

Program Complot  
(Version 2021-1)

by

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Press Mouse Button to Start

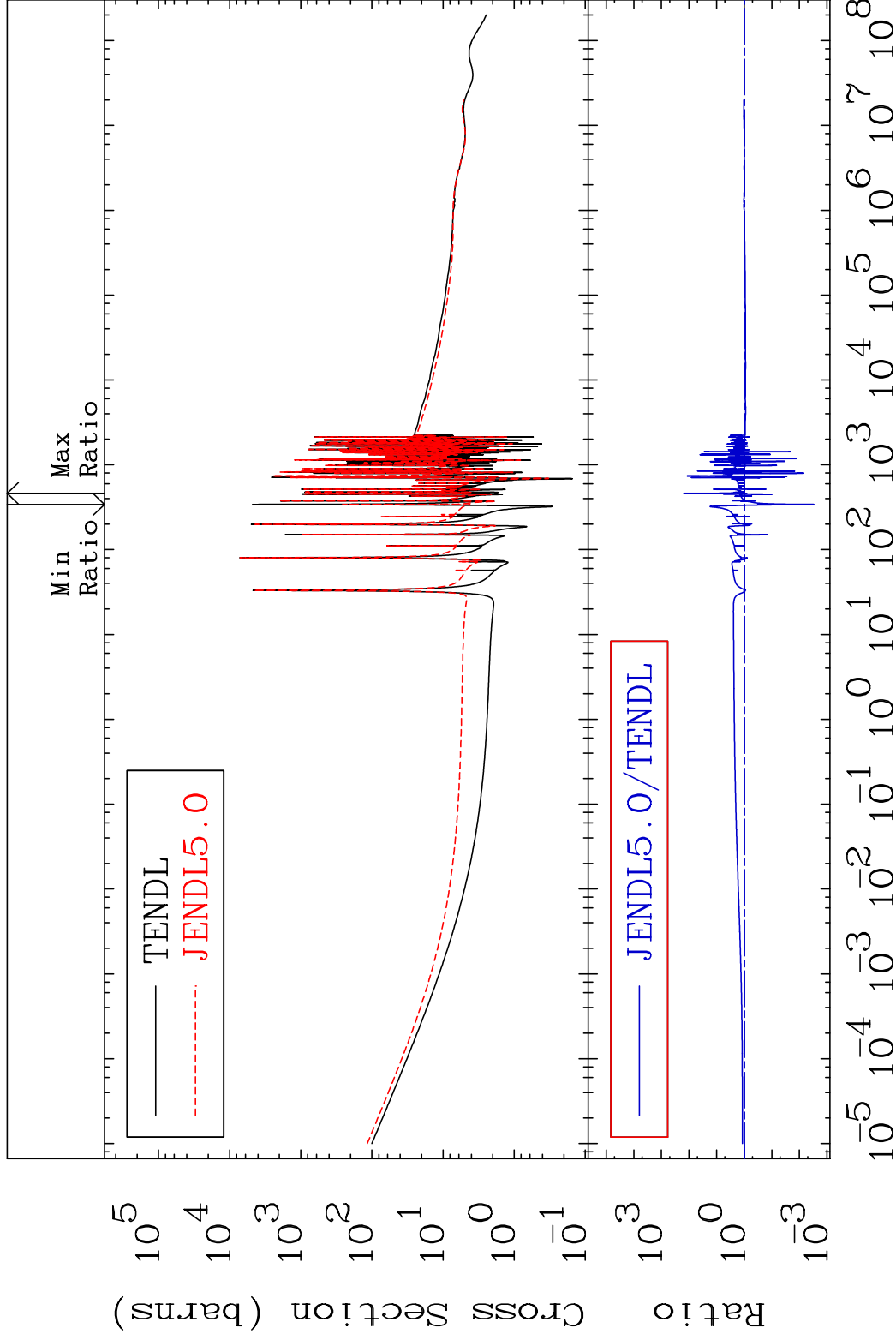
MAT 6437

Total

64-Gd-156

Cross Section

-99.71 To 9999. %



1

Incident Energy (eV)

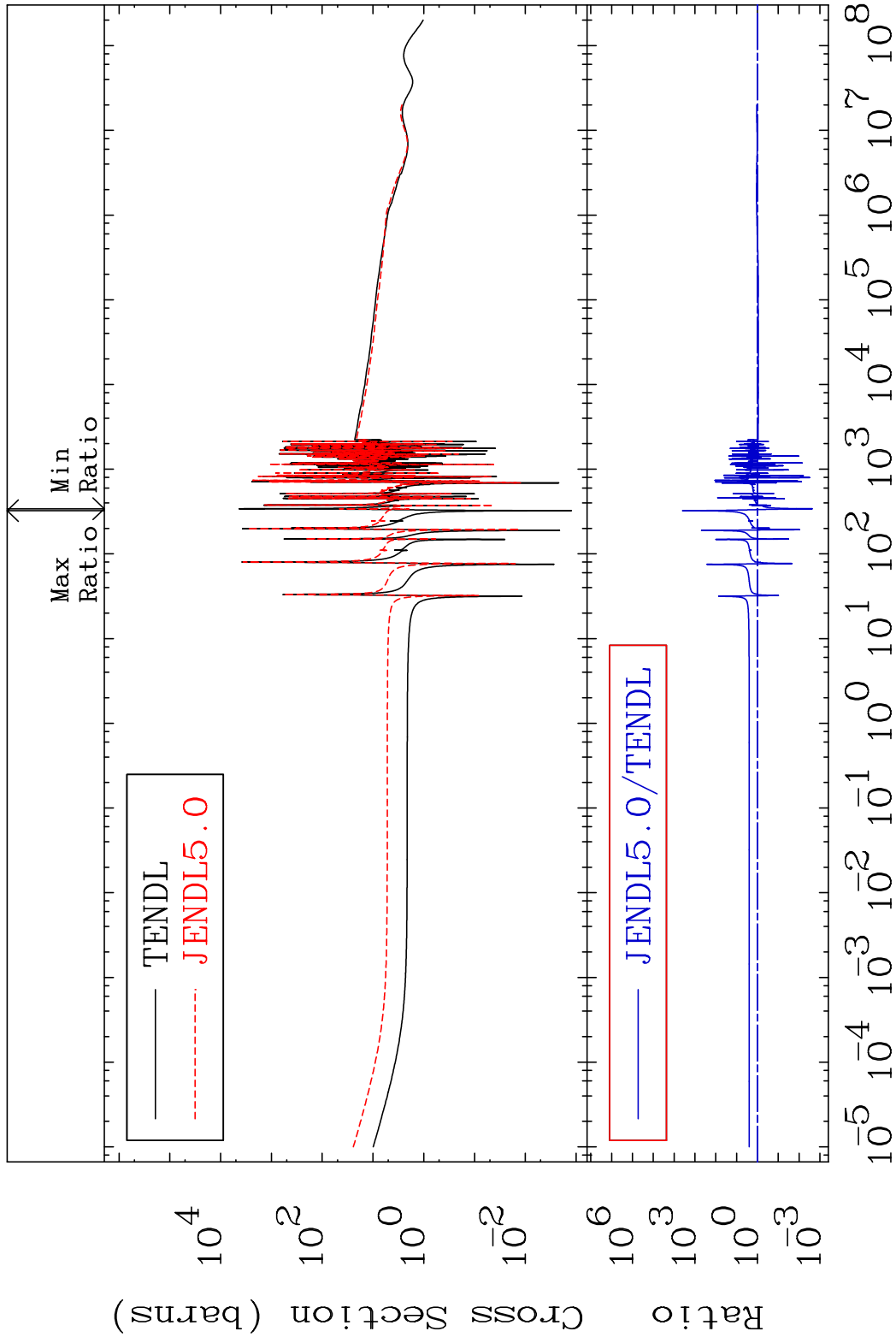
64-Gd-156

MAT 6437

Elastic

64-Gd-156

Cross Section -99.78 To 9999. %



2

Incident Energy (eV)

