

Program Complot  
(Version 2018-1)

by

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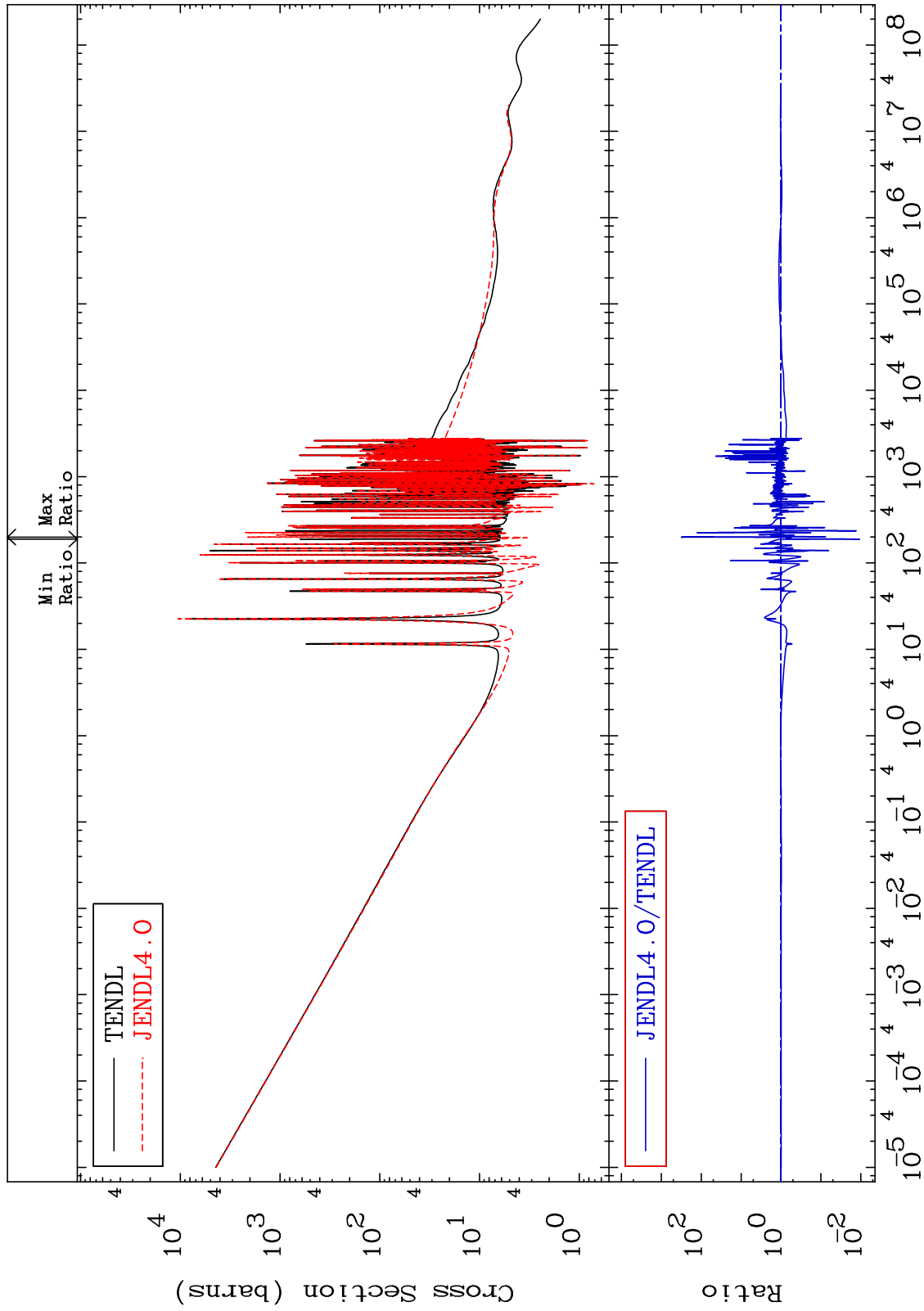
Press Mouse Button to Start

MAT 6431

Total  
Cross Section

64-Gd-154

-98.94 To 9999. %



1

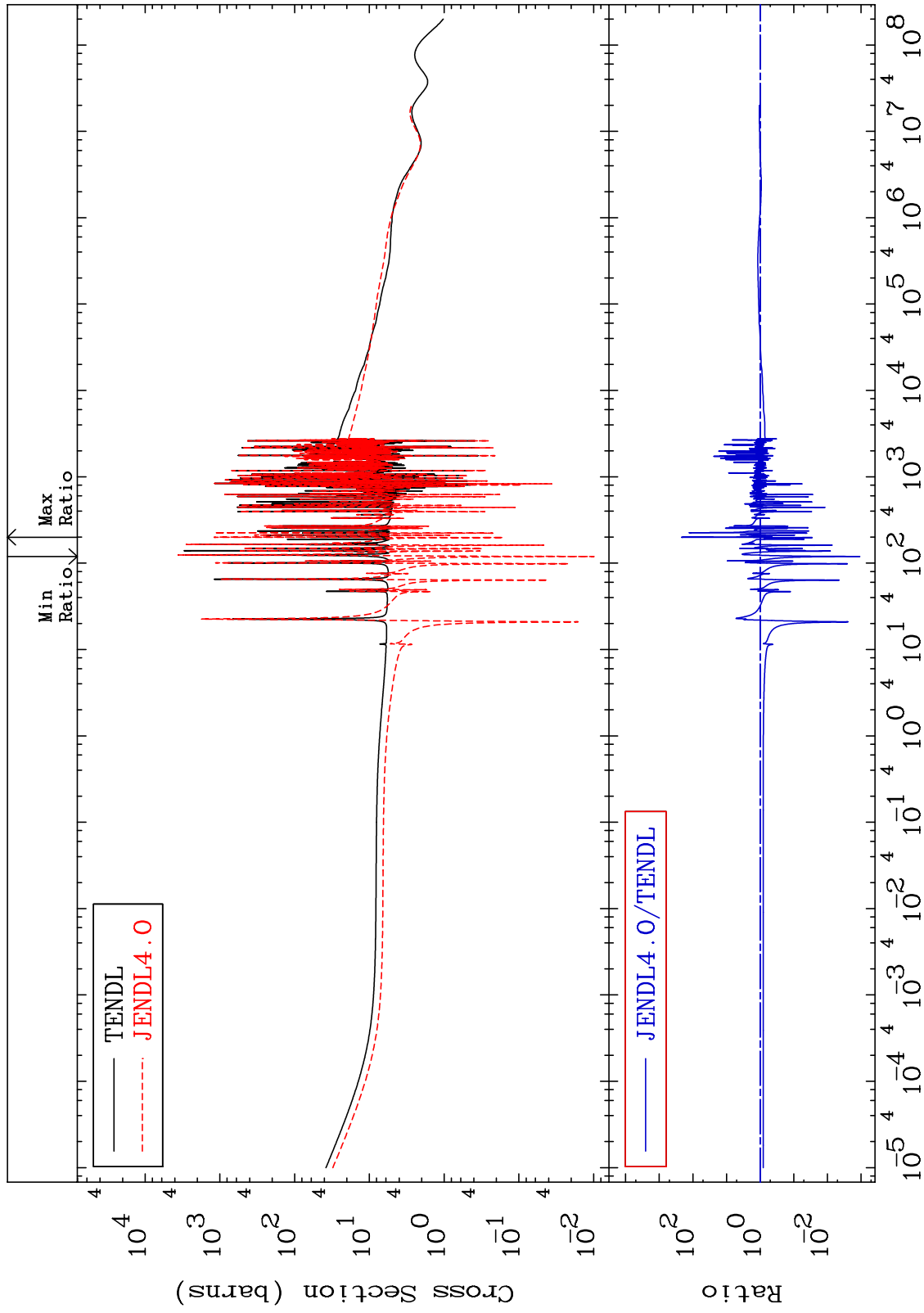
Incident Energy (eV)

64-Gd-154

MAT 6431

Elastic  
Cross Section

64-Gd-154  
-99.89 To 9999. %

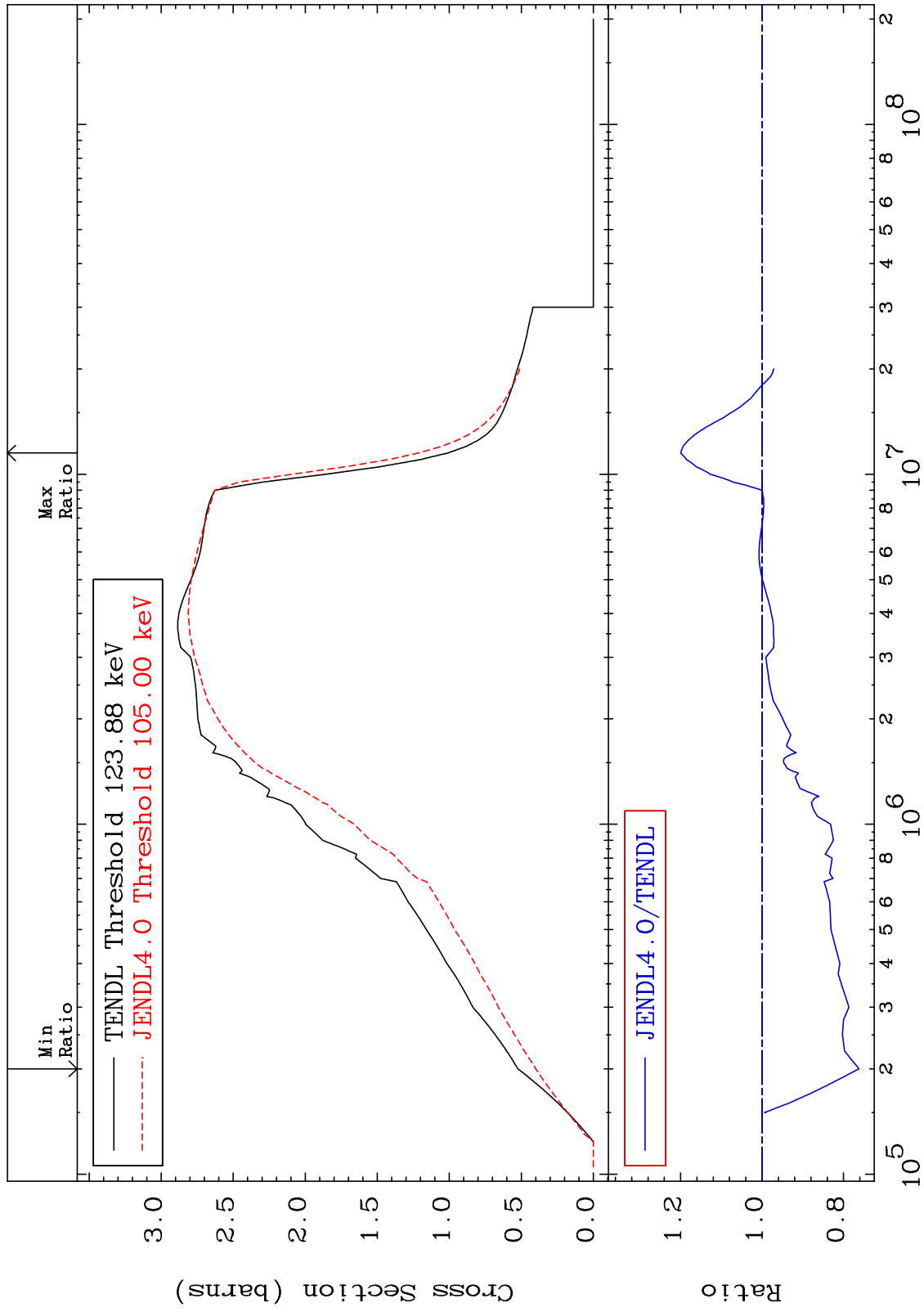


2

Incident Energy (eV)

64-Gd-154

MAT 6431 Inelastic Cross Section 64-Gd-154 -23.79 To 19.99 %

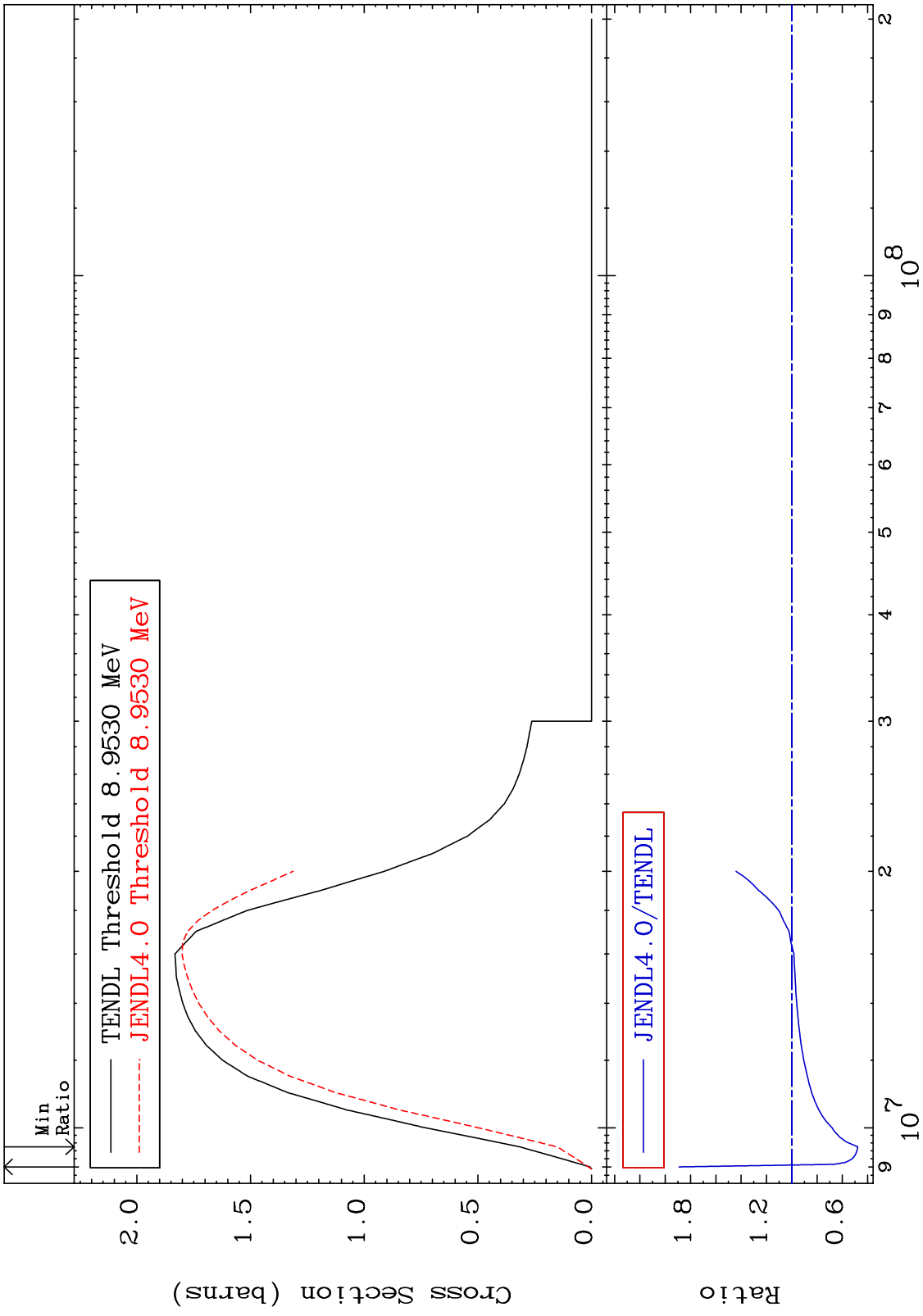


64-Gd-154

Incident Energy (eV)

3

MAT 6431 (n,2n) Cross Section 64-Gd-154 -52.24 To 89.07 %



4 64-Gd-154 Incident Energy (eV)

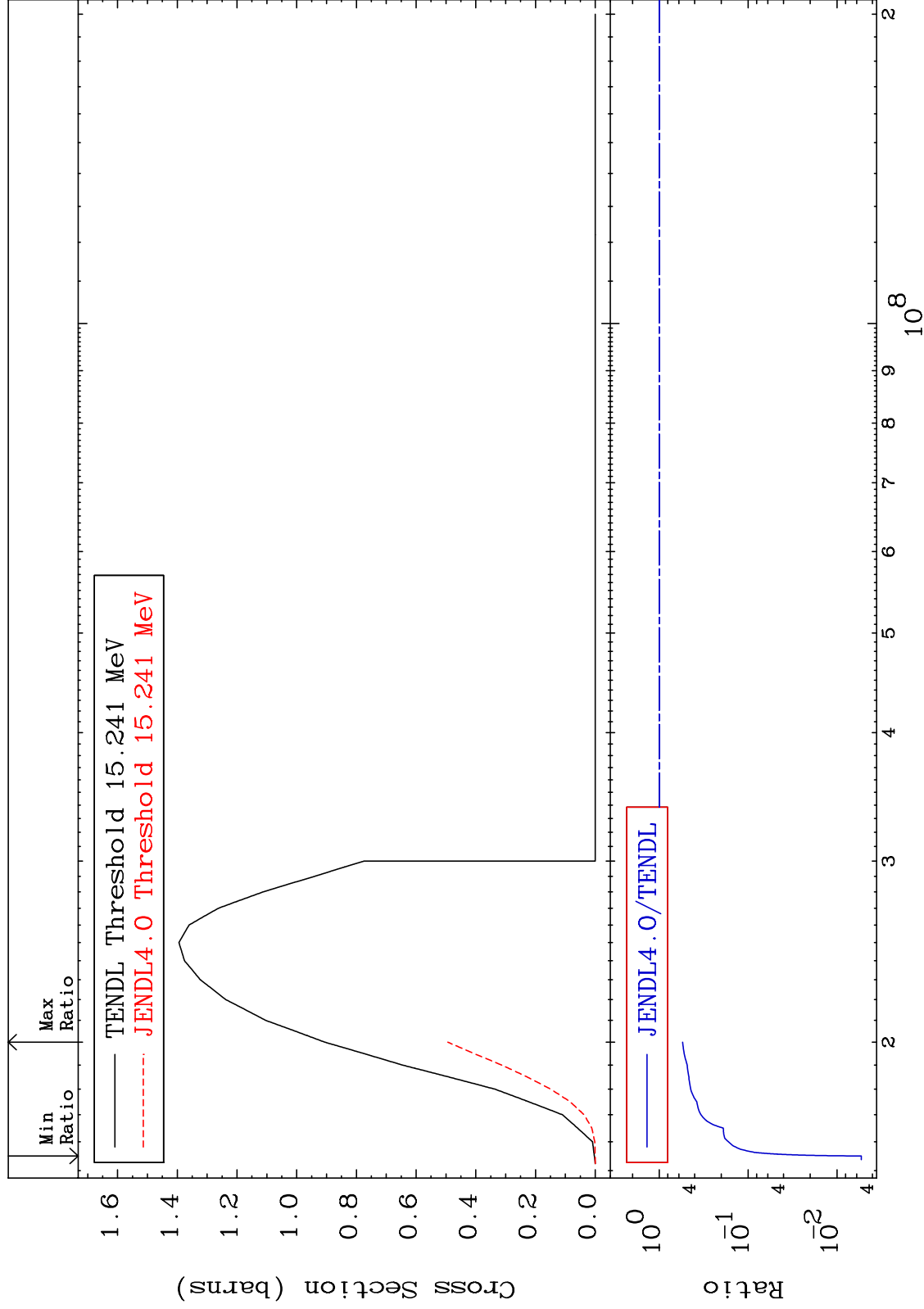
MAT 6431

(n,3n)

64-Gd-154

Cross Section

-99.47 To -45.51%



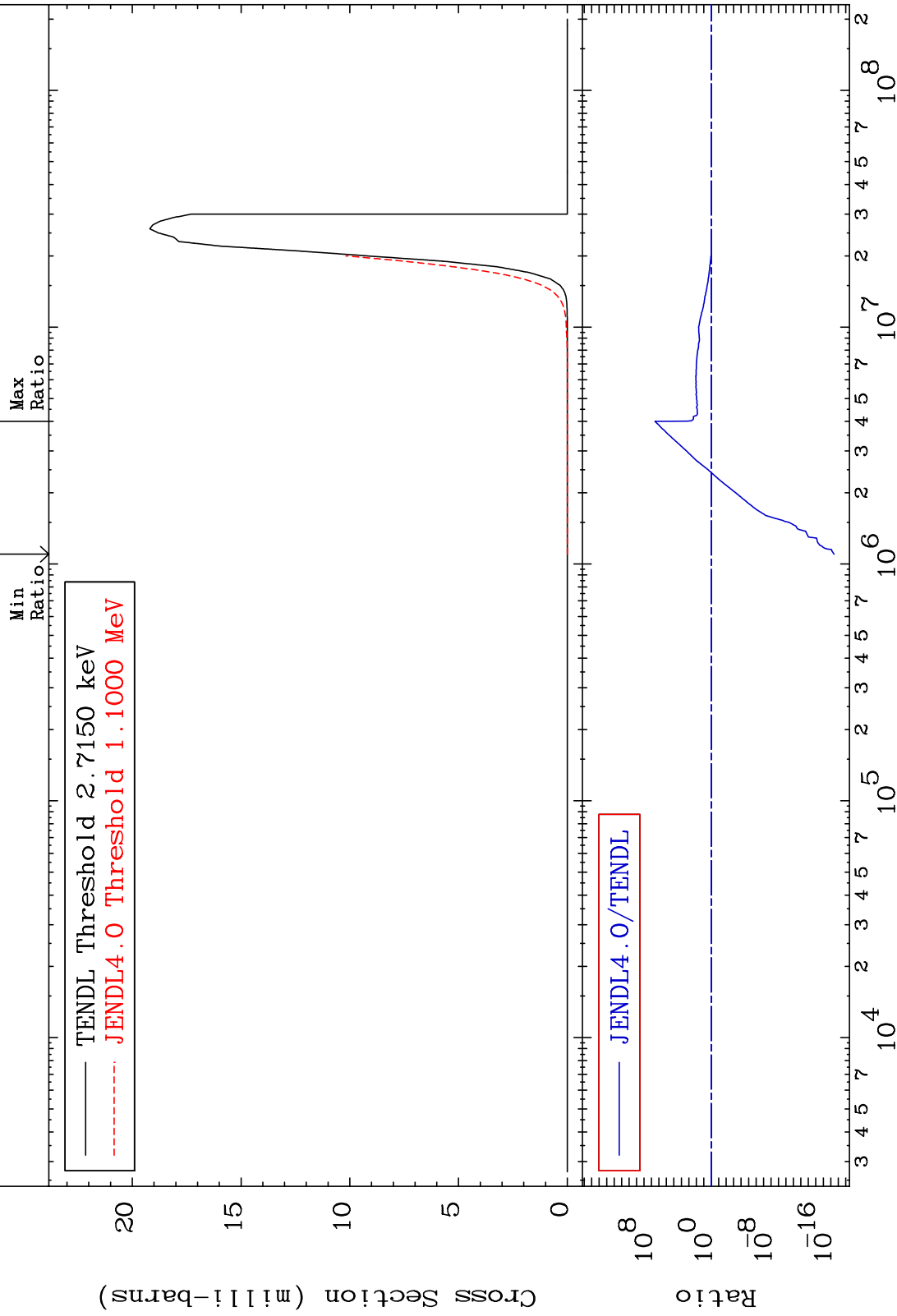
MAT 6431

(n, n')  $\alpha$

64-Gd-154

-100.0 To 9999. %

Cross Section



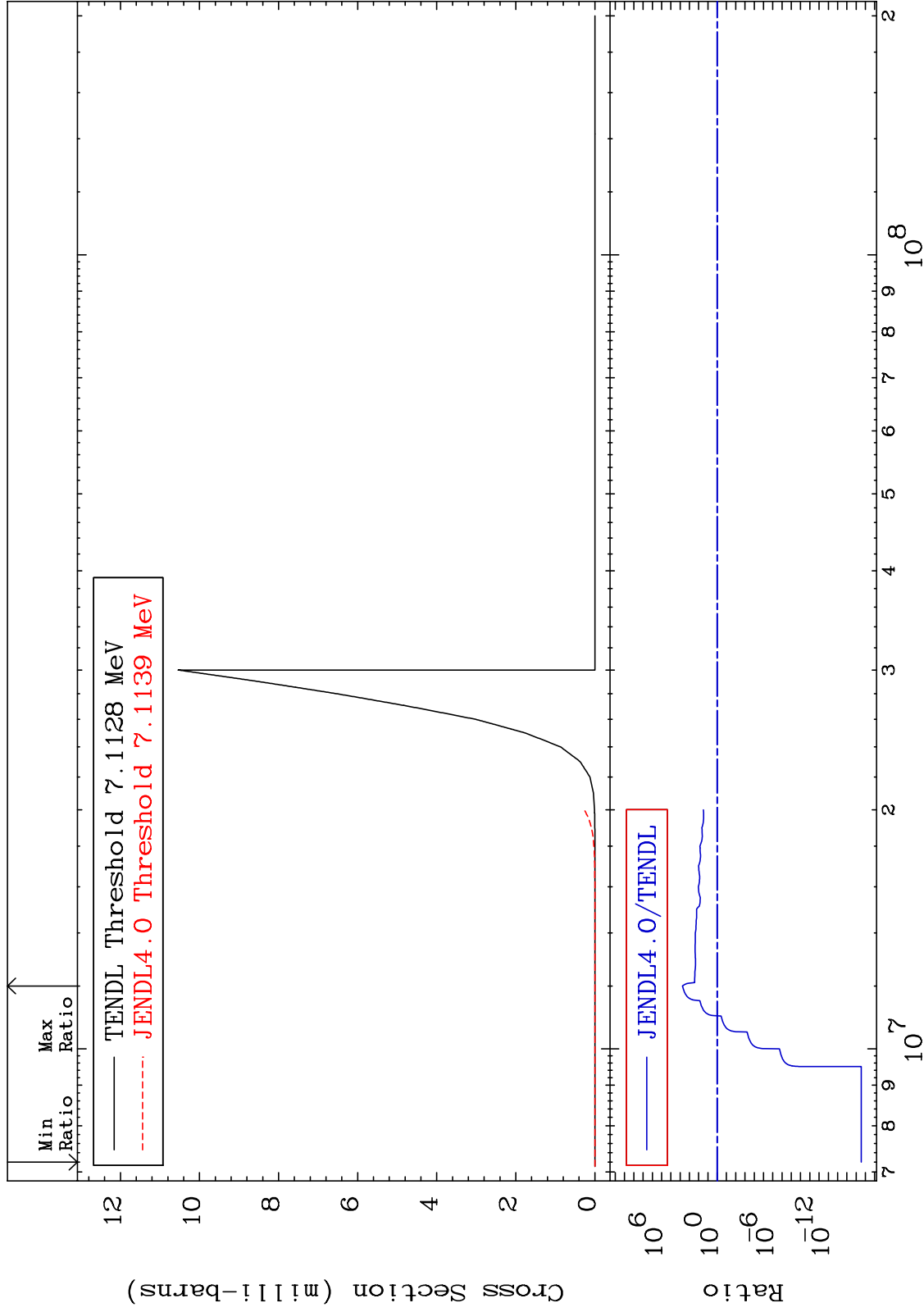
MAT 6431

(n,2n)  $\alpha$

64-Gd-154

-100.0 To 9999. %

Cross Section



7

Incident Energy (eV)

