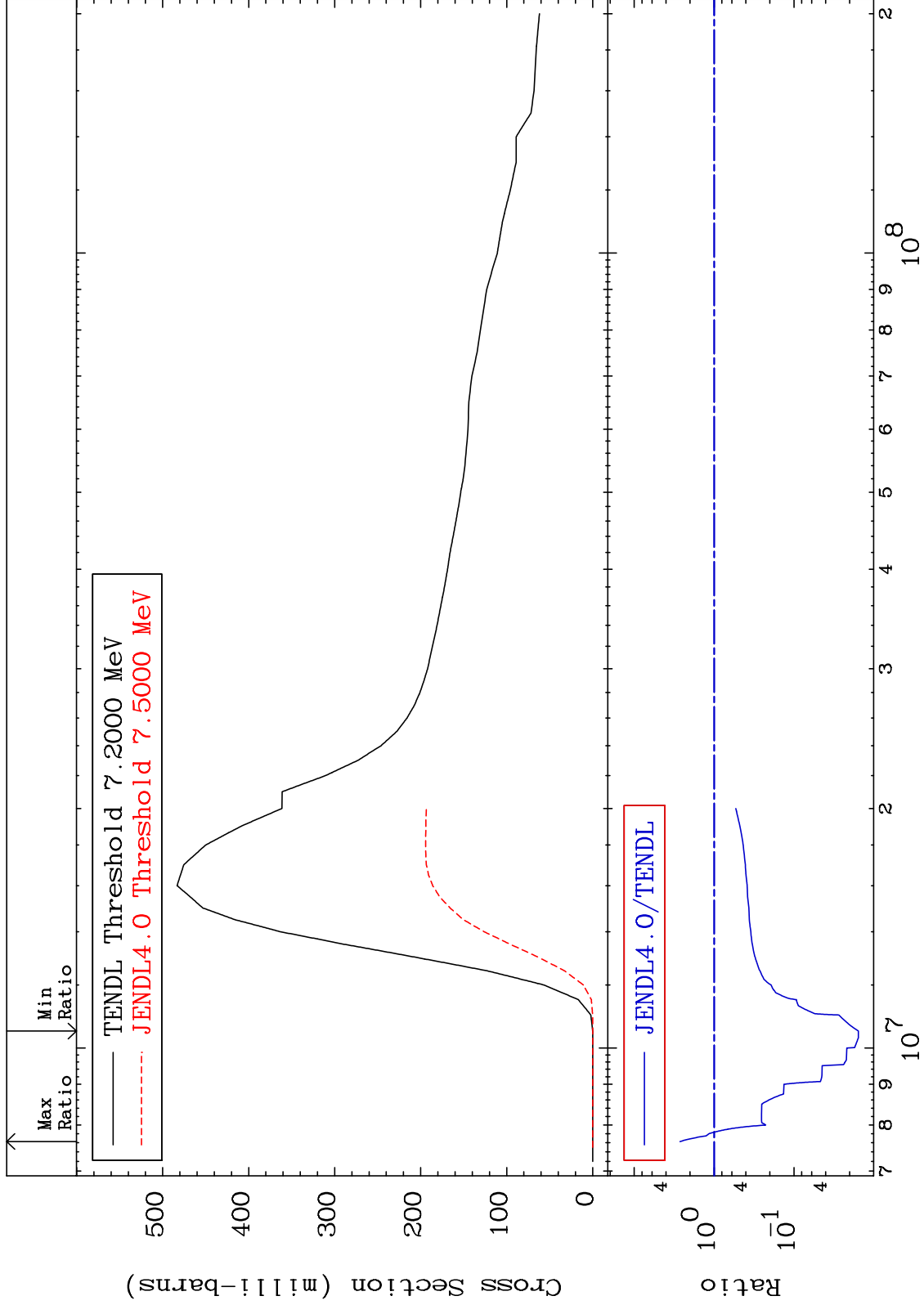
95-Am-242  
-53.07 To 9999. %



MAT 9547

(n,2nf) Third Chance  
Cross Section

95-Am-242  
-98.44 To 167.2 %



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95-Am-242

95-Am-242

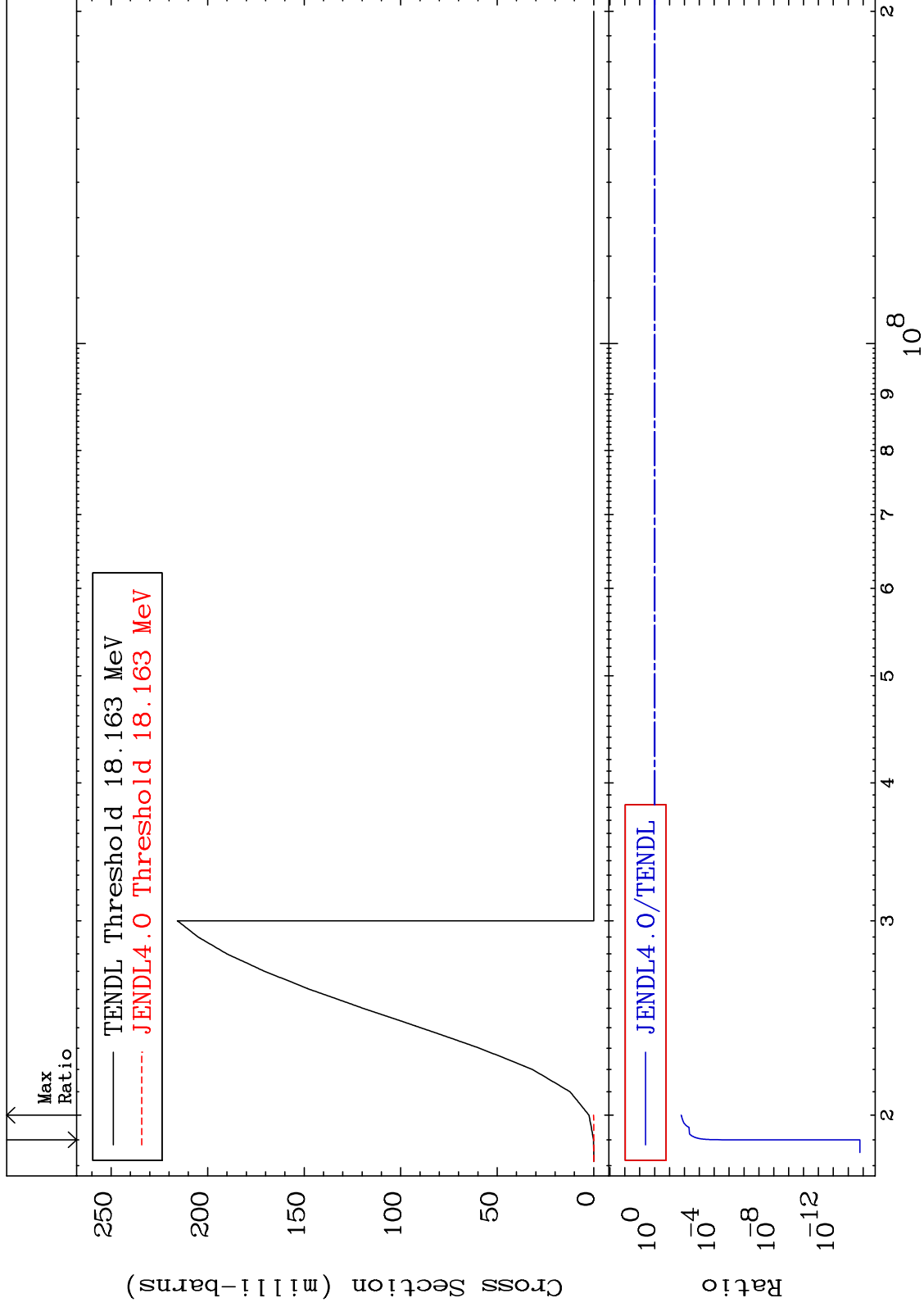
MAT 9547

(n, 4n)

95-Am-242

Cross Section

-100.0 To -98.36%



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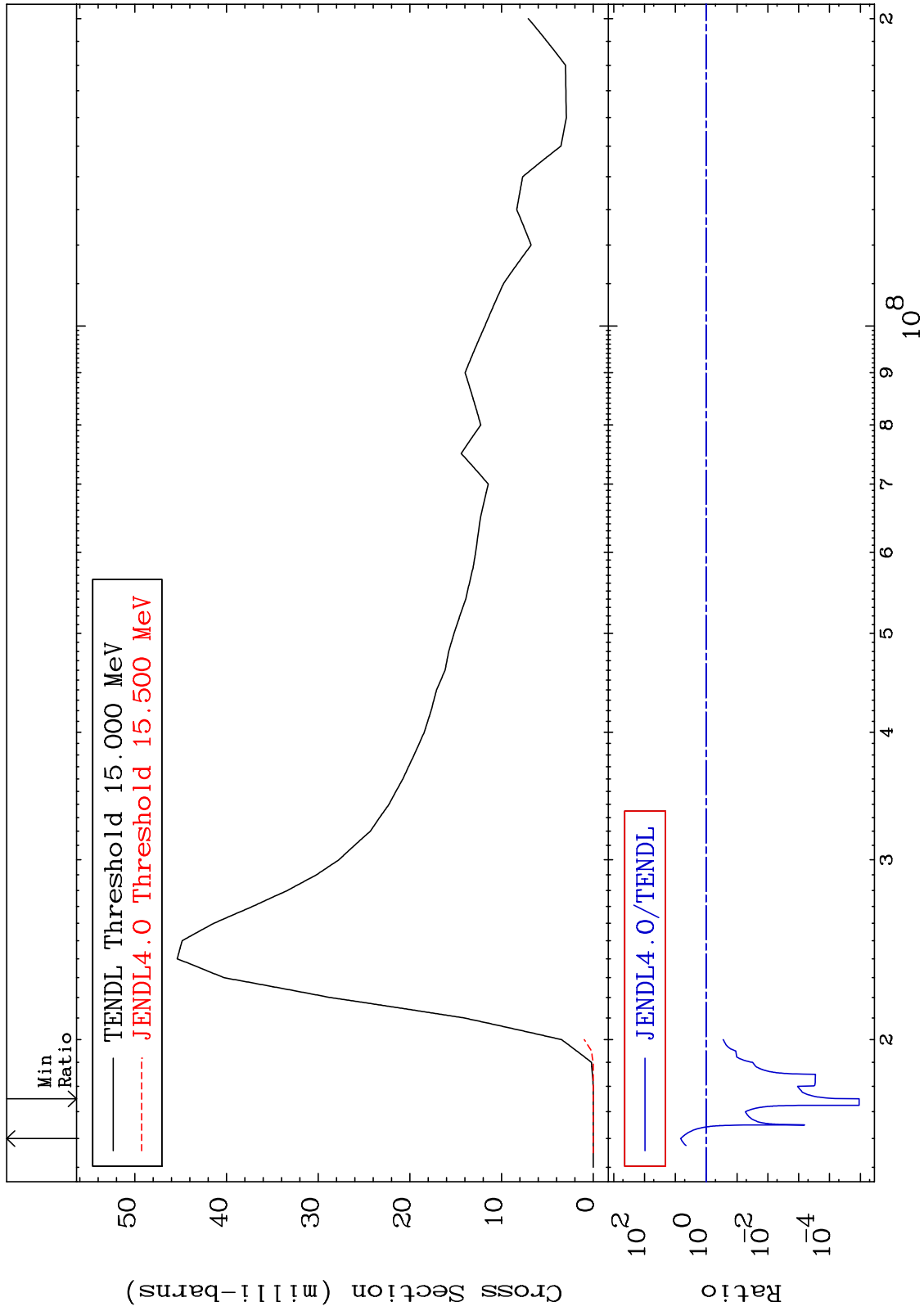
Incident Energy (eV)

95-Am-242

MAT 9547

(n,3nf) Fourth Chance  
Cross Section

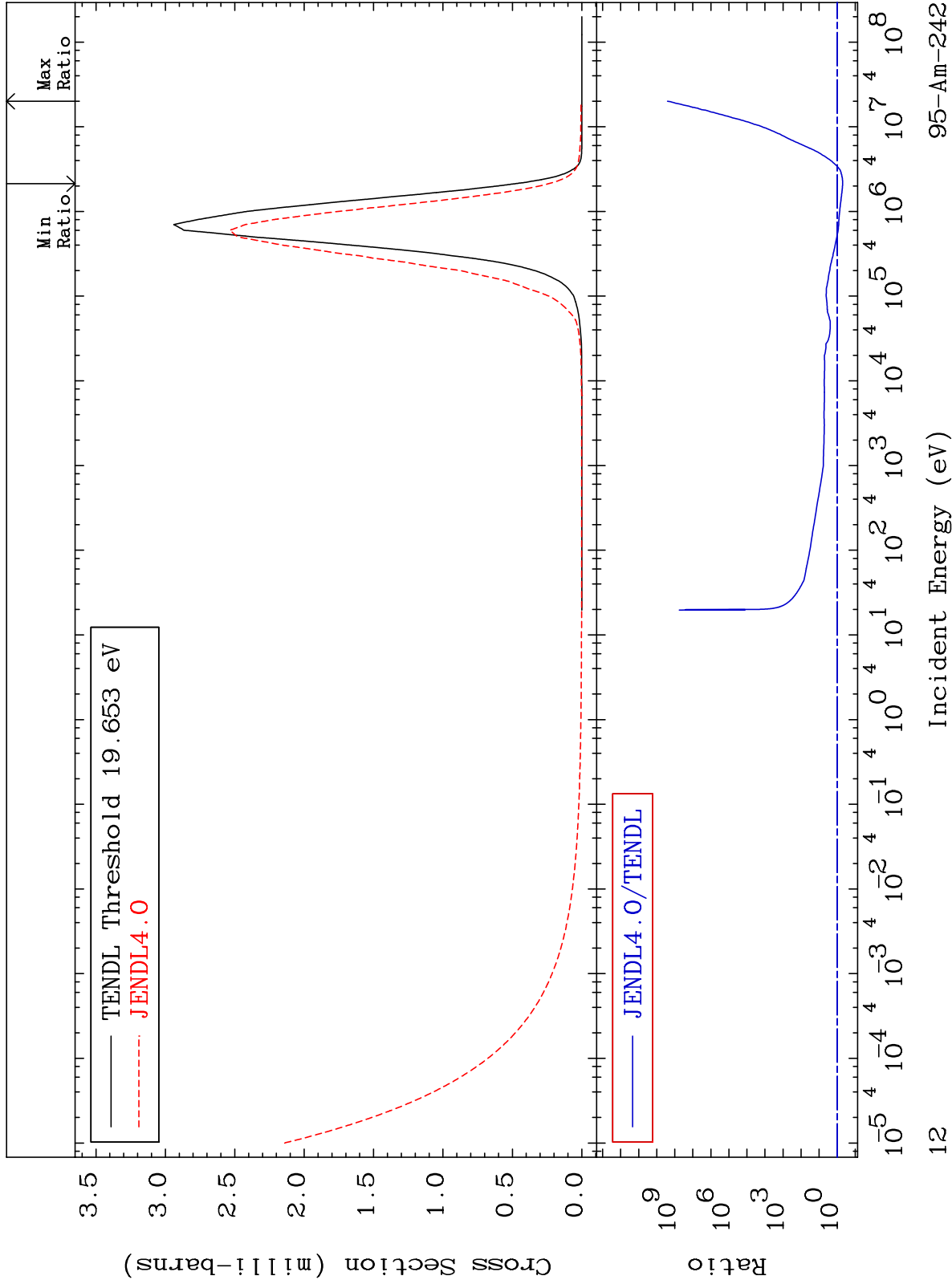
95-Am-242  
-100.0 To 574.7 %



MAT 9547

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

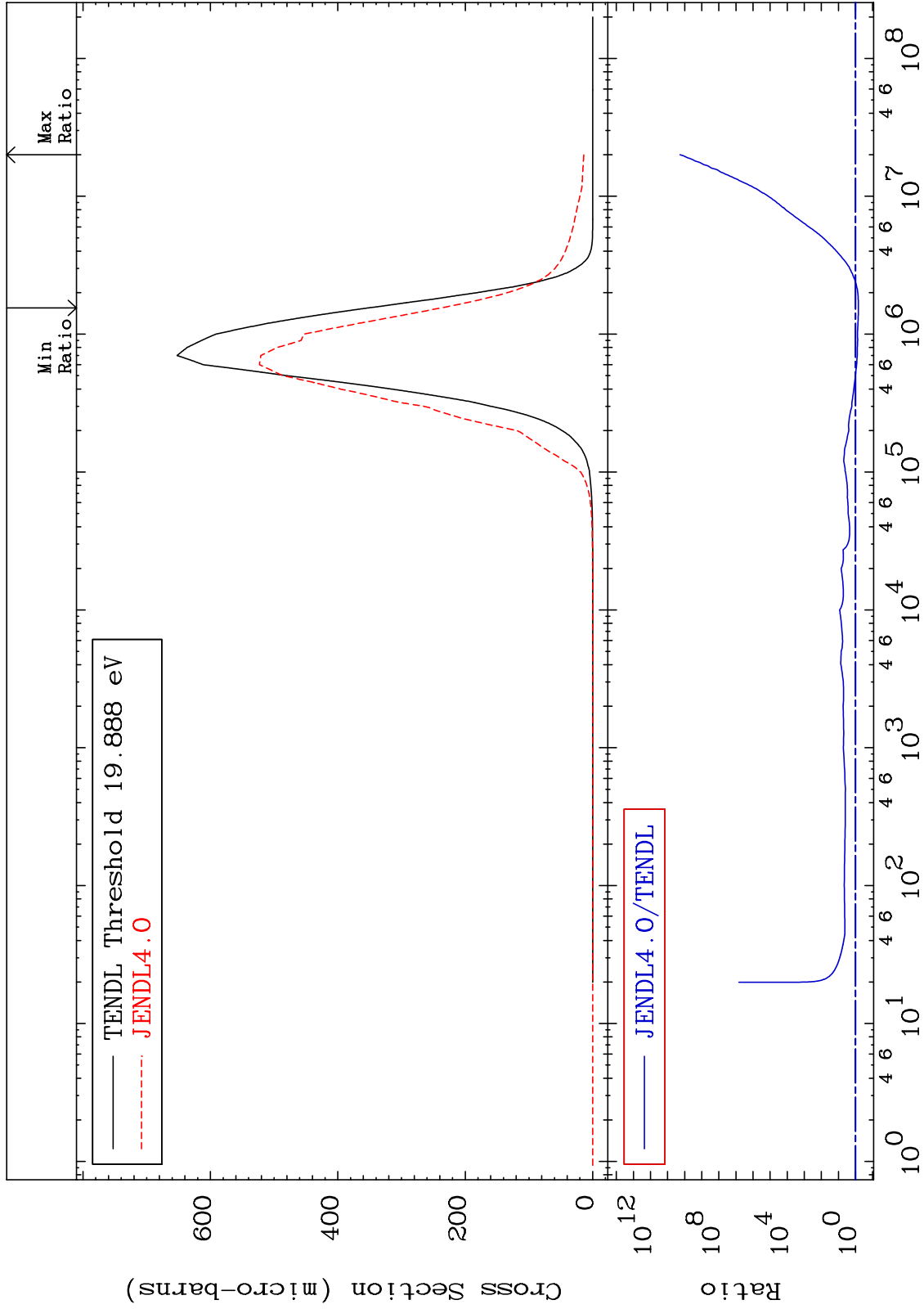
95-Am-242  
-50.45 To 9999. %



MAT 9547

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

95-Am-242  
-32.49 To 9999. %

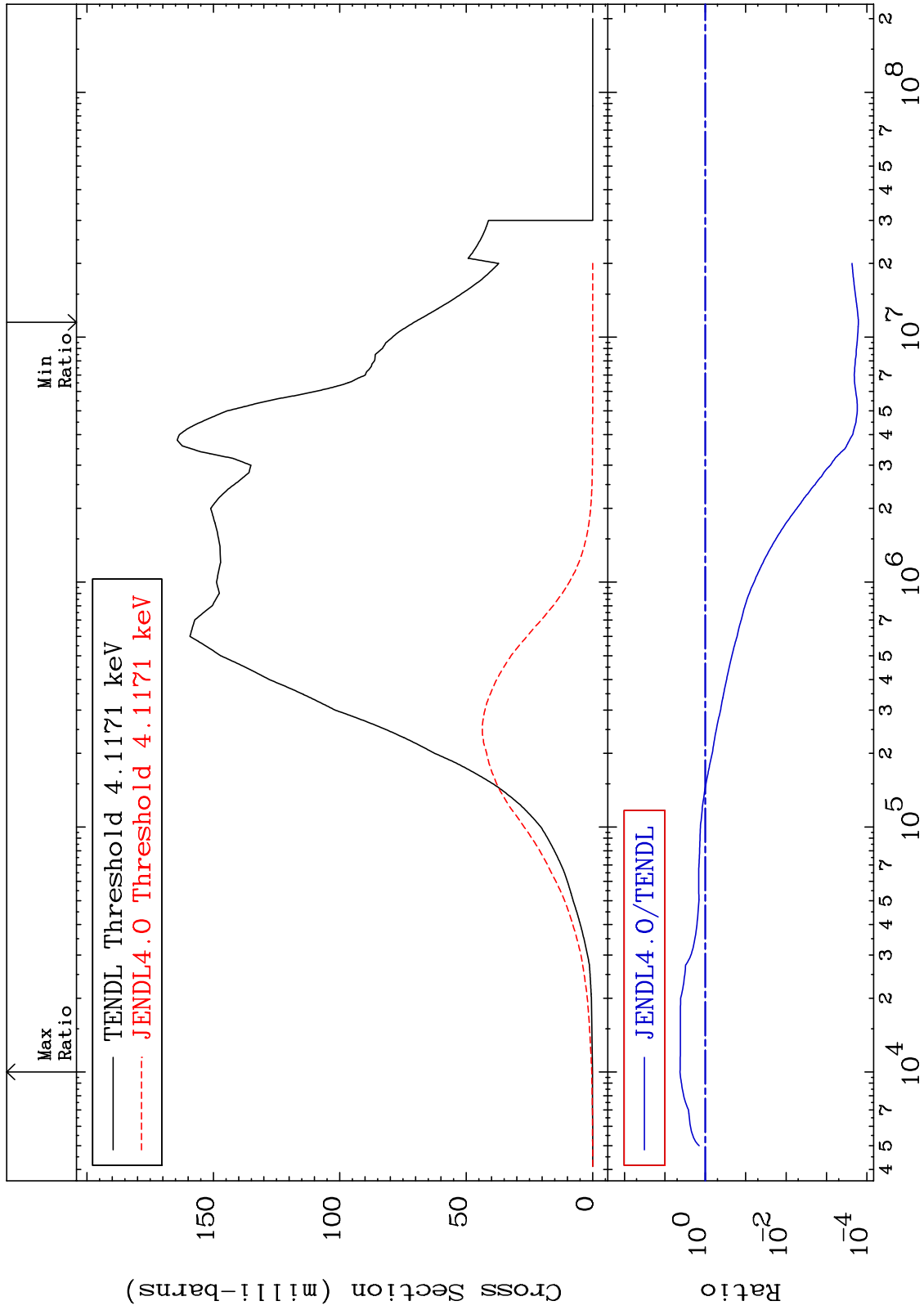


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Incident Energy (eV)