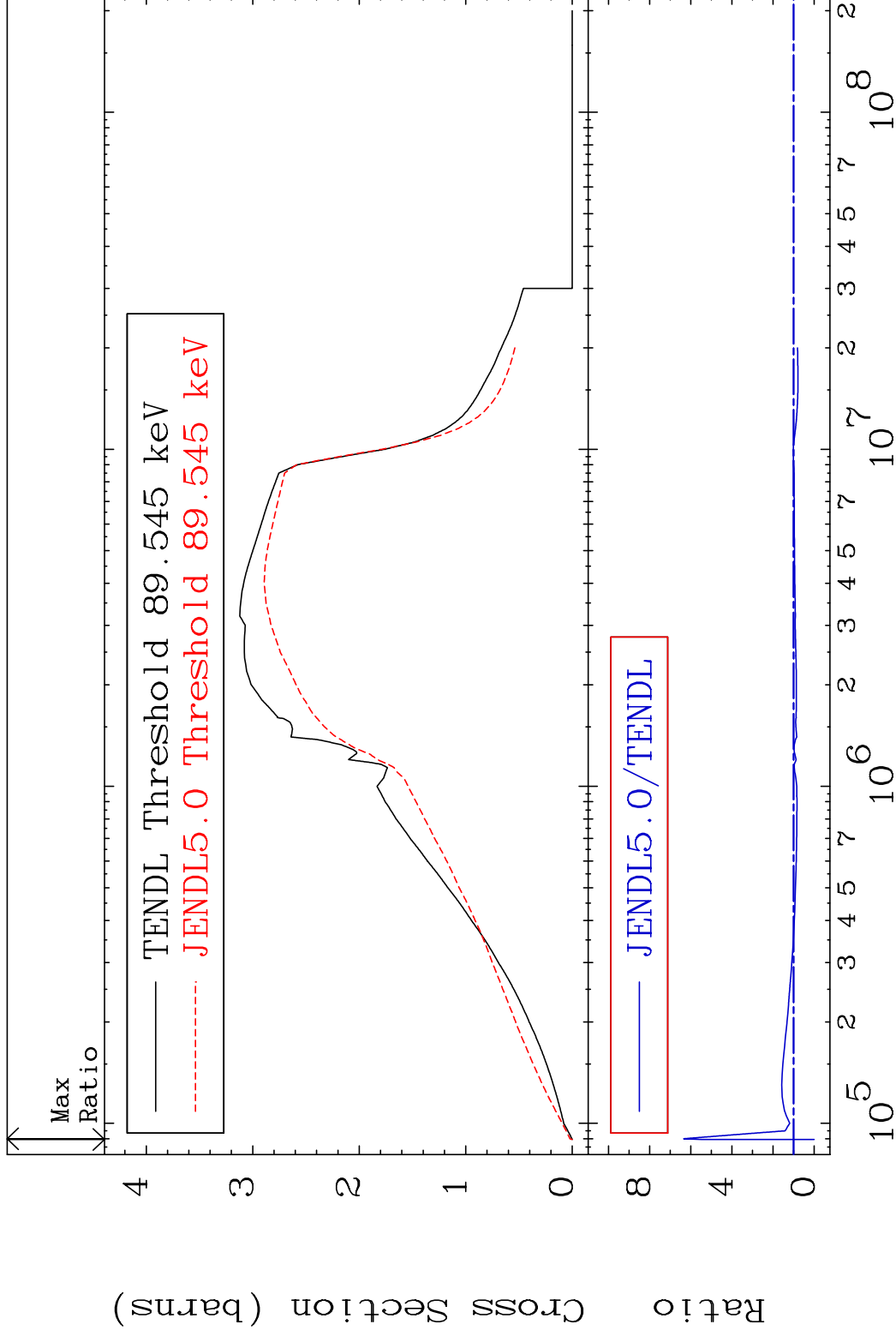
64-Gd-156

MAT 6437

Inelastic

64-Gd-156

Cross Section -100.0 To 534.7 %



3

Incident Energy (eV)

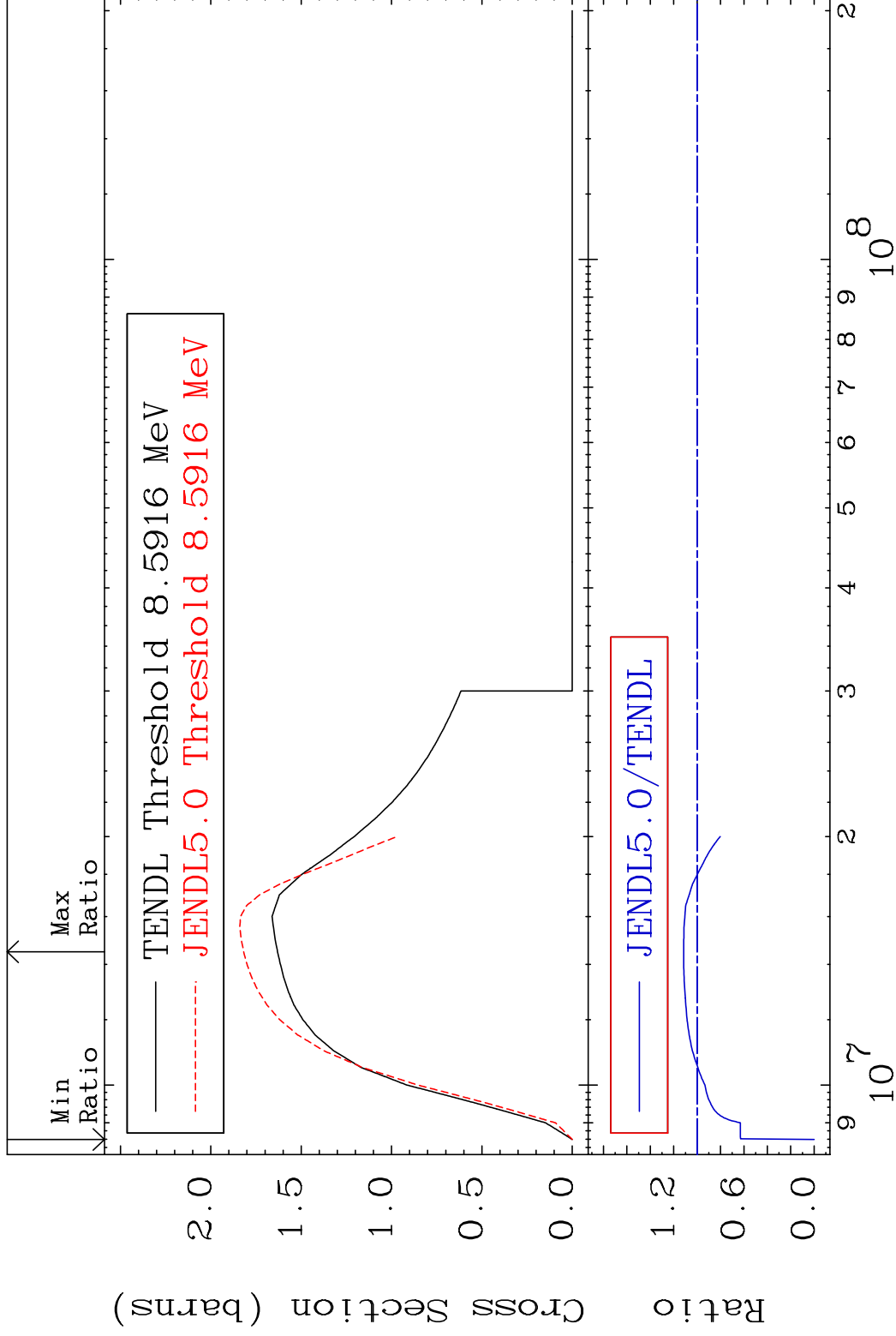
64-Gd-156

MAT 6437

(n,2n)

64-Gd-156

Cross Section -100.0 To 11.50 %



4

Incident Energy (eV)