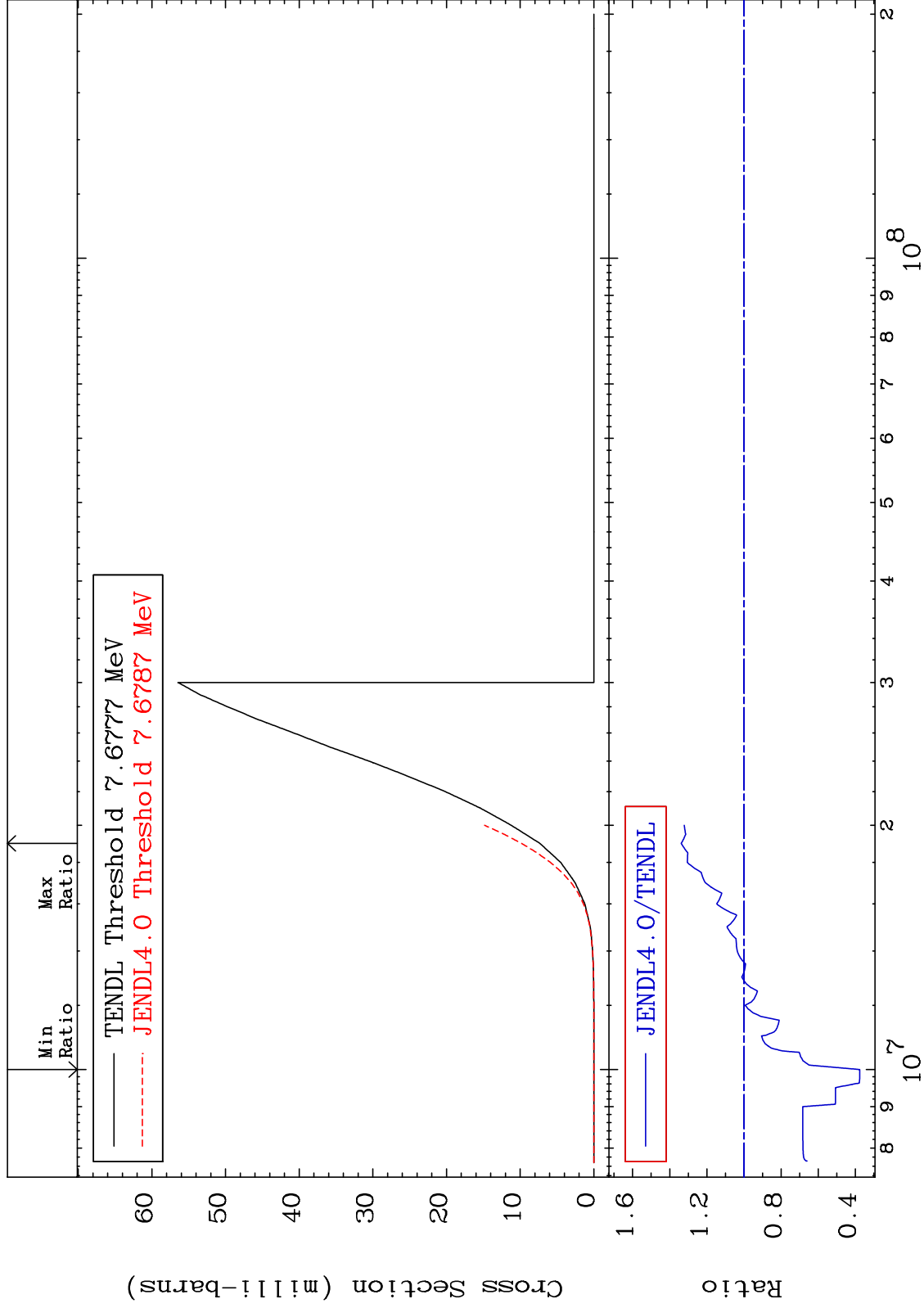
64-Gd-154



MAT 6431

(n,n') p  
Cross Section

64-Gd-154  
-62.36 To 33.79 %



8

Incident Energy (eV)

64-Gd-154

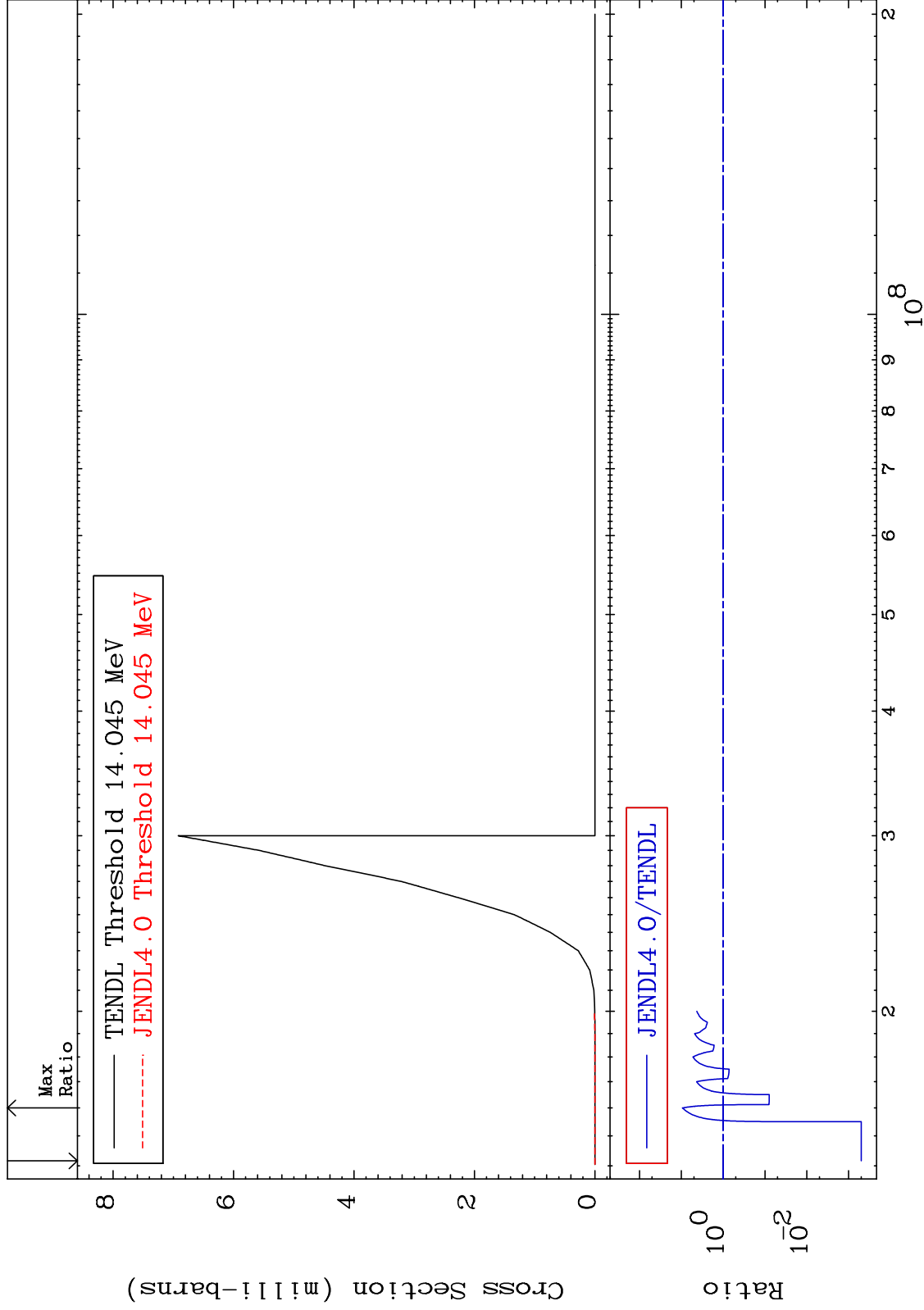
MAT 6431

(n, n') d

64-Gd-154

Cross Section

-99.95 To 837.5 %

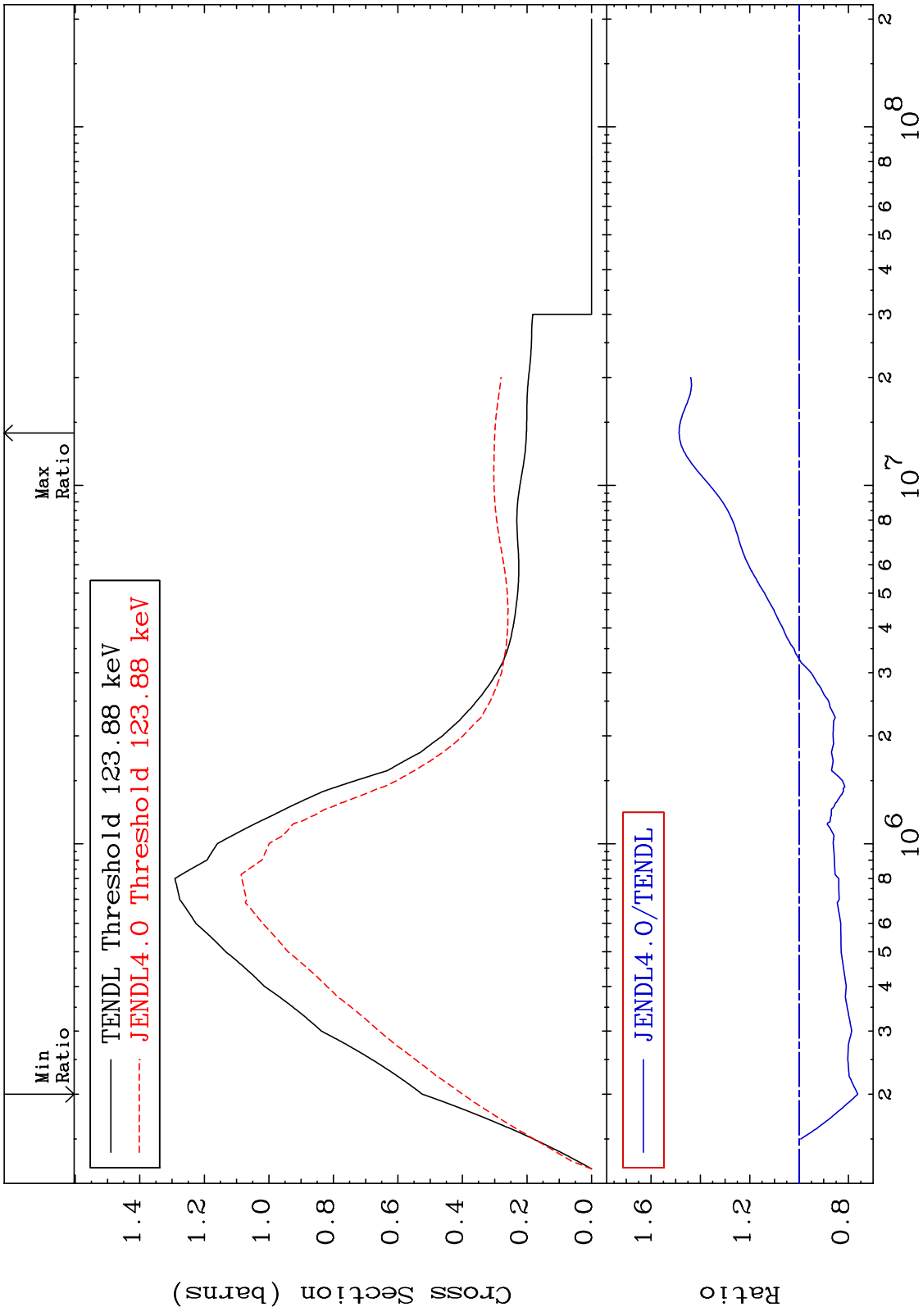


9

Incident Energy (eV)

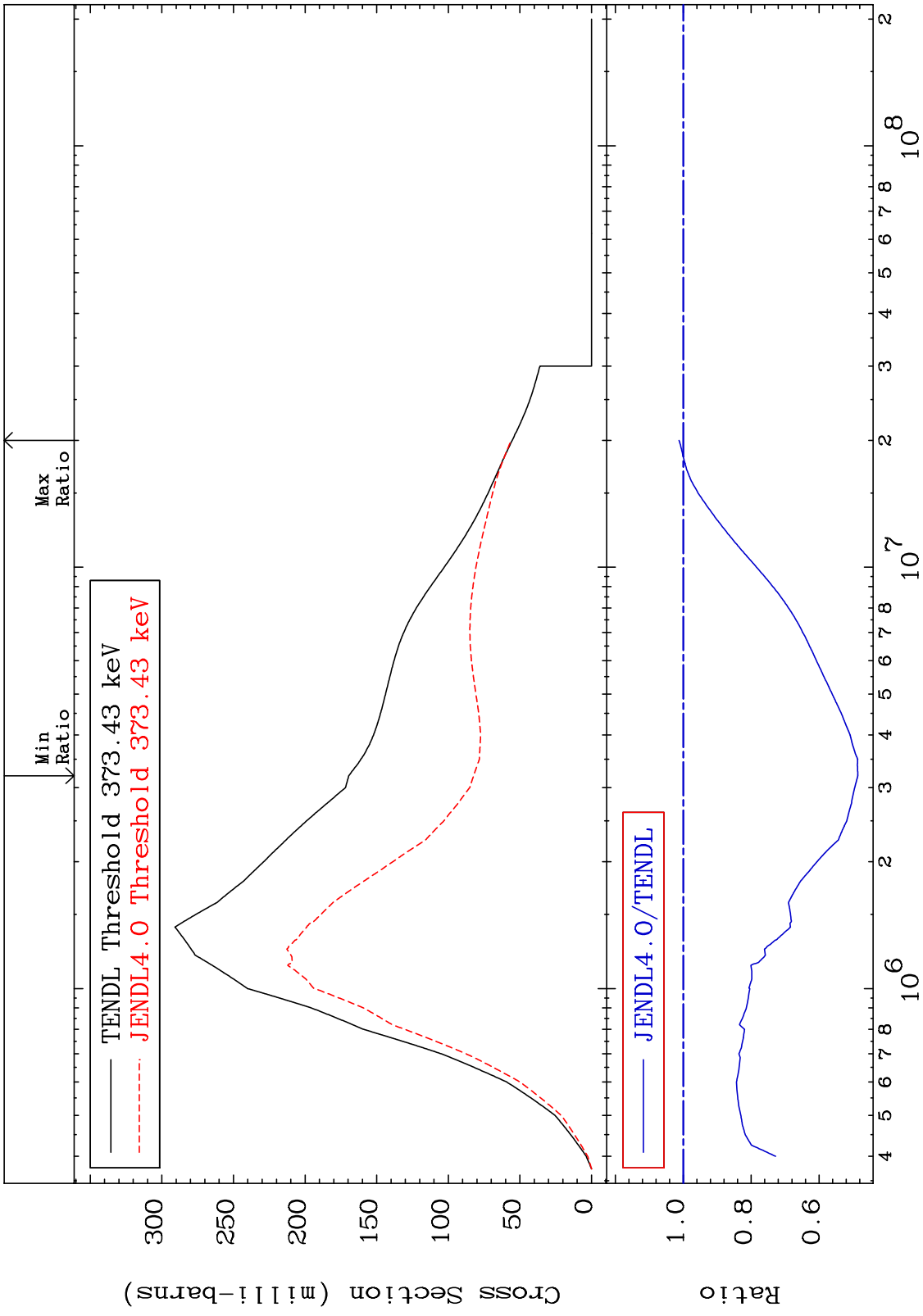
64-Gd-154

MAT 6431 MT= 51 (n,n') Level Cross Section 64-Gd-154  
 -23.80 To 48.64 %

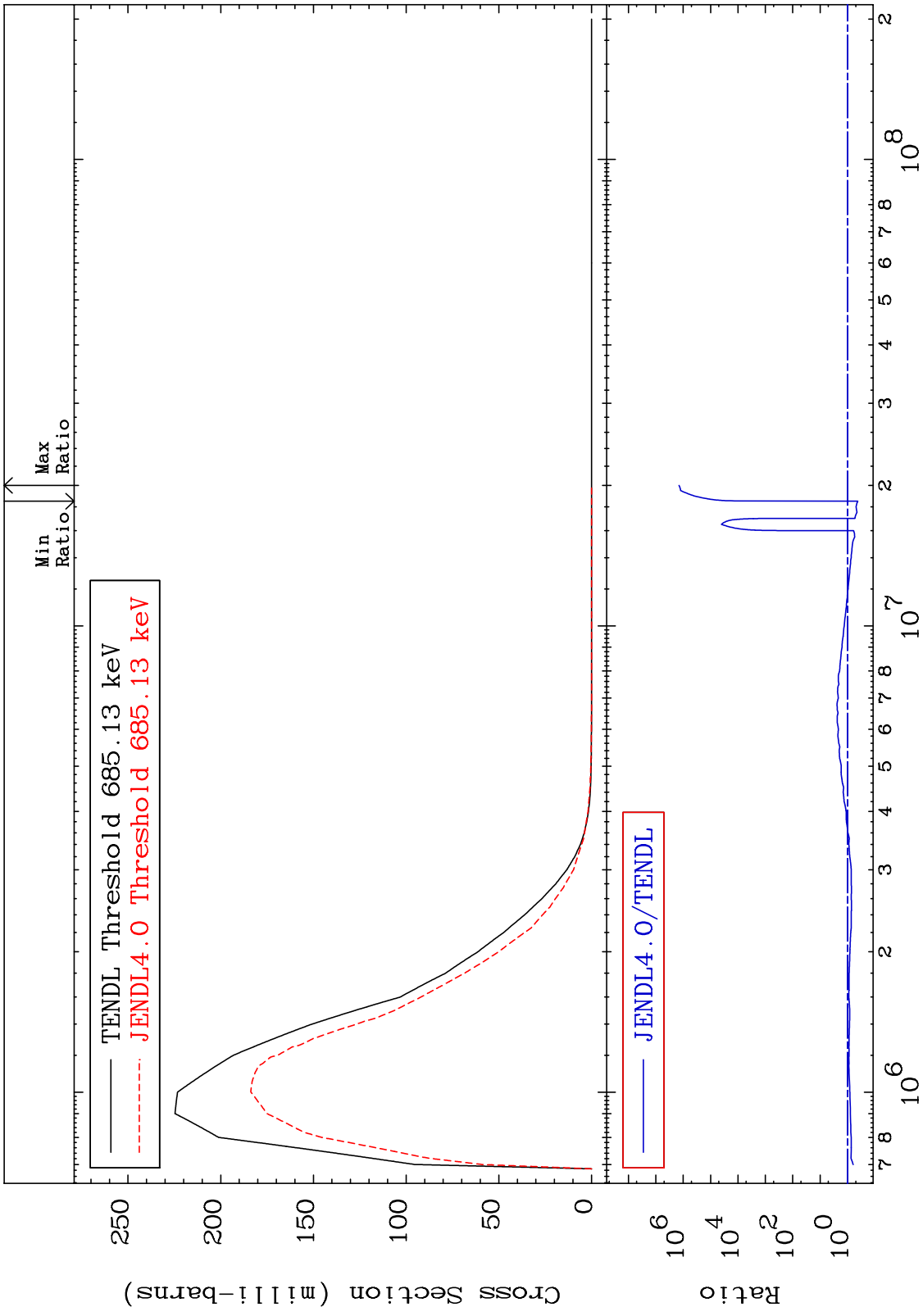


10 64-Gd-154

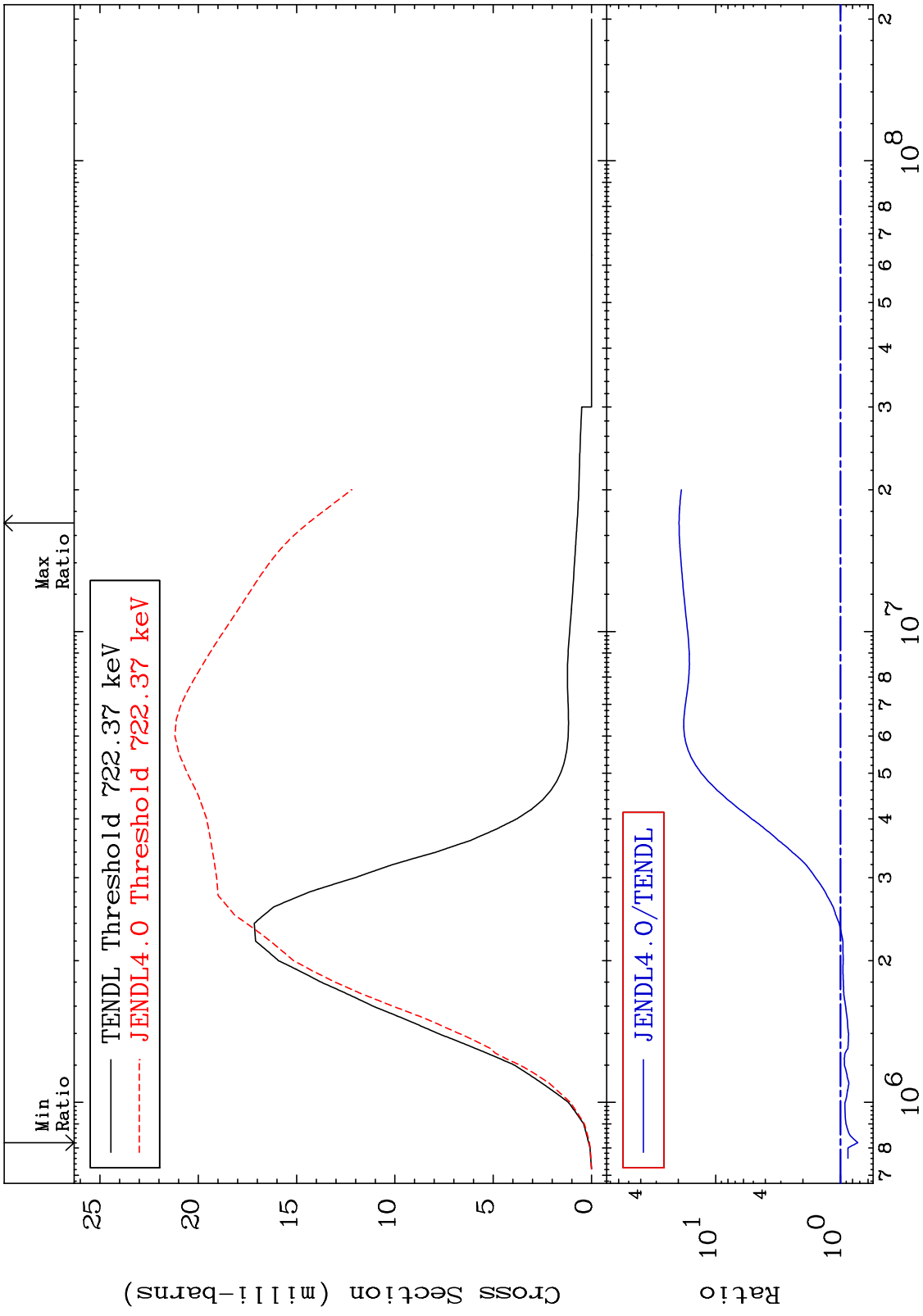
MAT 6431 MT= 52 (n,n') Level Cross Section 64-Gd-154 -51.42 To 1.240 %



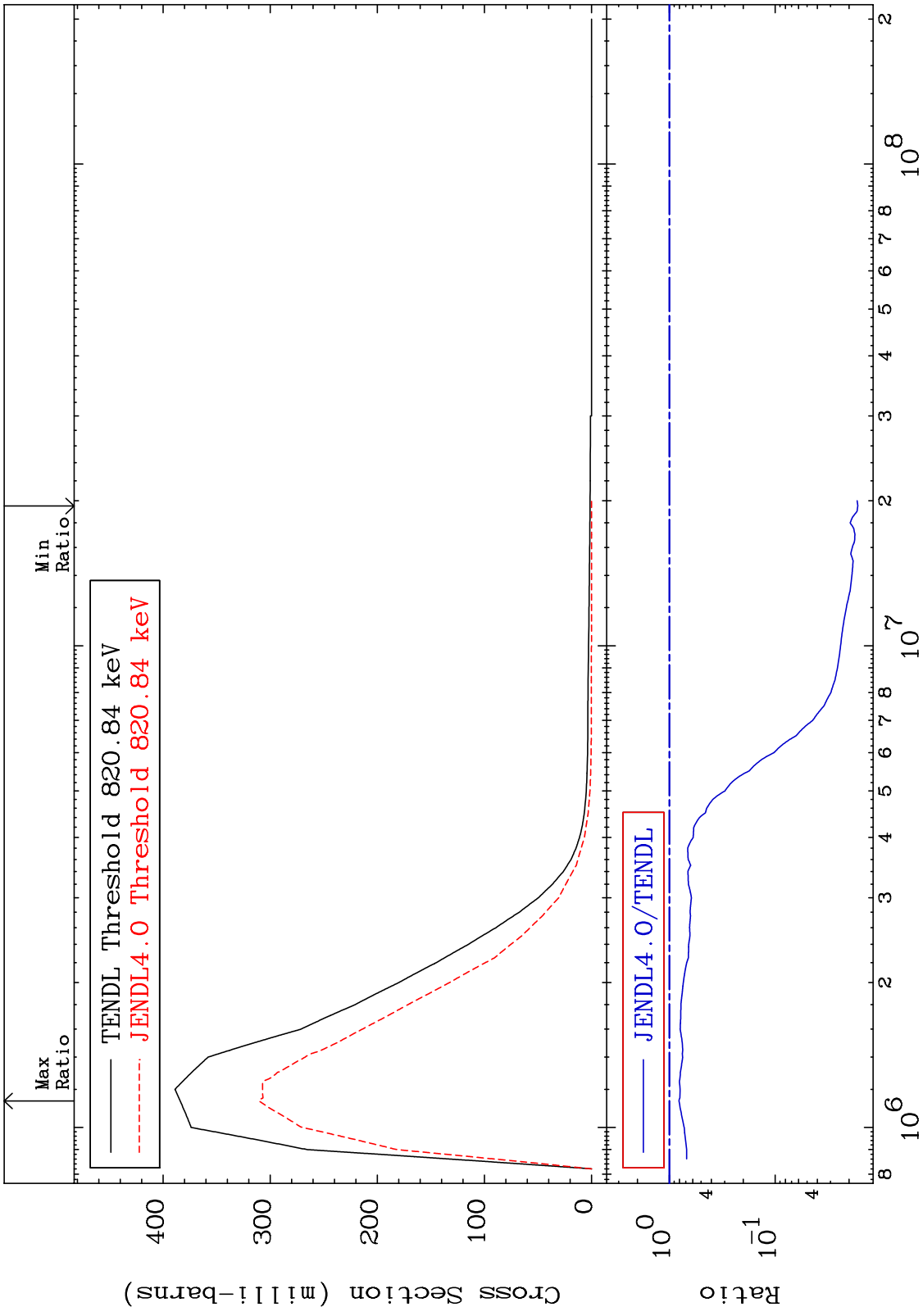
MAT 6431 MT= 53 (n,n') Level Cross Section 64-Gd-154  
 -58.12 To 9999. %