95-Am-242

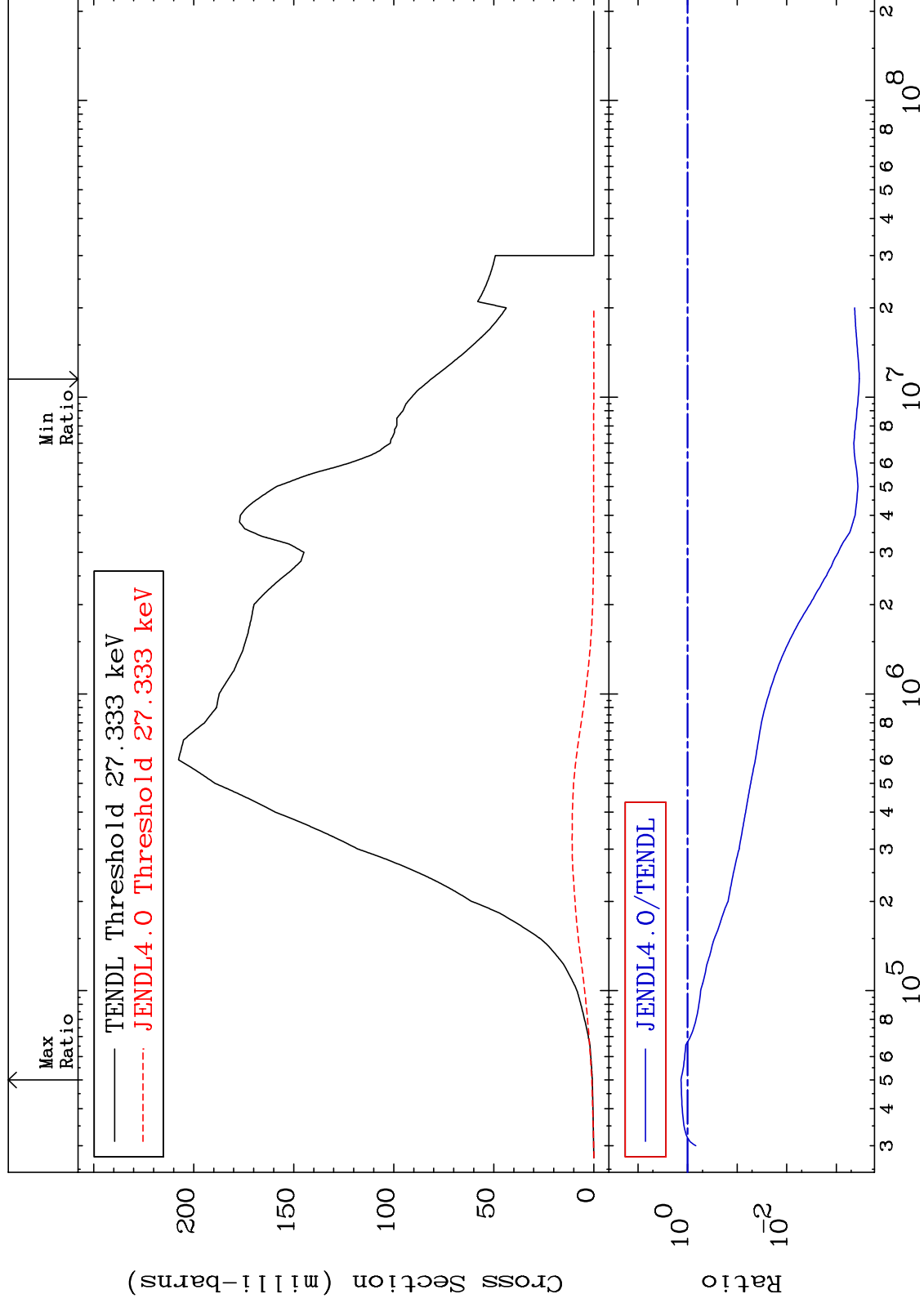
MAT 9547 MT= 53 (n, n') Level Cross Section 95-Am-242 -99.98 To 321.6 %



MAT 9547

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

95-Am-242  
-99.97 To 35.34 %



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Incident Energy (eV)

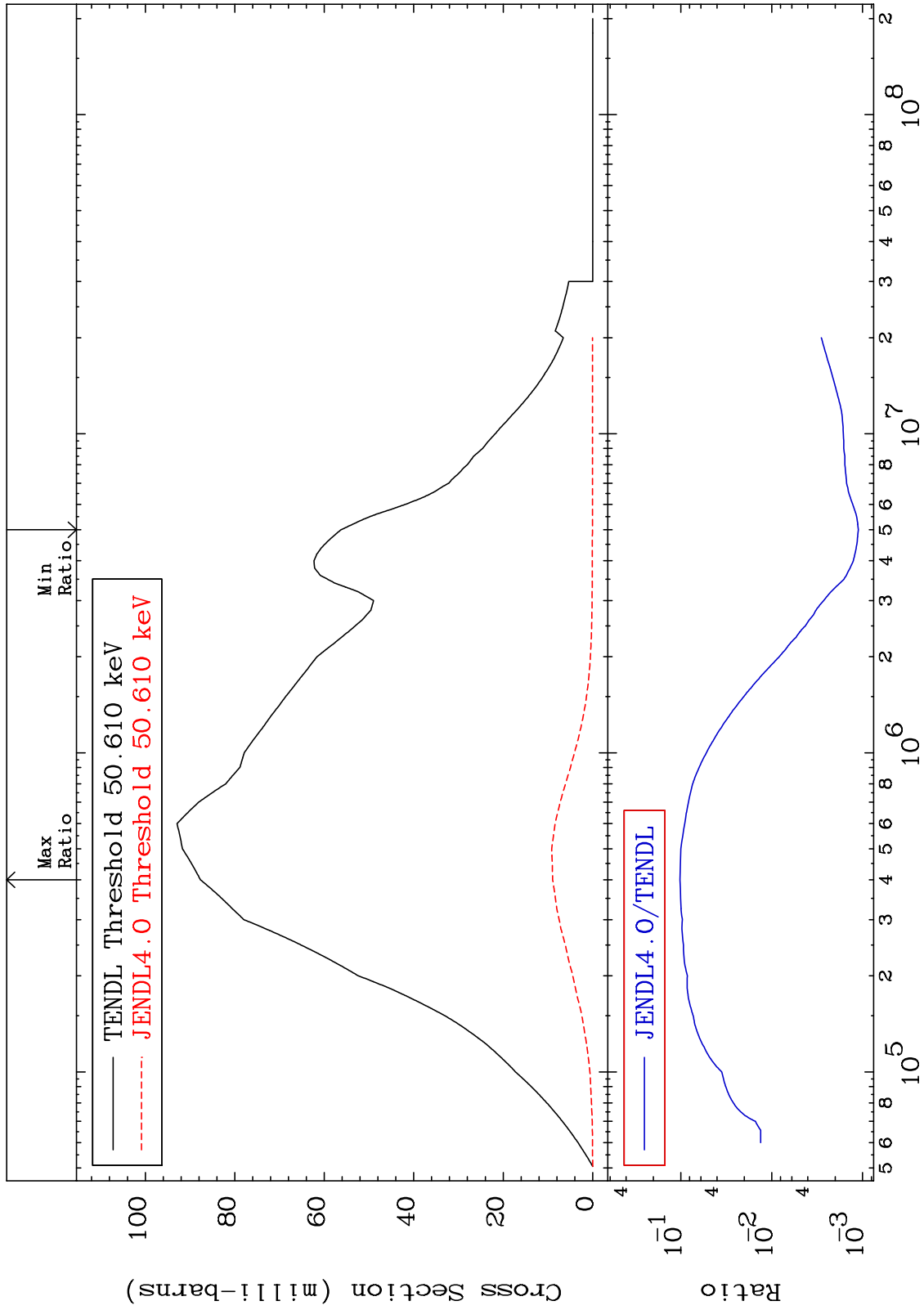
95-Am-242



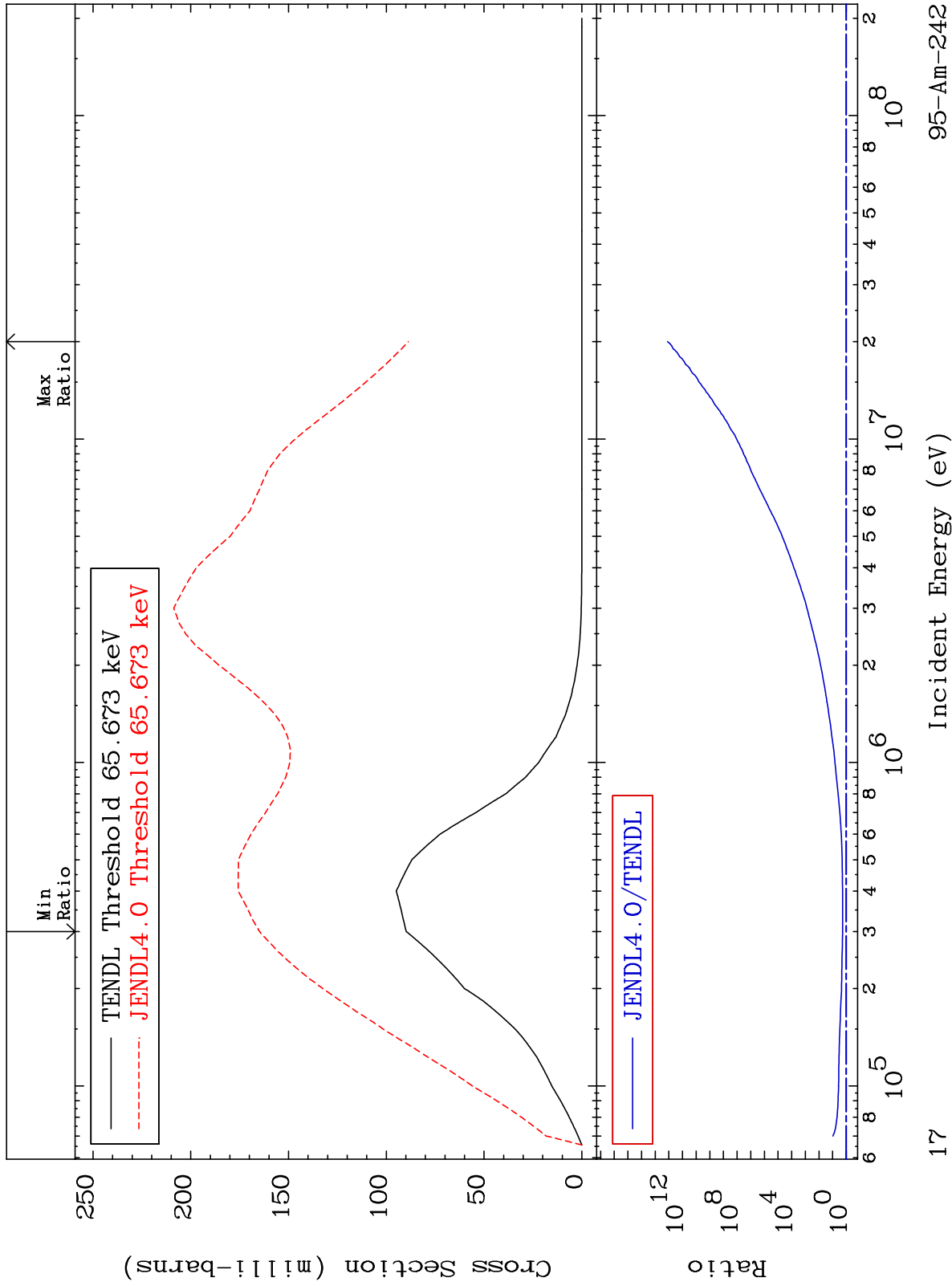
MAT 9547

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

95-Am-242  
-99.89 To -89.81%



MAT 9547 MT= 56 (n,n') Level 95-Am-242  
 Cross Section 83.49 To 9999. %

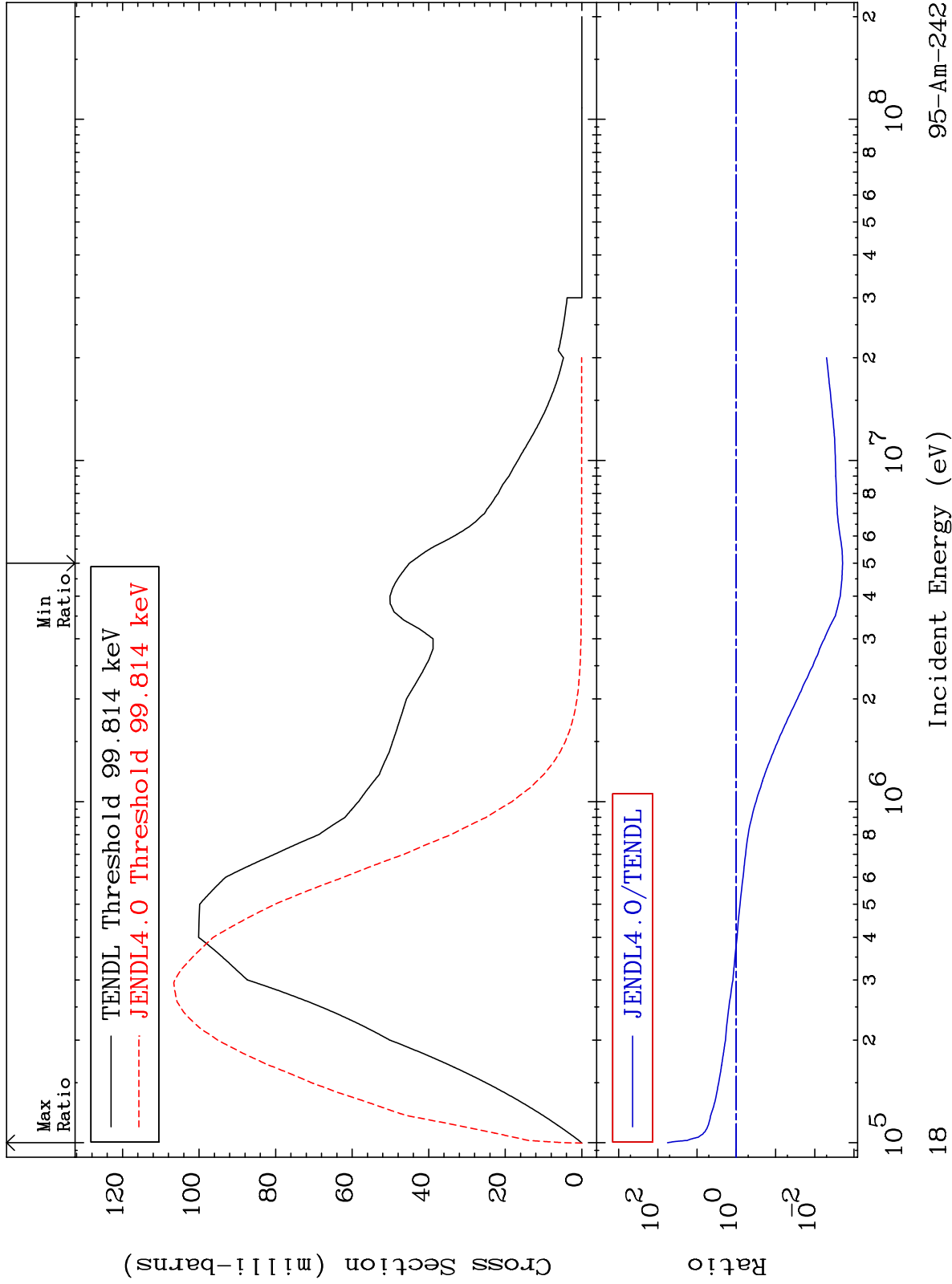


17 Incident Energy (eV) 95-Am-242

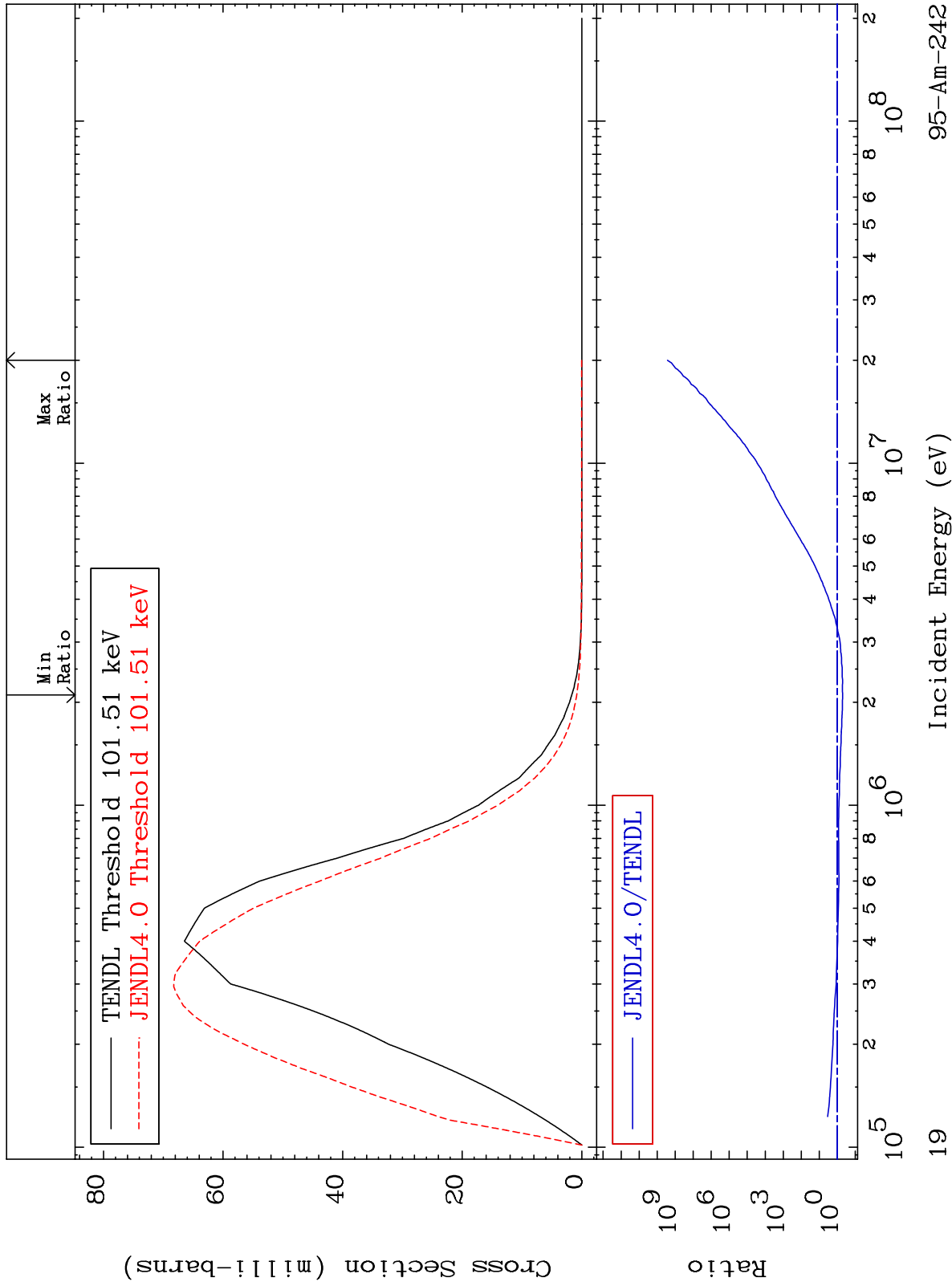
MAT 9547

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

95-Am-242  
-99.81 To 5572. %



MAT 9547      MT= 58 (n,n') Level      95-Am-242  
Cross Section      -49.73 To 9999. %



95-Am-242

Incident Energy (eV)

