

Program Complot  
(Version 2018-1)

by

Dermott E. Cullen  
(Present Contact Information)

Dermott E. Cullen  
1466 Hudson Way  
Livermore, CA 94550

U.S.A.

Tele: 925-443-1911

E.Mail: [redcullen1@comcast.net](mailto:redcullen1@comcast.net)  
Web: [redcullen1.net/HOMEPAGE.NEW](http://redcullen1.net/HOMEPAGE.NEW)

Press Mouse Button to Start

MAT 9547

95-Am-242

-61.49 To 252.8 %

Total  
Cross Section

Min  
Ratio

Max  
Ratio

TENDL  
JEFF3.3

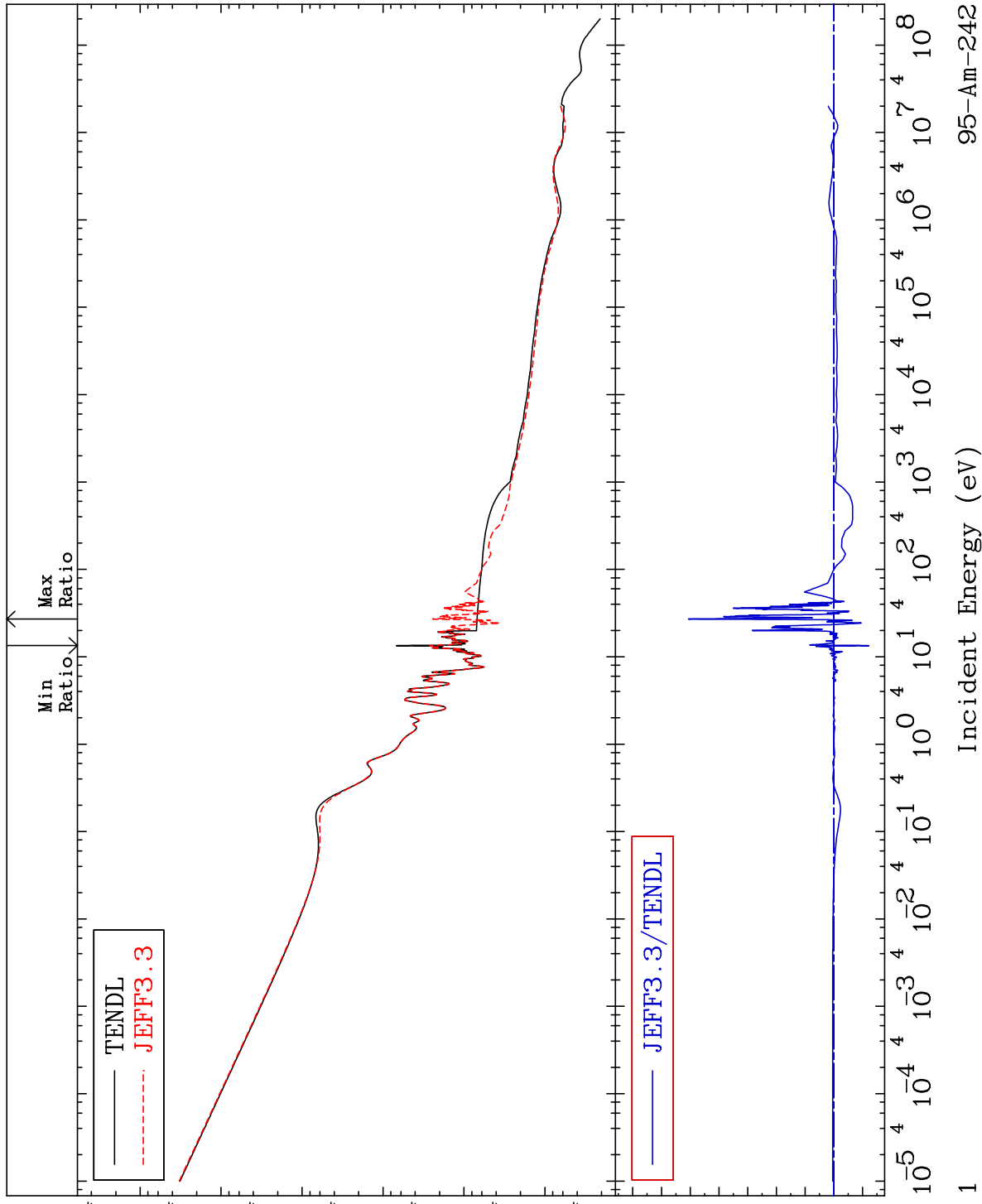
Cross Section (barns)

JEFF3.3/TENDL

Ratio

Incident Energy (eV)

95-Am-242



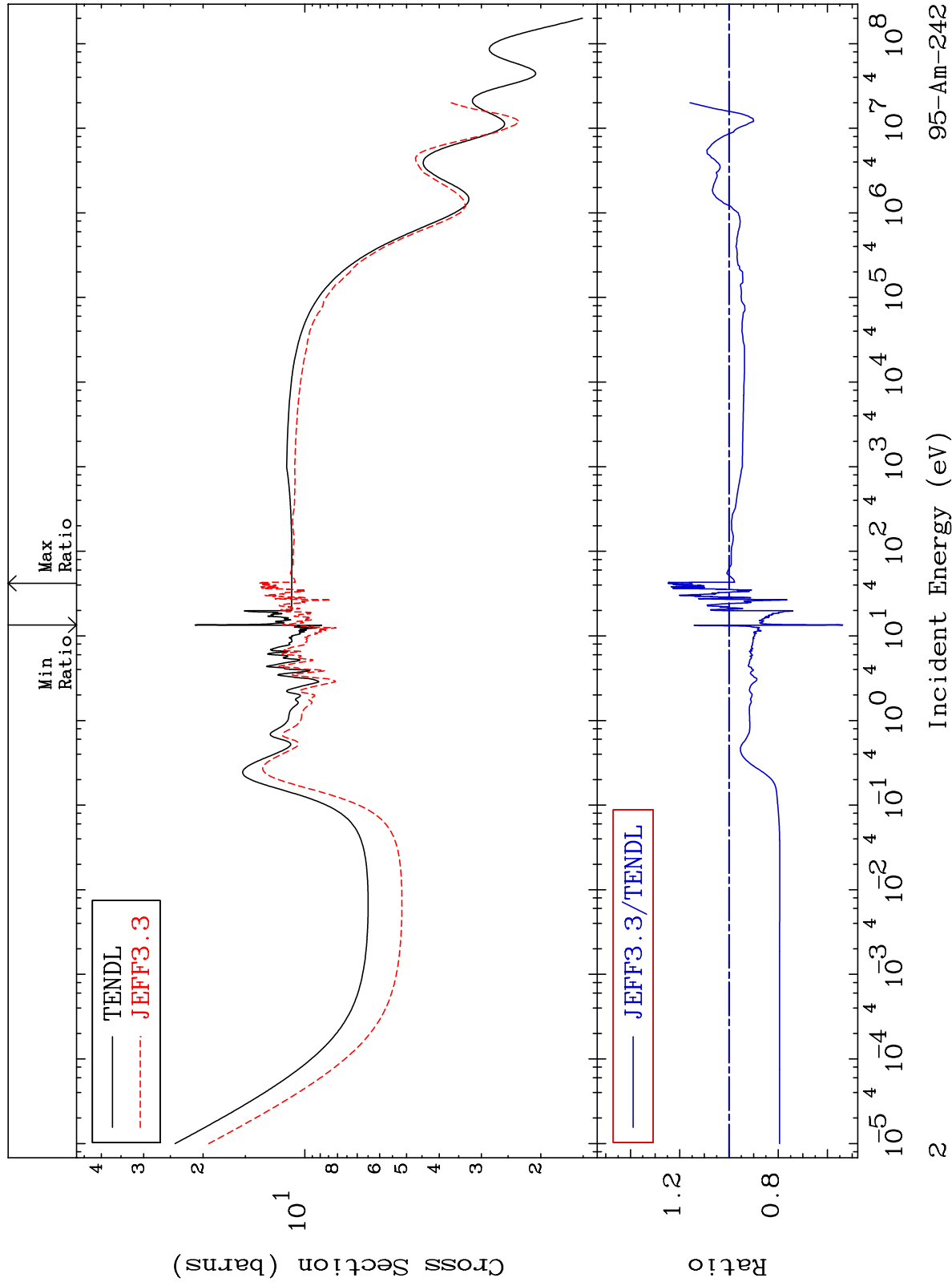
MAT 9547

Elastic

95-Am-242

Cross Section

-46.23 To 24.75 %



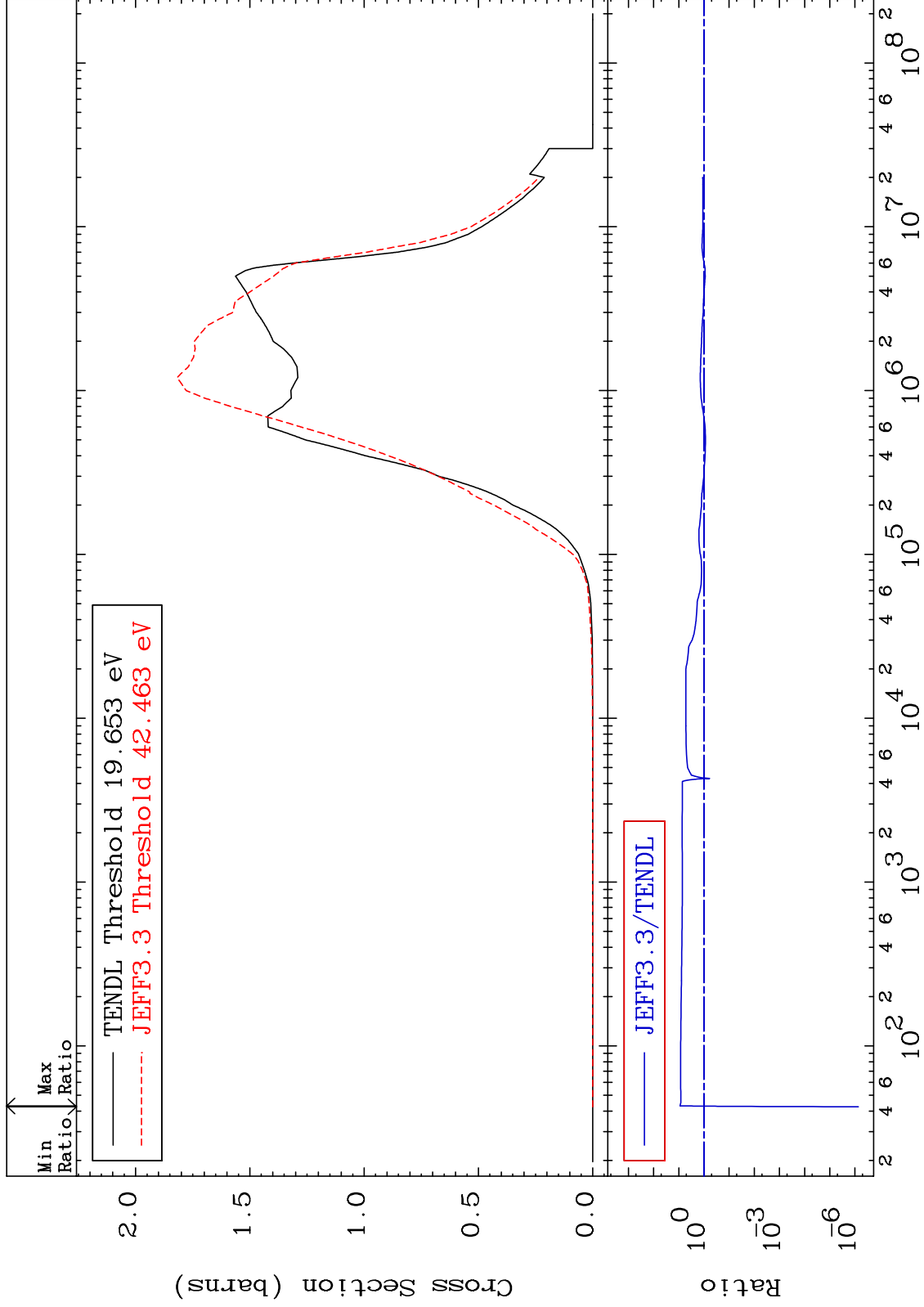
MAT 9547

Inelastic

95-Am-242

Cross Section

-100.0 To 791.2 %



95-Am-242

Incident Energy (eV)

3

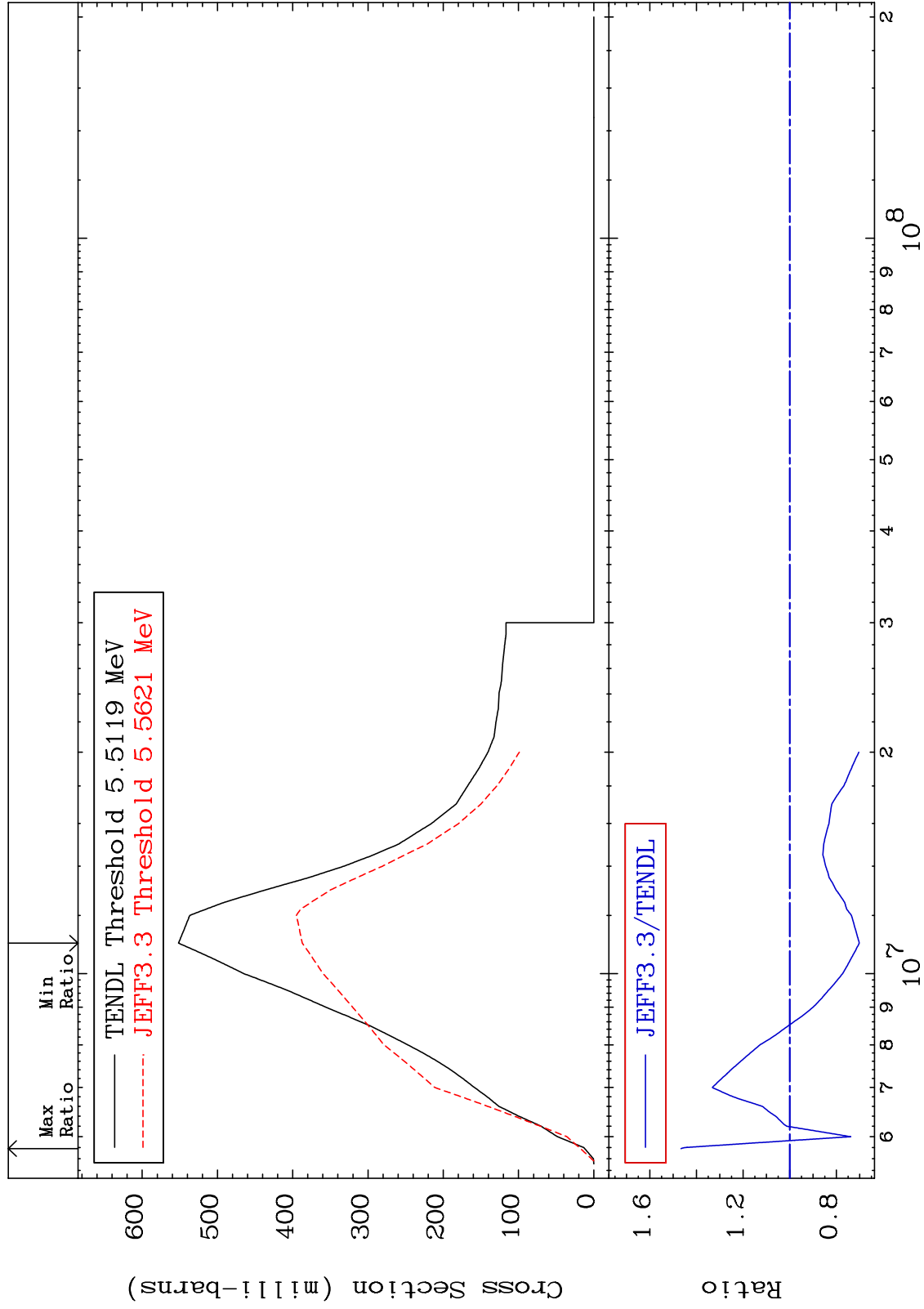
MAT 9547

(n, 2n)

95-Am-242

Cross Section

-29.79 To 46.62 %



4

Incident Energy (eV)

95-Am-242

MAT 9547

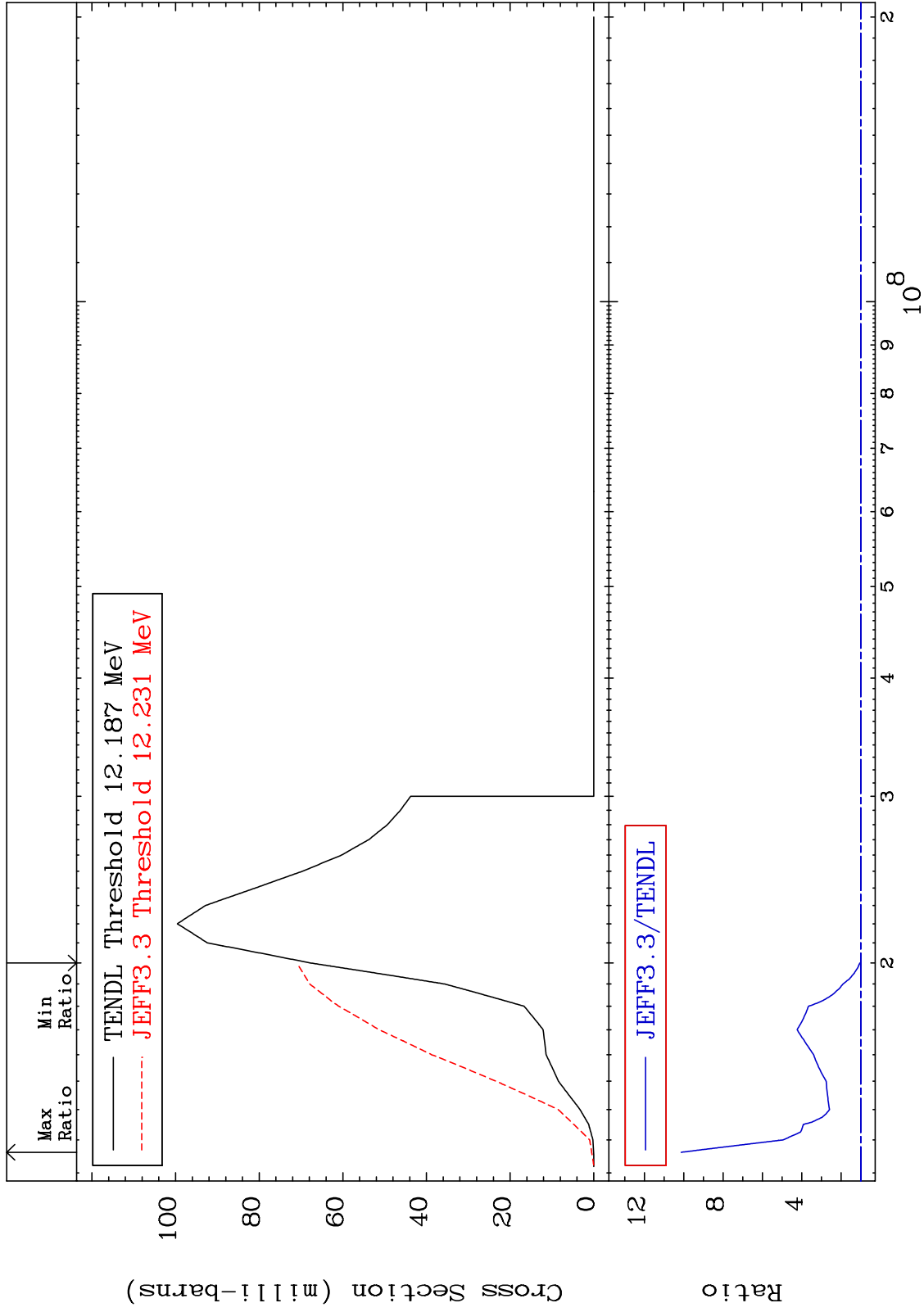
(n, 3n)

