

Program Complot  
(Version 2021-1)

by

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Press Mouse Button to Start

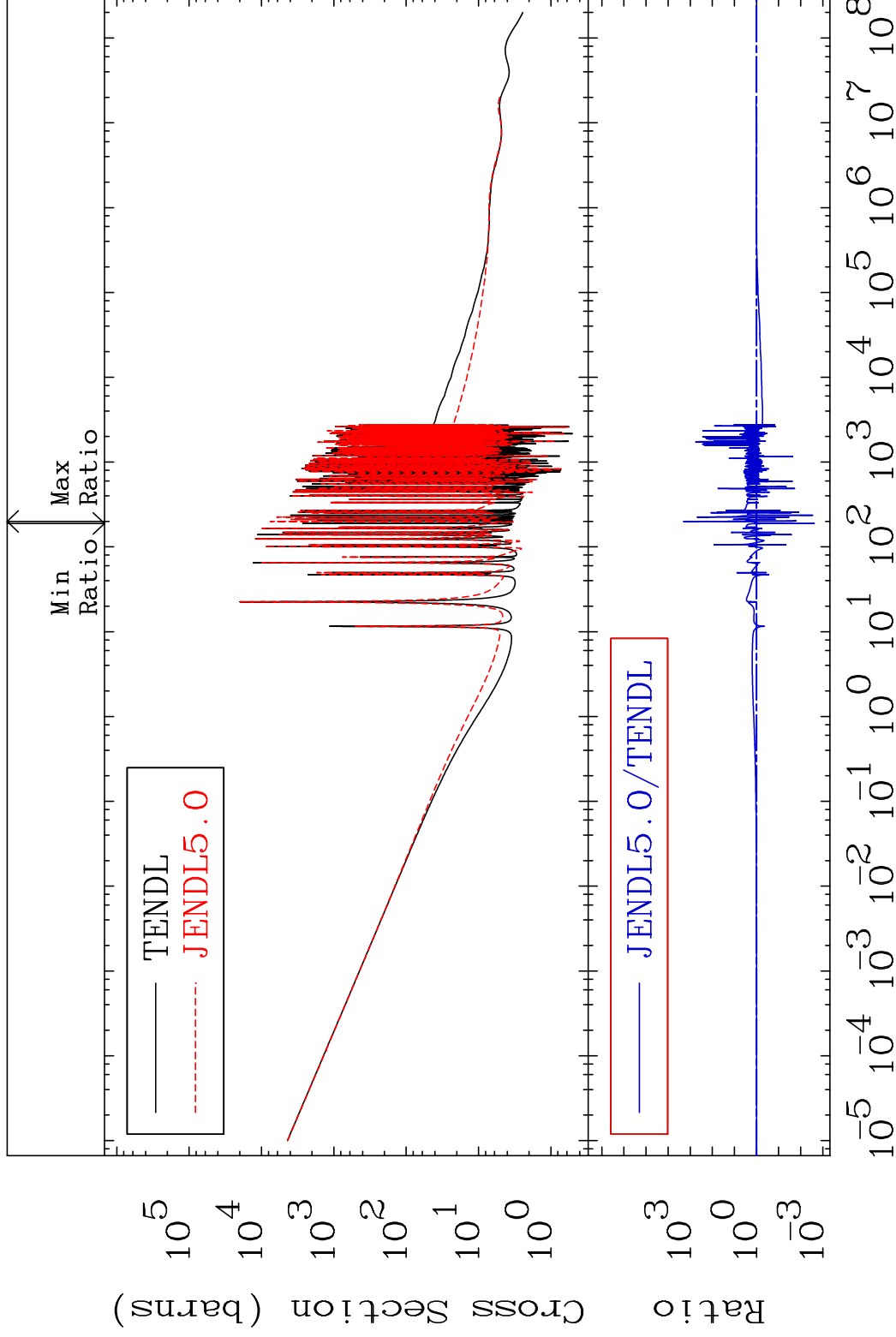
MAT 6431

Total

64-Gd-154

Cross Section

-99.75 To 9999. %



1

Incident Energy (eV)

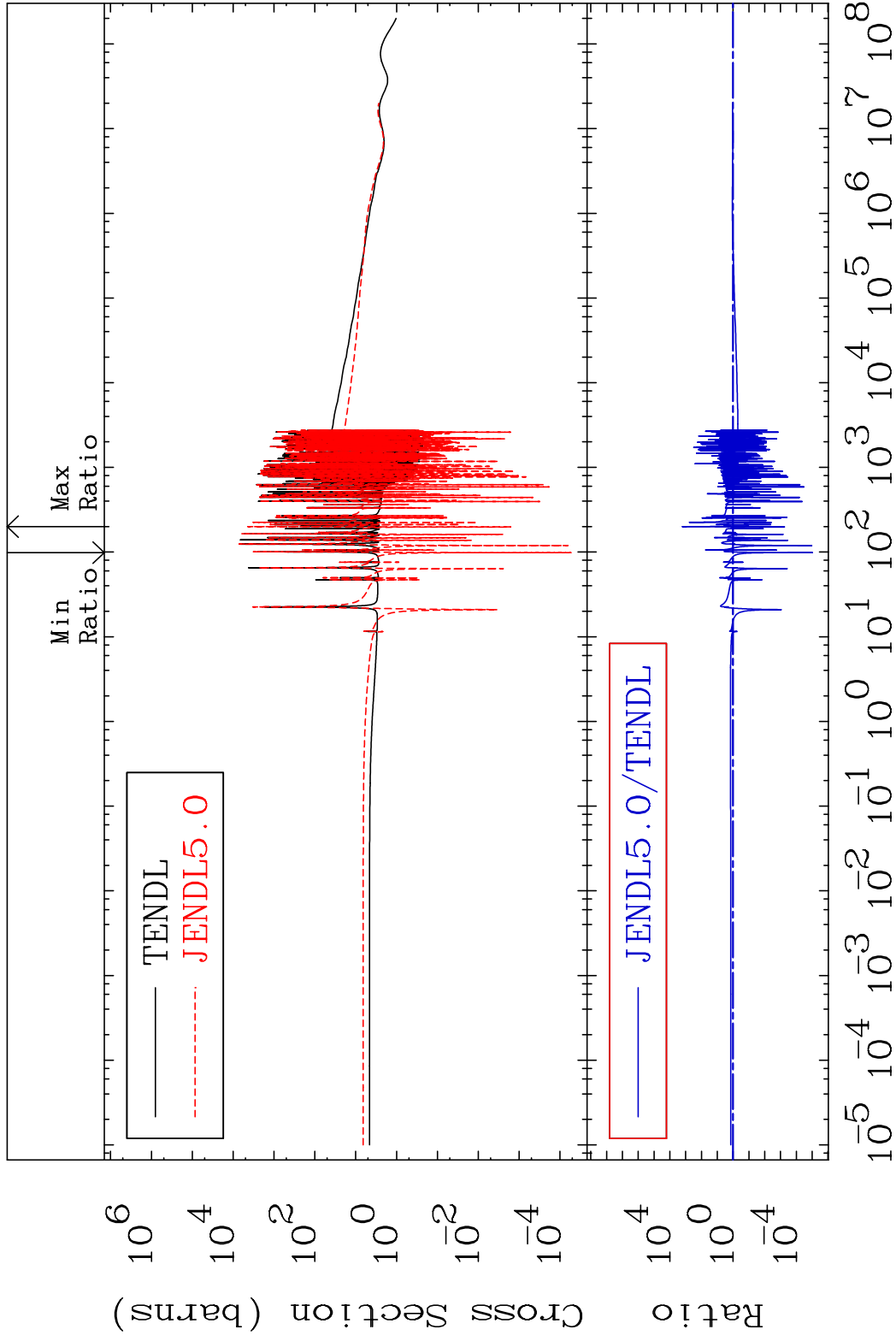
64-Gd-154

MAT 6431

Elastic

64-Gd-154

Cross Section -100.0 To 9999. %



2

Incident Energy (eV)

64-Gd-154

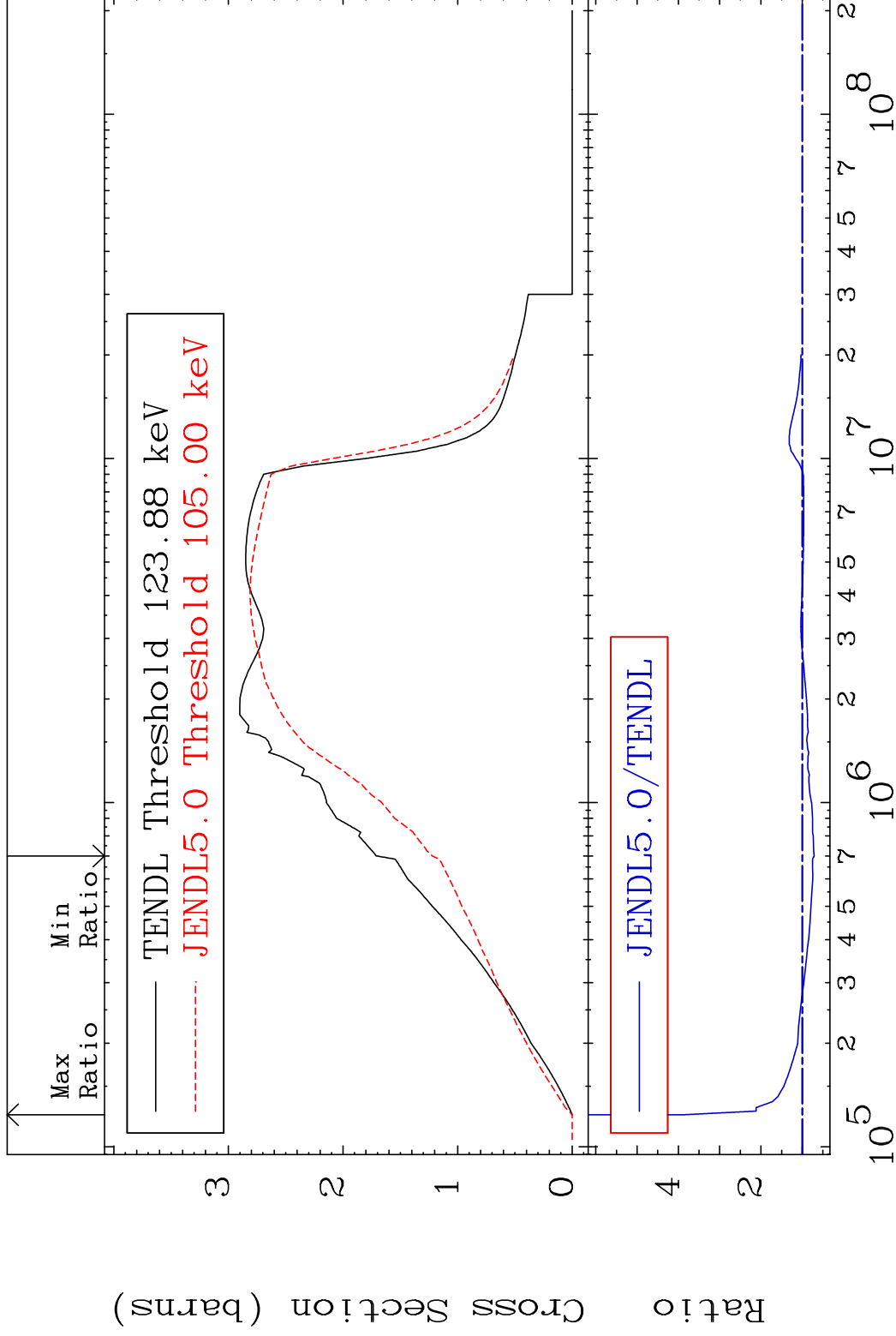
MAT 6431

Inelastic

64-Gd-154

Cross Section

-28.64 To 287.2 %



3

Incident Energy (eV)

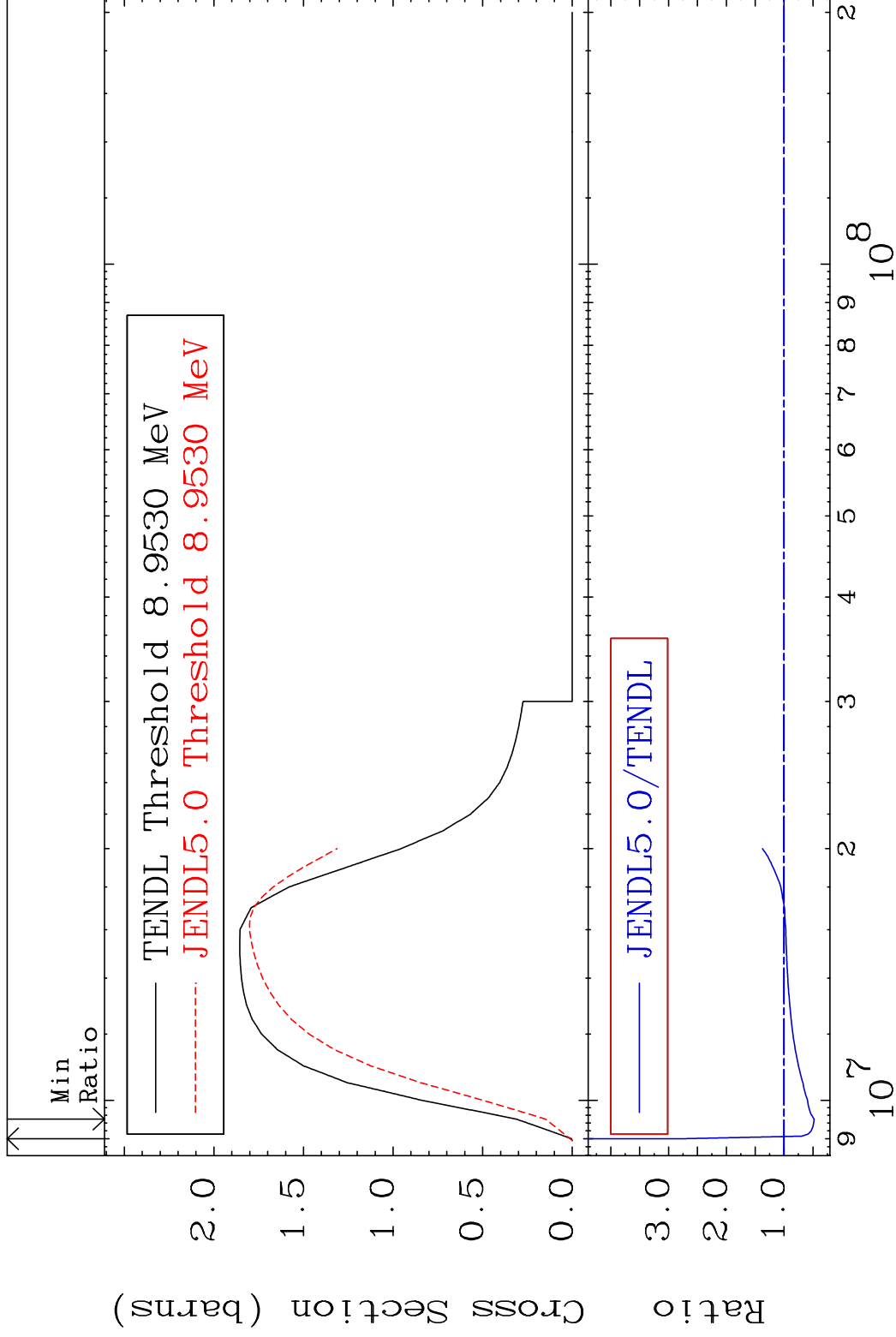
64-Gd-154

MAT 6431

(n,2n)

64-Gd-154

Cross Section -52.02 To 173.9 %



4

Incident Energy (eV)

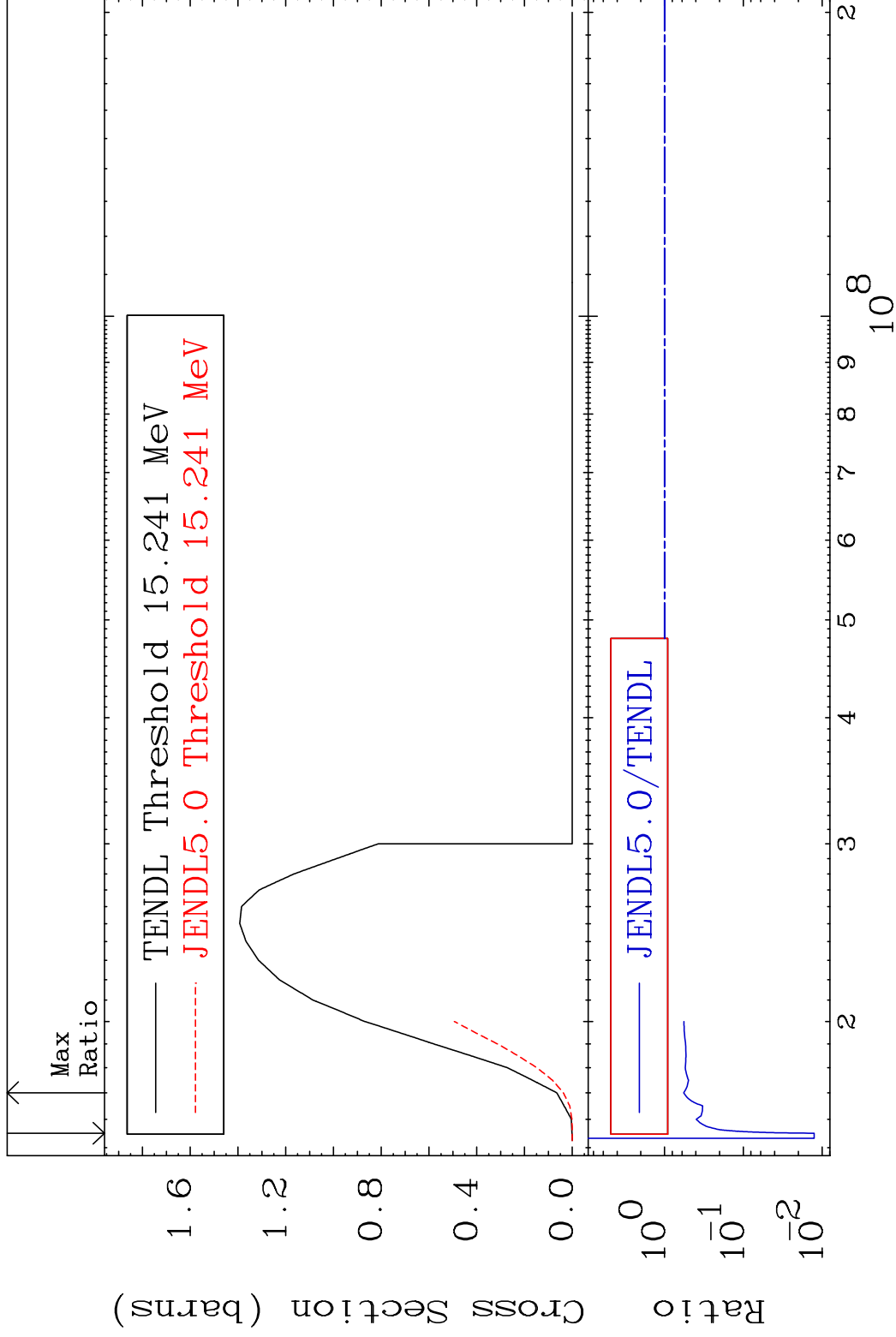
64-Gd-154

MAT 6431

(n,3n)

64-Gd-154

Cross Section -98.74 To -42.81%



5

Incident Energy (eV)

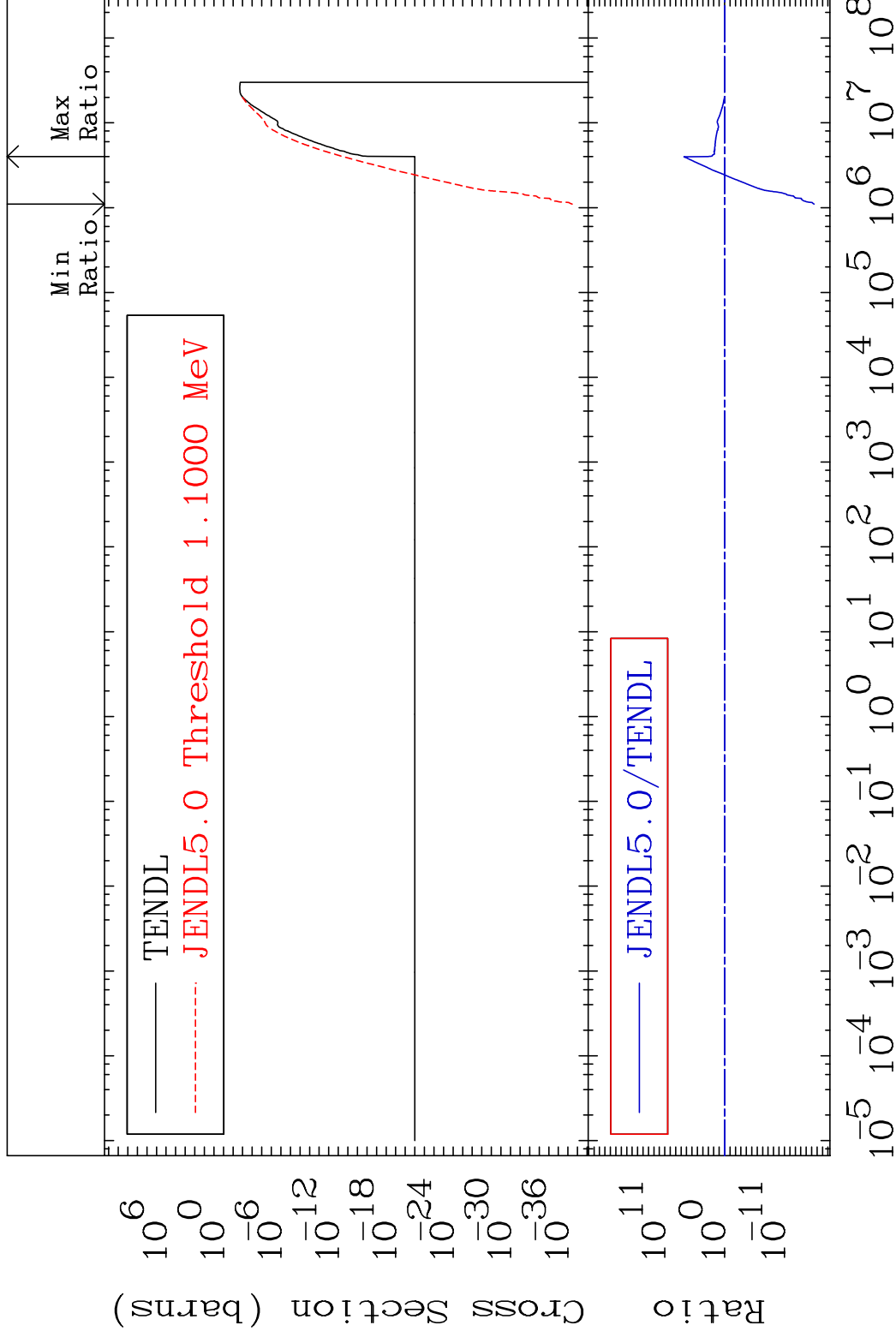
64-Gd-154

MAT 6431

(n, n')  $\alpha$

64-Gd-154

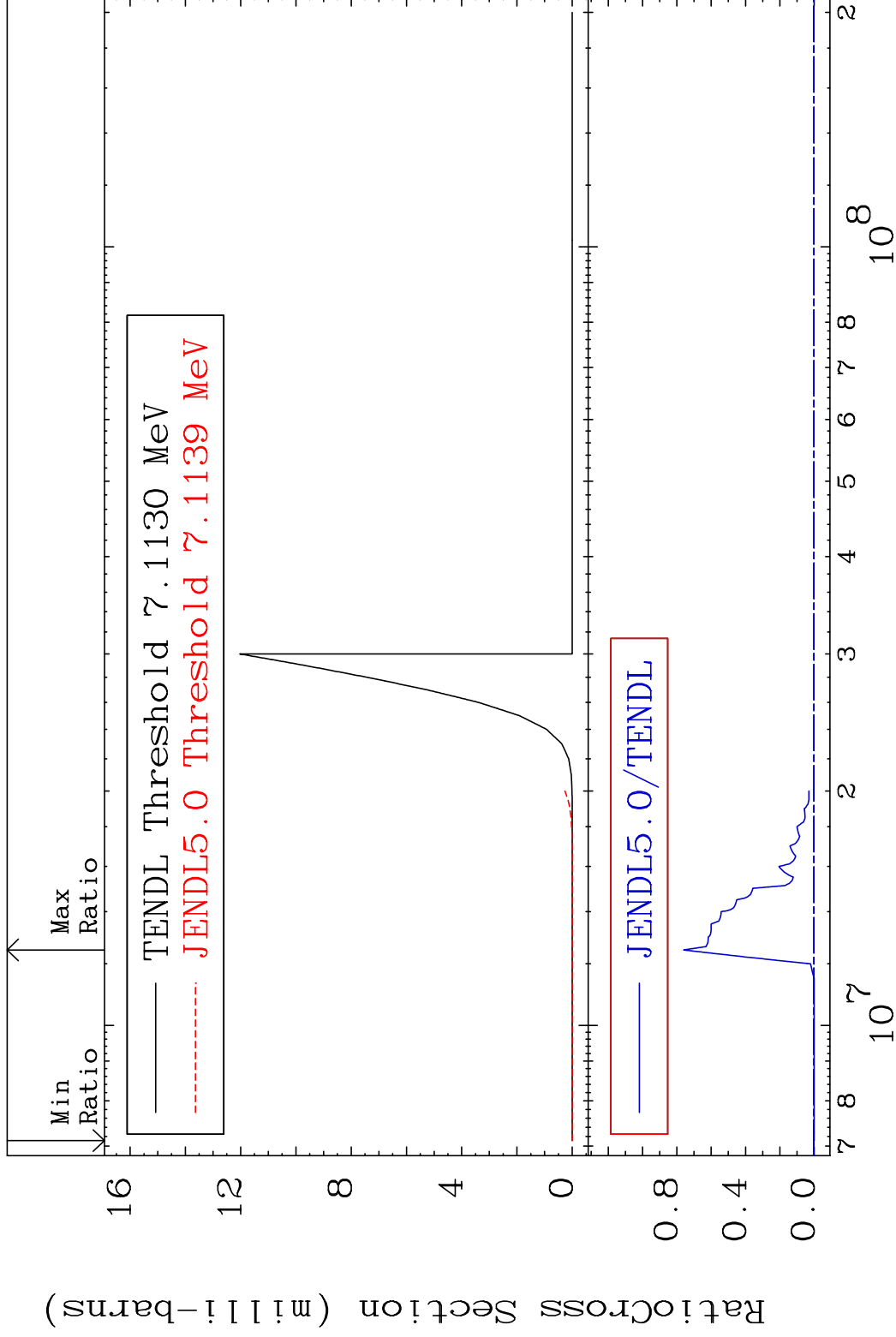
Cross Section -100.0 To 9999. %



MAT 6431

(n,2n)  $\alpha$  64-Gd-154

Cross Section -100.0 To 9999. %



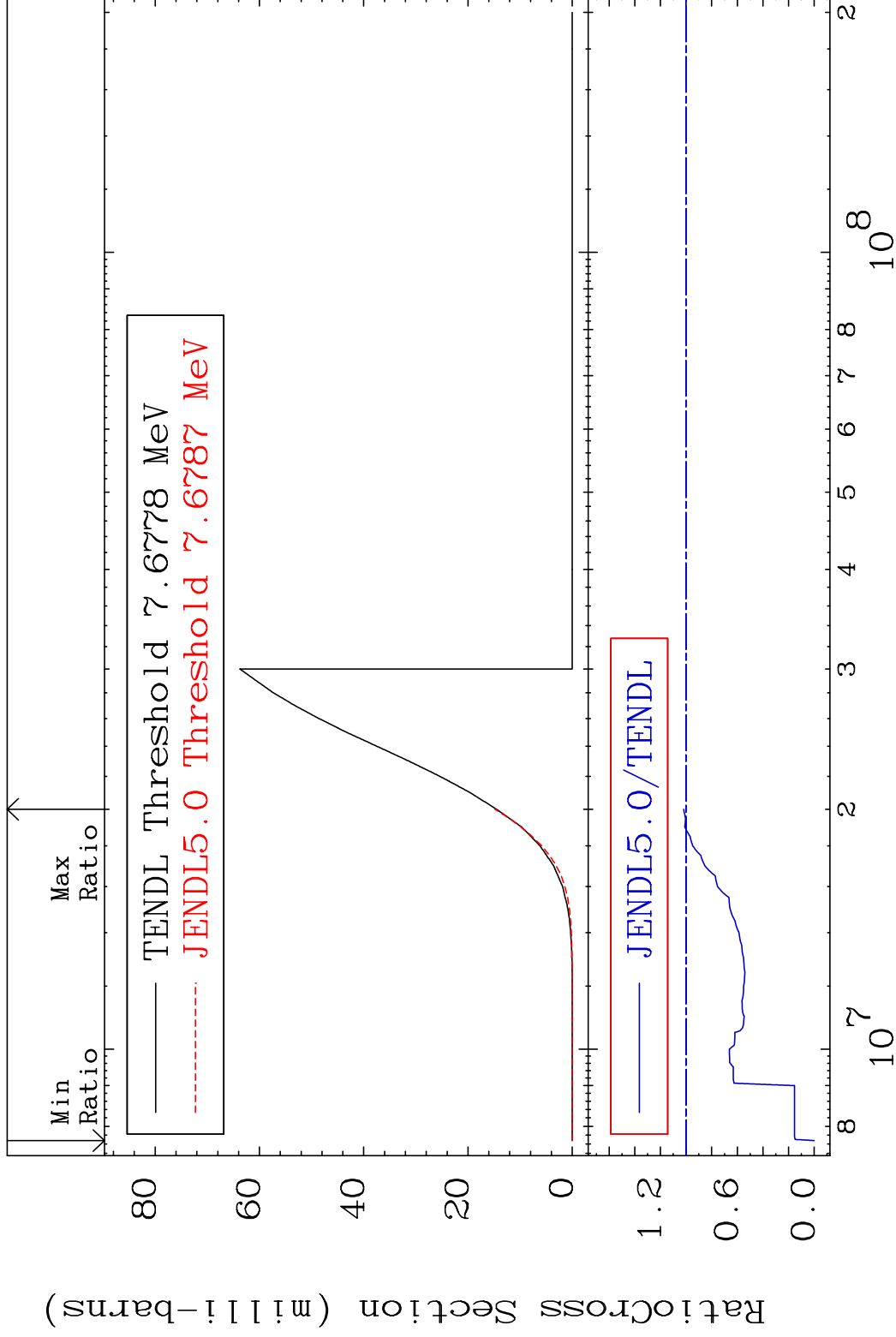
7

Incident Energy (eV)