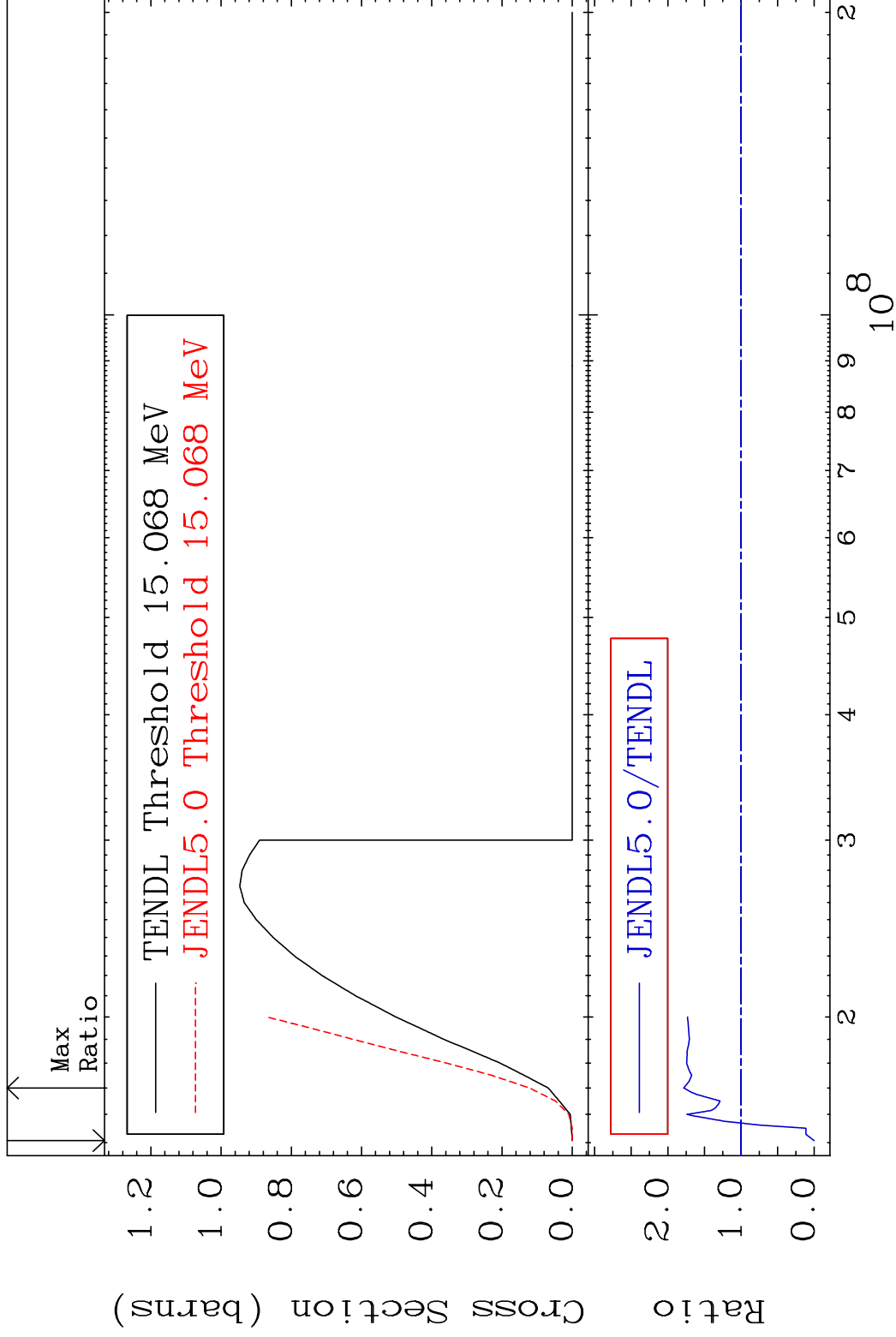
64-Gd-156

MAT 6437

(n,3n)

64-Gd-156

Cross Section -100.0 To 78.34 %



5

Incident Energy (eV)