95-Am-242

Cross Section

4.707

To 913.0 %



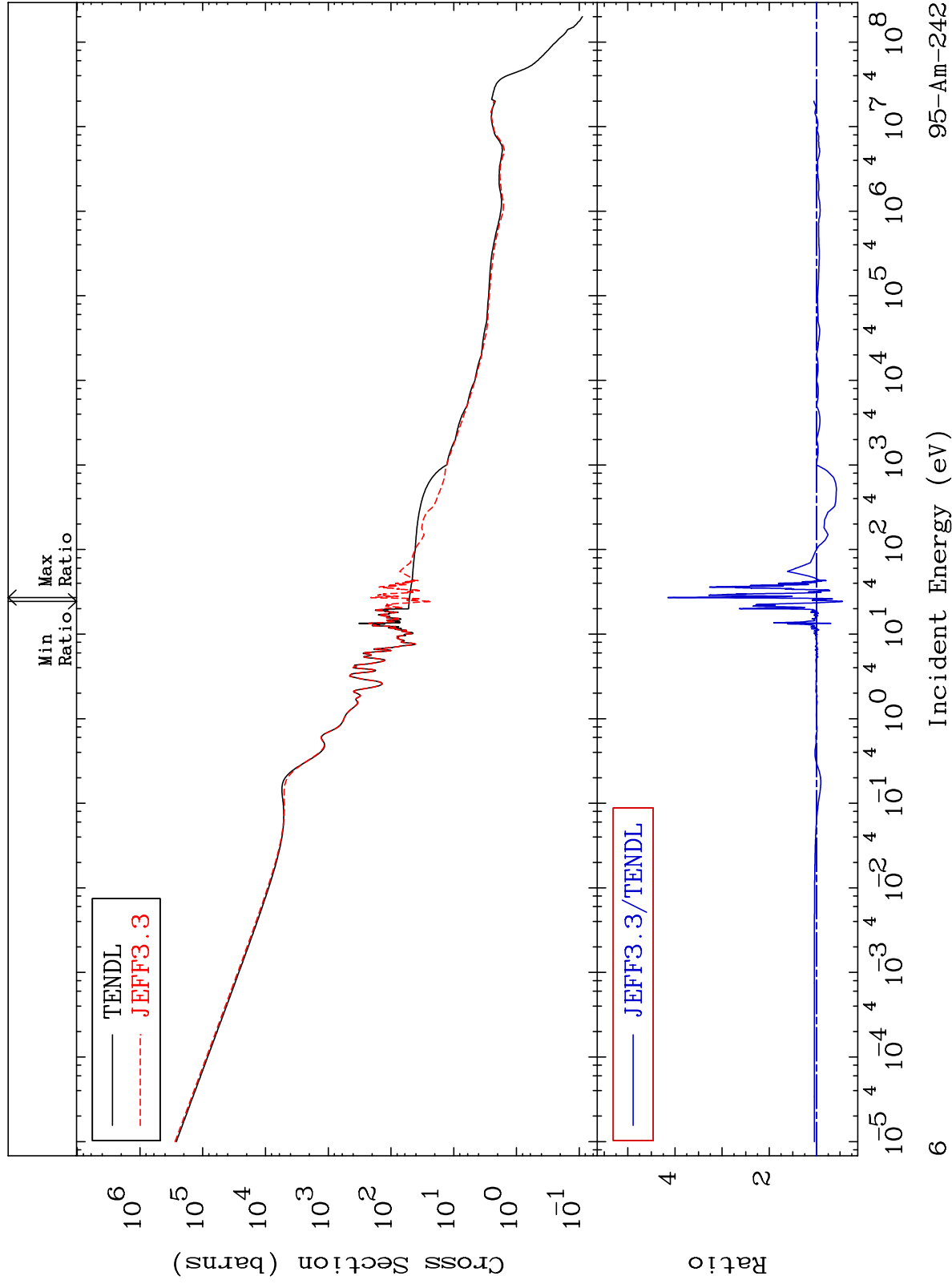
MAT 9547

Fission

95-Am-242

Cross Section

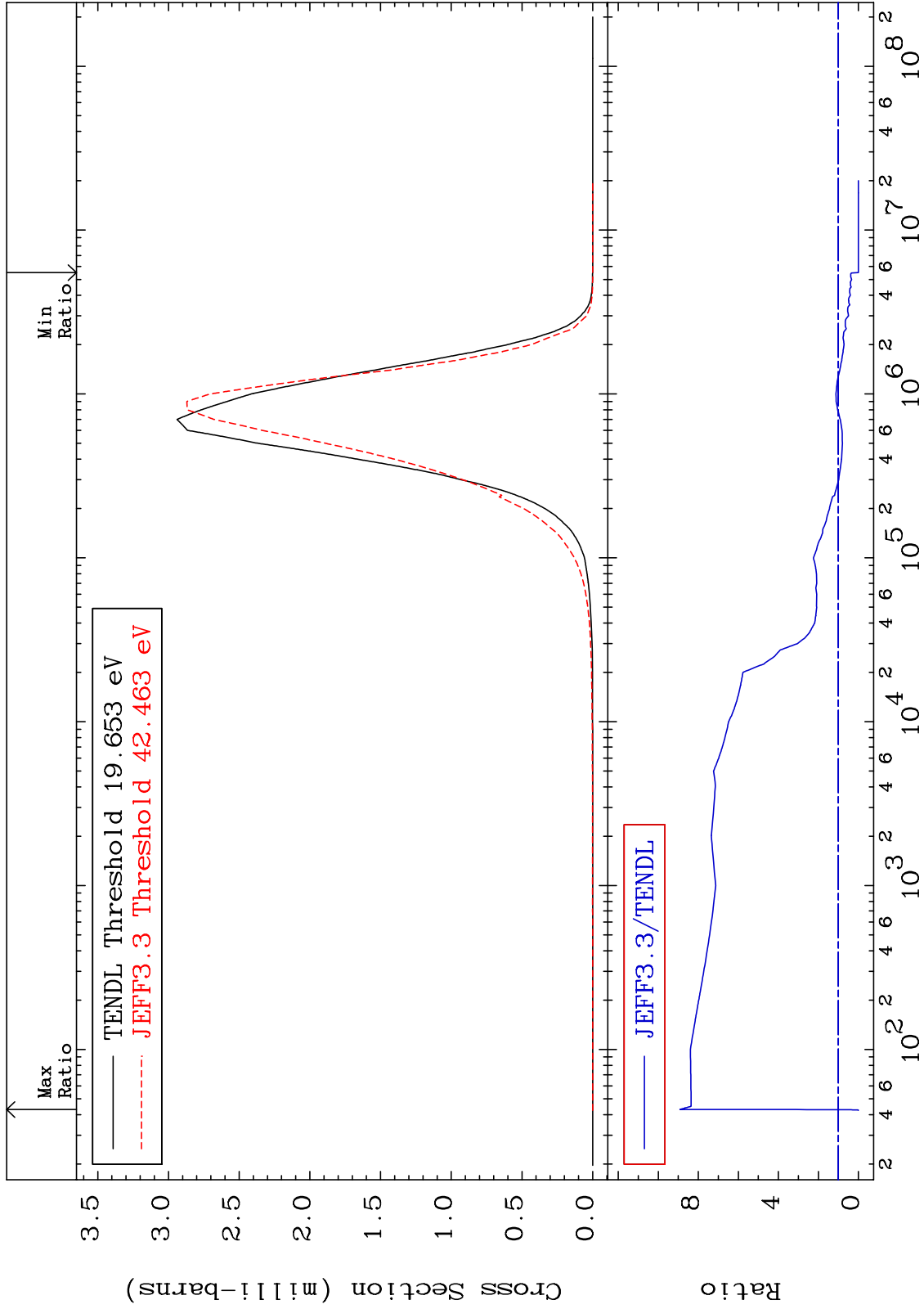
-55.93 To 314.7 %



MAT 9547

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

95-Am-242  
-100.0 To 791.2 %

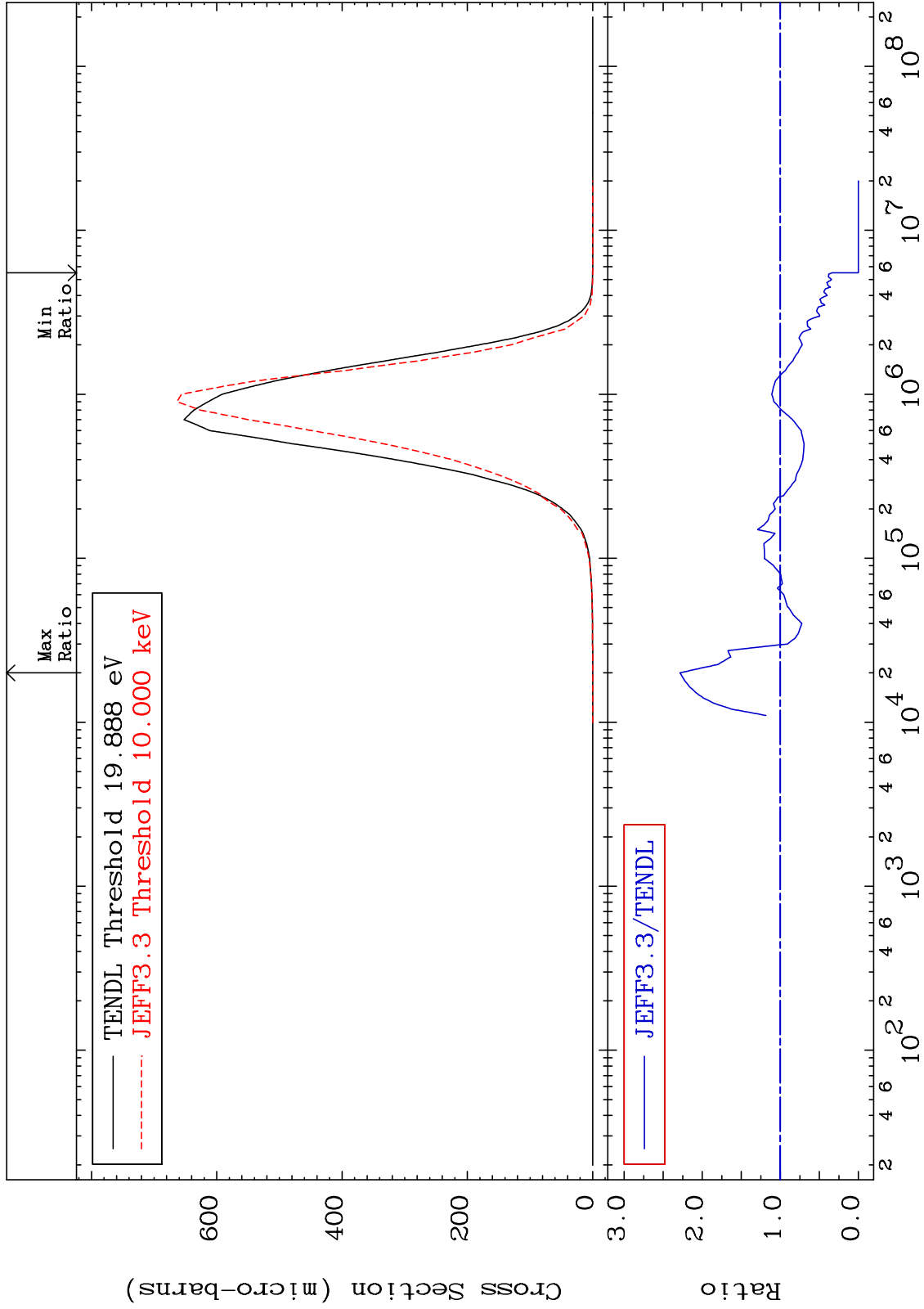




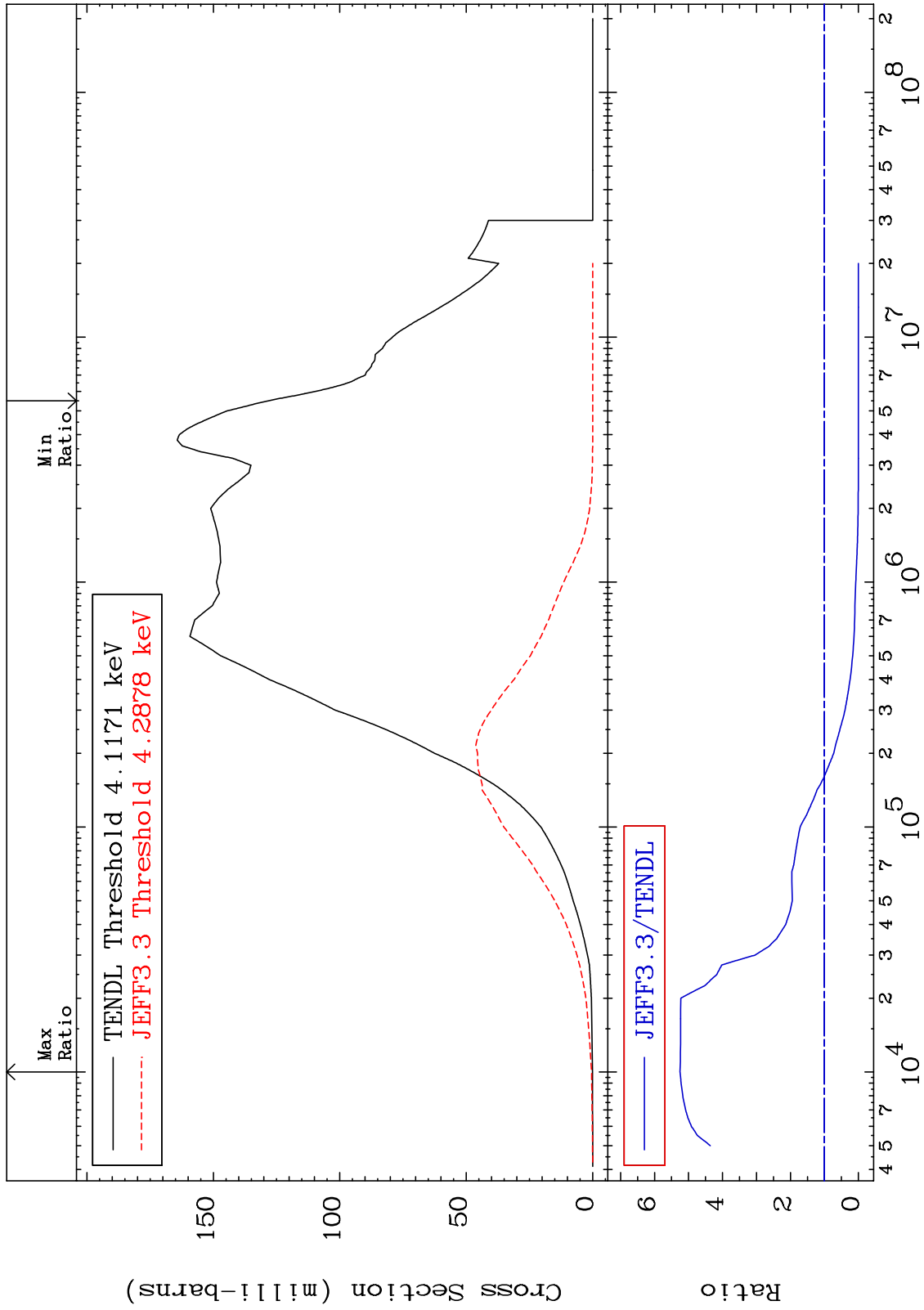
MAT 9547

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

95-Am-242  
-100.0 To 128.5 %



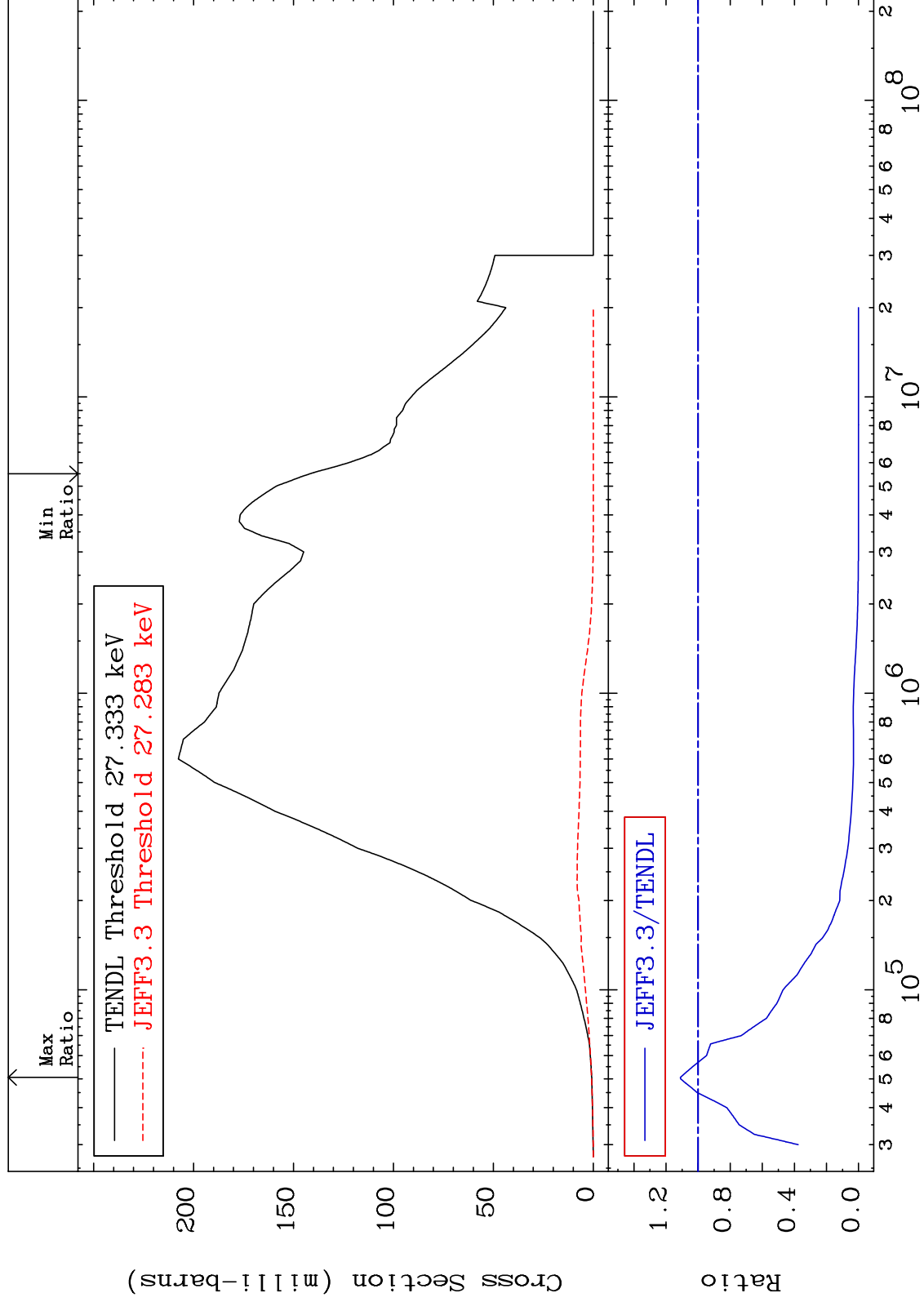
MAT 9547      MT= 53 (n,n') Level Cross Section      95-Am-242  
 -100.0 To 425.0 %



MAT 9547

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

95-Am-242  
-100.0 To 11.01 %

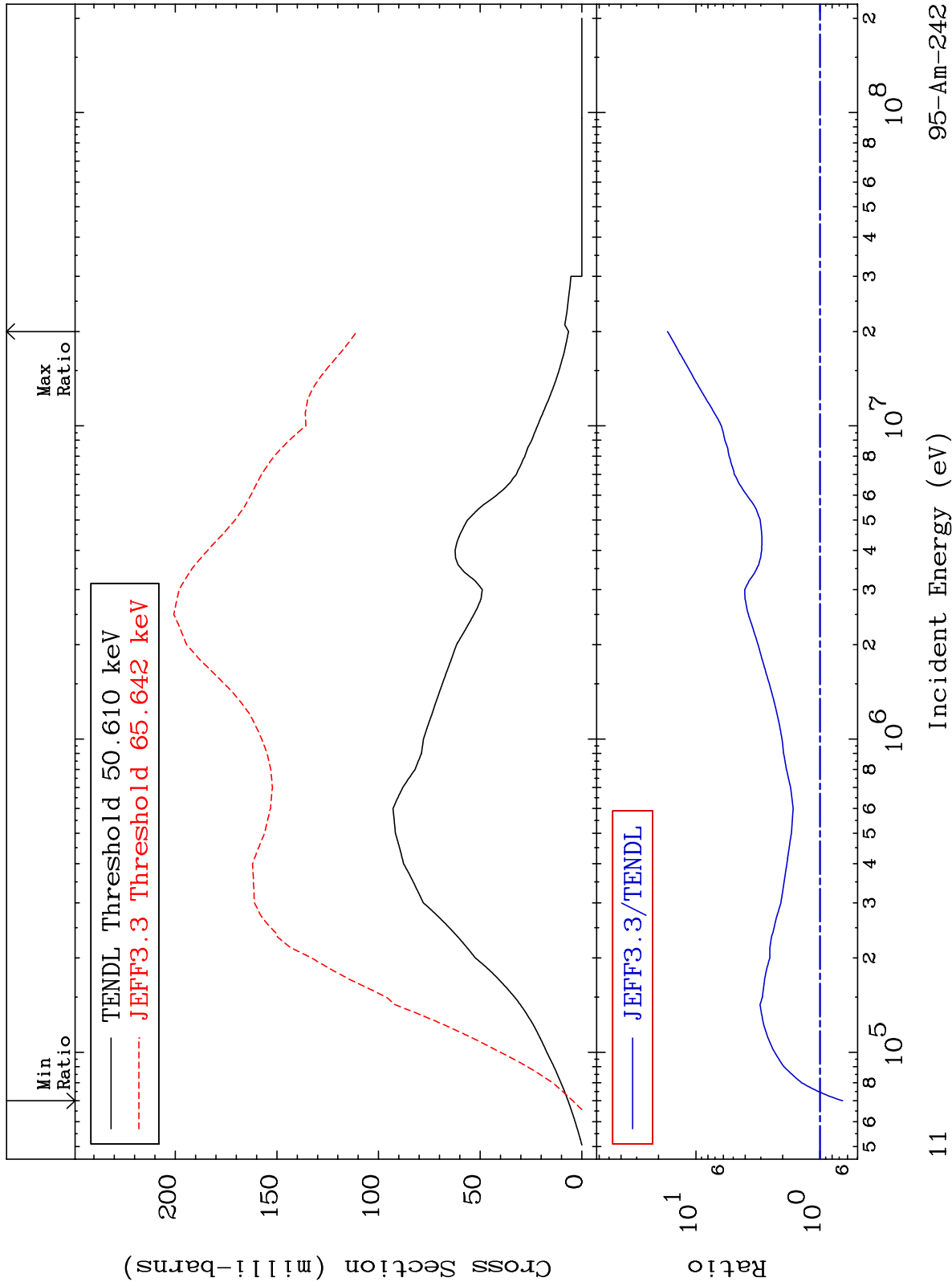


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Incident Energy (eV)

95-Am-242

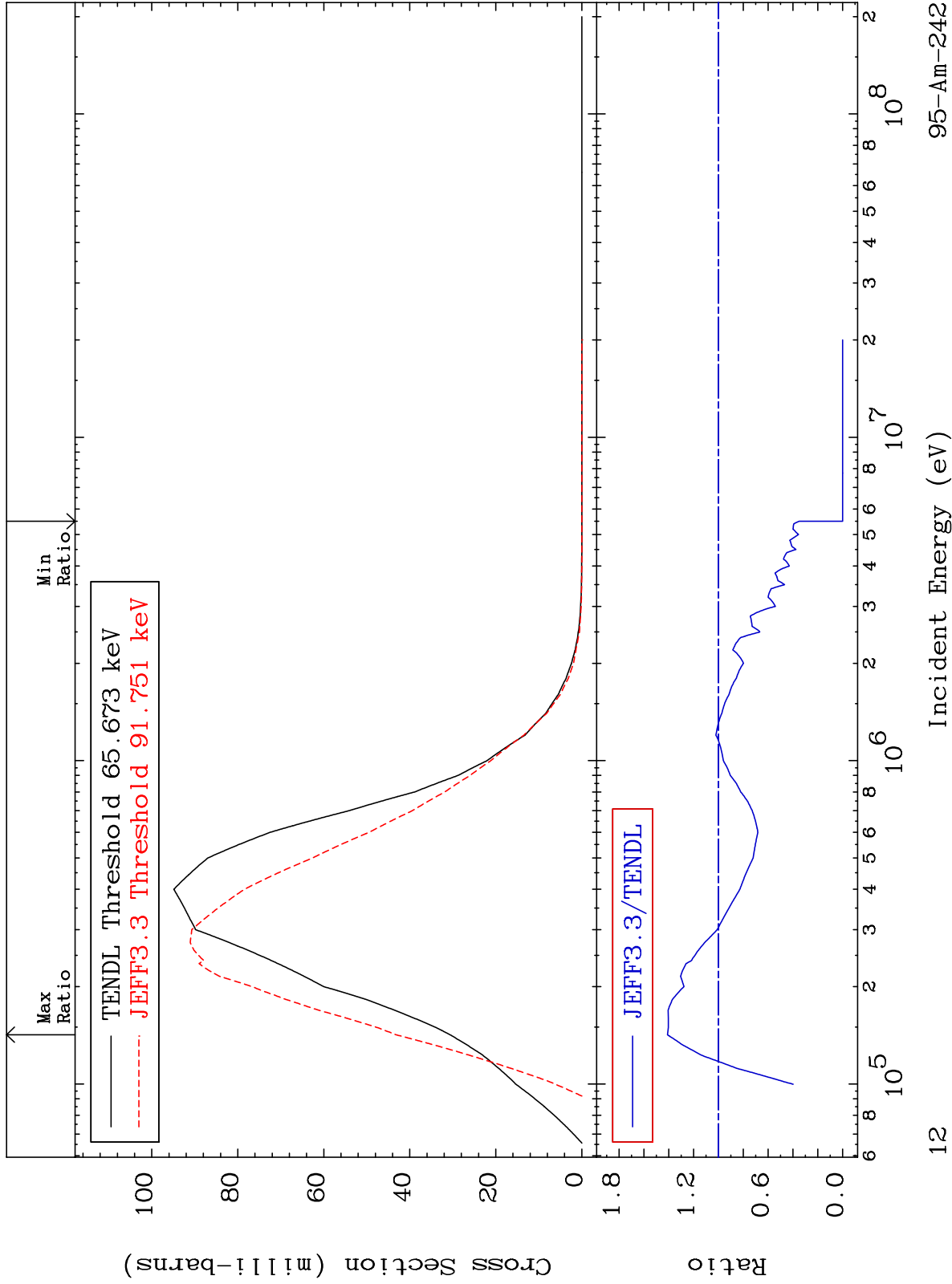
MAT 9547 MT= 55 (n,n') Level Cross Section 95-Am-242  
 -34.28 To 1590. %