64-Gd-154

MAT 6431

(n, n') p 64-Gd-154  
Cross Section -100.0 To 1.881 %



8

Incident Energy (eV)

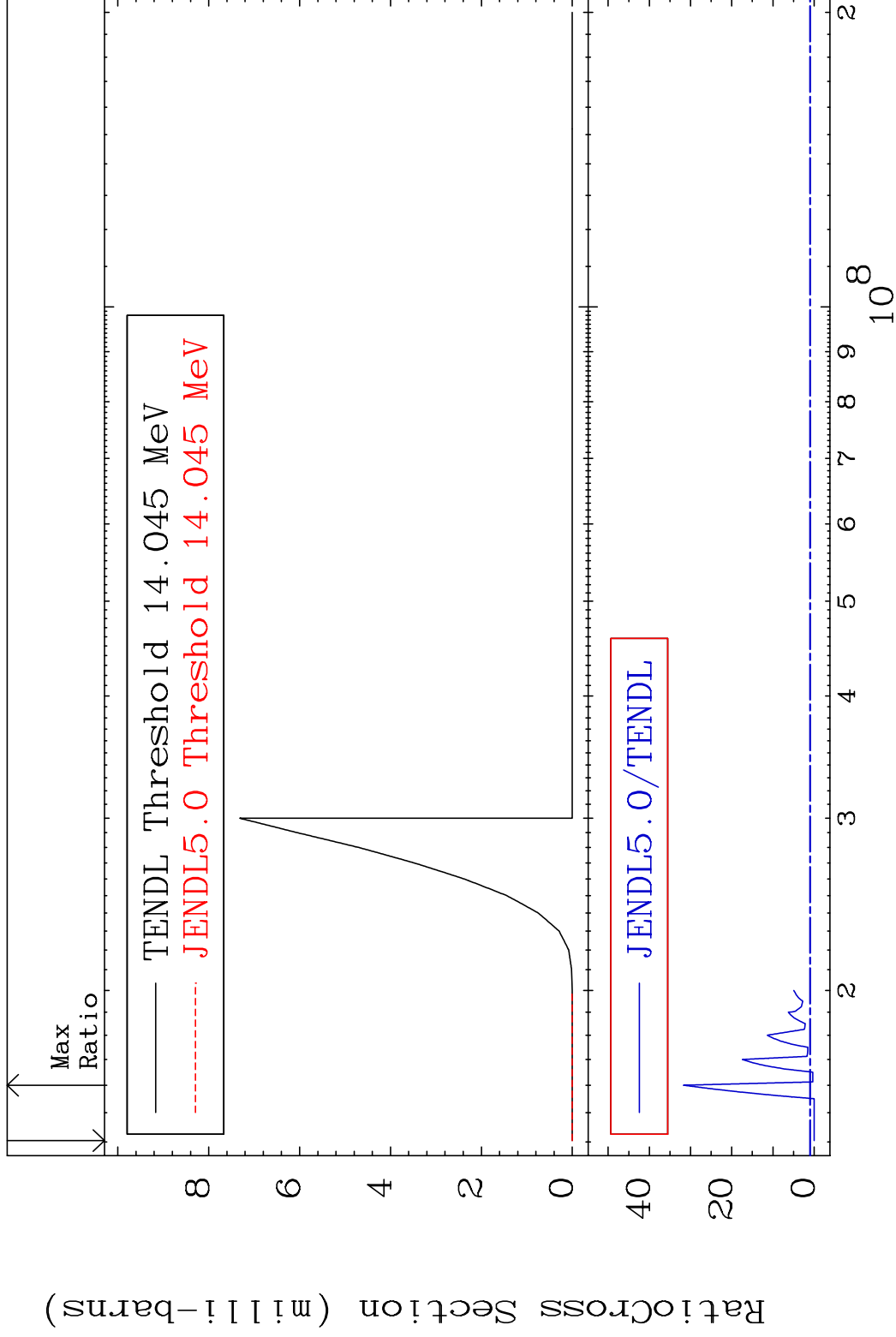
64-Gd-154

MAT 6431

(n, n') d

64-Gd-154

Cross Section -100.0 To 3067. %

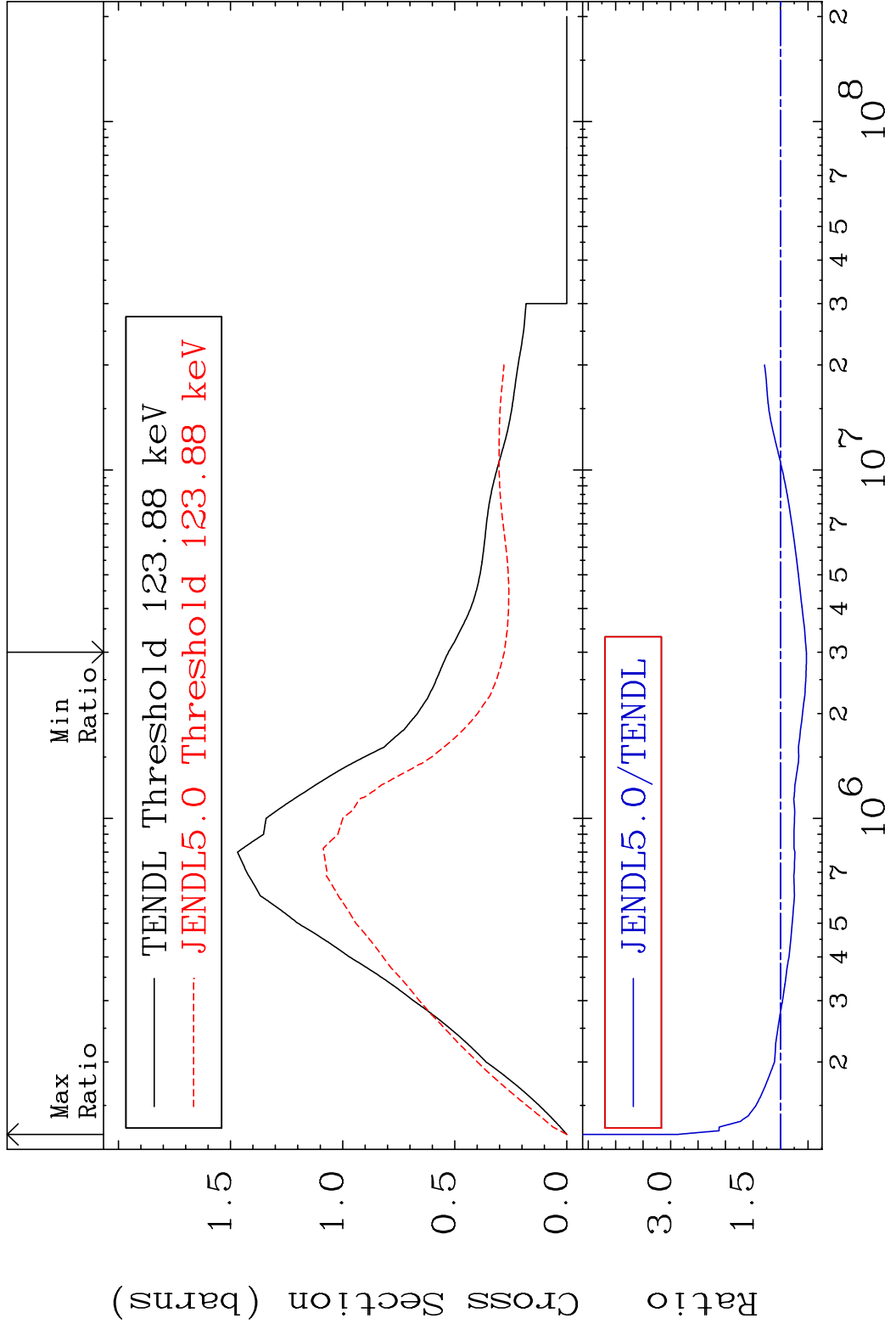


9

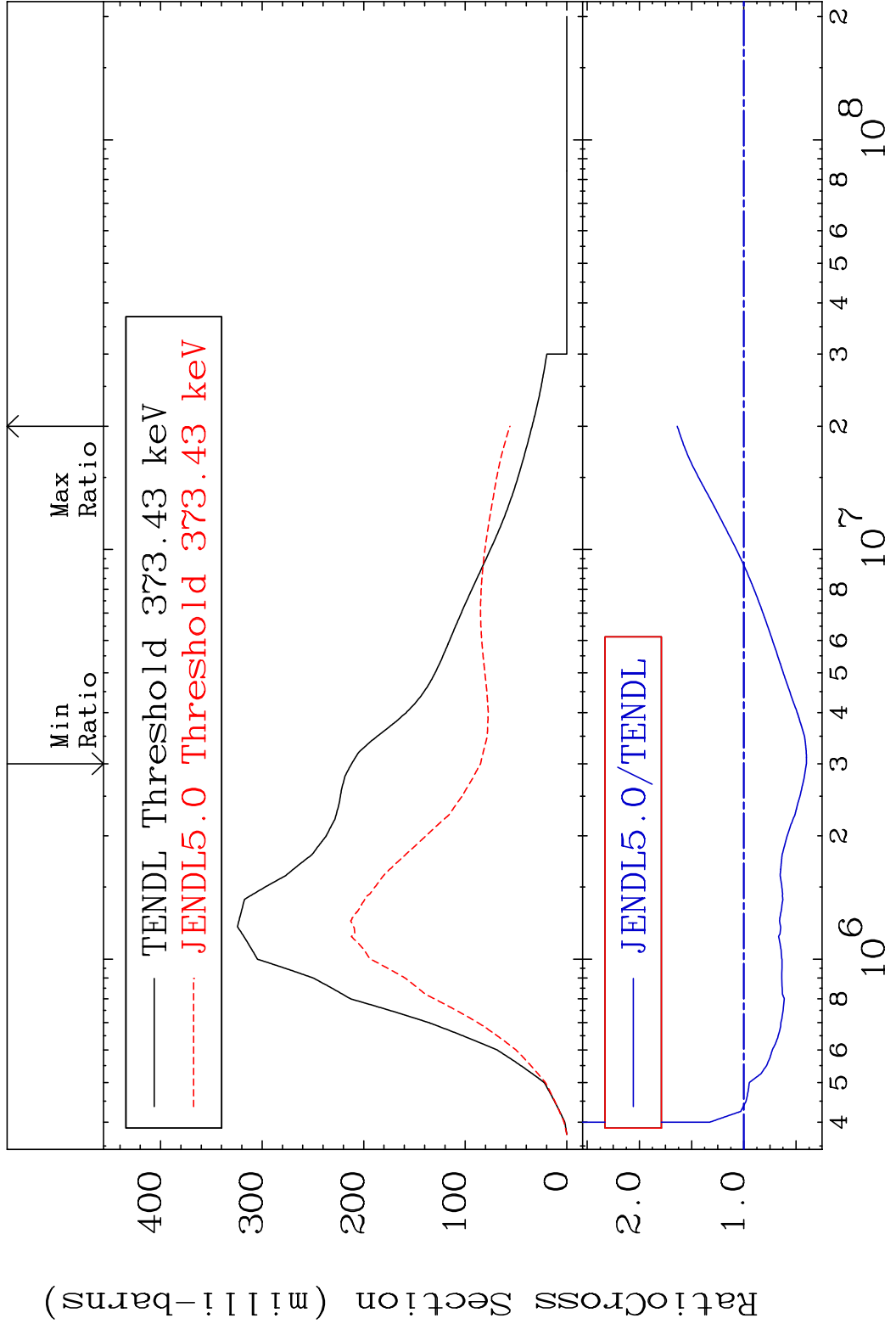
Incident Energy (eV)

64-Gd-154

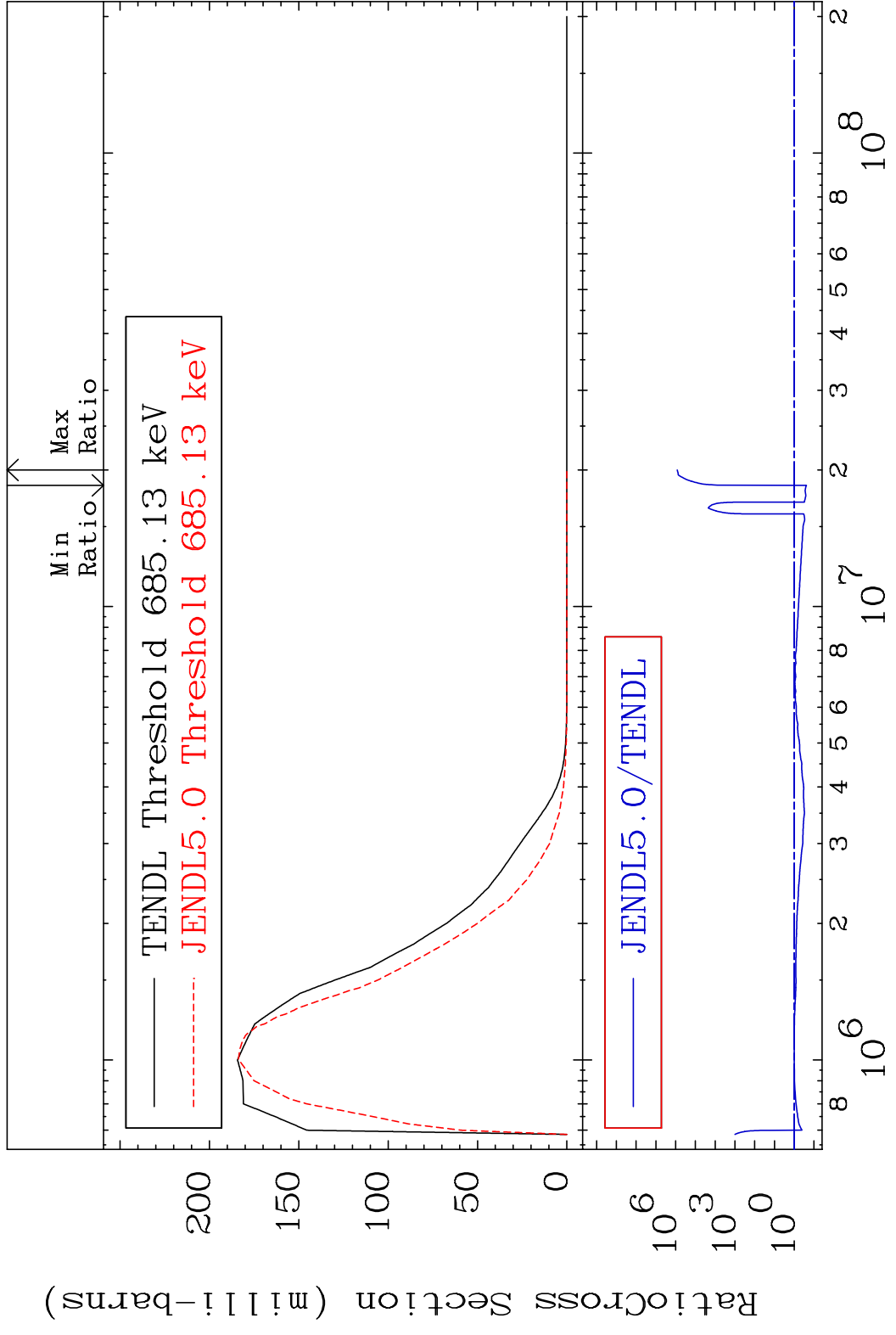
MAT 6431 MT= 51 (n,n') Level 64-Gd-154  
 Cross Section -47.21 To 188.0 %



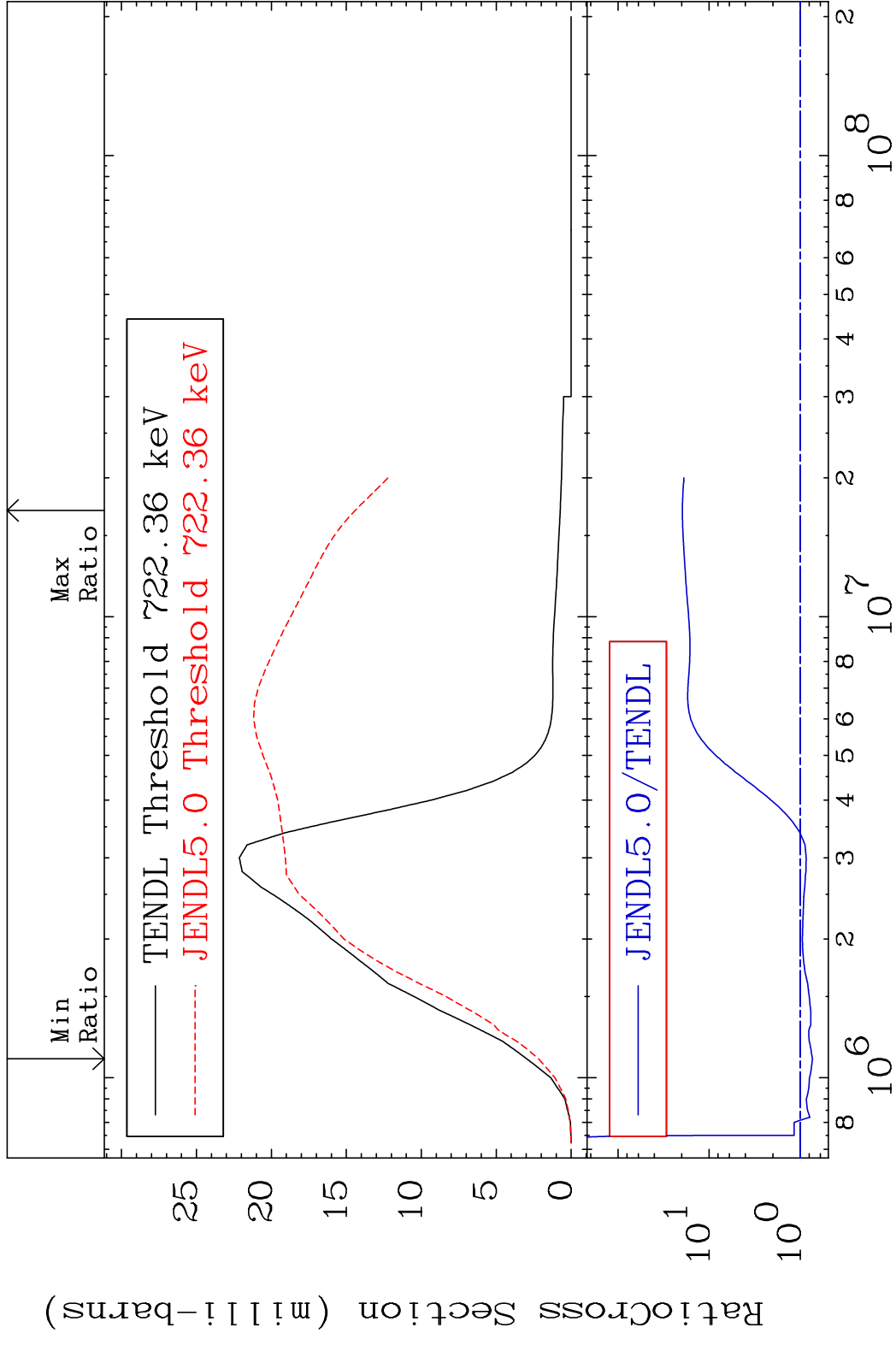
MAT 6431 MT= 52 (n, n') Level 64-Gd-154  
 Cross Section -59.89 To 63.79 %



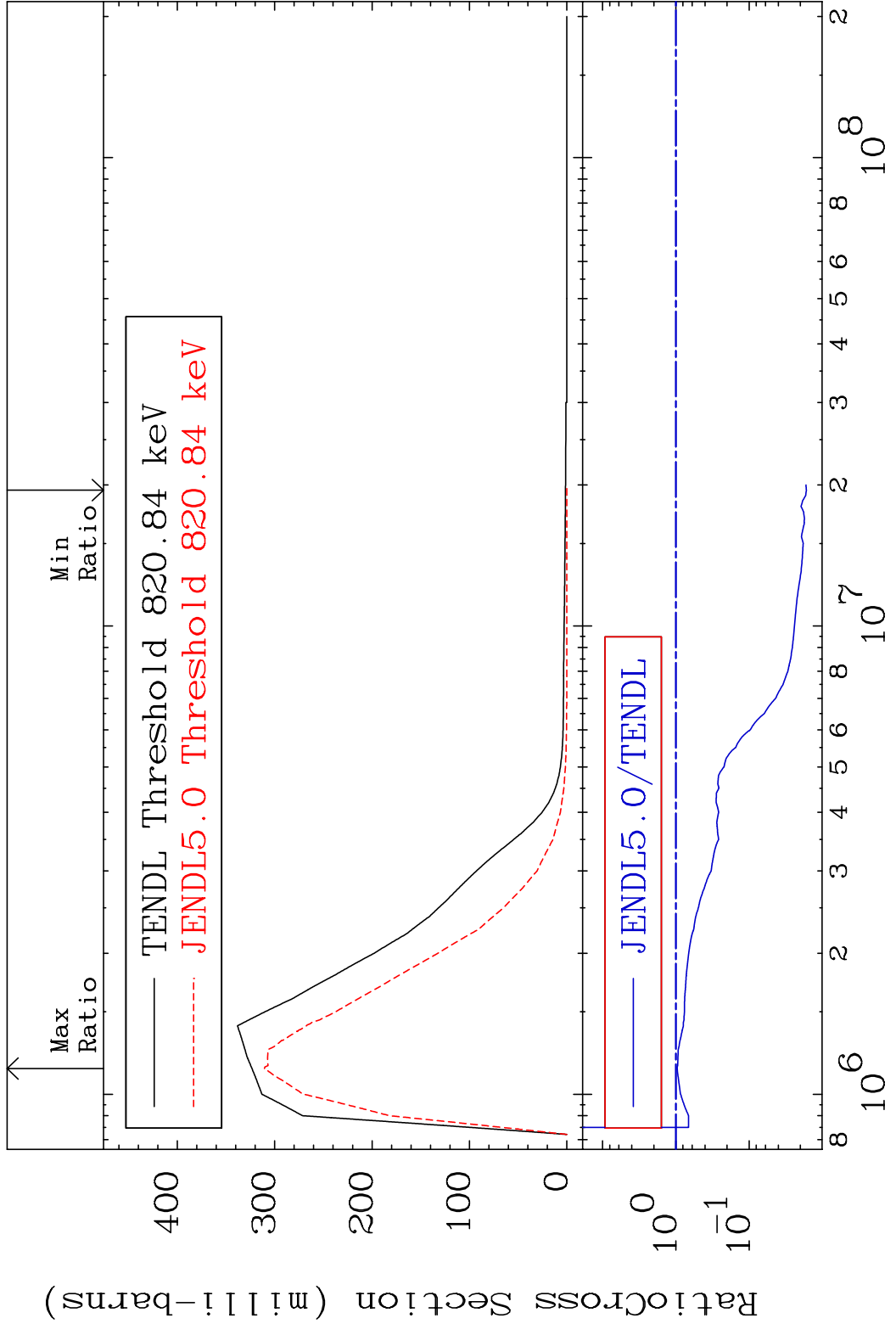
MAT 6431 MT= 53 (n, n') Level 64-Gd-154  
 Cross Section -75.83 To 9999. %