MAT 6431 MT= 54 (n,n') Level Cross Section 64-Gd-154  
 -27.47 To 1870. %

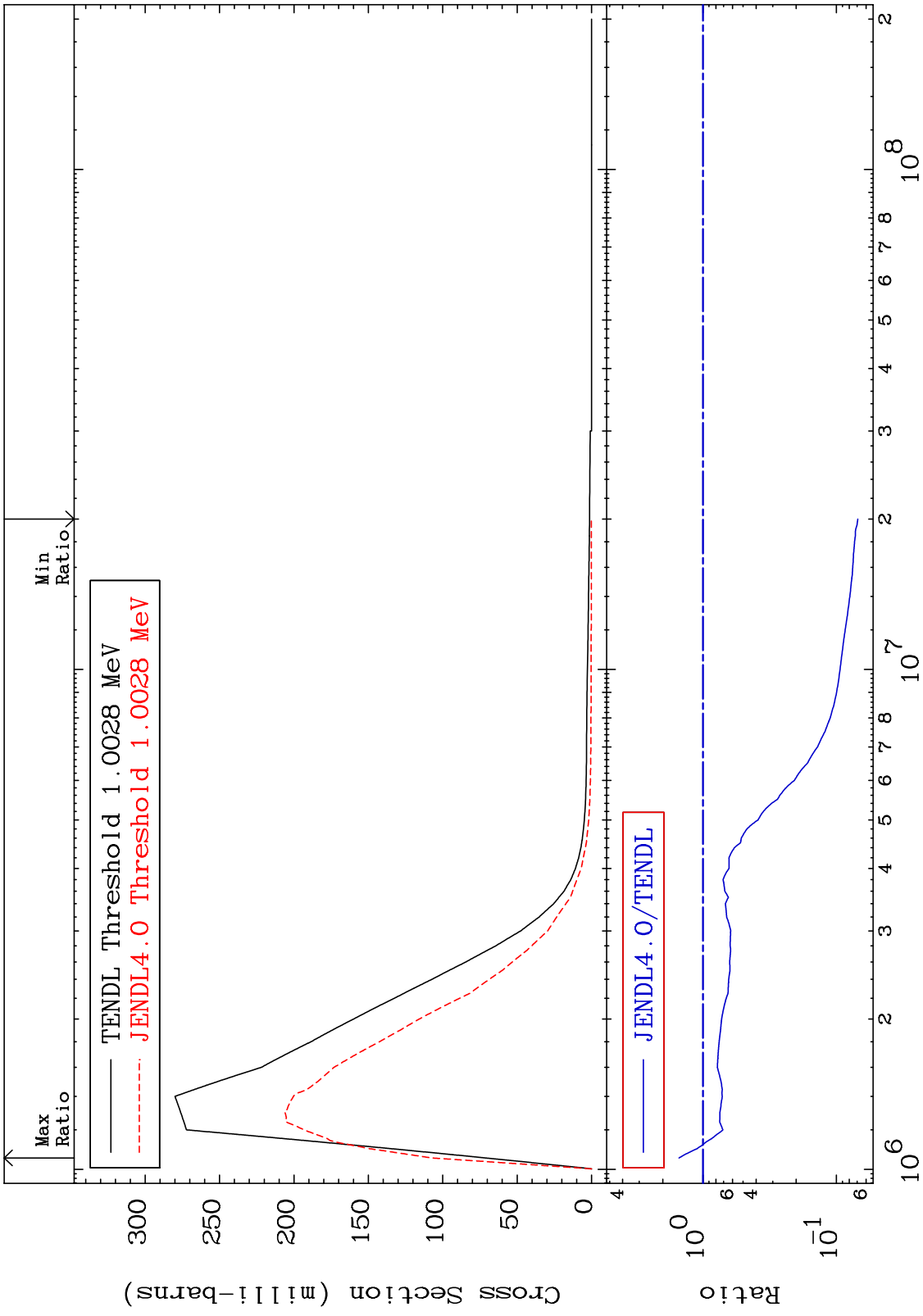


MAT 6431 MT= 55 (n,n') Level Cross Section 64-Gd-154 -98.35 To -19.17%



14 64-Gd-154 Incident Energy (eV)

MAT 6431 MT= 56 (n,n') Level Cross Section 64-Gd-154 -93.09 To 50.94 %



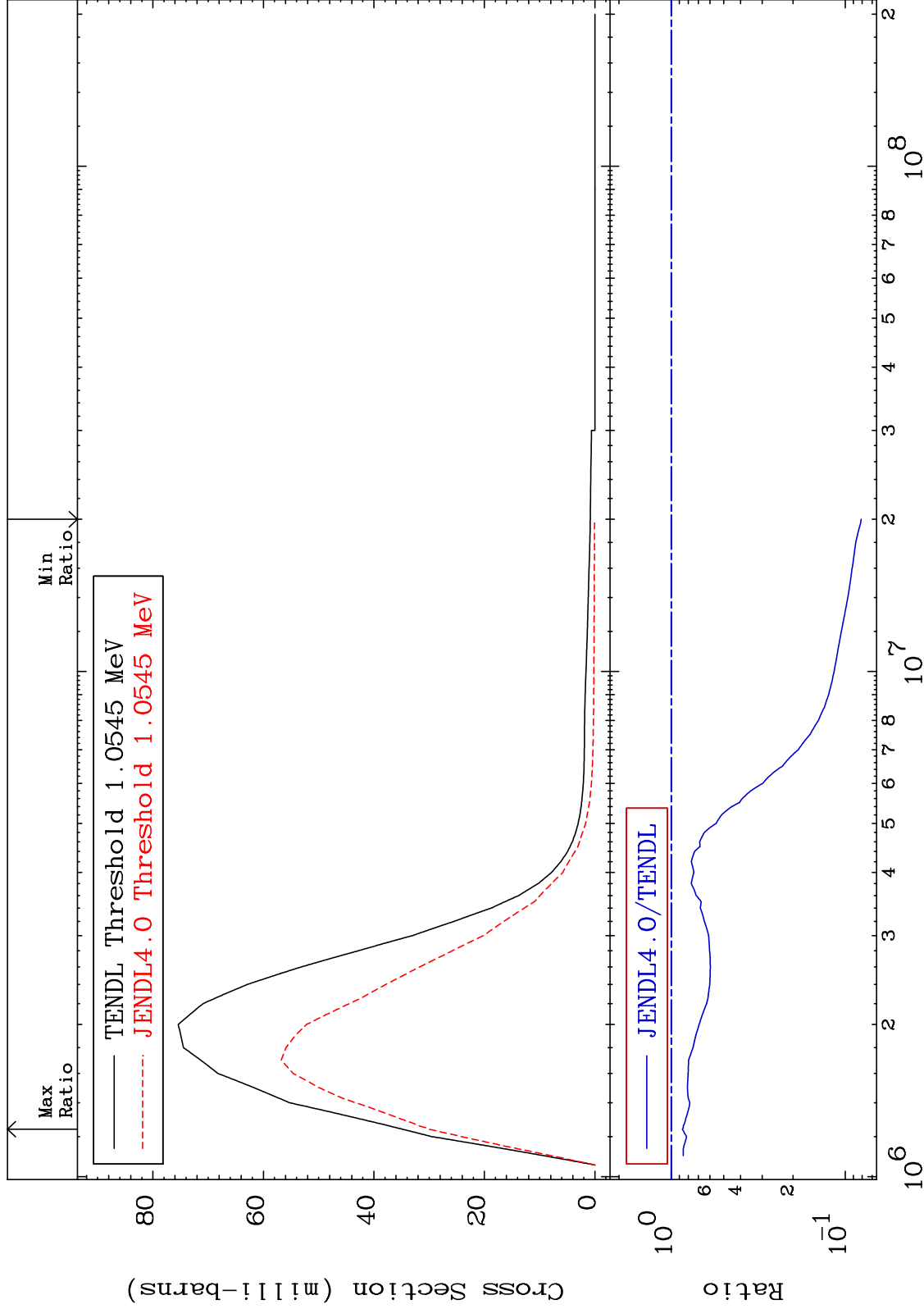
15 64-Gd-154



MAT 6431

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

64-Gd-154  
-91.91 To -13.70%

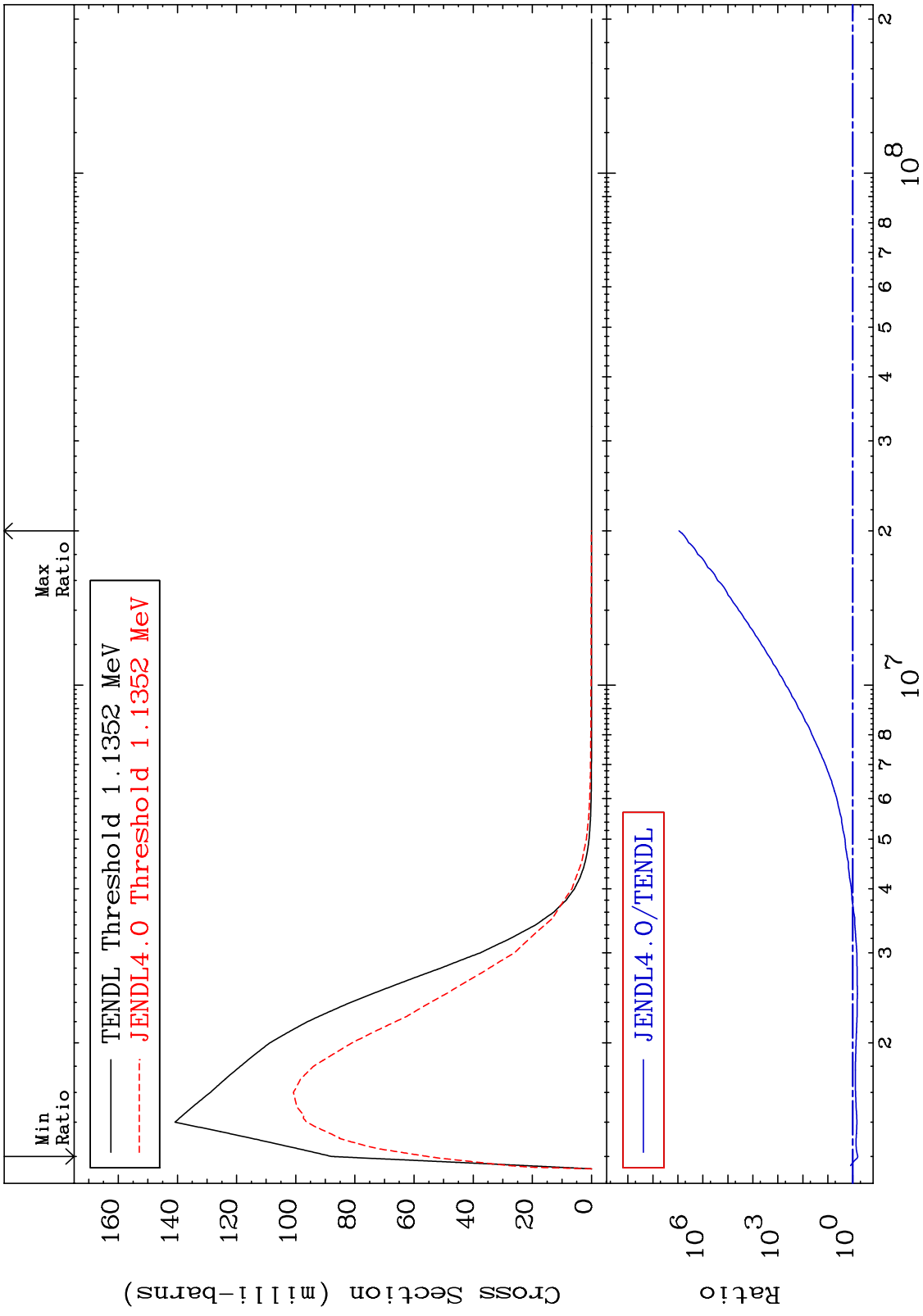


16

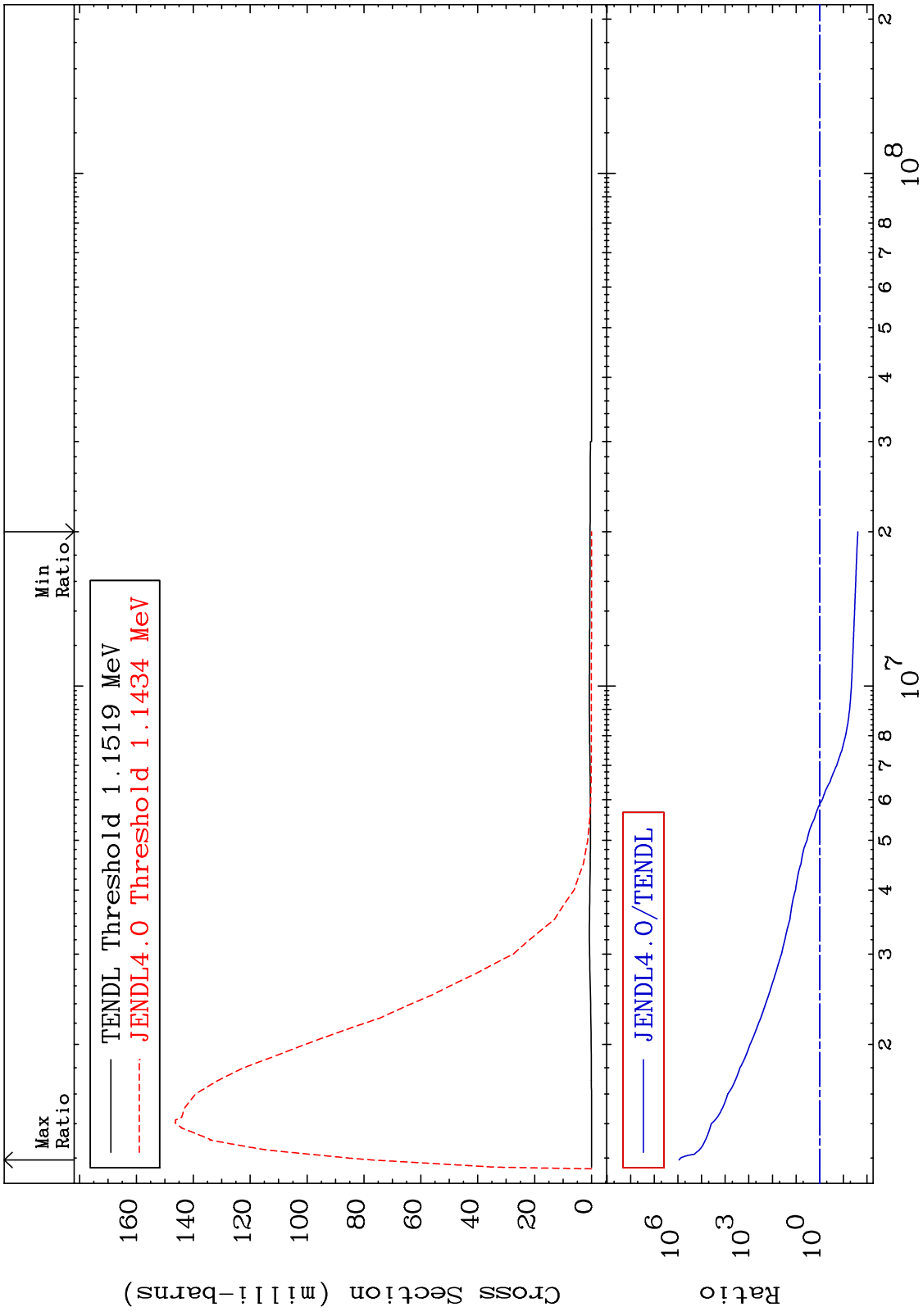
Incident Energy (eV)

64-Gd-154

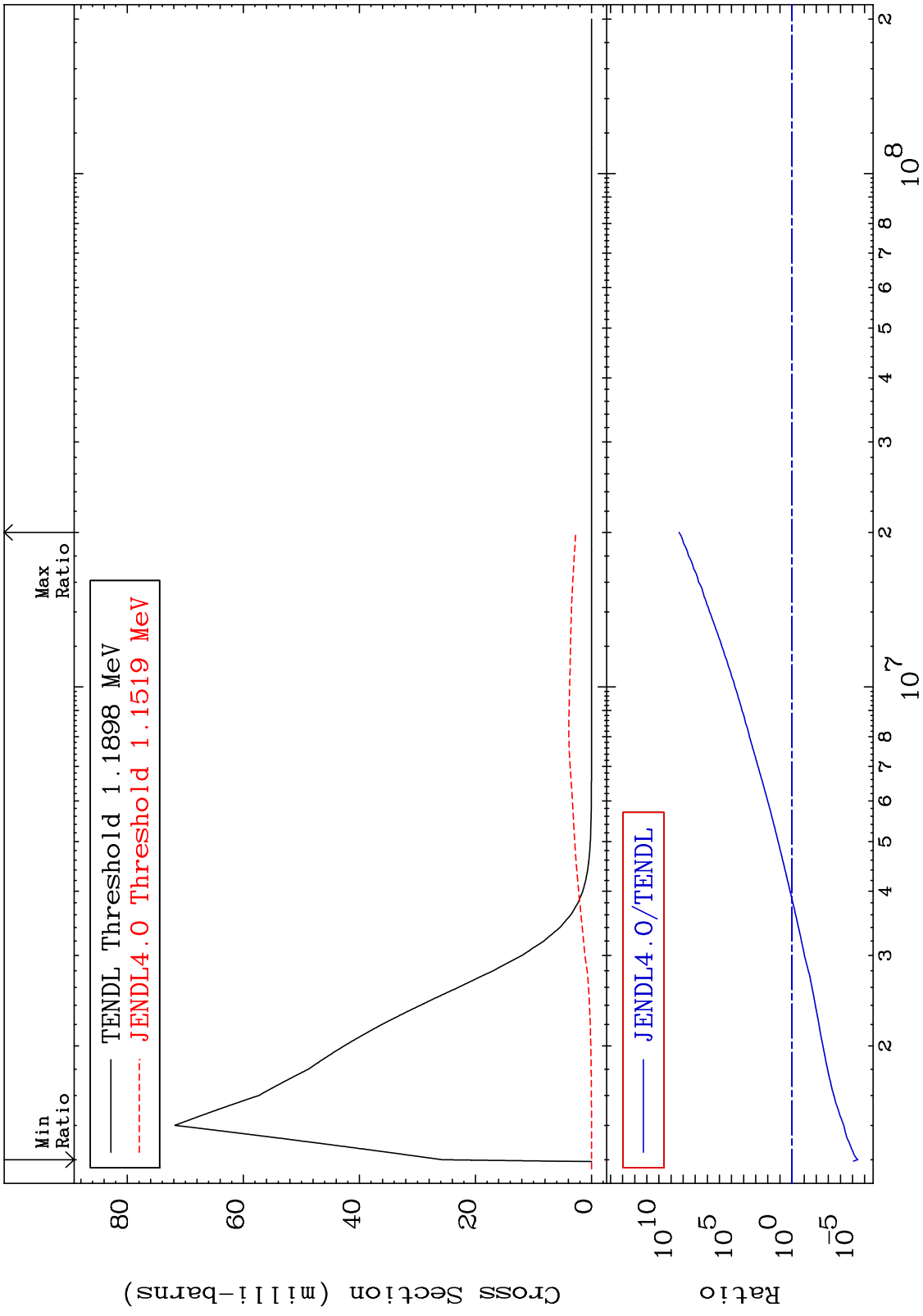
MAT 6431 MT= 58 (n,n') Level Cross Section 64-Gd-154  
 -36.91 To 9999. %



MAT 6431 MT= 59 (n,n') Level Cross Section 64-Gd-154 -97.57 To 9999. %



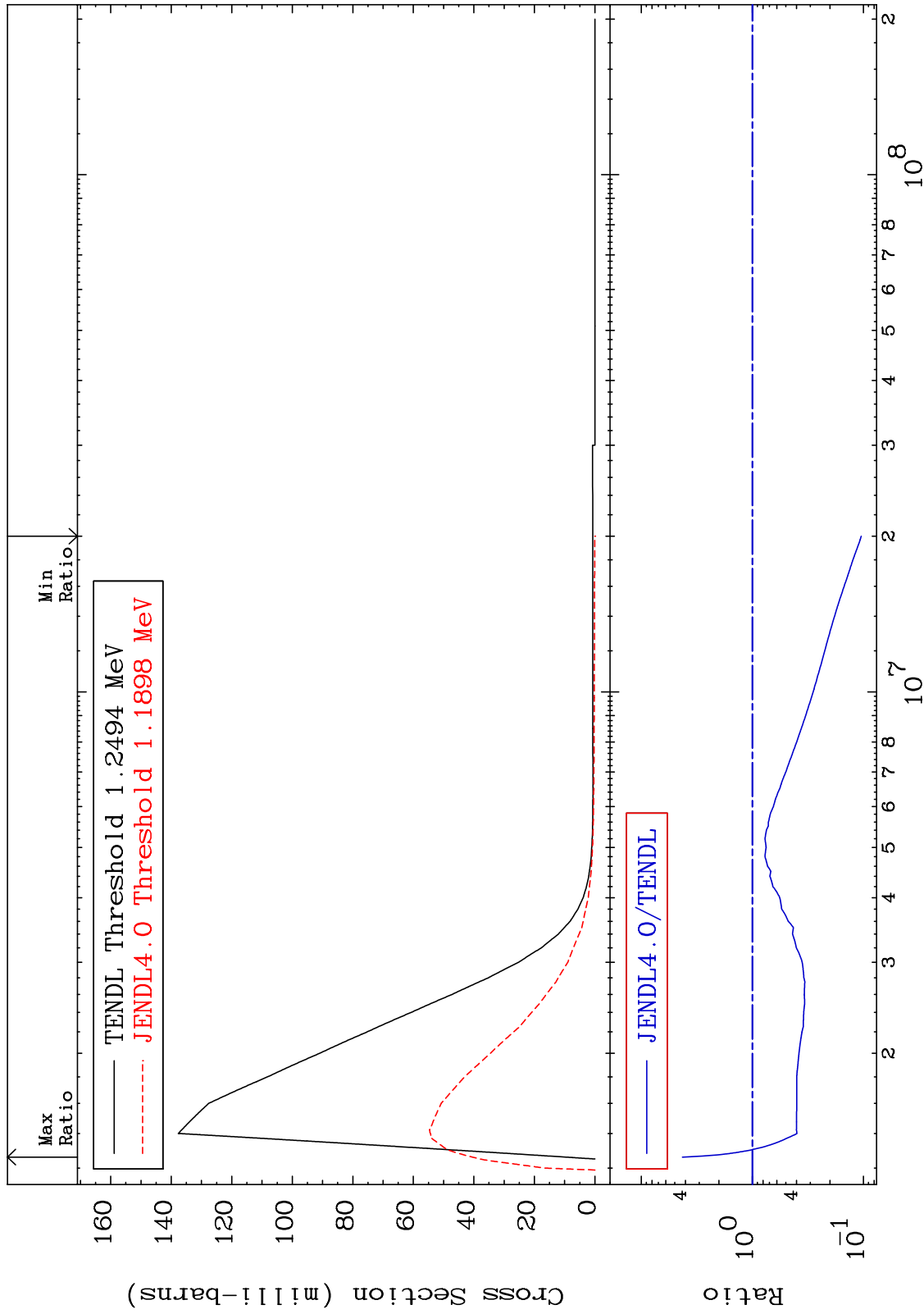
MAT 6431 MT= 60 (n,n') Level Cross Section 64-Gd-154  
 -100.0 To 9999. %