MAT 9547

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

95-Am-242  
-100.0 To 40.94 %



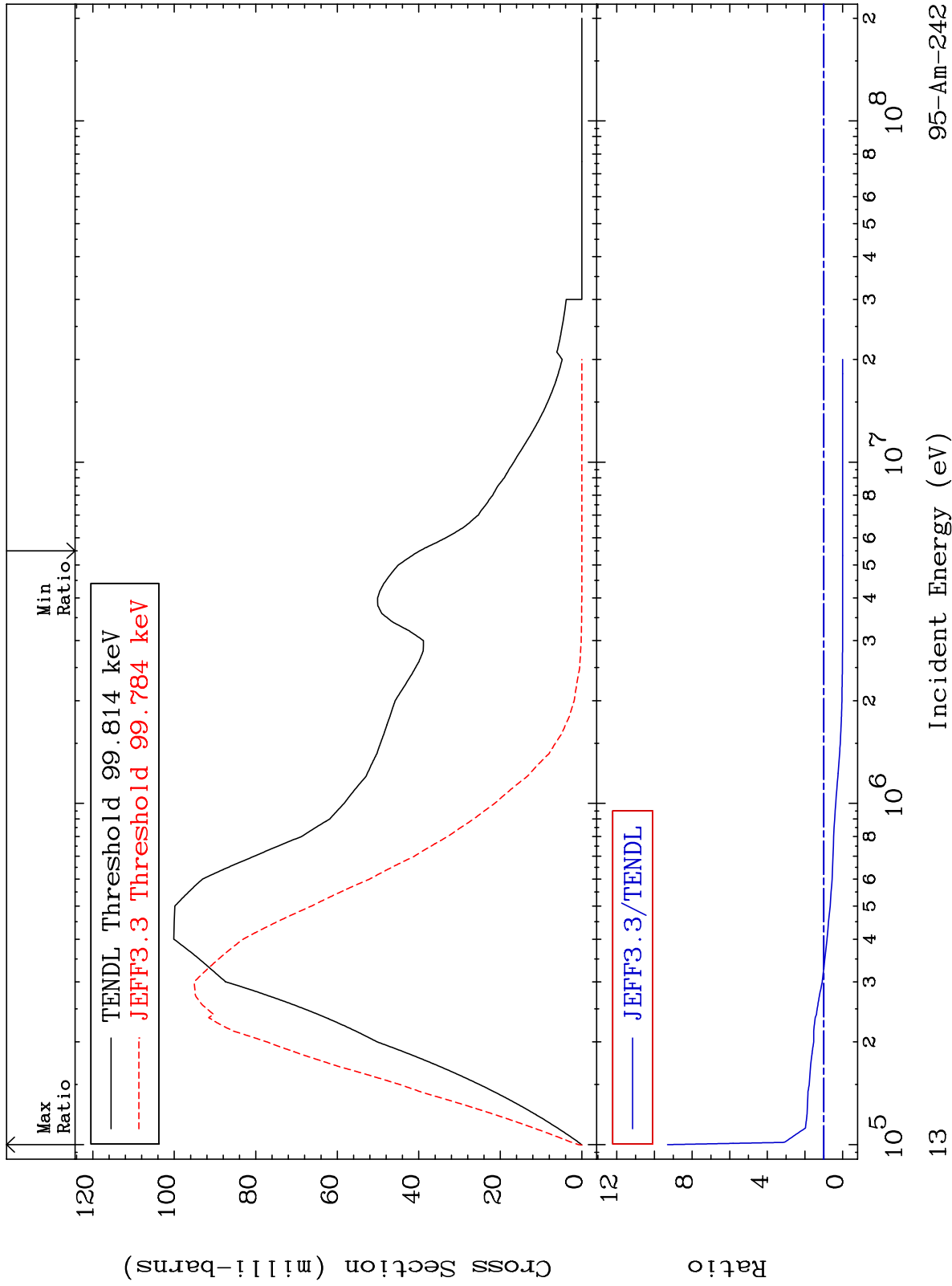
MAT 9547

MT= 57 (n,n') Level

95-Am-242

Cross Section

-100.0 To 830.0 %

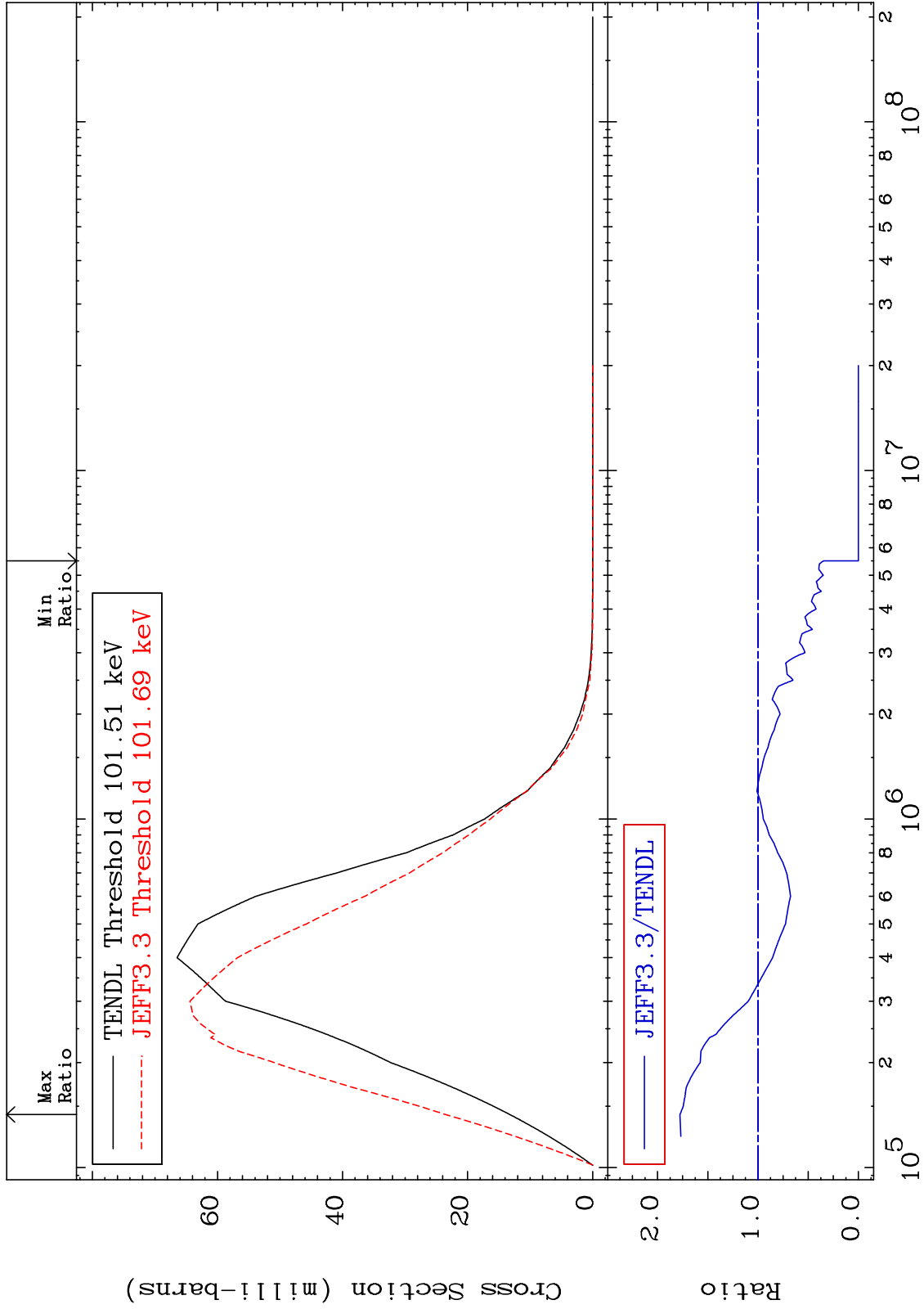


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MAT 9547

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

95-Am-242  
-100.0 To 77.63 %



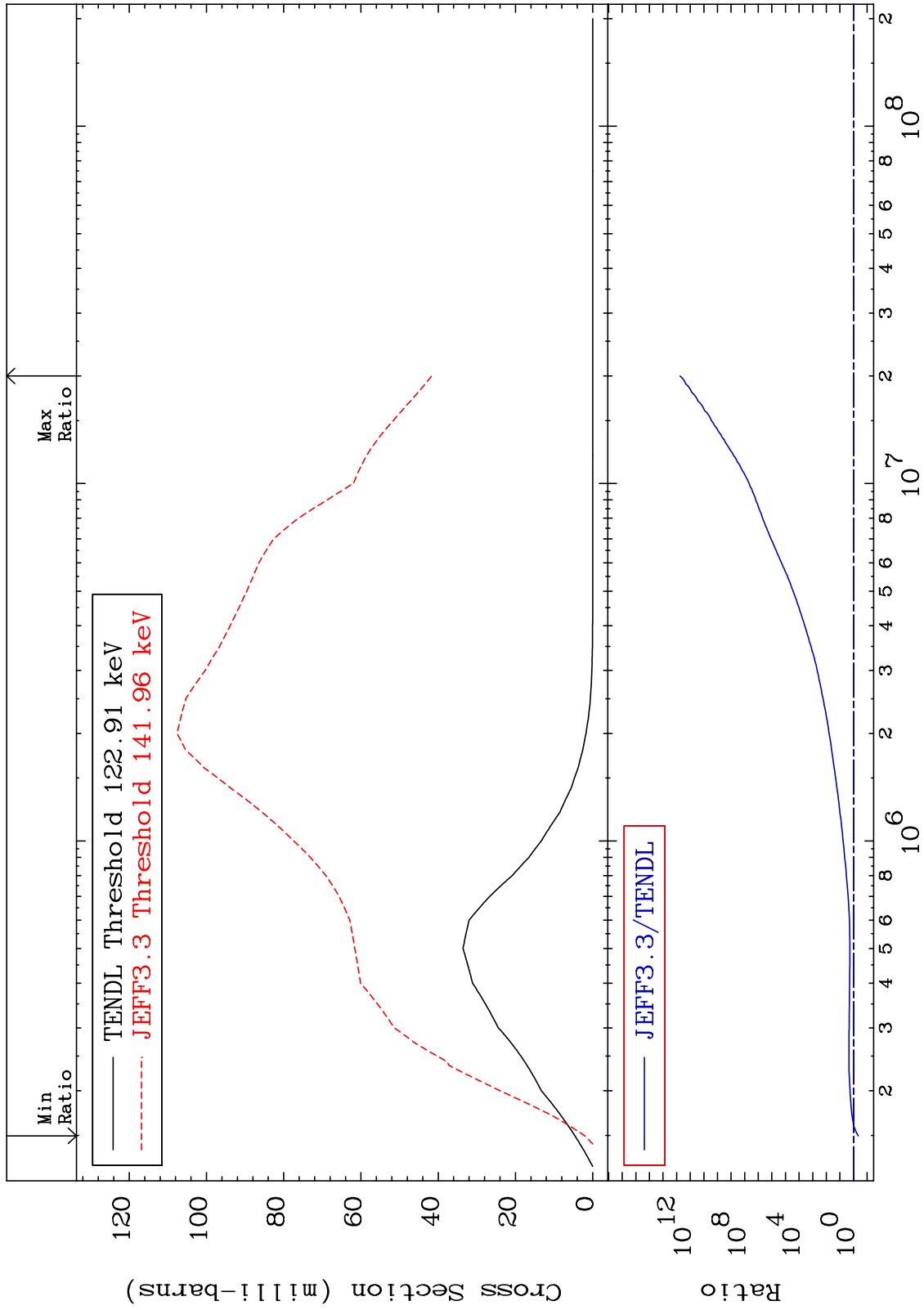
14

95-Am-242

MAT 9547

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

95-Am-242  
-56.34 To 9999. %

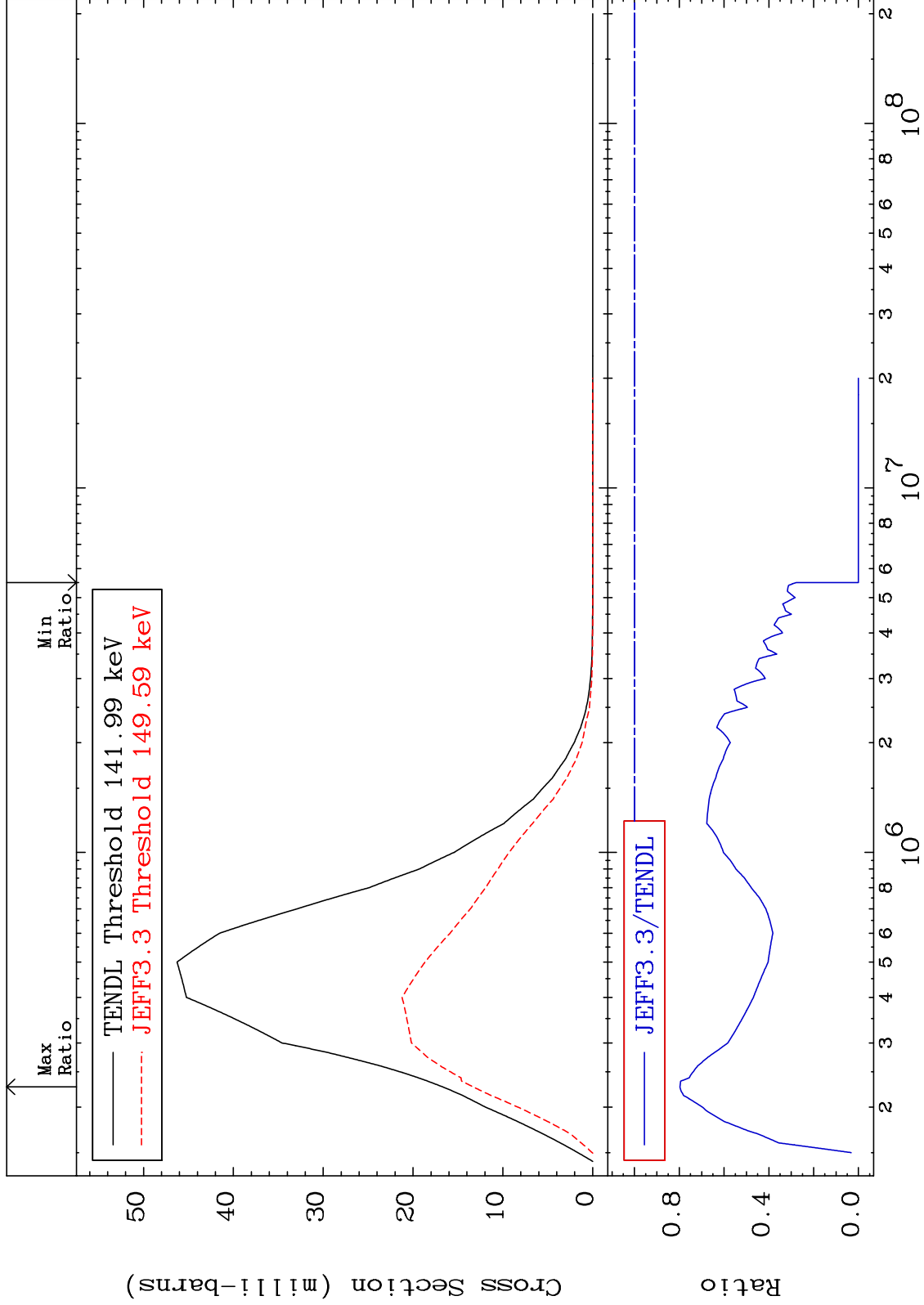




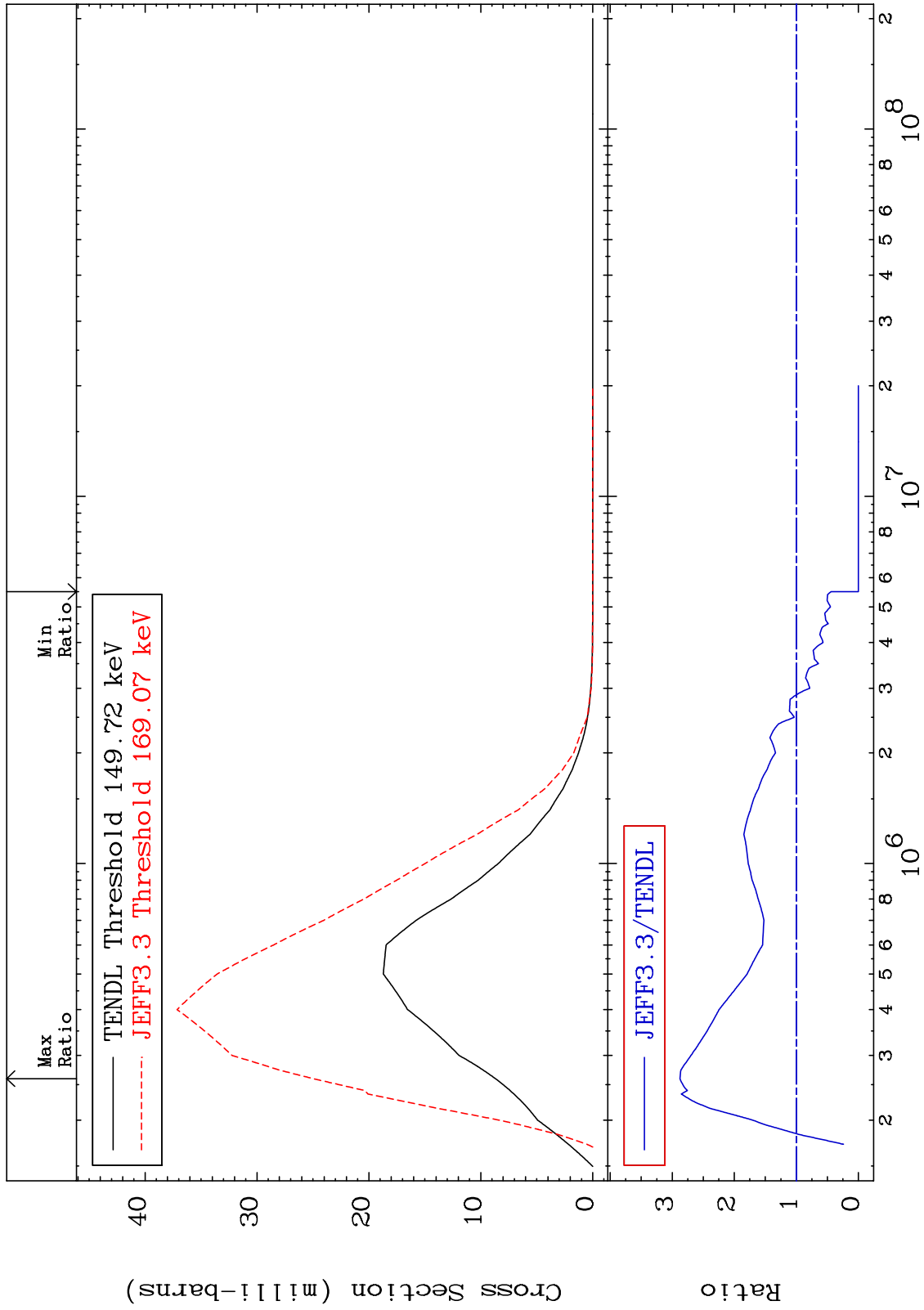
MAT 9547

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

95-Am-242  
-100.0 To -20.34%



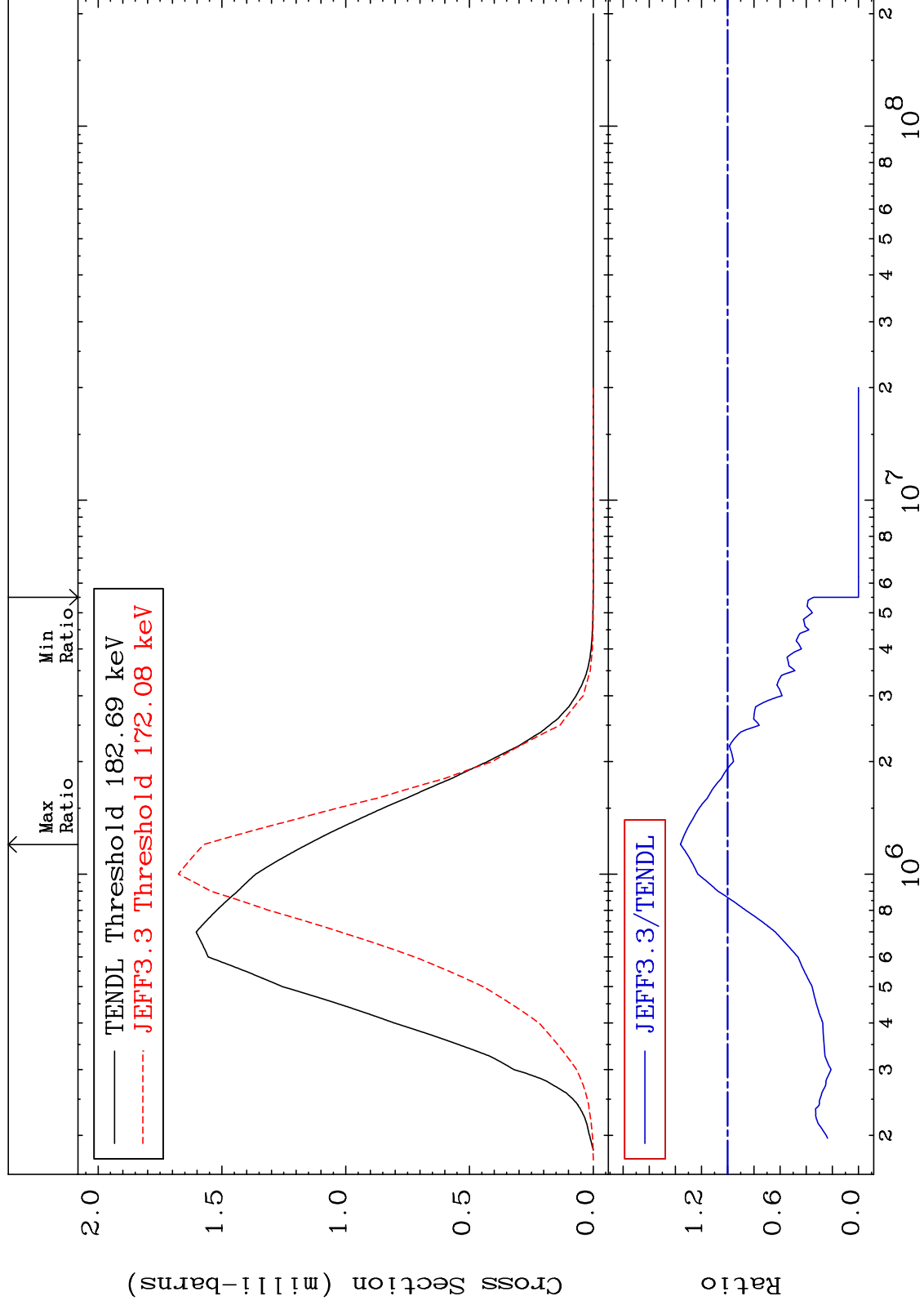
MAT 9547 MT= 61 (n,n') Level 95-Am-242  
 Cross Section -100.0 To 187.5 %