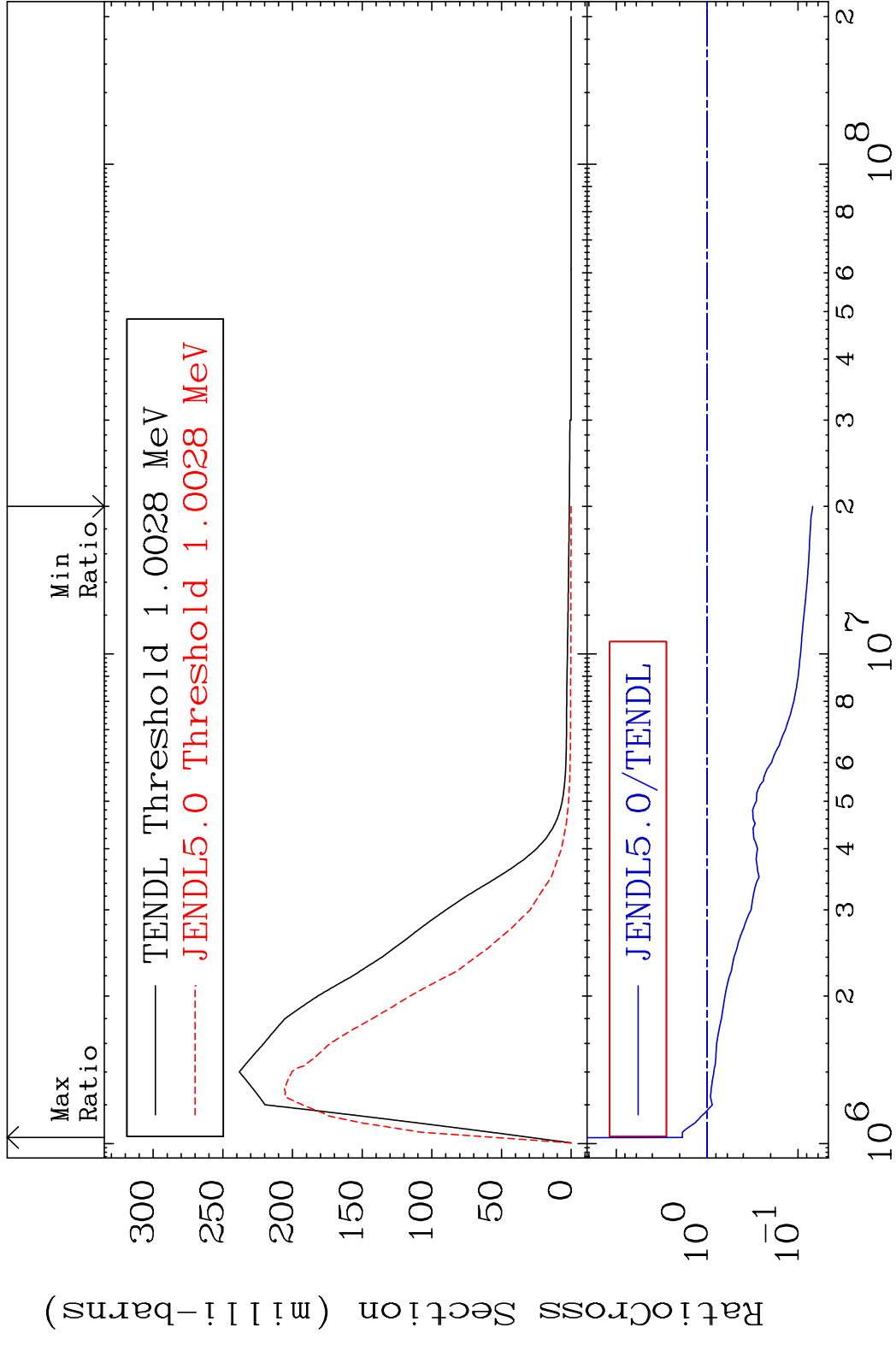
MAT 6431 MT= 54 (n, n') Level 64-Gd-154  
 Cross Section -26.73 To 1870. %



MAT 6431 MT= 55 (n, n') Level 64-Gd-154  
 Cross Section -98.35 To -3.988%

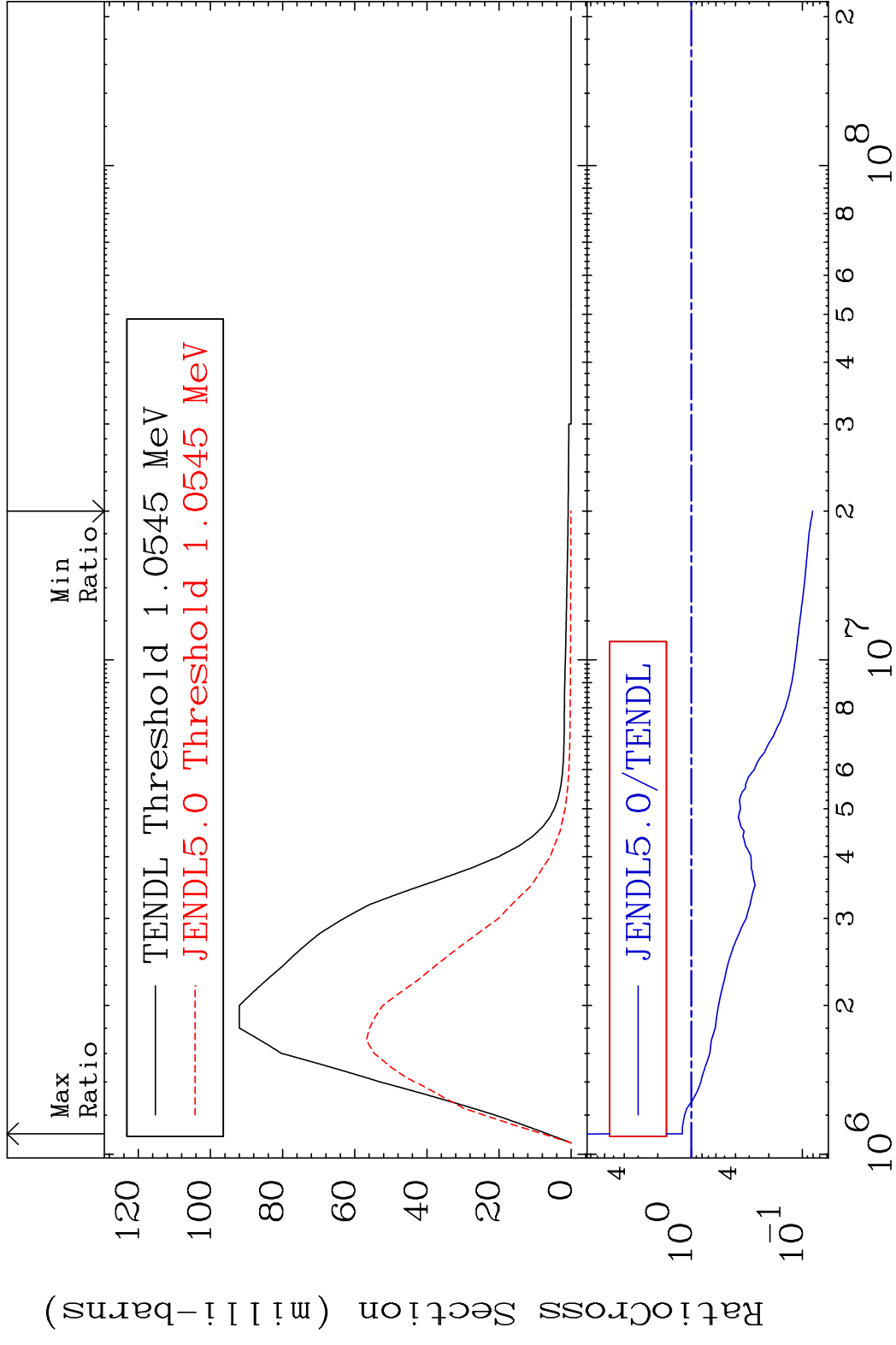


MAT 6431 MT= 56 (n, n') Level 64-Gd-154  
 Cross Section -93.09 To 87.09 %



15 64-Gd-154

MAT 6431 MT= 57 (n, n') Level 64-Gd-154  
 Cross Section -91.91 To 20.08 %

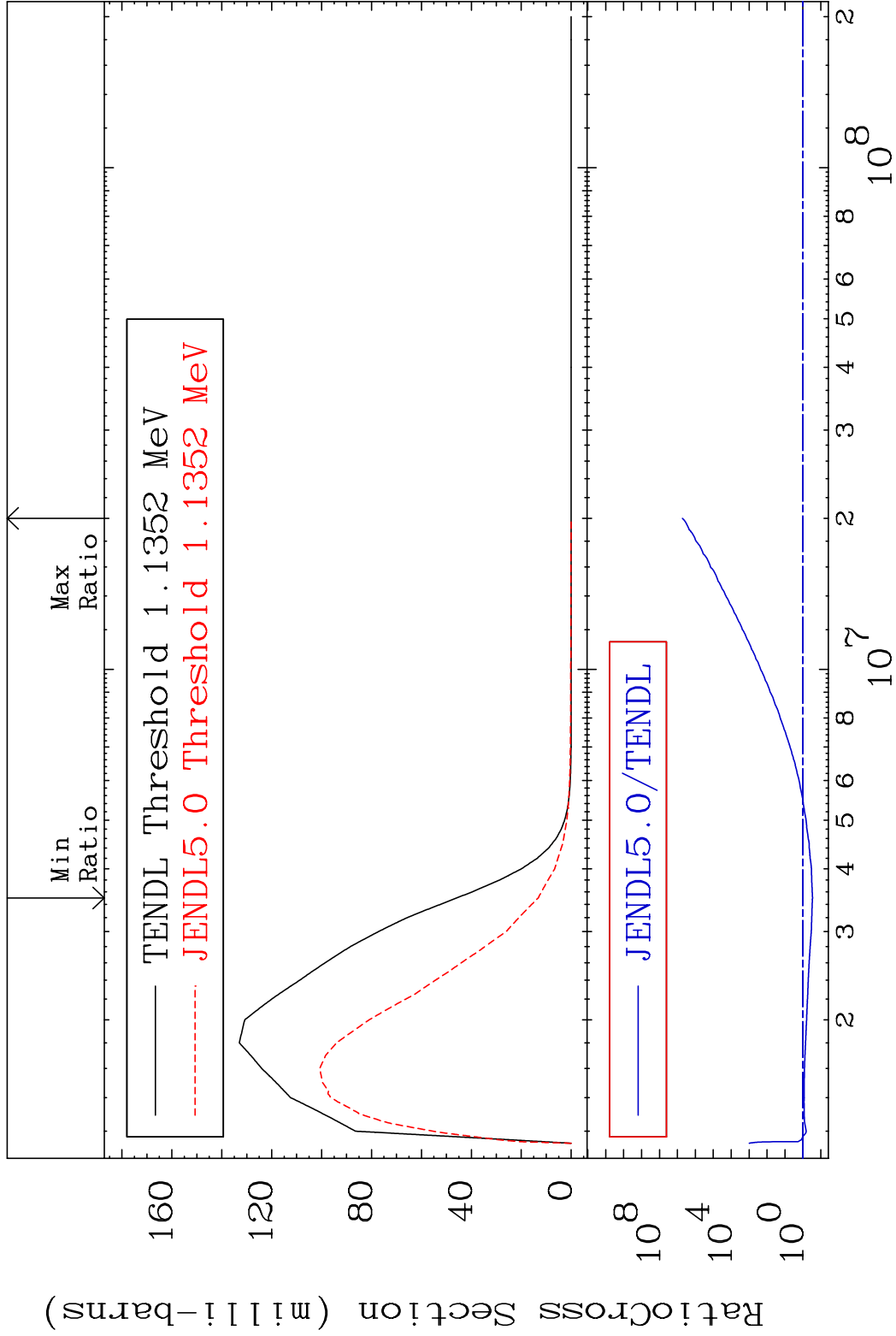


MAT 6431

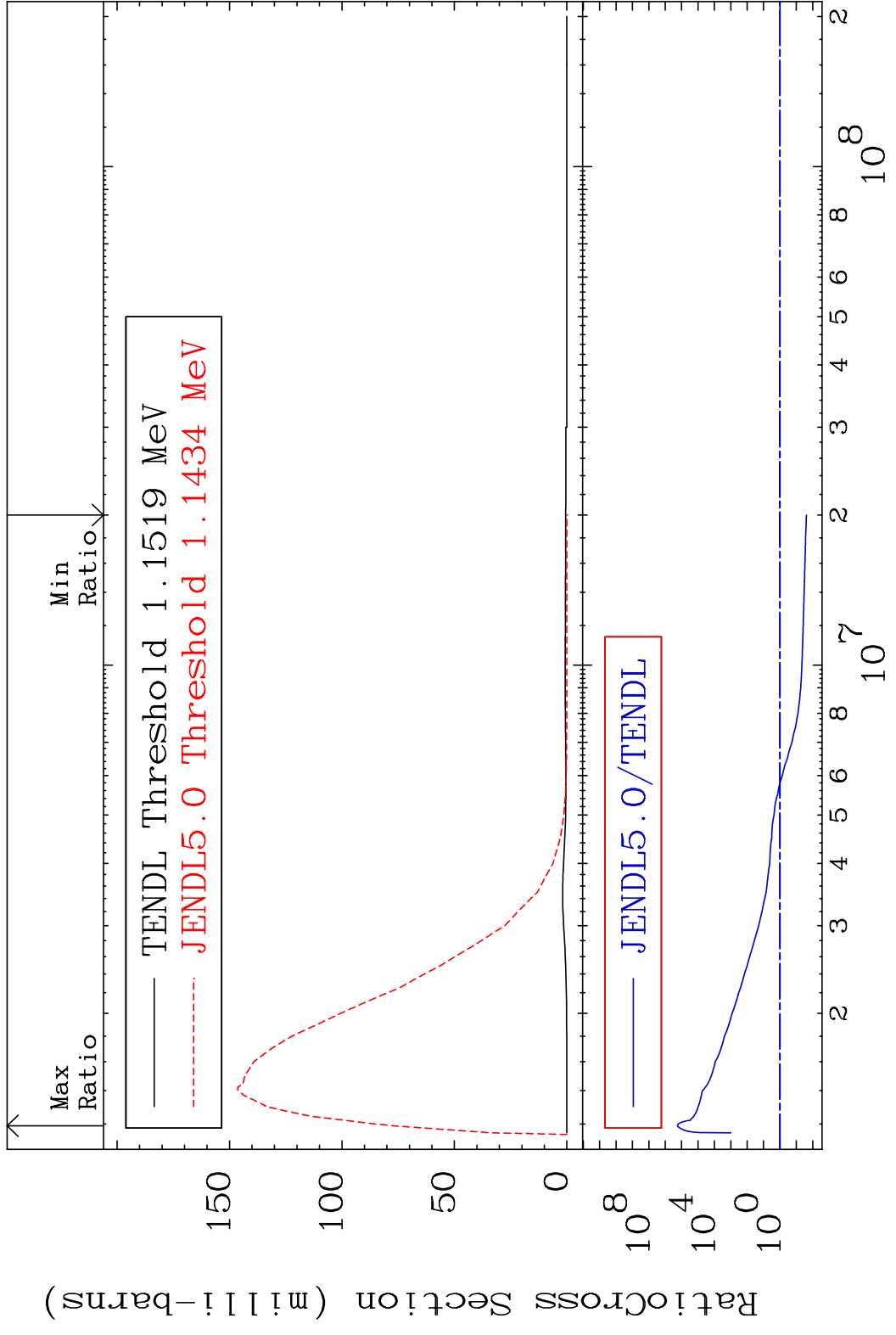
MT= 58 (n, n') Level

64-Gd-154

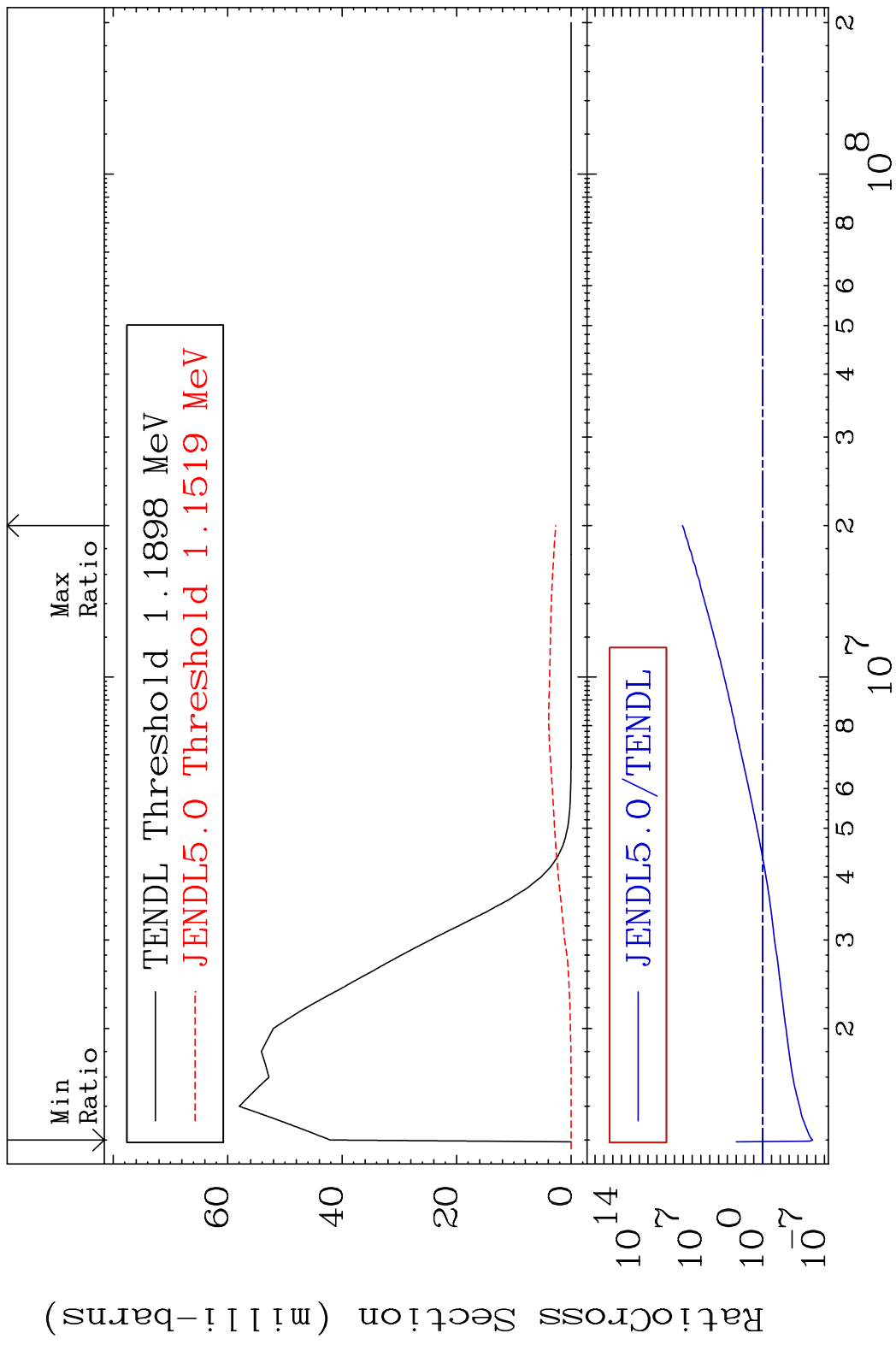
Cross Section -71.24 To 9999. %



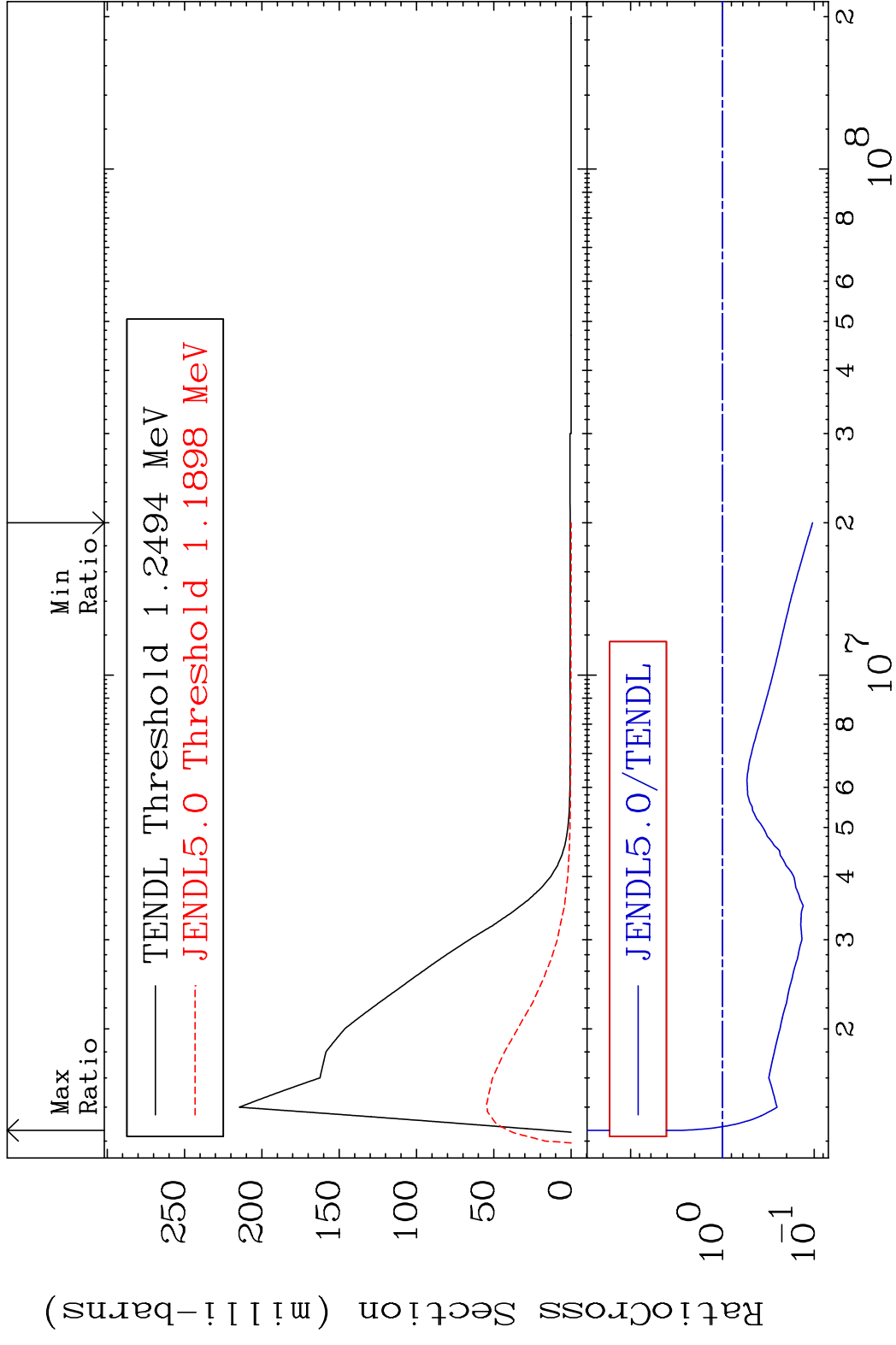
MAT 6431 MT= 59 (n, n') Level 64-Gd-154  
 Cross Section -97.57 To 9999. %



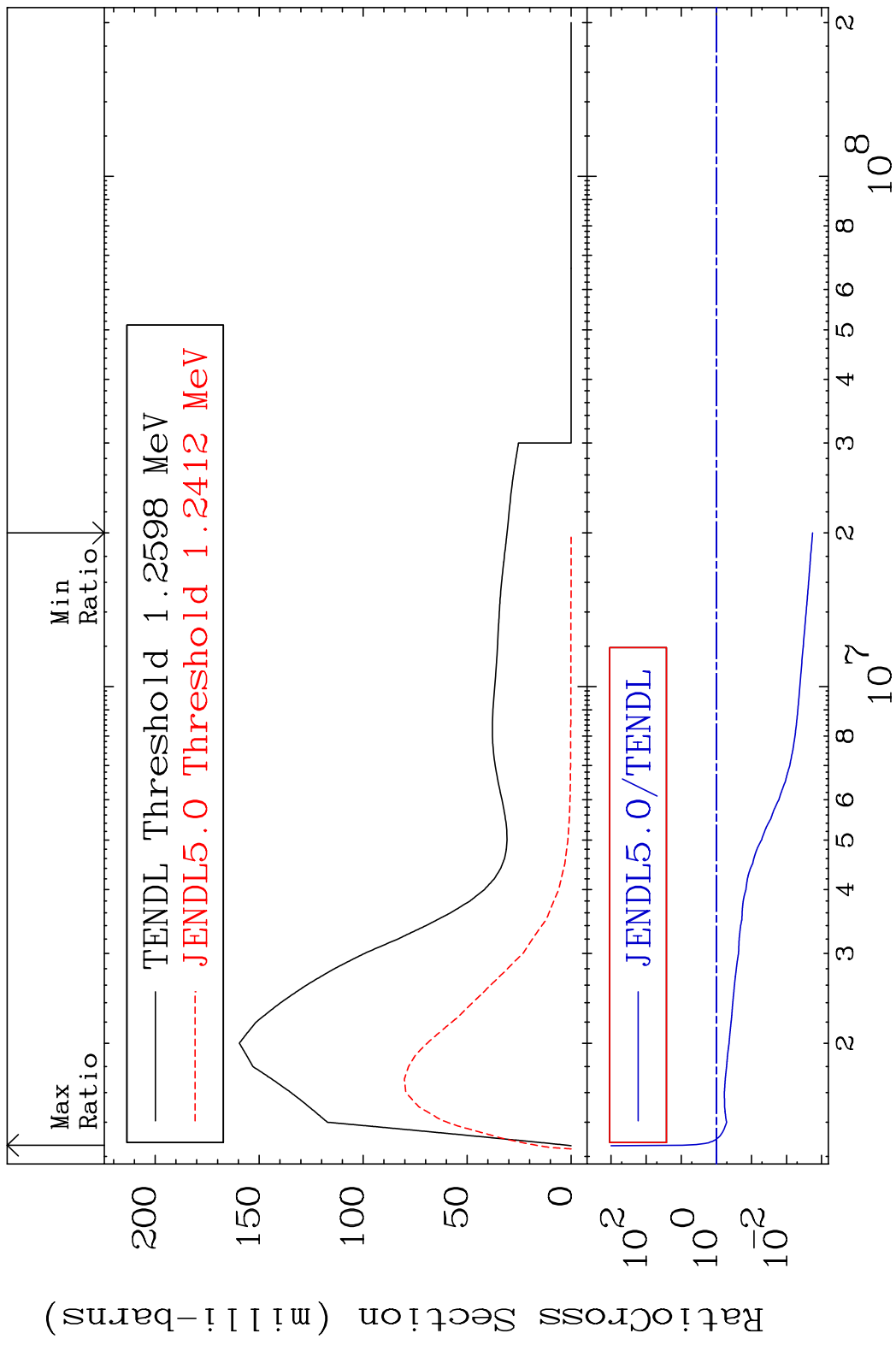
MAT 6431 MT= 60 (n, n') Level 64-Gd-154  
 Cross Section -100.0 To 9999. %