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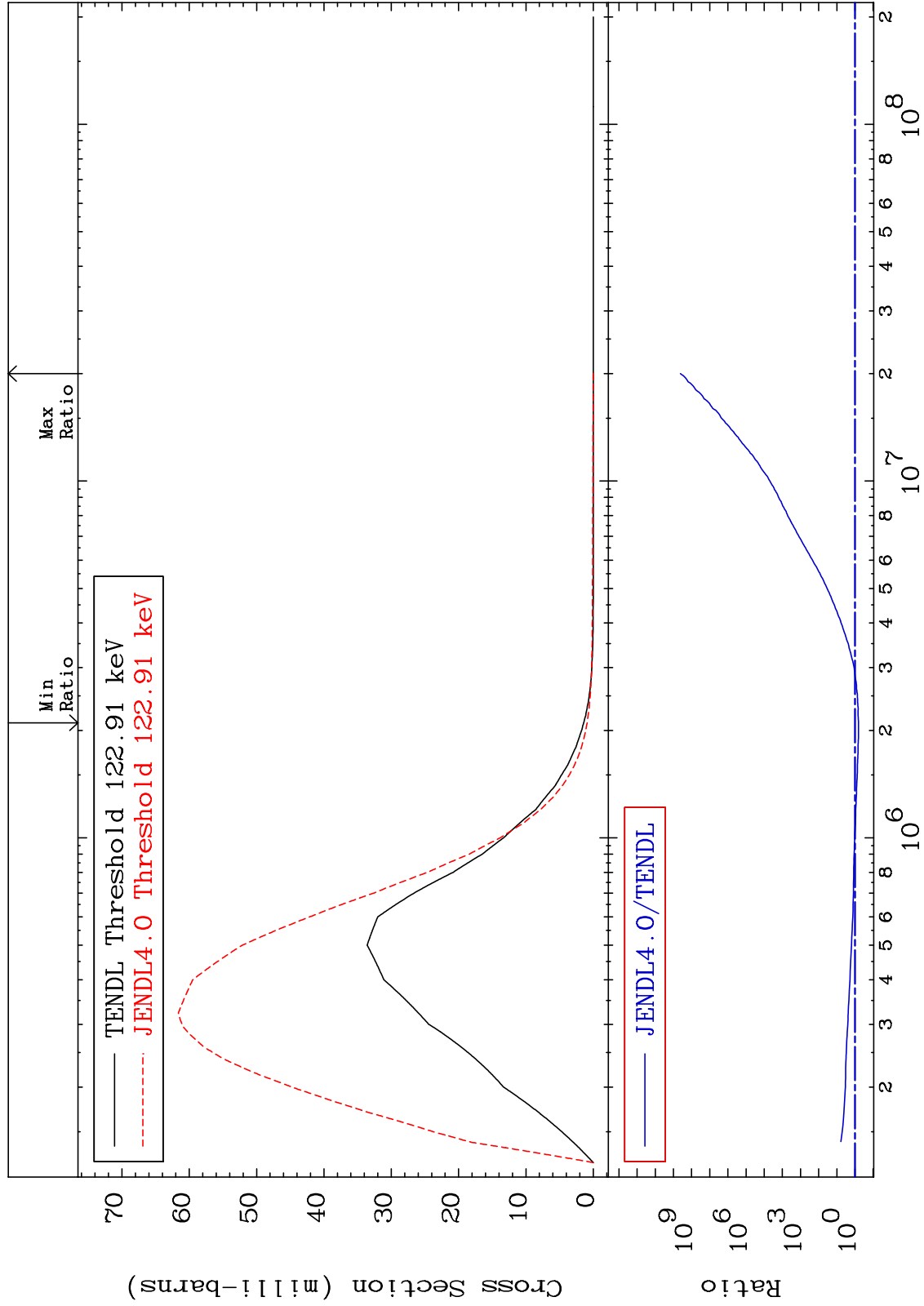
MAT 9547

MT= 59 (n,n') Level

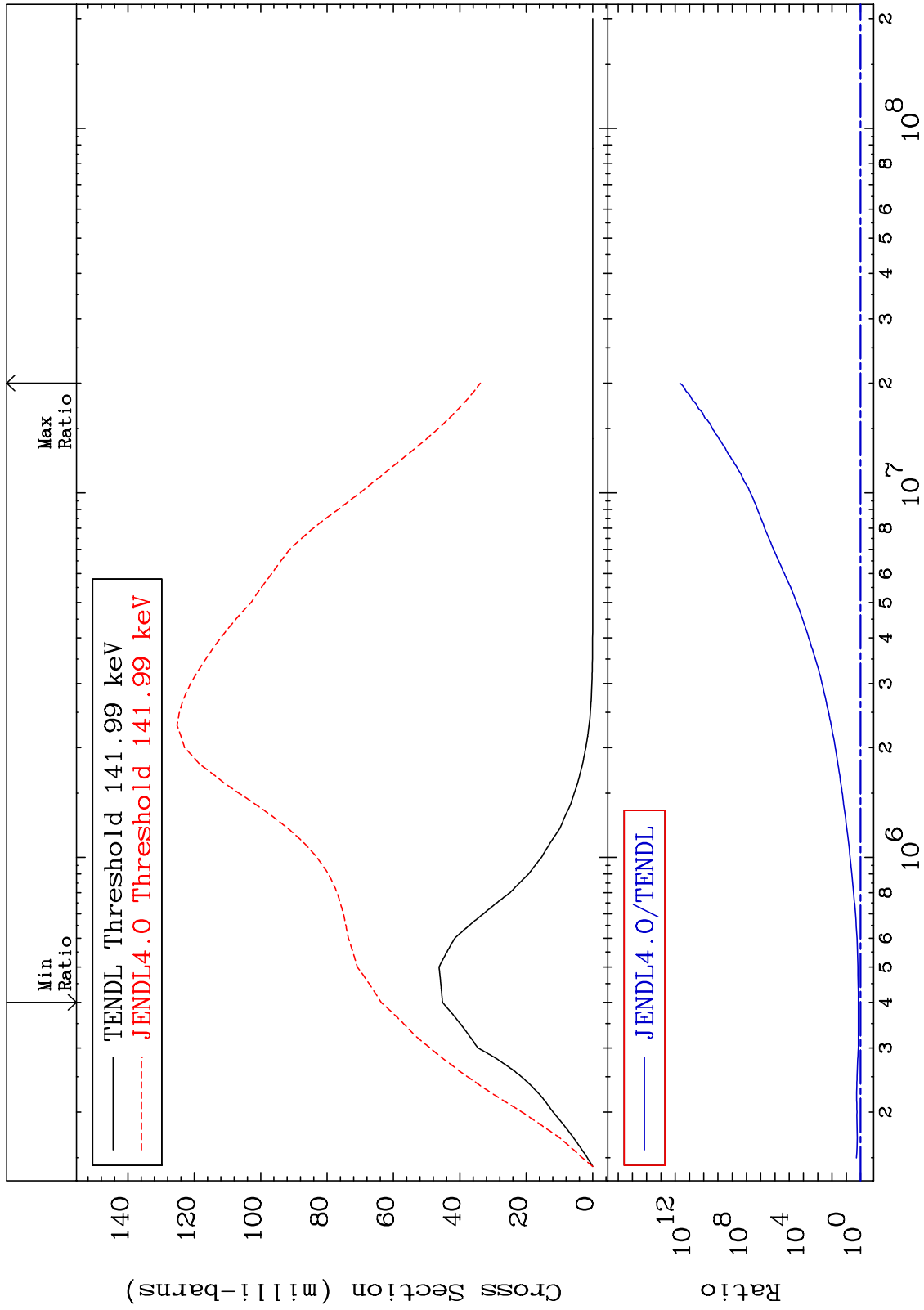
95-Am-242

-36.05 To 9999. %

Cross Section



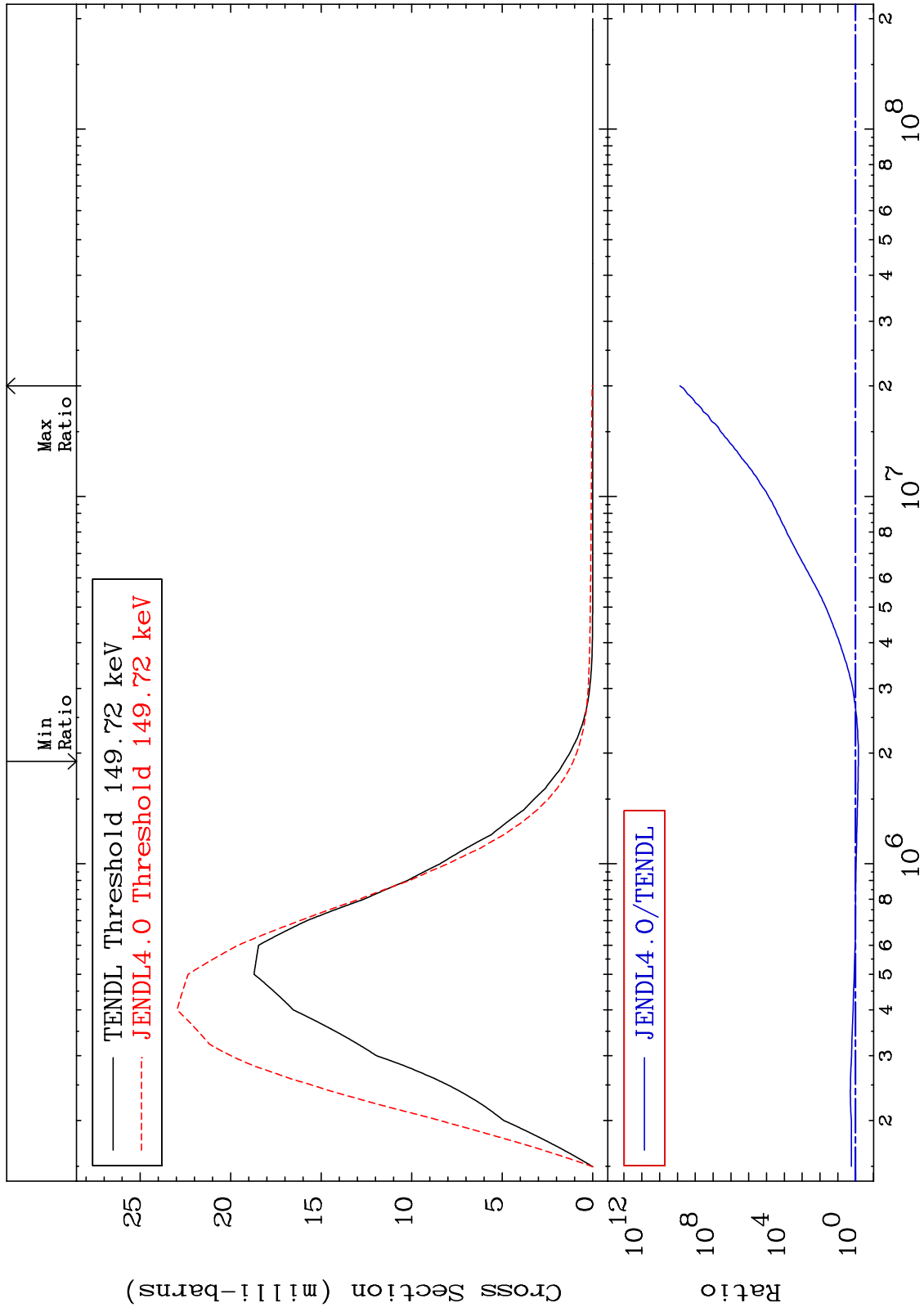
MAT 9547 MT= 60 (n,n') Level Cross Section 95-Am-242 40.89 To 9999. %