MAT 9547

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

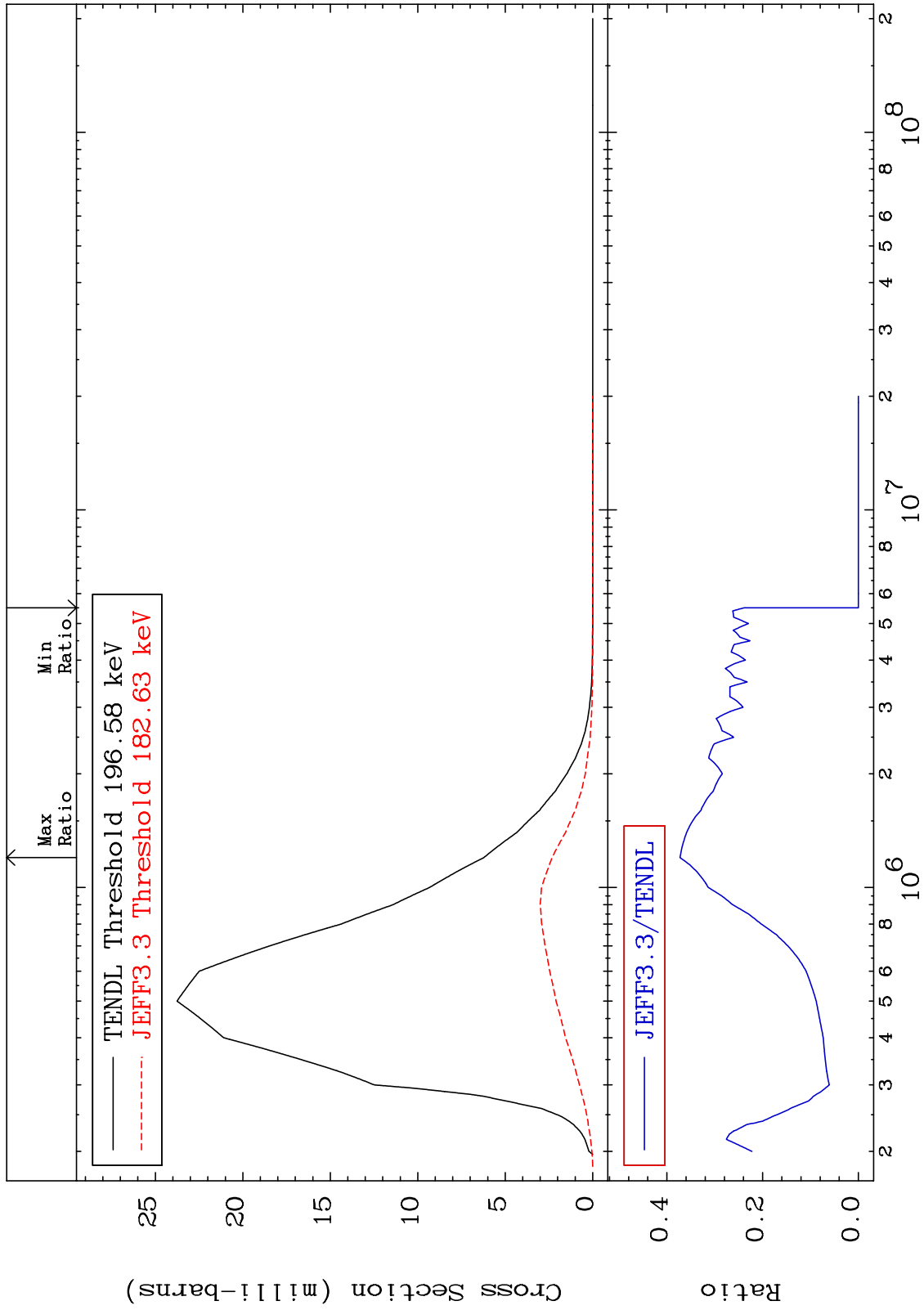
95-Am-242  
-100.0 To 36.13 %



MAT 9547

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

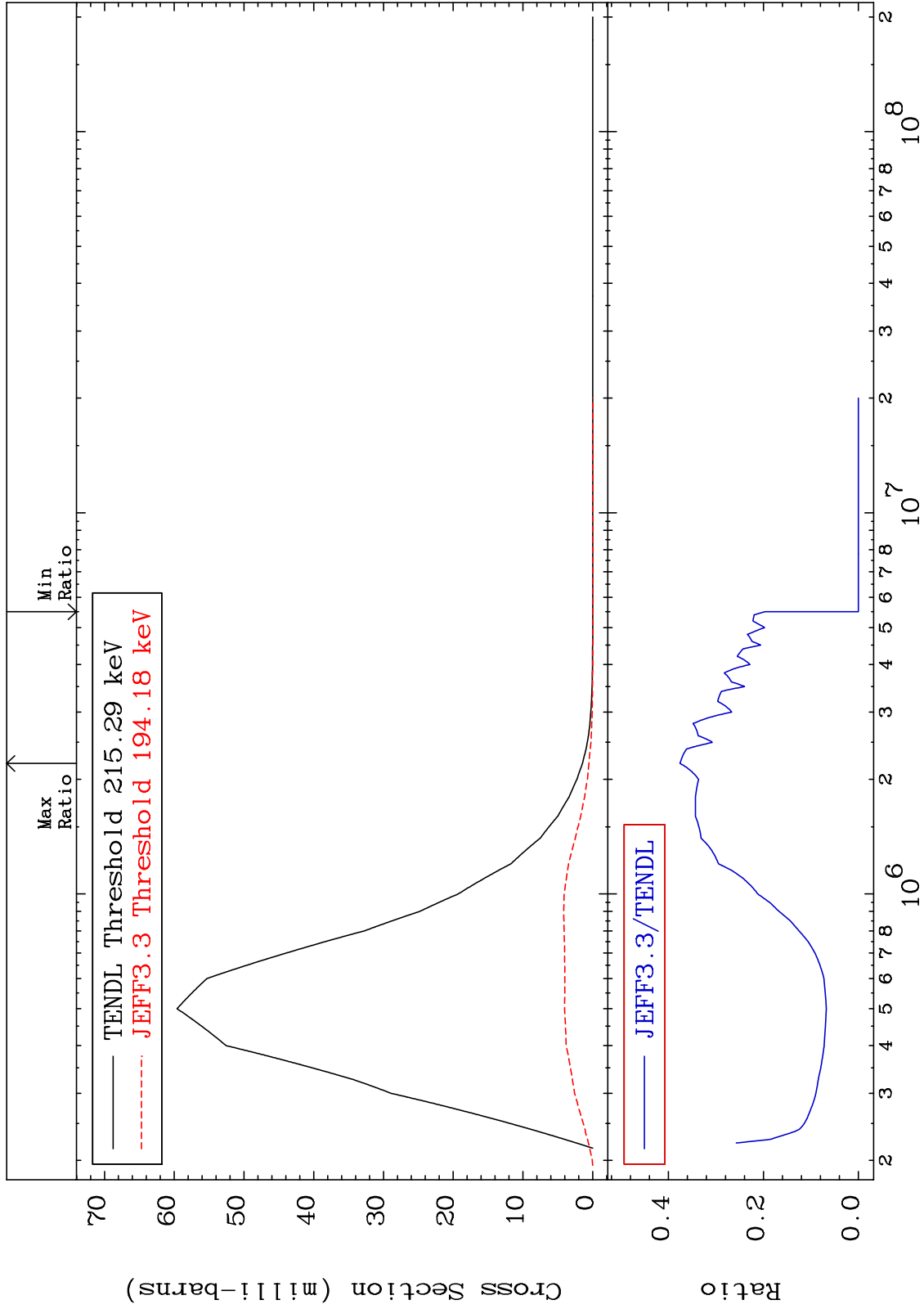
95-Am-242  
-100.0 To -62.74%



MAT 9547

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

95-Am-242  
-100.0 To -62.44%

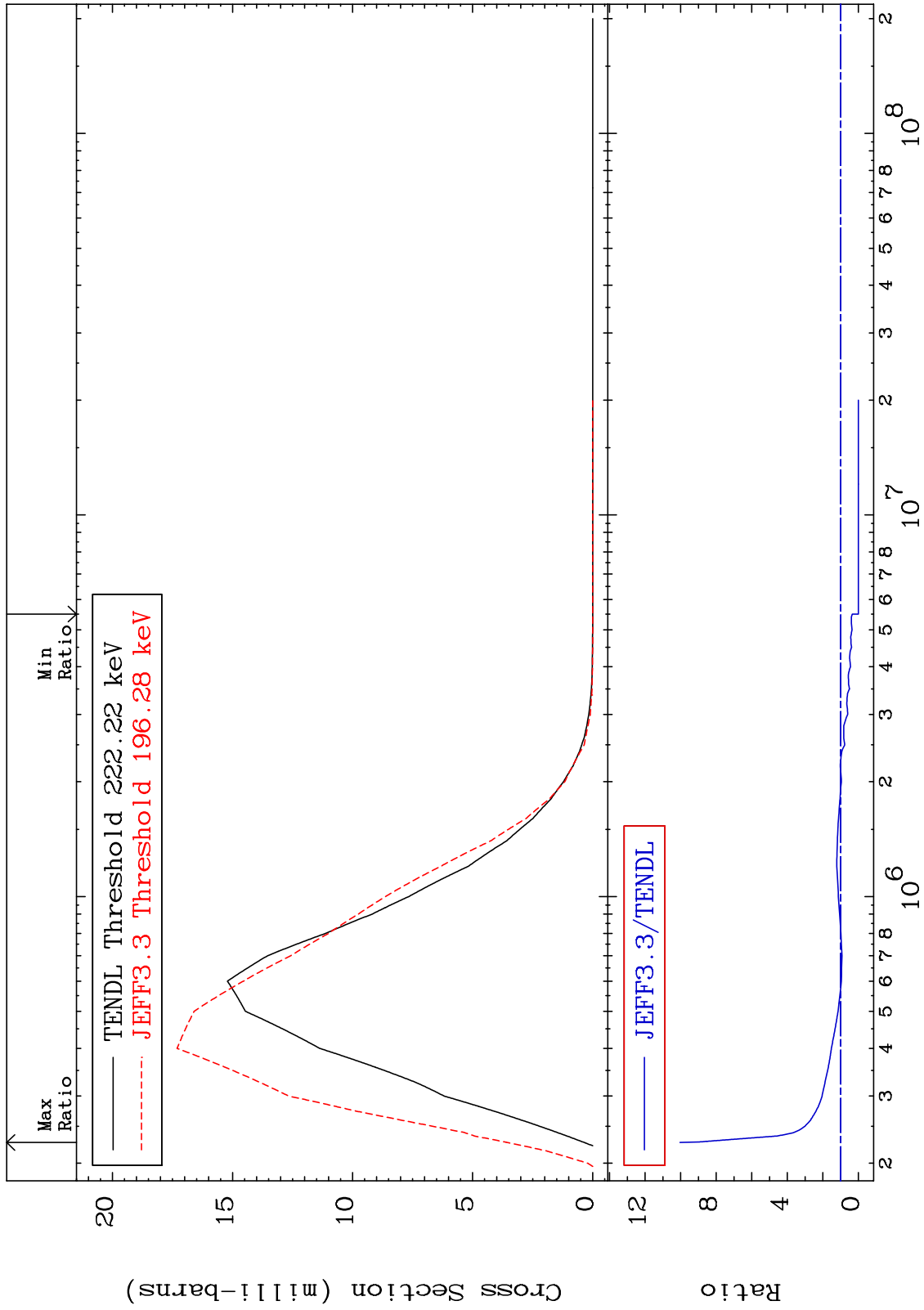


20

Incident Energy (eV)

95-Am-242

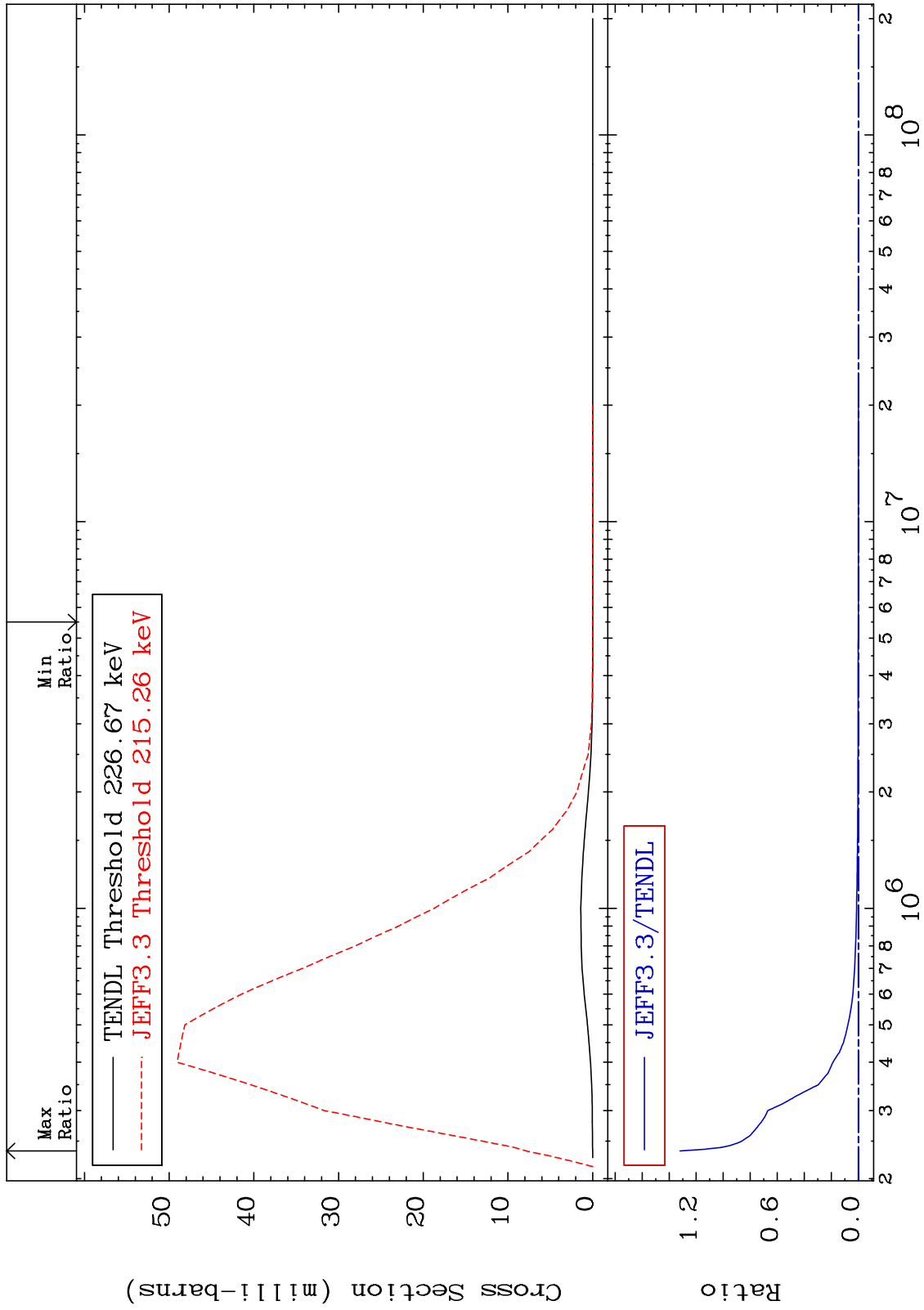
MAT 9547 MT= 65 (n,n') Level Cross Section 95-Am-242  
 -100.0 To 903.8 %



MAT 9547

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

95-Am-242  
-100.0 To 9999. %

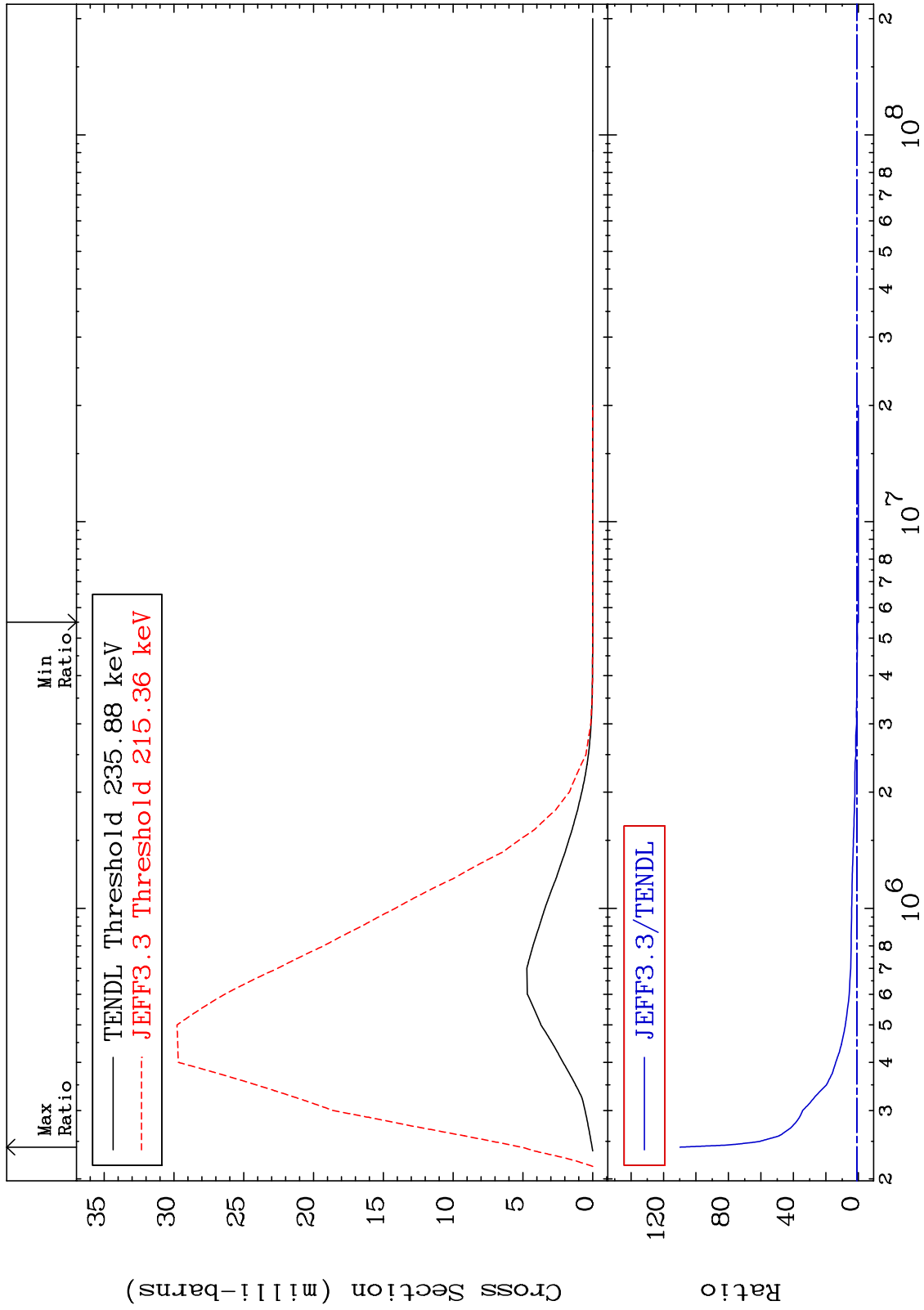


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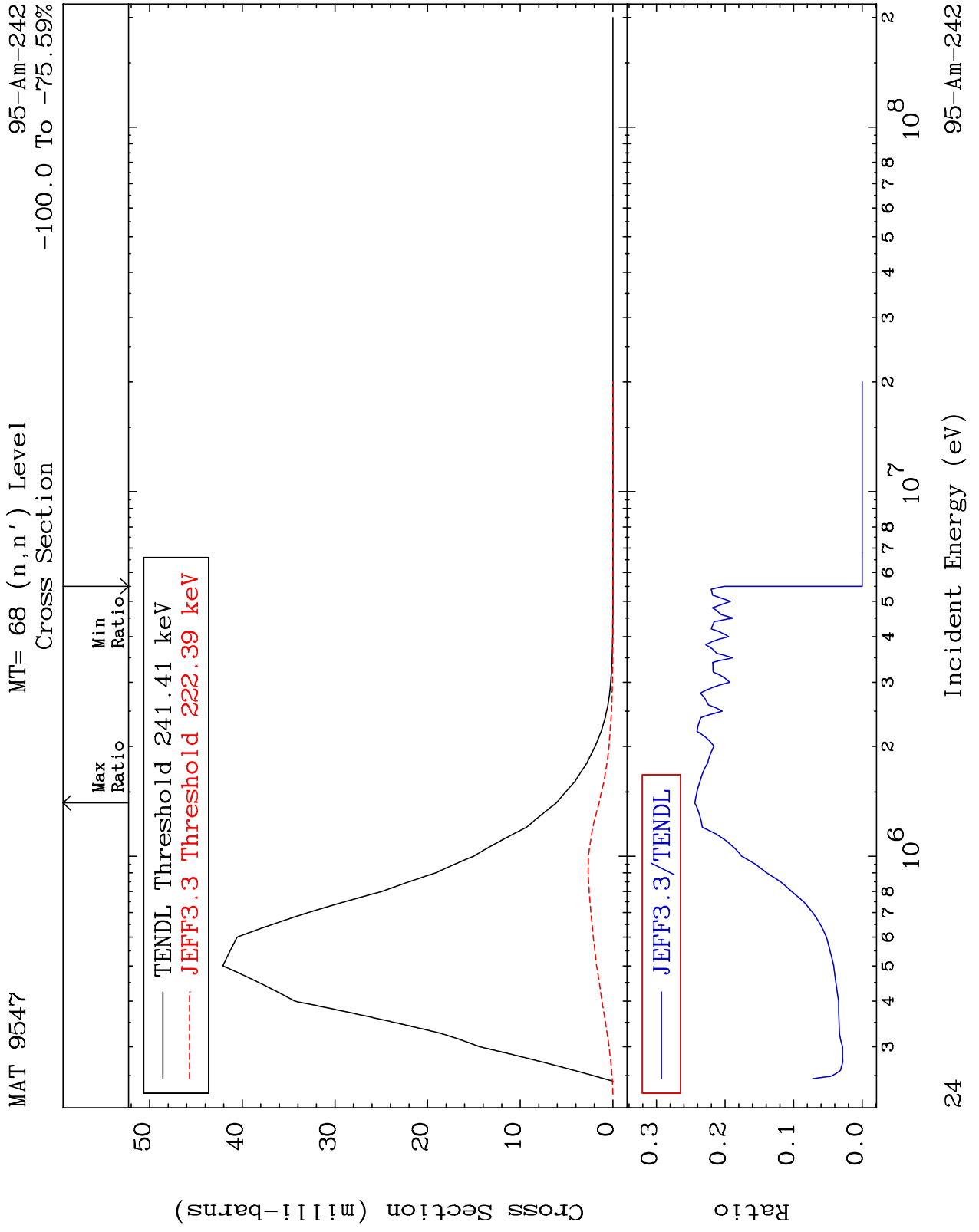
Incident Energy (eV)

95-Am-242

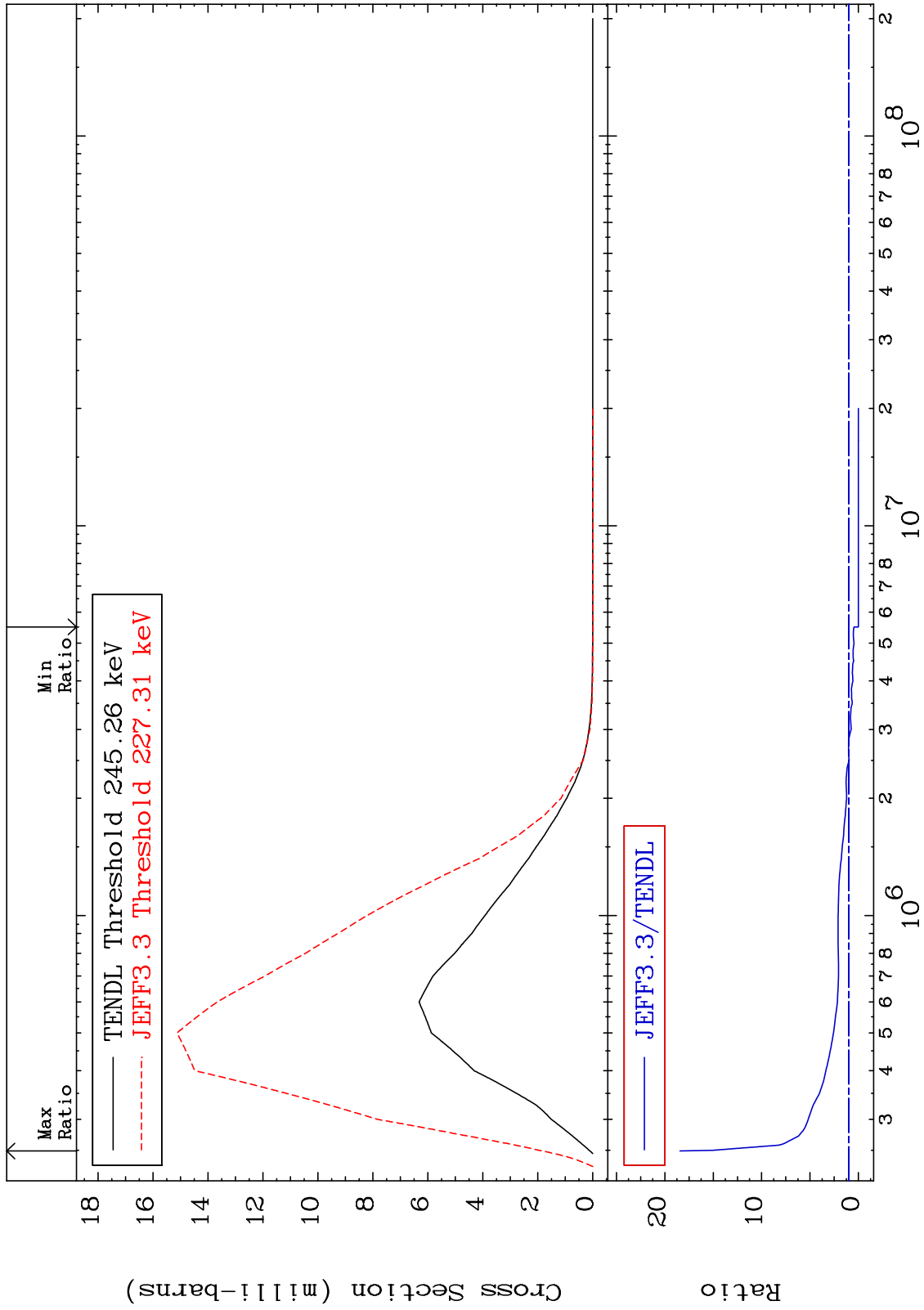
MAT 9547 MT= 67 (n,n') Level Cross Section 95-Am-242  
 -100.0 To 9999. %