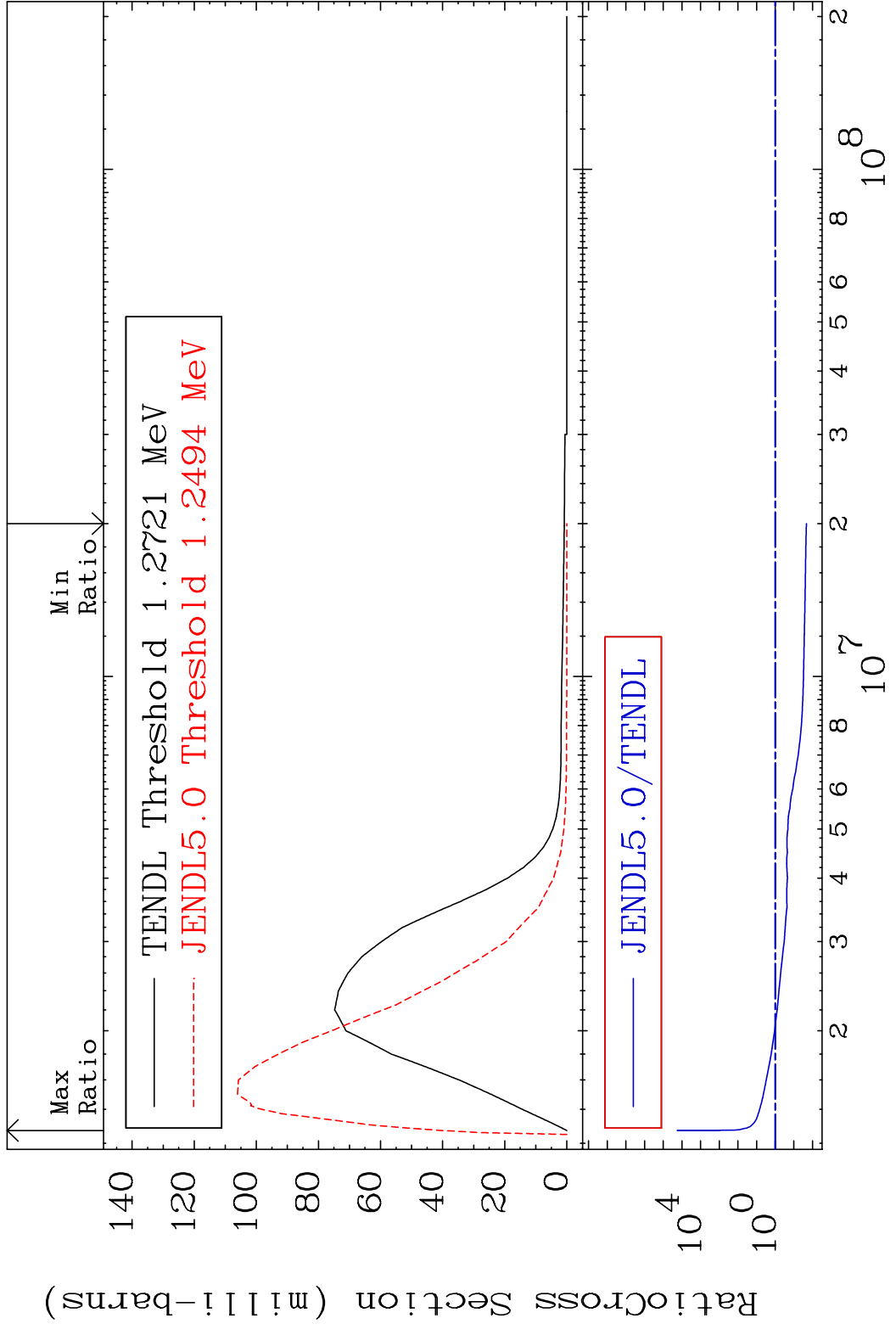
MAT 6431 MT= 61 (n, n') Level 64-Gd-154  
 Cross Section -89.56 To 173.2 %



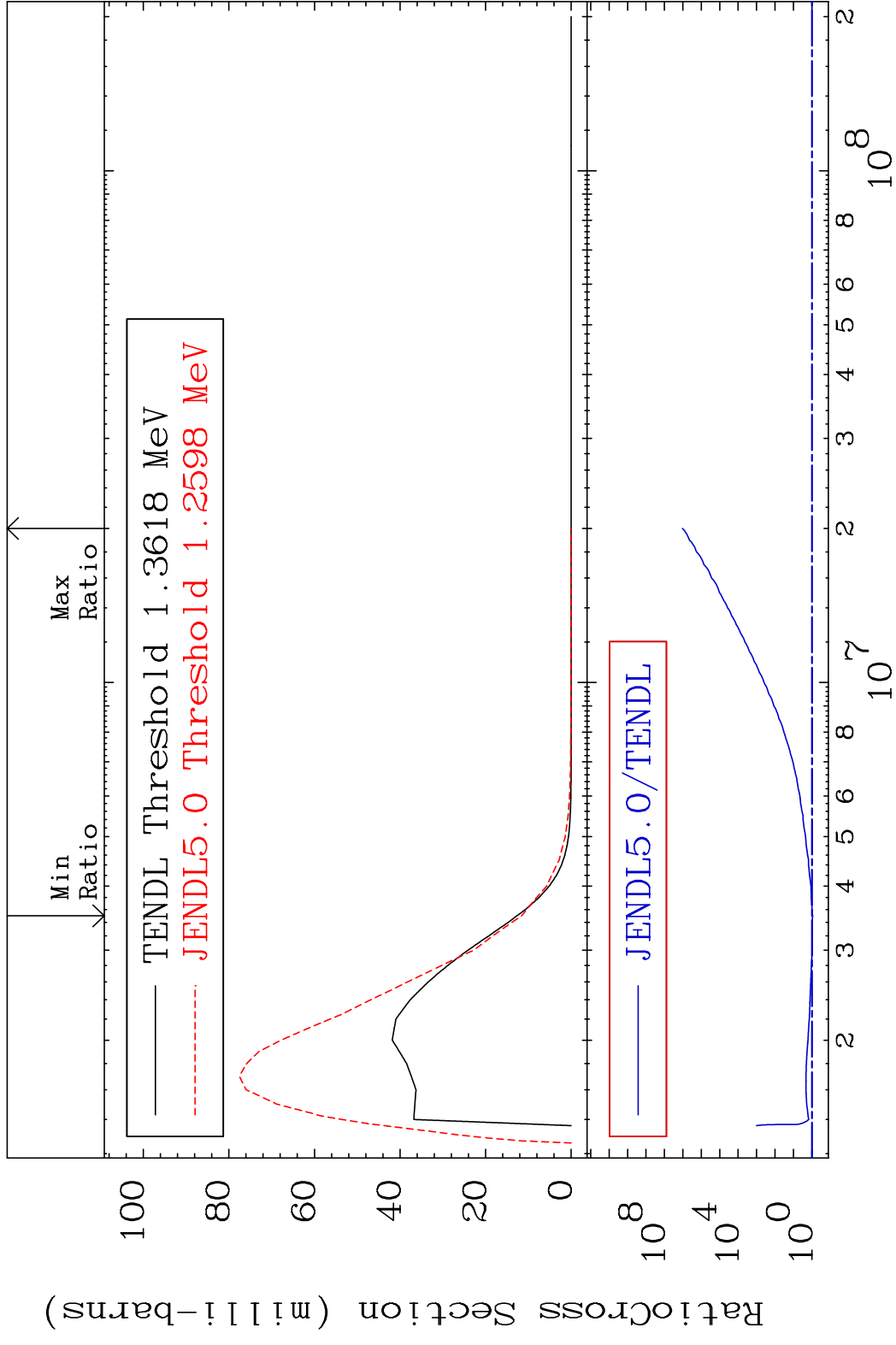
MAT 6431 MT= 62 (n, n') Level 64-Gd-154  
 Cross Section -99.82 To 830.5 %



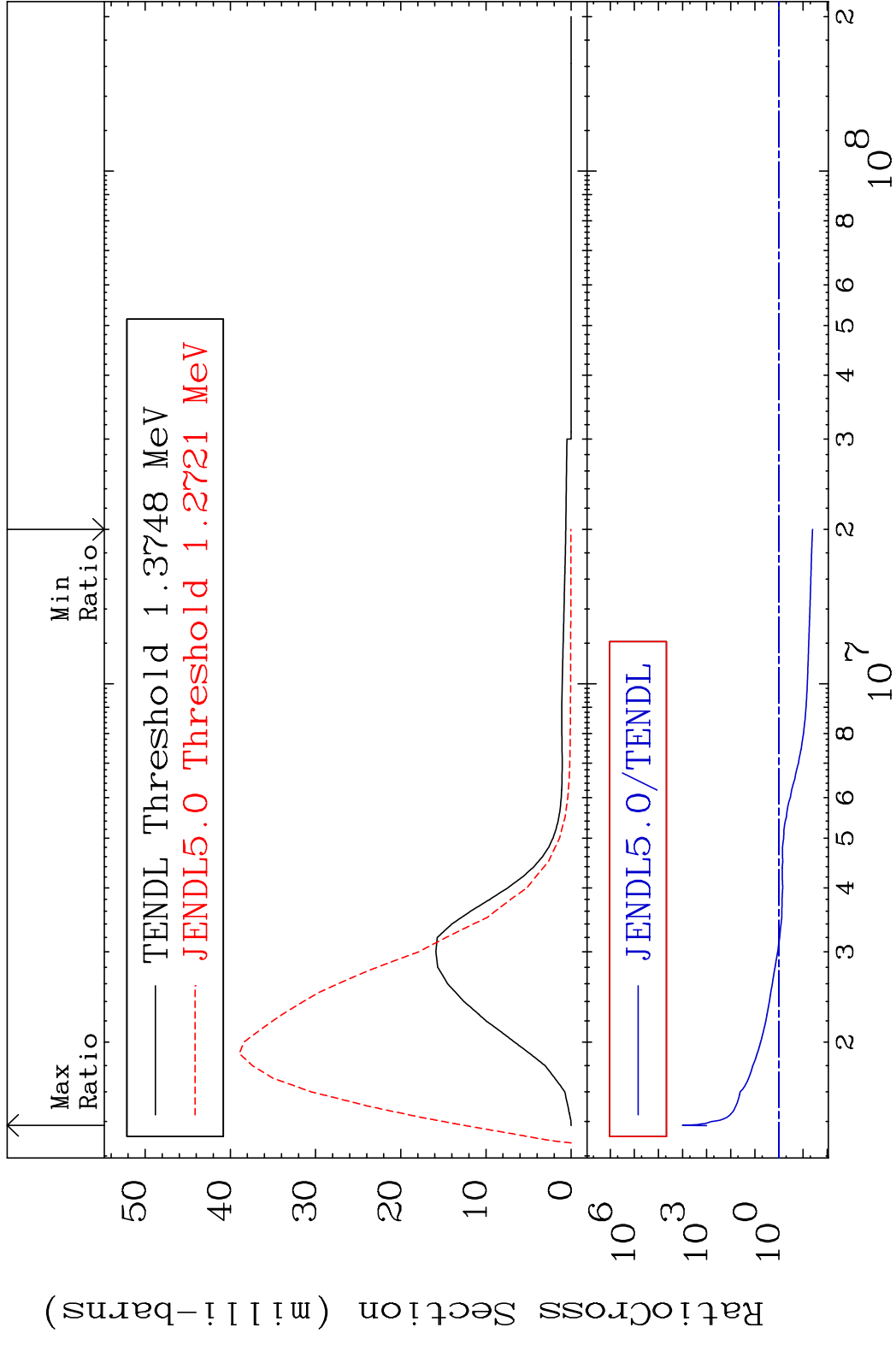
MAT 6431 MT= 63 (n, n') Level 64-Gd-154  
 Cross Section -97.87 To 9999. %



MAT 6431 MT= 64 (n, n') Level 64-Gd-154  
 Cross Section -8.818 To 9999. %



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

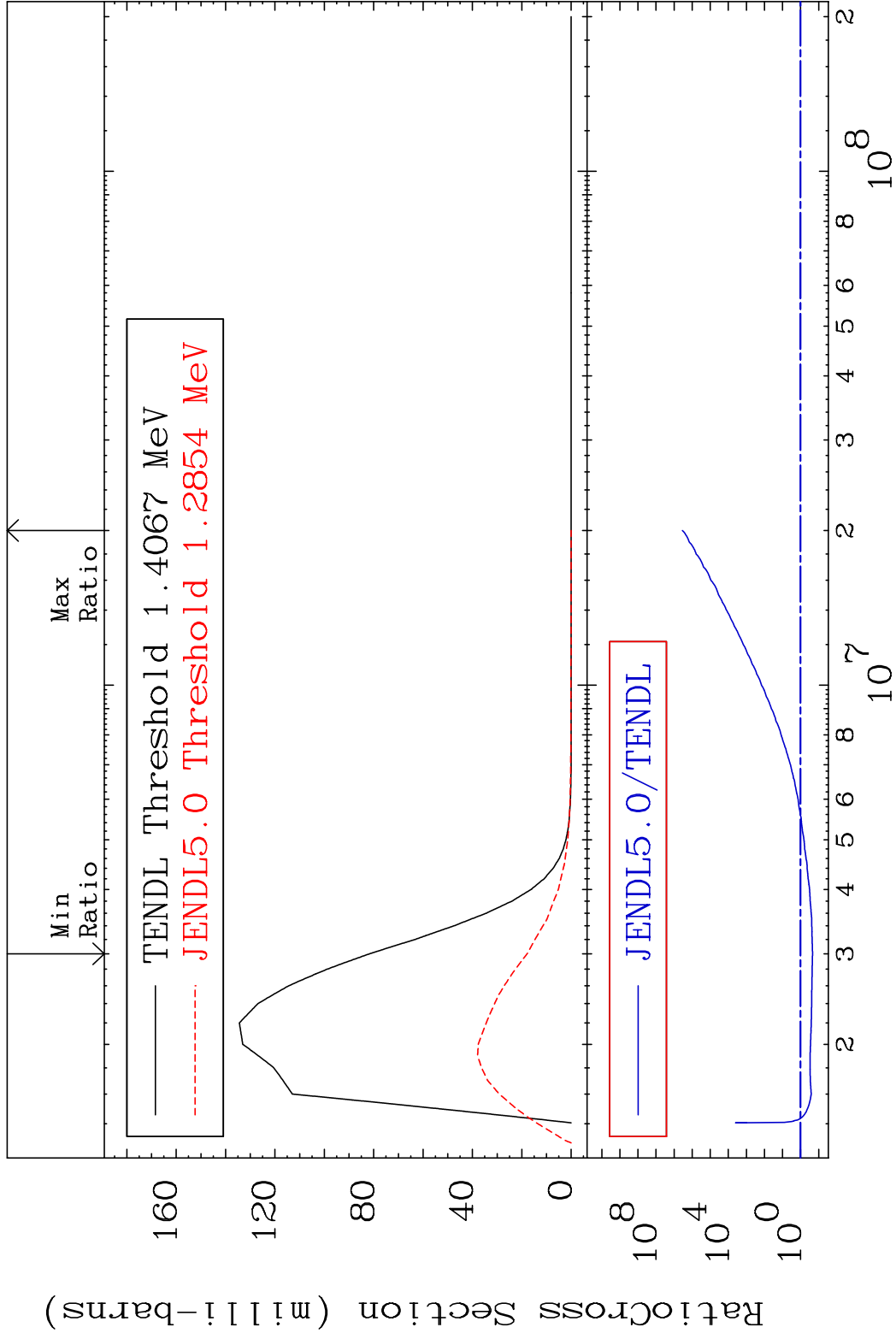


MAT 6431

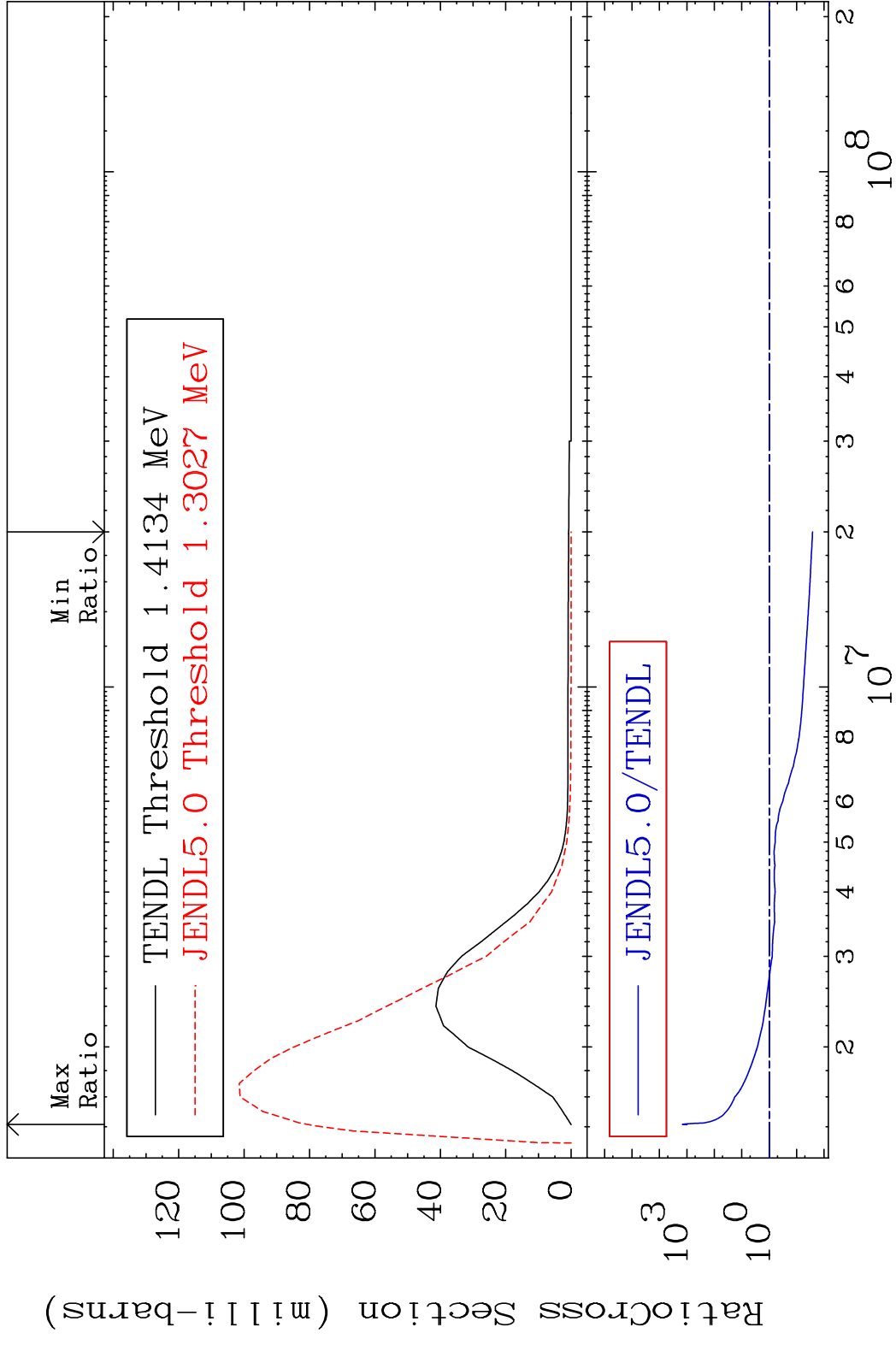
MT= 66 (n, n') Level

64-Gd-154

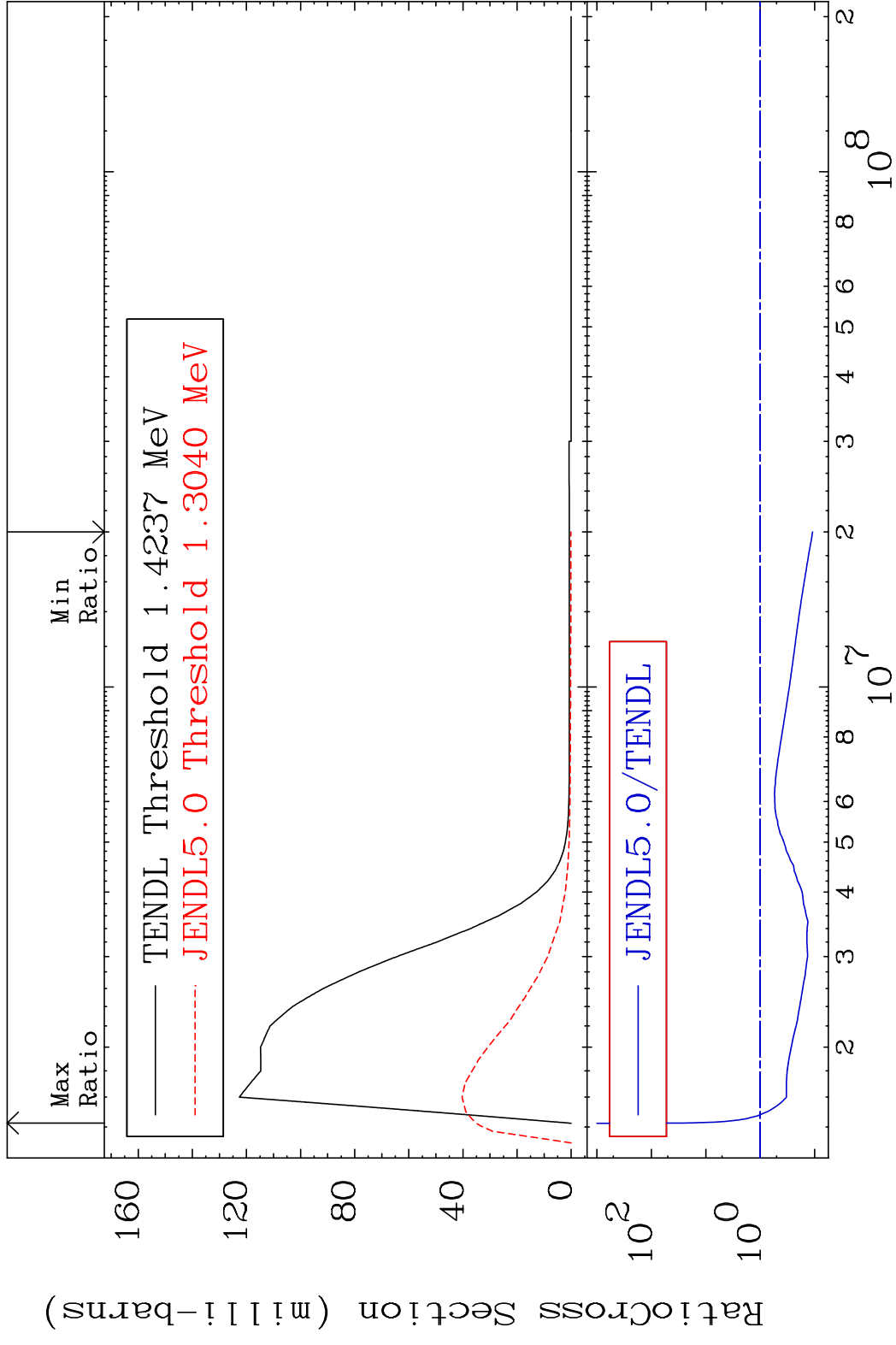
Cross Section -78.19 To 9999. %



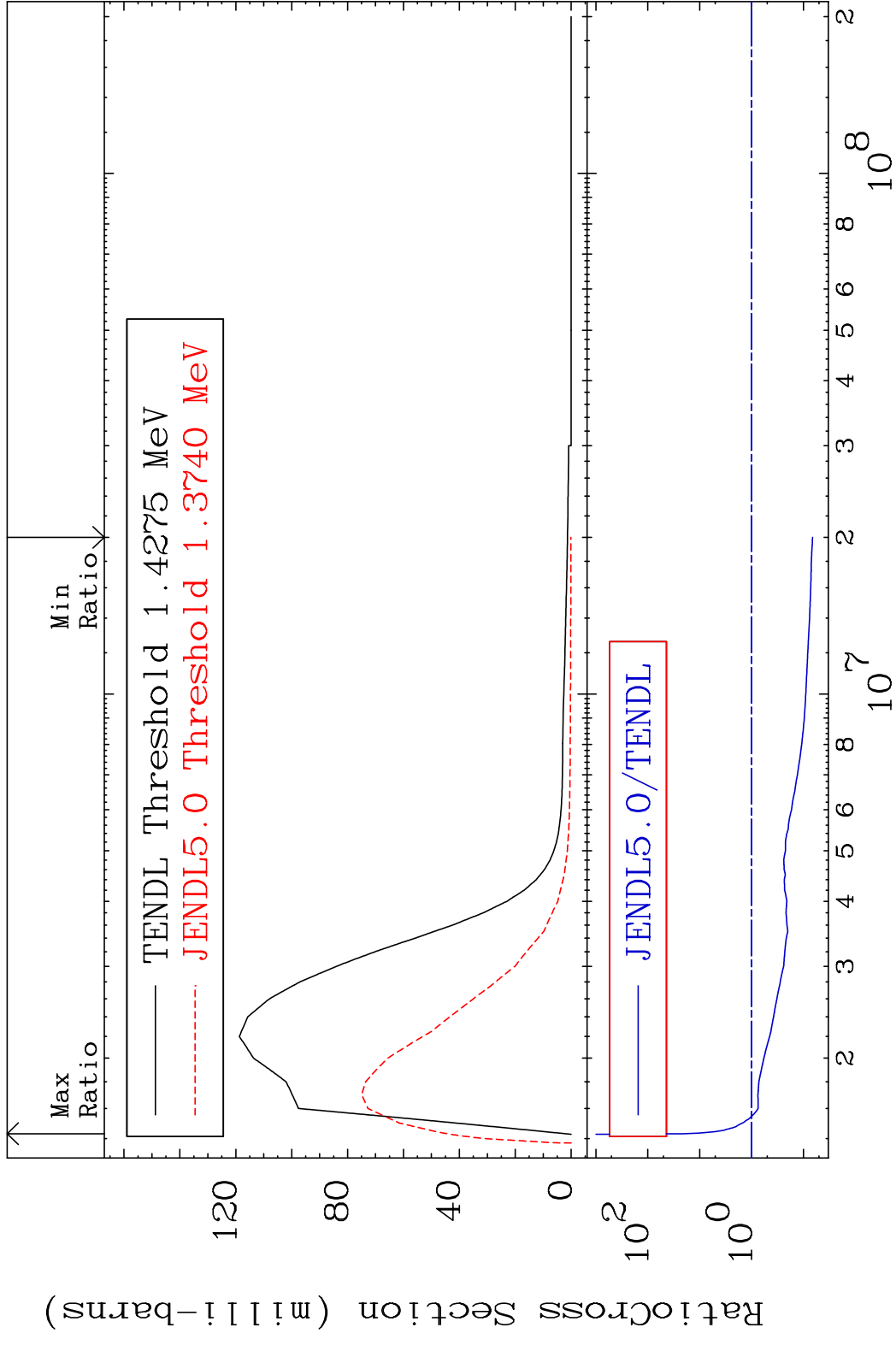
MAT 6431 MT= 67 (n, n') Level 64-Gd-154  
 Cross Section -97.37 To 9999. %



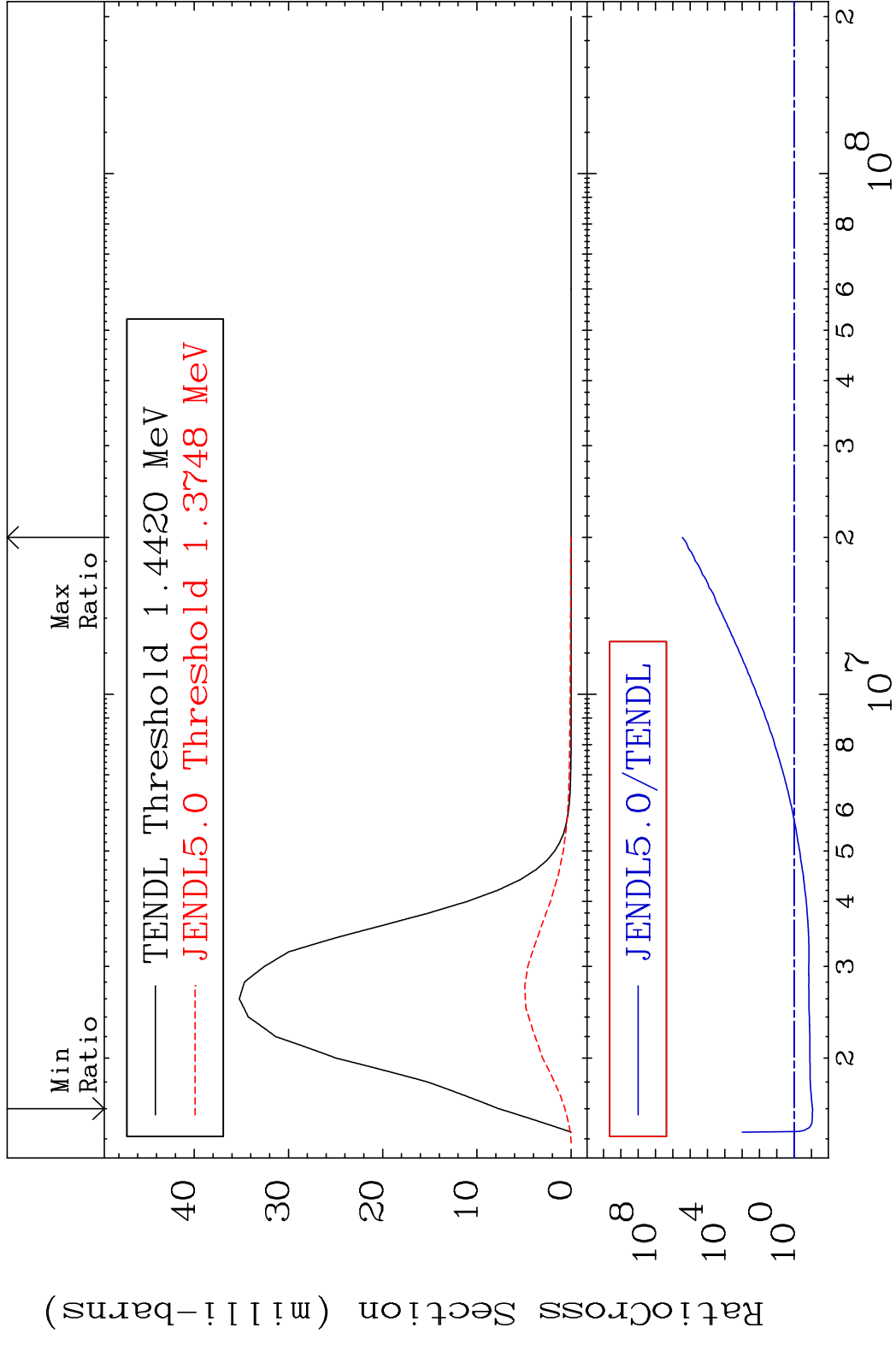
MAT 6431 MT= 68 (n, n') Level 64-Gd-154  
 Cross Section -89.10 To 2594. %