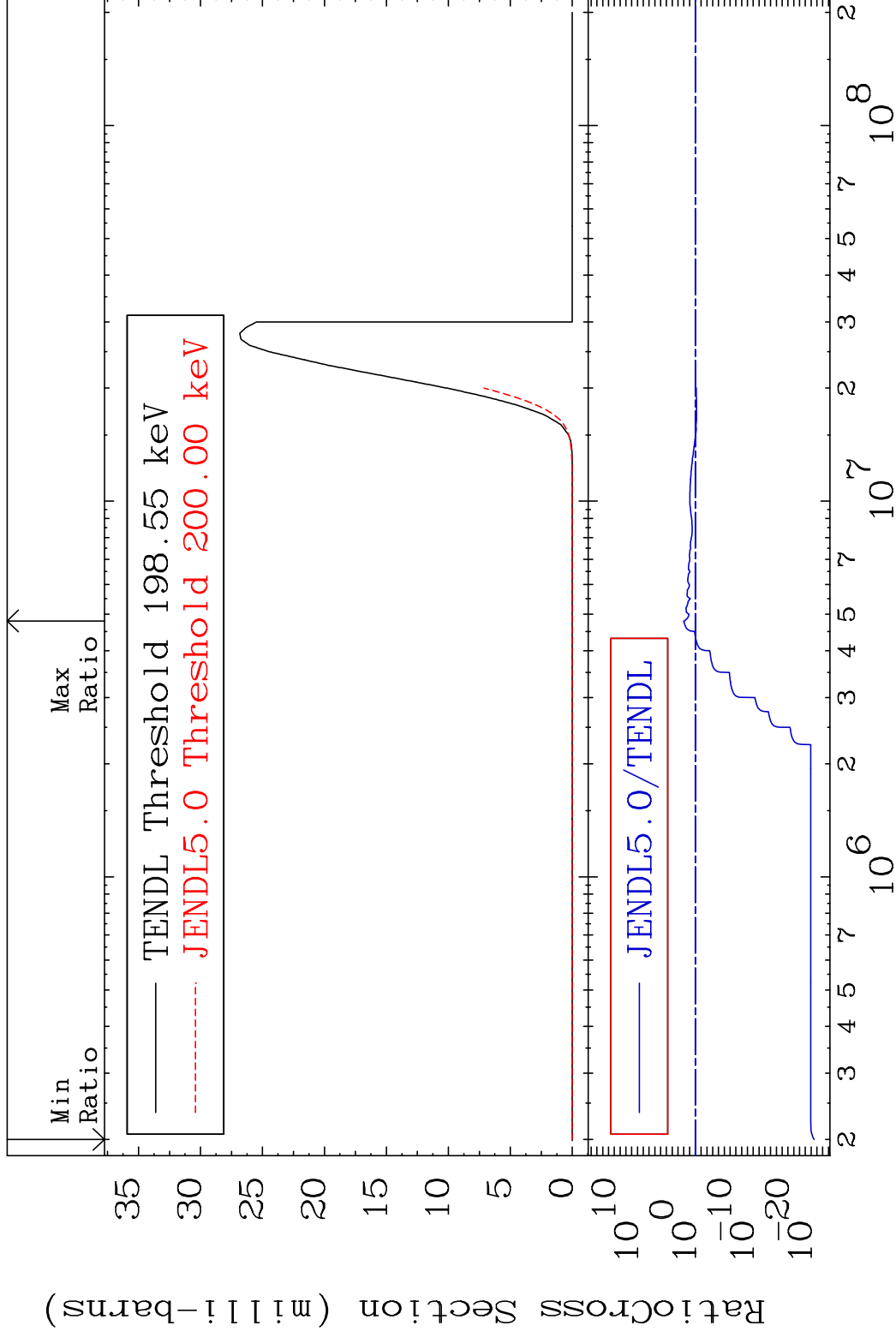
64-Gd-156

MAT 6437

(n, n')  $\alpha$

64-Gd-156

Cross Section -100.0 To 9999. %

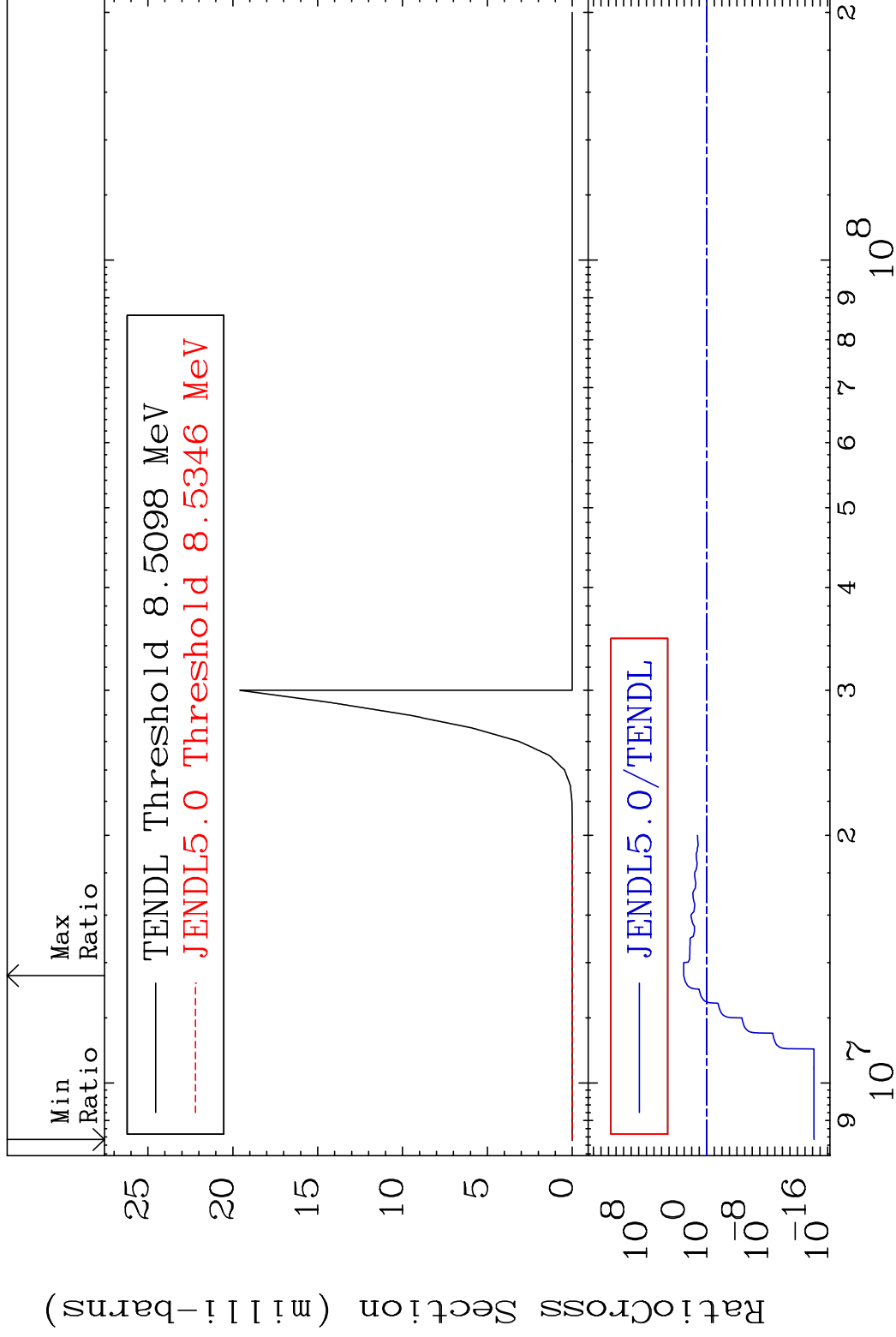


MAT 6437

(n,2n)  $\alpha$

64-Gd-156

Cross Section -100.0 To 9999. %



7

Incident Energy (eV)

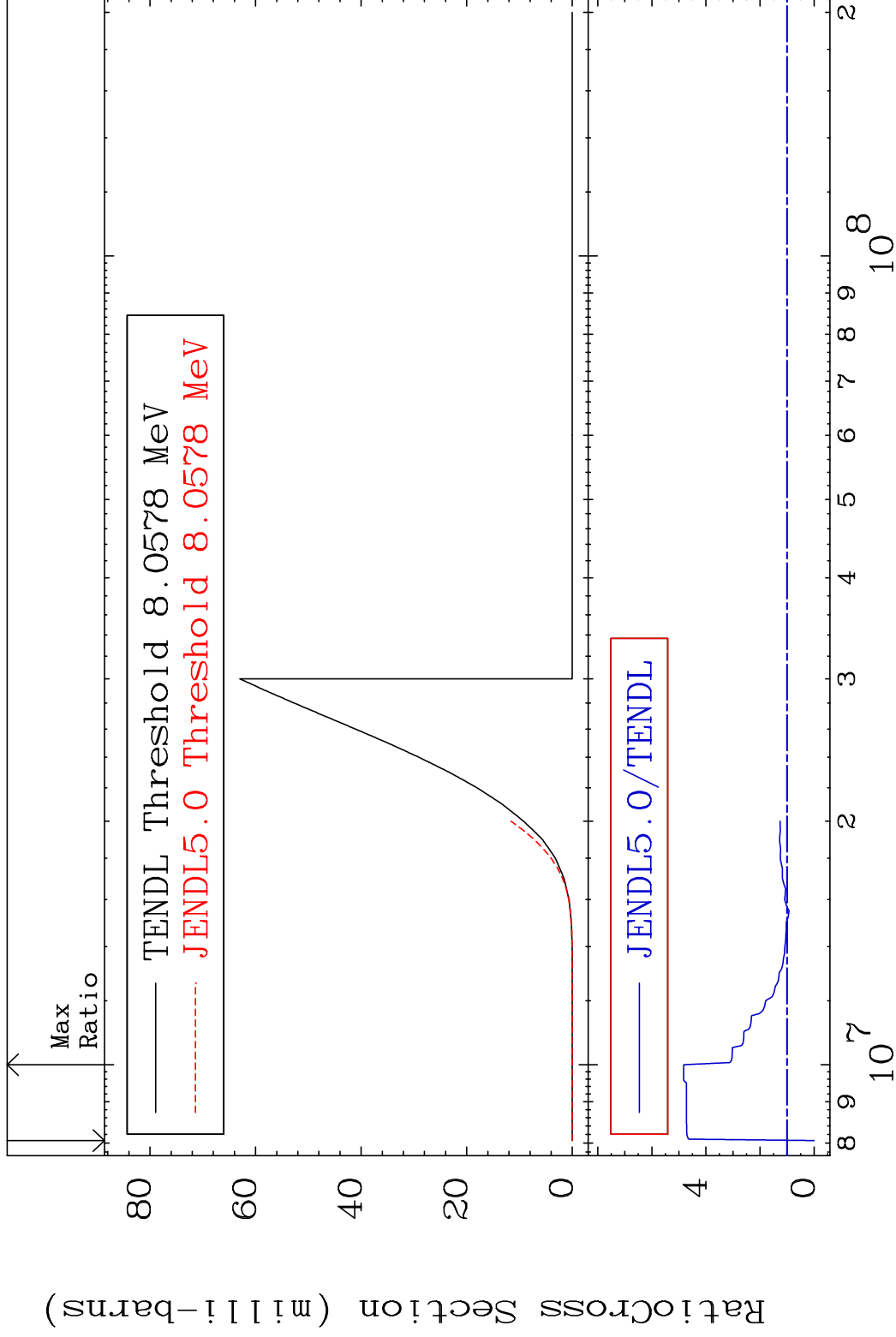
64-Gd-156

MAT 6437

(n, n') p

64-Gd-156

Cross Section -100.0 To 382.3 %



8

Incident Energy (eV)