MAT 6431

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

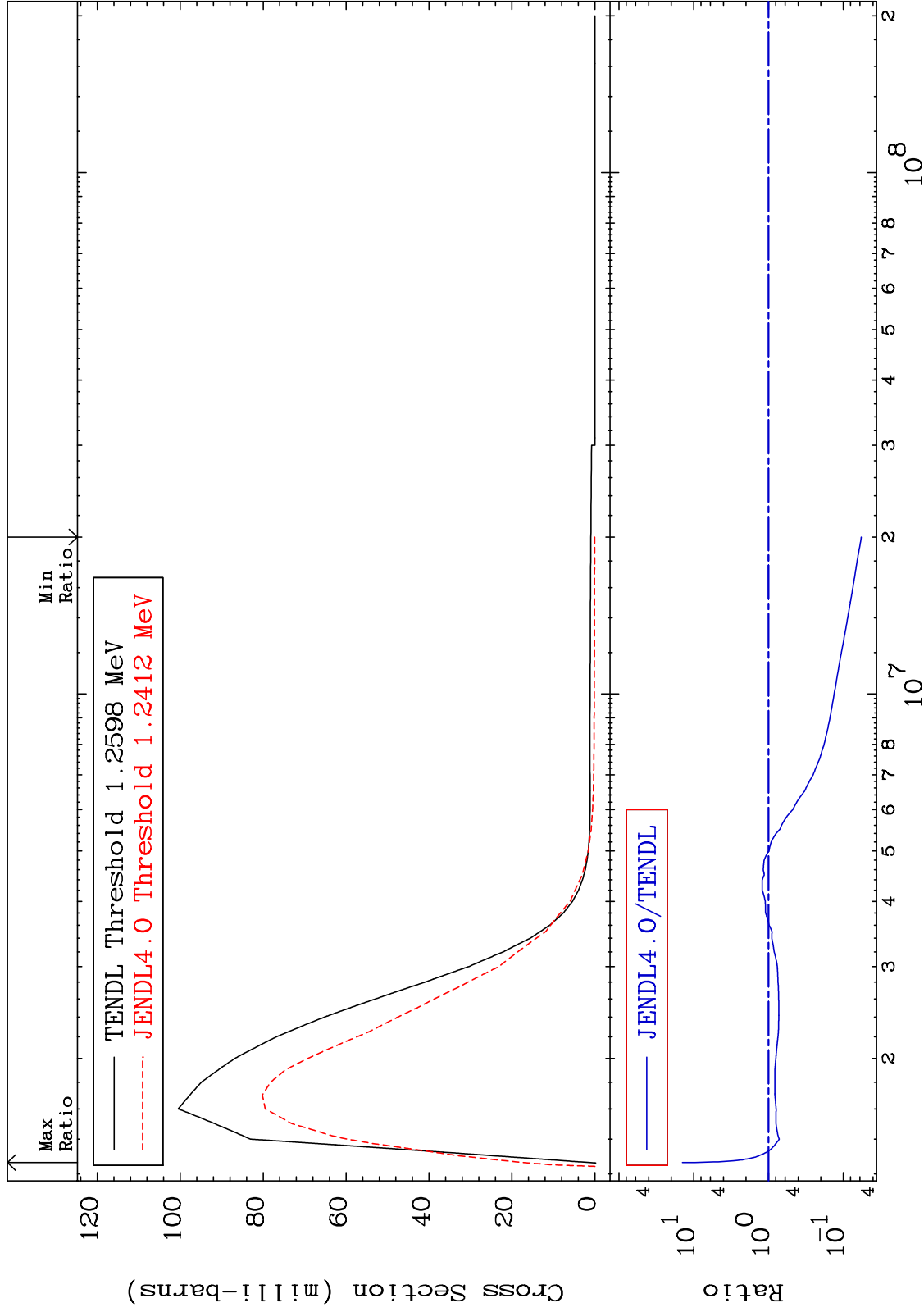
64-Gd-154  
-89.56 To 325.2 %



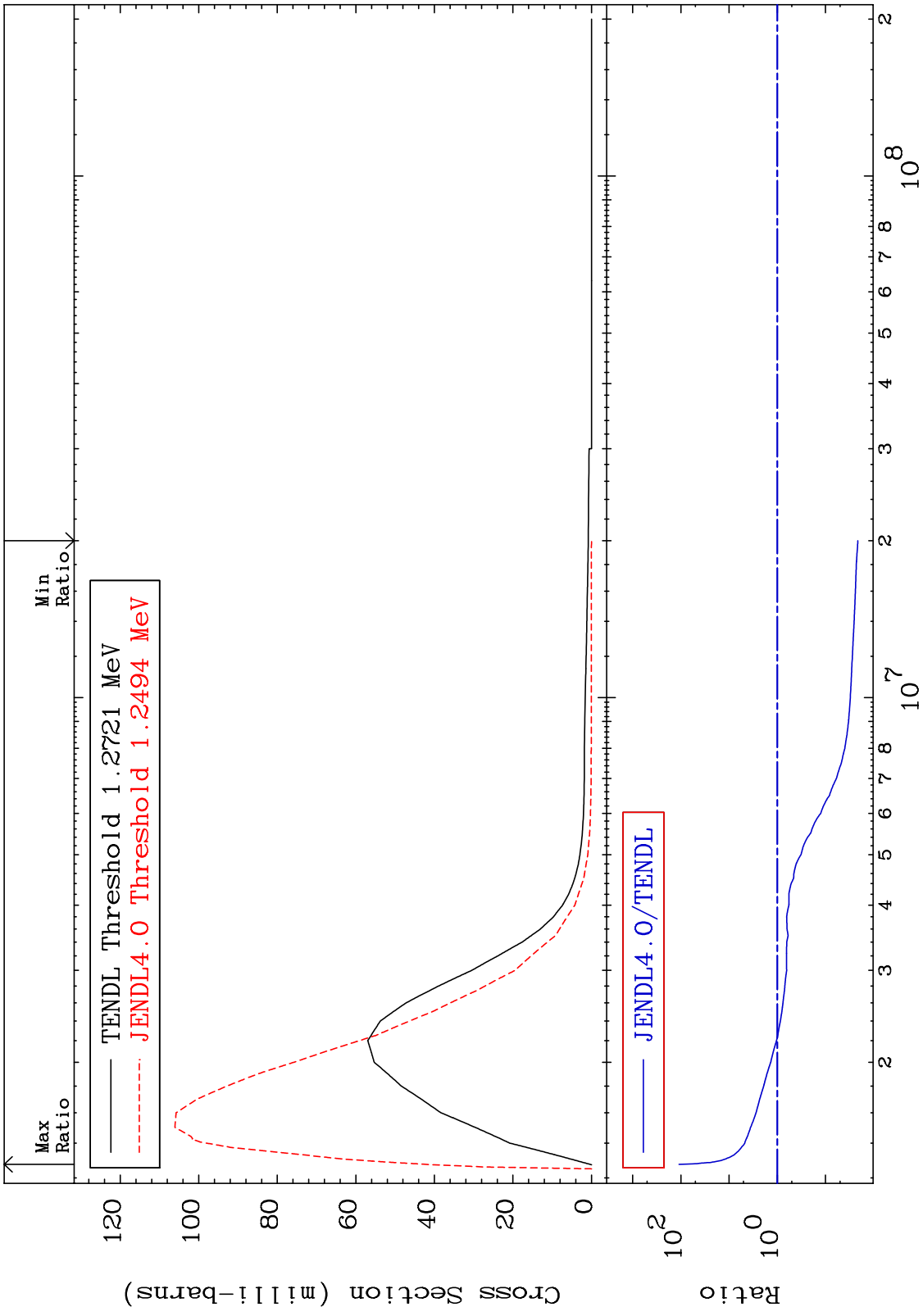
MAT 6431

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

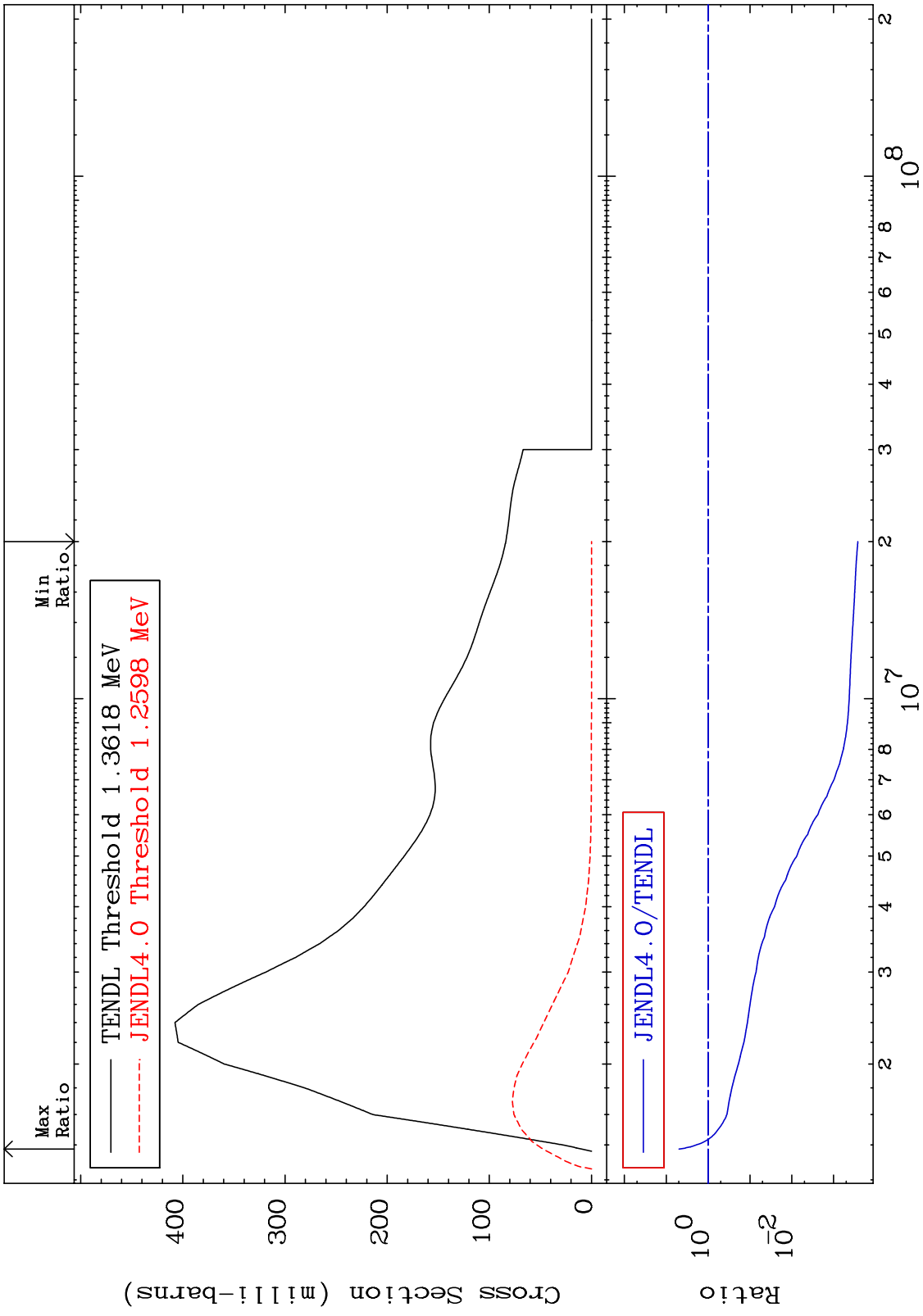
64-Gd-154  
-94.26 To 1316. %



MAT 6431 MT= 63 (n, n') Level Cross Section 64-Gd-154 -97.87 To 9999. %

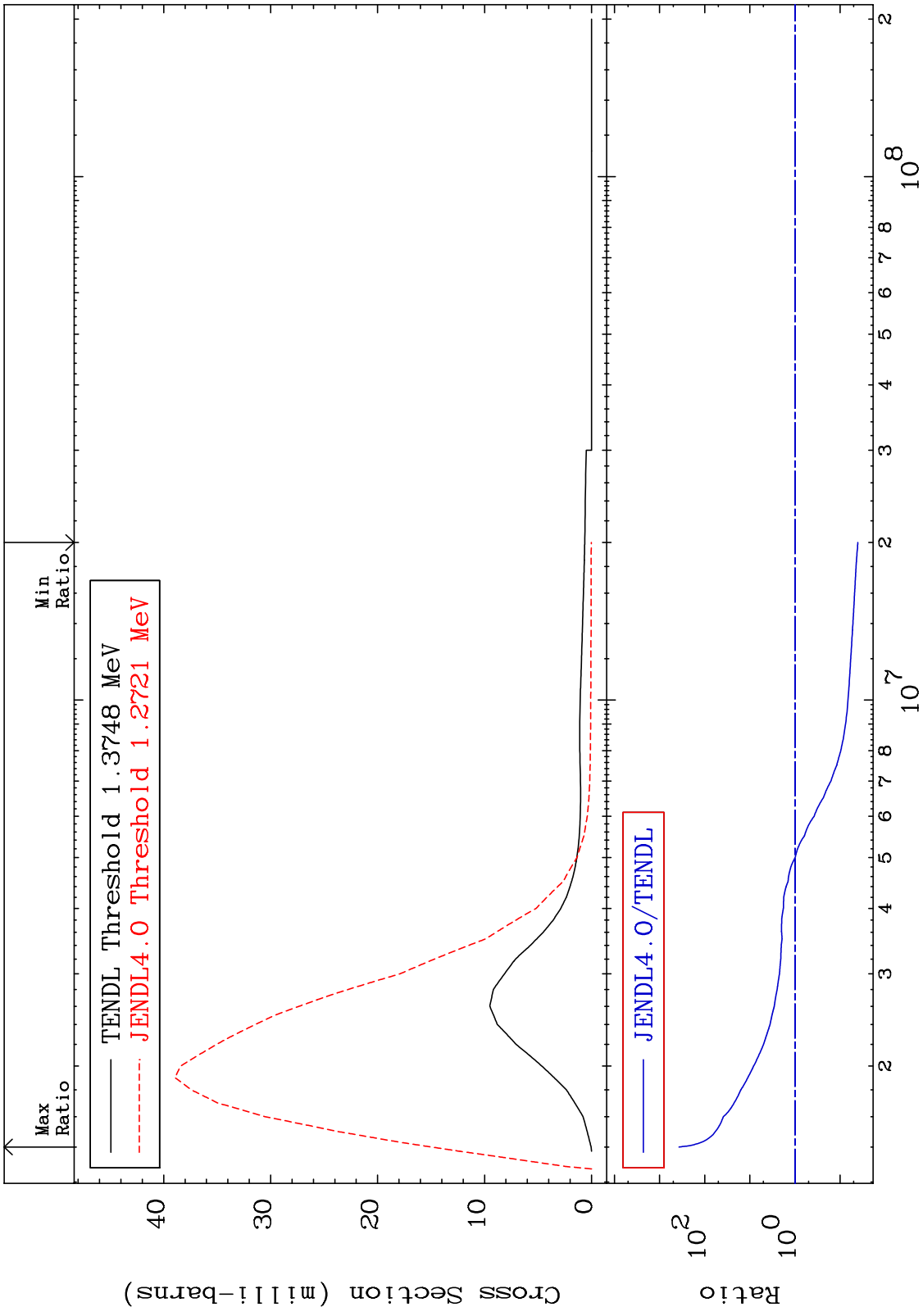


MAT 6431 MT= 64 (n,n') Level Cross Section 64-Gd-154 -99.97 To 393.8 %

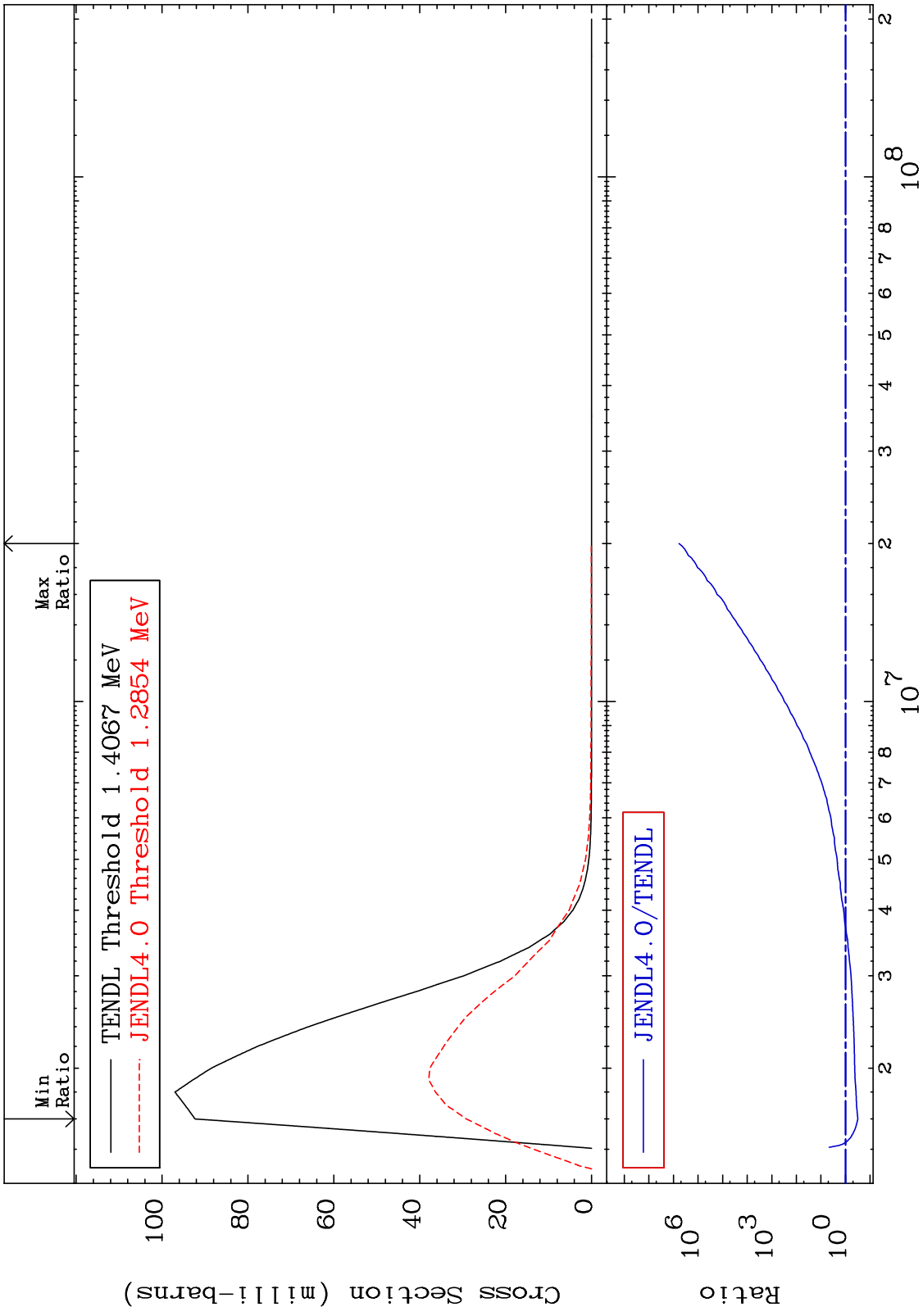




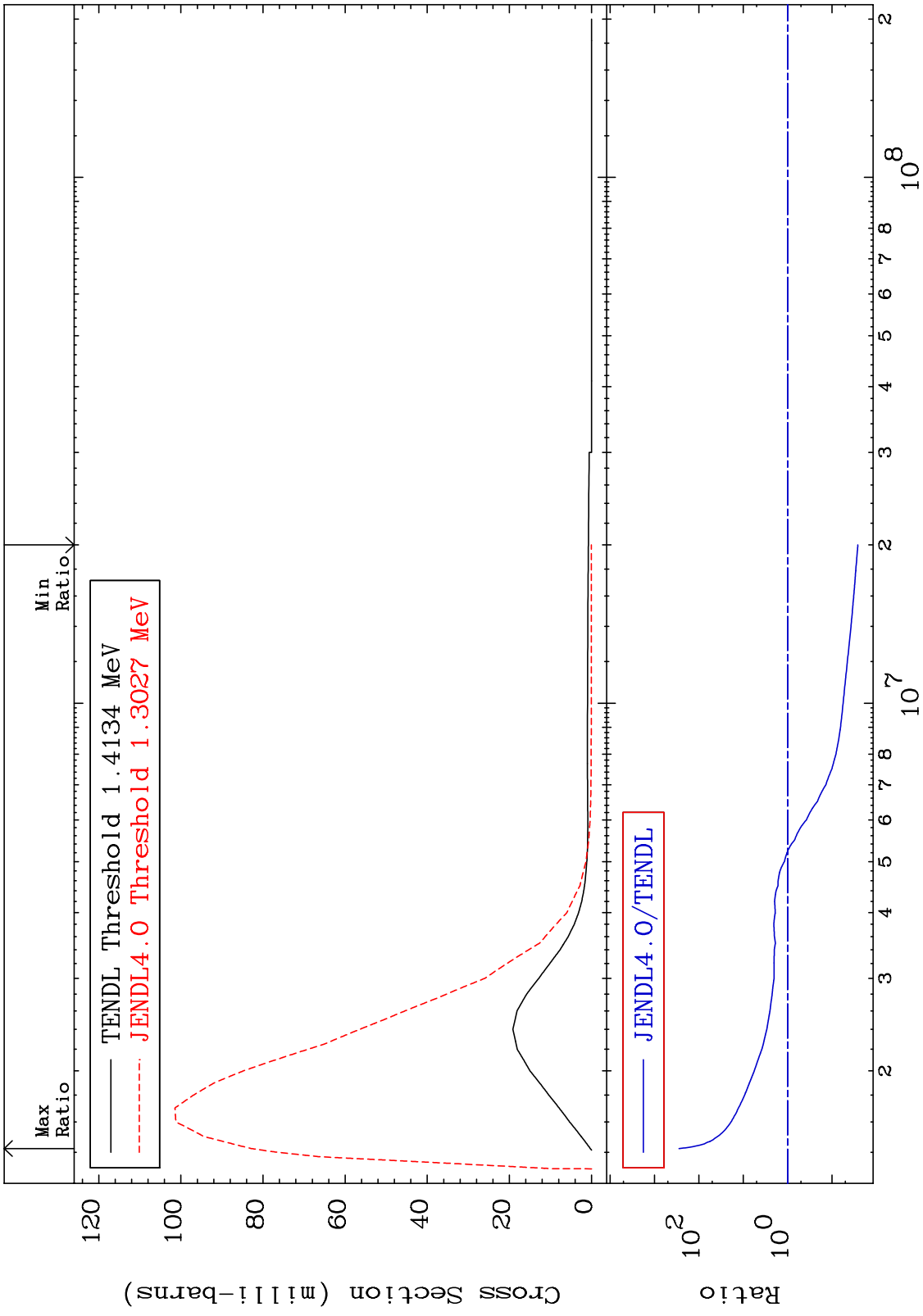
MAT 6431 MT= 65 (n,n') Level Cross Section 64-Gd-154  
 -95.96 To 9999. %



MAT 6431 MT= 66 (n,n') Level Cross Section 64-Gd-154  
 -68.40 To 9999. %



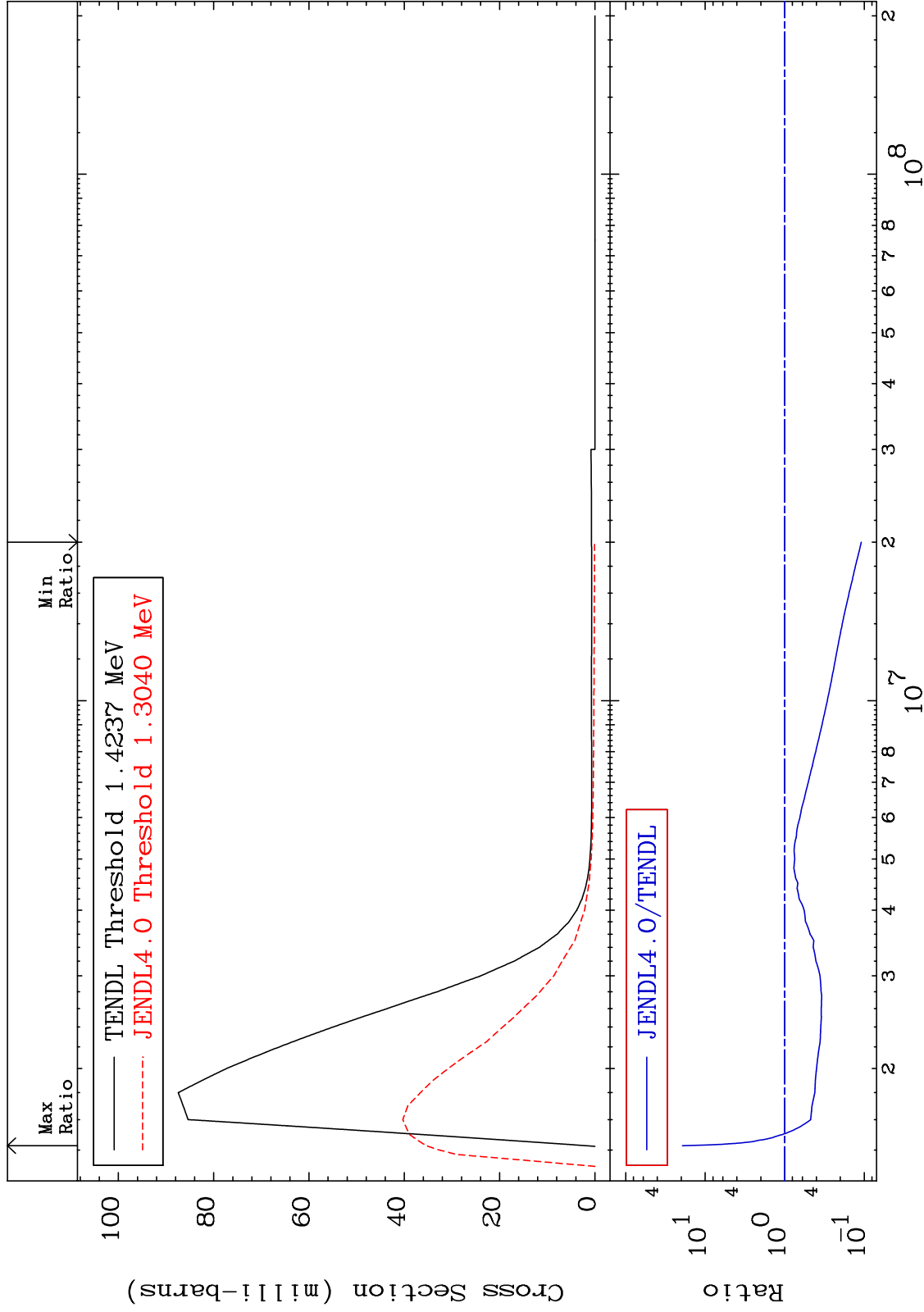
MAT 6431      MT= 67 (n,n') Level Cross Section      64-Gd-154  
 -97.37 To 9999. %