MAT 6431 MT= 69 (n, n') Level 64-Gd-154  
 Cross Section -93.35 To 2055. %



MAT 6431 MT= 70 (n, n') Level 64-Gd-154  
 Cross Section -91.42 To 9999. %

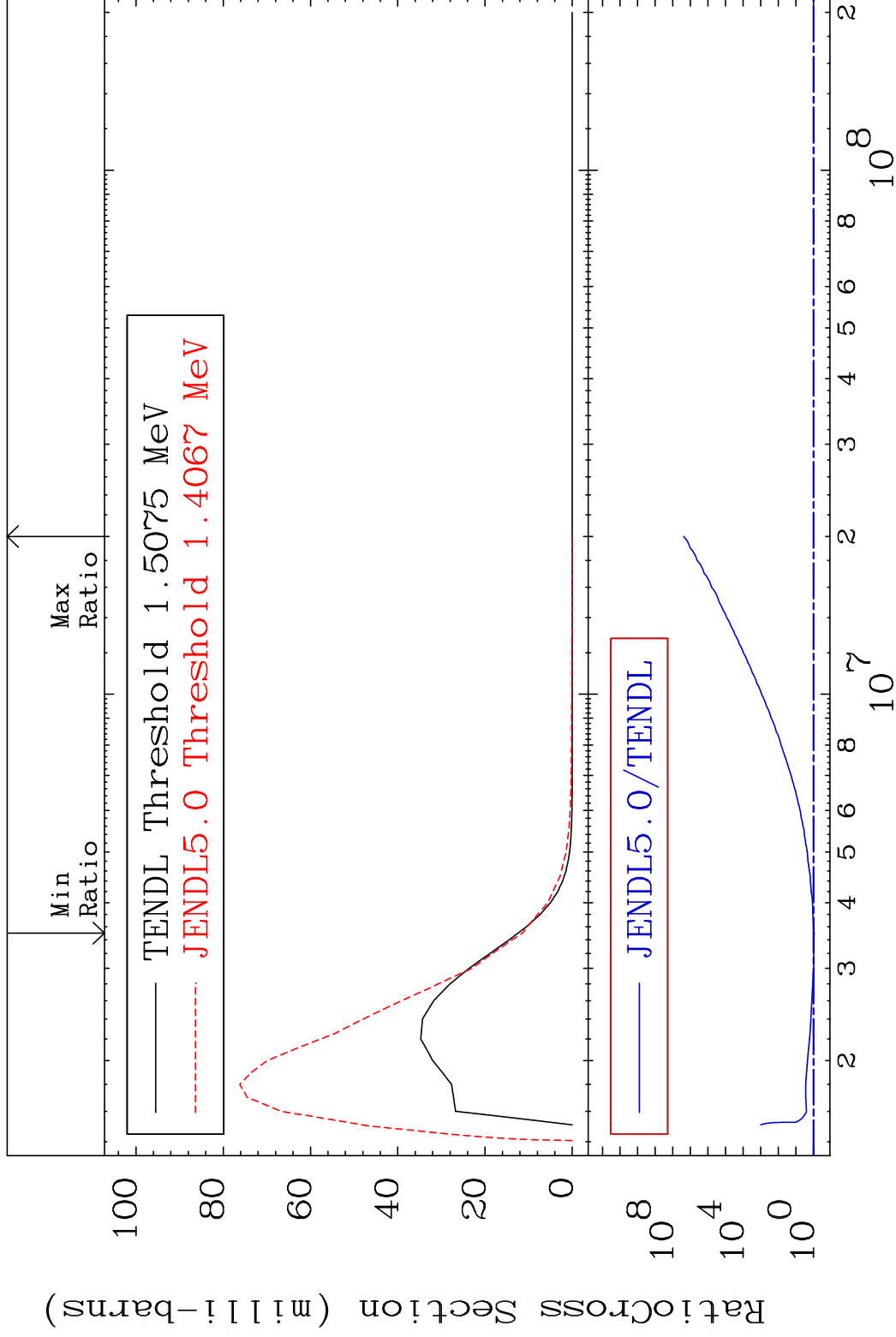


MAT 6431

MT= 71 (n, n') Level

64-Gd-154

Cross Section -8.218 To 9999. %

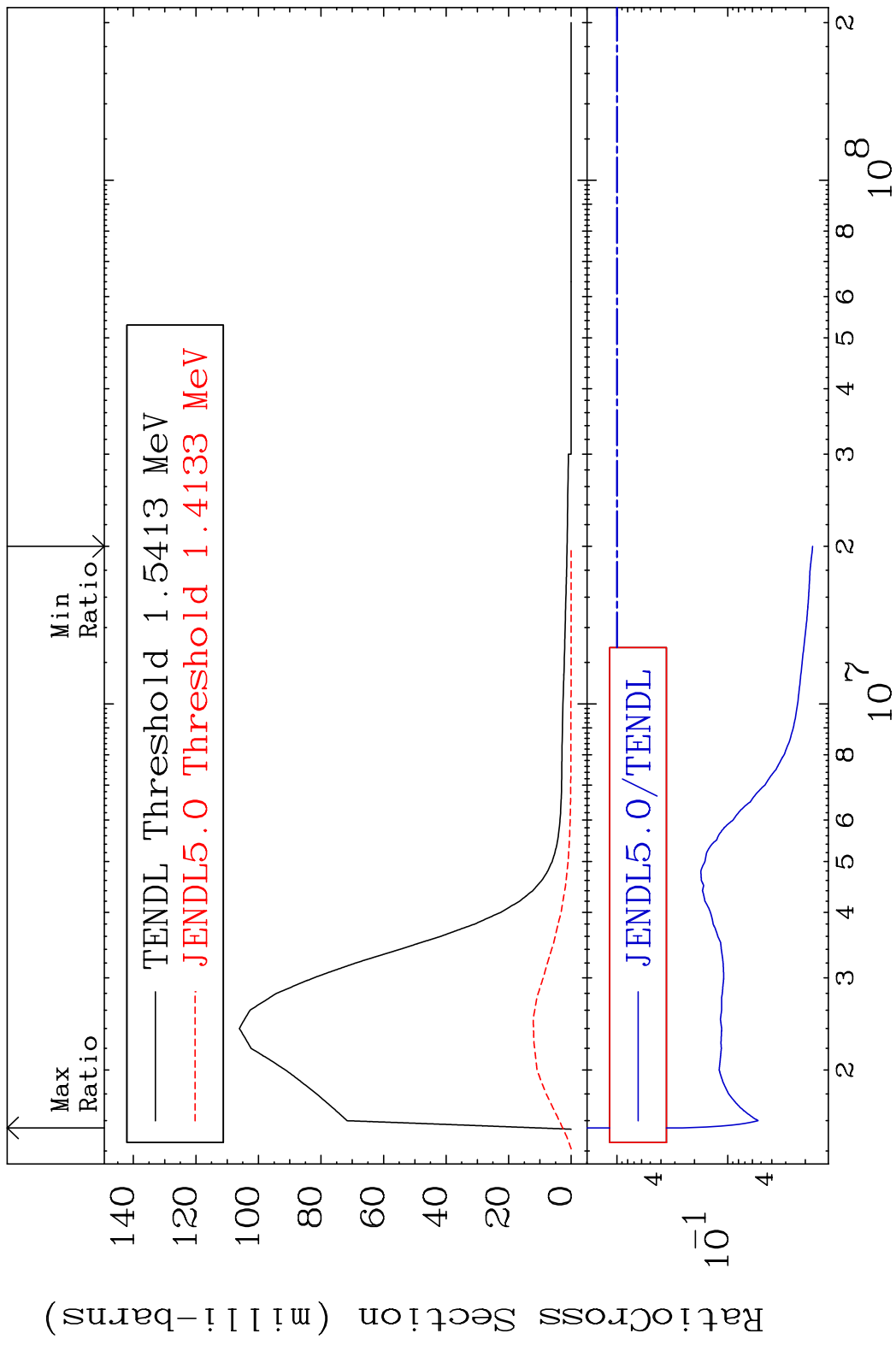


30

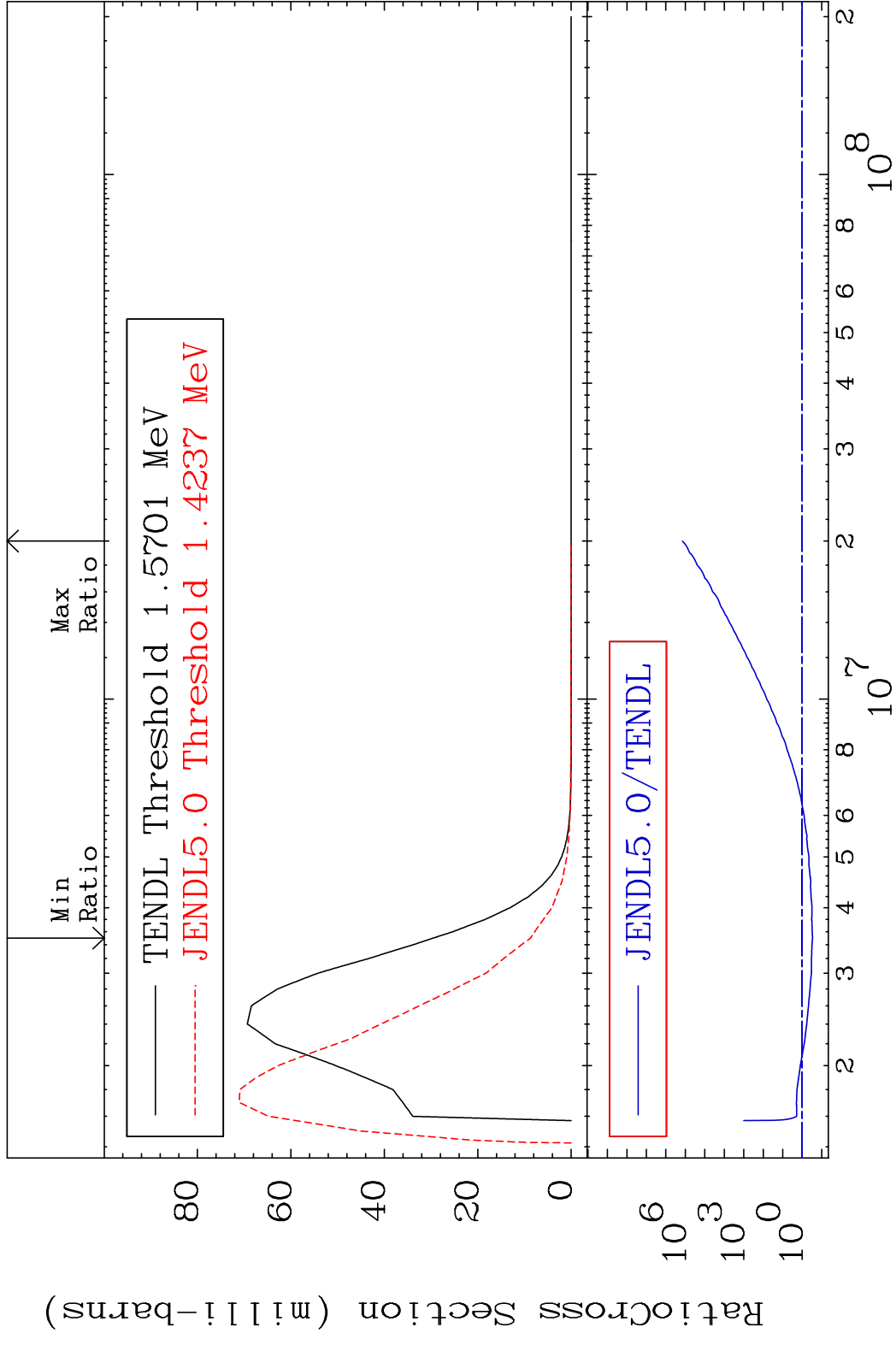
Incident Energy (eV)

64-Gd-154

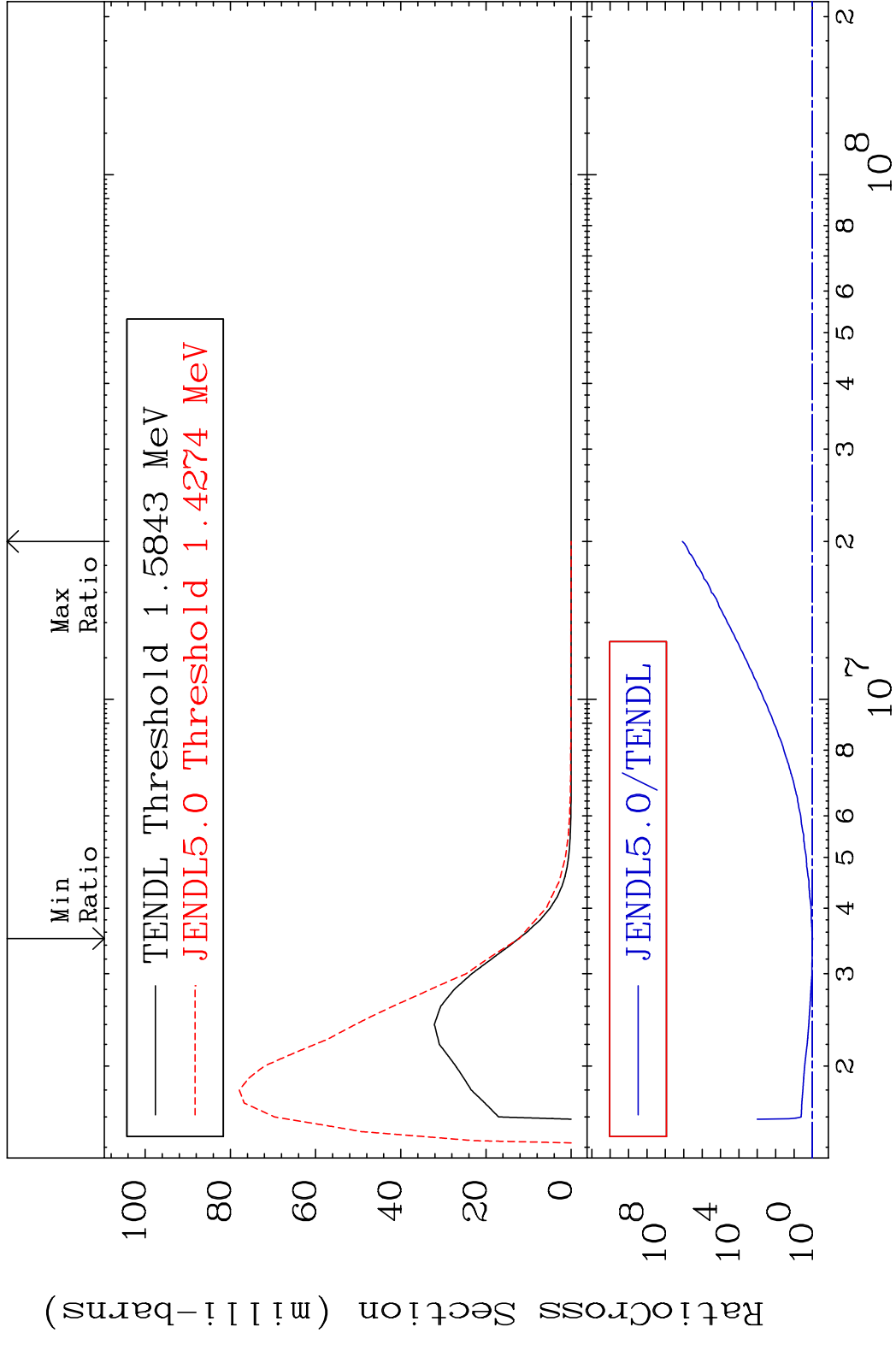
MAT 6431 MT= 72 (n,n') Level 64-Gd-154  
 Cross Section -98.28 To -74.33%



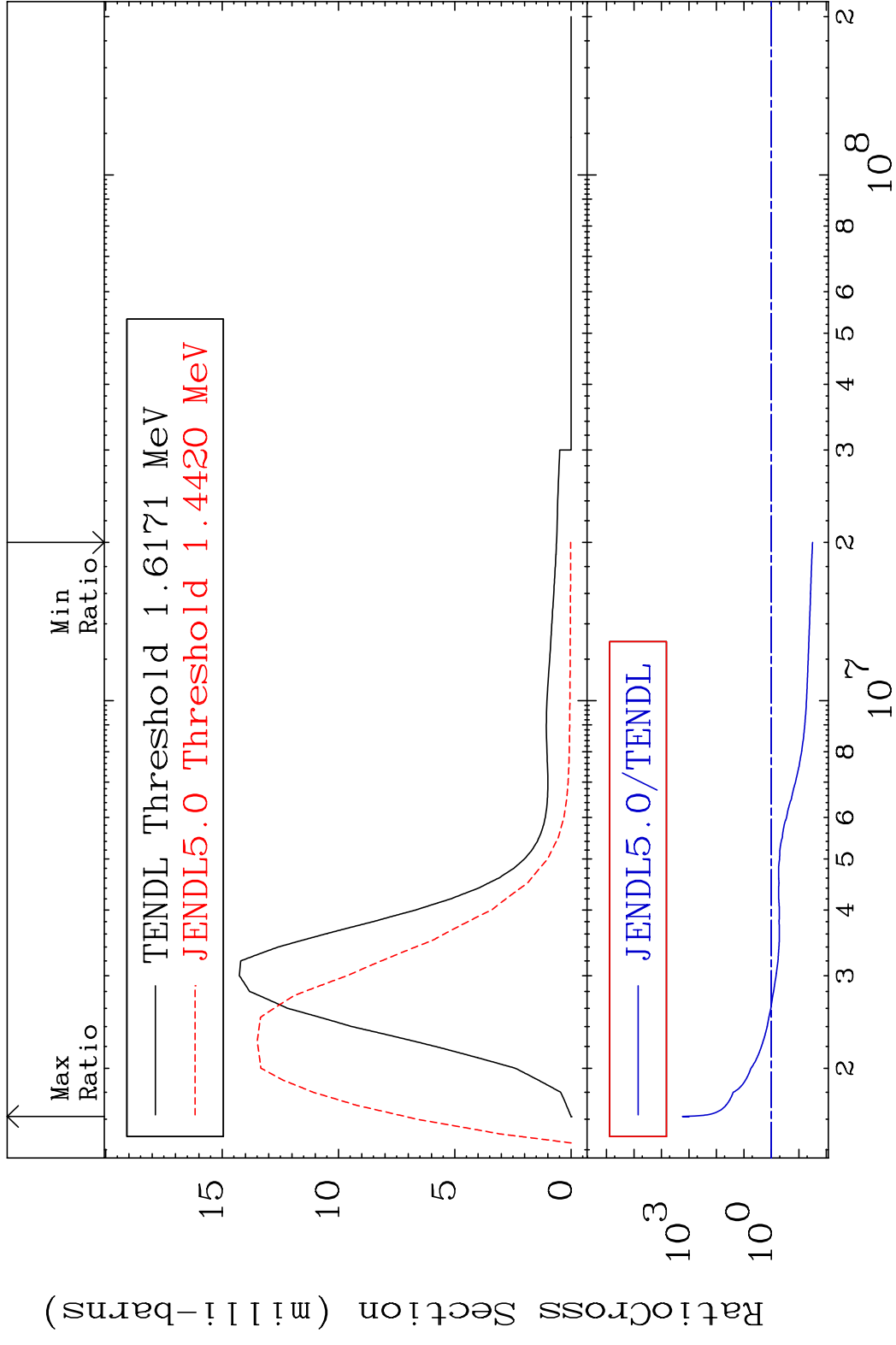
MAT 6431 MT= 73 (n, n') Level 64-Gd-154  
 Cross Section -70.50 To 9999. %



MAT 6431 MT= 74 (n, n') Level 64-Gd-154  
 Cross Section -1.319 To 9999. %



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

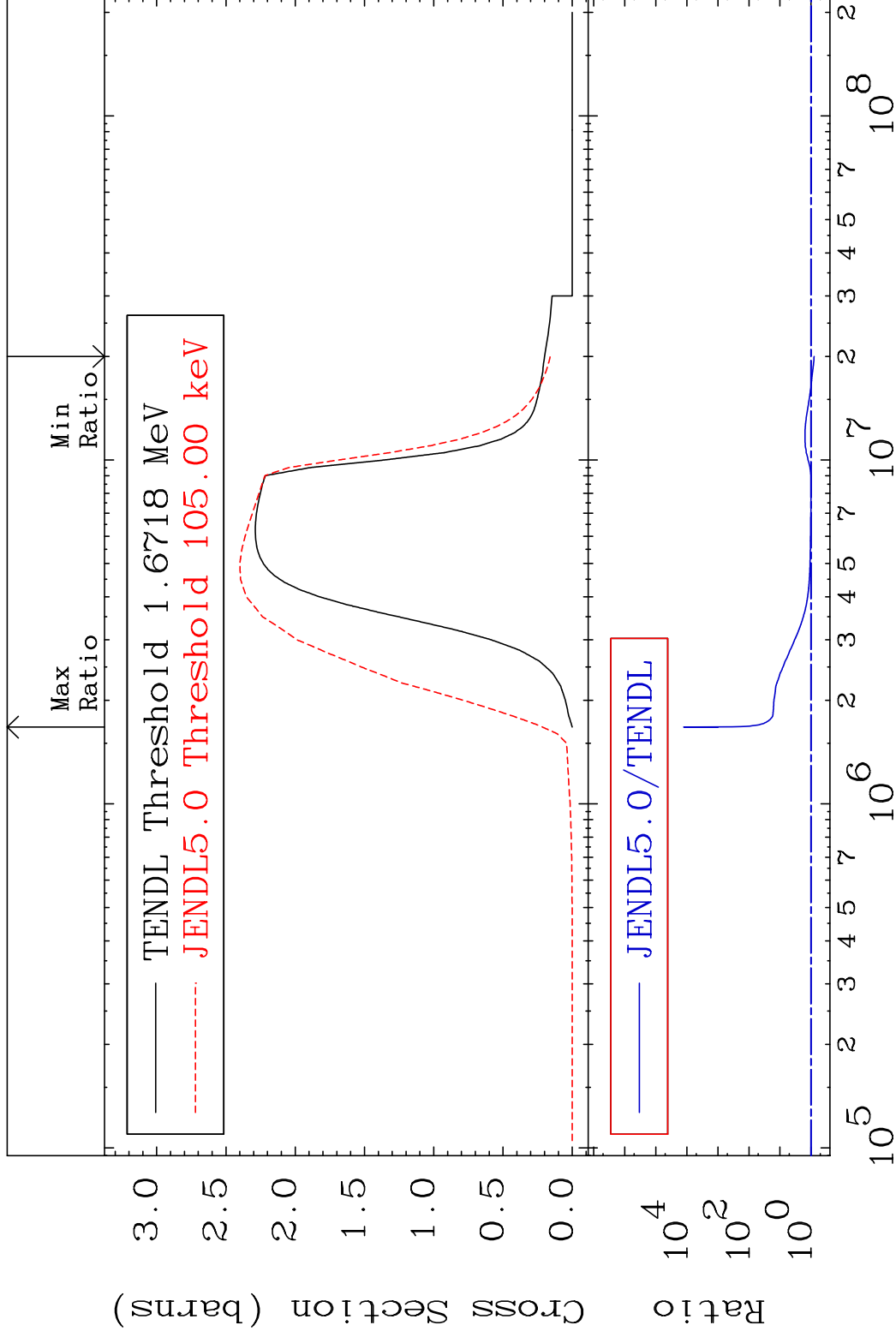


MAT 6431

(n, n') Continuum

64-Gd-154

Cross Section -20.29 To 9999. %



35

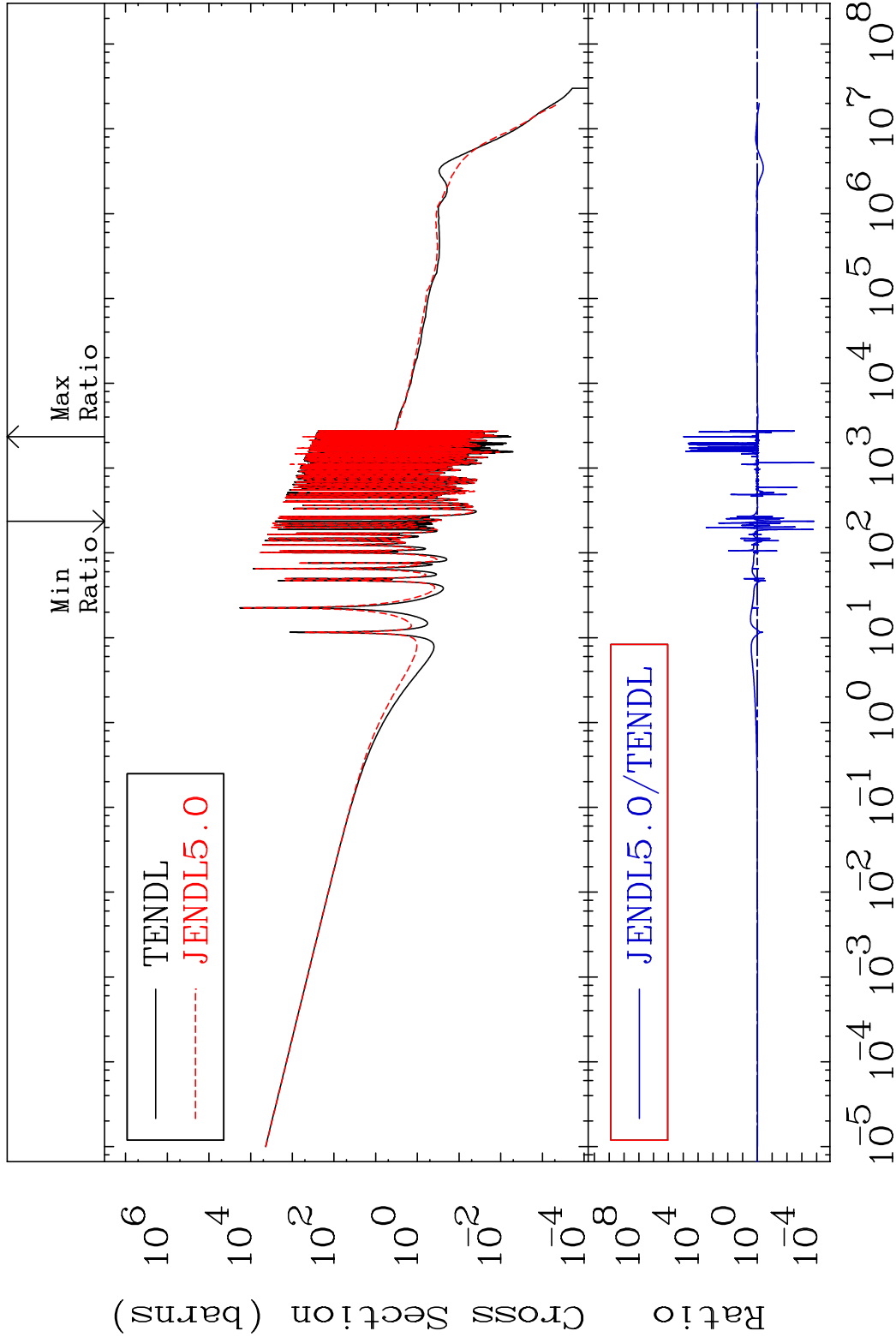
Incident Energy (eV)