MAT 9547

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

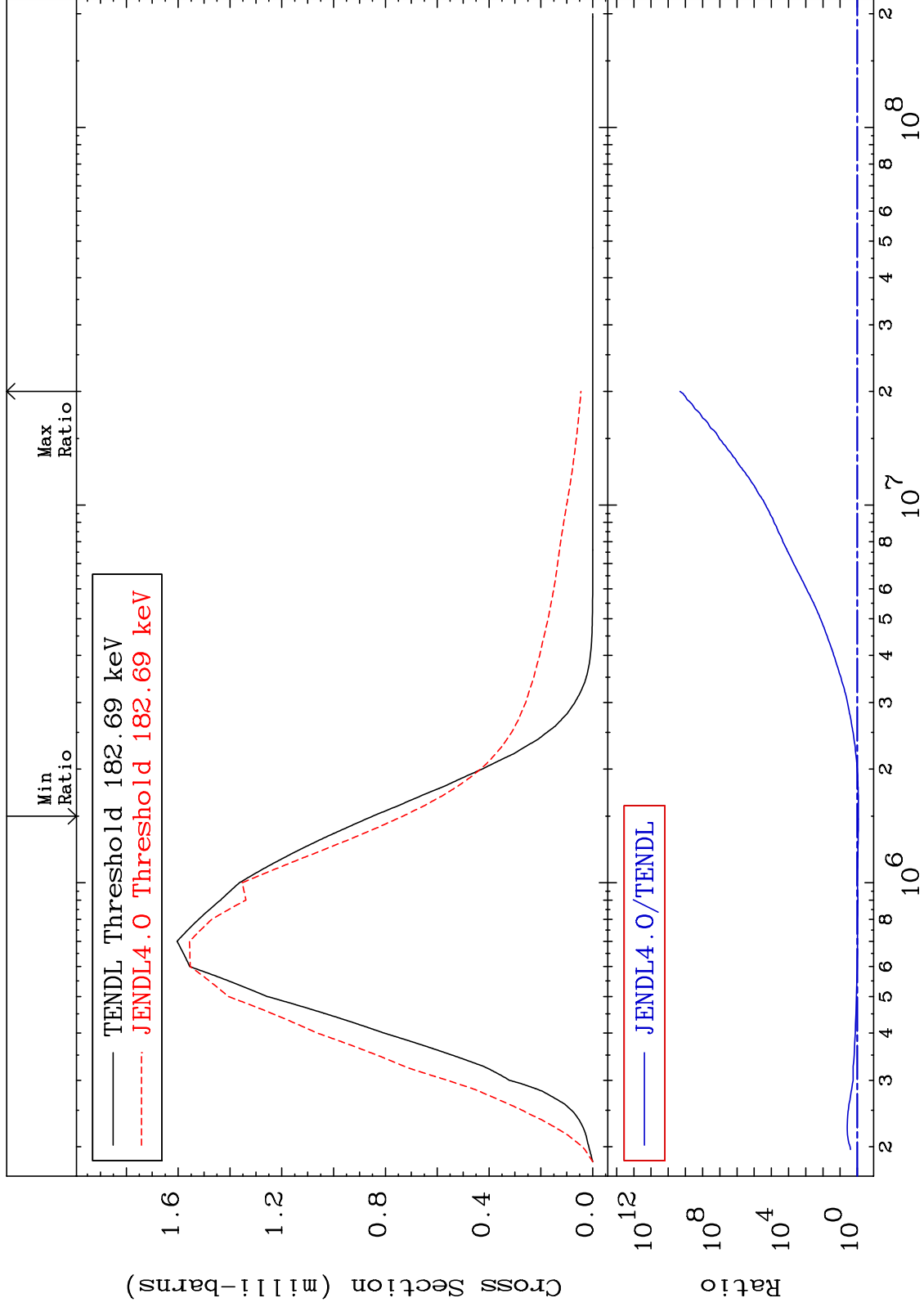
95-Am-242  
-30.43 To 9999. %



MAT 9547

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

95-Am-242  
-13.73 To 9999. %

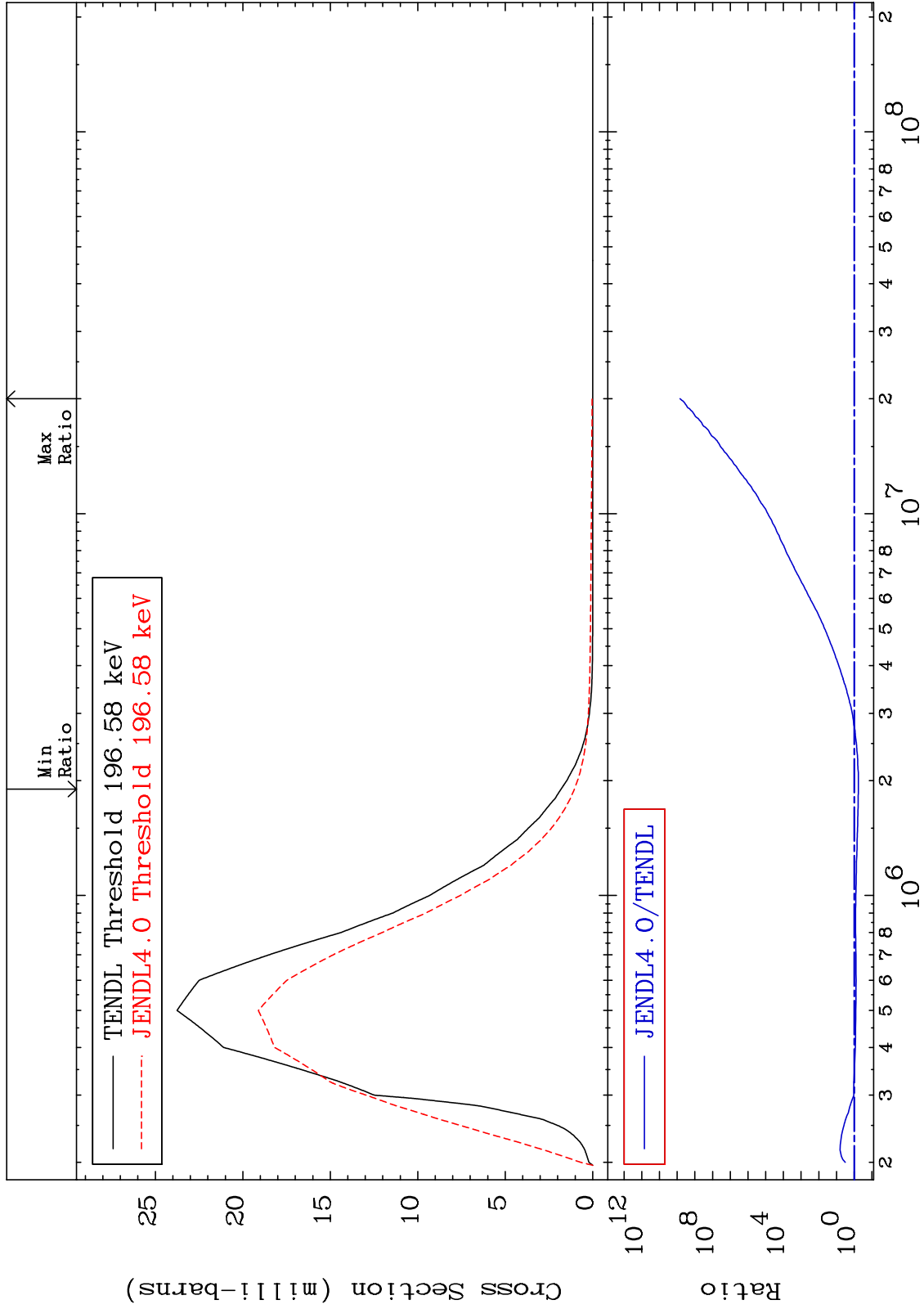




MAT 9547

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

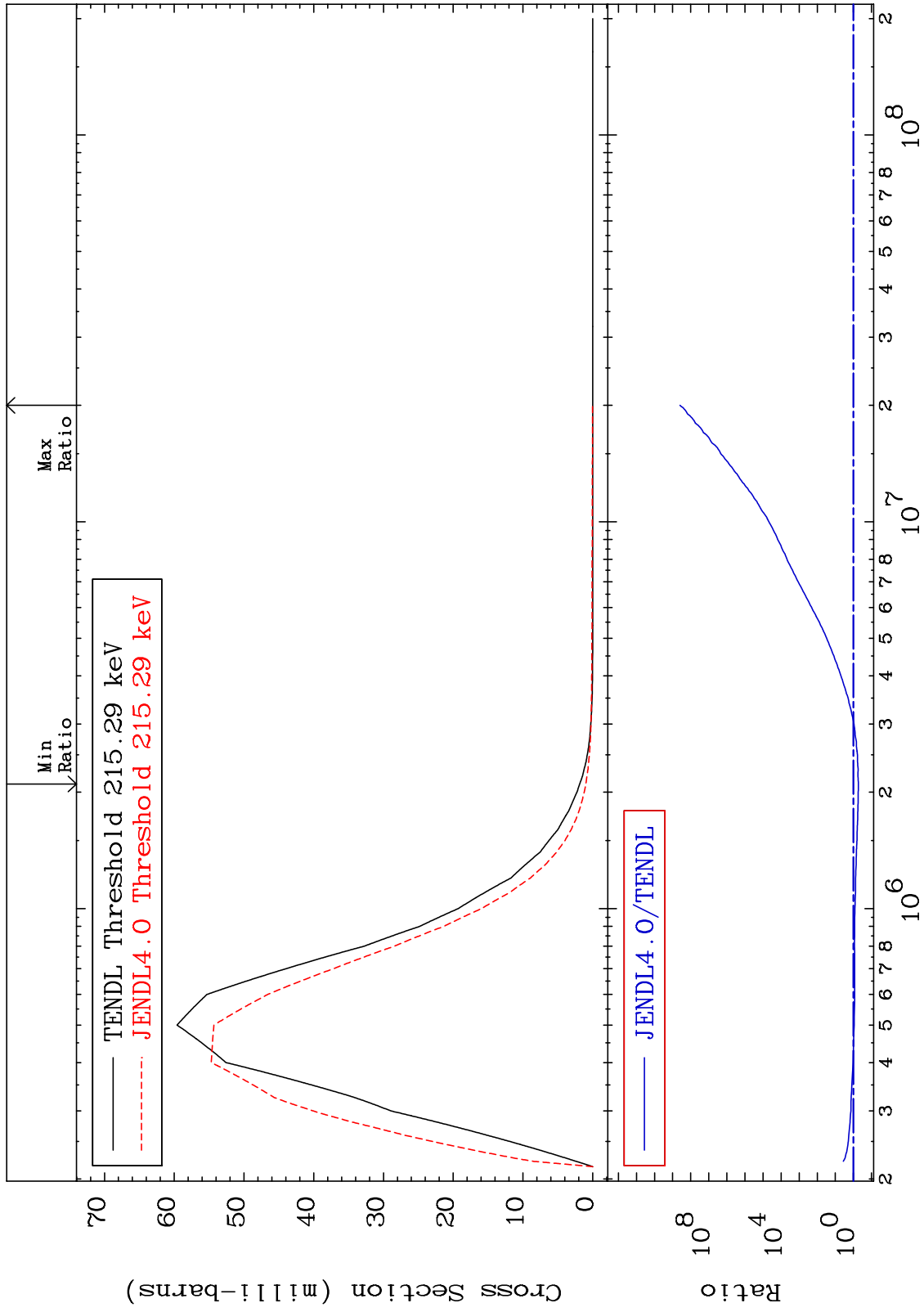
95-Am-242  
-42.35 To 9999. %



MAT 9547

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

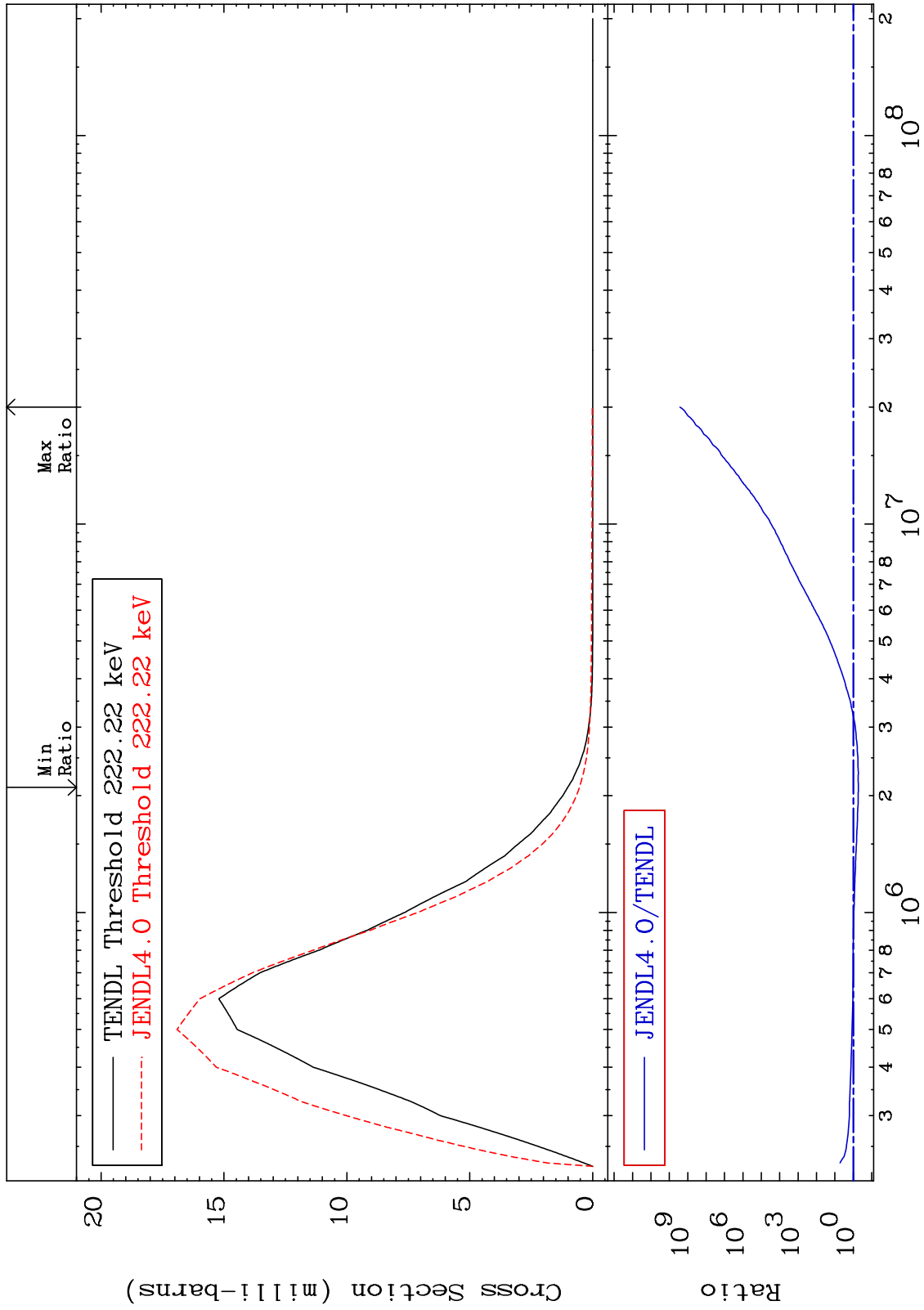
95-Am-242  
-47.11 To 9999. %



MAT 9547

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

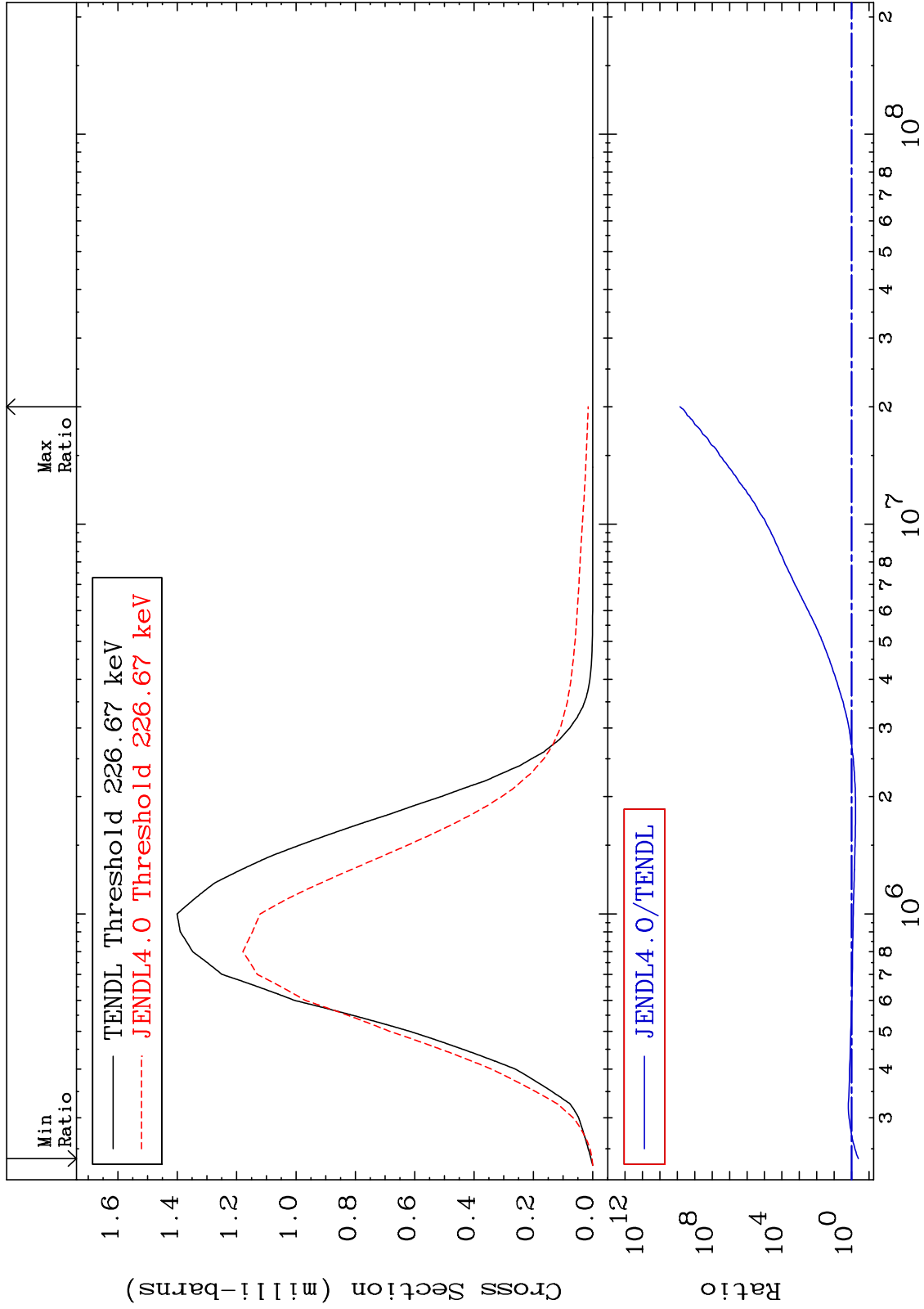
95-Am-242  
-47.32 To 9999. %



MAT 9547

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