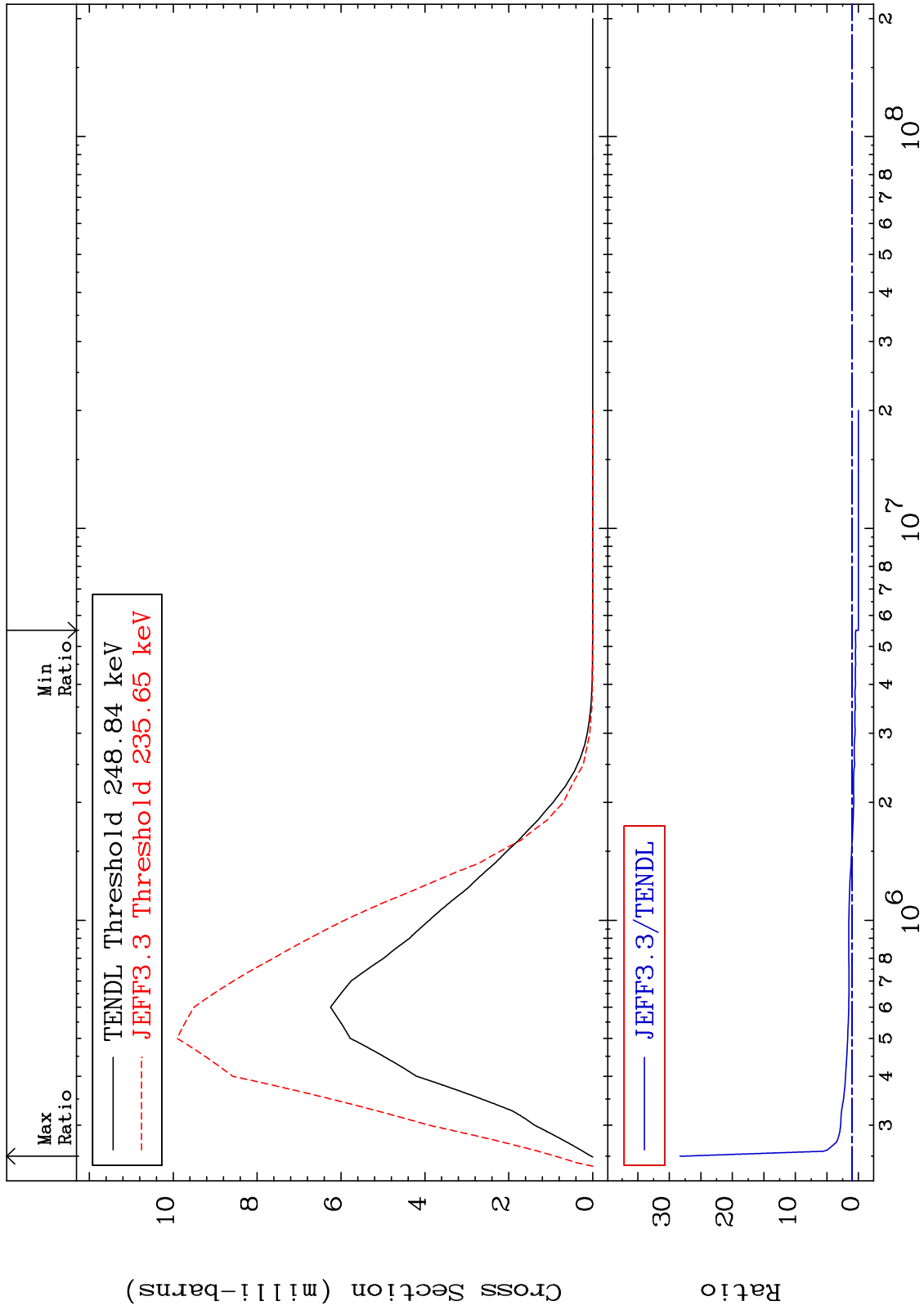
MAT 9547 MT= 69 (n,n') Level Cross Section 95-Am-242  
 -100.0 To 1743. %



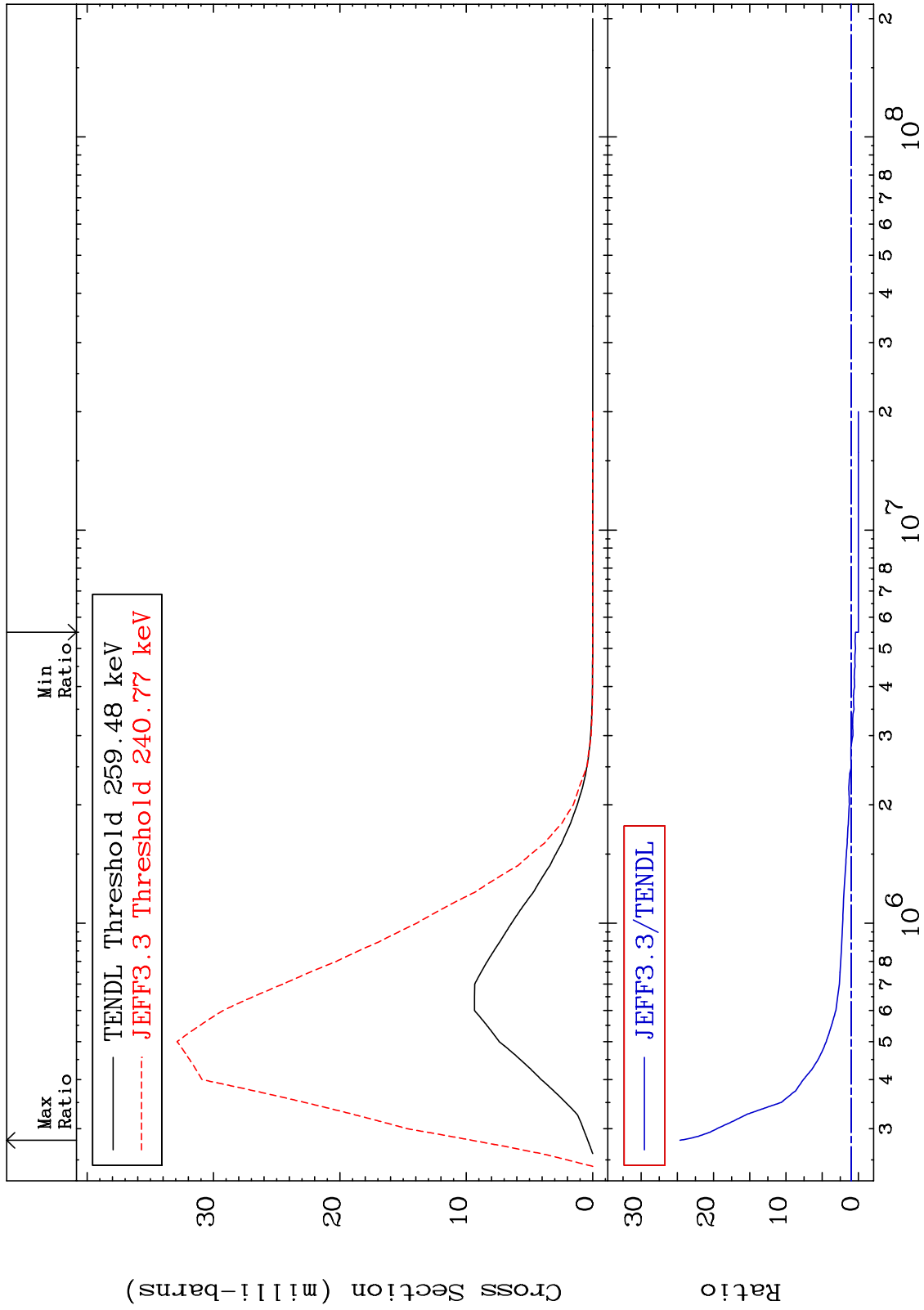
MAT 9547

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

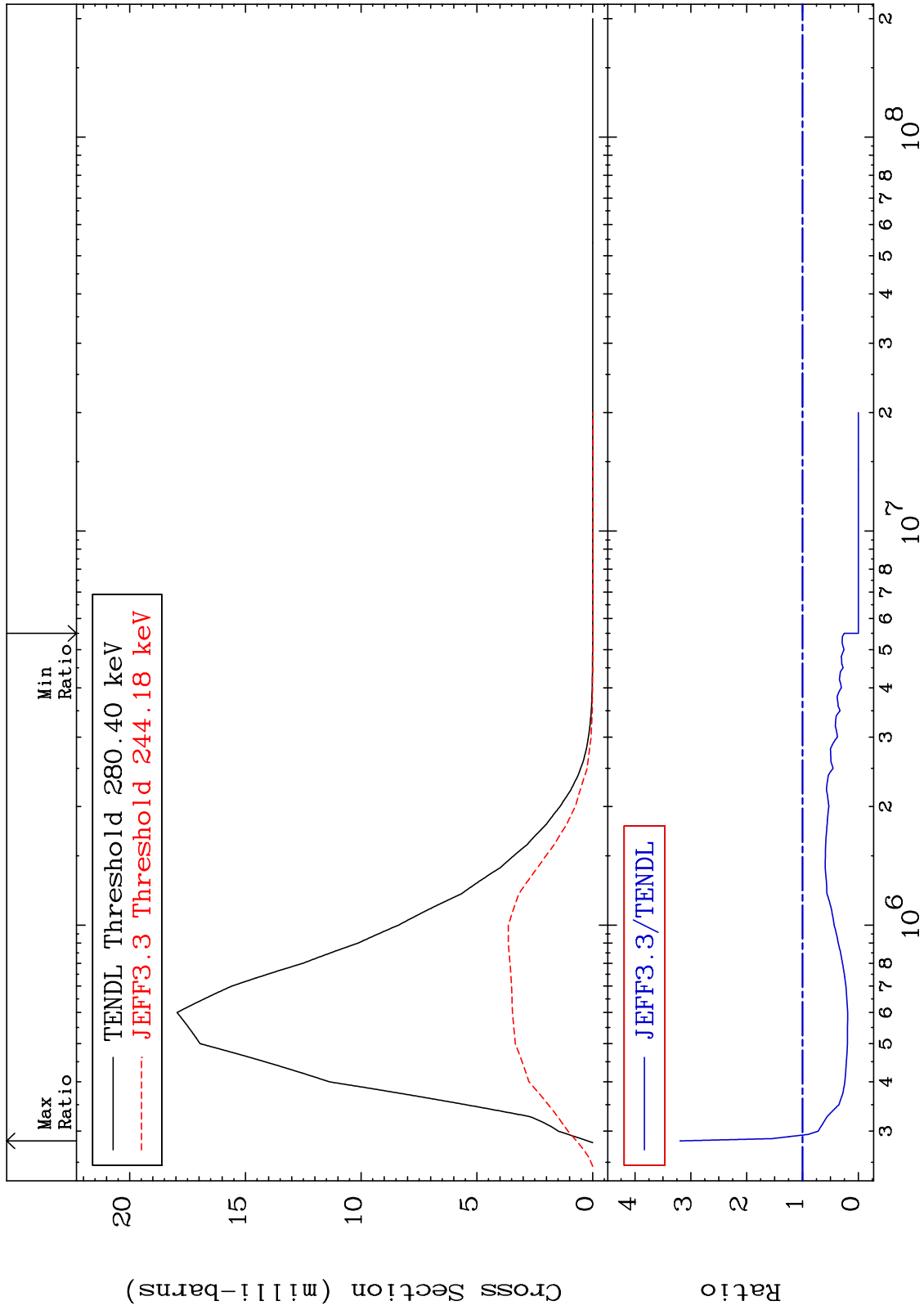
95-Am-242  
-100.0 To 2731. %



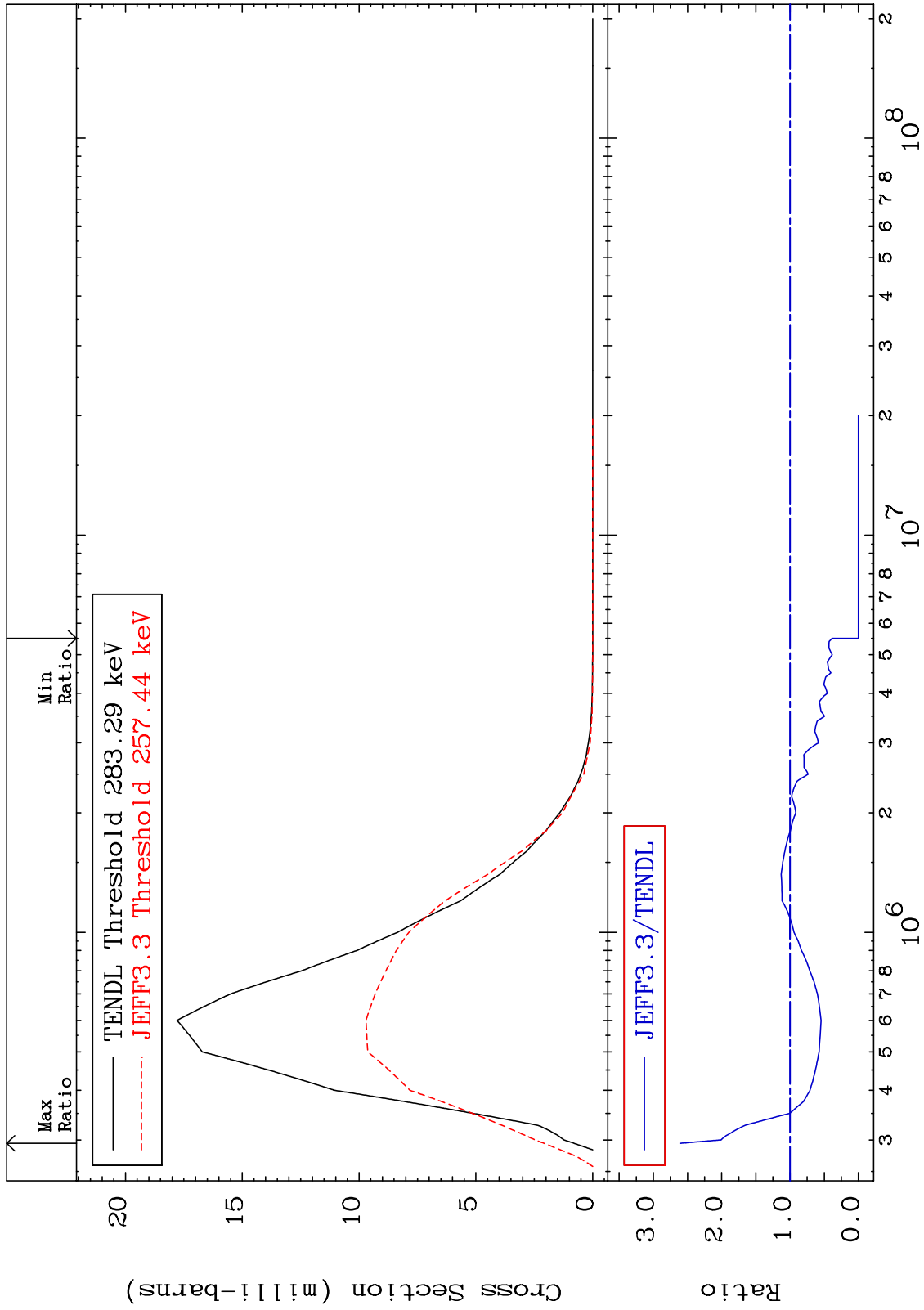
MAT 9547      MT= 71 (n,n') Level      95-Am-242  
 Cross Section      -100.0 To 2364. %



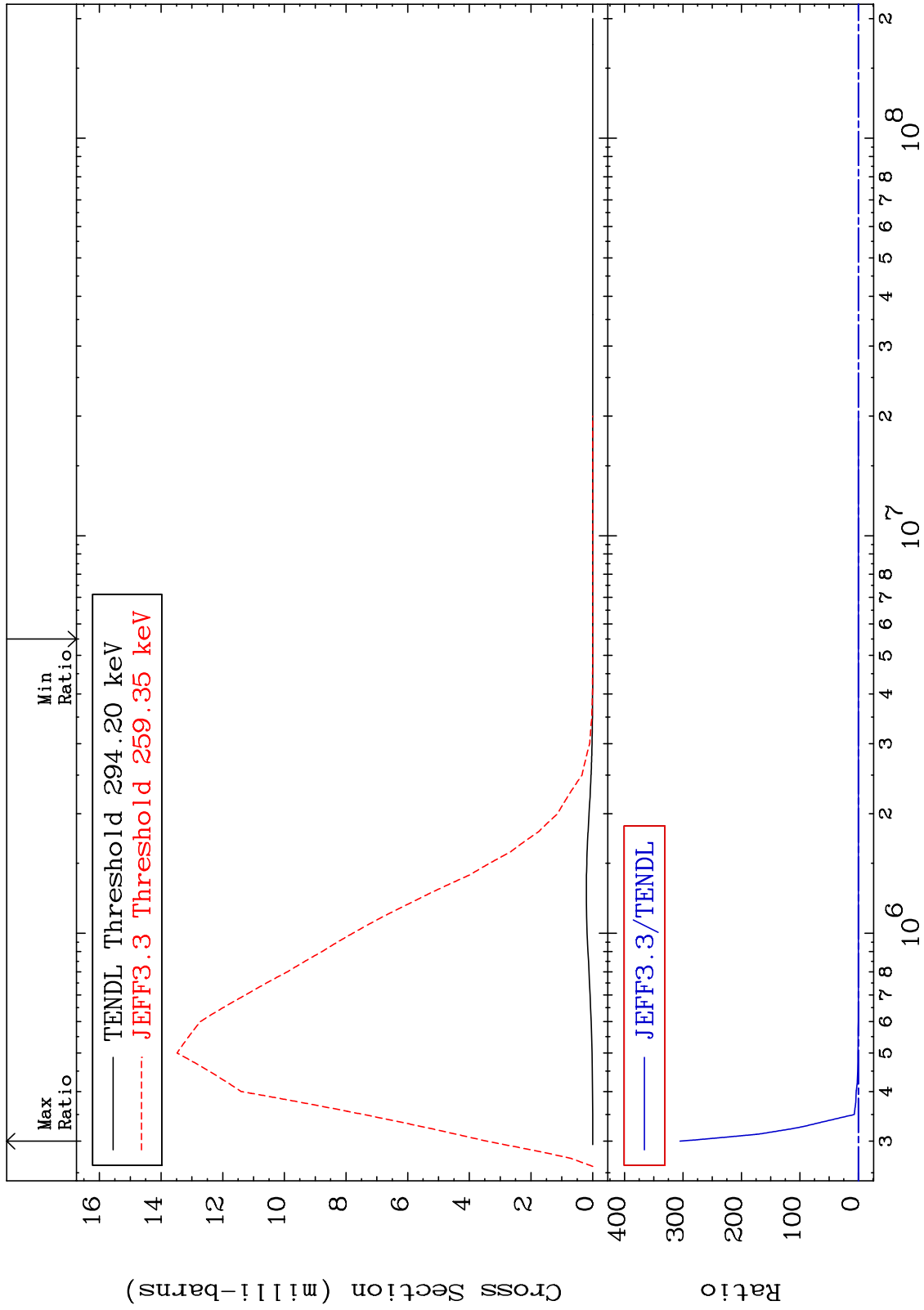
MAT 9547 MT= 72 (n,n') Level Cross Section -100.0 To 219.4 % 95-Am-242



MAT 9547 MT= 73 (n,n') Level  
Cross Section 95-Am-242  
-100.0 To 161.0 %



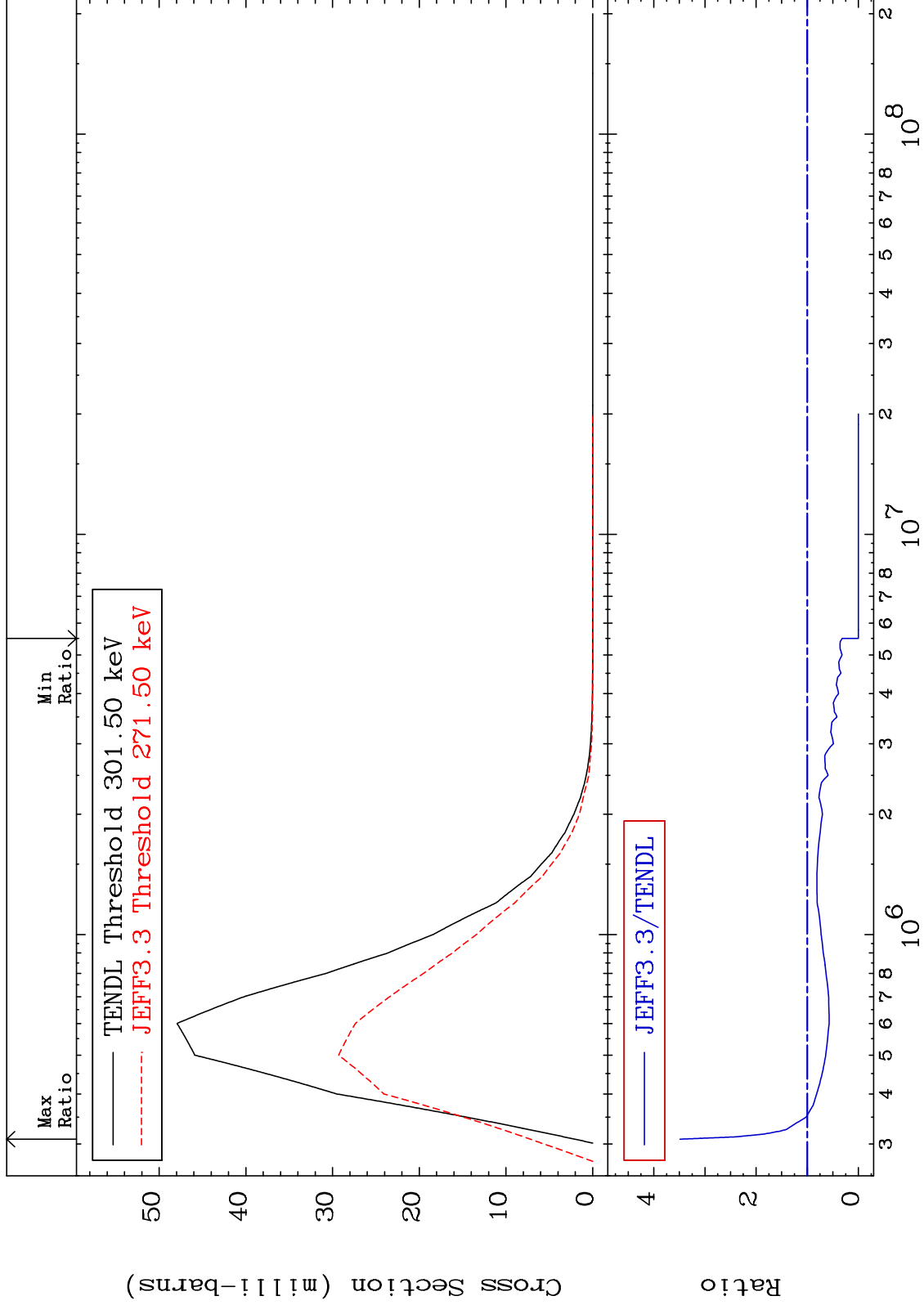
MAT 9547      MT= 74 (n,n') Level      95-Am-242  
Cross Section      -100.0 To 9999. %