64-Gd-154

MAT 6431

(n,  $\gamma$ )  
Cross Section -99.99 To 9999. %

64-Gd-154



36

Incident Energy (eV)

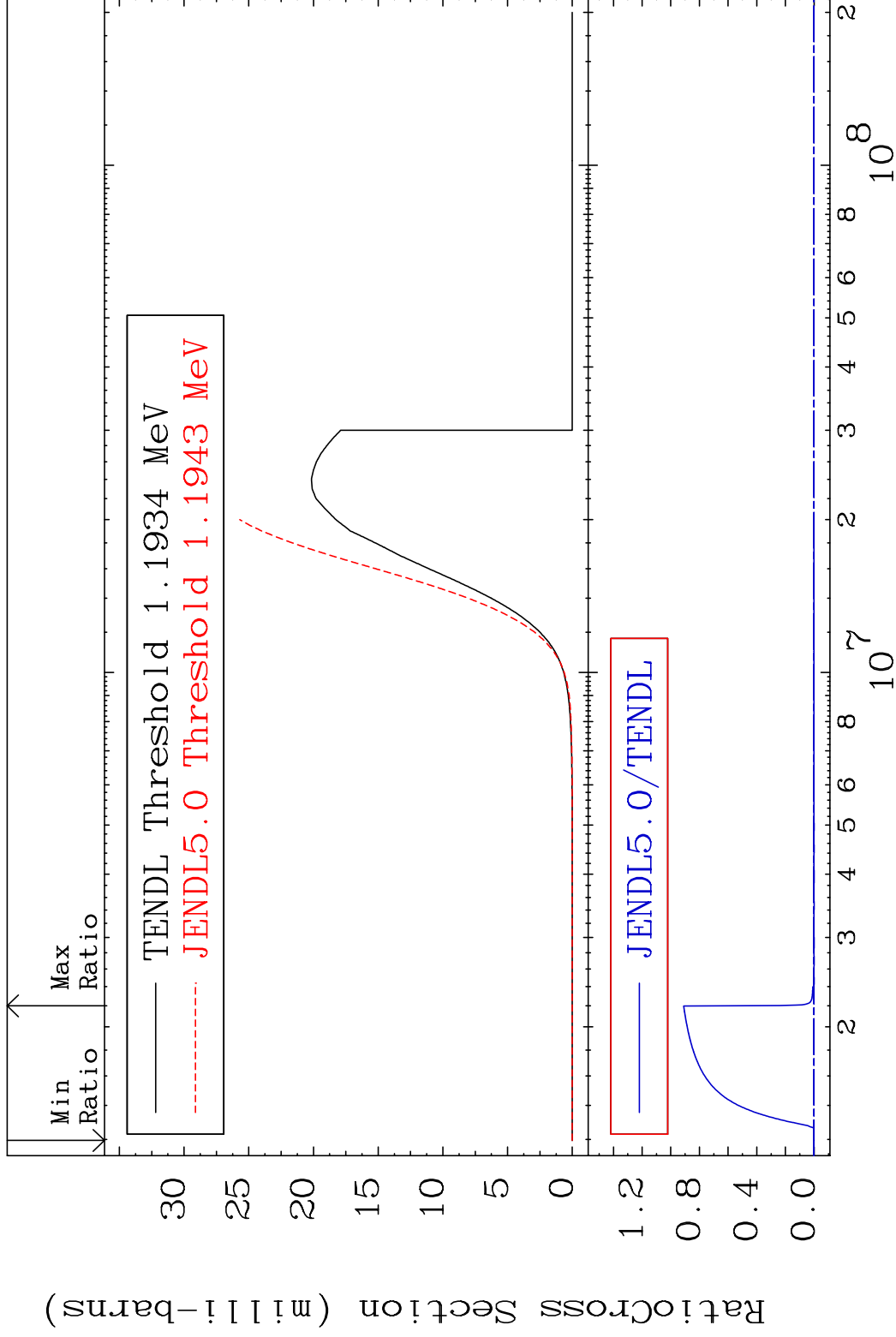
64-Gd-154

MAT 6431

(n,p)

64-Gd-154

Cross Section -100.0 To 9999. %

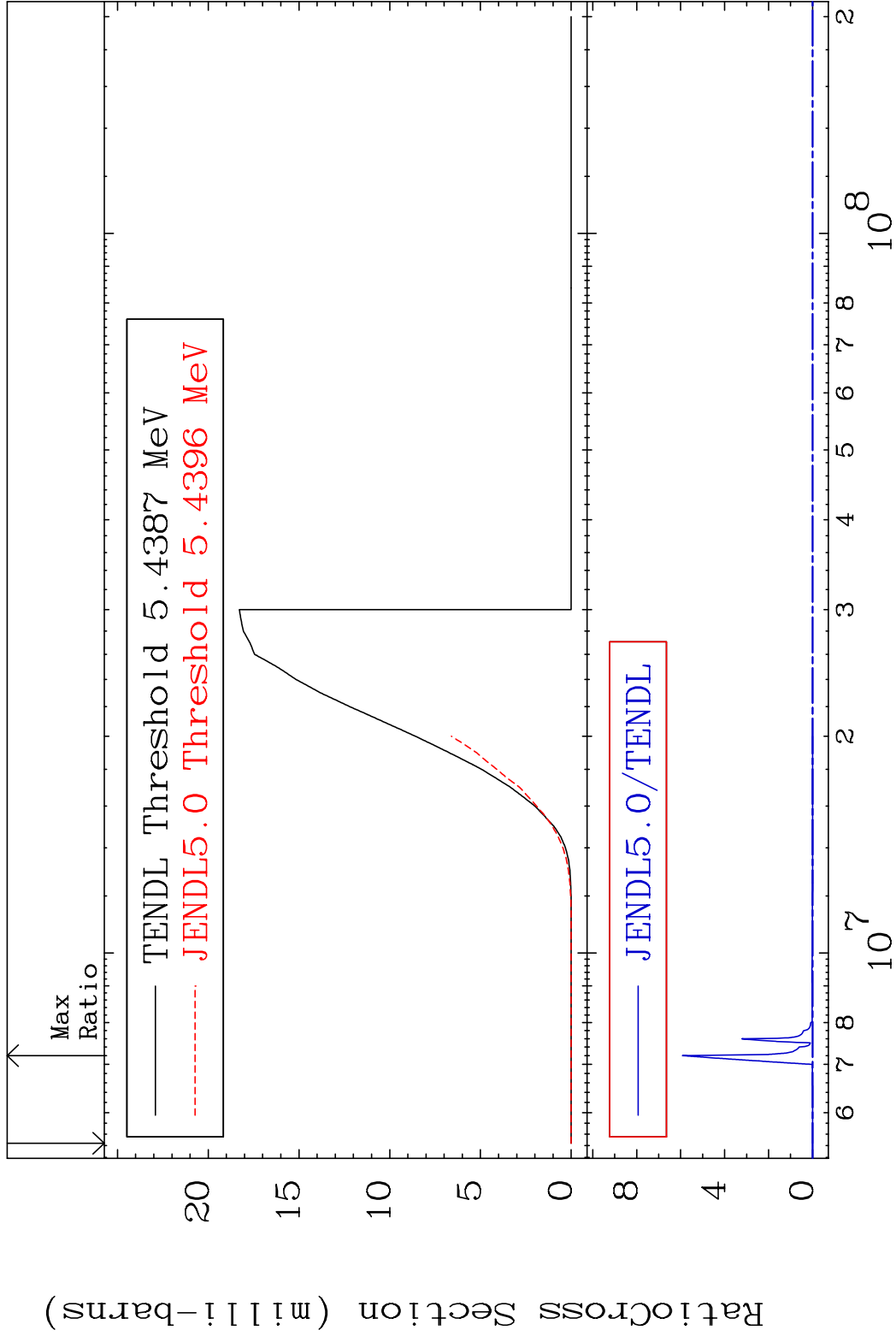


MAT 6431

(n,d)

64-Gd-154

Cross Section -100.0 To 9999. %

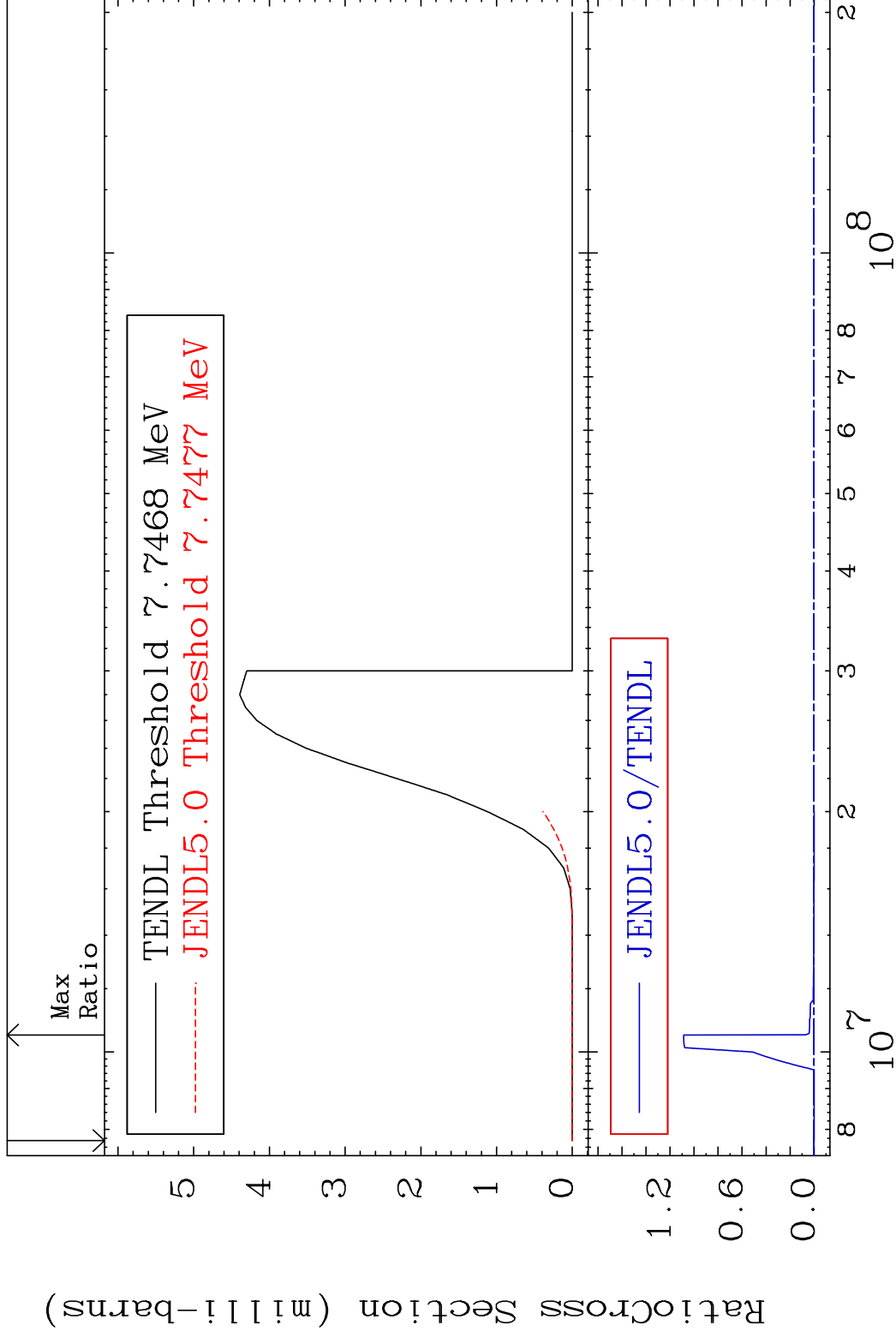


MAT 6431

(n, t)

64-Gd-154

Cross Section -100.0 To 9999. %



39

Incident Energy (eV)

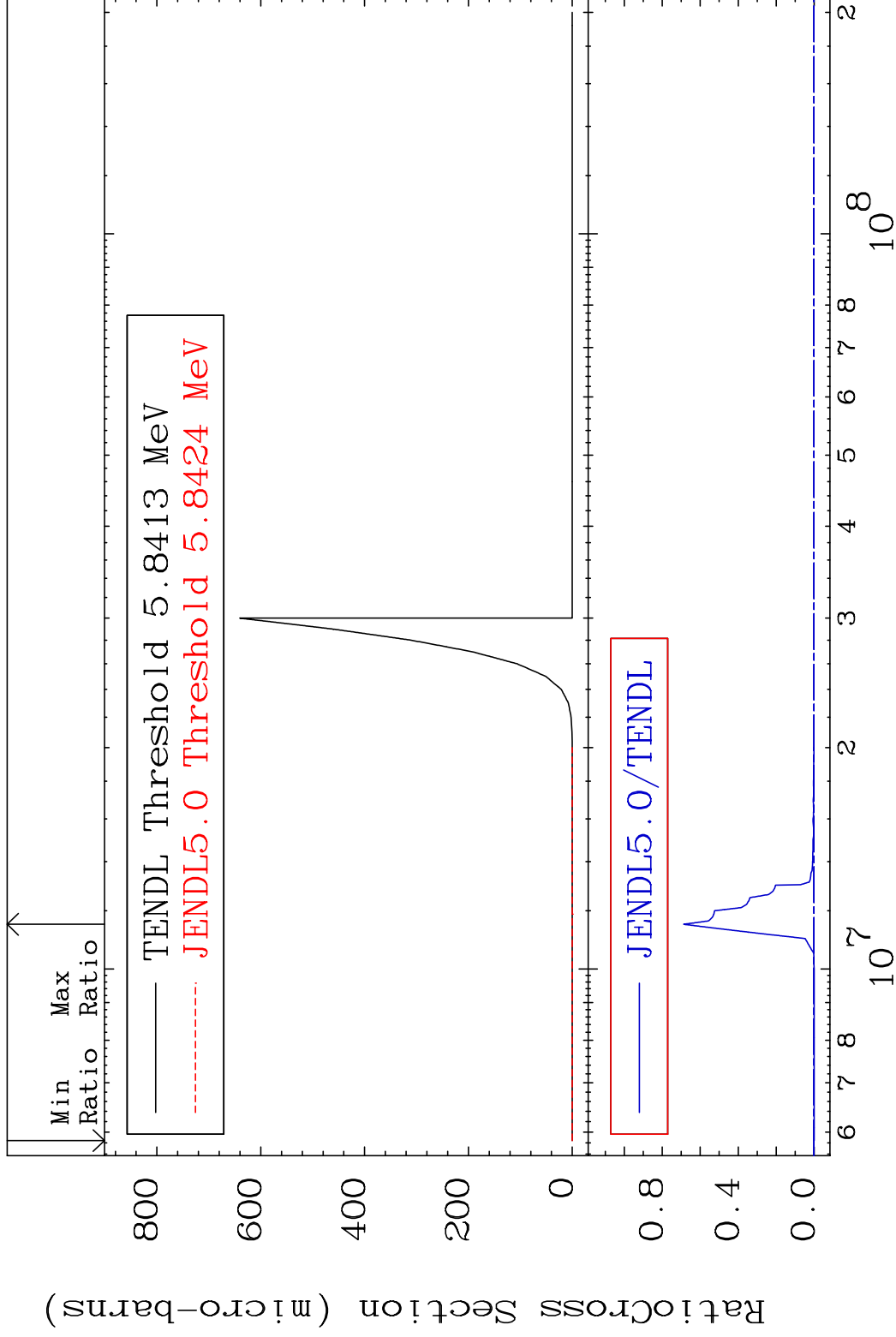
64-Gd-154

MAT 6431

(n, He-3)

64-Gd-154

Cross Section -100.0 To 9999. %



40

Incident Energy (eV)

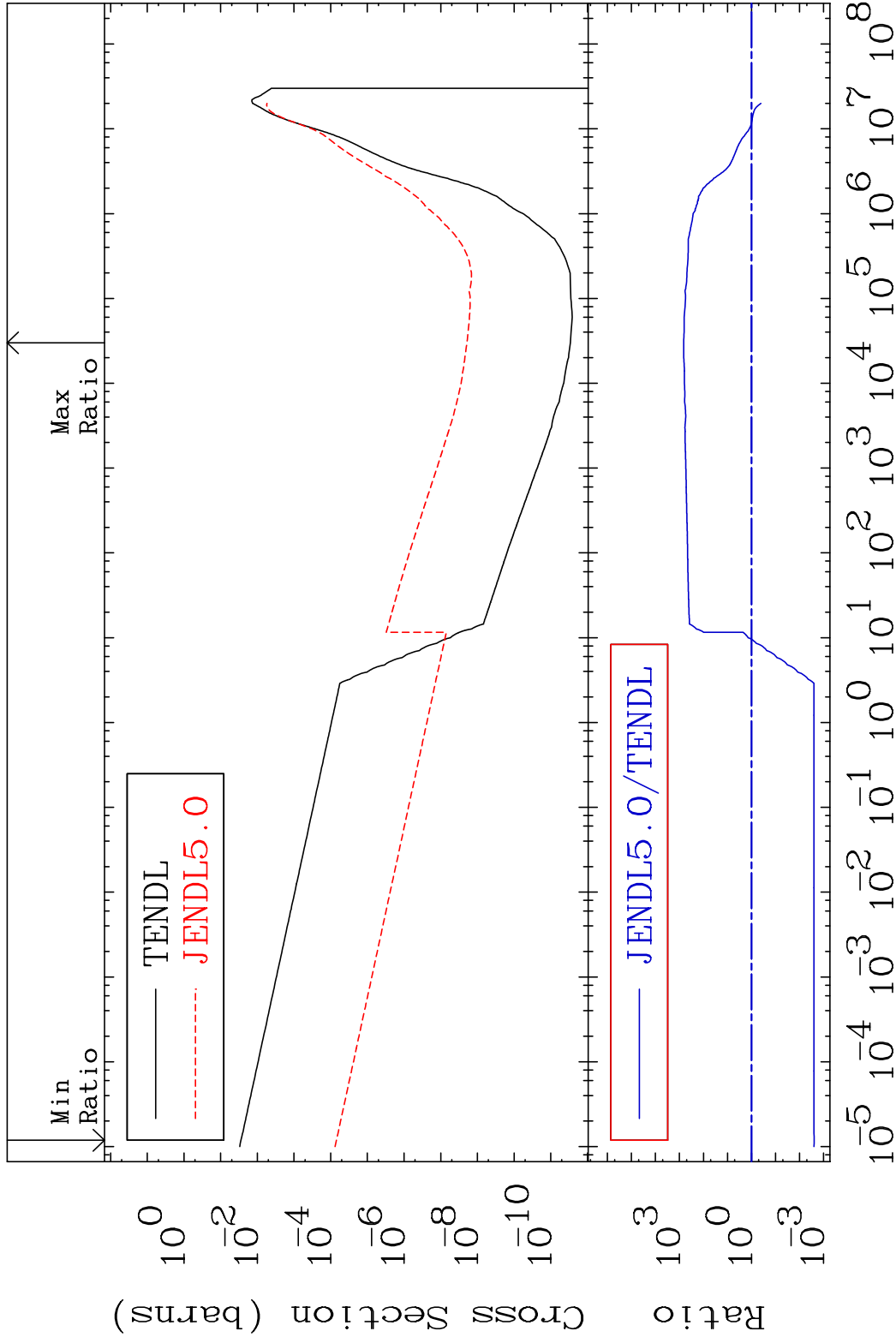
64-Gd-154

MAT 6431

(n,  $\alpha$ )

64-Gd-154

Cross Section -99.75 To 9999. %



41

Incident Energy (eV)

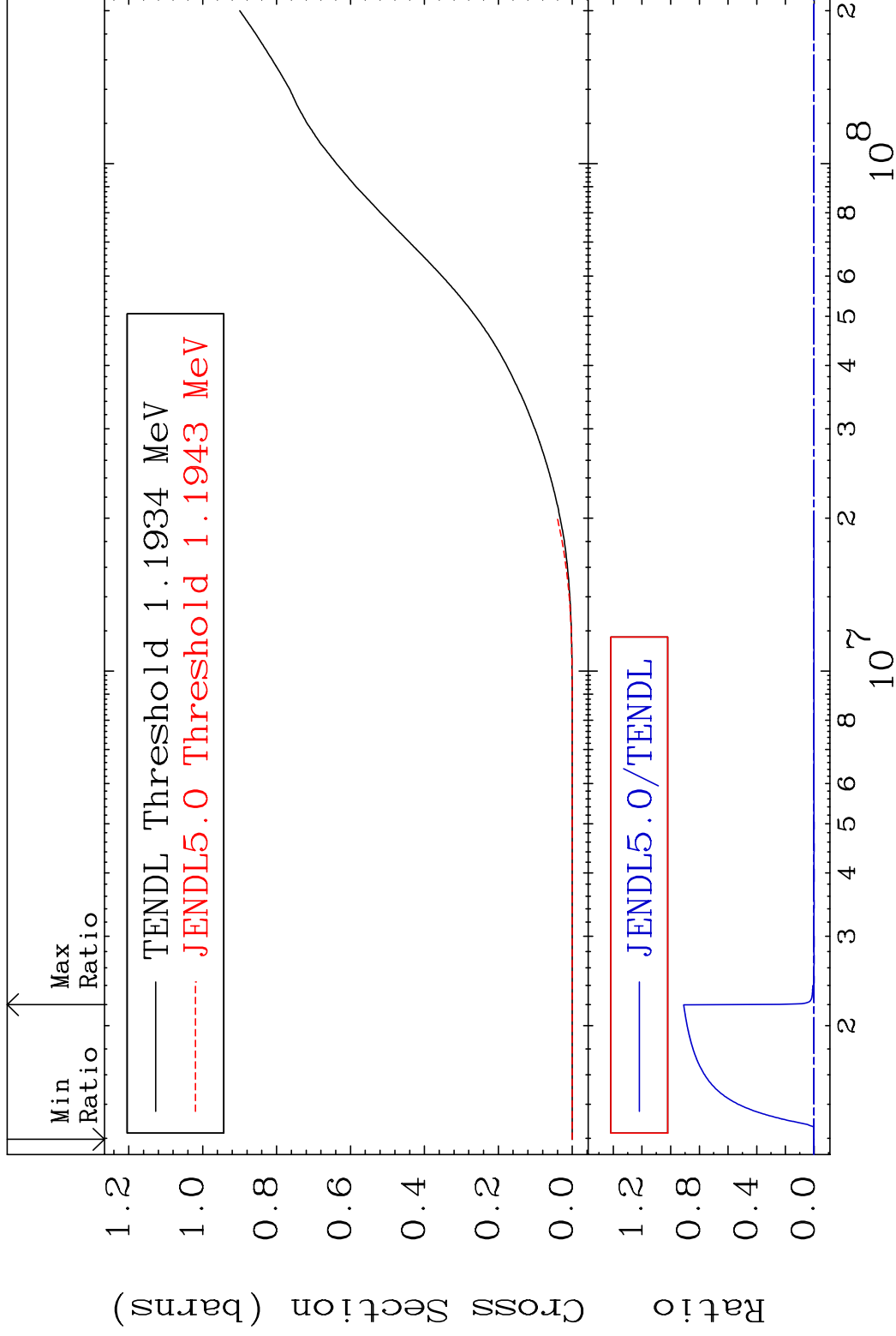
64-Gd-154

MAT 6431

Hydrogen Production

64-Gd-154

Cross Section -100.0 To 9999. %

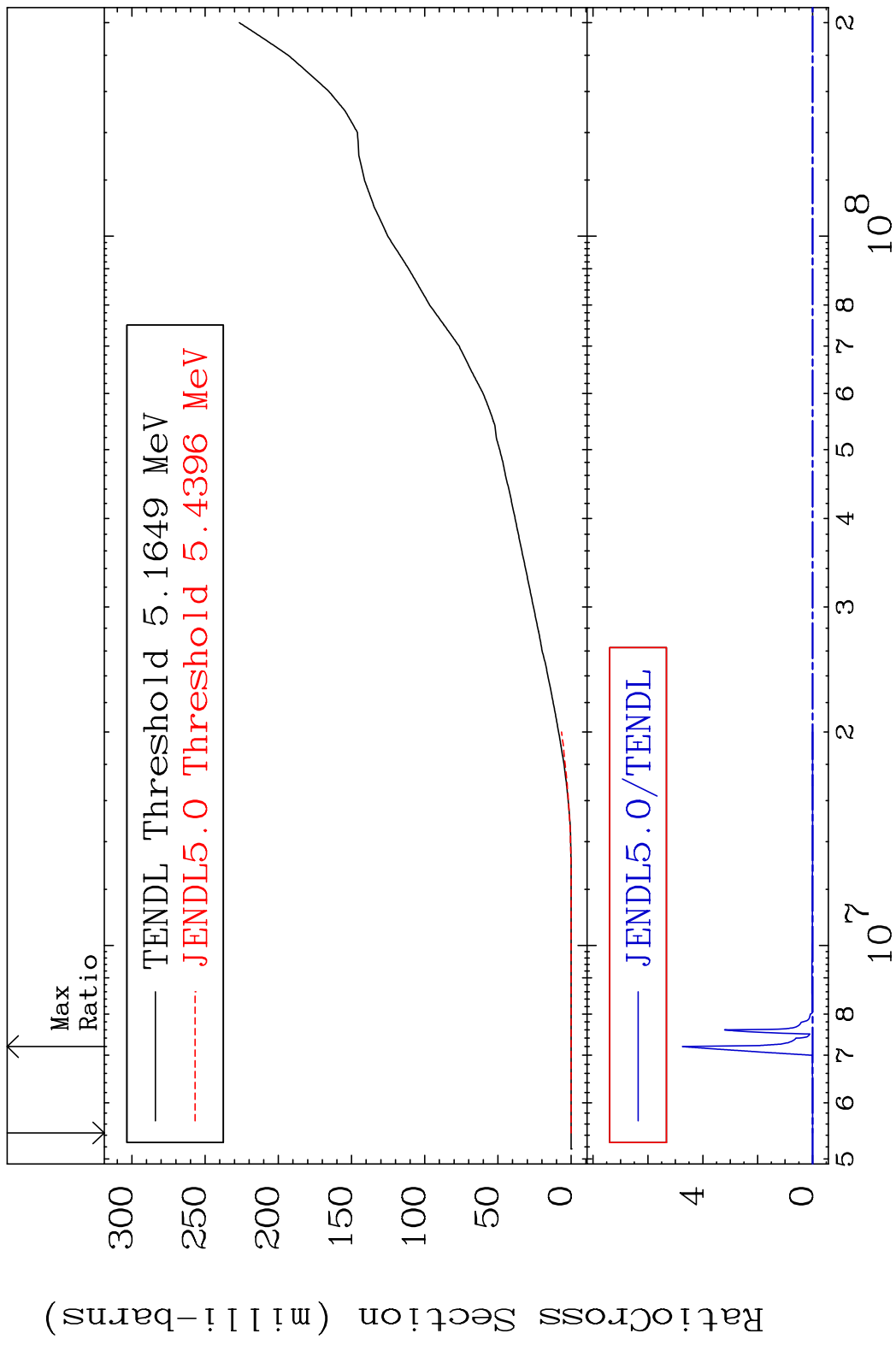


42

Incident Energy (eV)