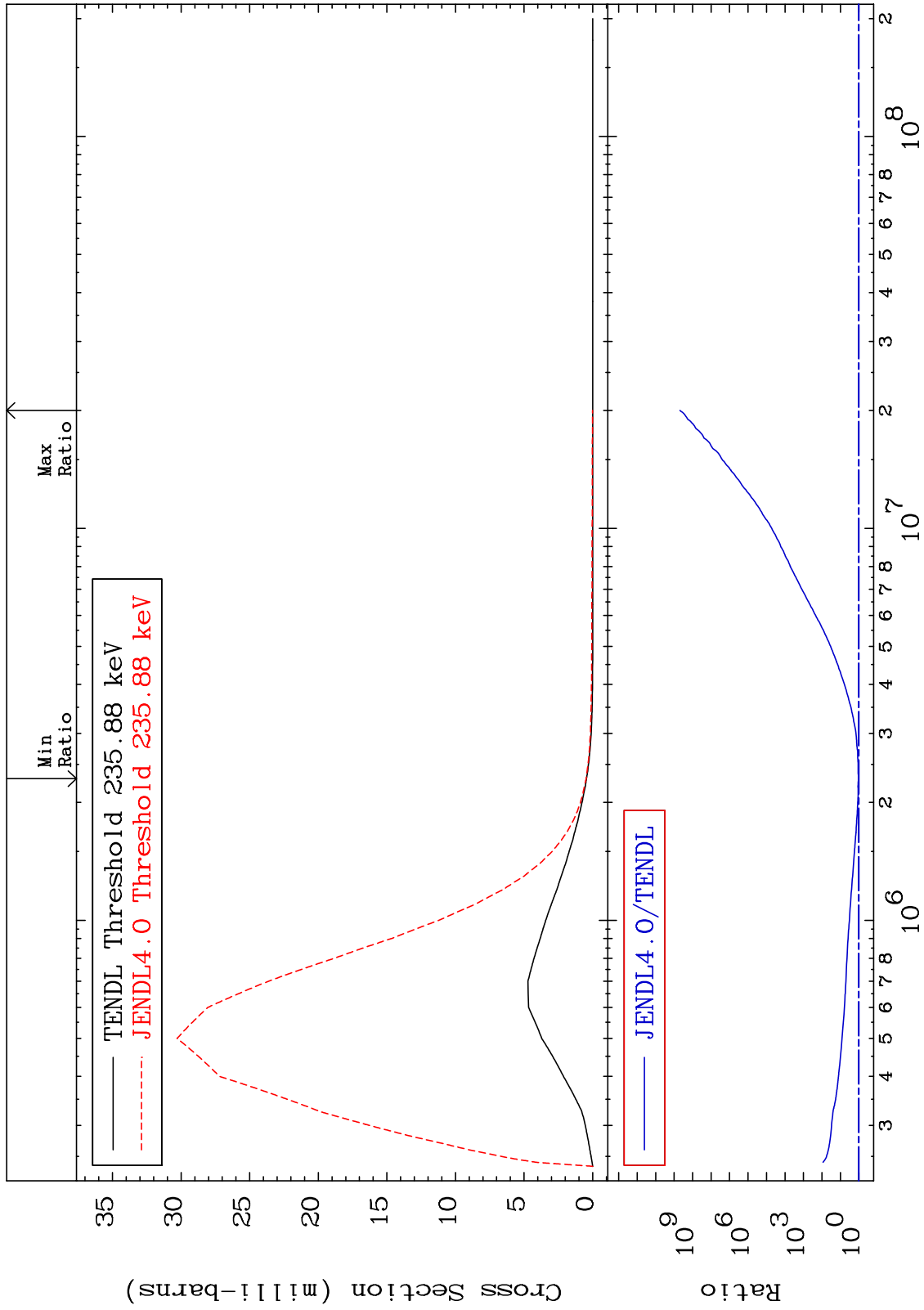
95-Am-242  
-59.58 To 9999. %



MAT 9547

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

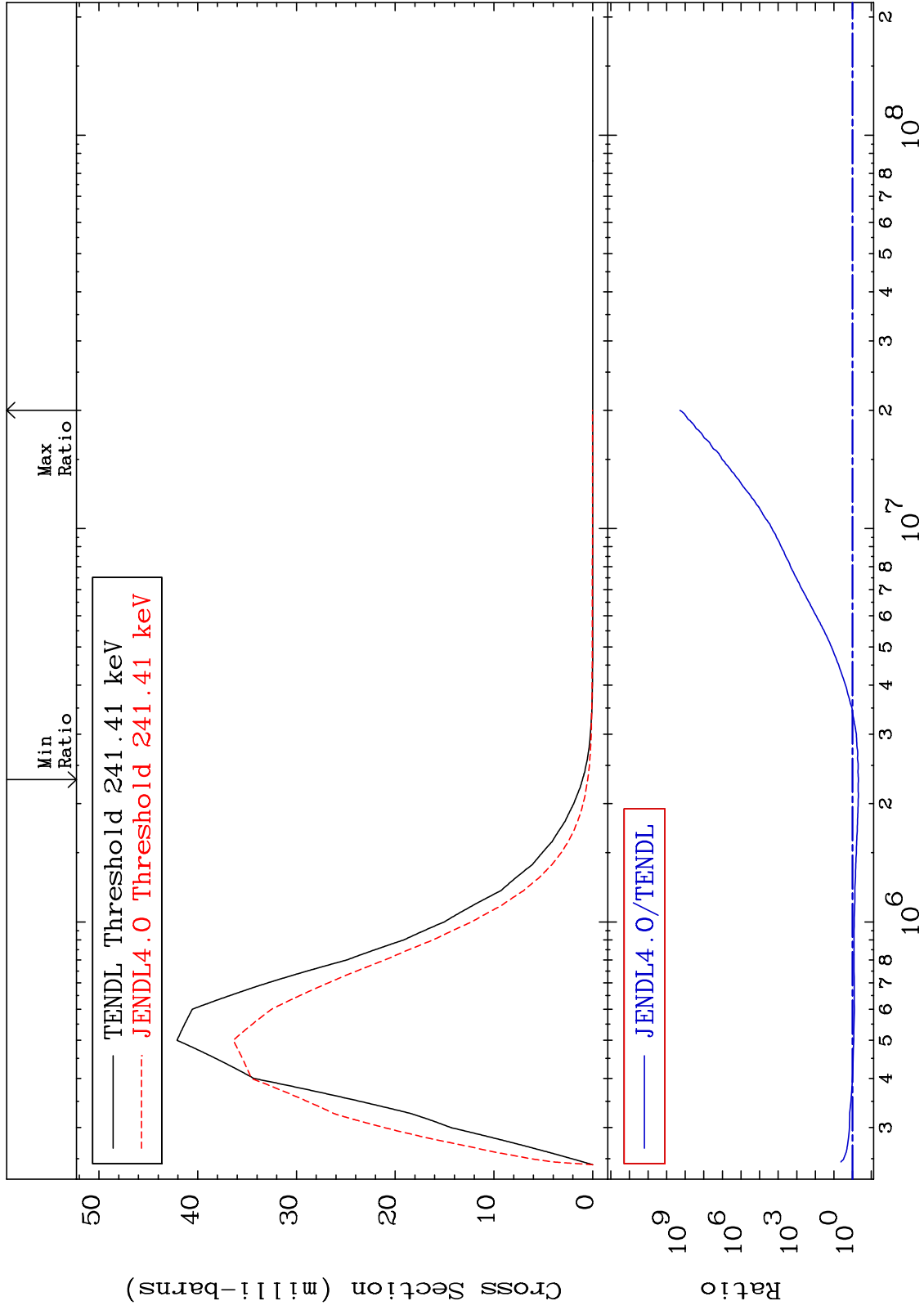
95-Am-242  
5.935 To 9999. %



MAT 9547

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

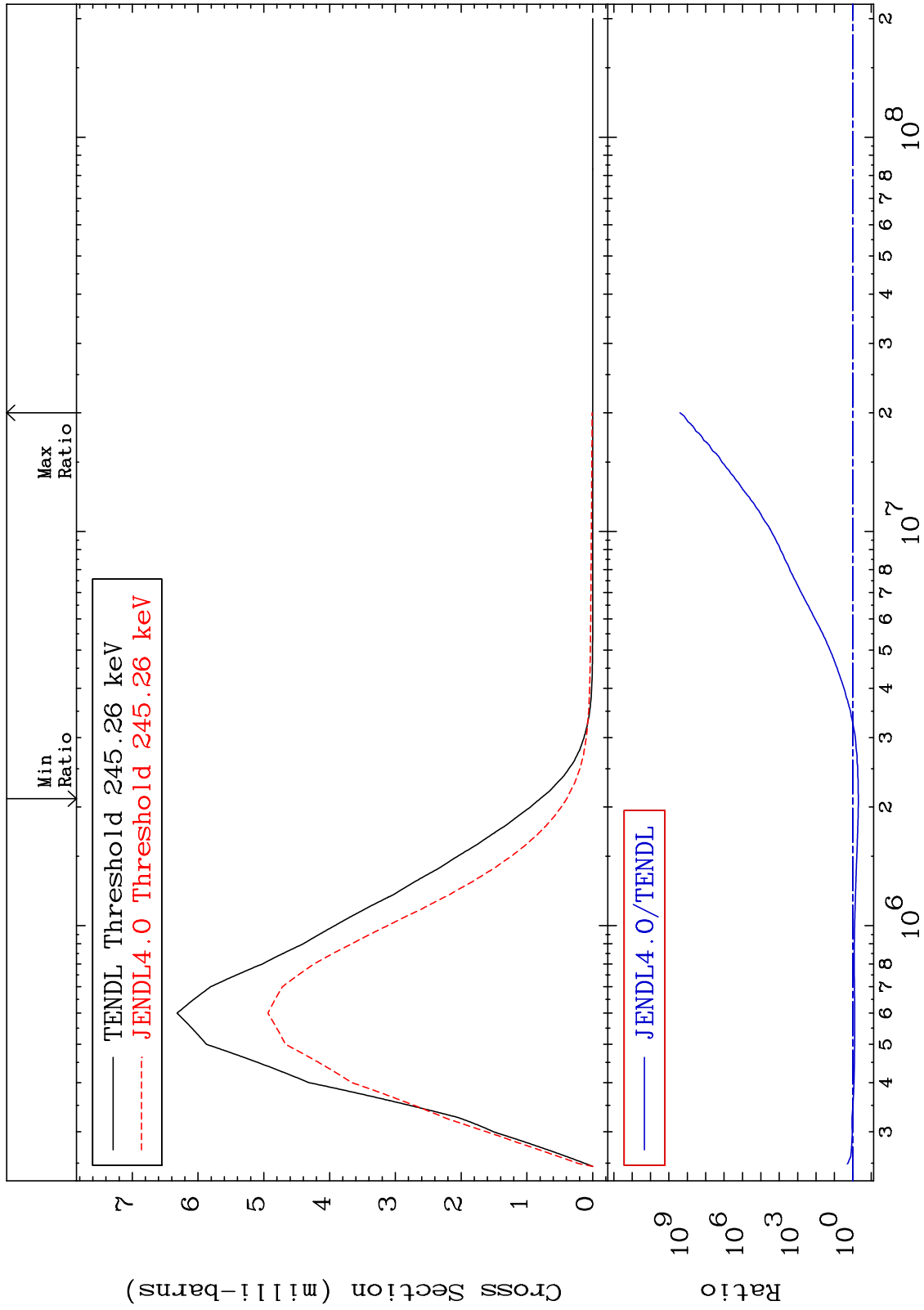
95-Am-242  
-51.59 To 9999. %



MAT 9547

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

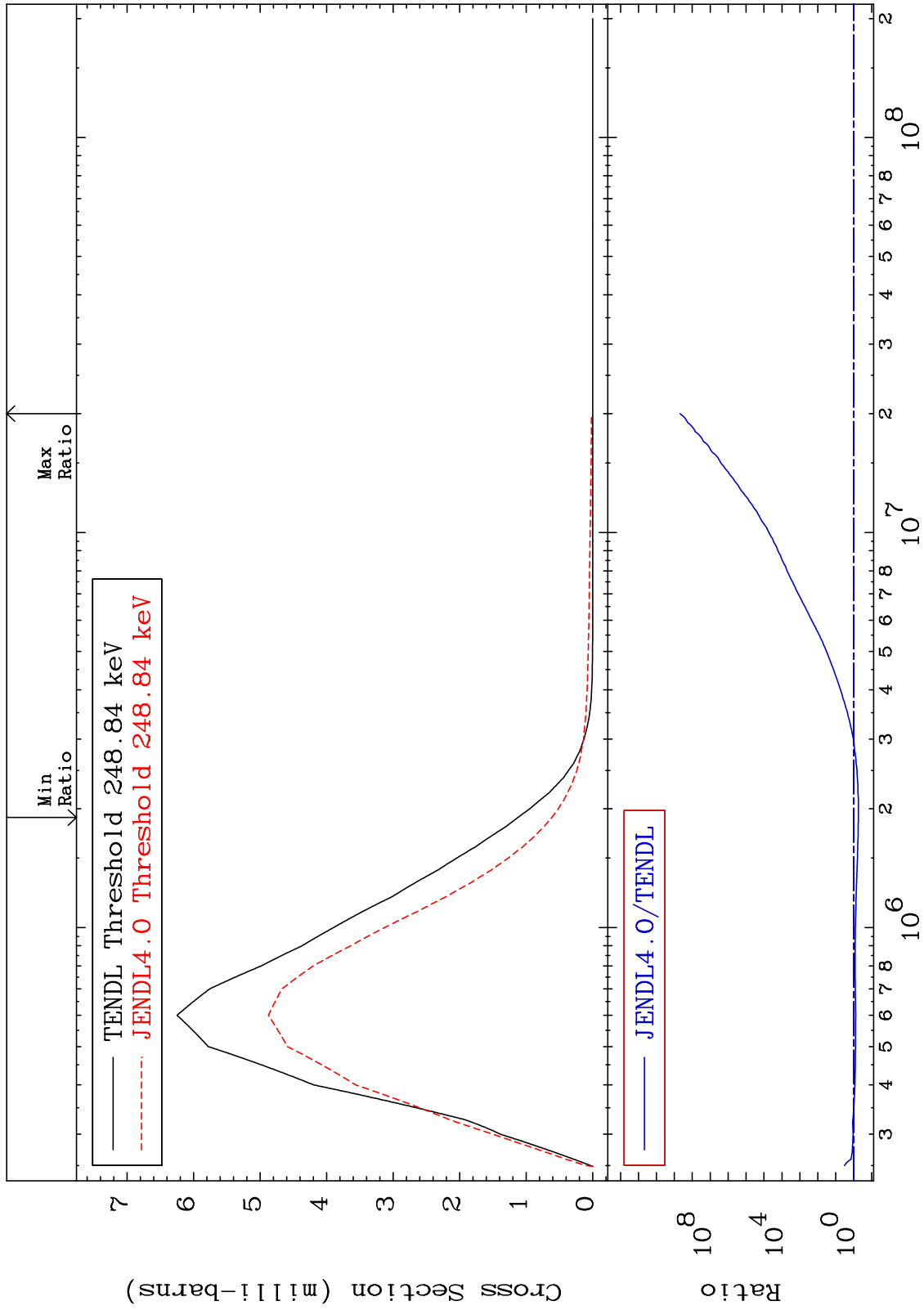
95-Am-242  
-50.52 To 9999. %



MAT 9547

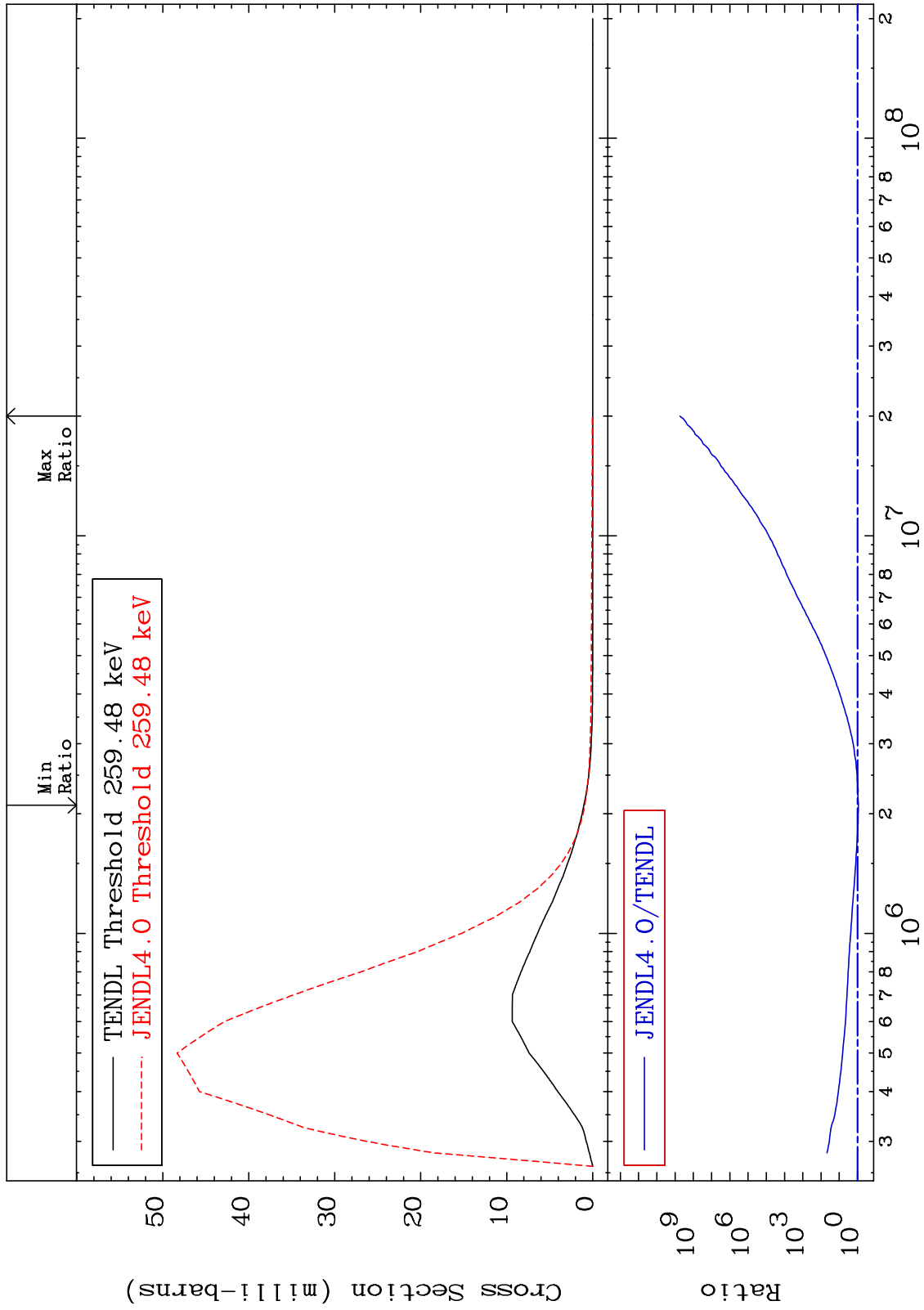
MT= 70 (n,n') Level  
Cross Section

95-Am-242  
-45.32 To 9999. %





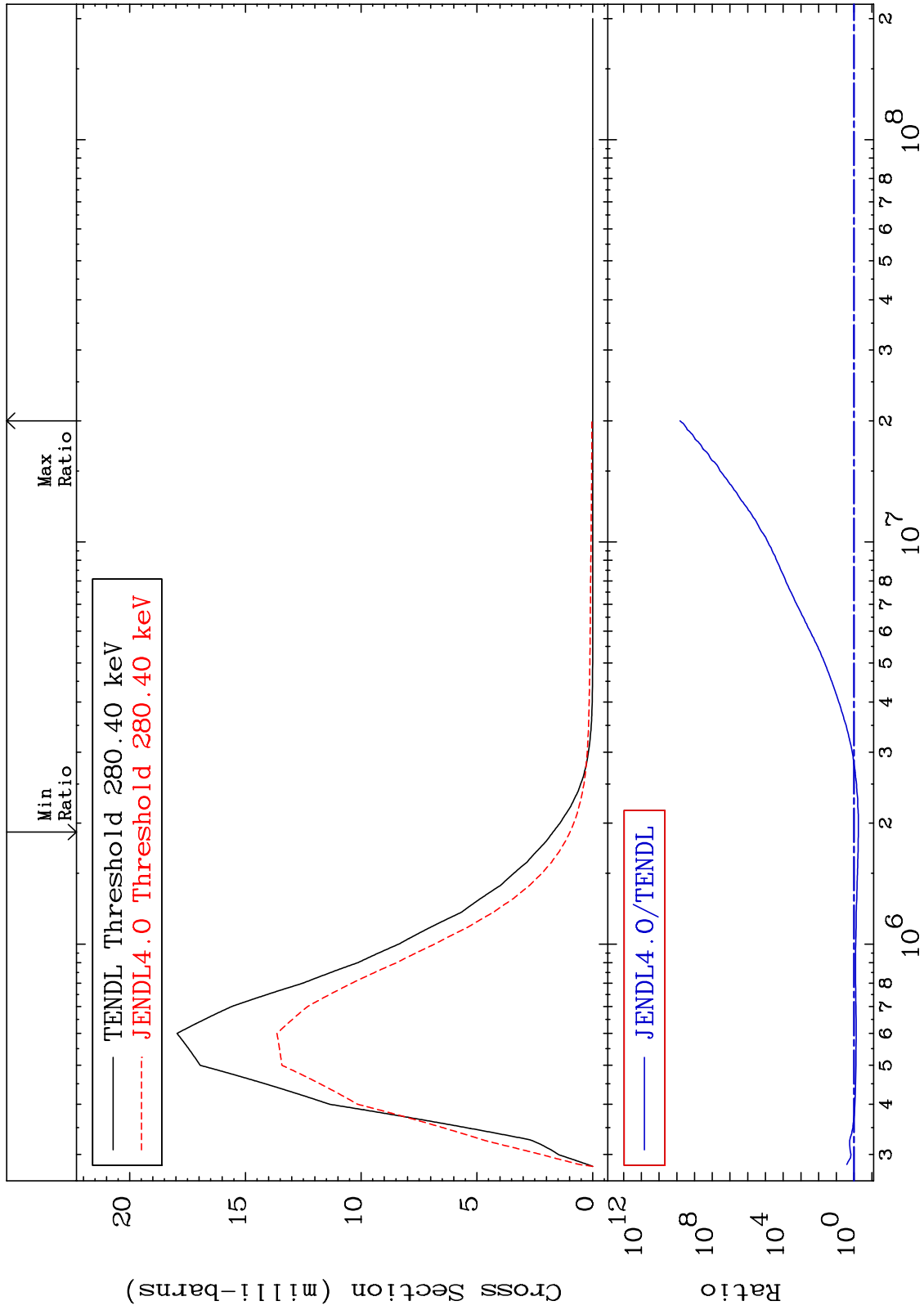
MAT 9547 MT= 71 (n,n') Level Cross Section 95-Am-242  
 -10.64 To 9999. %