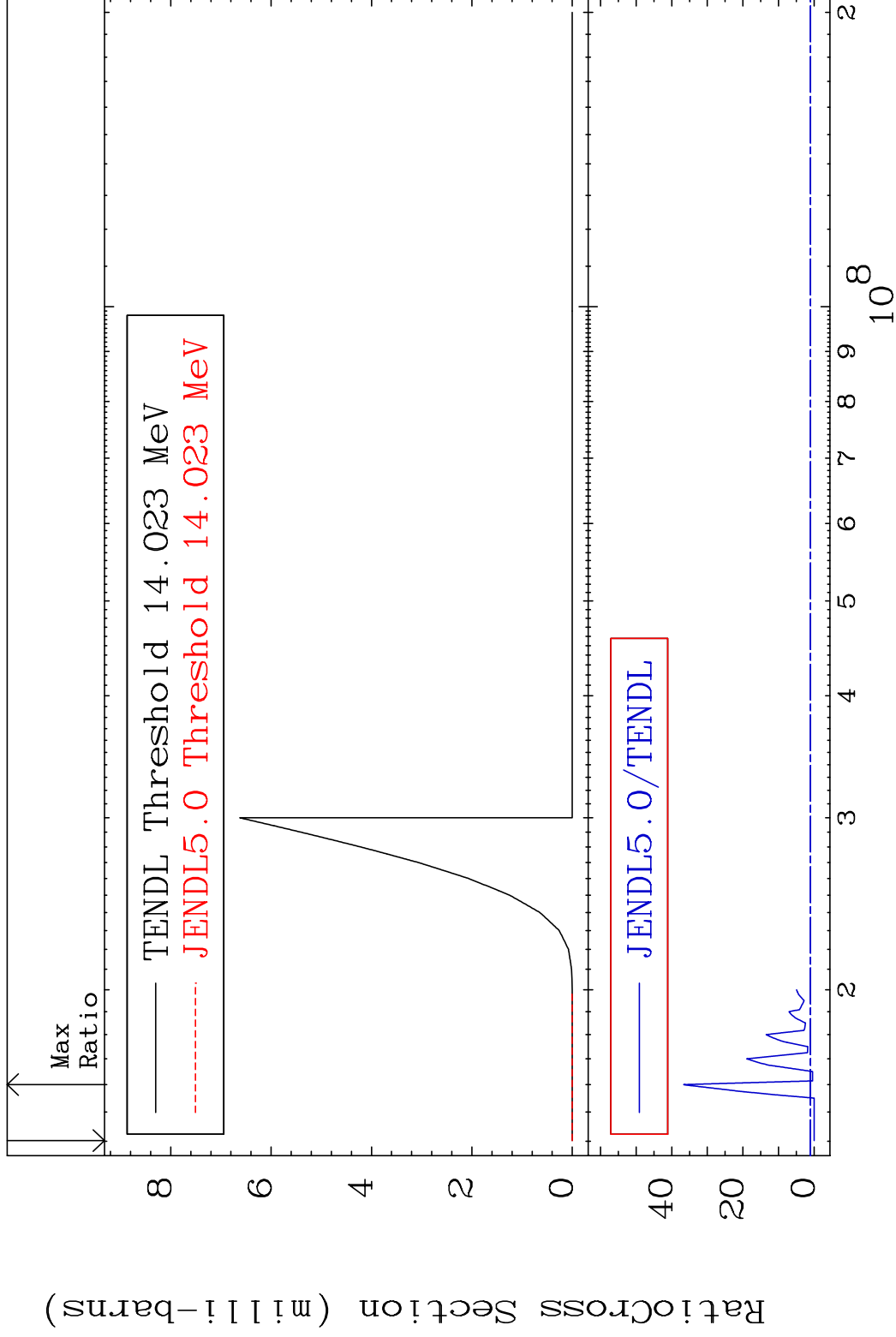
64-Gd-156

MAT 6437

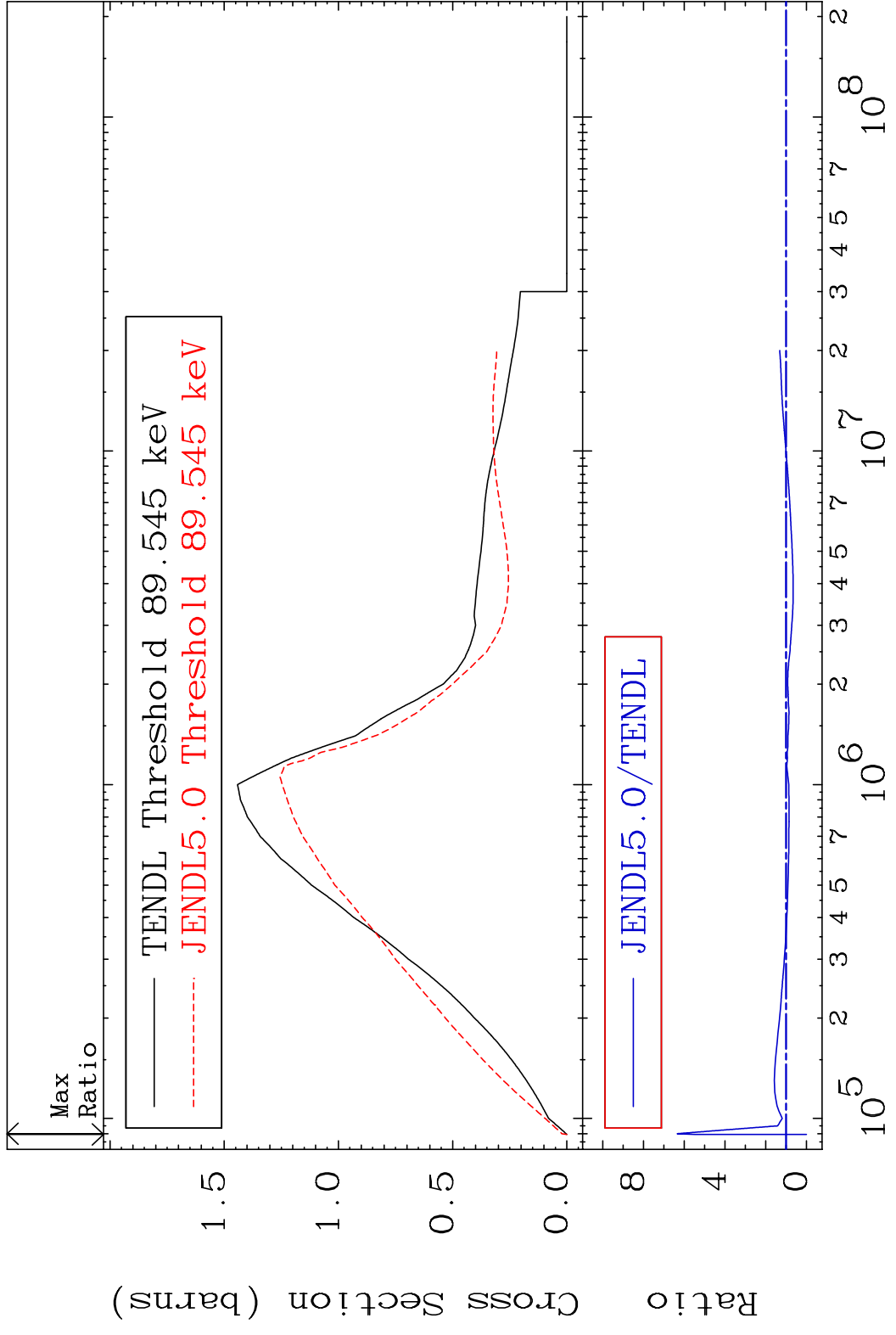
(n, n') d

64-Gd-156

Cross Section -100.0 To 3565. %

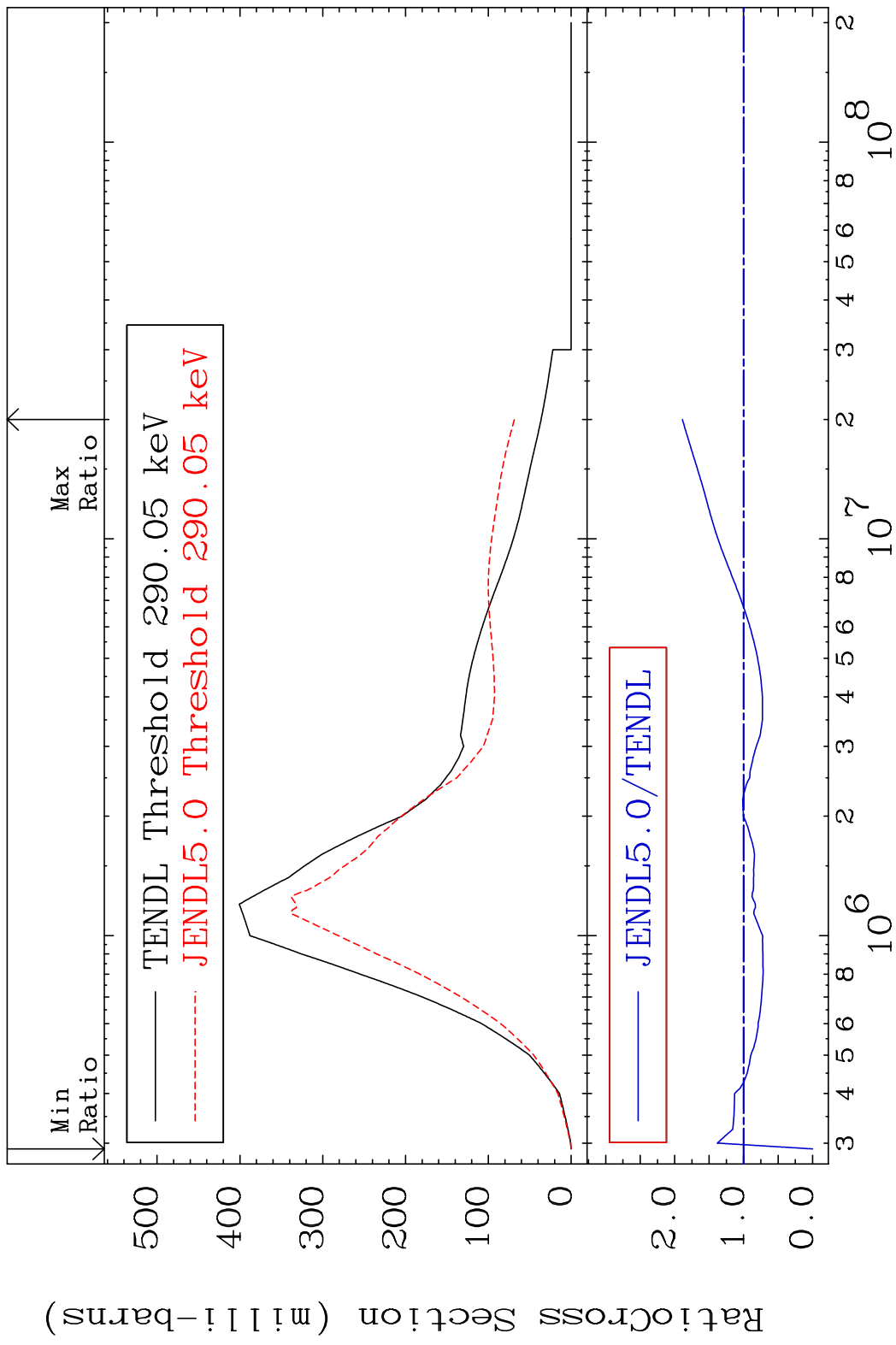


MAT 6437 MT= 51 (n,n') Level 64-Gd-156  