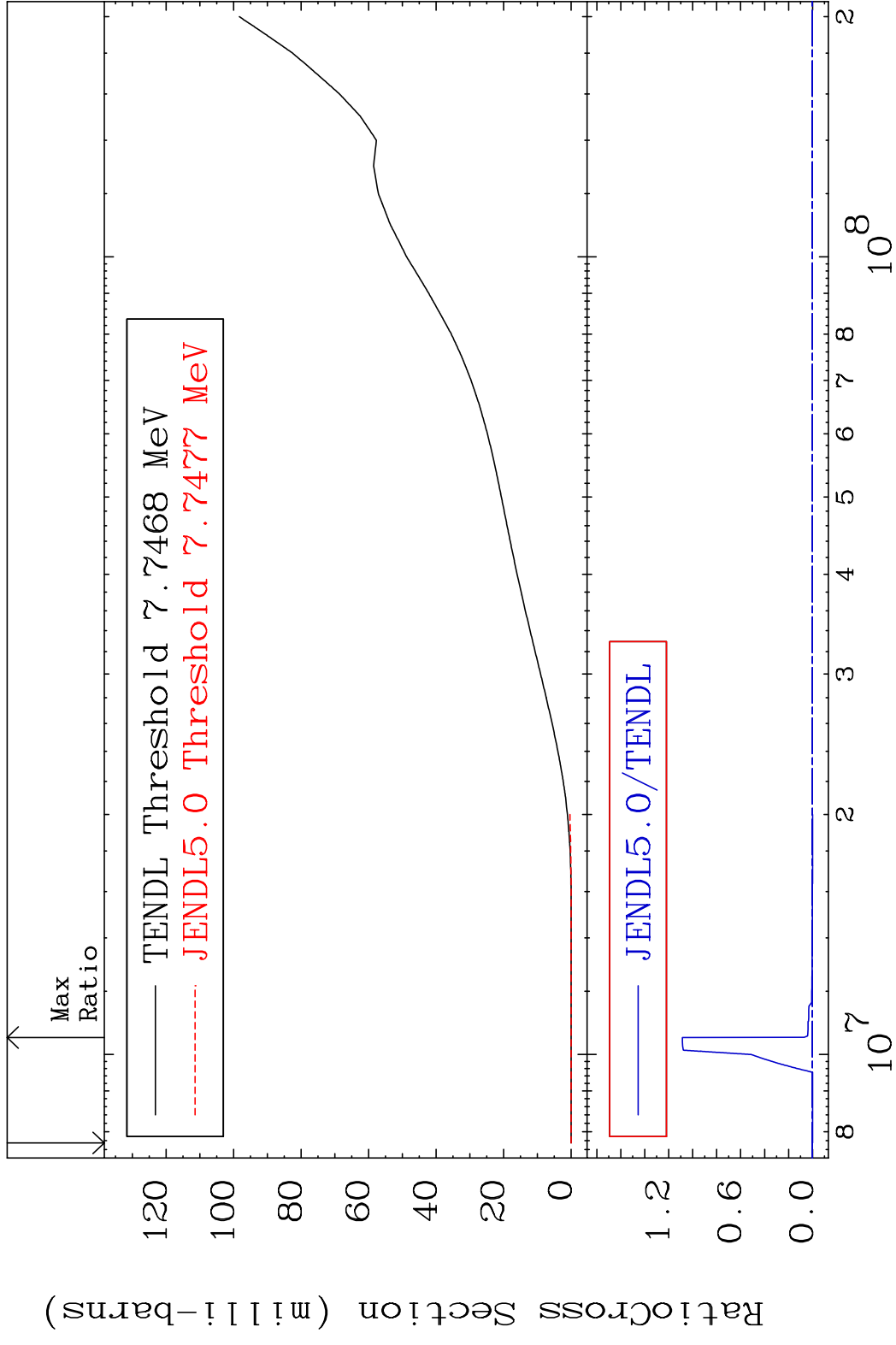
64-Gd-154

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



43 Incident Energy (eV) 64-Gd-154

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

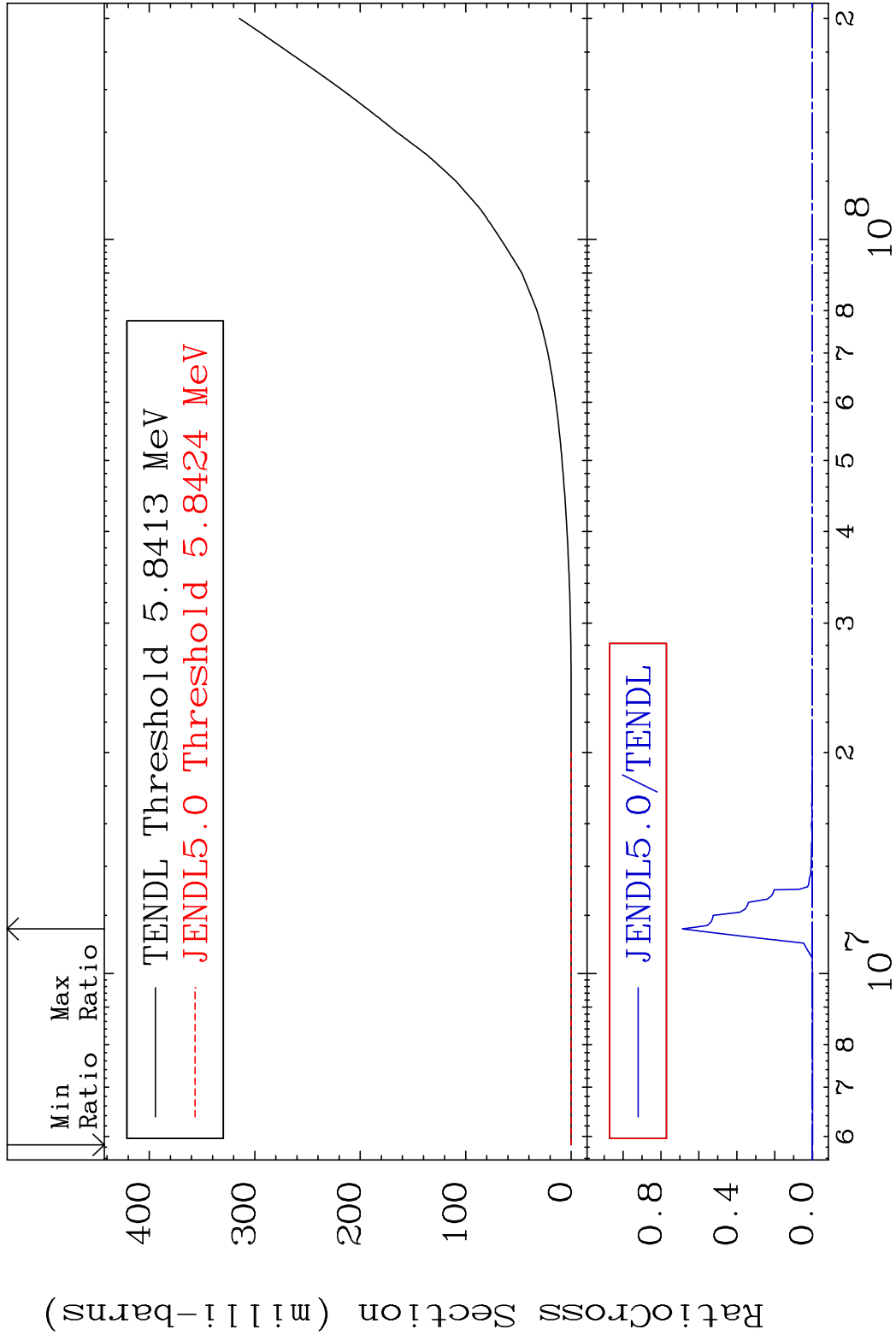


MAT 6431

He-3 Production

64-Gd-154

Cross Section -100.0 To 9999. %



45

Incident Energy (eV)

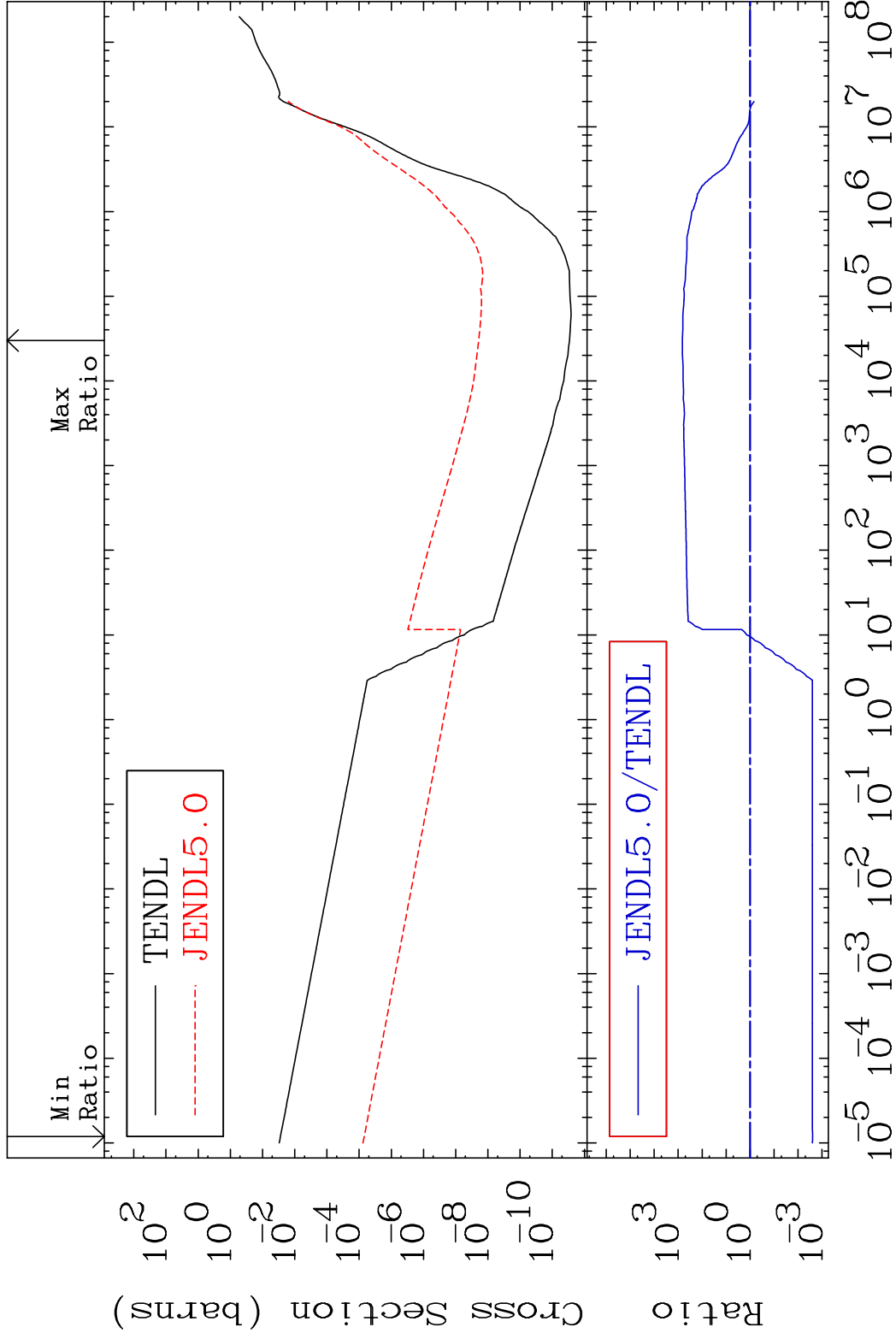
64-Gd-154

MAT 6431

He-4 Production

64-Gd-154

Cross Section -99.75 To 9999. %

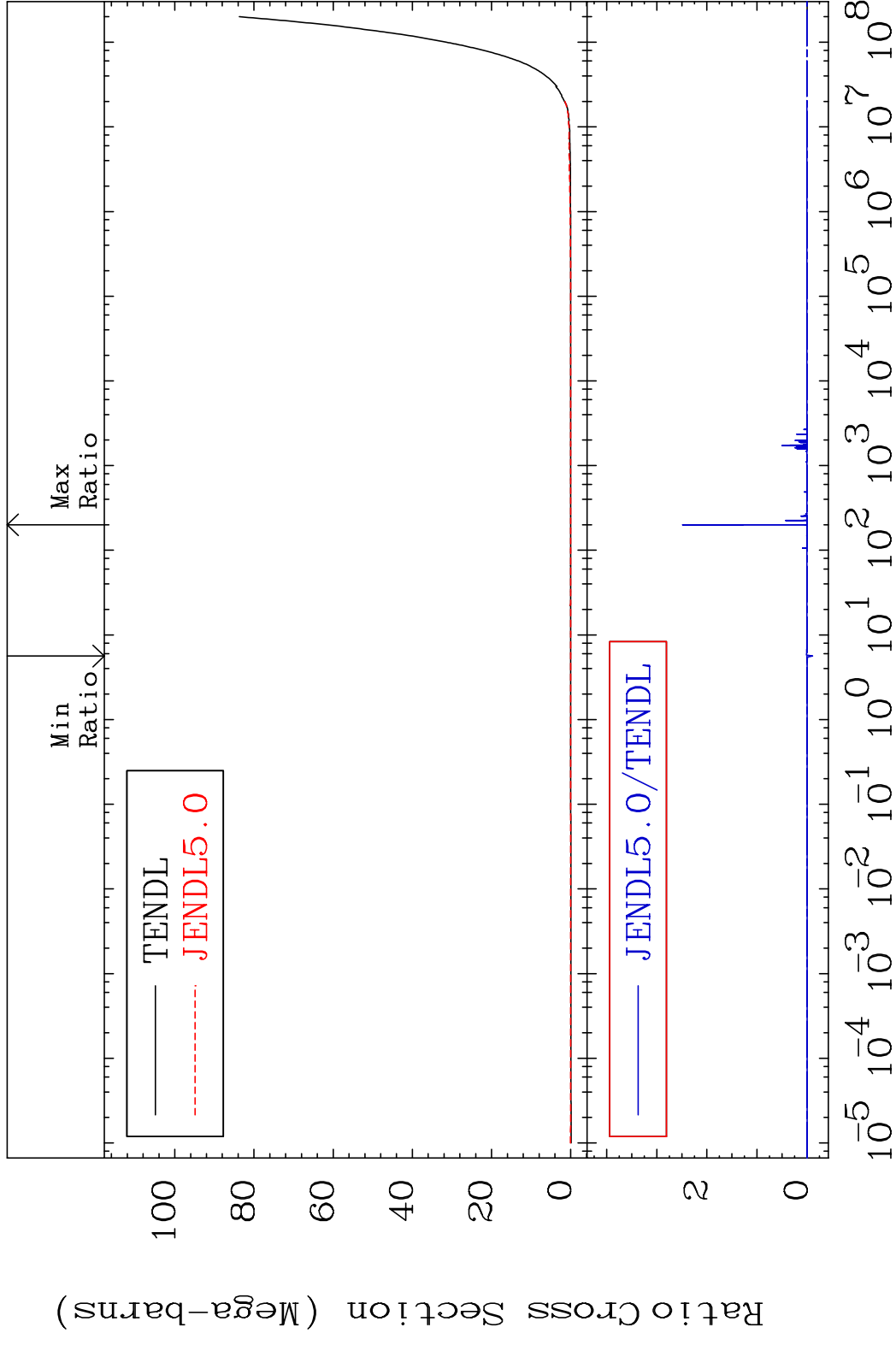


46

Incident Energy (eV)

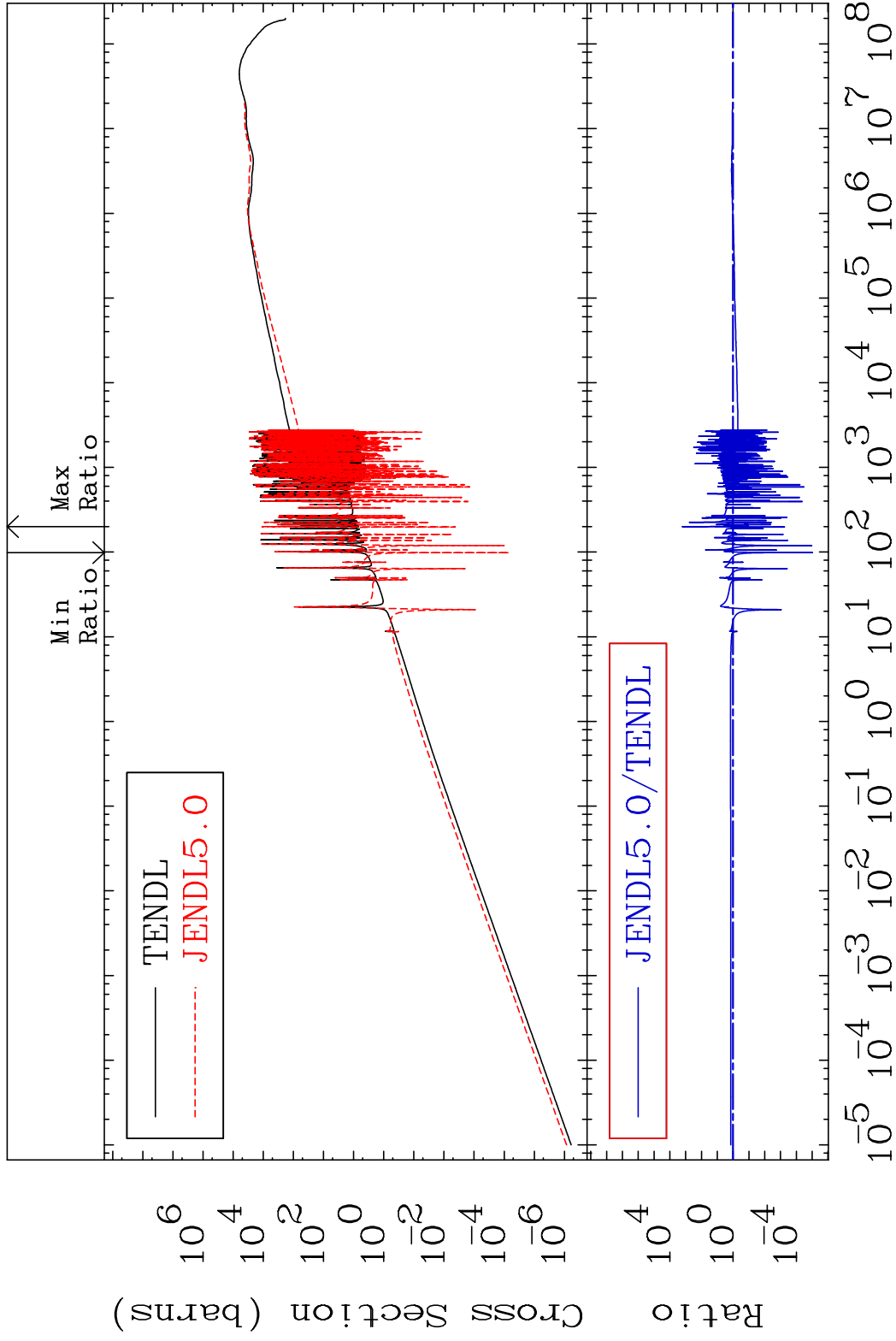
64-Gd-154

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

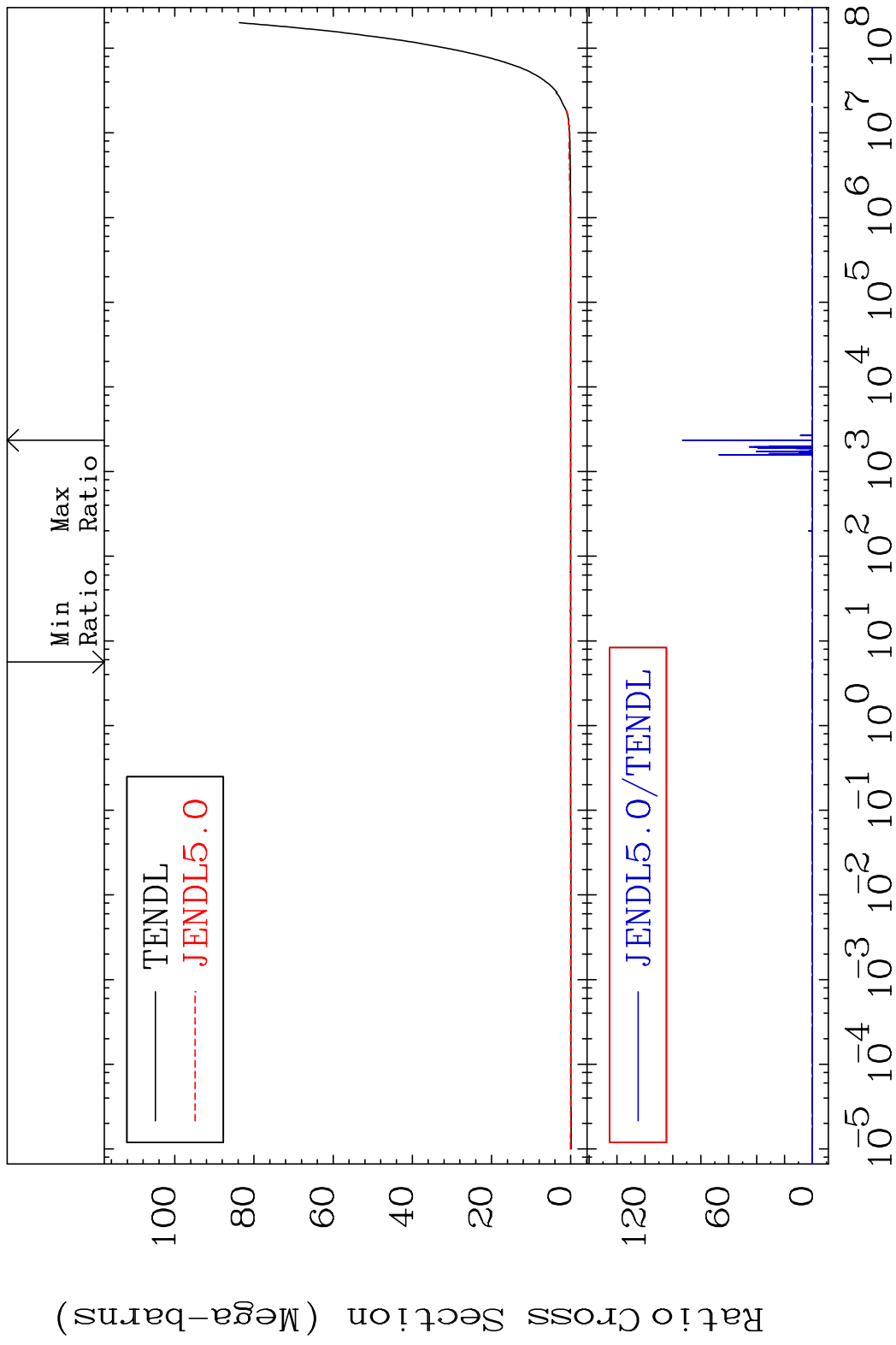


MAT 6431

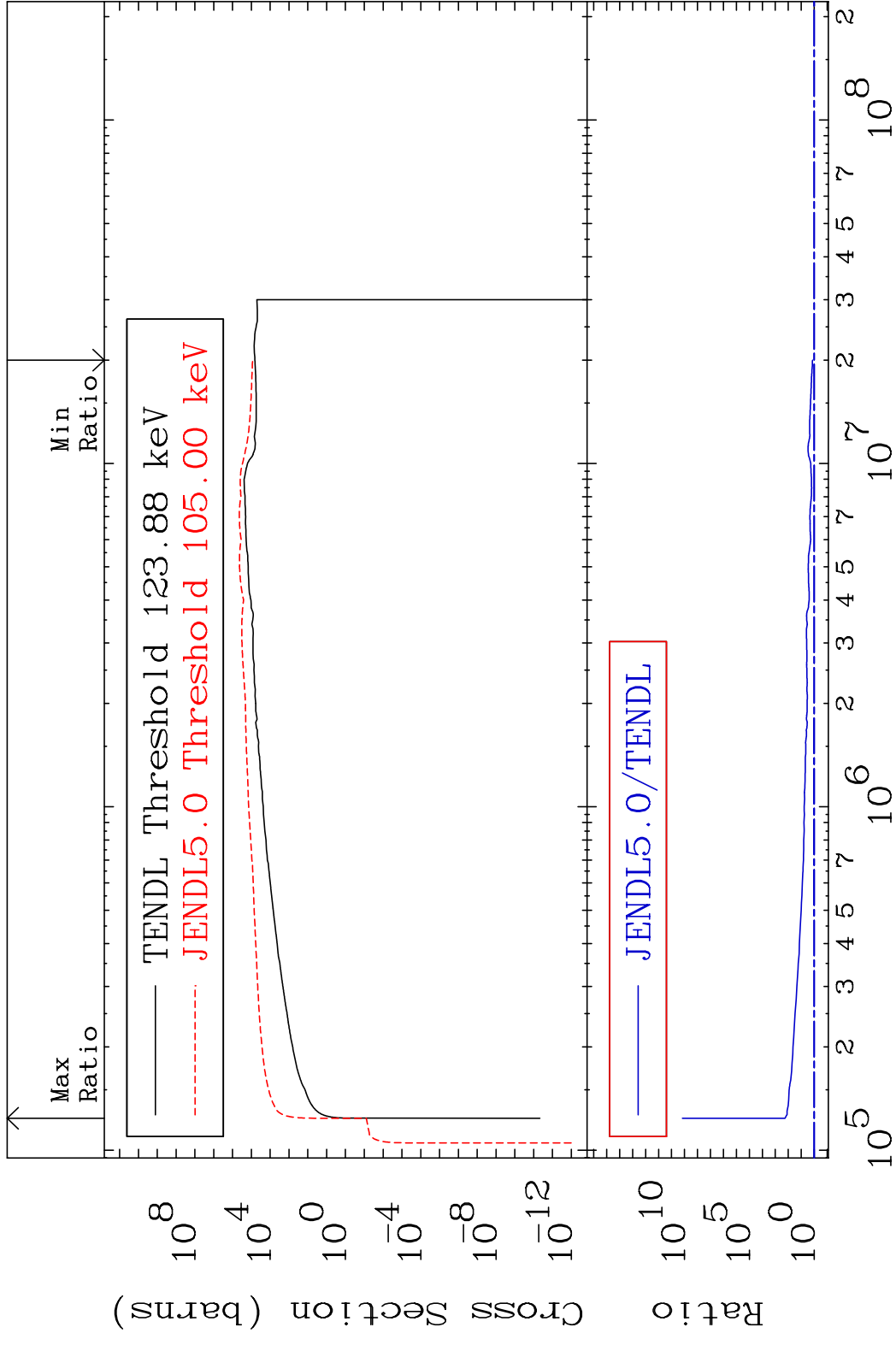
Kerma elastic Cross Section -100.0 To 9999. %  
64-Gd-154