MAT 6431

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

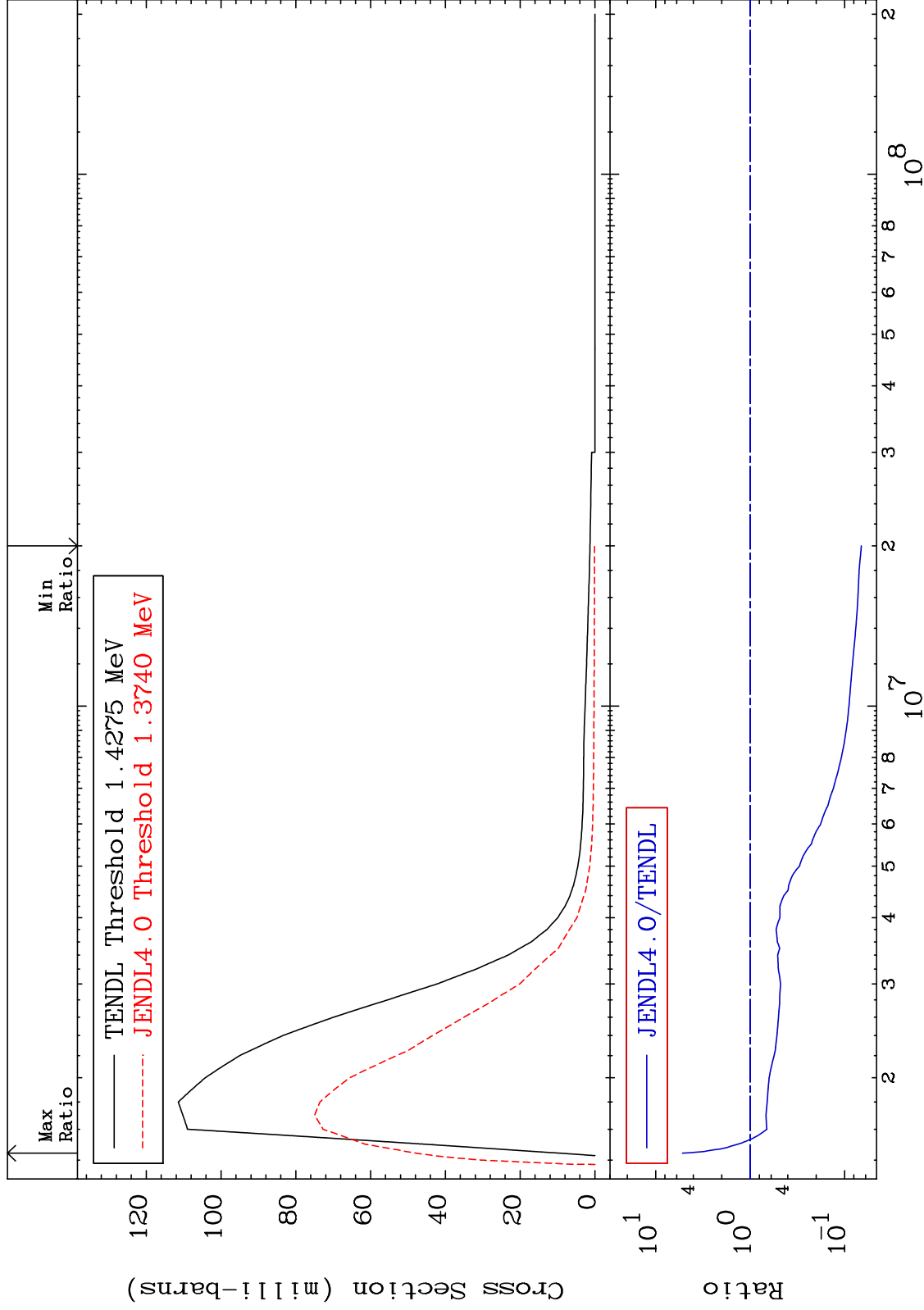
64-Gd-154  
-89.10 To 1833. %



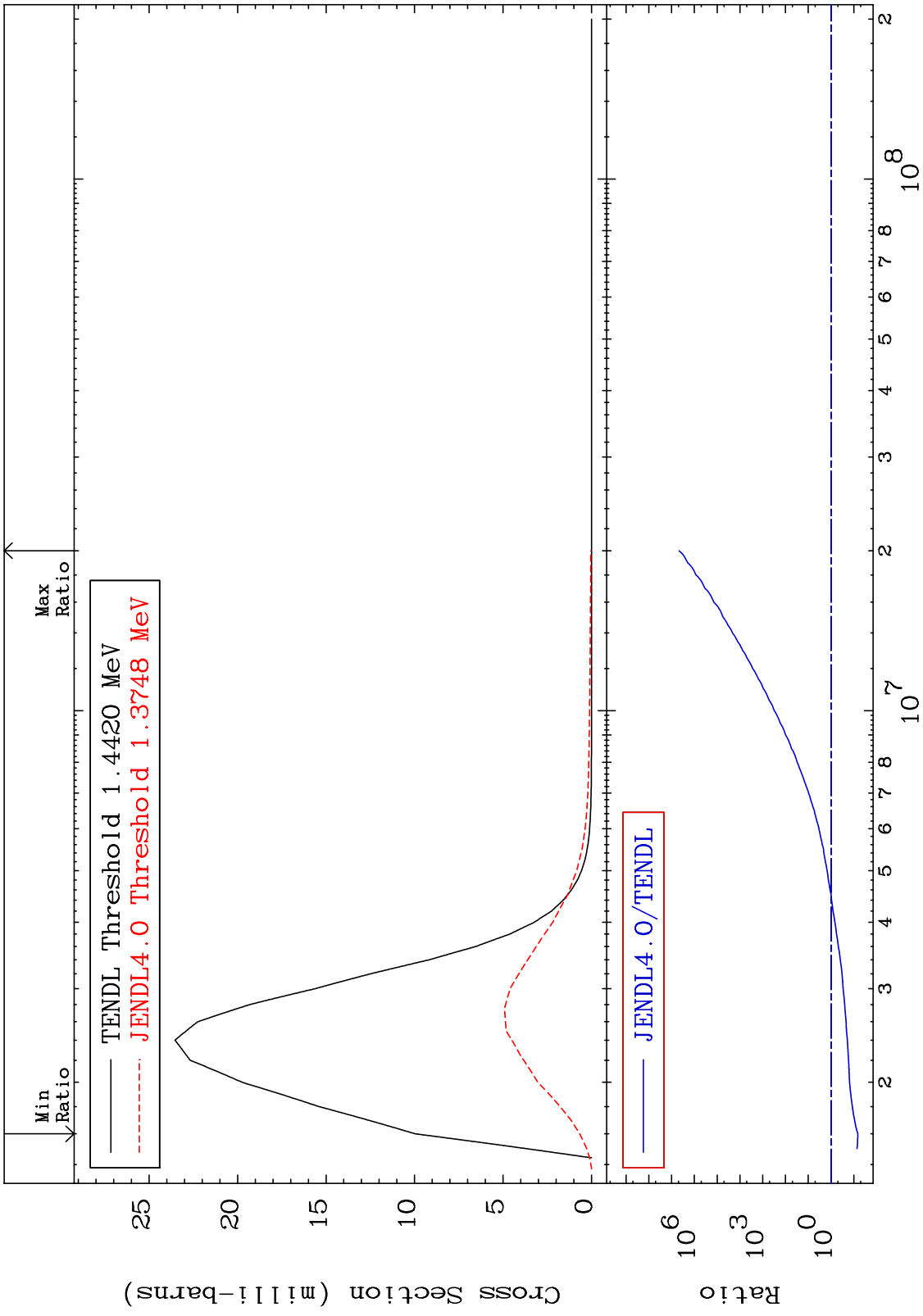
MAT 6431

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

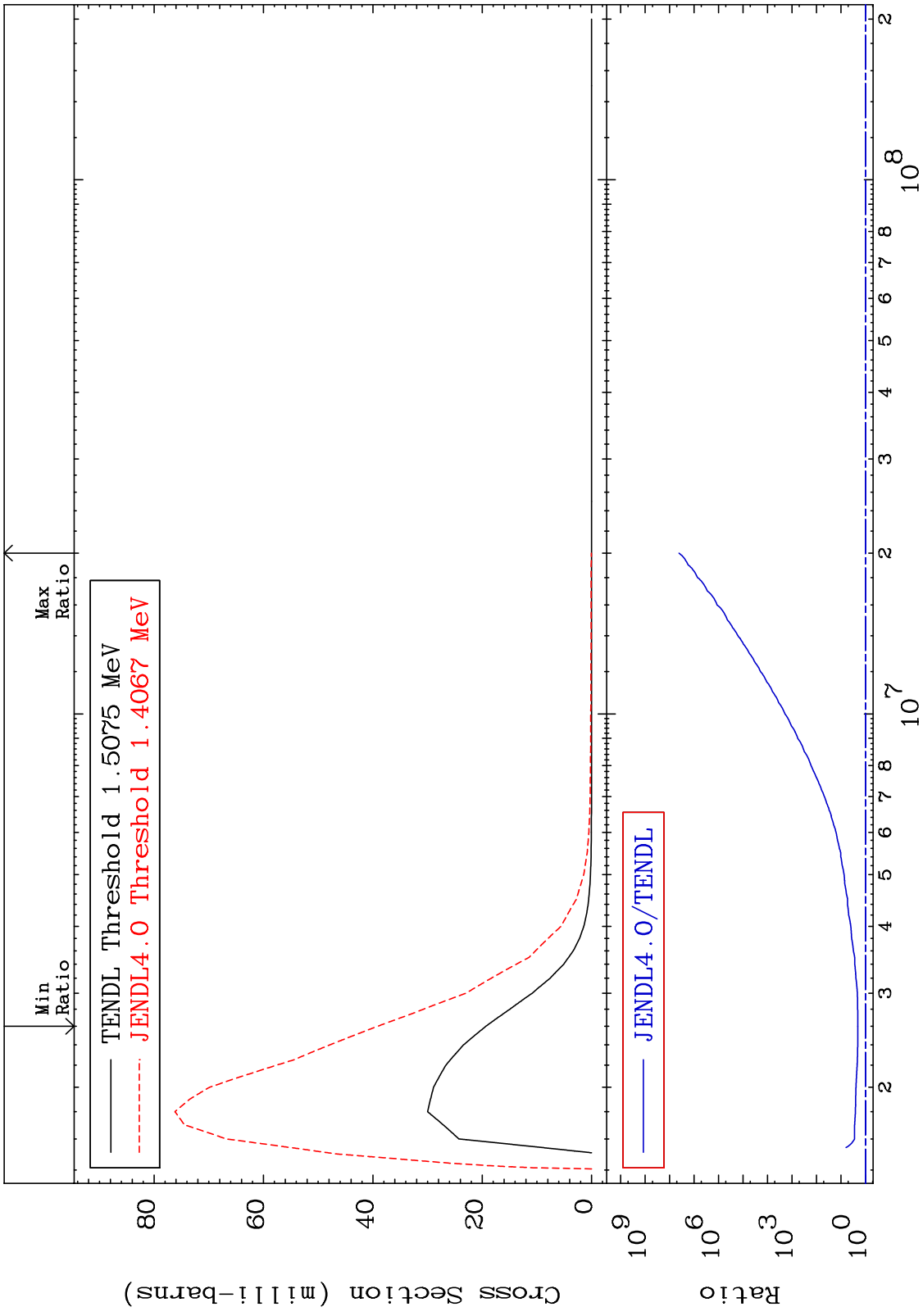
64-Gd-154  
-93.35 To 420.9 %



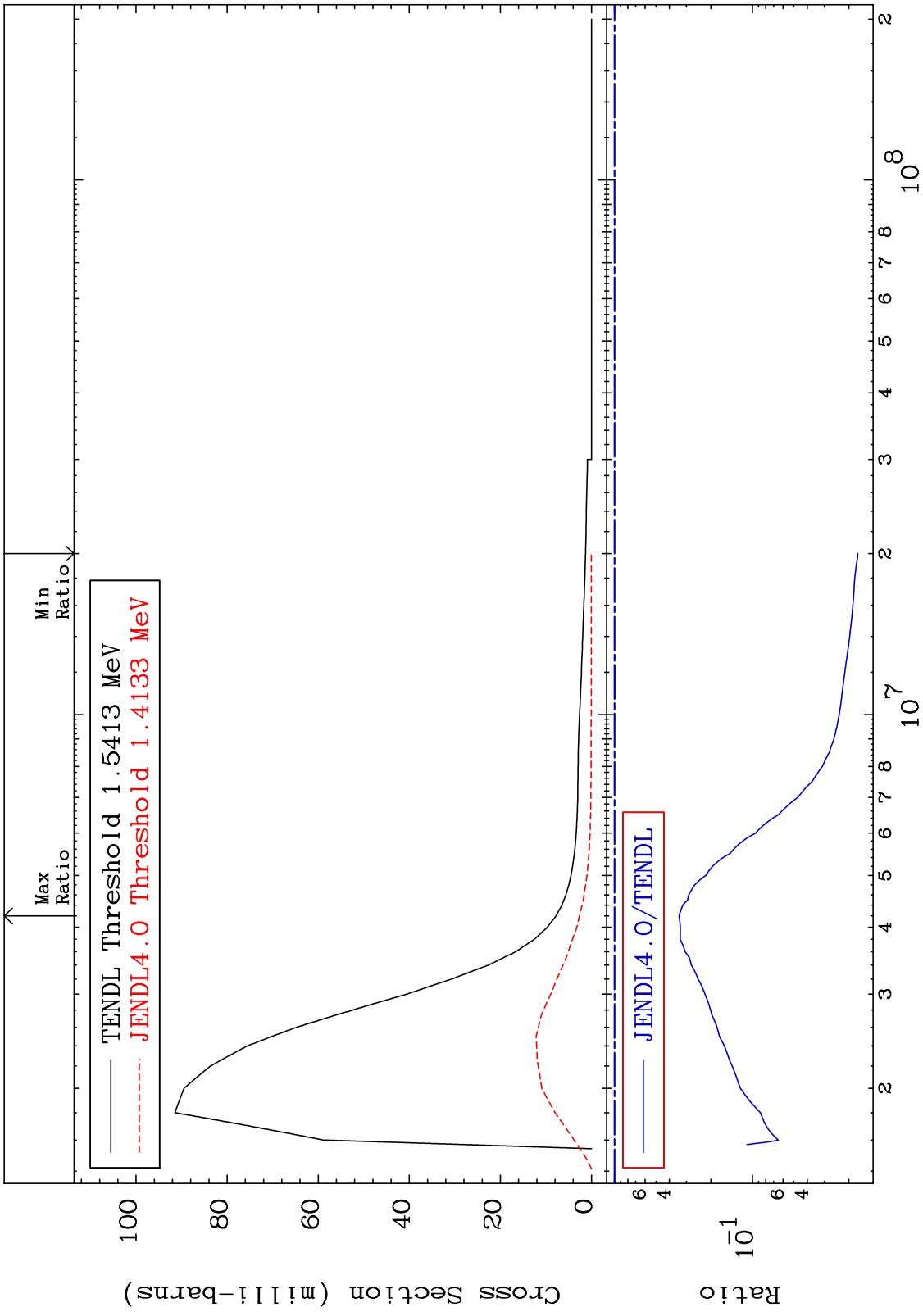
MAT 6431 MT= 70 (n,n') Level Cross Section 64-Gd-154  
 -93.36 To 9999. %



MAT 6431 MT= 71 (n,n') Level Cross Section 64-Gd-154 102.5 To 9999. %

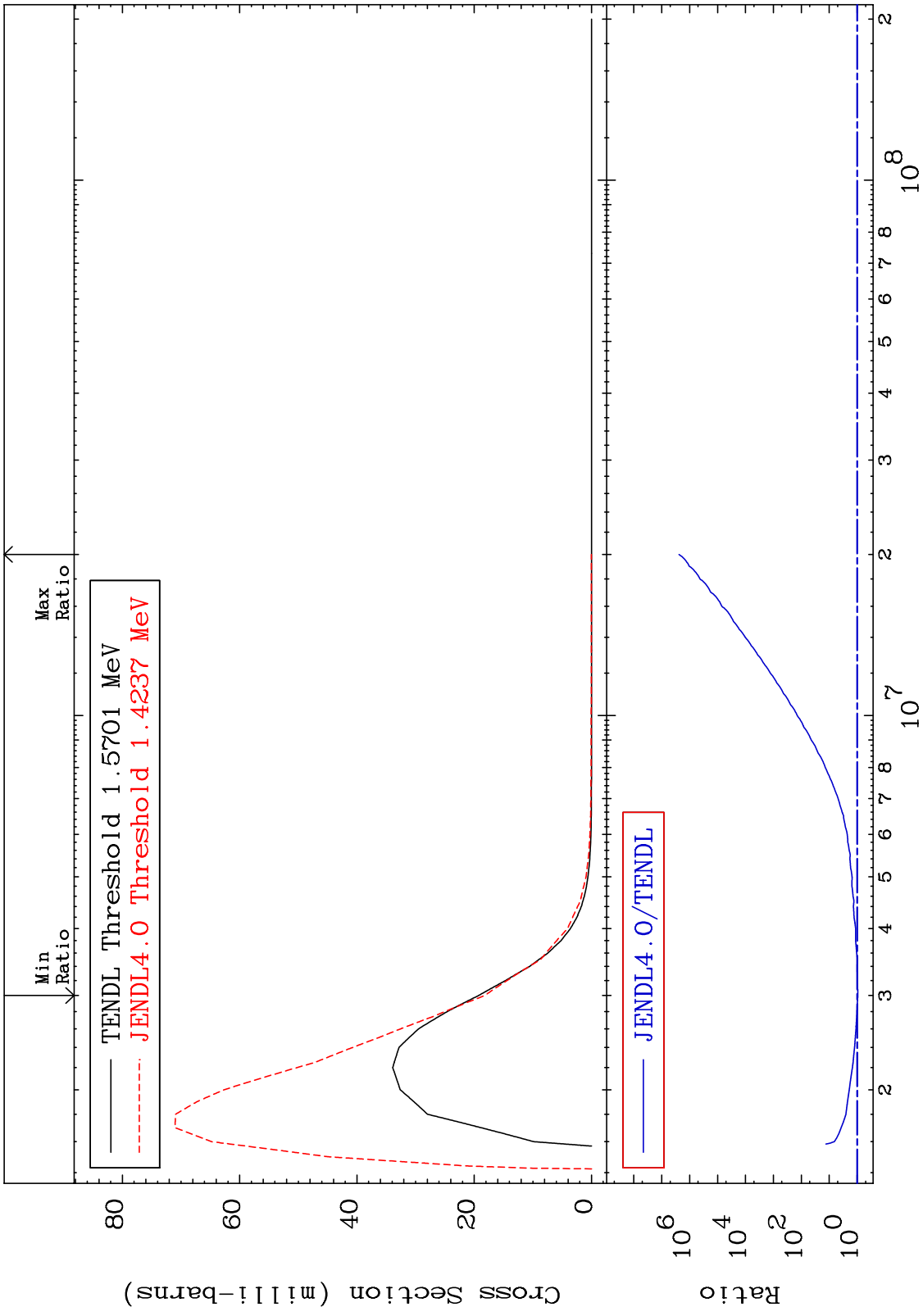


MAT 6431 MT= 72 (n,n') Level Cross Section 64-Gd-154 -98.28 To -66.01%

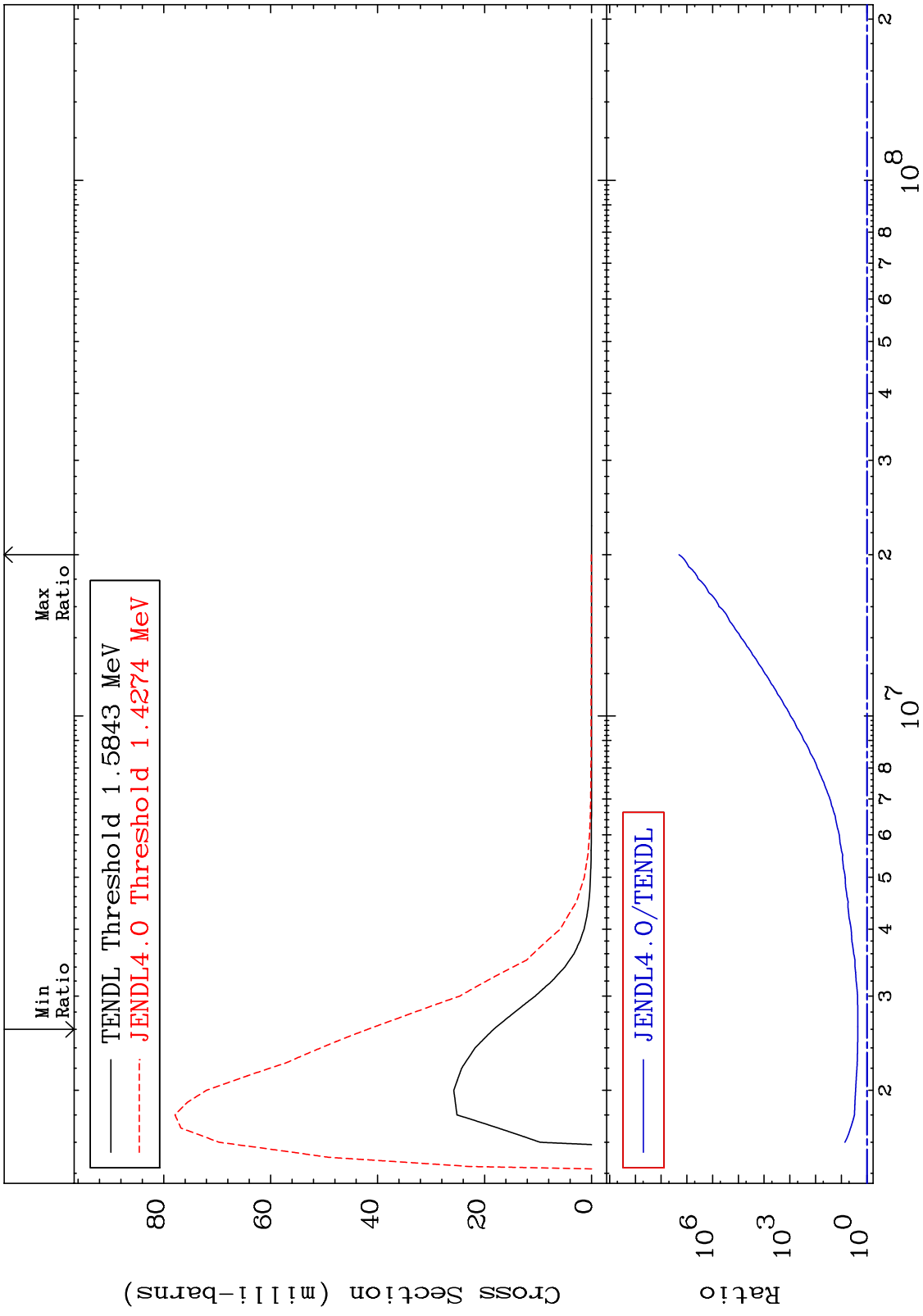




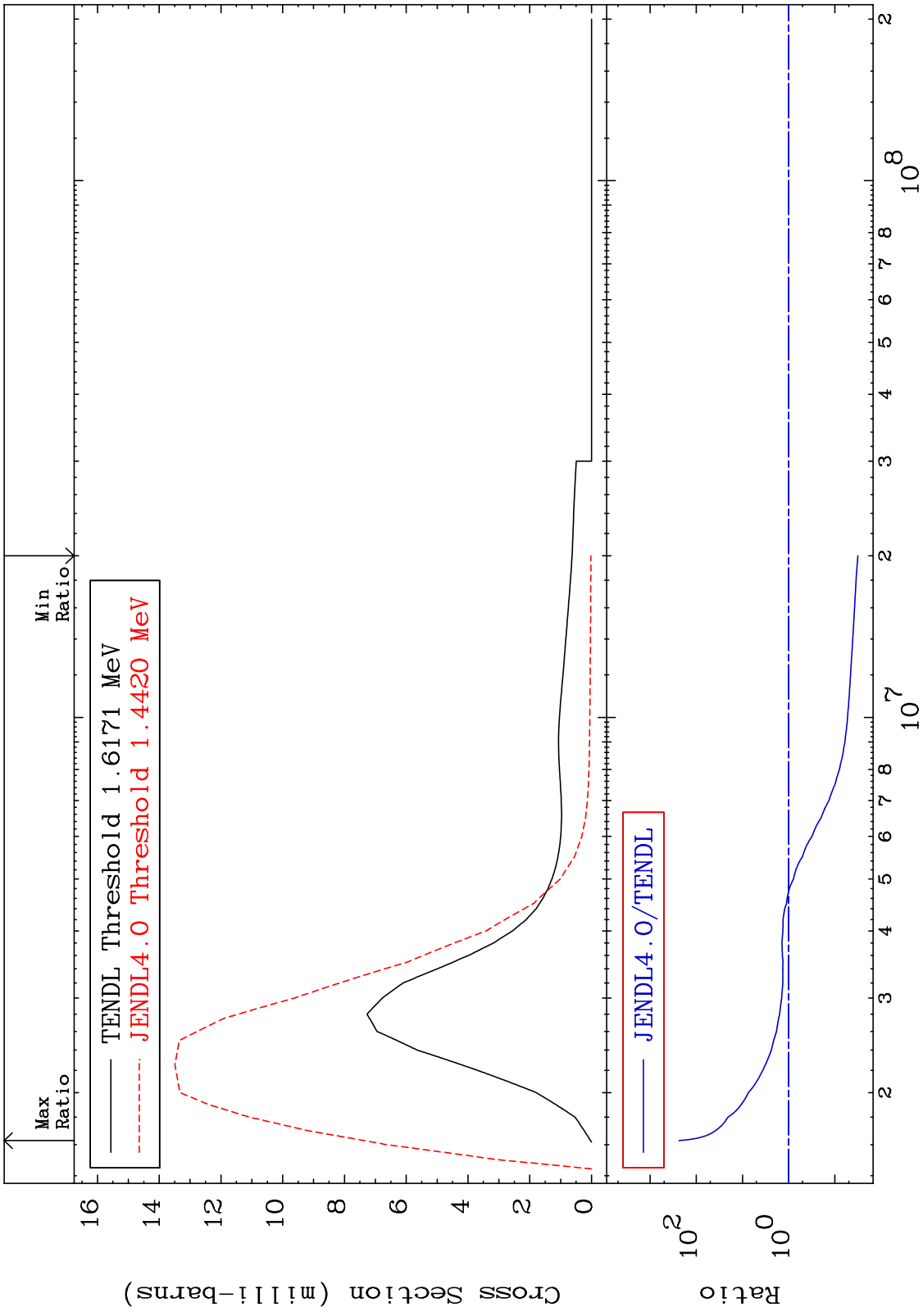
MAT 6431 MT= 73 (n,n') Level Cross Section 64-Gd-154  
 -5.312 To 9999. %



MAT 6431 MT= 74 (n,n') Level Cross Section 64-Gd-154 128.6 To 9999. %



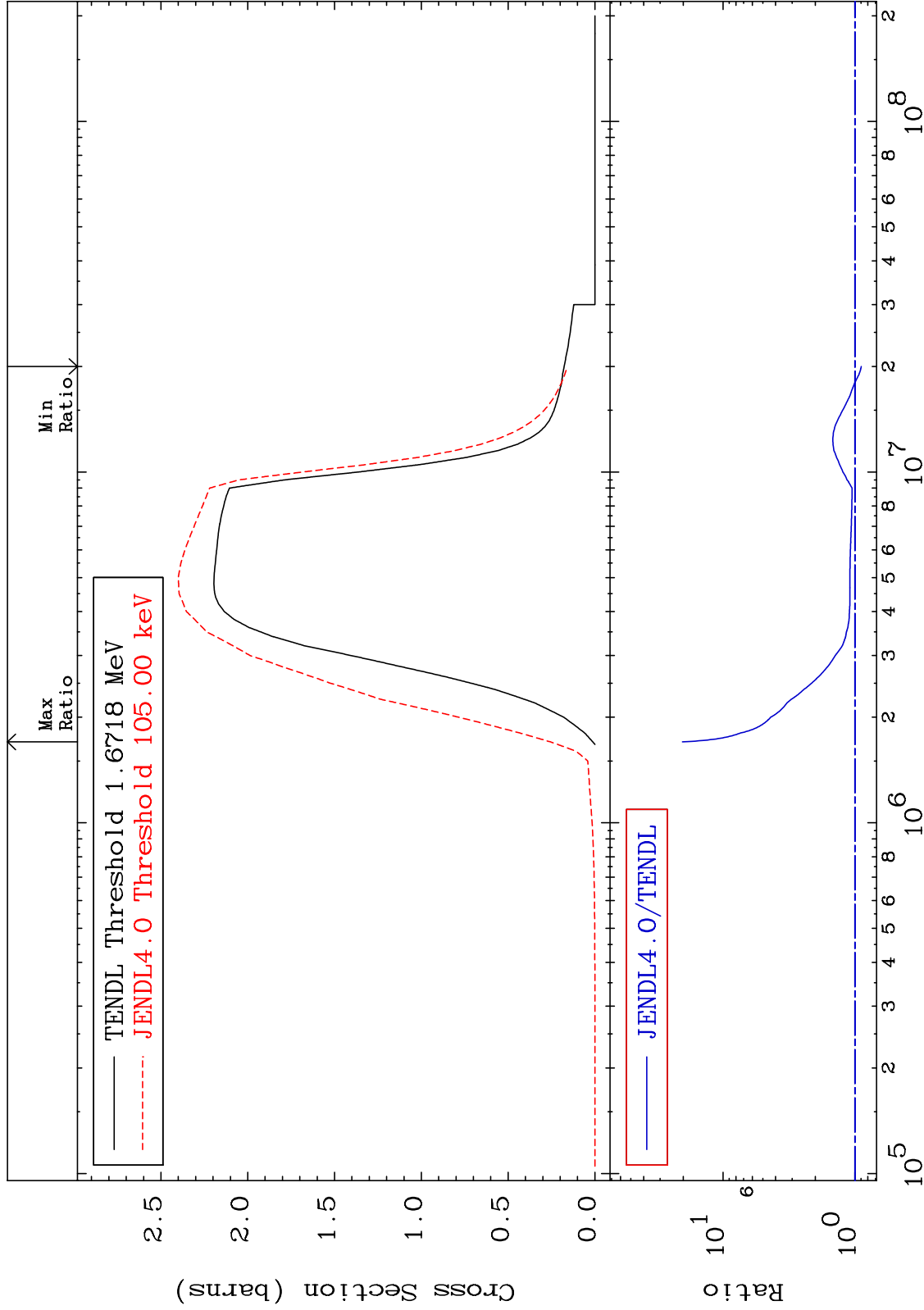
MAT 6431 MT= 75 (n,n') Level Cross Section 64-Gd-154  
 -96.82 To 9999. %



MAT 6431

(n, n') Continuum  
Cross Section

64-Gd-154  
-10.38 To 1932. %



35

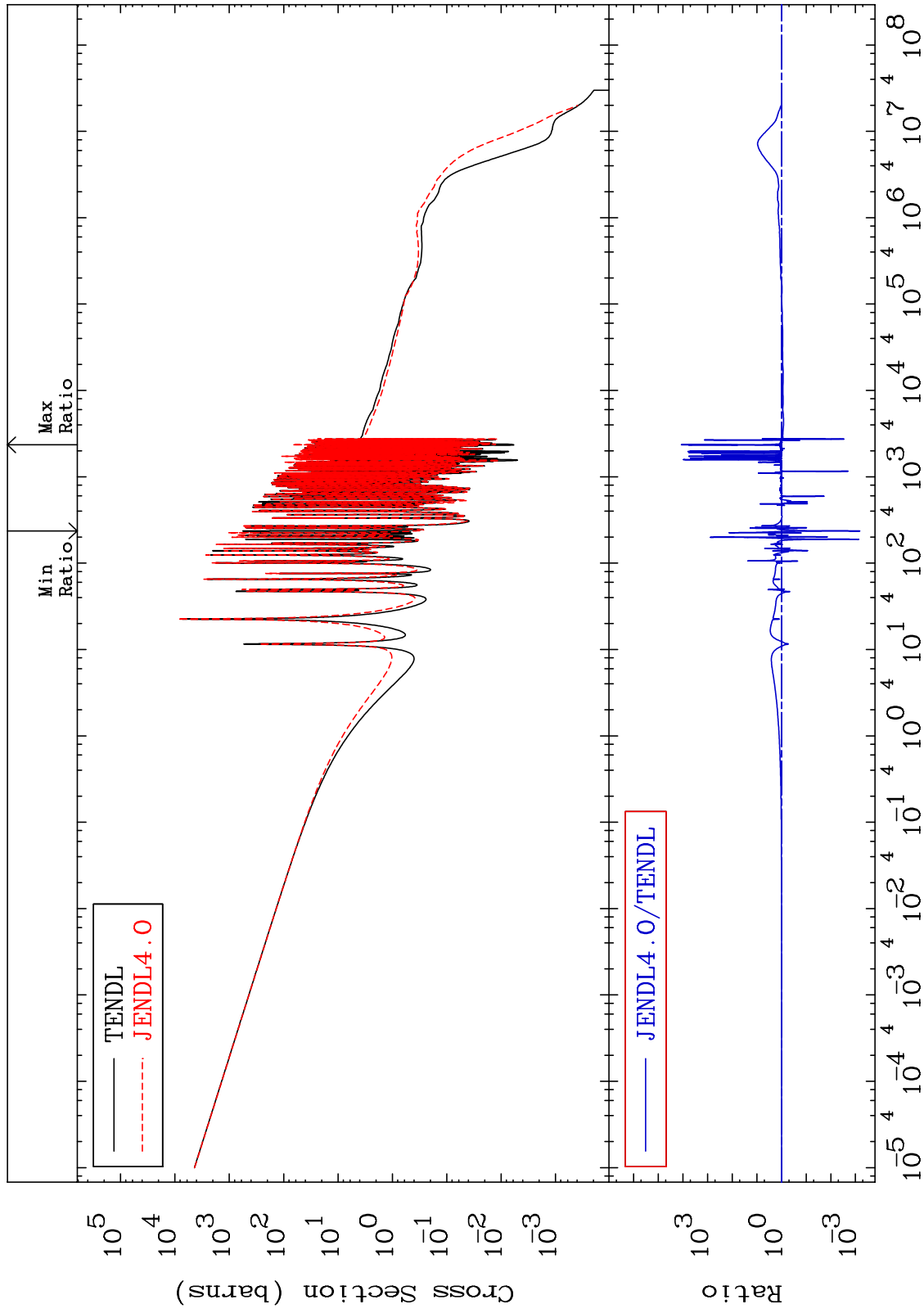
Incident Energy (eV)