MAT 9547

MT= 72 (n,n') Level  
Cross Section

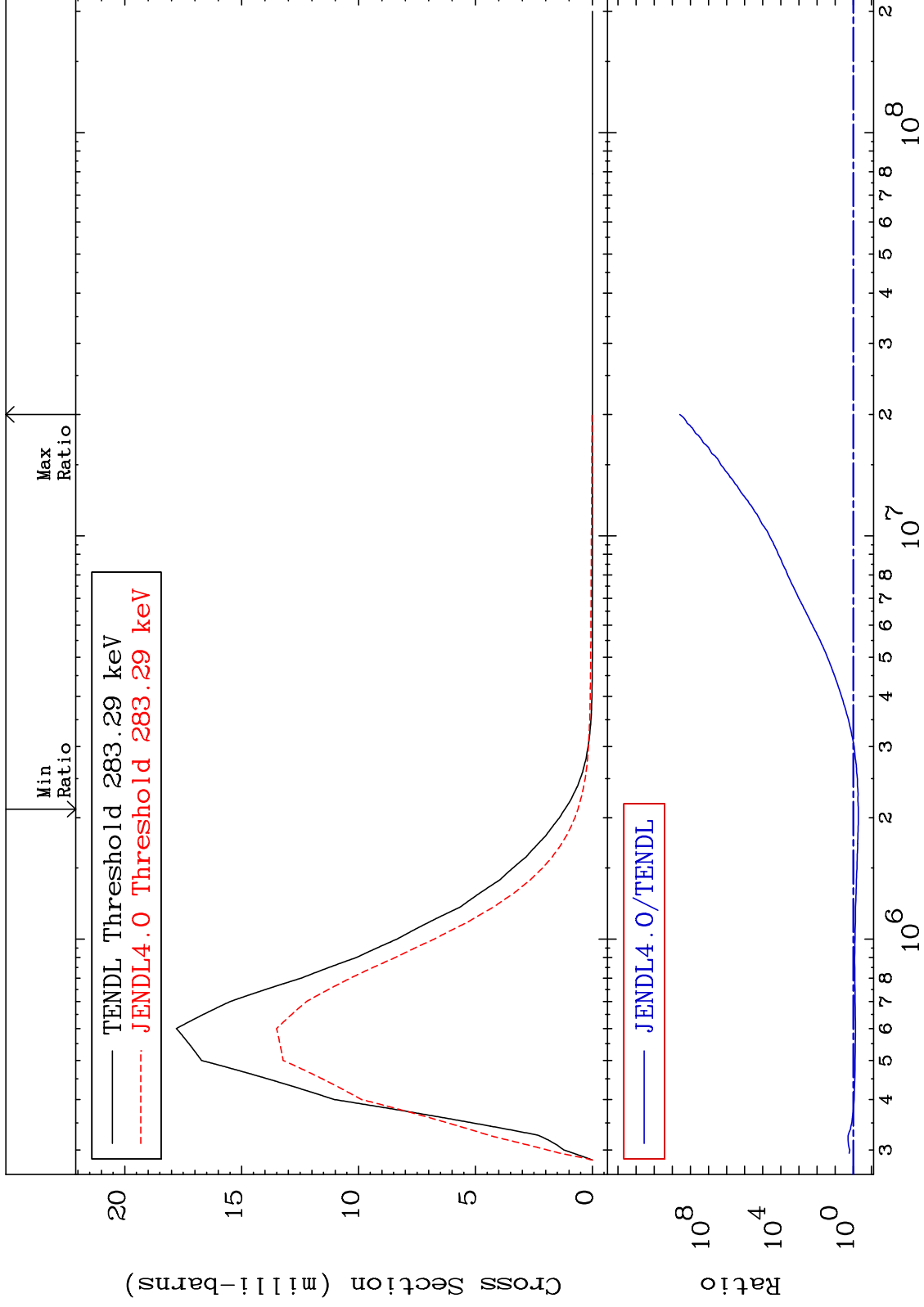
95-Am-242  
-42.84 To 9999. %



MAT 9547

MT= 73 (n,n') Level  
Cross Section

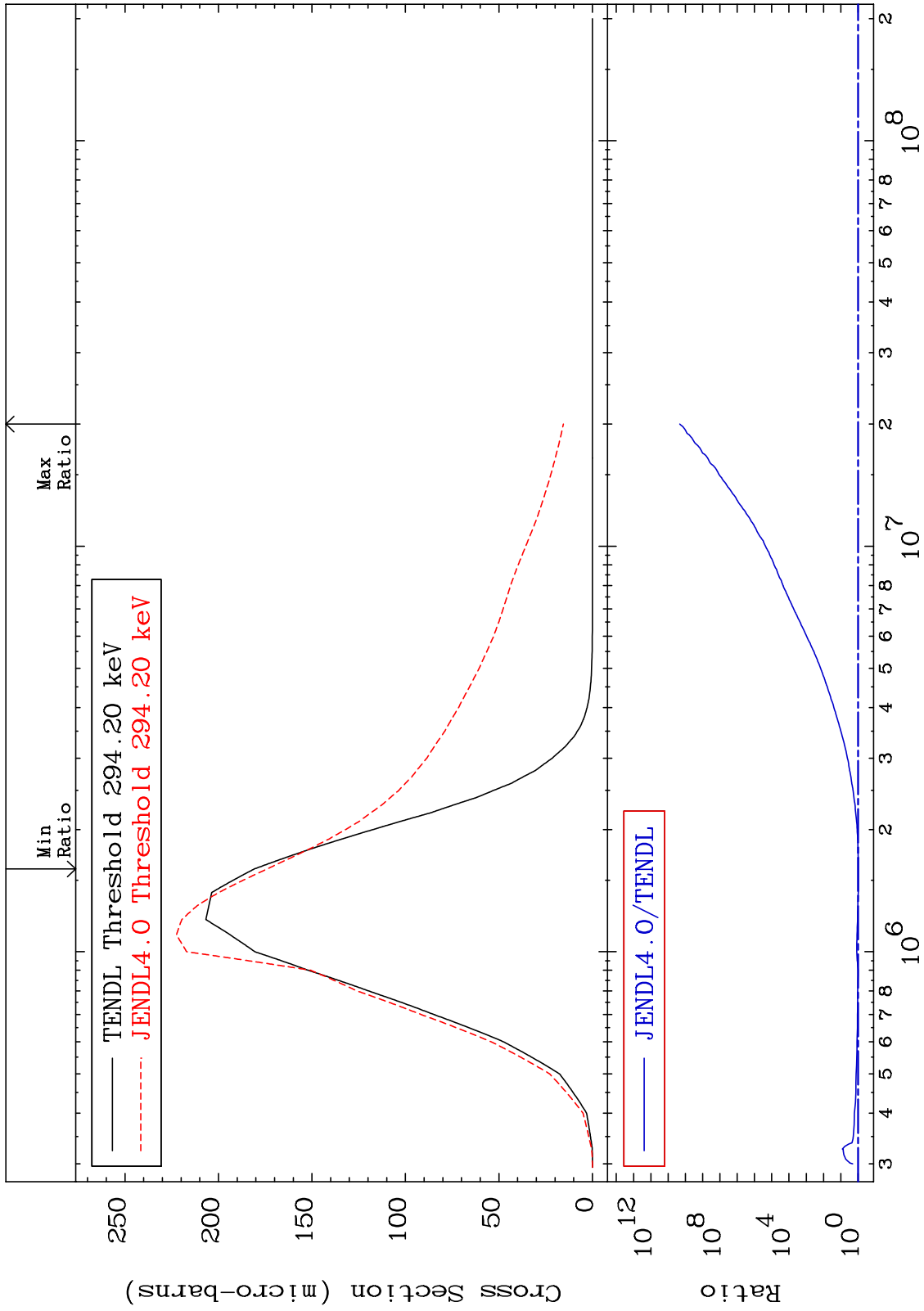
95-Am-242  
-47.62 To 9999. %



MAT 9547

MT= 74 (n,n') Level  
Cross Section

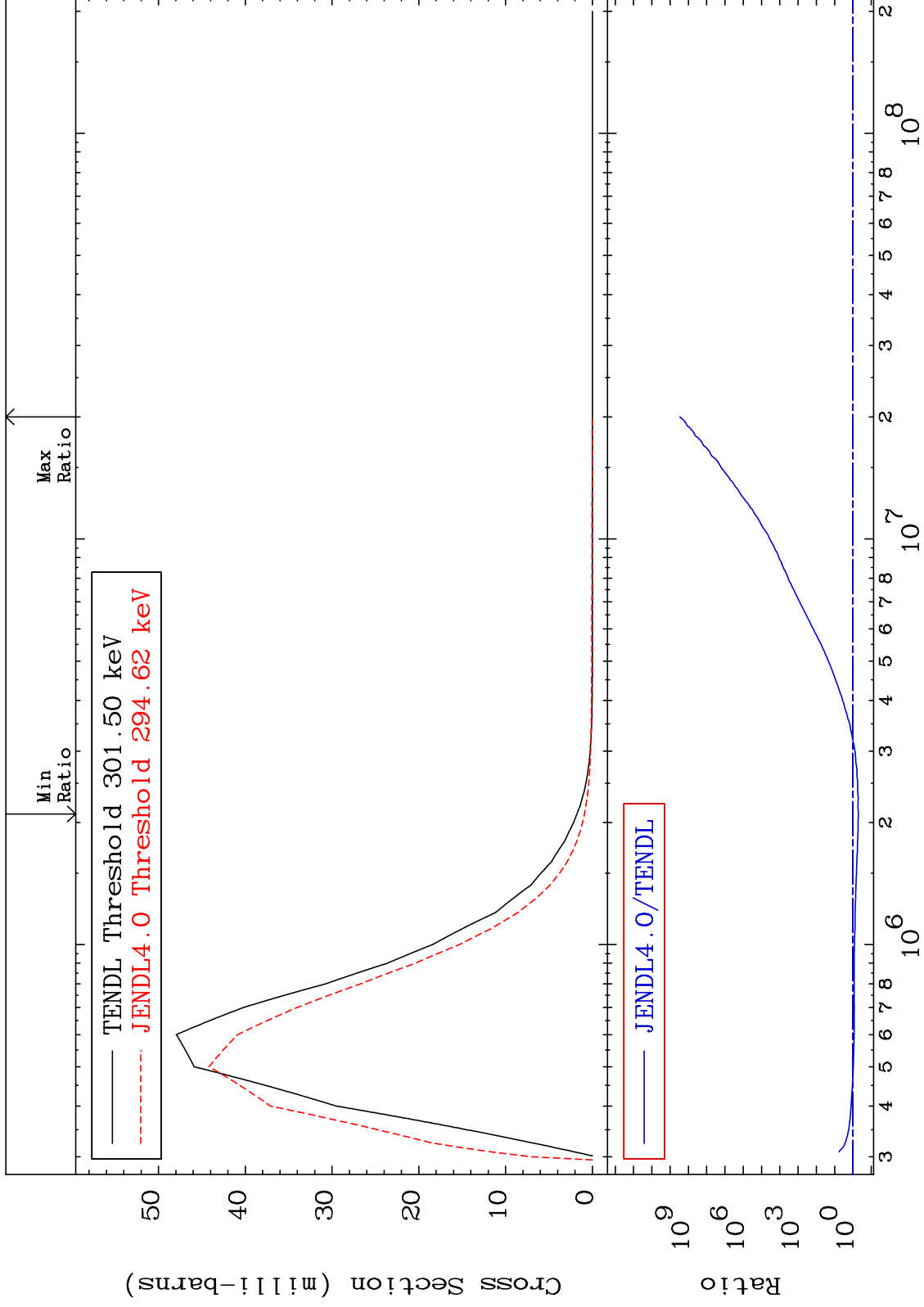
95-Am-242  
-3.795 To 9999. %



MAT 9547

MT= 75 (n,n') Level  
Cross Section

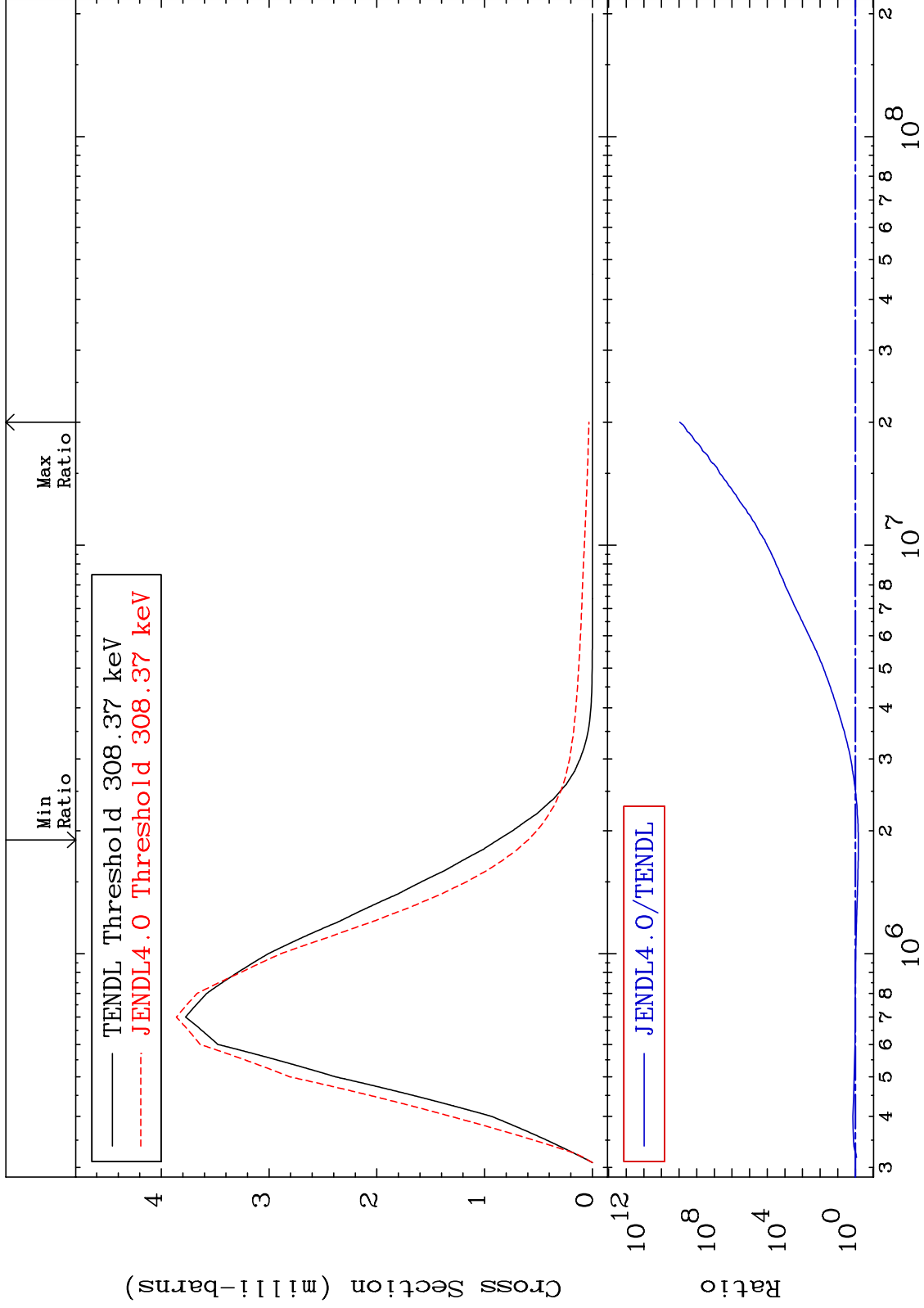
95-Am-242  
-49.38 To 9999. %



MAT 9547

MT= 76 (n,n') Level  
Cross Section

95-Am-242  
-32.08 To 9999. %



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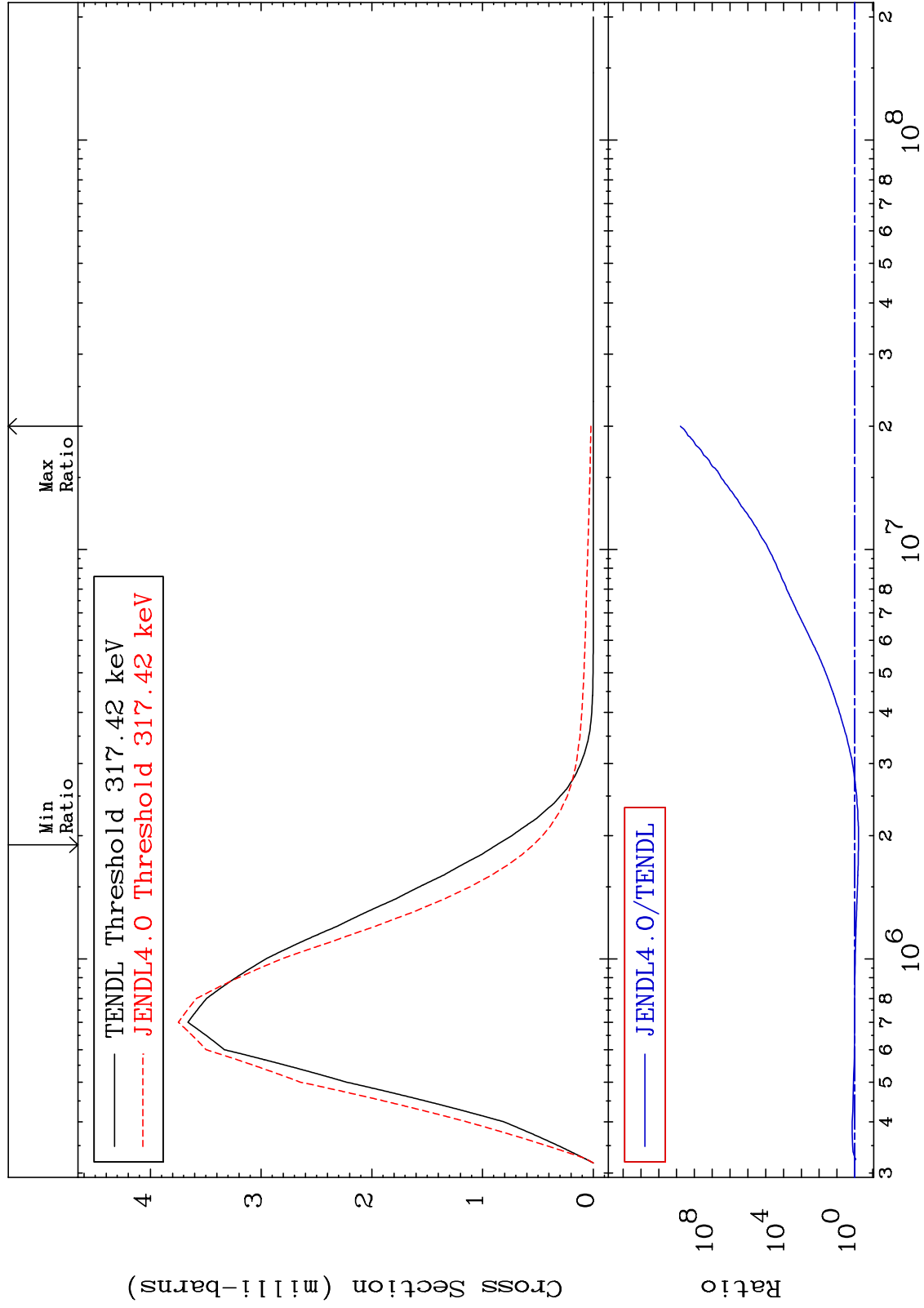
Incident Energy (eV)

95-Am-242

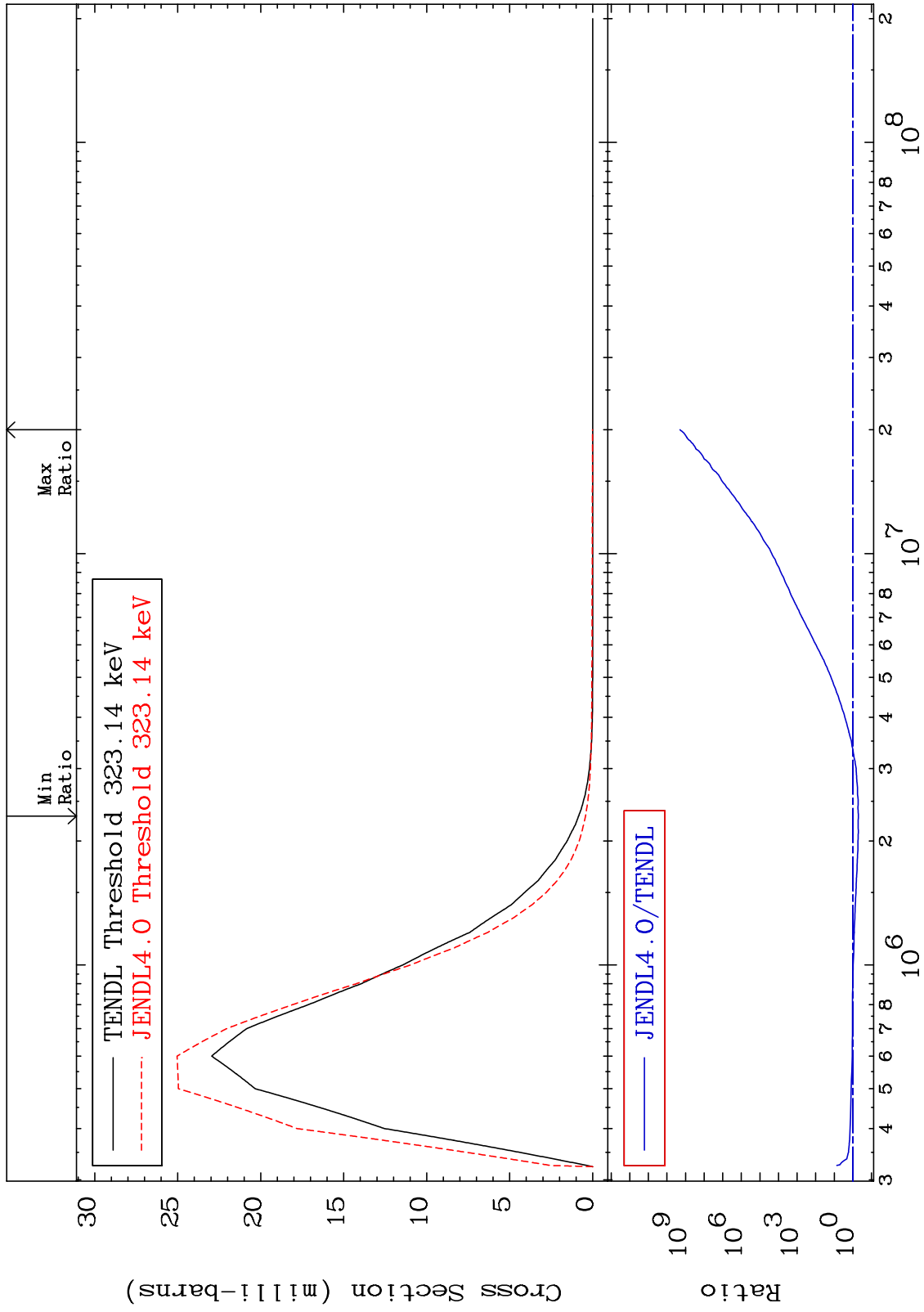
MAT 9547

MT= 77 (n,n') Level  
Cross Section

95-Am-242  
-38.05 To 9999. %



MAT 9547 MT= 78 (n,n') Level Cross Section 95-Am-242  
-49.50 To 9999. %

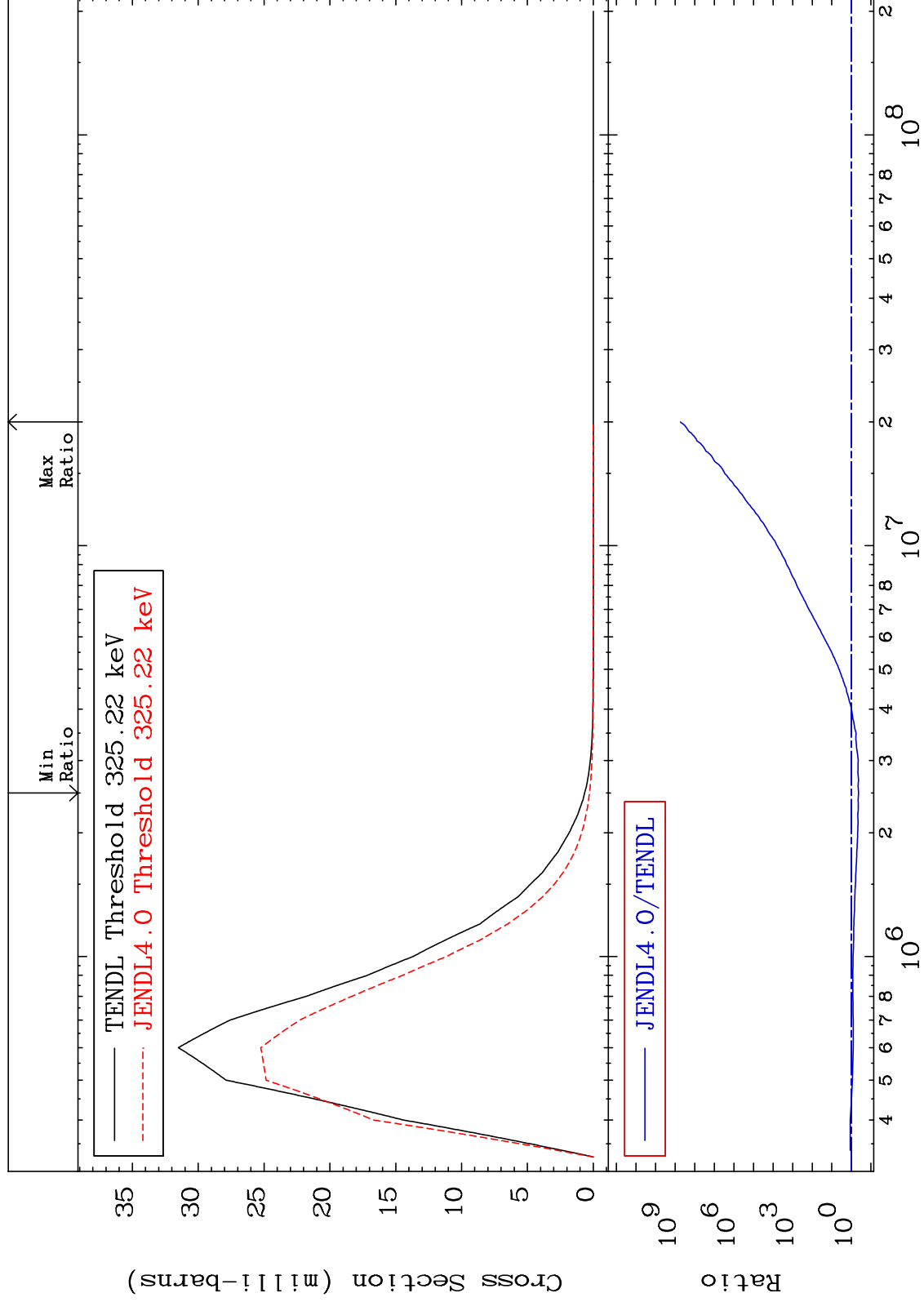




MAT 9547

MT= 79 (n,n') Level  
Cross Section

95-Am-242  
-56.73 To 9999. %



40

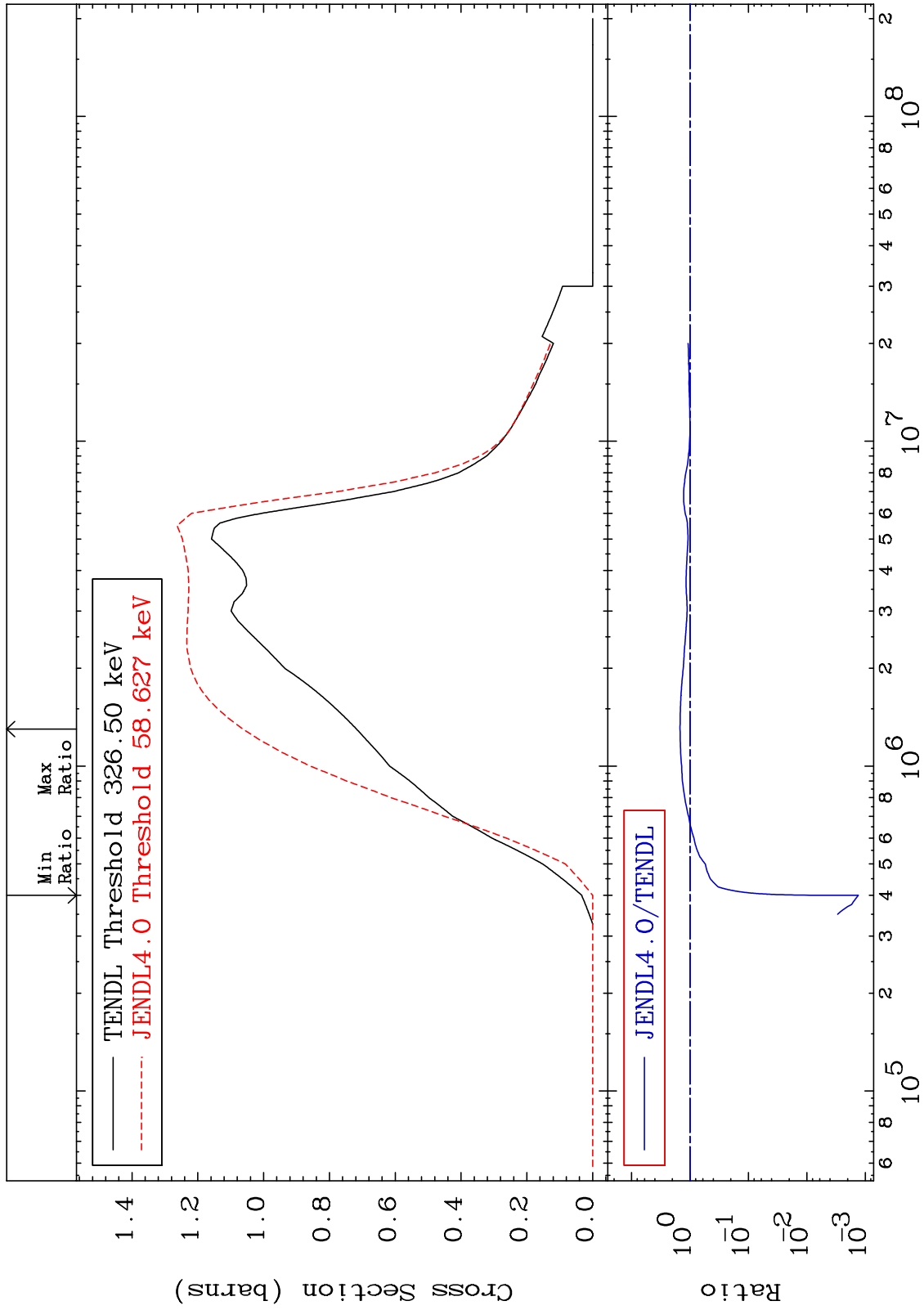
Incident Energy (eV)