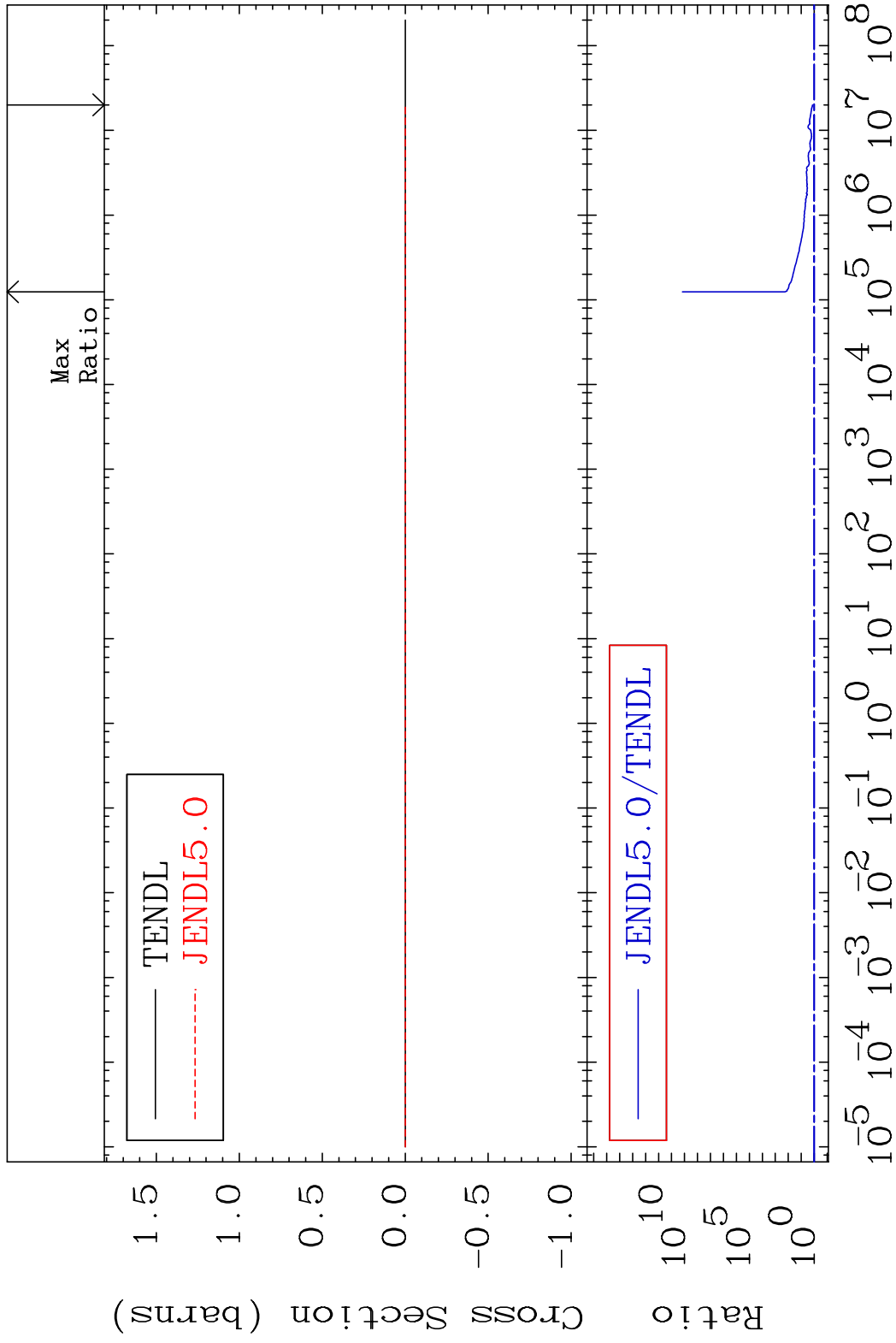
MAT 6431 Kerma non-elastic (all but mt2) 64-Gd-154  
 Cross Section -4935. To 9999. %



MAT 6431 Kerma inelastic (mt51-91) 64-Gd-154  
 Cross Section 34.60 To 9999. %



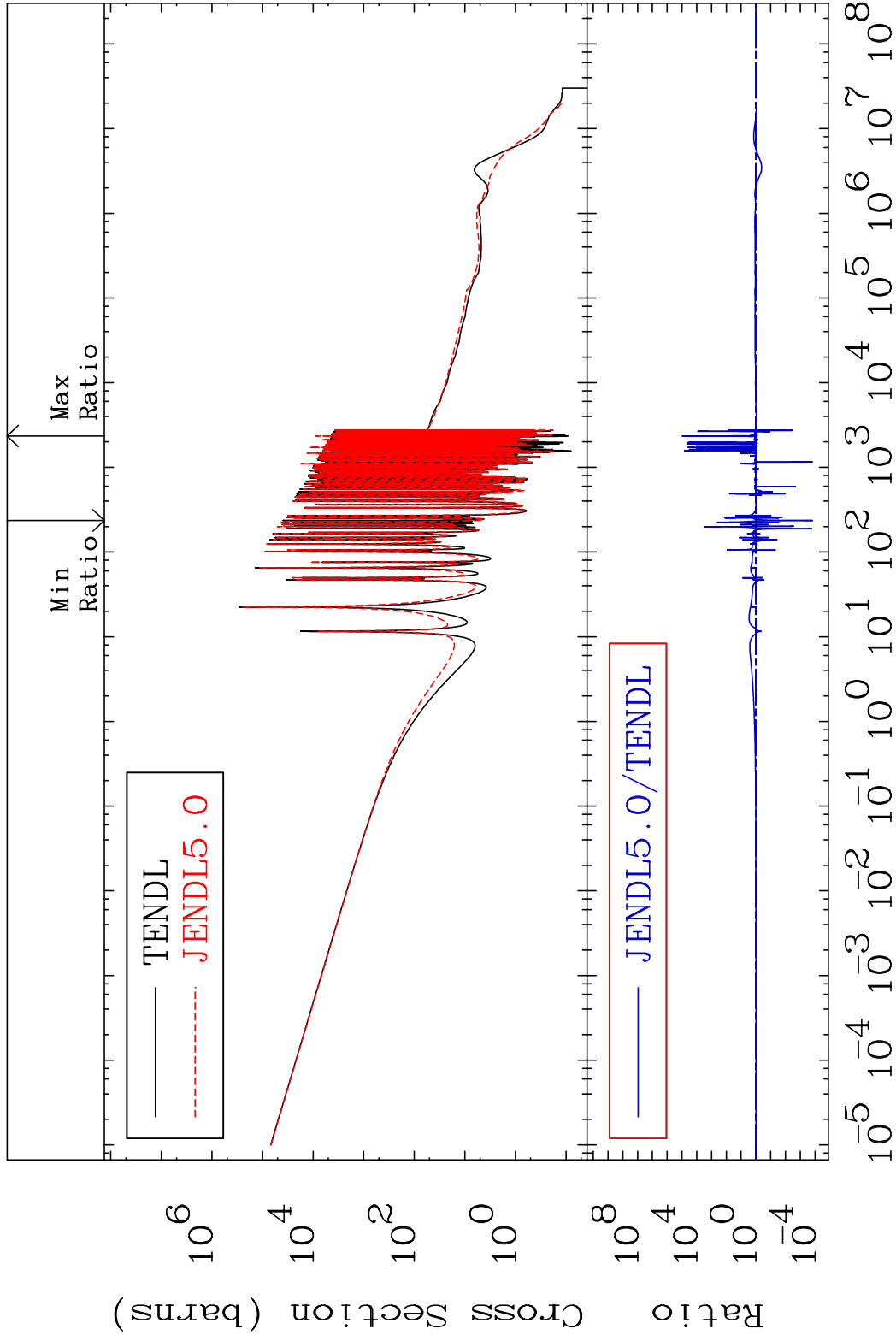
MAT 6431 Kerma fission (mt18 or mt19-20-21-38) 64-Gd-154  
 Cross Section 34.60 To 9999. %



MAT 6431

Kerma capture (mt102) 64-Gd-154

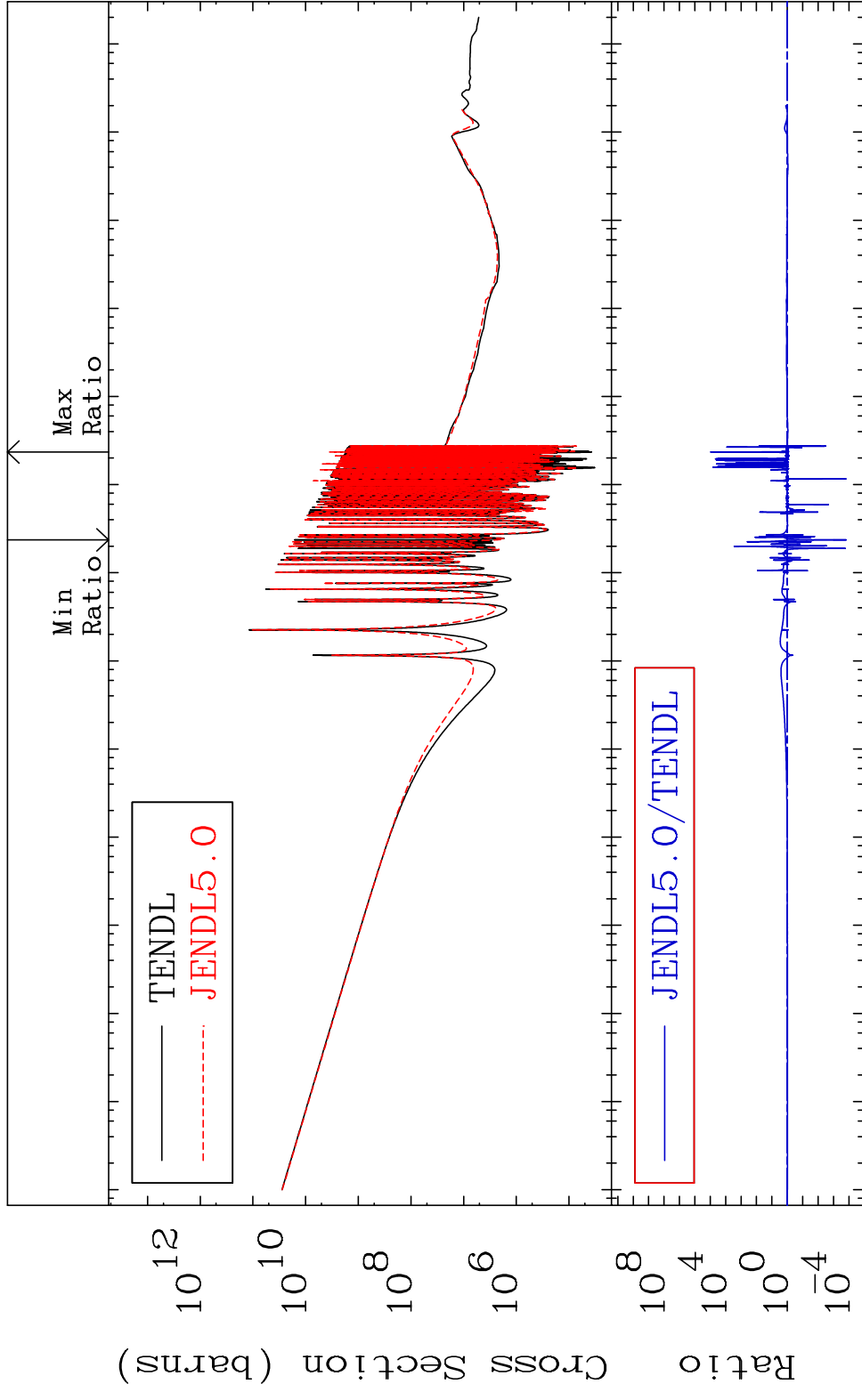
Cross Section -99.99 To 9999. %



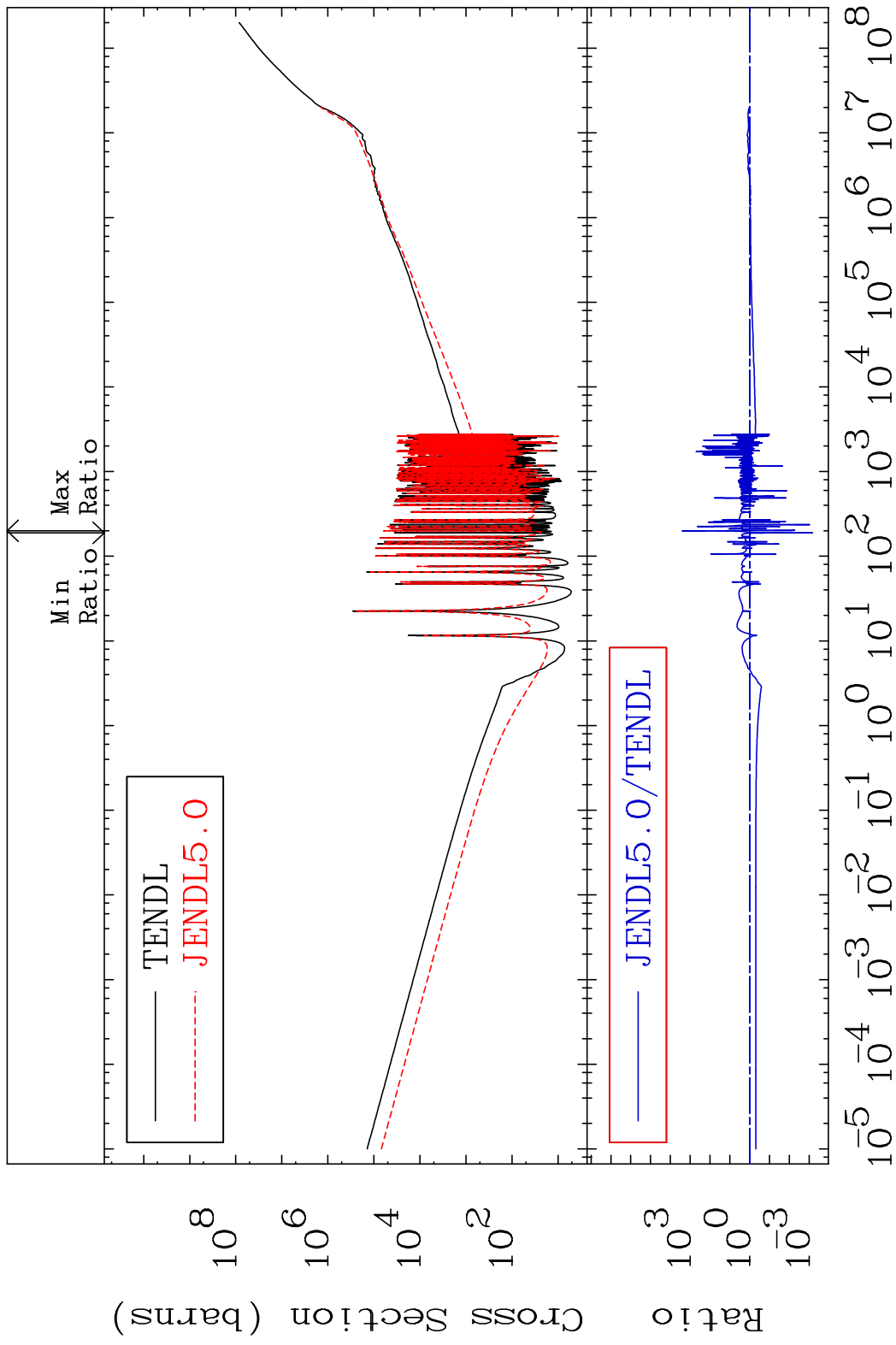
52

Incident Energy (eV) 64-Gd-154

MAT 6431 Total photon (eV-barns) 64-Gd-154  
 Cross Section -99.99 To 9999. %



MAT 6431 Total kinematic kerma (high limit) 64-Gd-154  
 Cross Section -99.93 To 9999. %

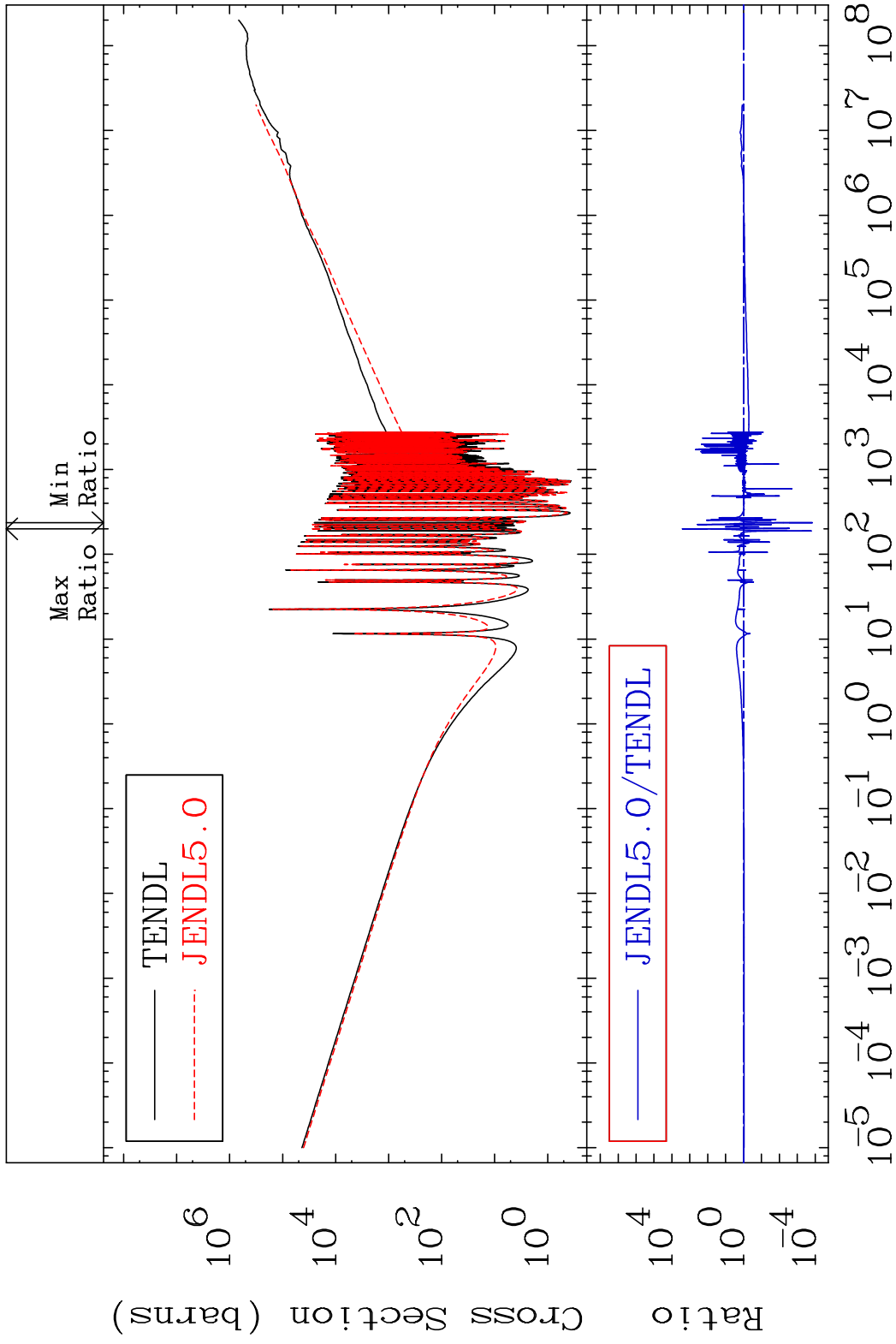


MAT 6431

Dpa total (eV-barns)

64-Gd-154

Cross Section -99.99 To 9999. %



55

Incident Energy (eV)

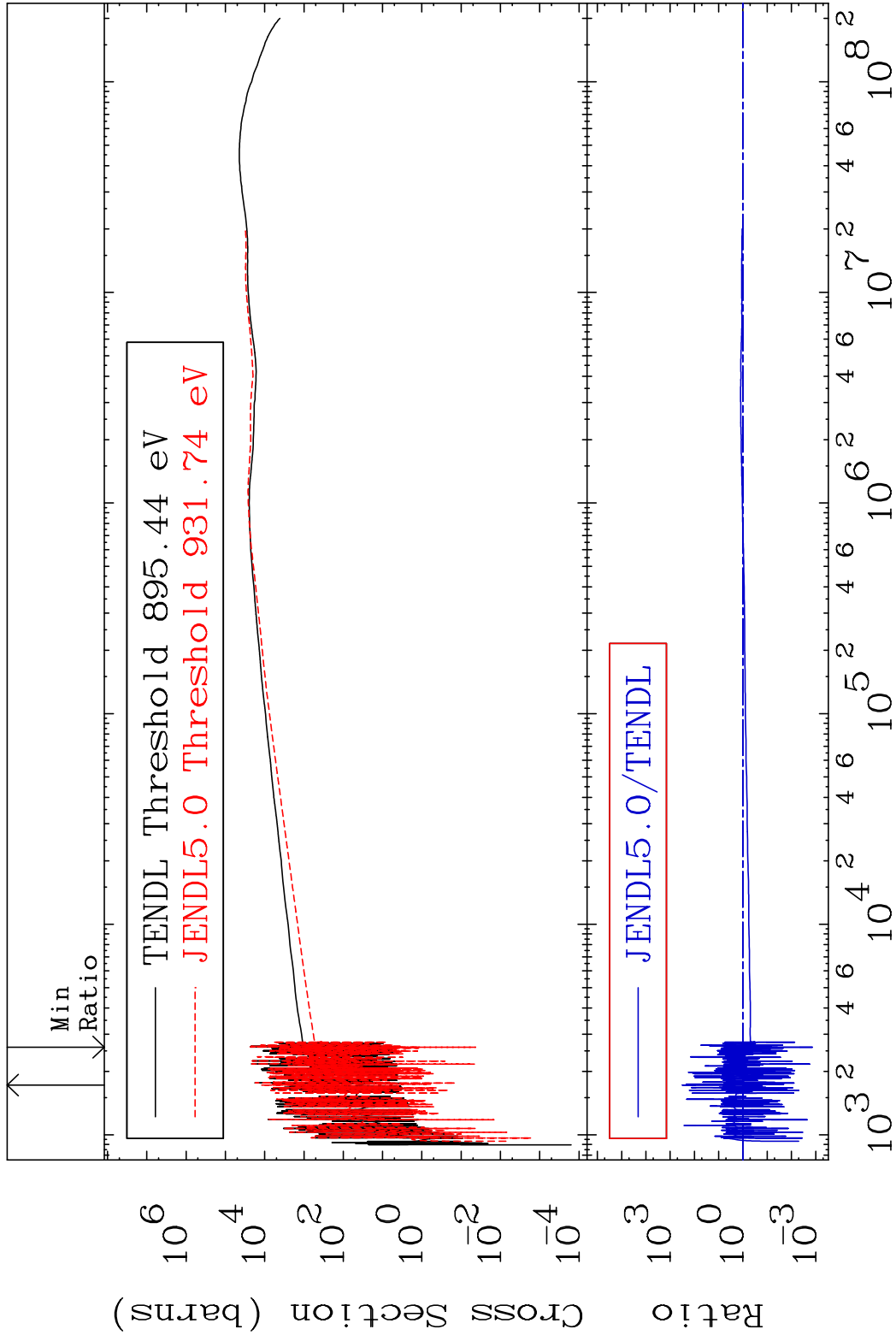
64-Gd-154

MAT 6431

Dpa elastic (mt2)

64-Gd-154

Cross Section -99.87 To 9999. %

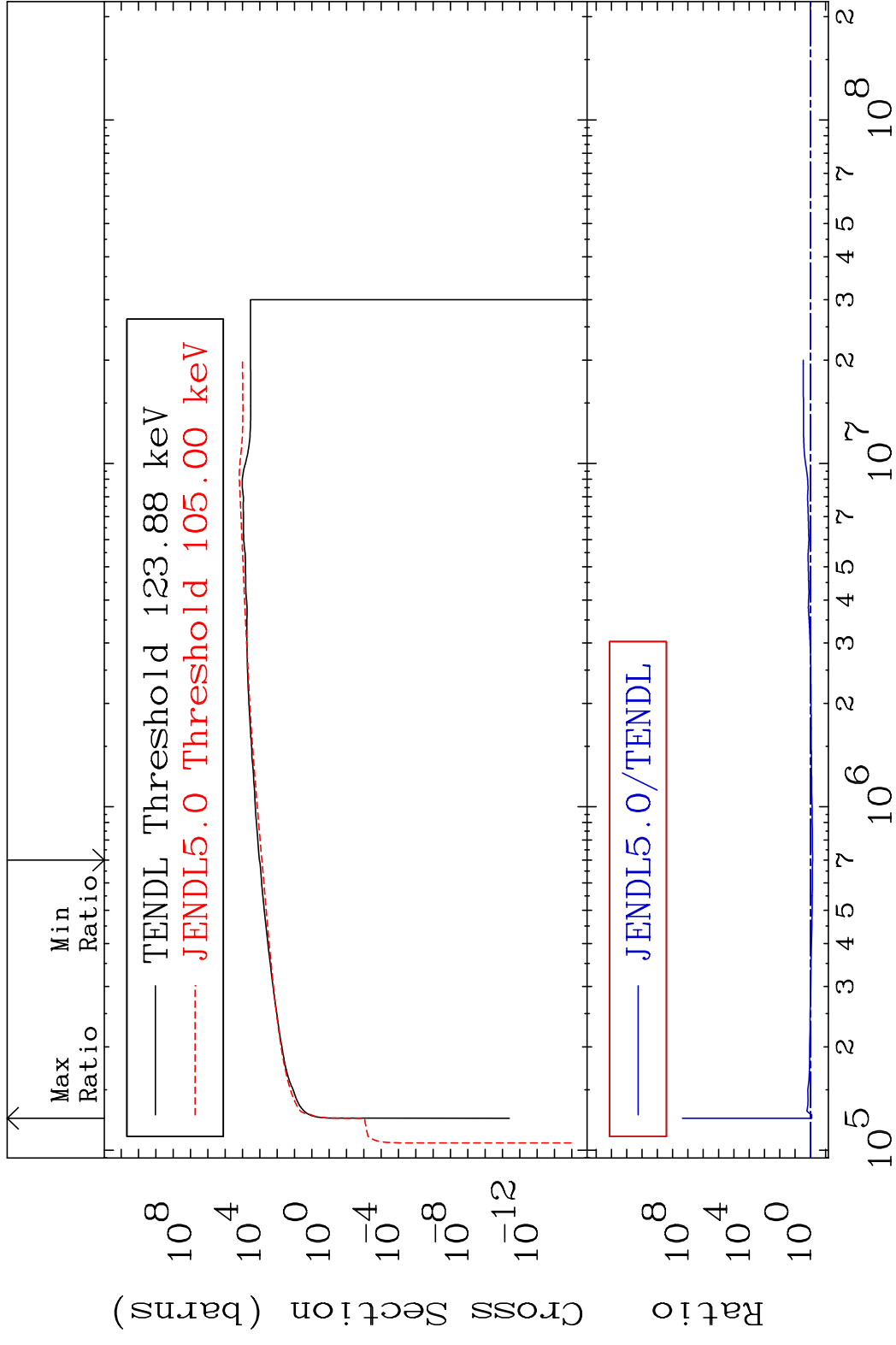


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Incident Energy (eV)

64-Gd-154

MAT 6431      Dpa inelastic (mt51-91)      64-Gd-154  
 Cross Section    -28.23 To 9999. %



MAT 6431 Dpa disappearance (mt102 -120) 64-Gd-154  
 Cross Section -99.99 To 9999. %