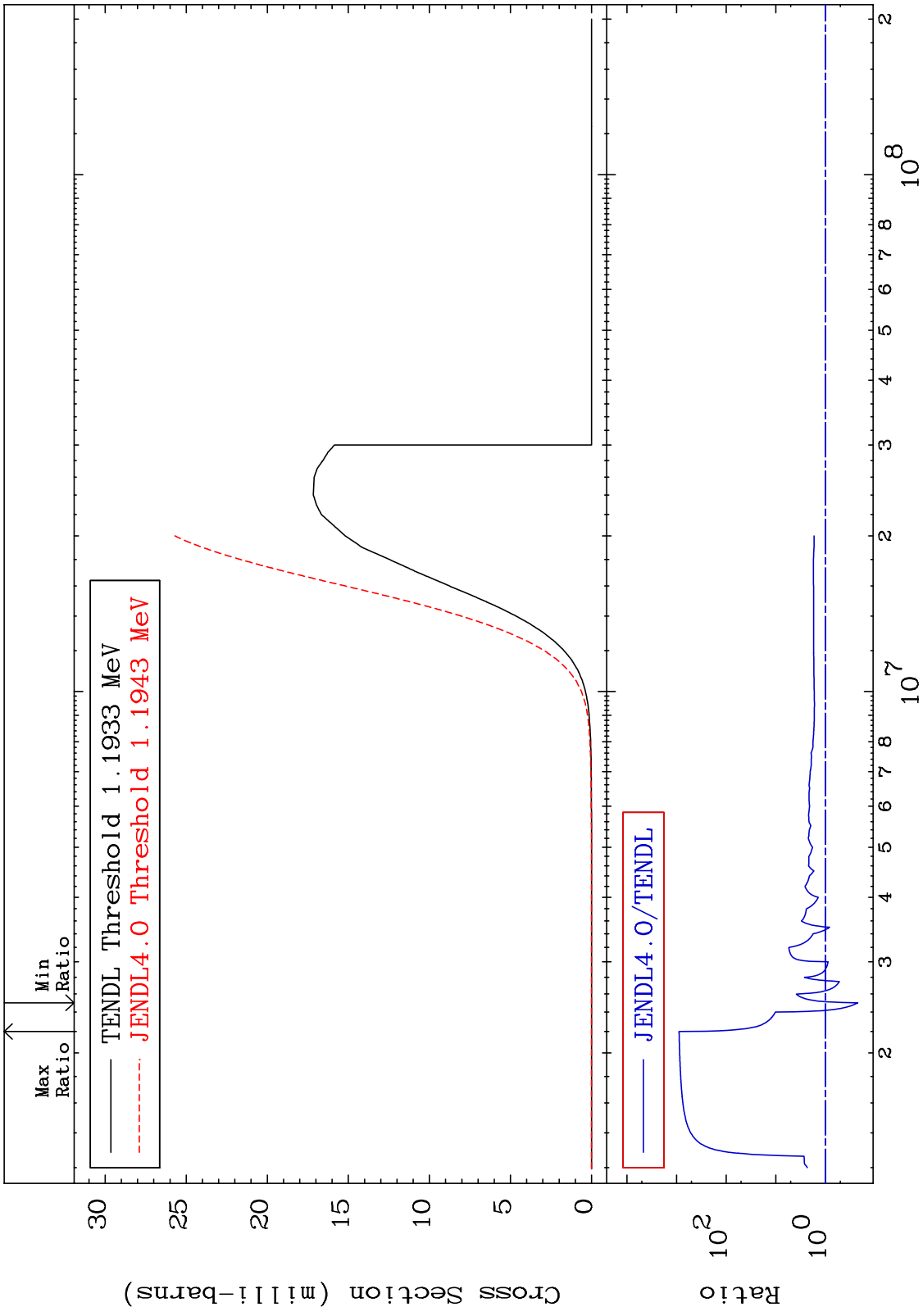
64-Gd-154

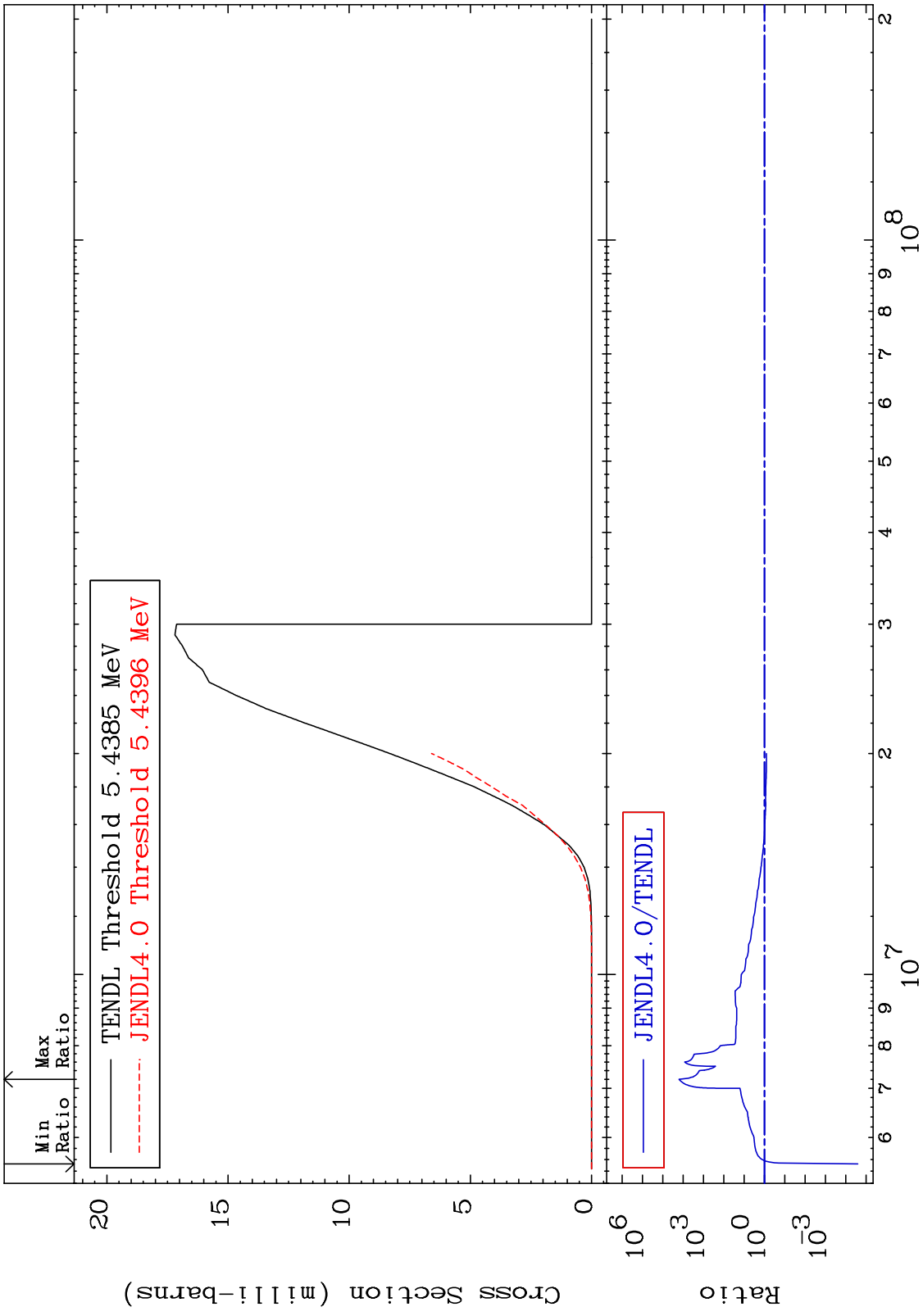
MAT 6431

(n,  $\gamma$ )  
Cross Section

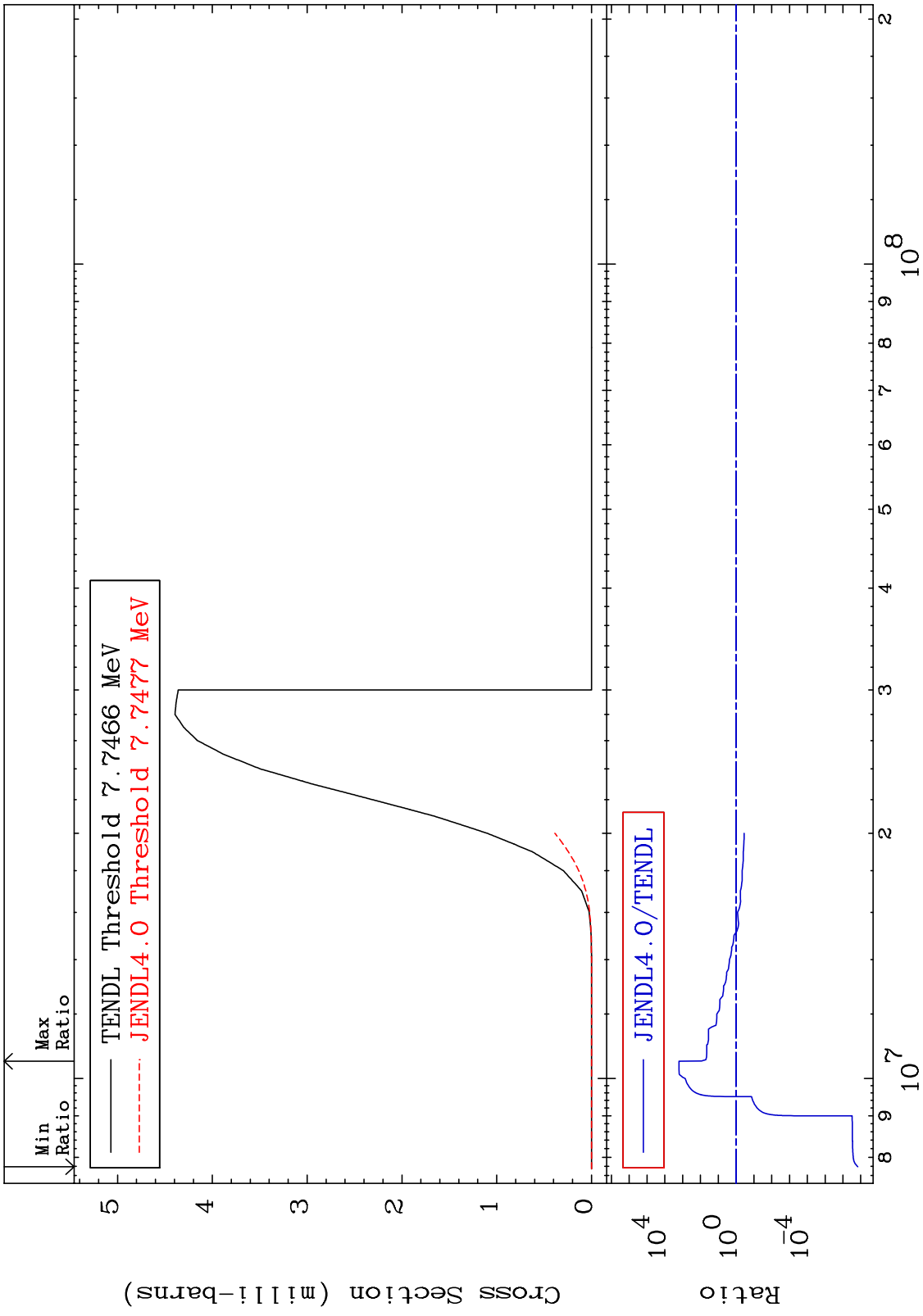
64-Gd-154  
-99.93 To 9999. %







MAT 6431 (n,t) 64-Gd-154  
 Cross Section -100.0 To 9999. %





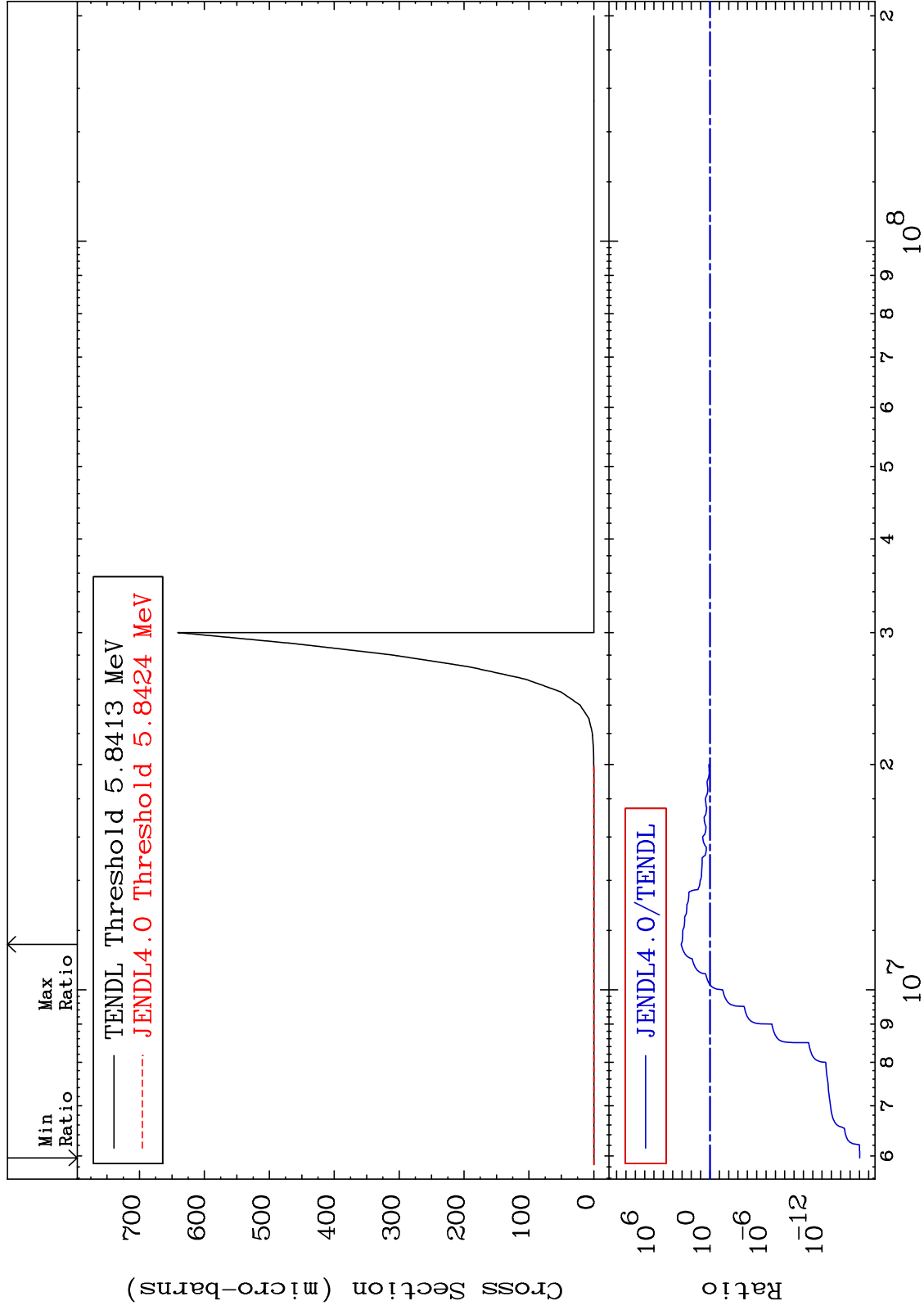
MAT 6431

(n, He-3)

64-Gd-154

-100.0 To 9999. %

Cross Section



40

Incident Energy (eV)

64-Gd-154

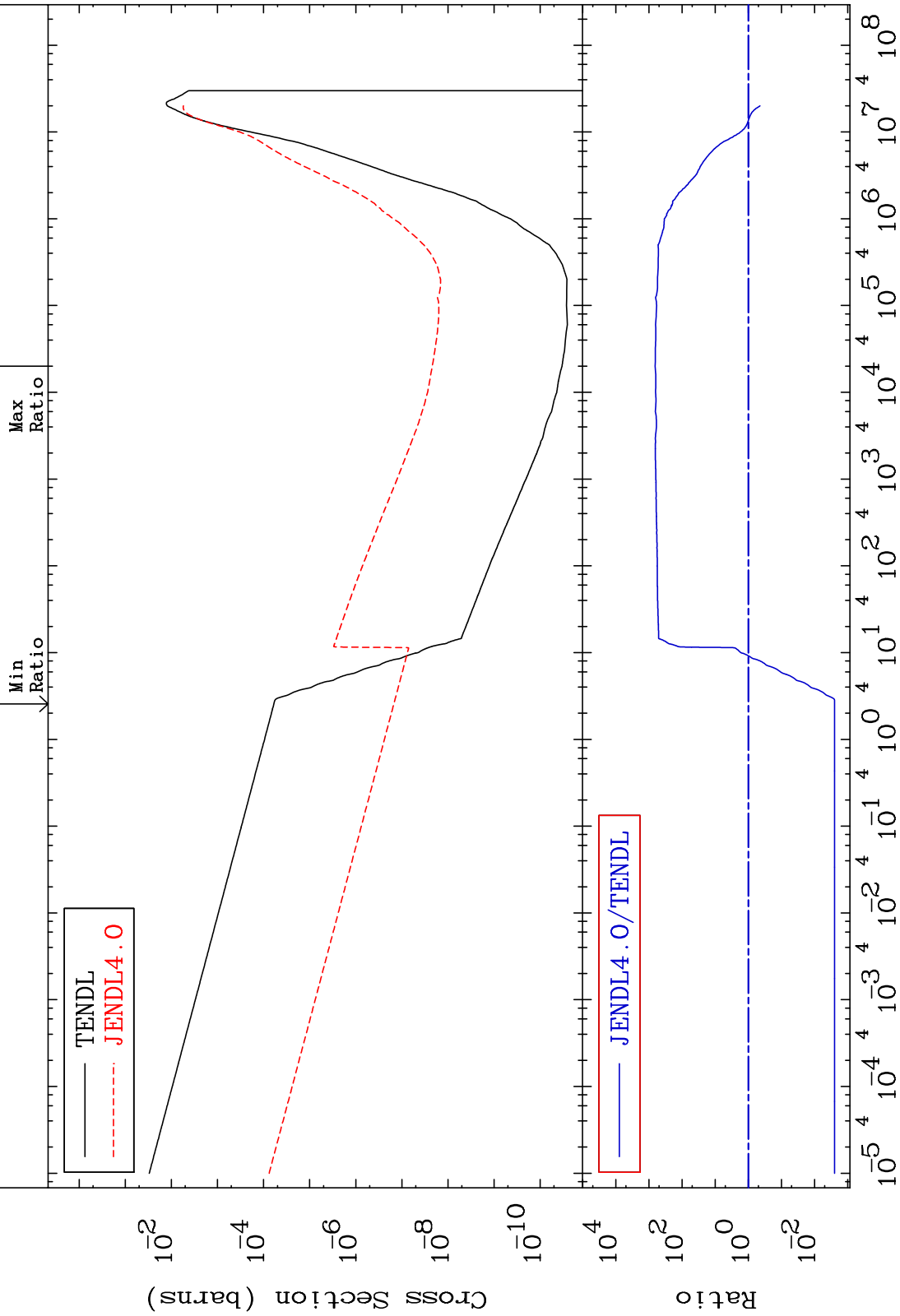
MAT 6431

(n,  $\alpha$ )

64-Gd-154

-99.75 To 9999. %

Cross Section



41

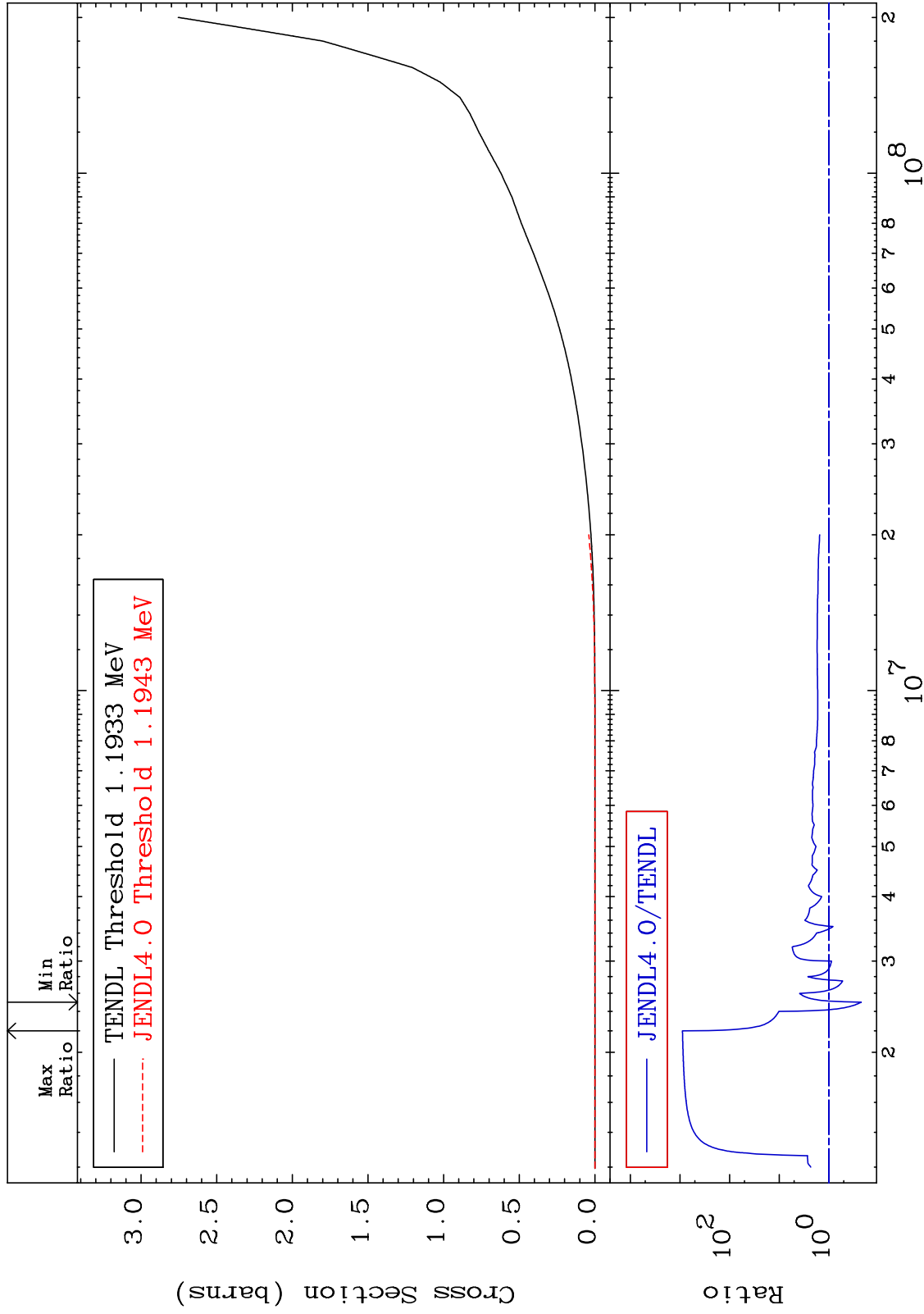
Incident Energy (eV)