95-Am-242

MAT 9547

(n, n') Continuum  
Cross Section

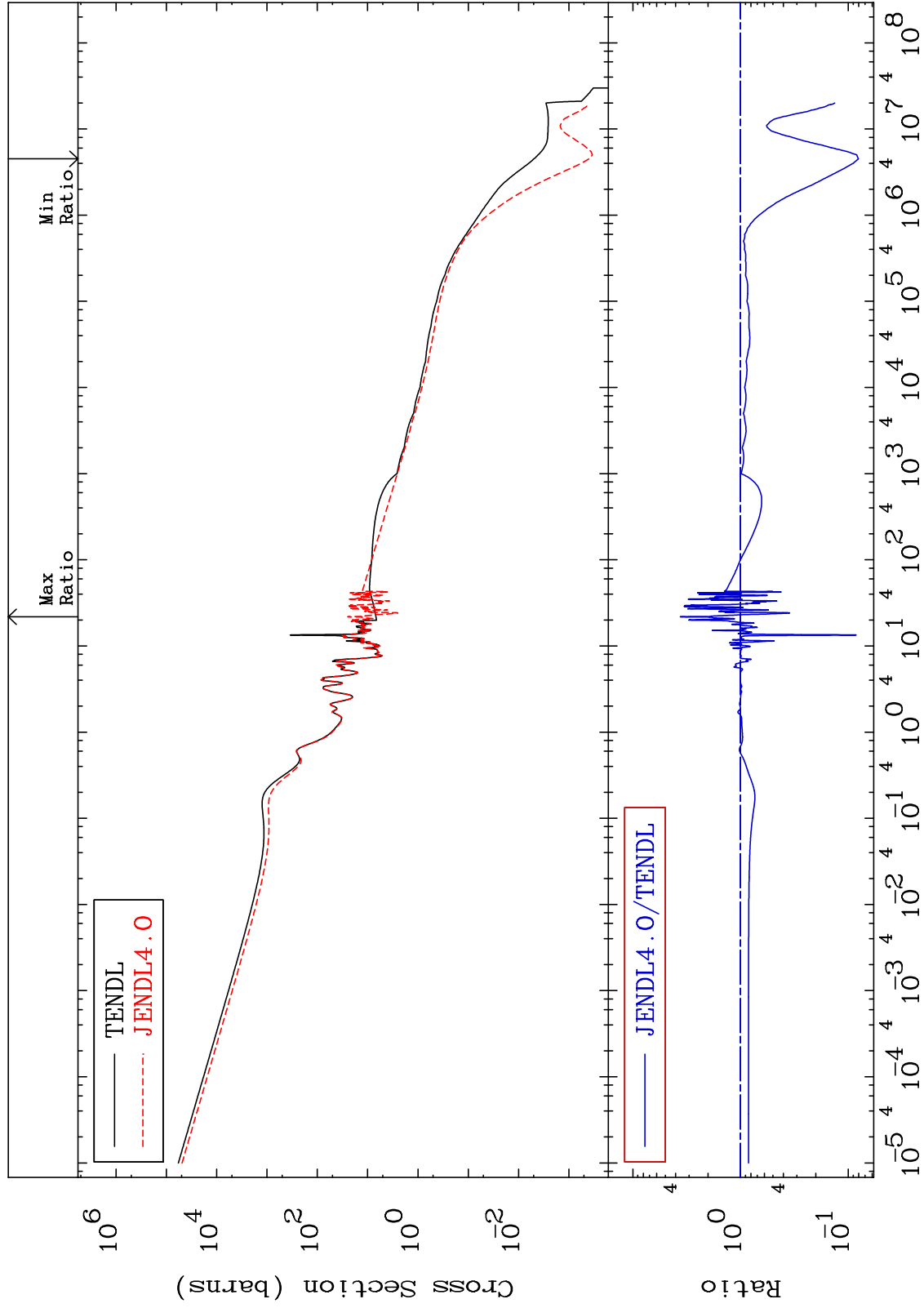
95-Am-242  
-99.87 To 48.12 %



MAT 9547

(n,  $\gamma$ )  
Cross Section

95-Am-242  
-91.97 To 261.3 %



42

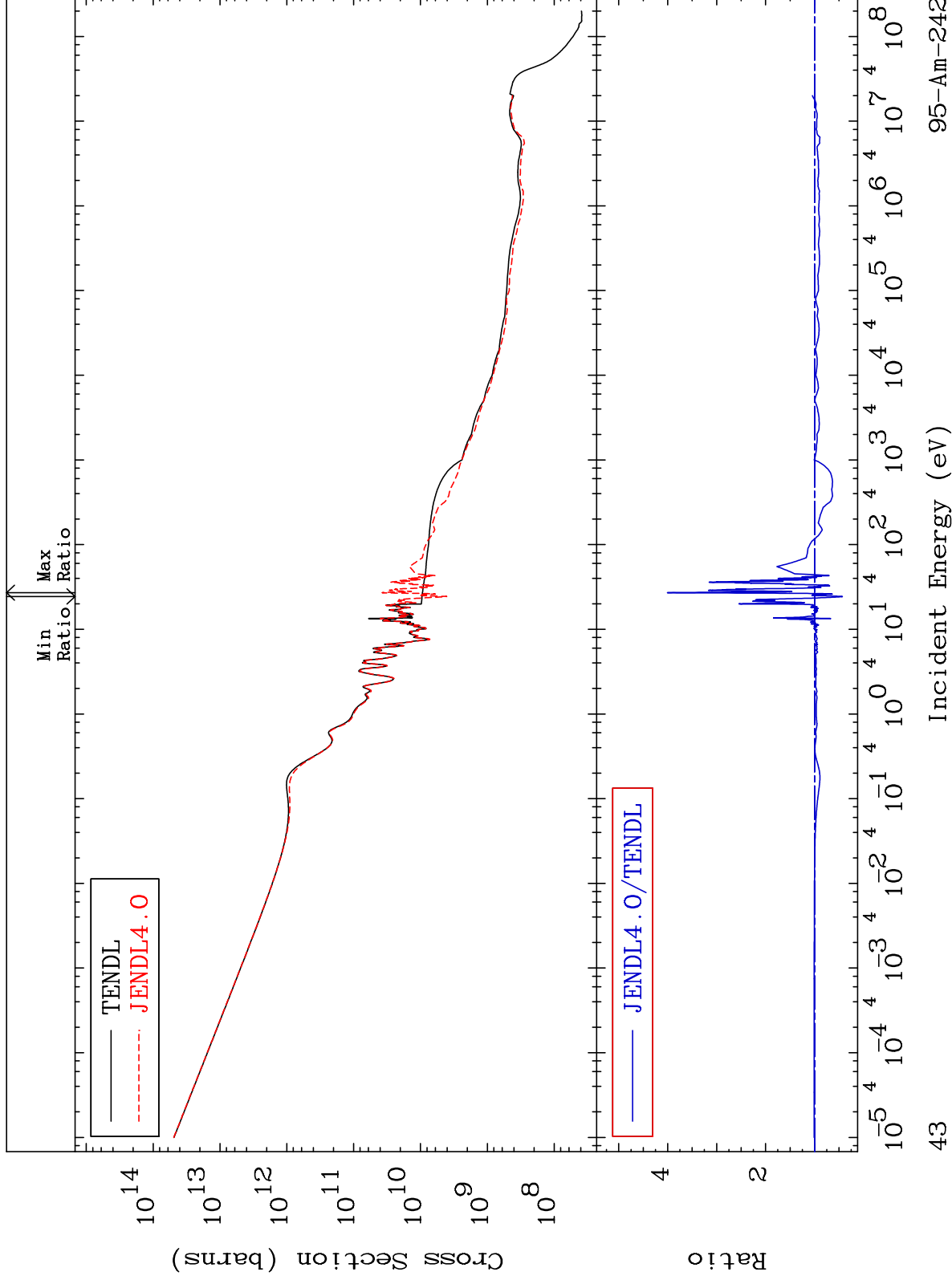
Incident Energy (eV)

95-Am-242

MAT 9547

Kerma total (eV-barns)  
Cross Section

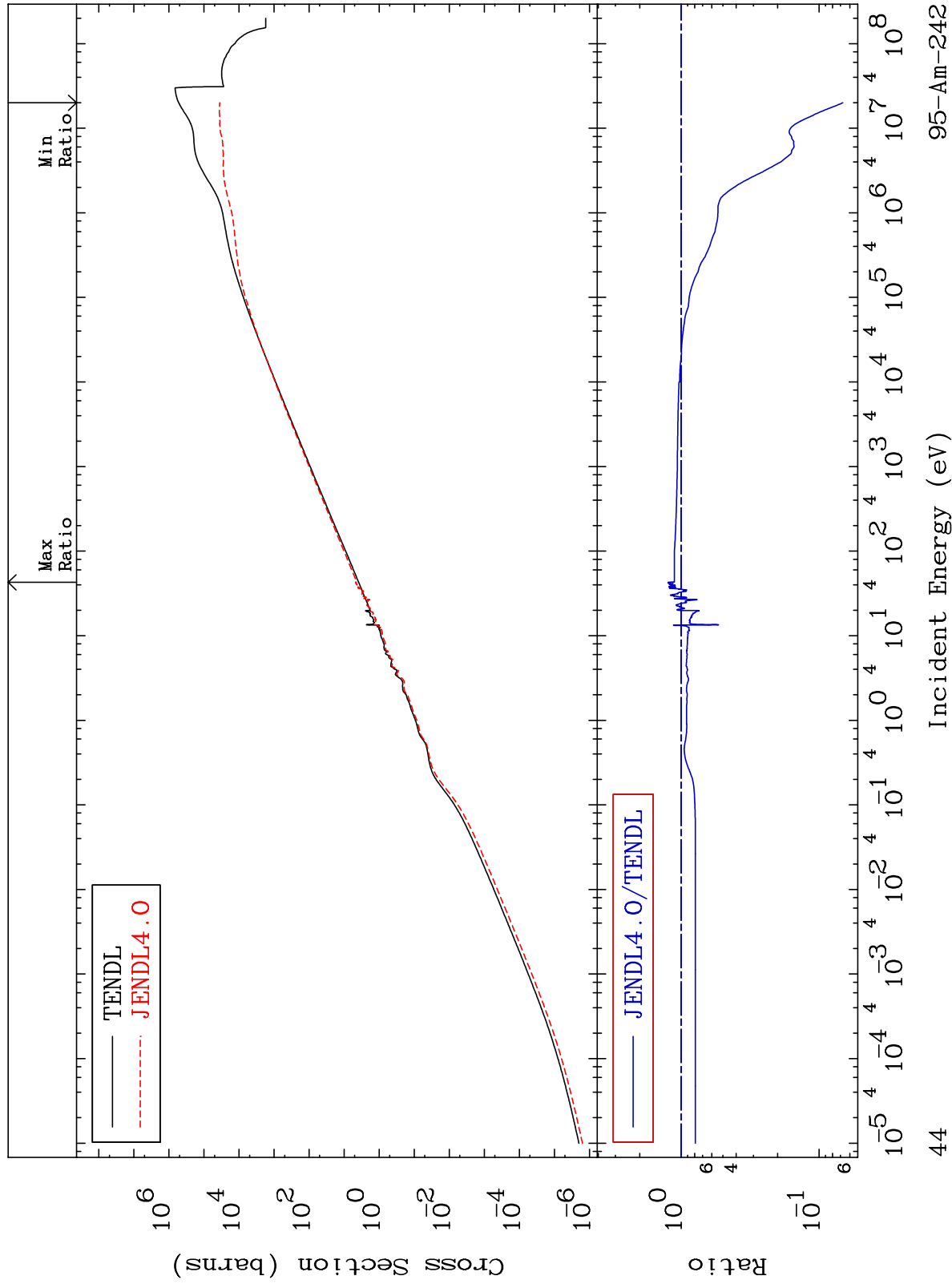
95-Am-242  
-57.46 To 300.3 %



MAT 9547

Kerma elastic  
Cross Section

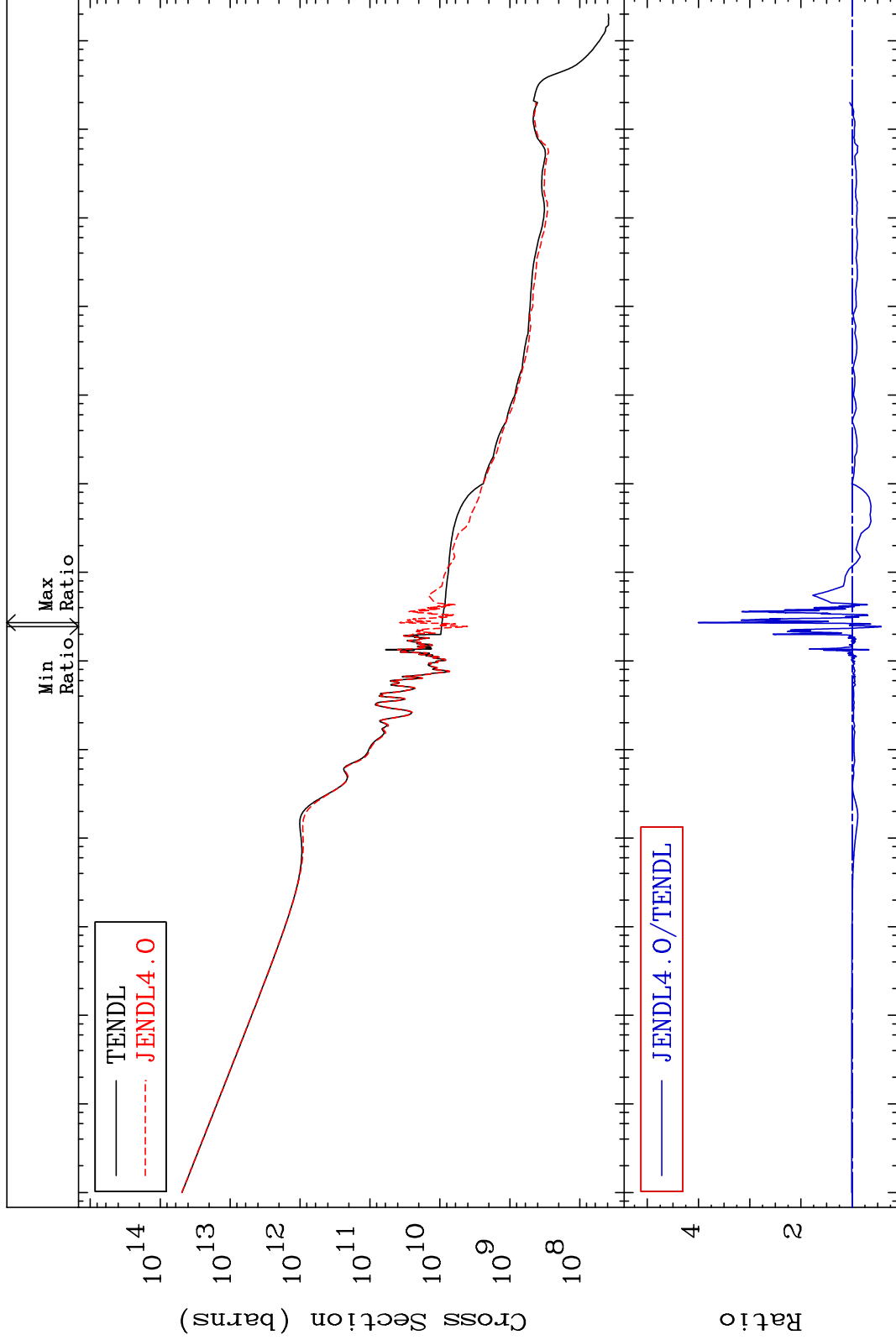
95-Am-242  
-93.27 To 24.76 %



MAT 9547

Kerma non-elastic (all but mt2)  
Cross Section

95-Am-242  
-57.46 To 300.3 %



45

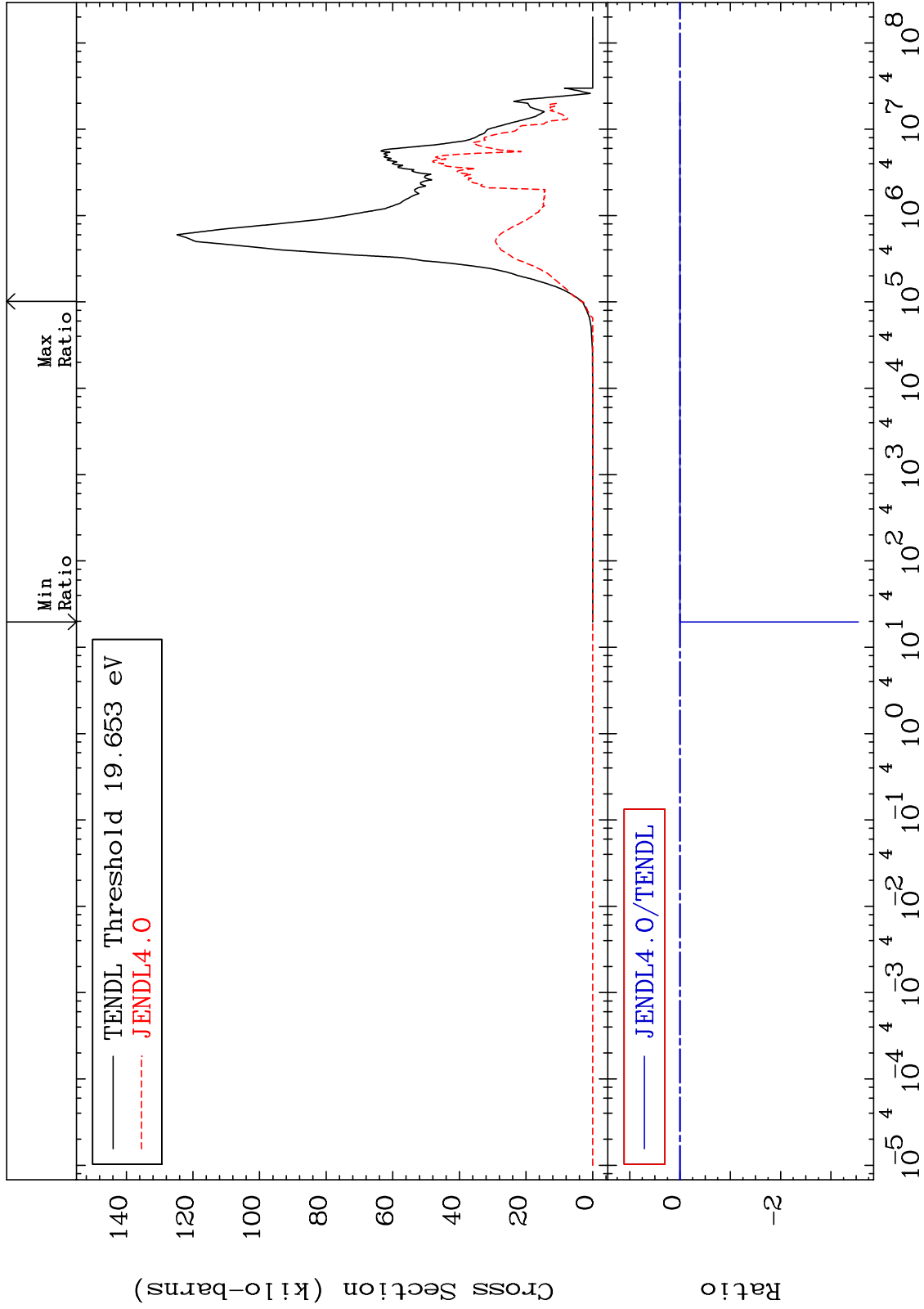
Incident Energy (eV)

95-Am-242

MAT 9547

Kerma inelastic (mt51-91)  
Cross Section

95-Am-242  
-9999. To 10.36 %



46

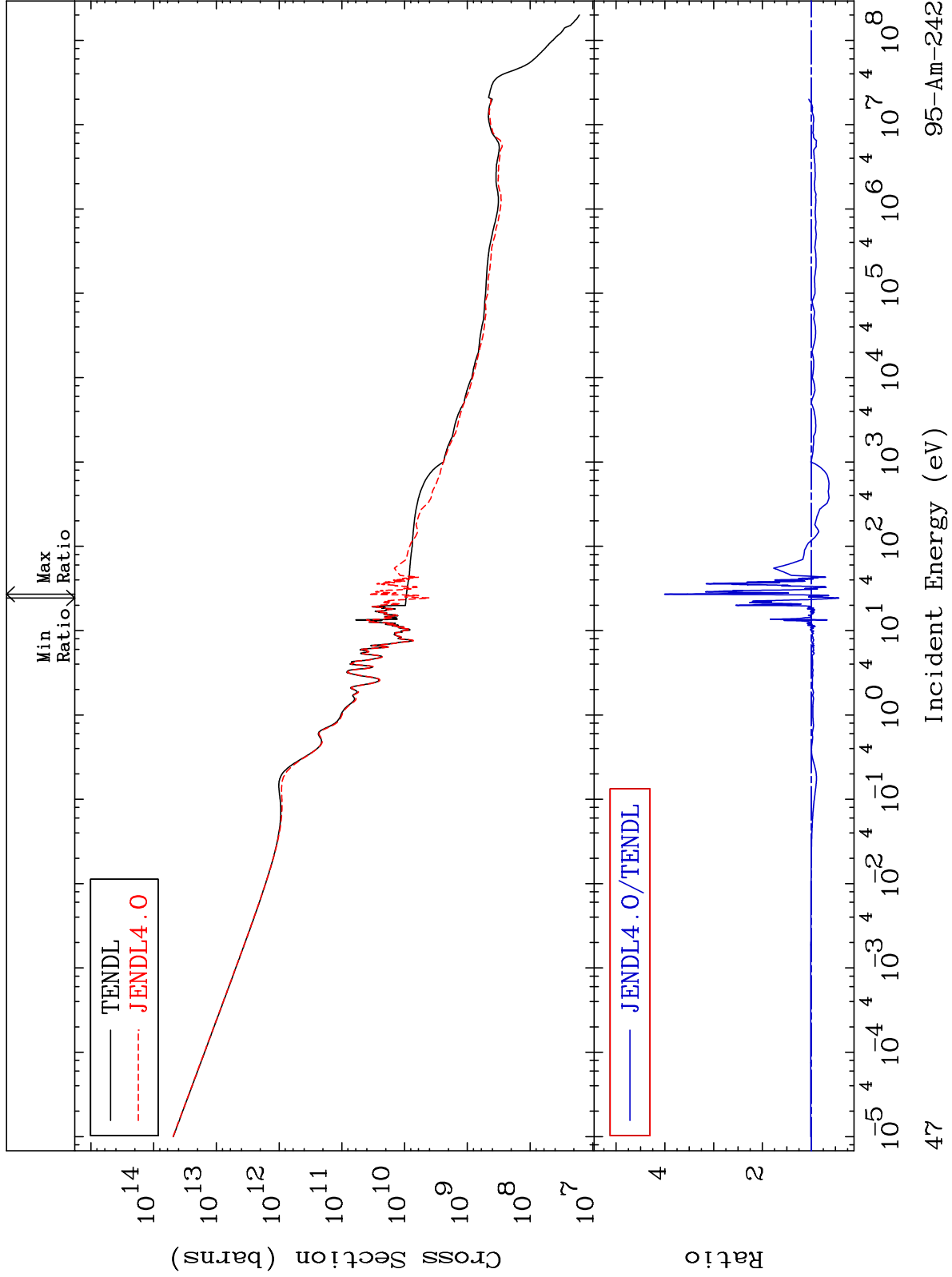
Incident Energy (eV)