 Cross Section -100.0 To 534.7 %

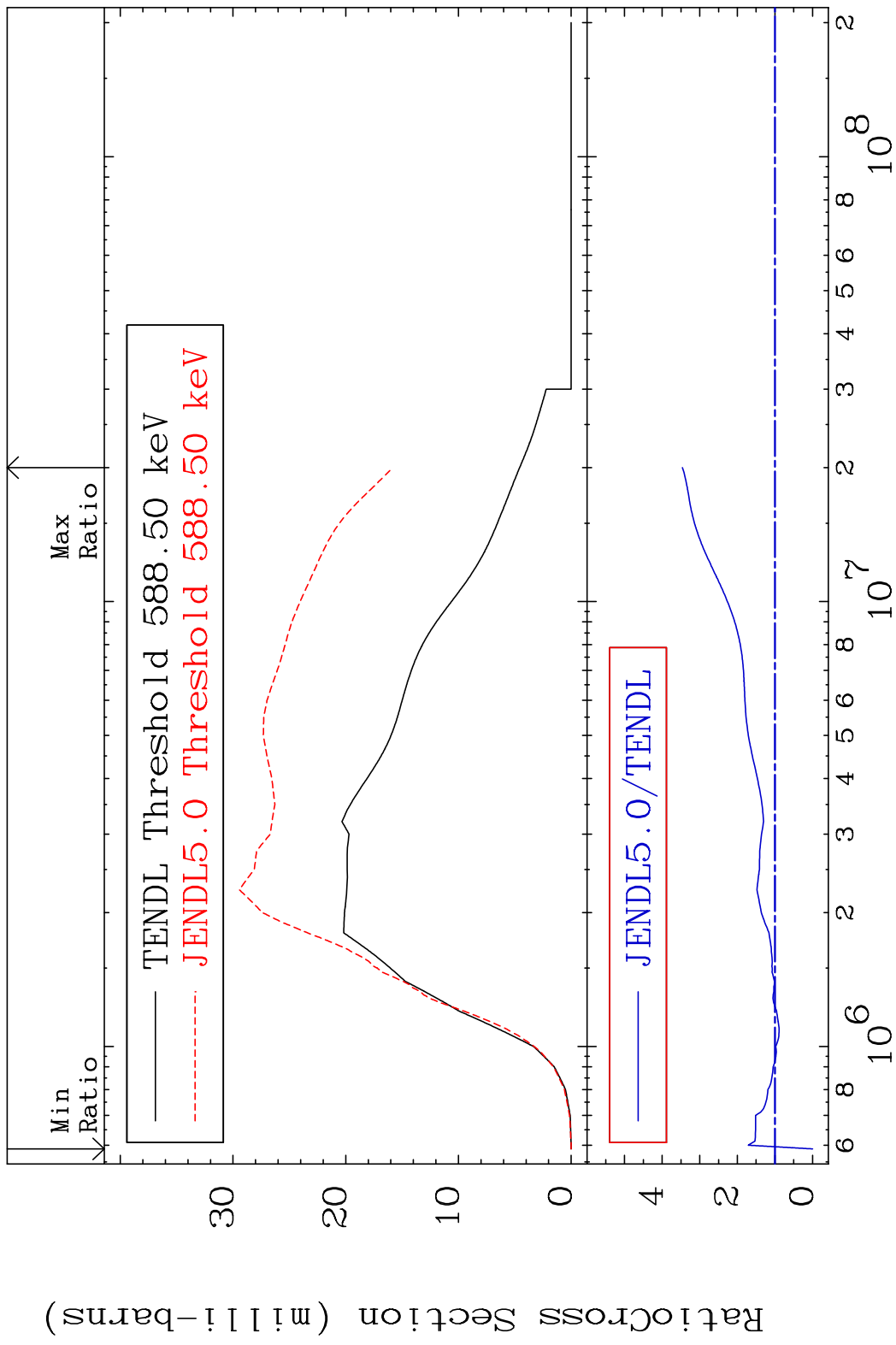


10 Incident Energy (eV) 64-Gd-156

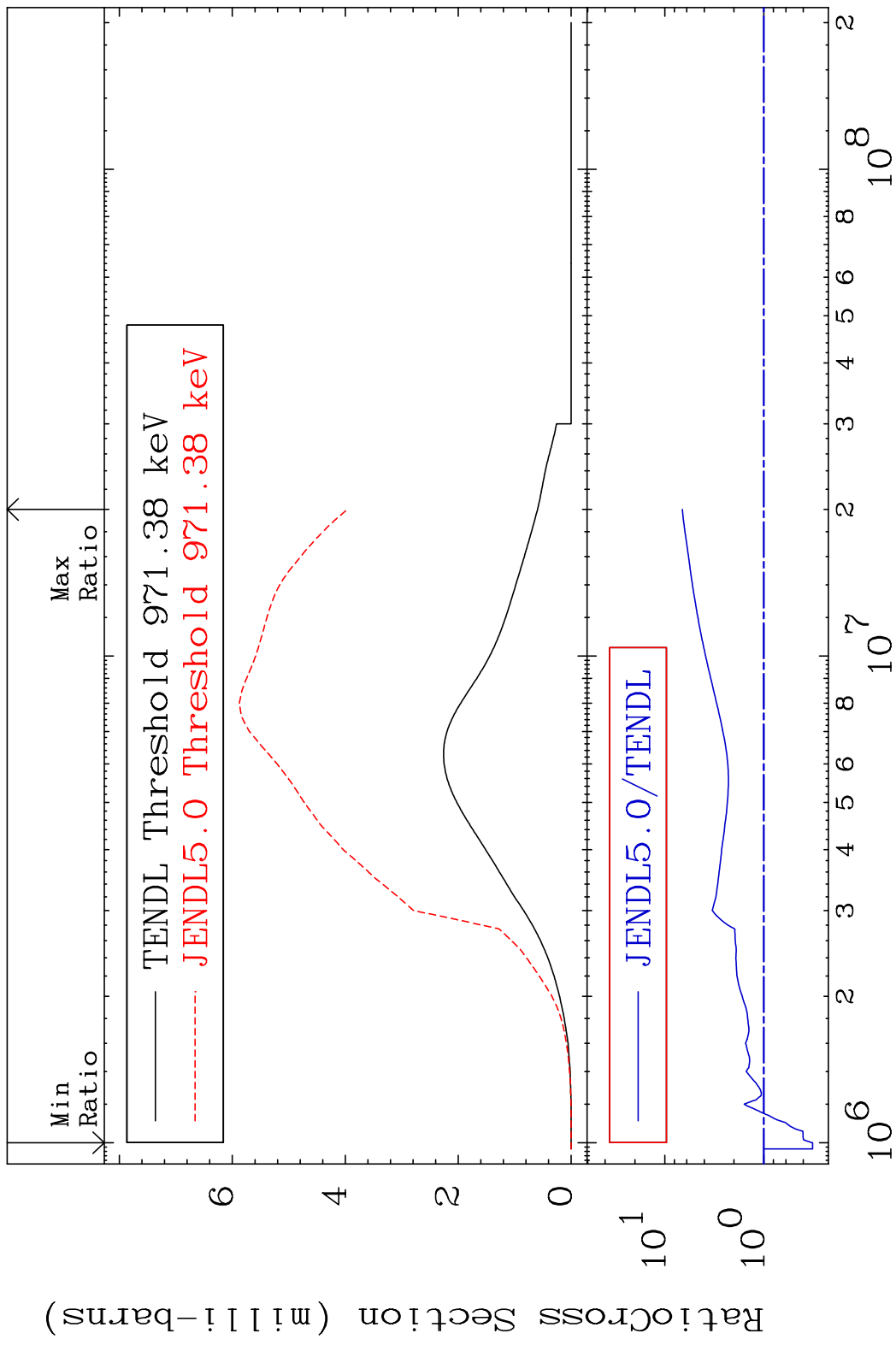
MAT 6437 MT= 52 (n, n') Level 64-Gd-156  
 Cross Section -100.0 To 88.87 %