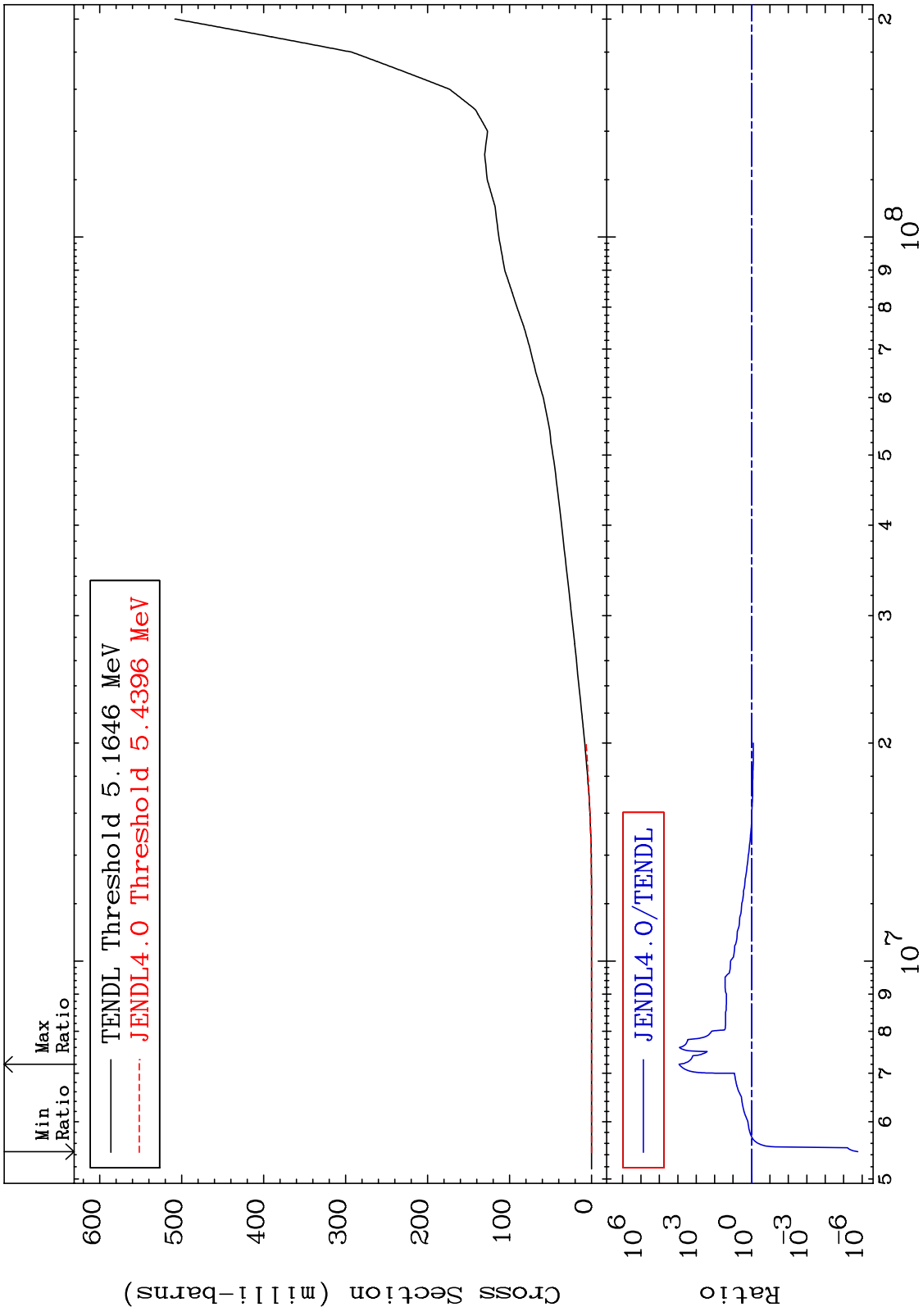
64-Gd-154

MAT 6431

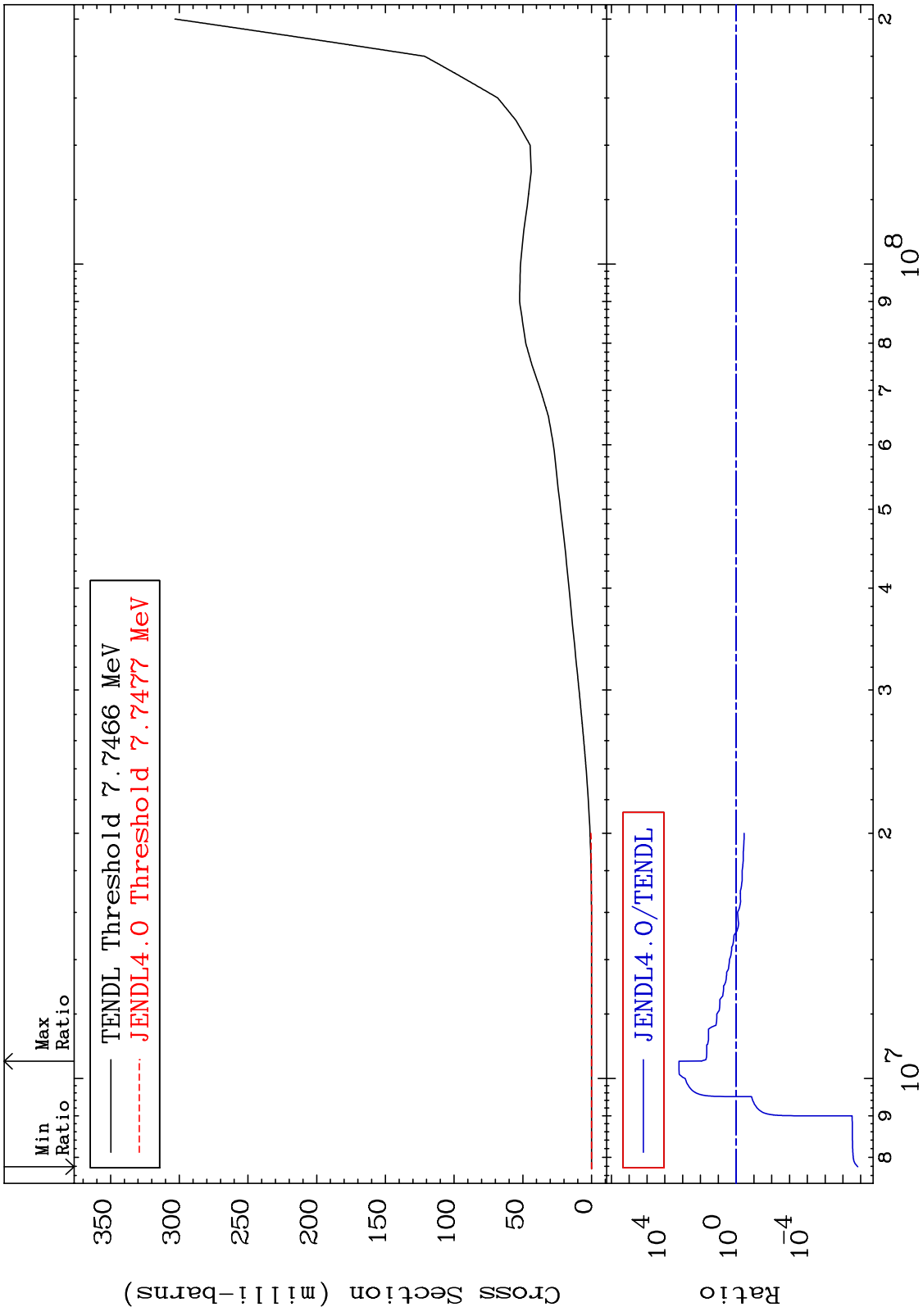
Hydrogen Production  
Cross Section

64-Gd-154  
-77.82 To 9999. %





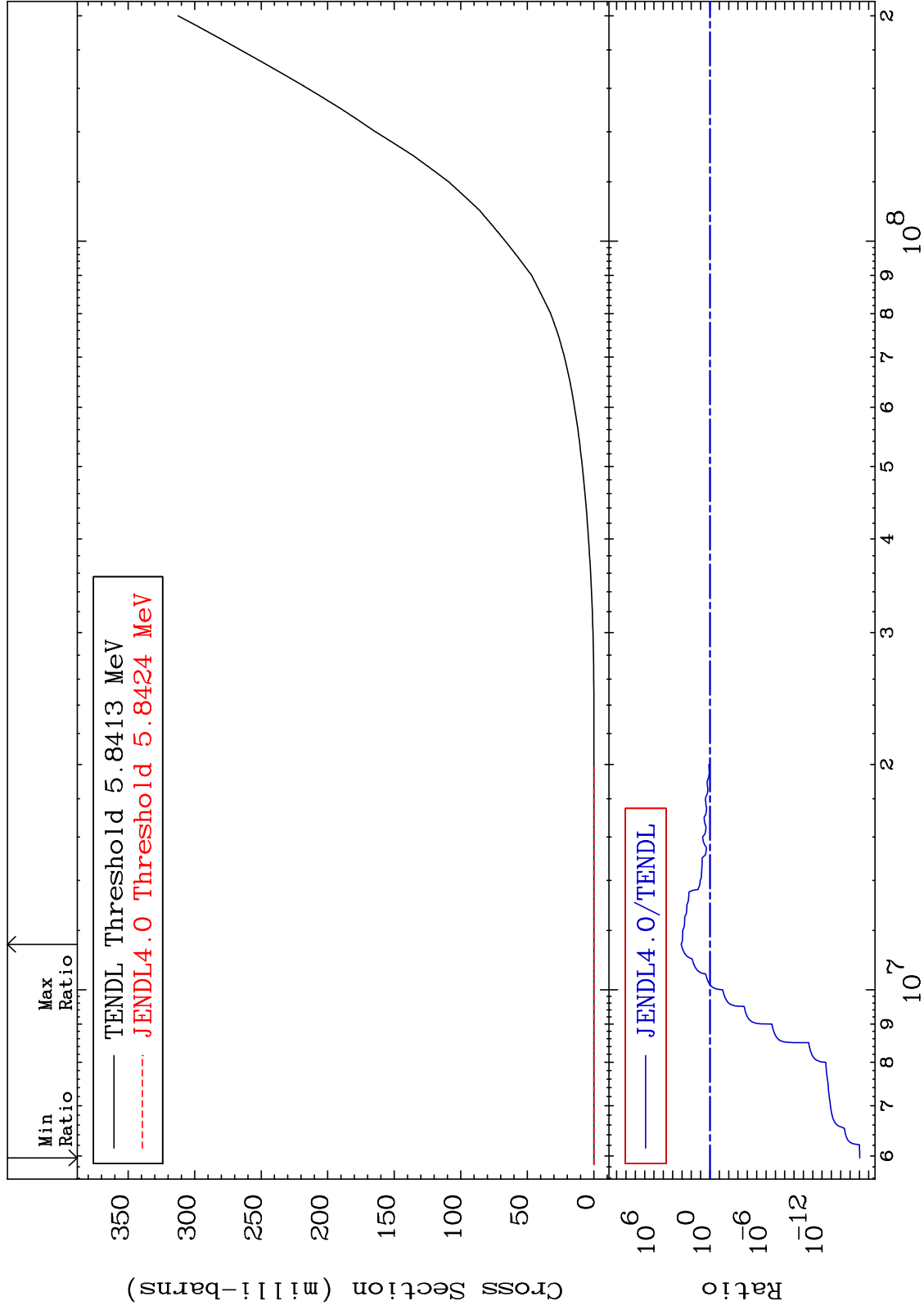
MAT 6431 Tritium Production Cross Section 64-Gd-154 -100.0 To 9999. %



MAT 6431

He-3 Production  
Cross Section

64-Gd-154  
-100.0 To 9999. %



45

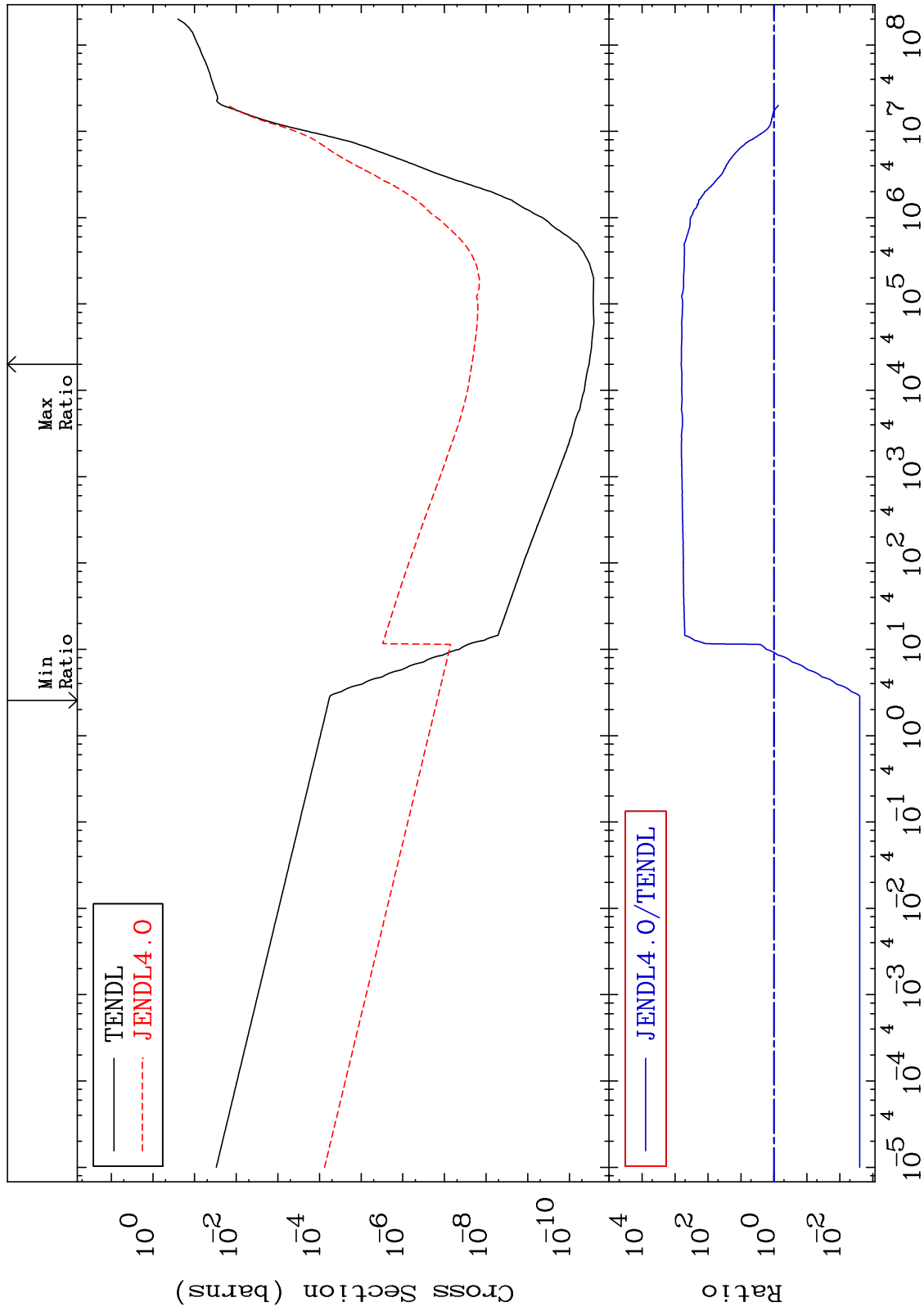
Incident Energy (eV)

64-Gd-154

MAT 6431

He-4 Production  
Cross Section

64-Gd-154  
-99.75 To 9999. %

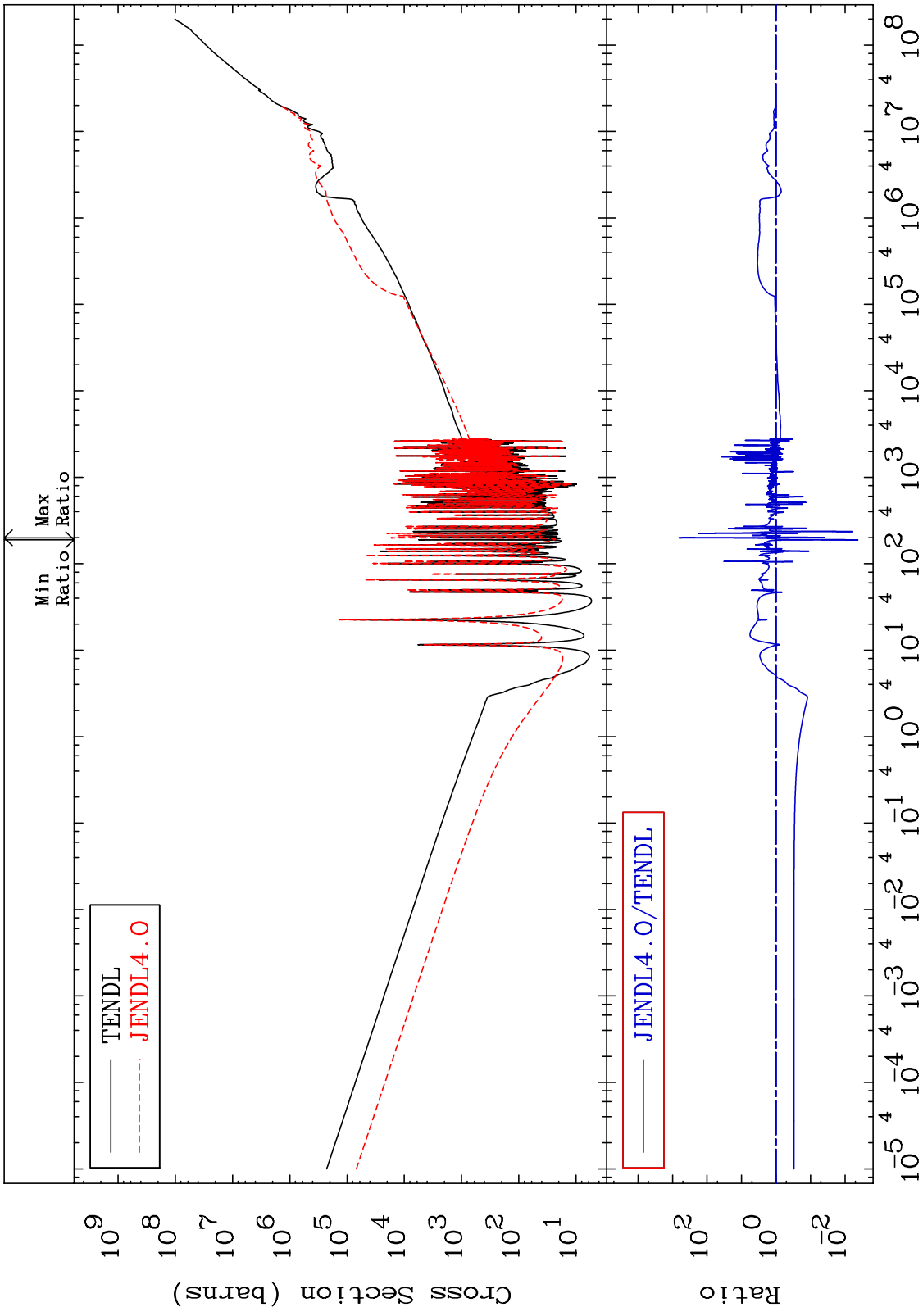


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Incident Energy (eV)

64-Gd-154

MAT 6431 Kerma total (eV-barns) 64-Gd-154  
Cross Section -99.58 To 9999. %

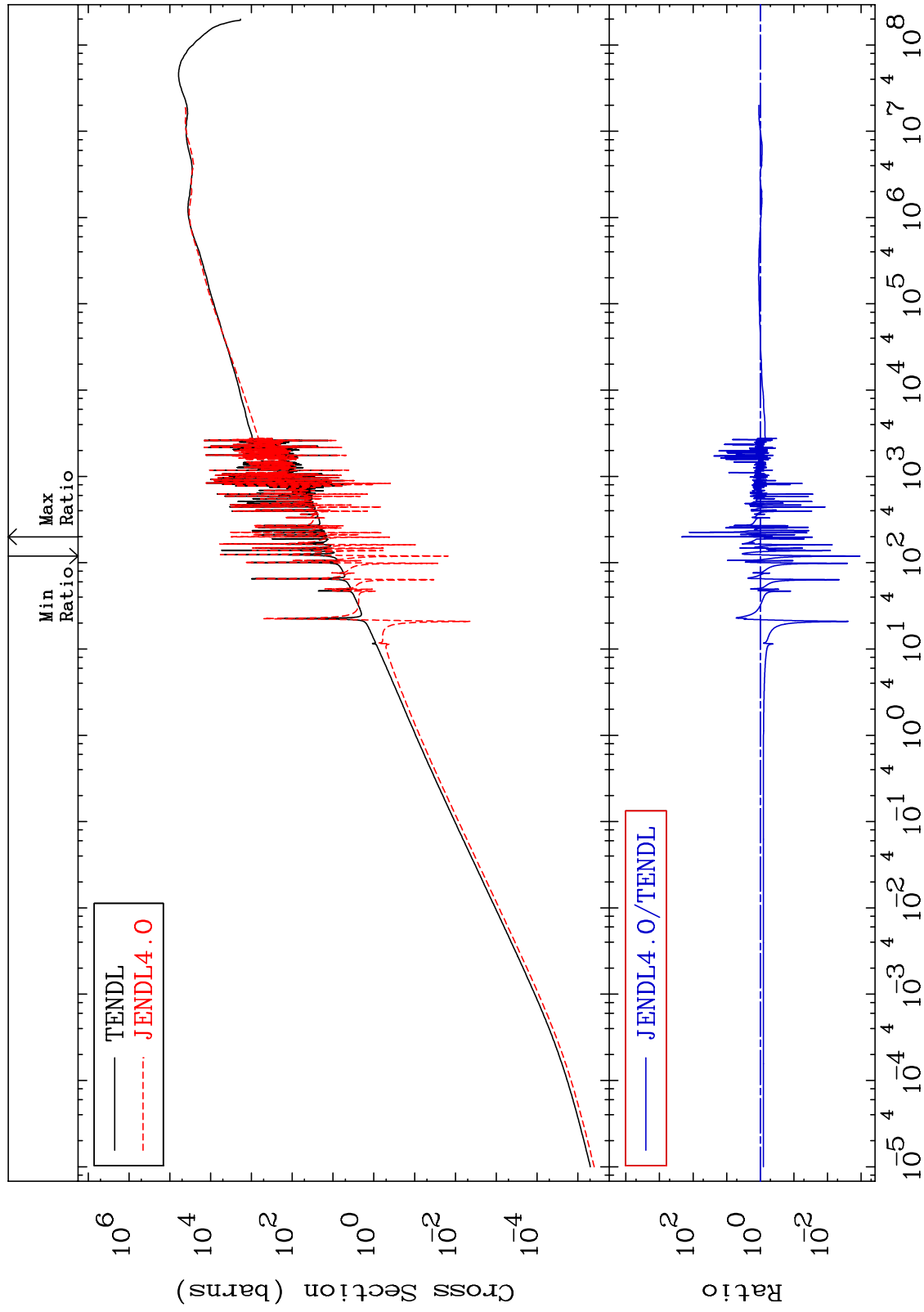




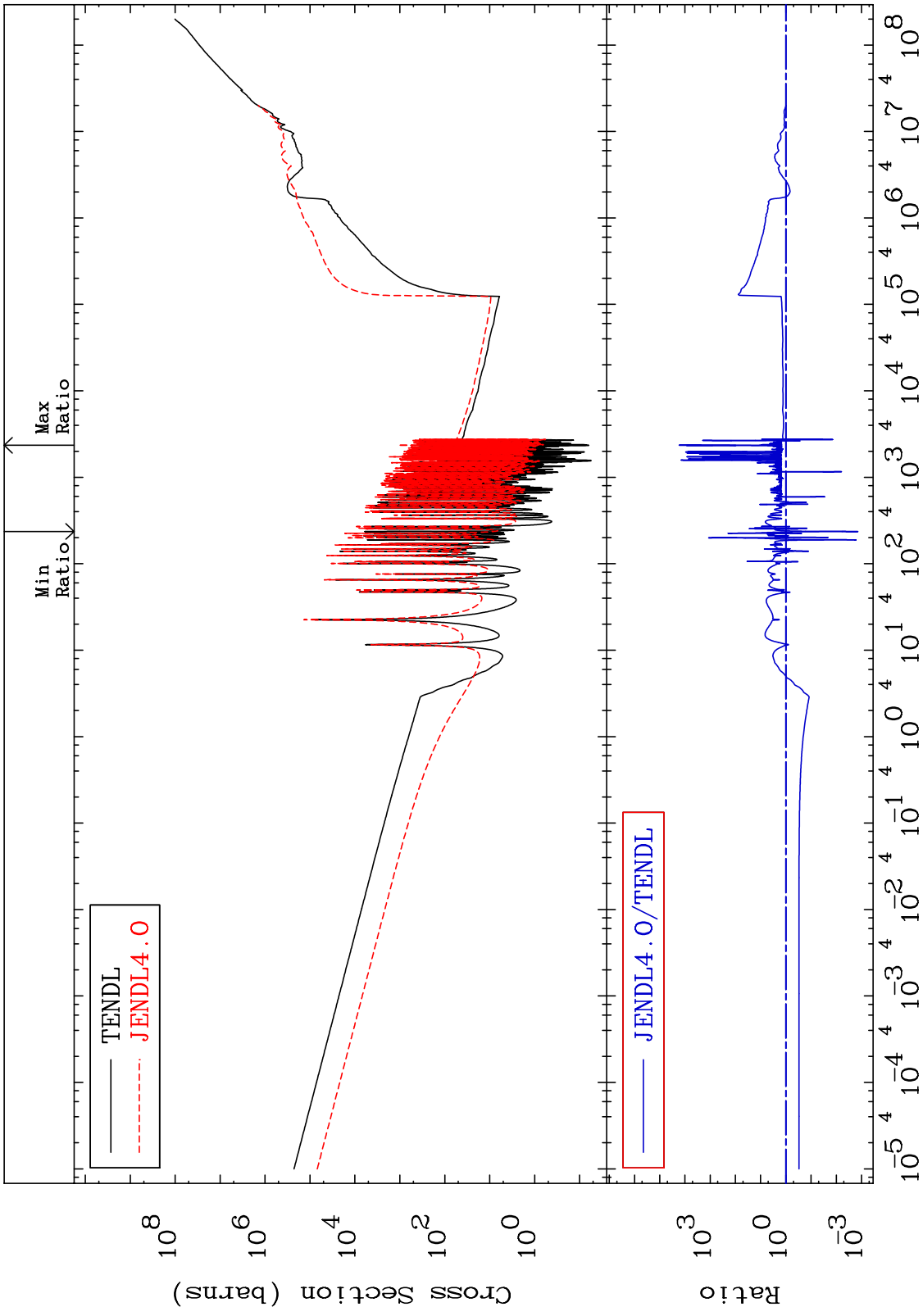
MAT 6431

Kerma elastic  
Cross Section

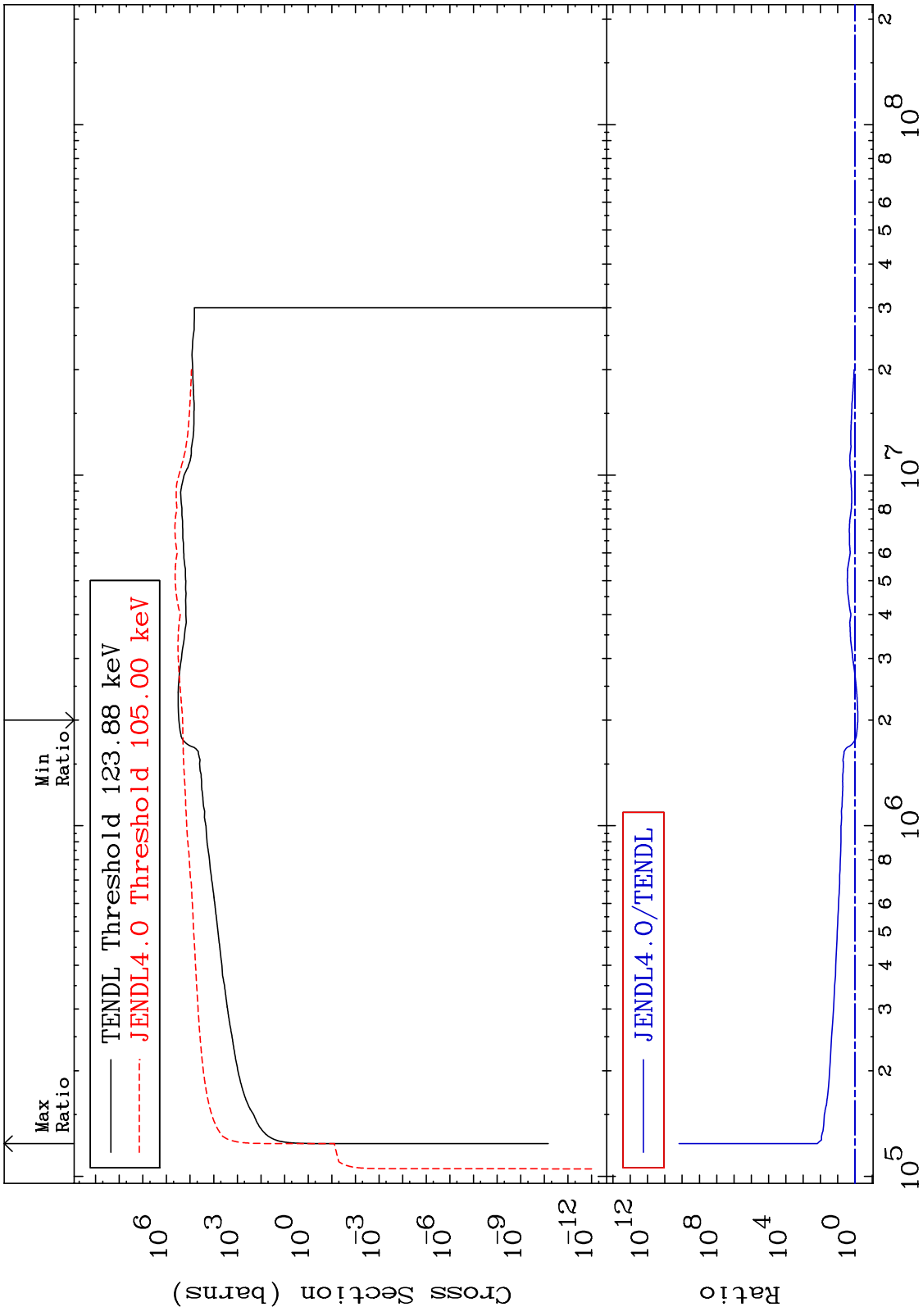
64-Gd-154  
-99.89 To 9999. %



MAT 6431 Kerma non-elastic (all but mt2) 64-Gd-154  
 Cross Section -99.86 To 9999. %