MAT 9547

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

95-Am-242  
-100.0 To 248.7 %

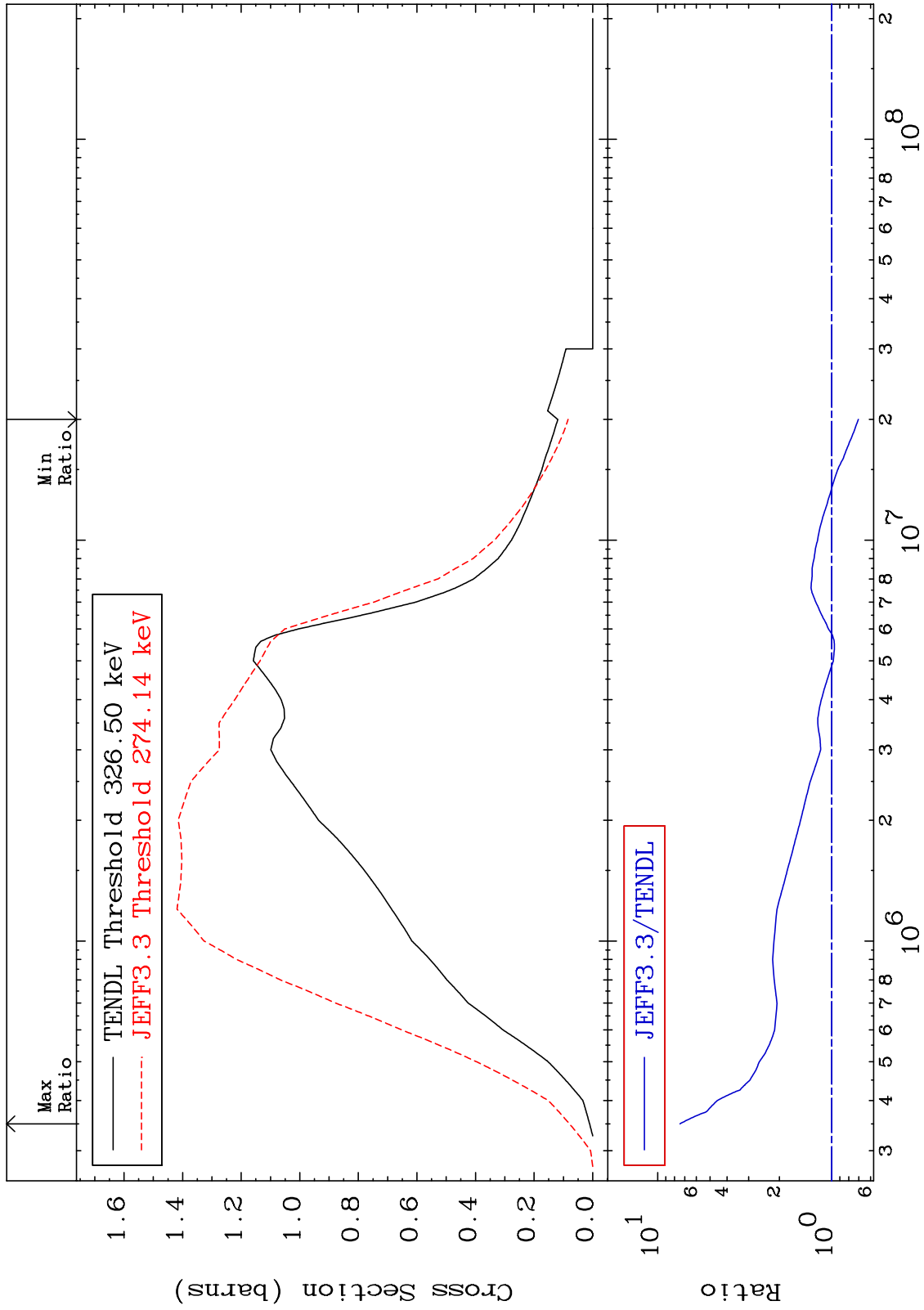




MAT 9547

(n,n') Continuum  
Cross Section

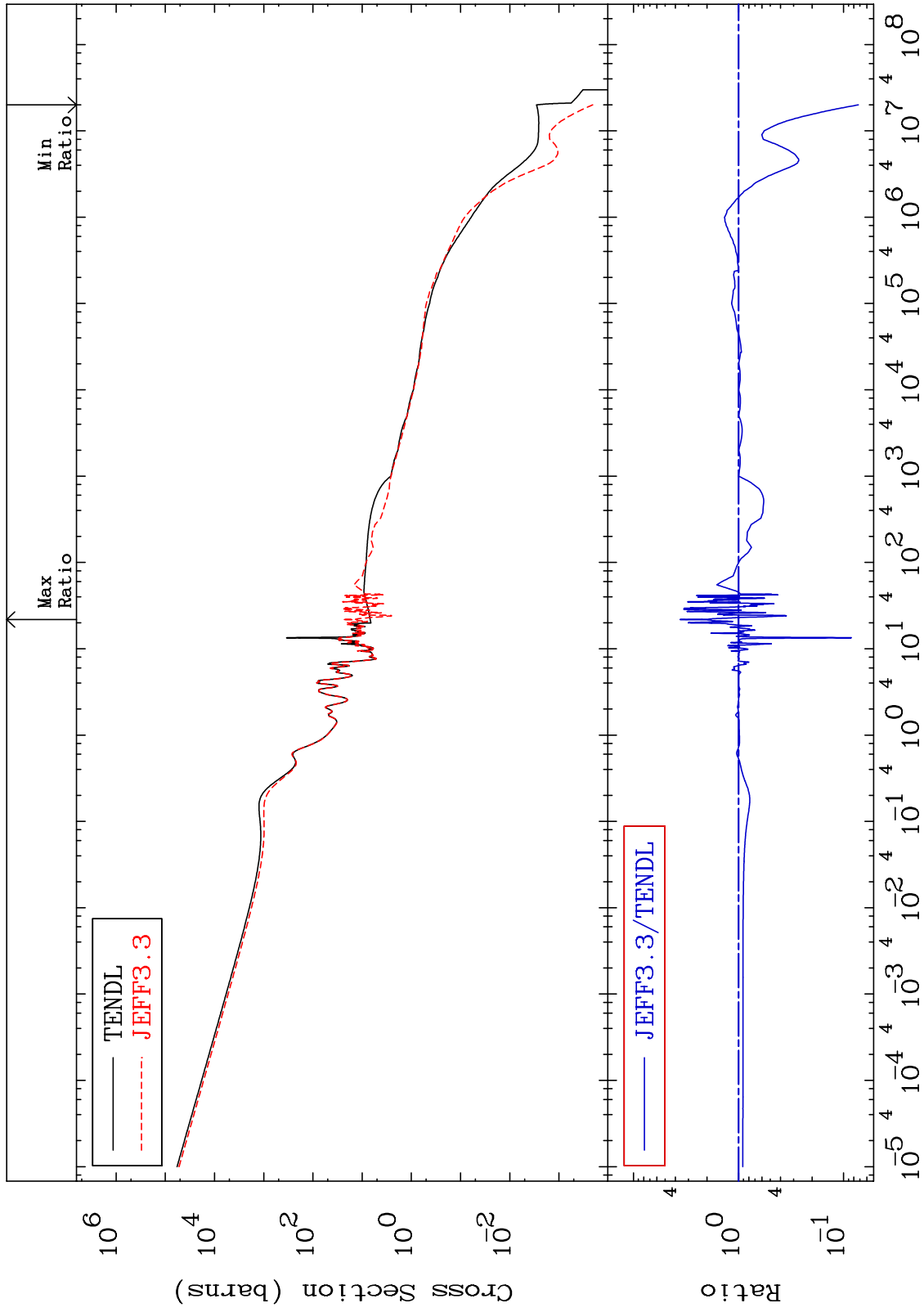
95-Am-242  
-29.63 To 644.5 %



MAT 9547

(n,  $\gamma$ )  
Cross Section

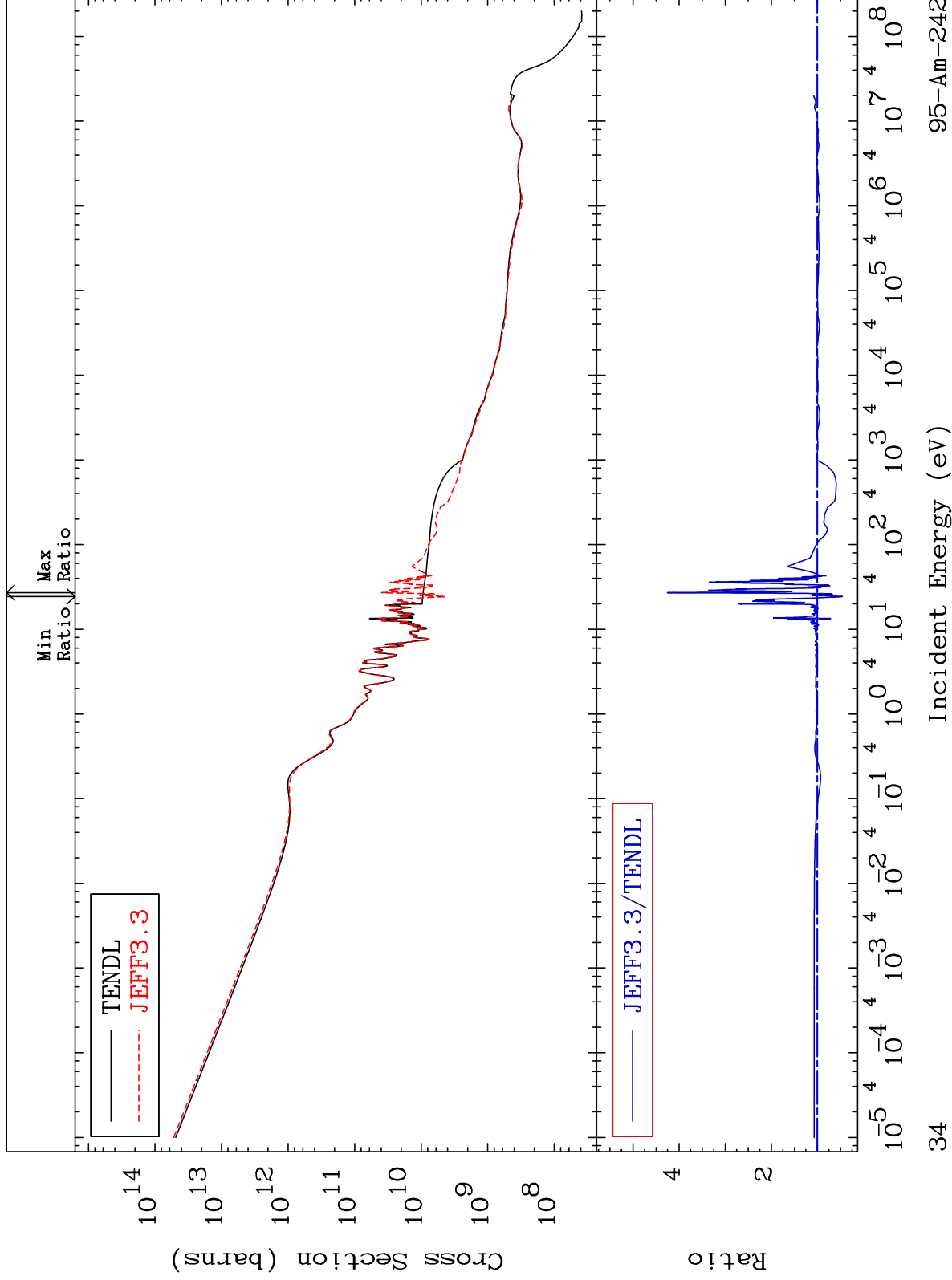
95-Am-242  
-92.77 To 261.3 %



MAT 9547

Kerma total (eV-barns)  
Cross Section

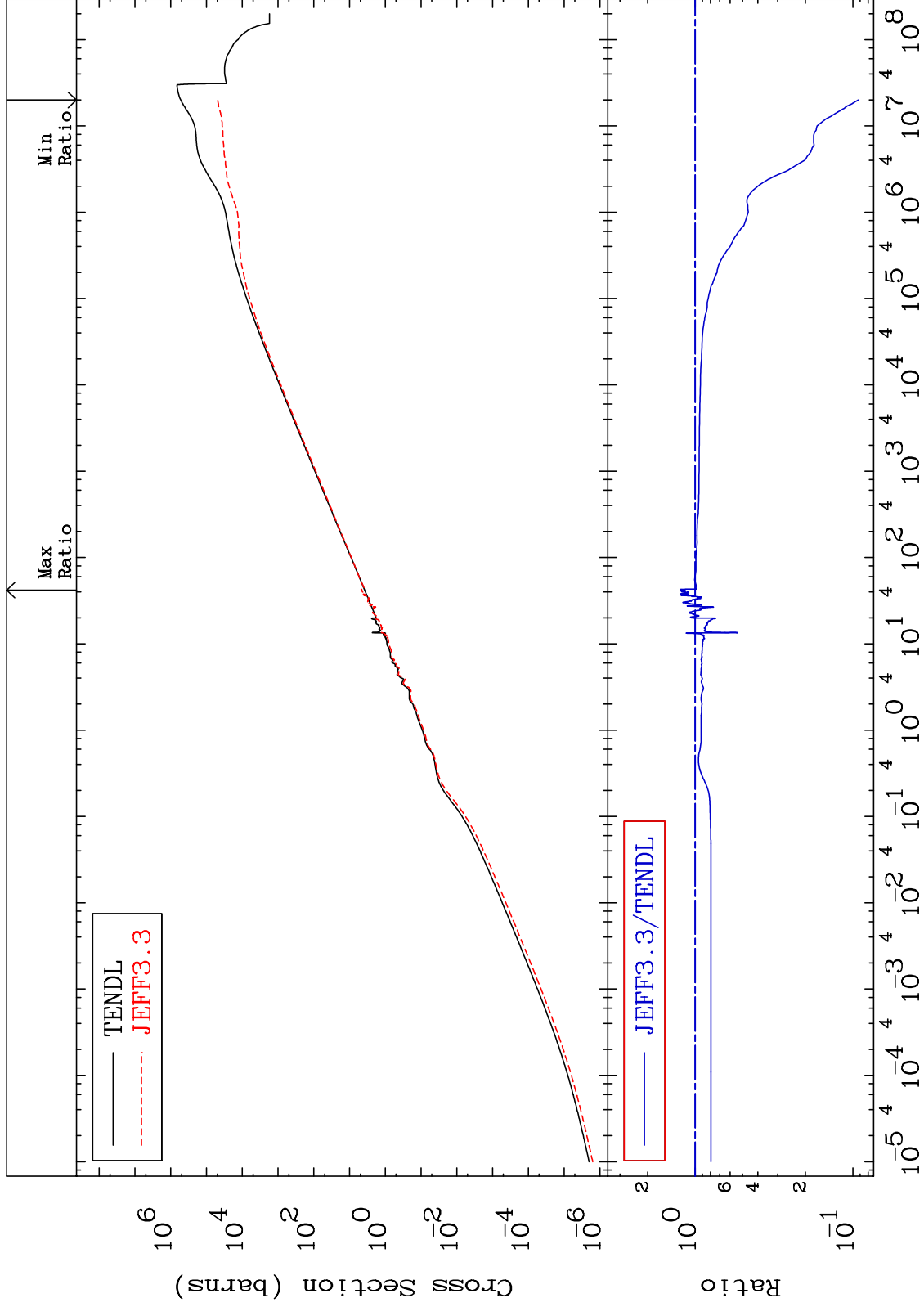
95-Am-242  
-54.83 To 325.1 %



MAT 9547

Kerma elastic  
Cross Section

95-Am-242  
-90.78 To 24.75 %



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Incident Energy (eV)

95-Am-242

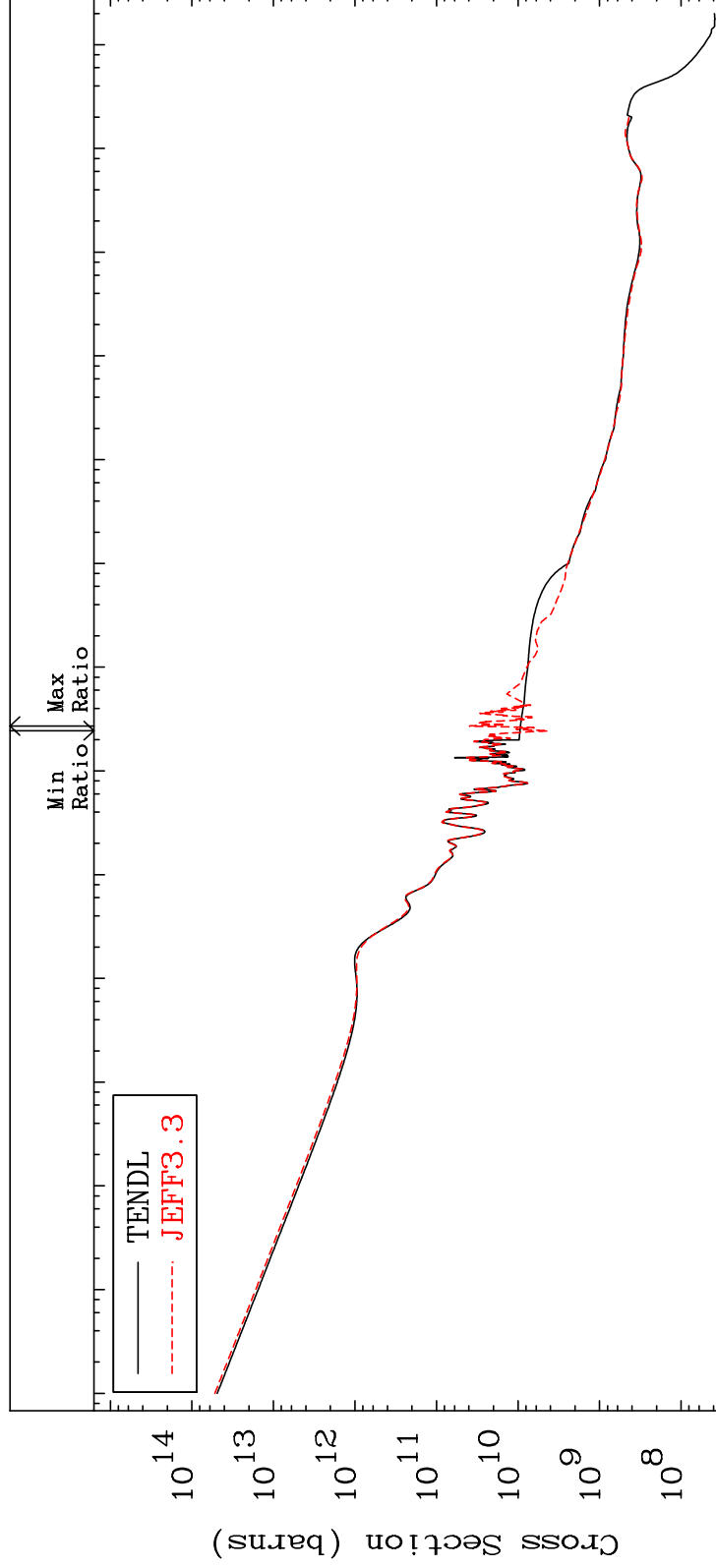
MAT 9547

Kerma non-elastic (all but mt2)