MAT 6437 MT= 53 (n, n') Level 64-Gd-156  
 Cross Section -100.0 To 246.3 %

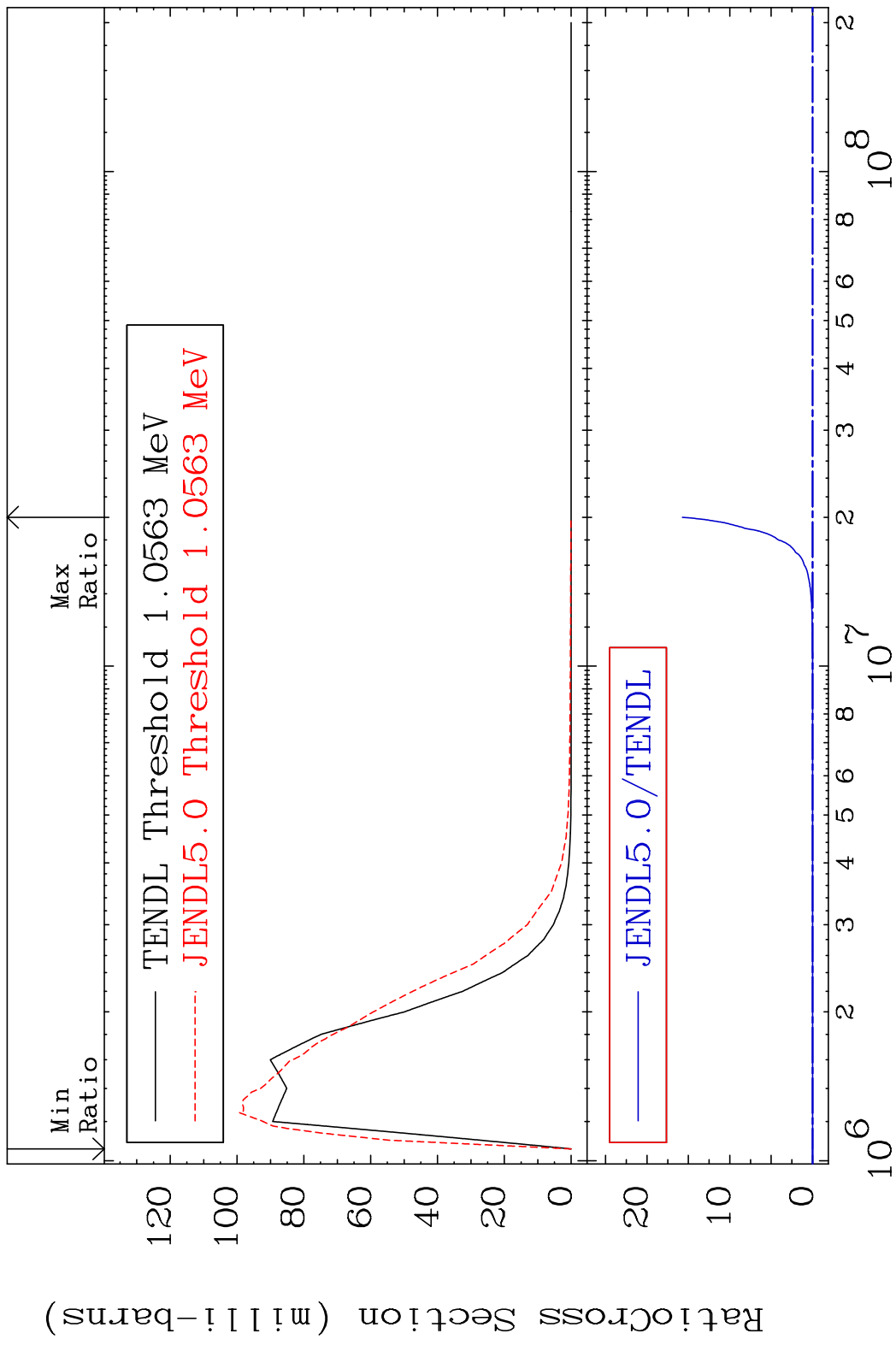


MAT 6437 MT= 54 (n, n') Level 64-Gd-156  
 Cross Section -67.77 To 564.8 %