MAT 6431 Kerma inelastic (mt51-91) 64-Gd-154  
Cross Section -31.44 To 9999. %

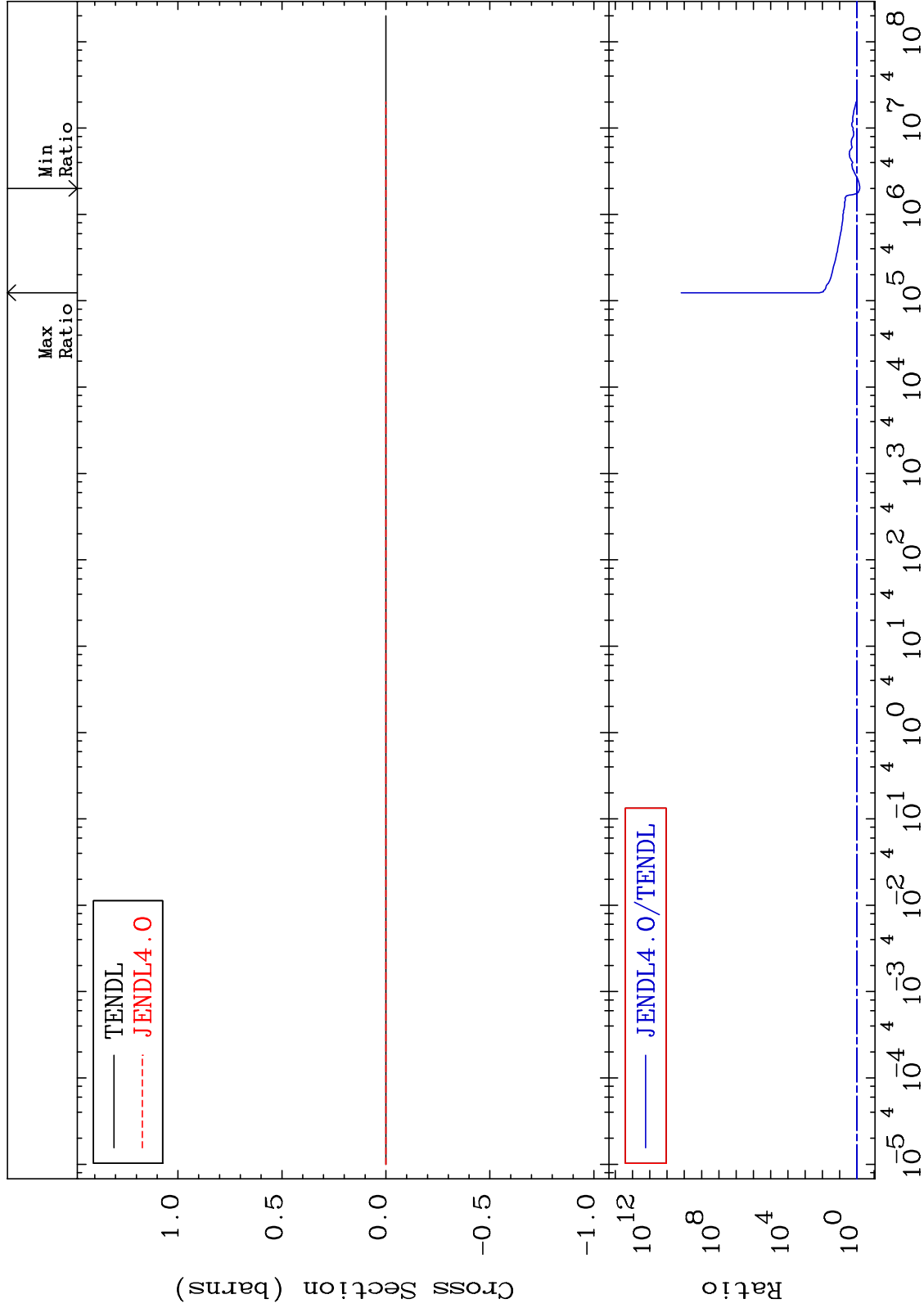


50 Incident Energy (eV) 64-Gd-154

MAT 6431

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

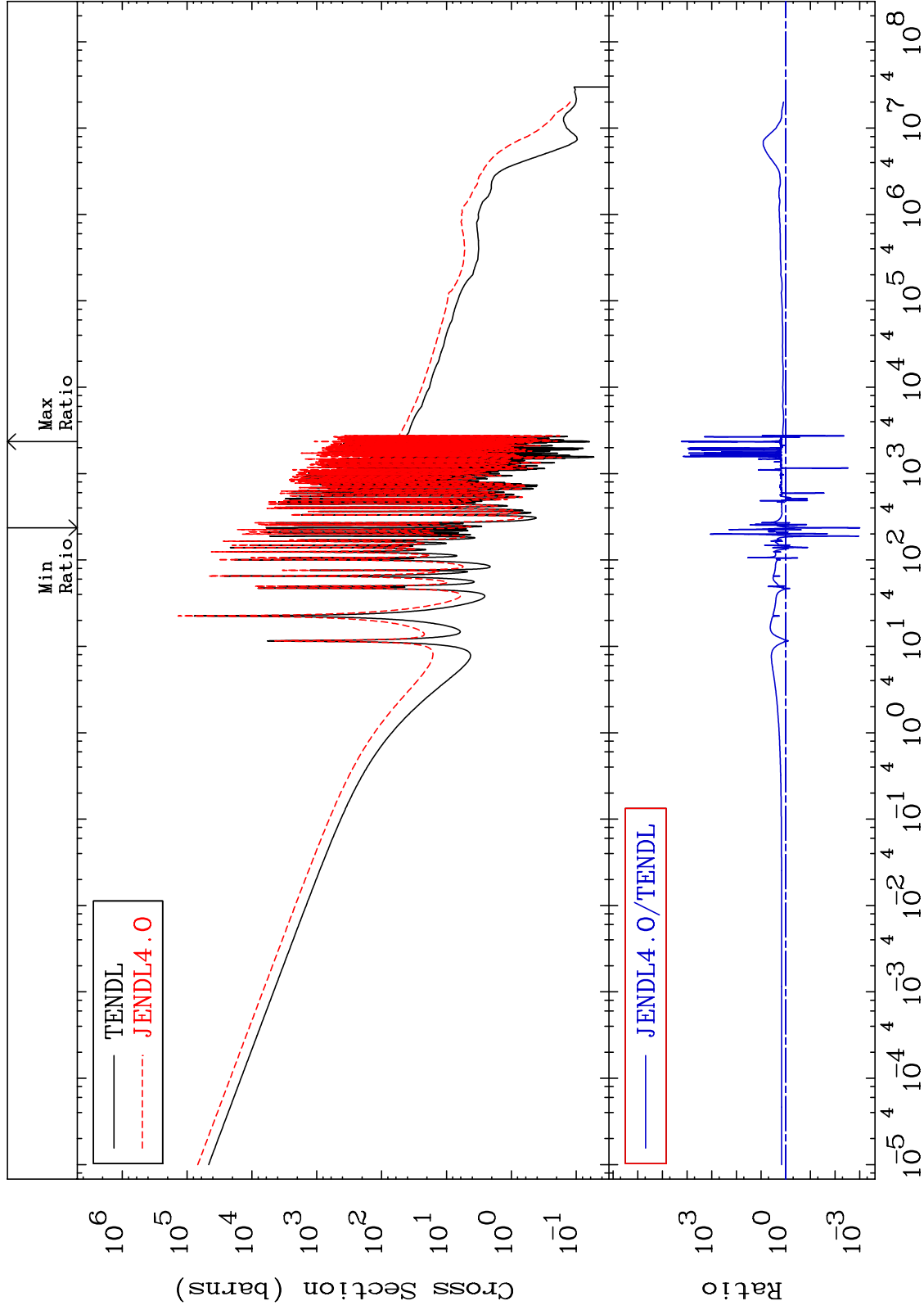
64-Gd-154  
-31.44 To 9999. %



MAT 6431

Kerma capture (mt102)  
Cross Section

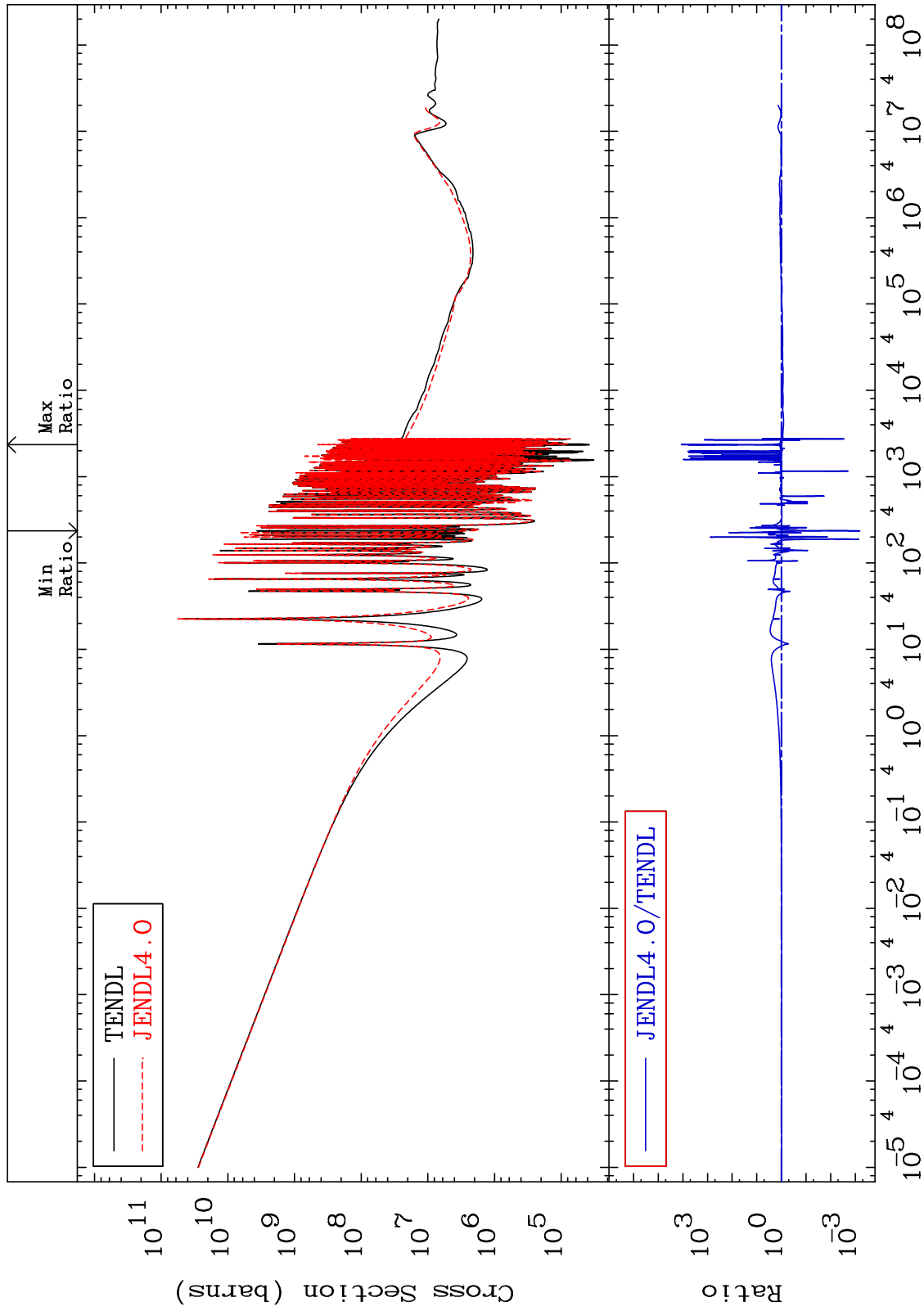
64-Gd-154  
-99.90 To 9999. %



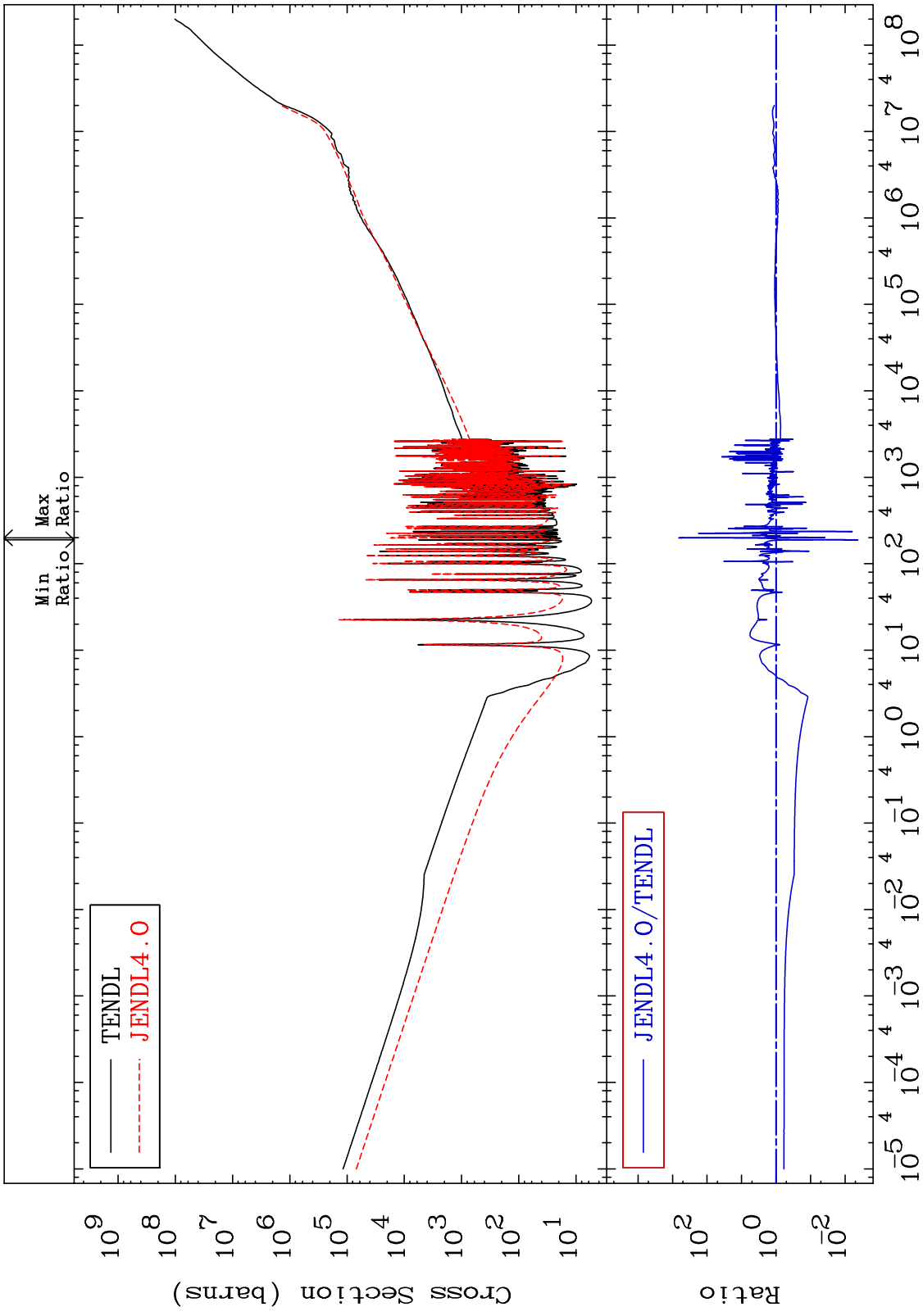
MAT 6431

Total photon (eV-barns)  
Cross Section

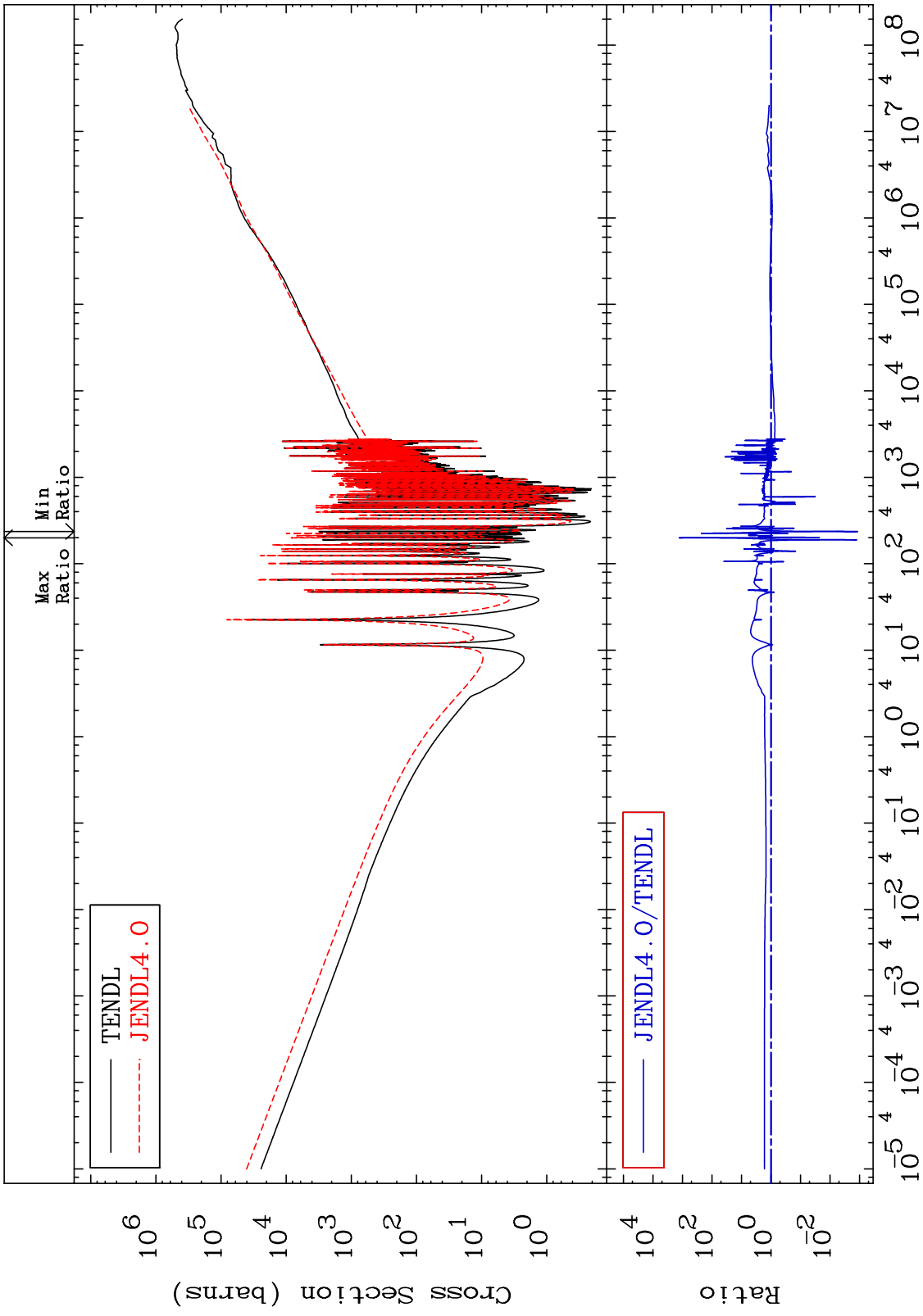
64-Gd-154  
-99.93 To 9999. %



MAT 6431 Total kinematic kerma (high limit) 64-Gd-154  
 Cross Section -99.58 To 9999. %



MAT 6431      Dpa total (eV-barns)      64-Gd-154  
 Cross Section      -99.89 To 9999. %

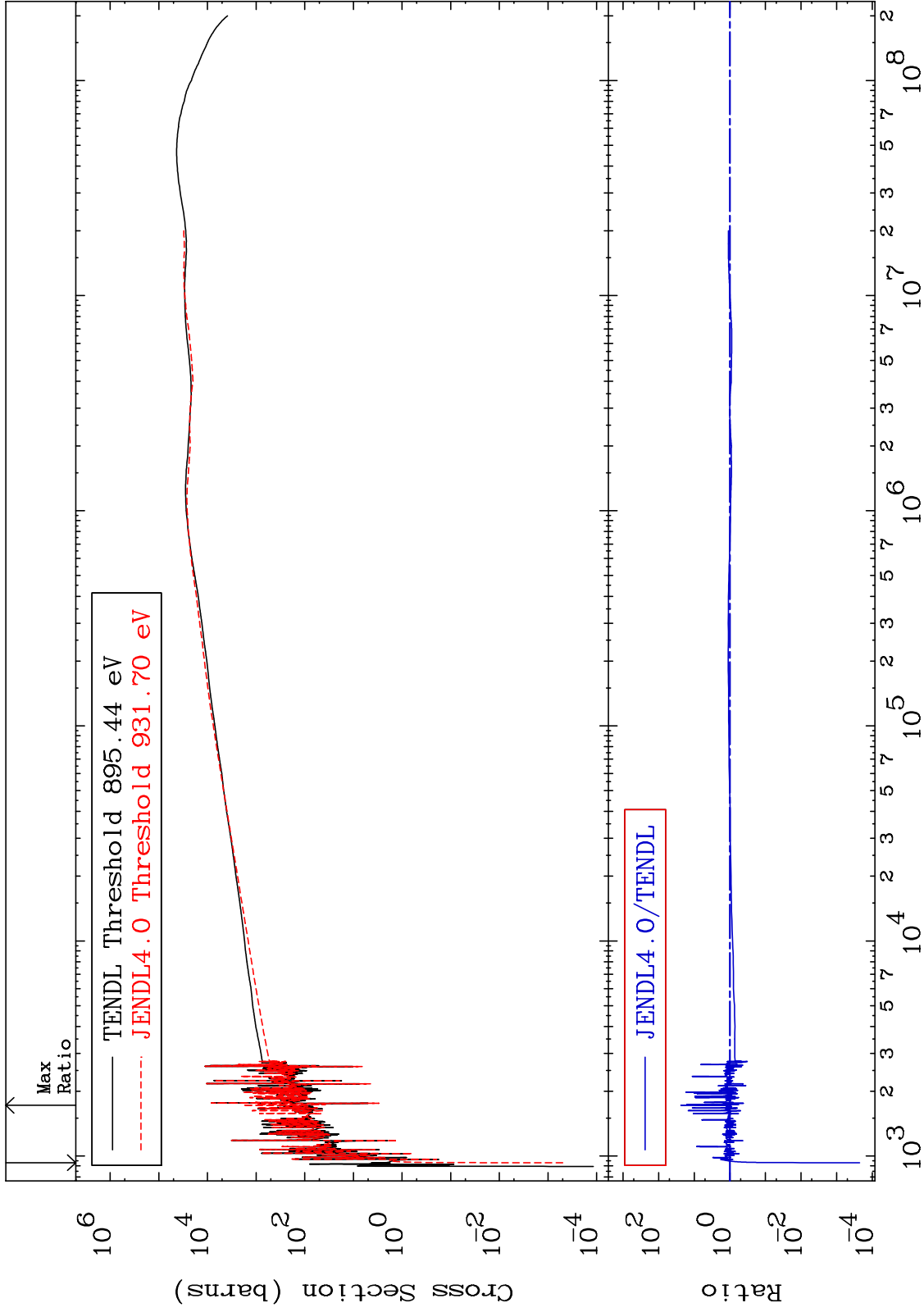




MAT 6431

Dpa elastic (mt2)  
Cross Section

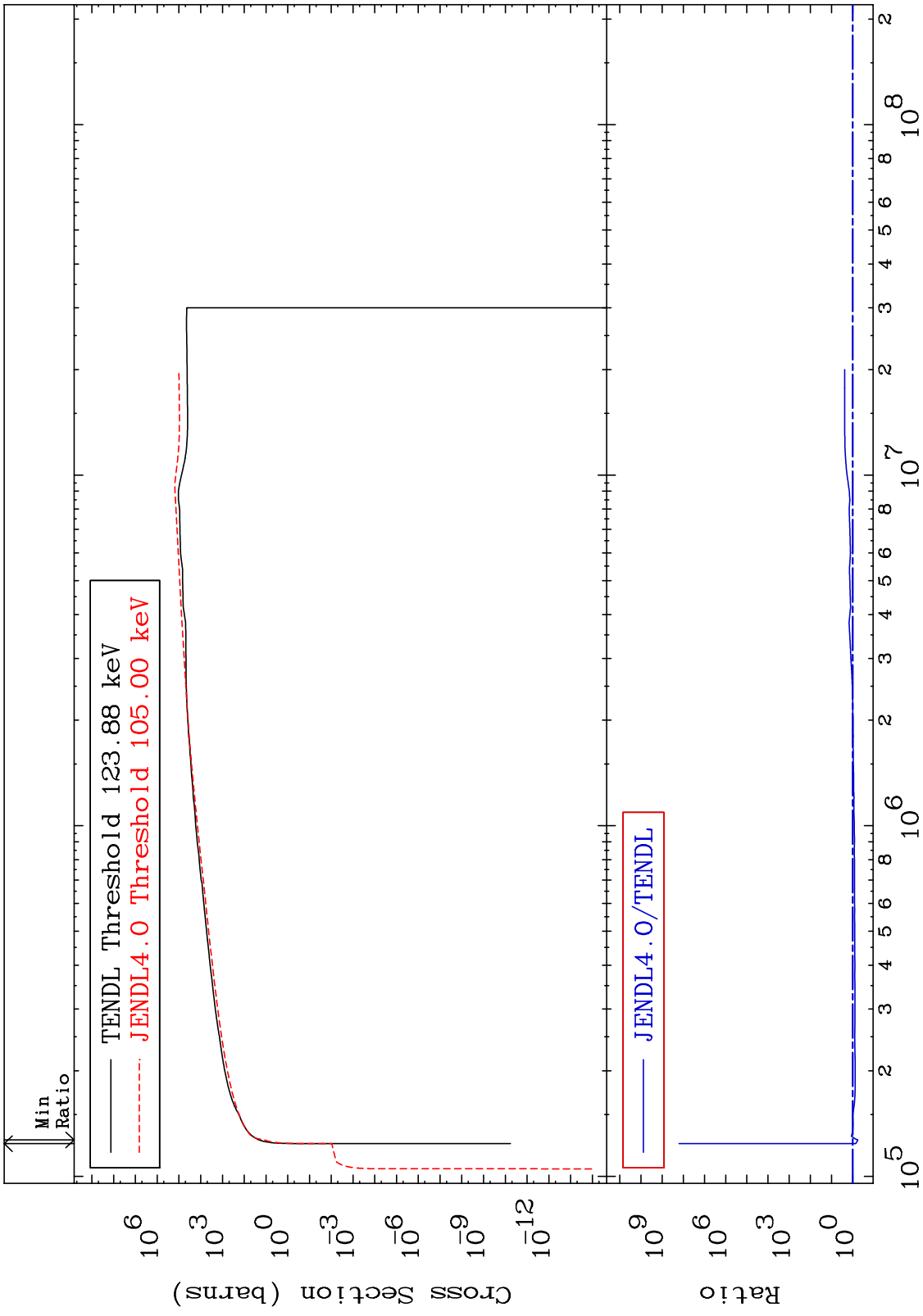
64-Gd-154  
-99.98 To 2284. %



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64-Gd-154

MAT 6431      Dpa inelastic (mt51-91)      64-Gd-154  
 Cross Section      -43.09 To 9999. %



MAT 6431      Dpa disappearance (mt102 -120)      64-Gd-154  
 Cross Section      -99.89 To 9999. %