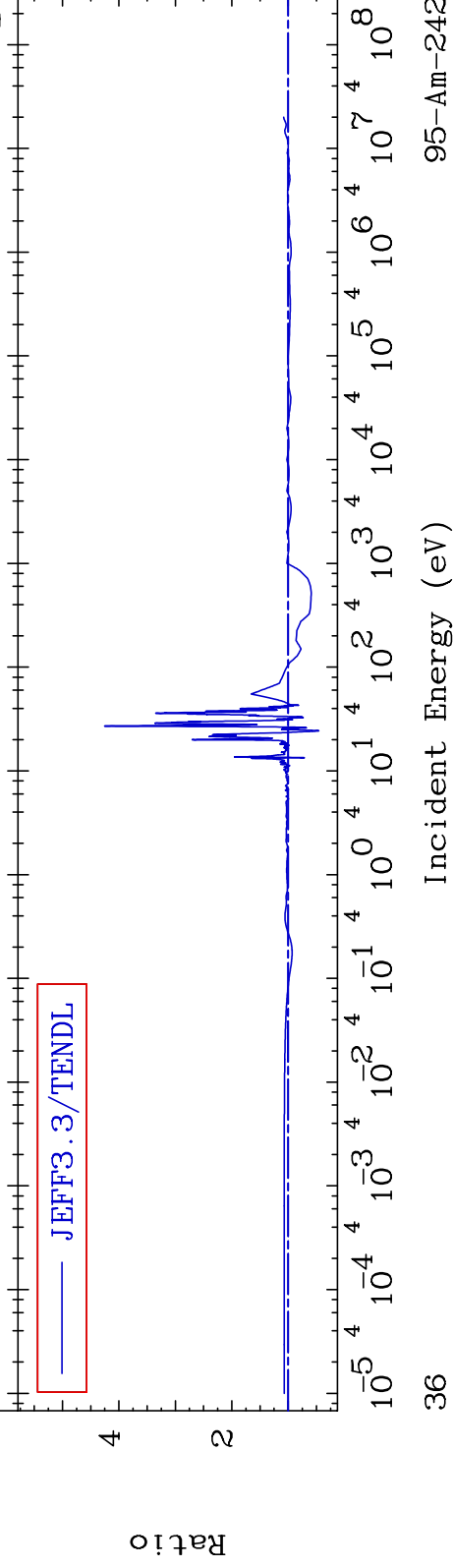
95-Am-242

-54.83 To 325.1 %

Cross Section



JEFF3.3/TENDL



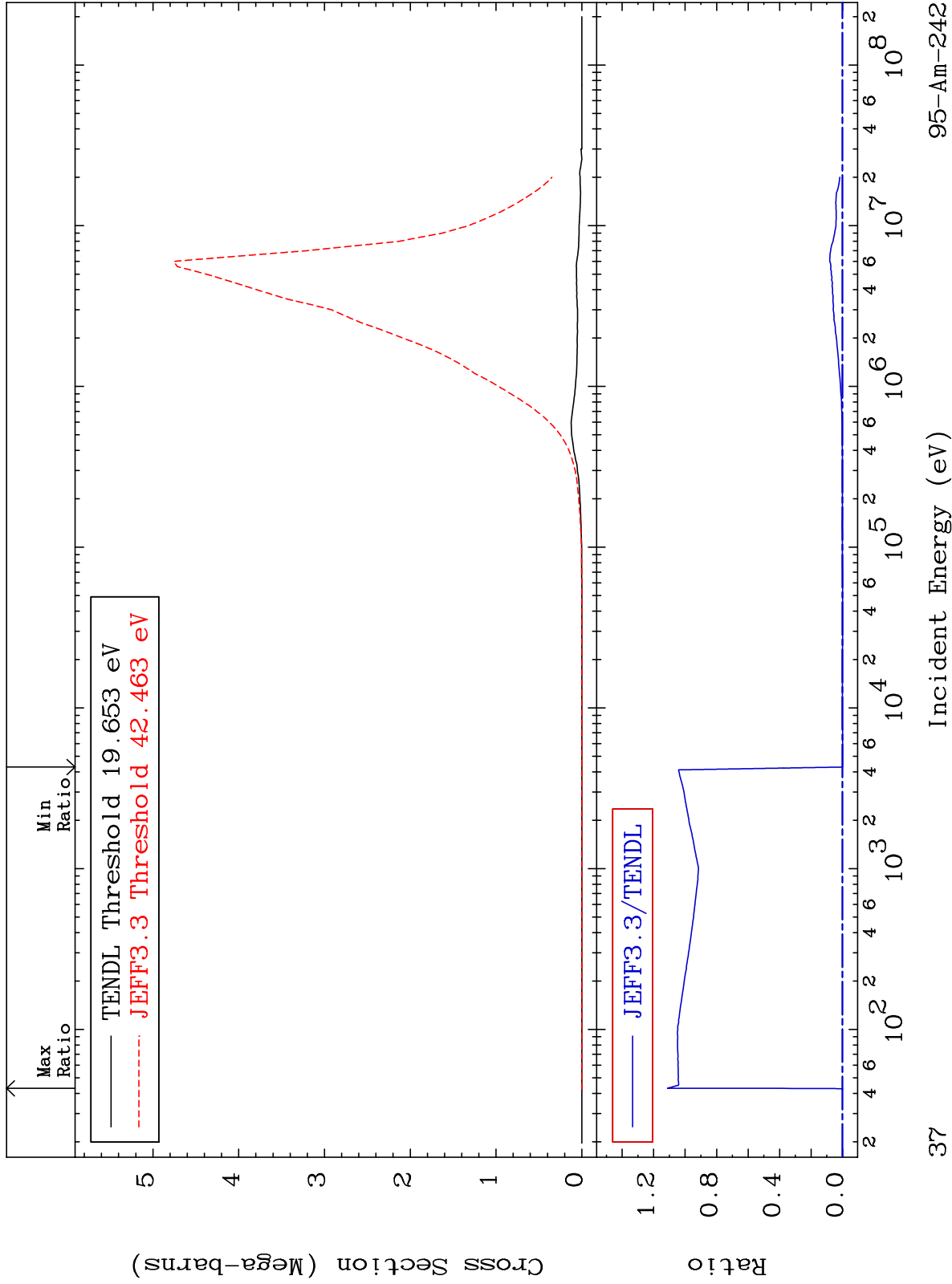
36

95-Am-242

MAT 9547

Kerma inelastic (mt51-91)  
Cross Section

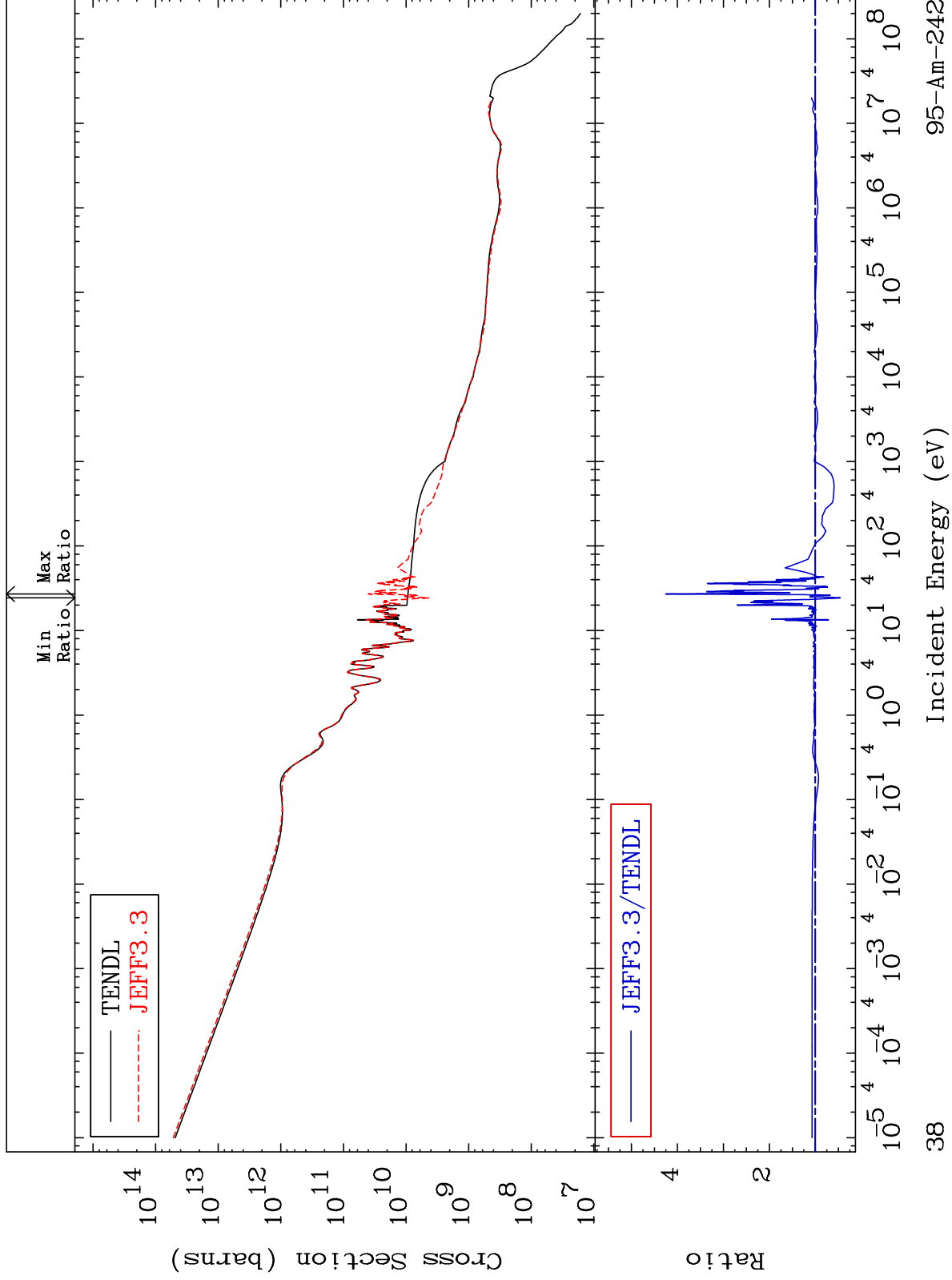
95-Am-242  
-160.4 To 9999. %



MAT 9547

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

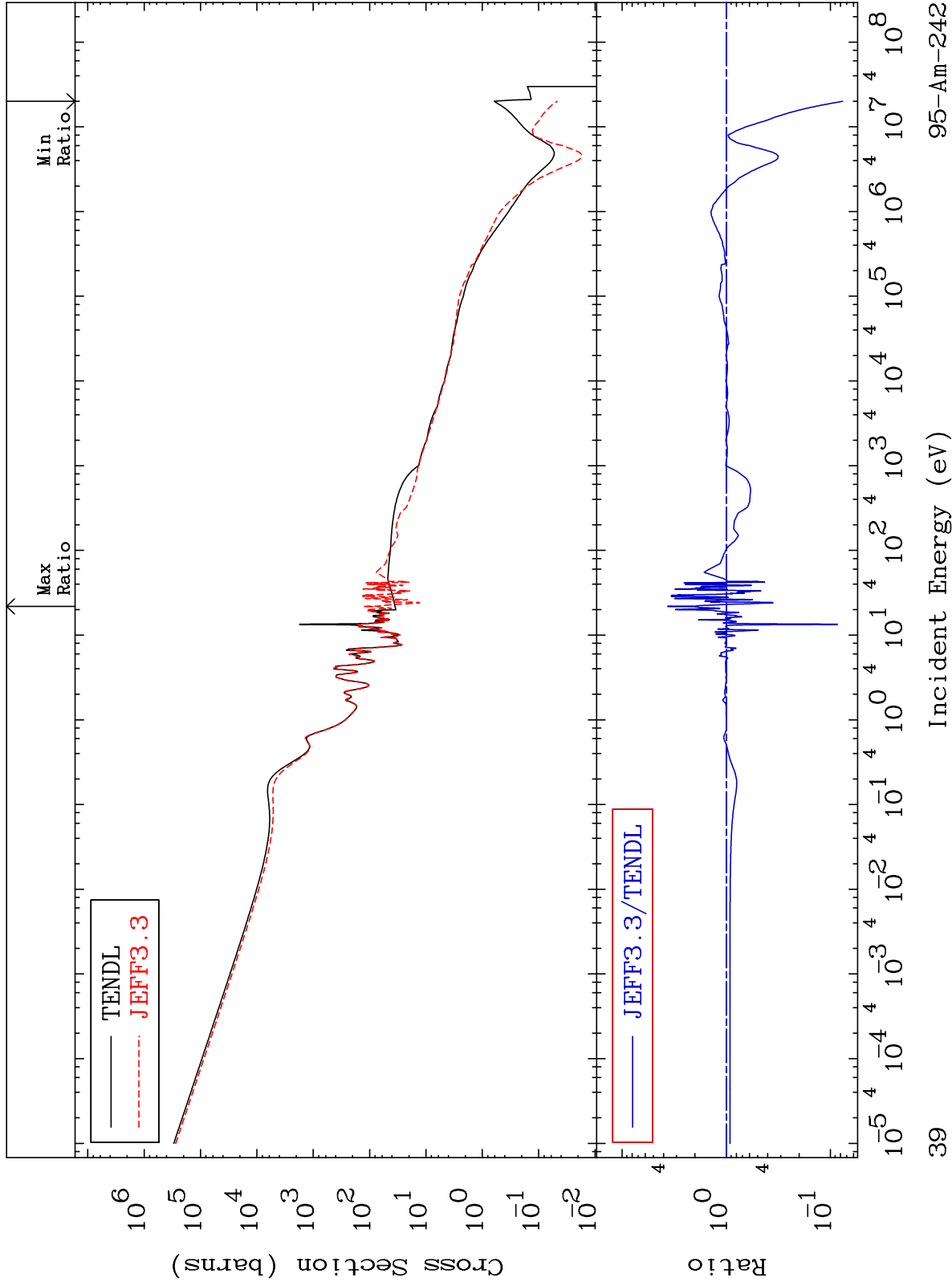
95-Am-242  
-54.83 To 325.1 %



MAT 9547

Kerma capture (mt102)  
Cross Section

95-Am-242  
-92.37 To 266.1 %

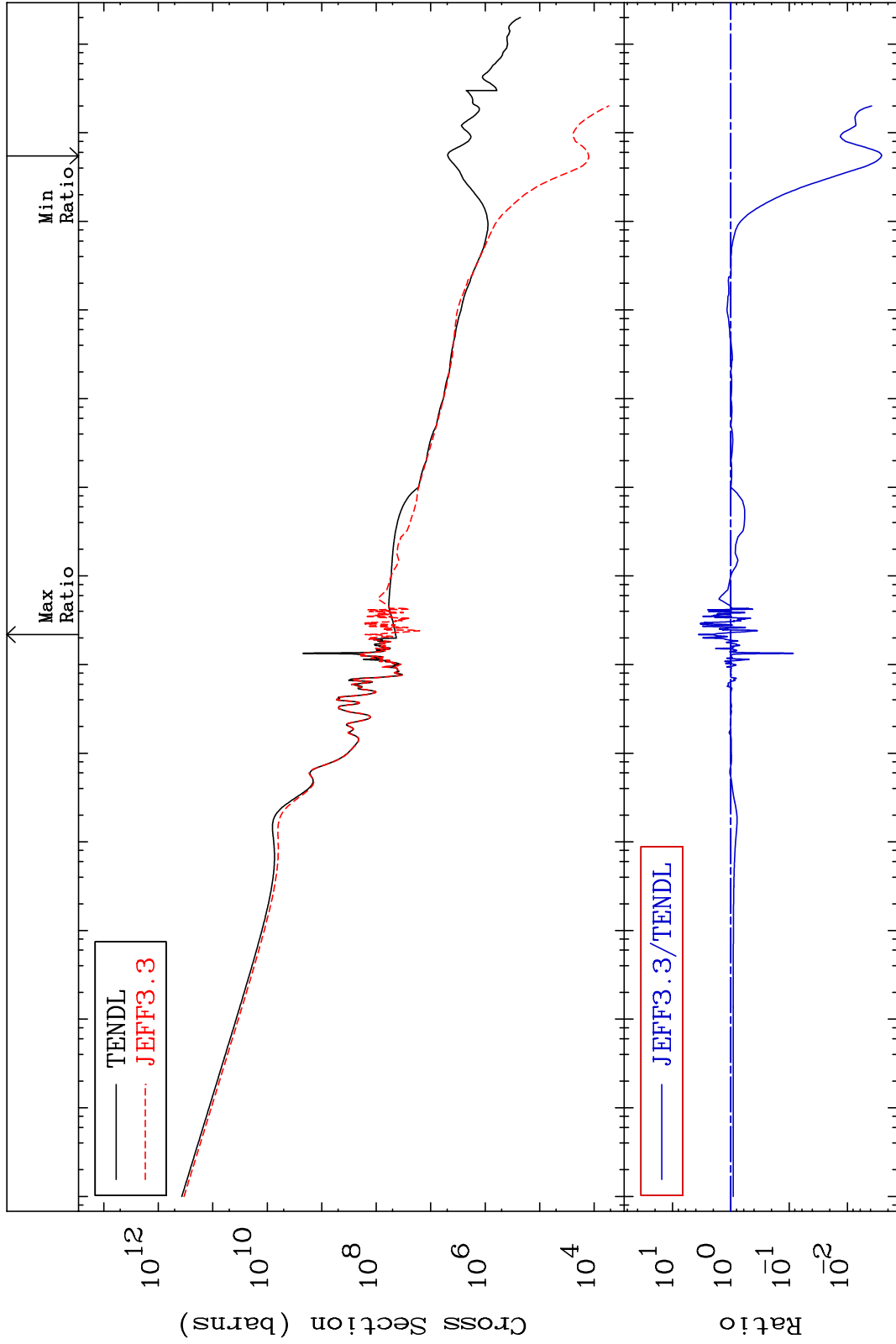




MAT 9547

Total photon (eV-barns)  
Cross Section

95-Am-242  
-99.74 To 261.4 %

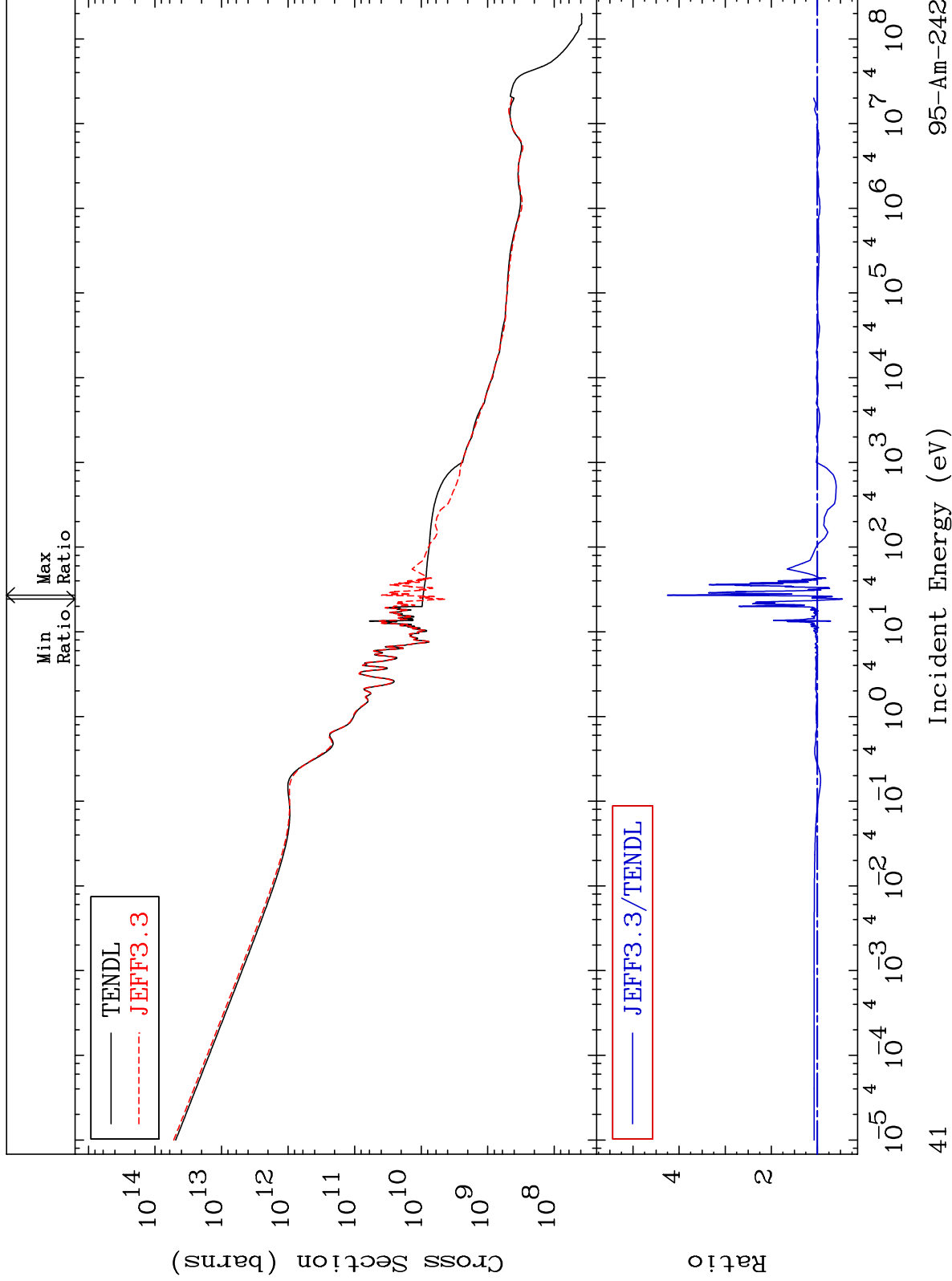


Incident Energy (eV) 95-Am-242

MAT 9547

Total kinematic kerma (high limit)  
Cross Section

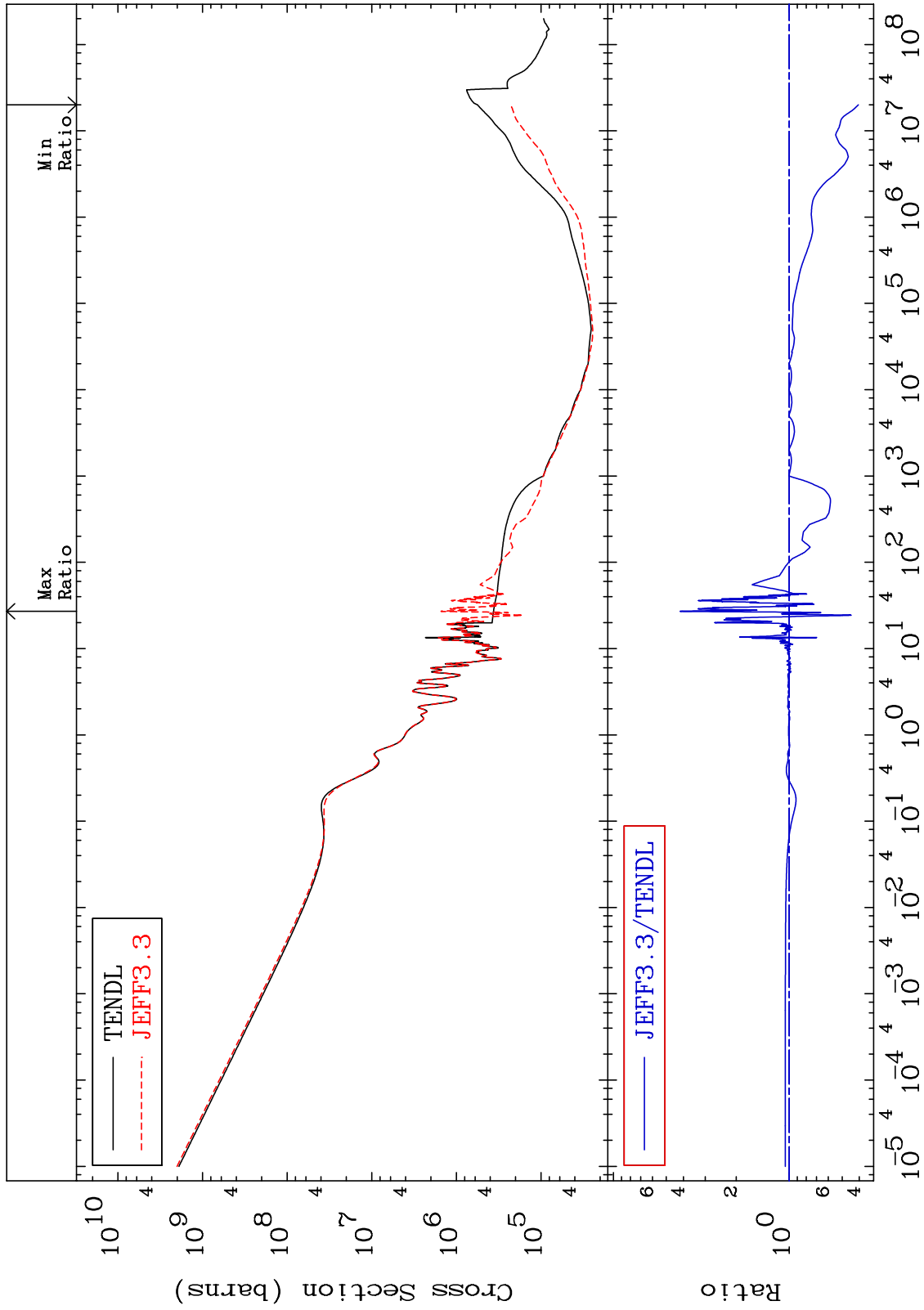
95-Am-242  
-54.83 To 325.1 %



MAT 9547

Dpa total (eV-barns)  
Cross Section

95-Am-242  
-59.55 To 317.8 %



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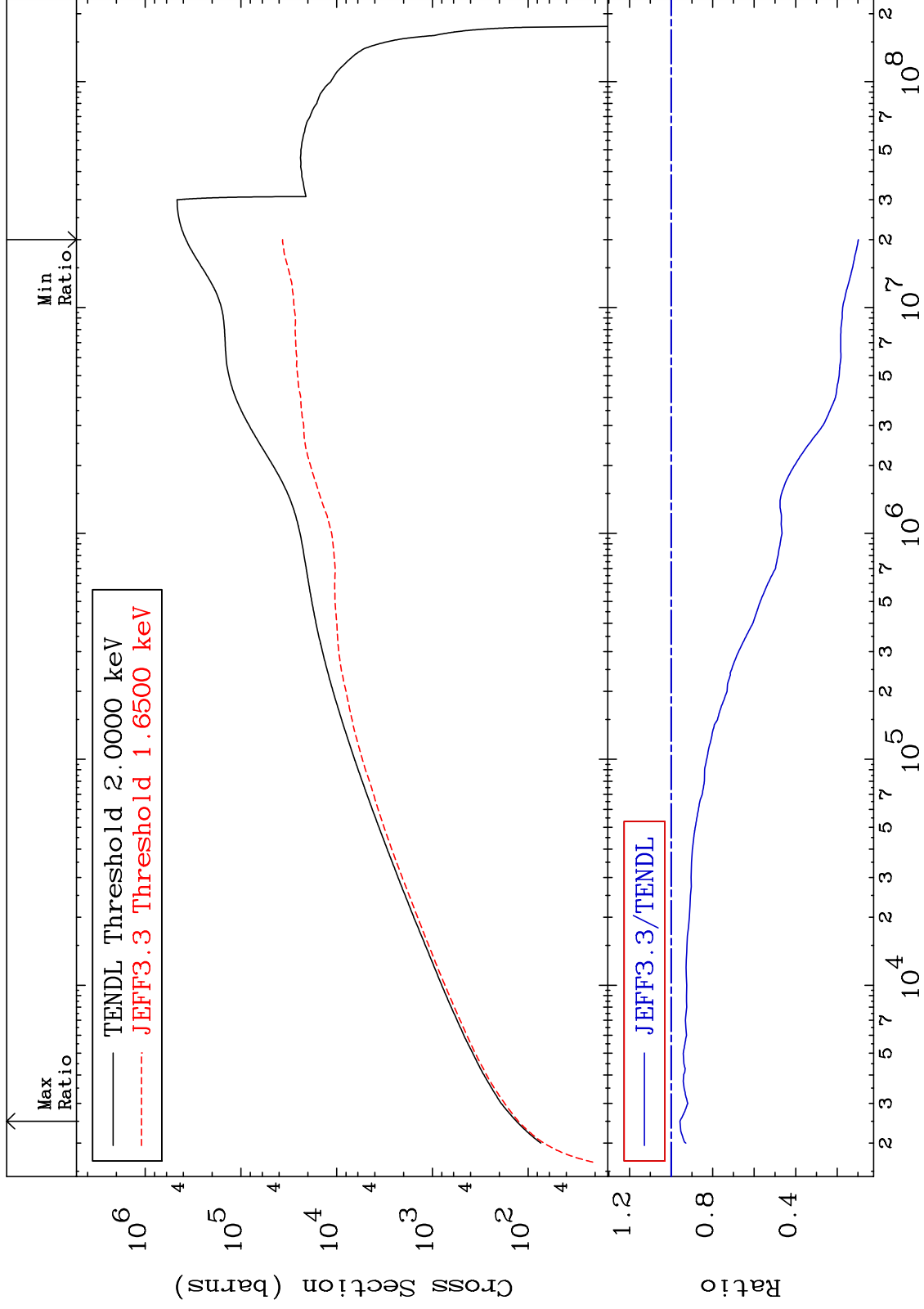
Incident Energy (eV)

95-Am-242

MAT 9547

Dpa elastic (mt2)  
Cross Section

95-Am-242  
-90.19 To -4.279%



43

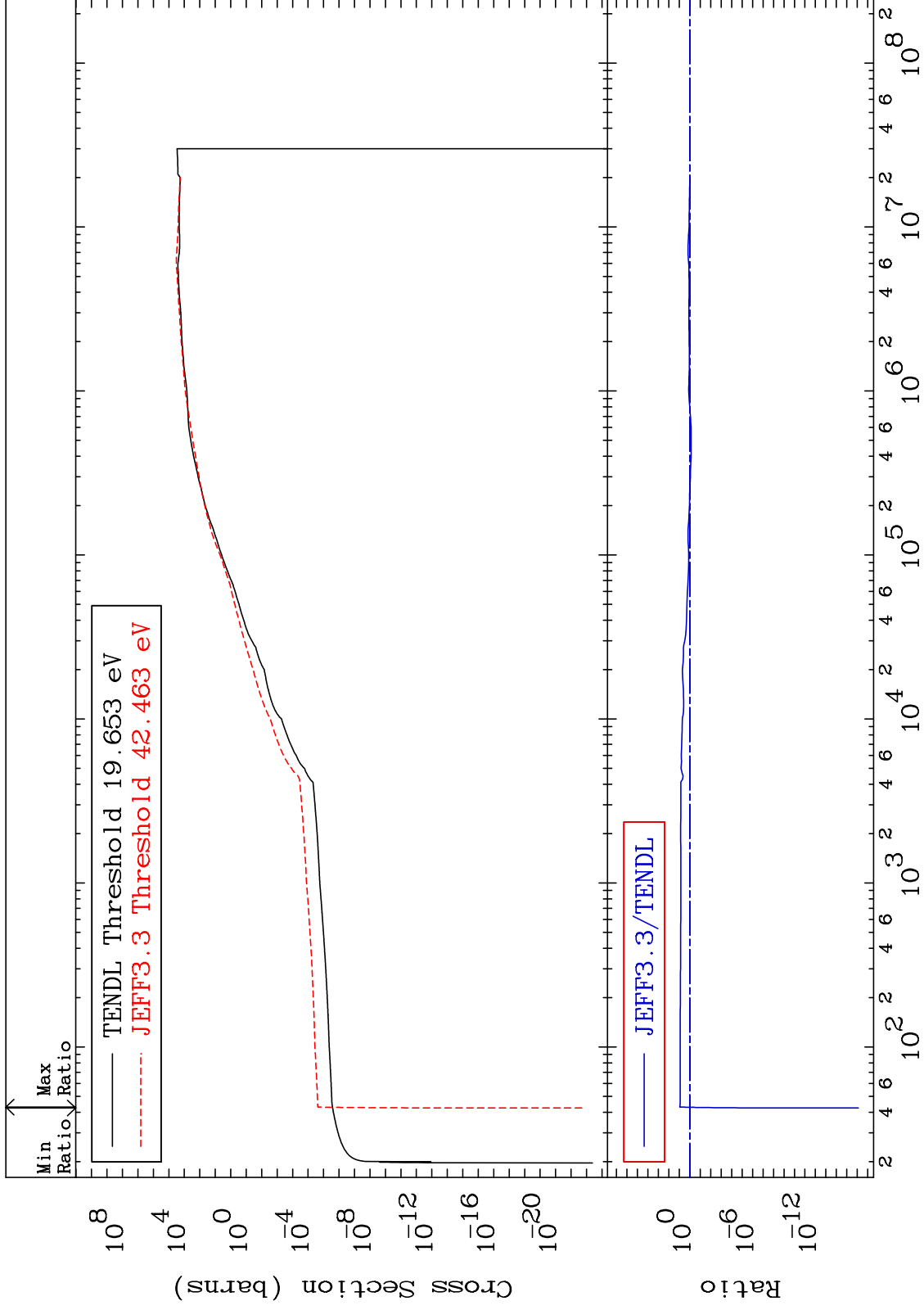
Incident Energy (eV)