95-Am-242

MAT 9547

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

95-Am-242  
-57.46 To 300.3 %

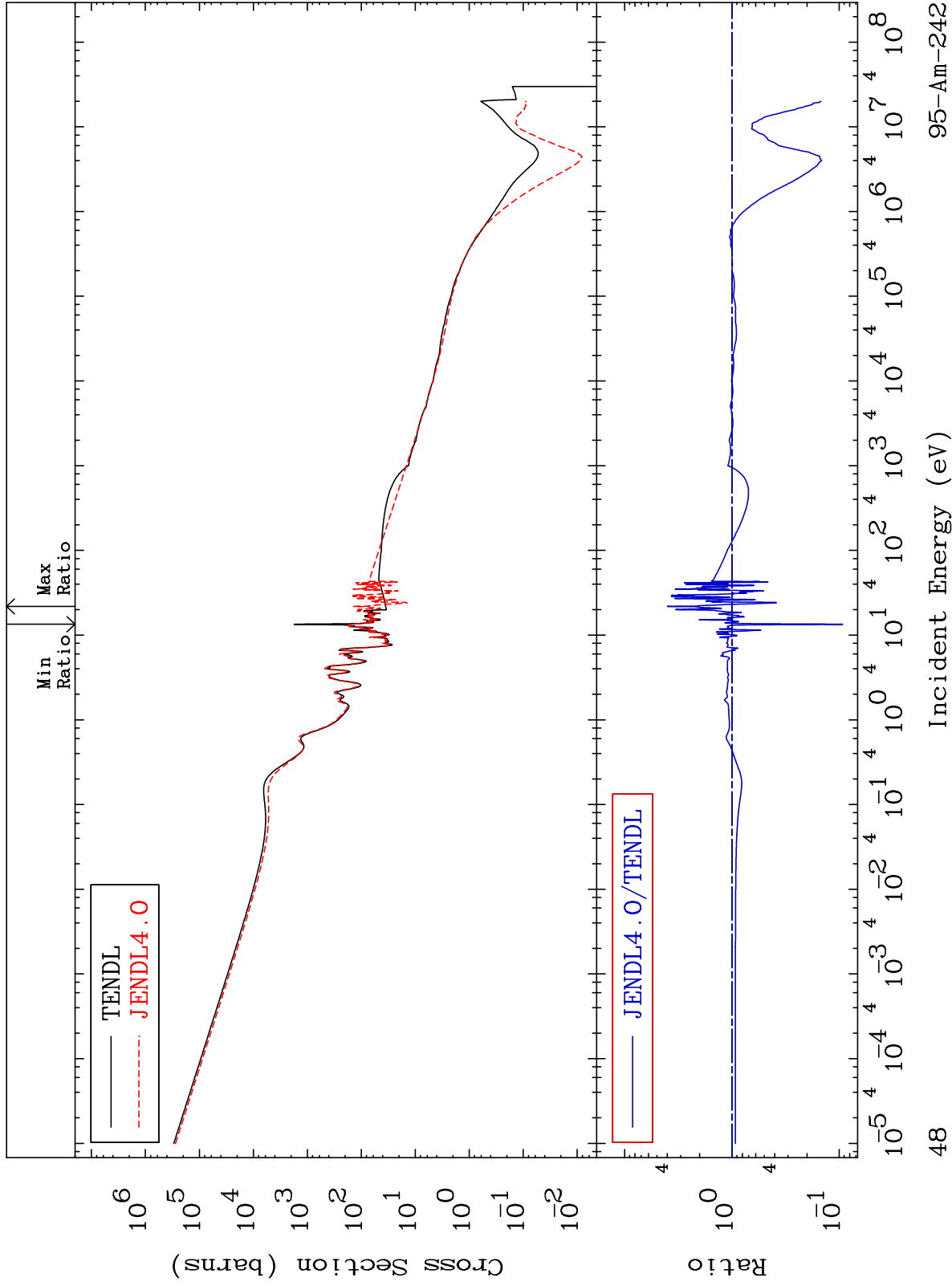




MAT 9547

Kerma capture (mt102)  
Cross Section

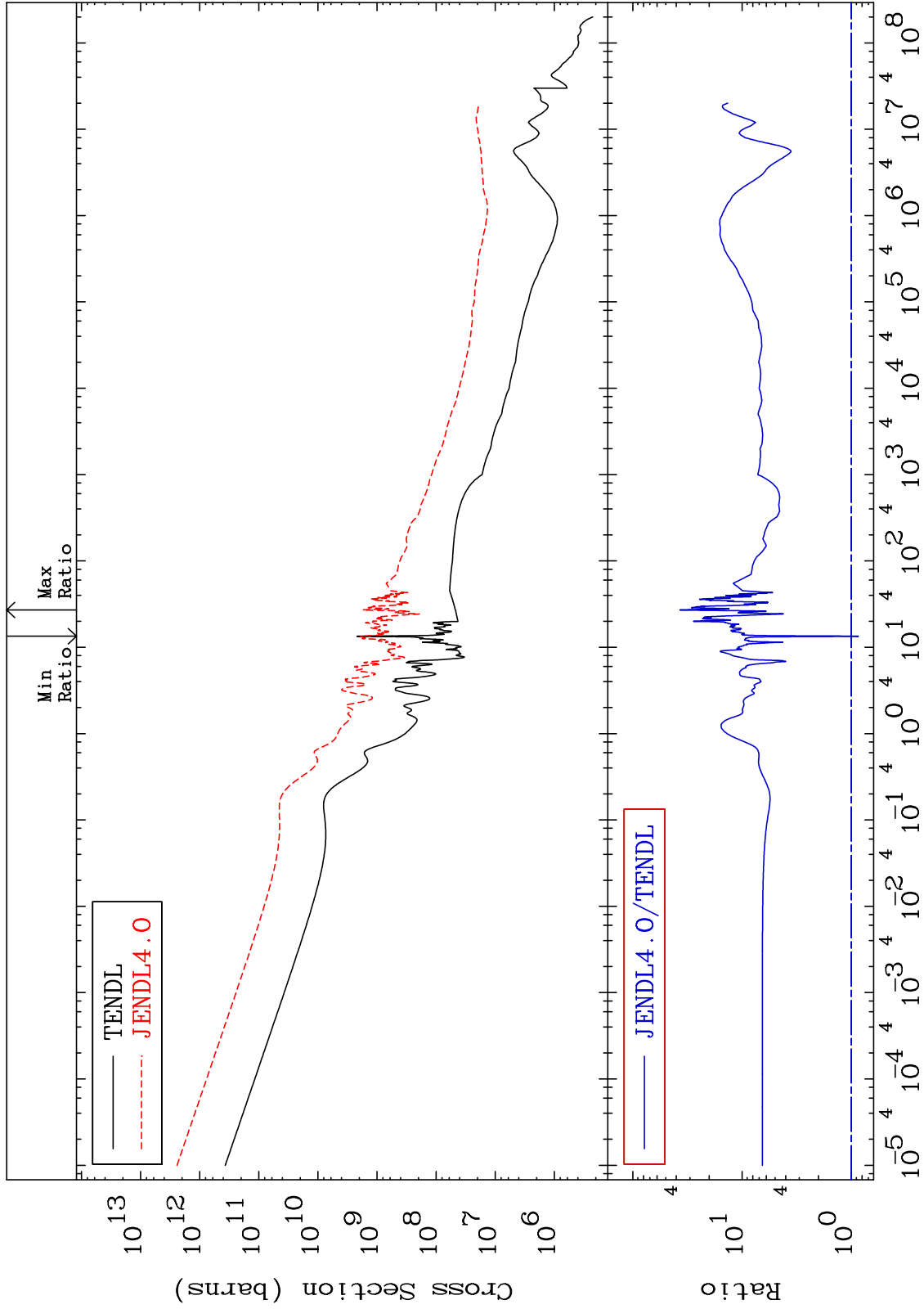
95-Am-242  
-90.70 To 298.0 %



MAT 9547

Total photon (eV-barns)  
Cross Section

95-Am-242  
-13.64 To 3602. %



49

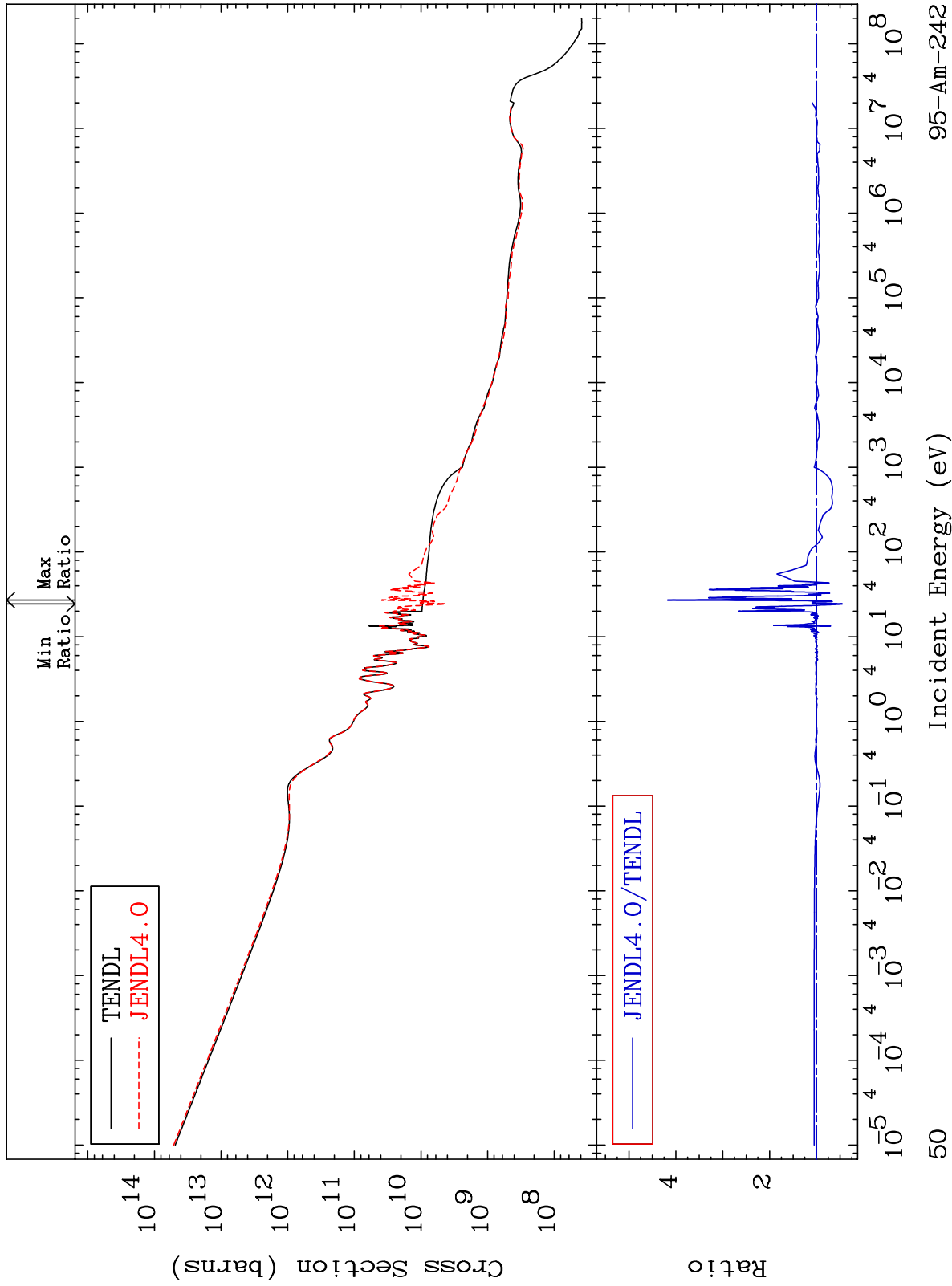
Incident Energy (eV)

95-Am-242

MAT 9547

Total kinematic kerma (high limit)  
Cross Section

95-Am-242  
-55.63 To 317.5 %



50

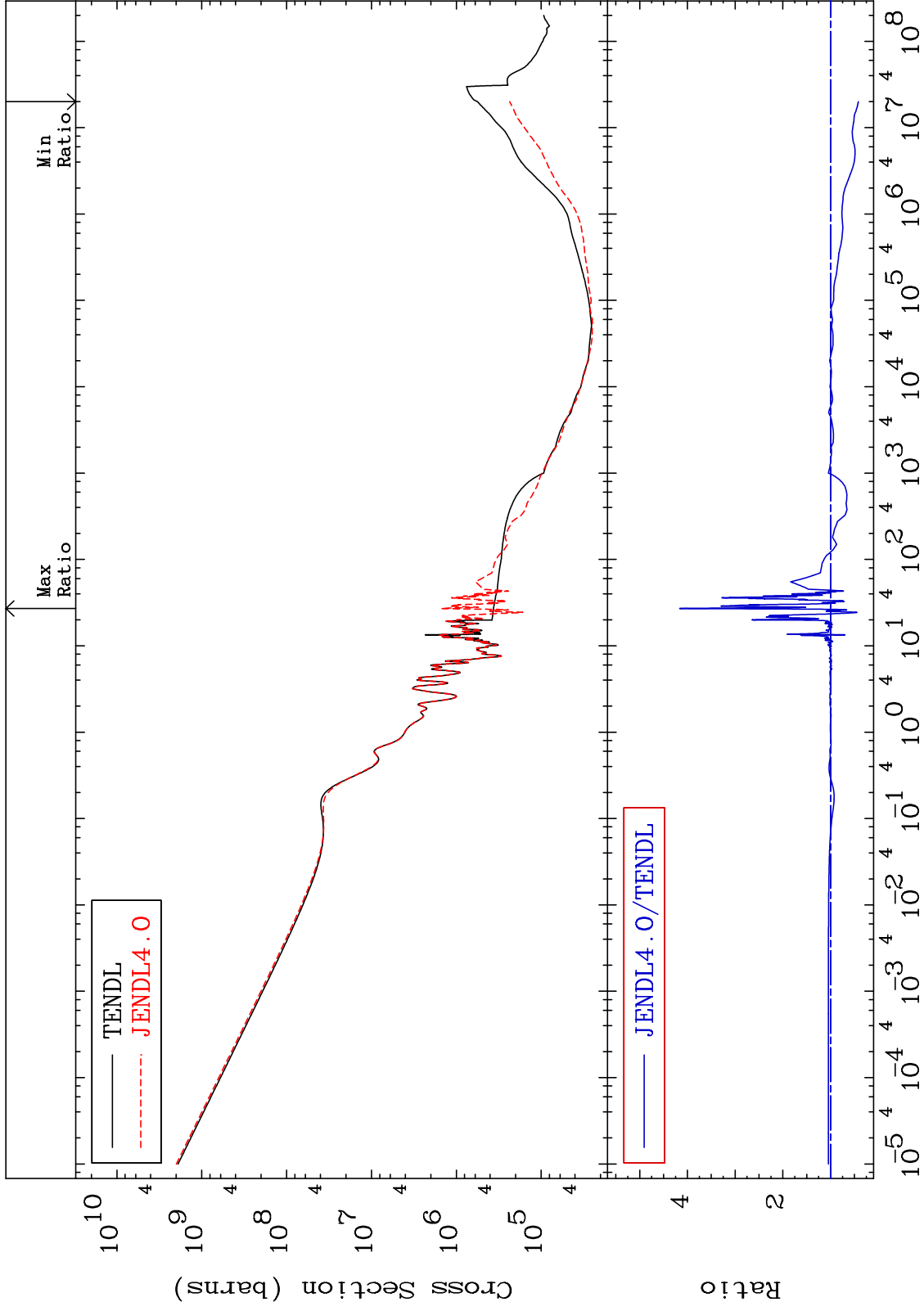
Incident Energy (eV)

95-Am-242

MAT 9547

Dpa total (eV-barns)  
Cross Section

95-Am-242  
-58.19 To 316.0 %



51

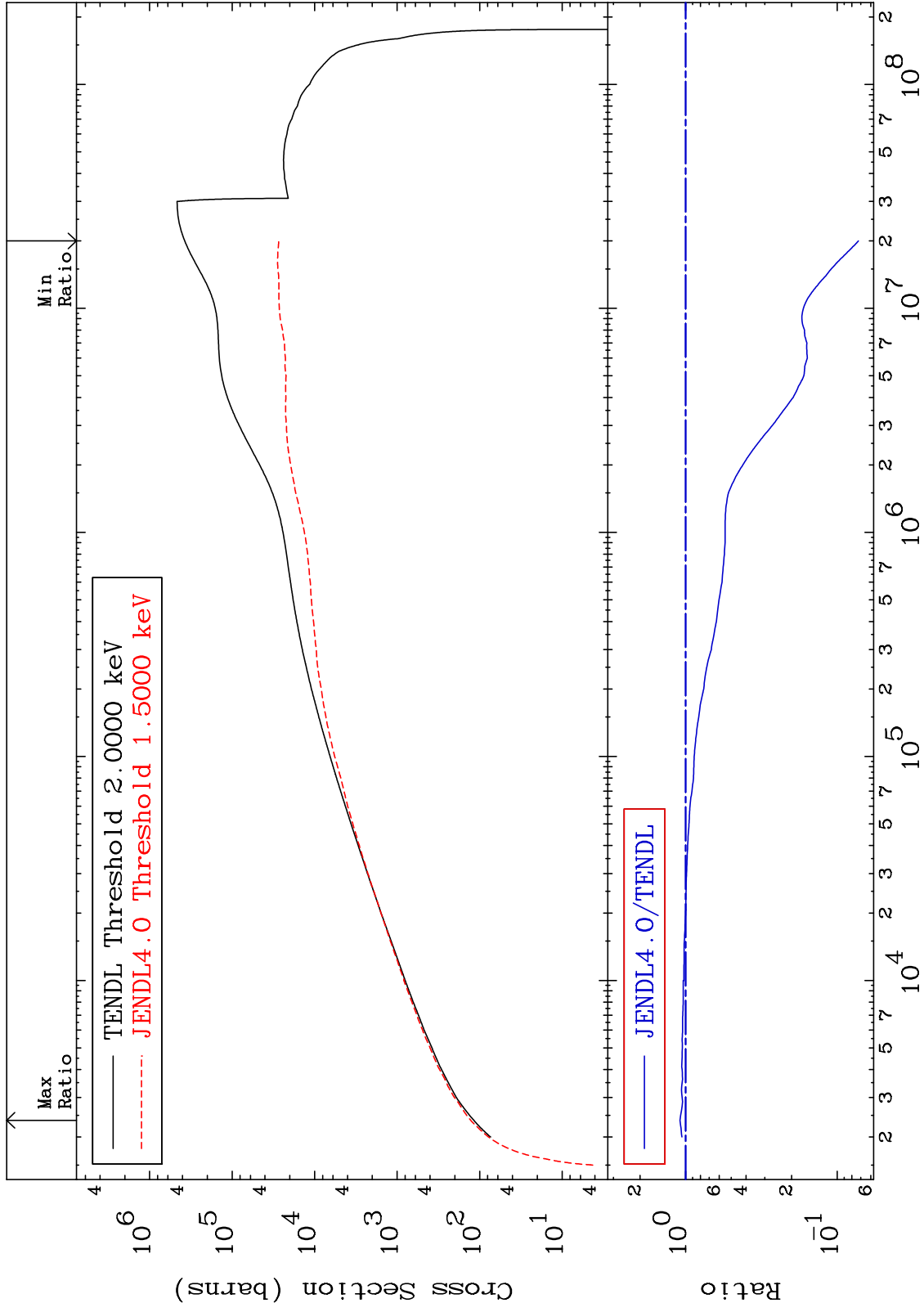
Incident Energy (eV)

95-Am-242

MAT 9547

Dpa elastic (mt2)  
Cross Section

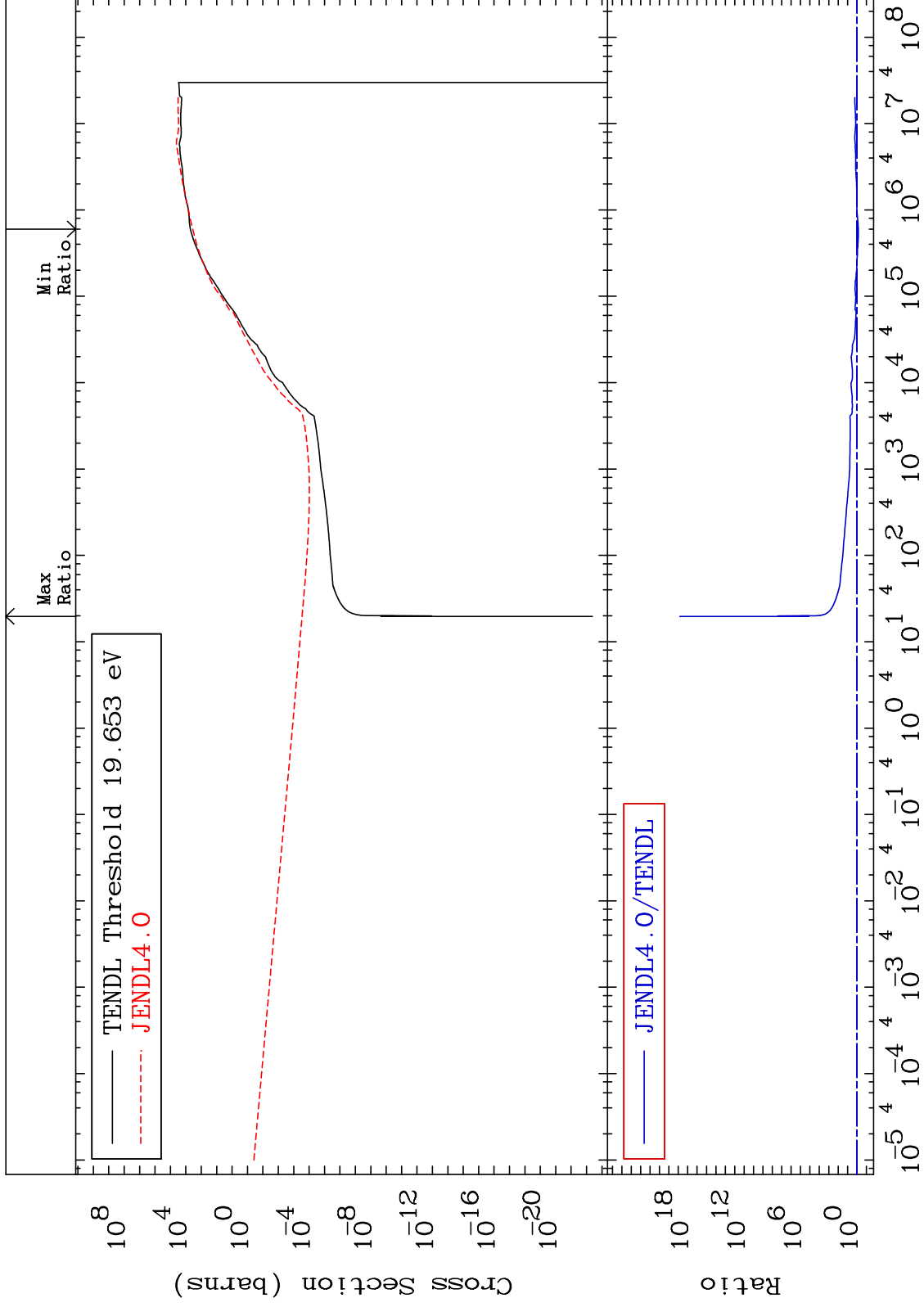
95-Am-242  
-92.76 To 8.968 %



MAT 9547

Dpa inelastic (mt51-91)  
Cross Section

95-Am-242  
-29.03 To 9999. %



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Incident Energy (eV)

95-Am-242

MAT 9547

Dpa disappearance (mt102 -120)  
Cross Section

95-Am-242  
-100.0 To 433.8 %