95-Am-242

MAT 9547

Dpa inelastic (mt51-91)  
Cross Section

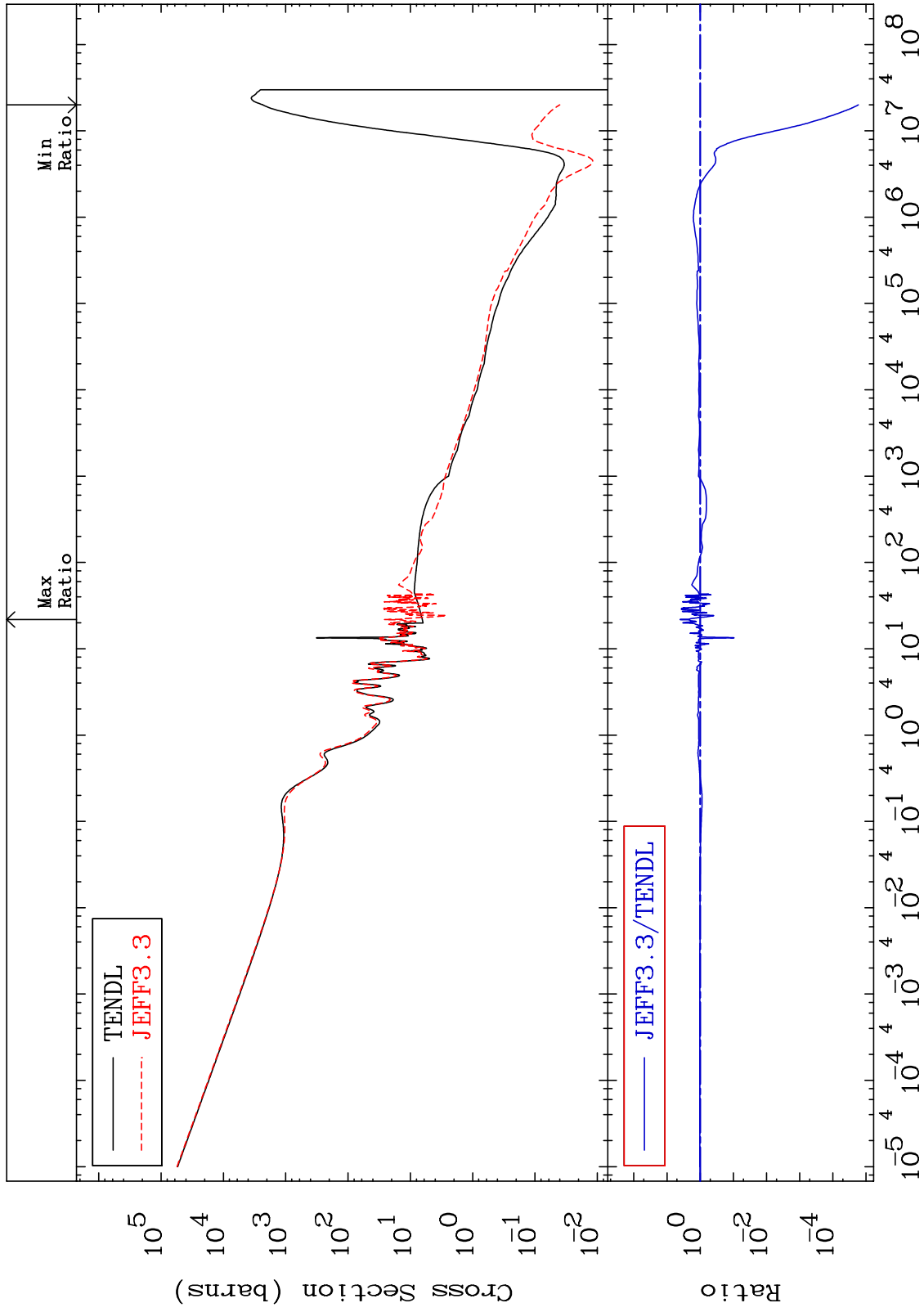
95-Am-242  
-100.0 To 791.7 %



MAT 9547

Dpa disappearance (mt102 -120)  
Cross Section

95-Am-242  
-100.0 To 305.3 %



45

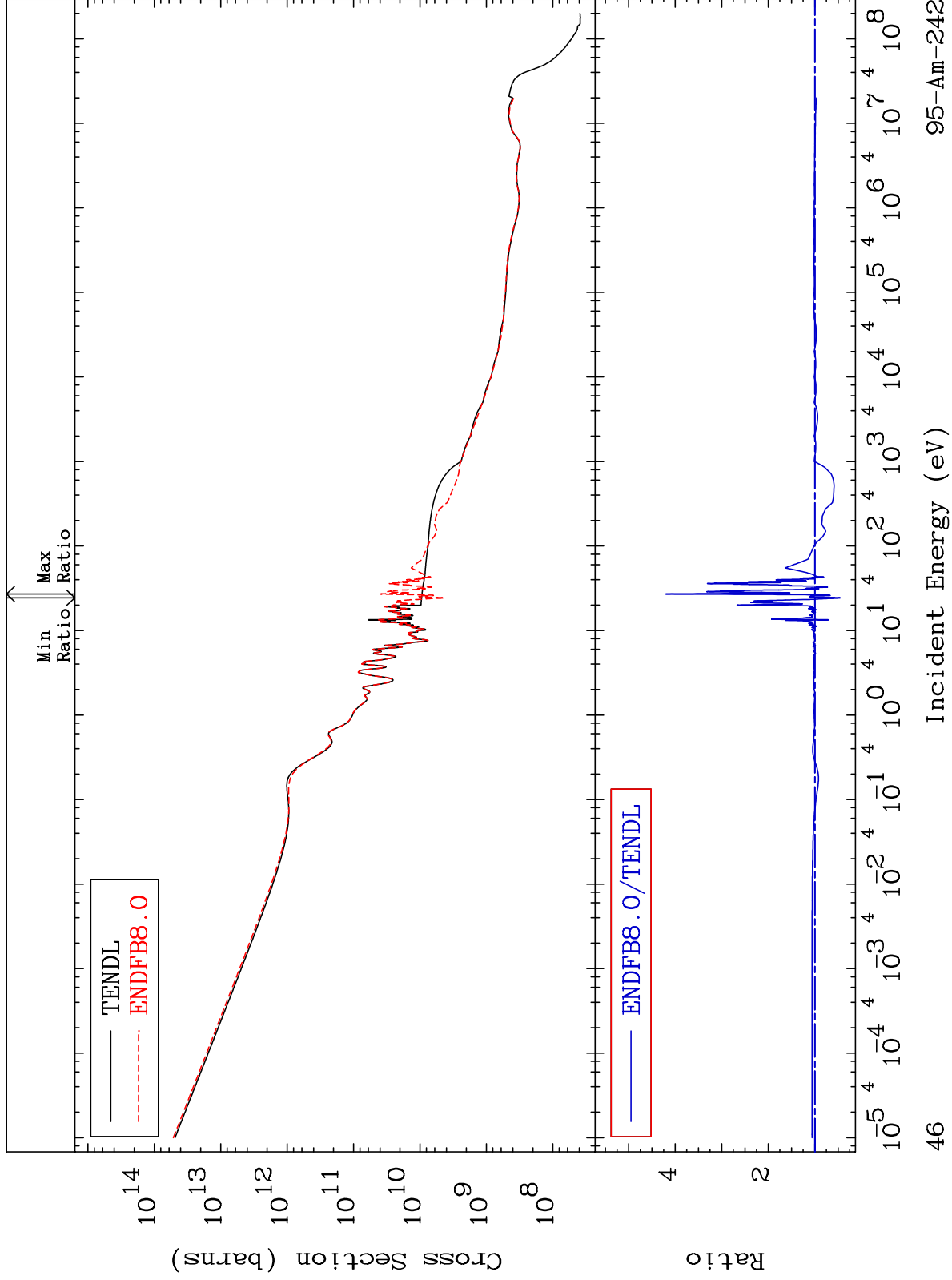
Incident Energy (eV)

95-Am-242

MAT 9547

Total kinematic kerma (high limit)  
Cross Section

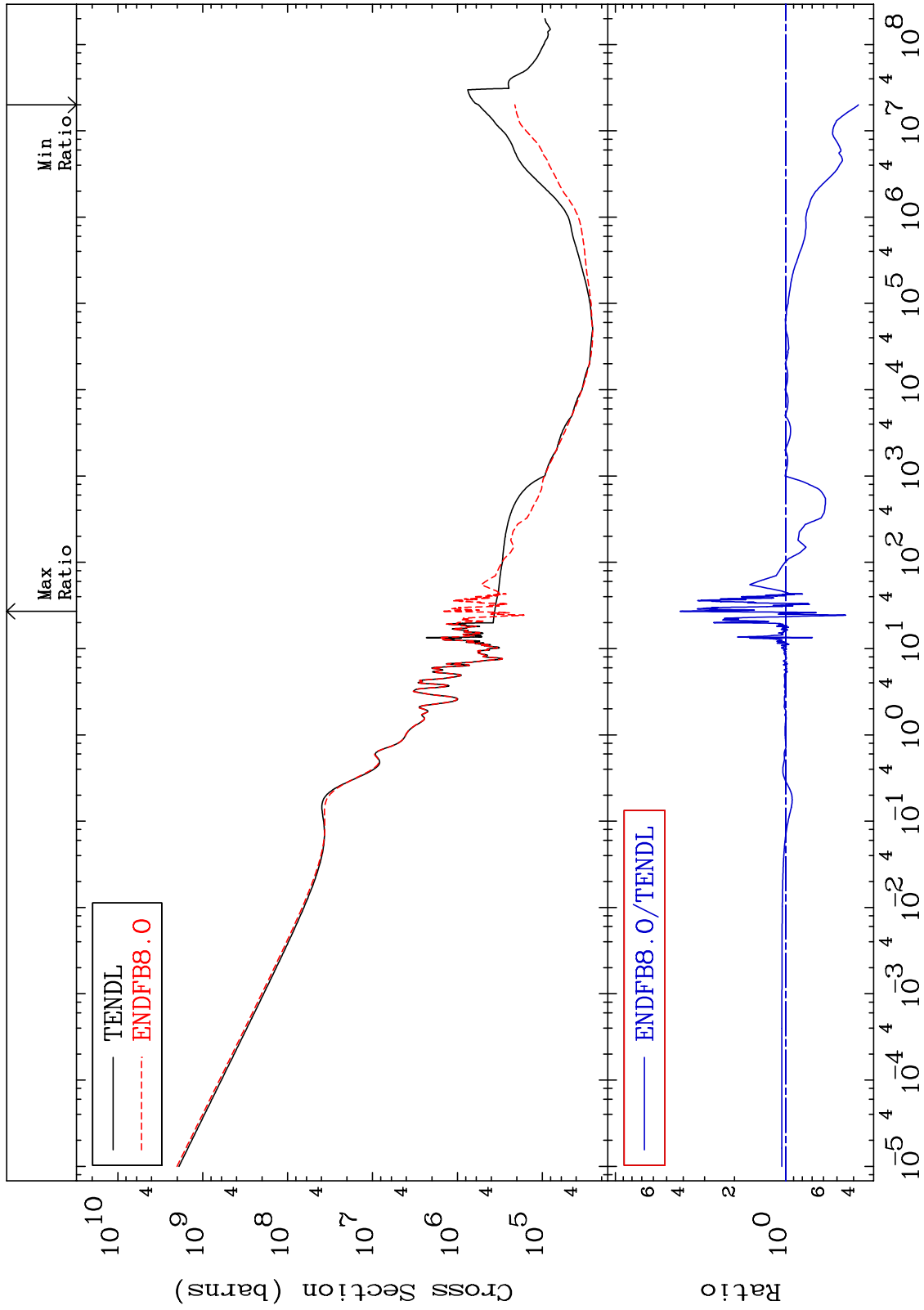
95-Am-242  
-55.36 To 320.1 %



MAT 9547

Dpa total (eV-barns)  
Cross Section

95-Am-242  
-62.59 To 317.8 %



47

Incident Energy (eV)

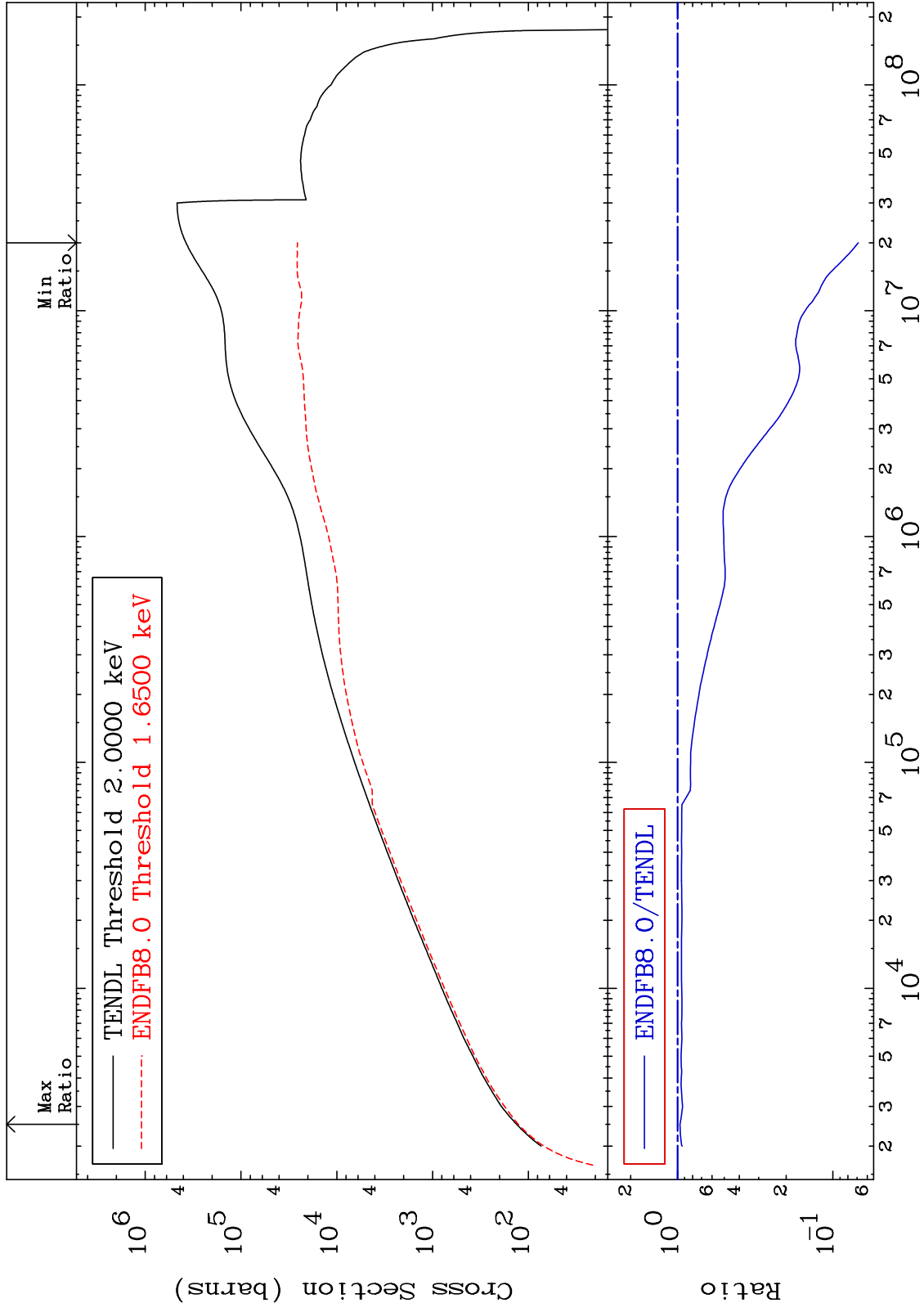
95-Am-242



MAT 9547

Dpa elastic (mt2)  
Cross Section

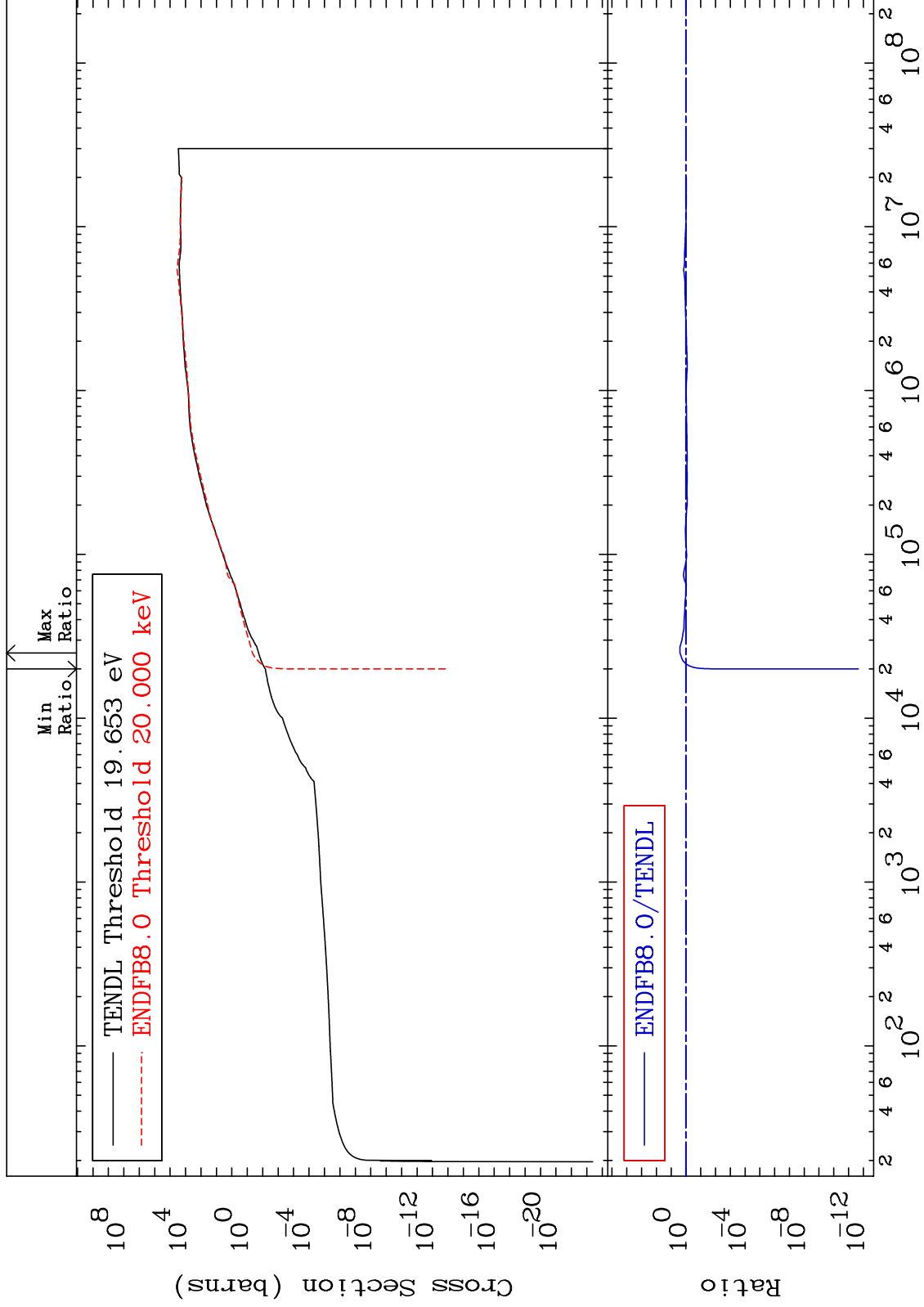
95-Am-242  
-93.15 To -3.681%



MAT 9547

Dpa inelastic (mt51-91)  
Cross Section

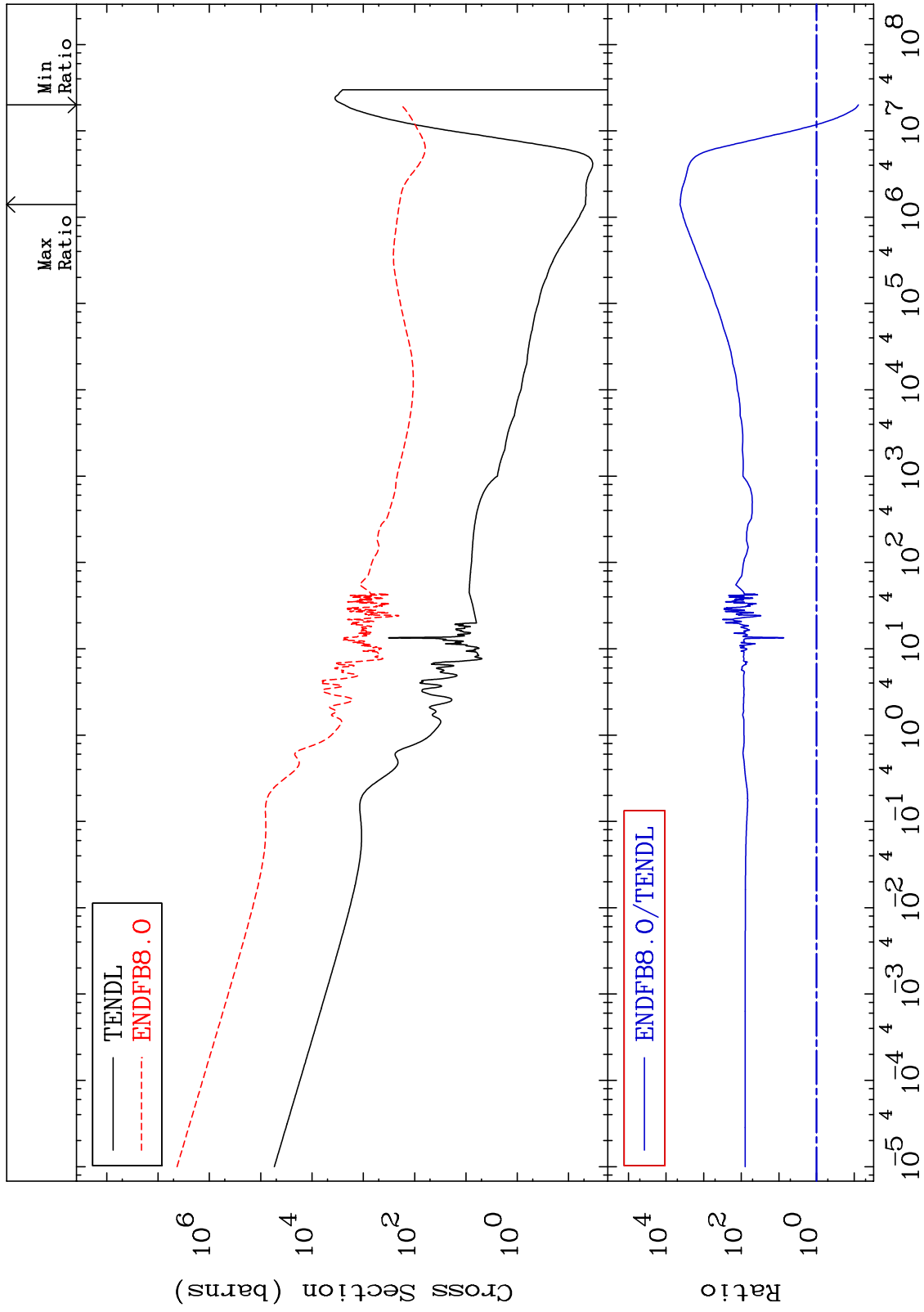
95-Am-242  
-100.0 To 150.7 %



MAT 9547

Dpa disappearance (mt102 -120)  
Cross Section

95-Am-242  
-92.29 To 9999. %



50

Incident Energy (eV)

95-Am-242