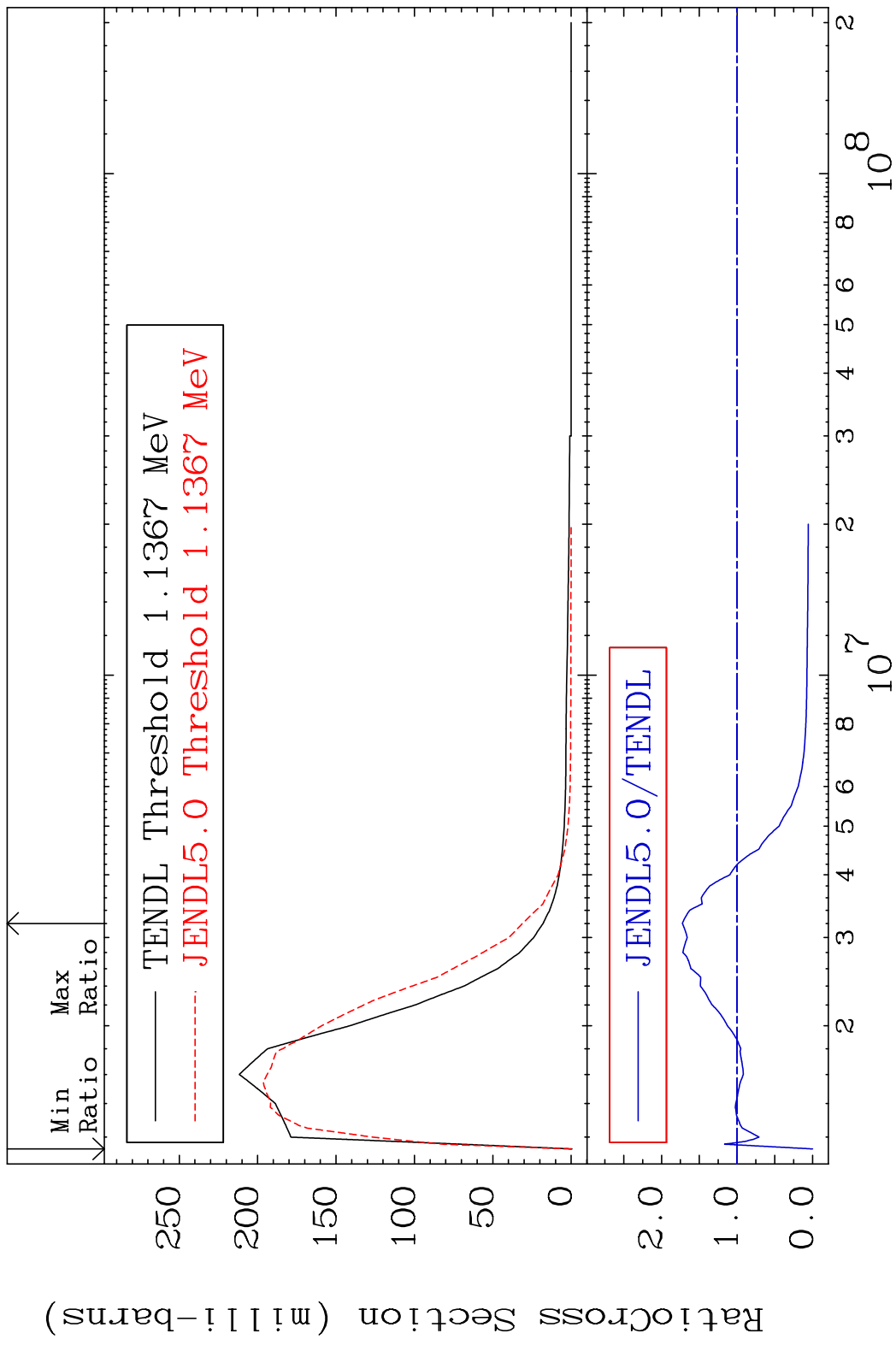
13 Incident Energy (eV) 64-Gd-156

MAT 6437 MT= 55 (n, n') Level 64-Gd-156  
 Cross Section -100.0 To 9999. %

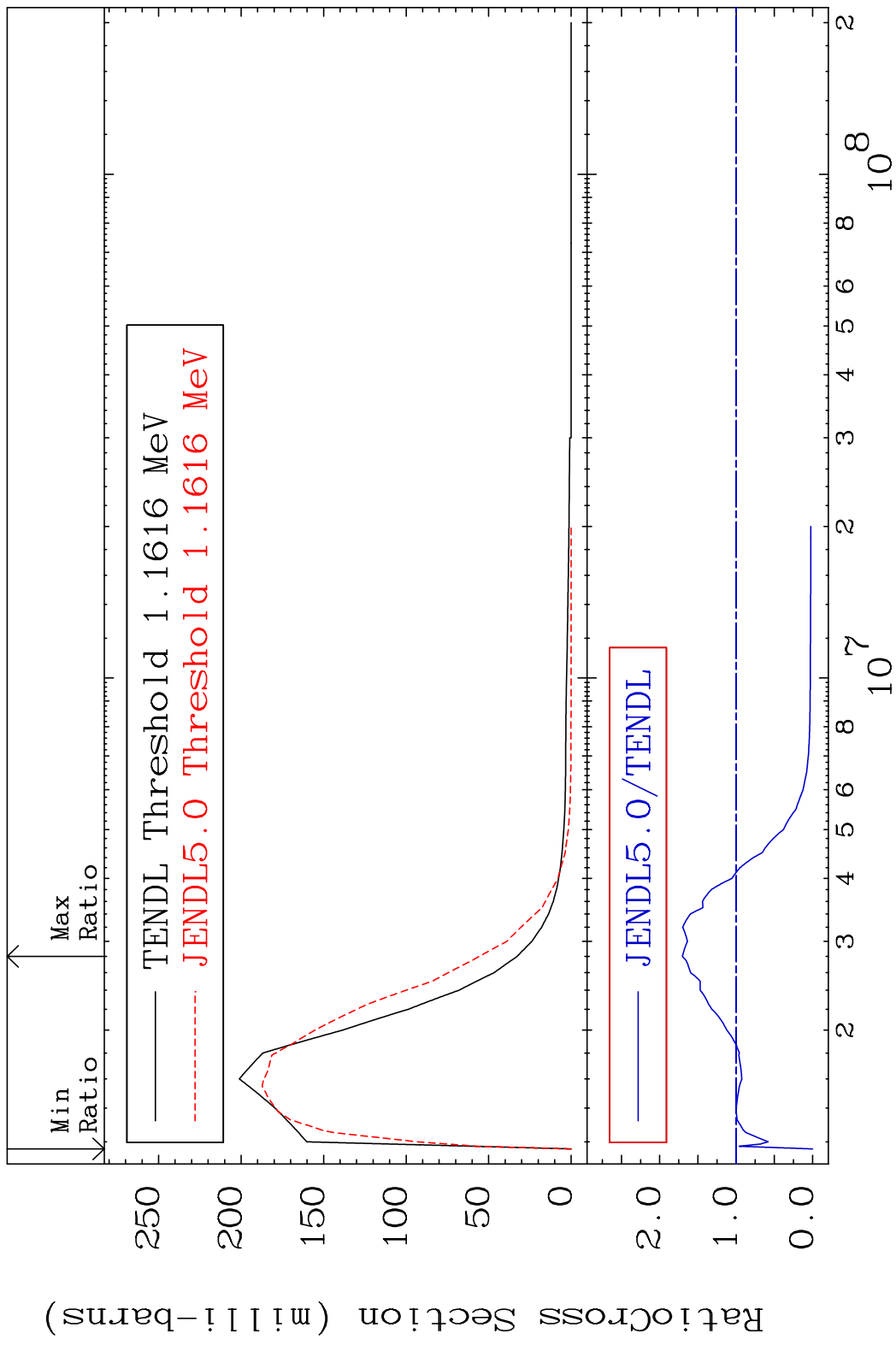


14 Incident Energy (eV) 64-Gd-156

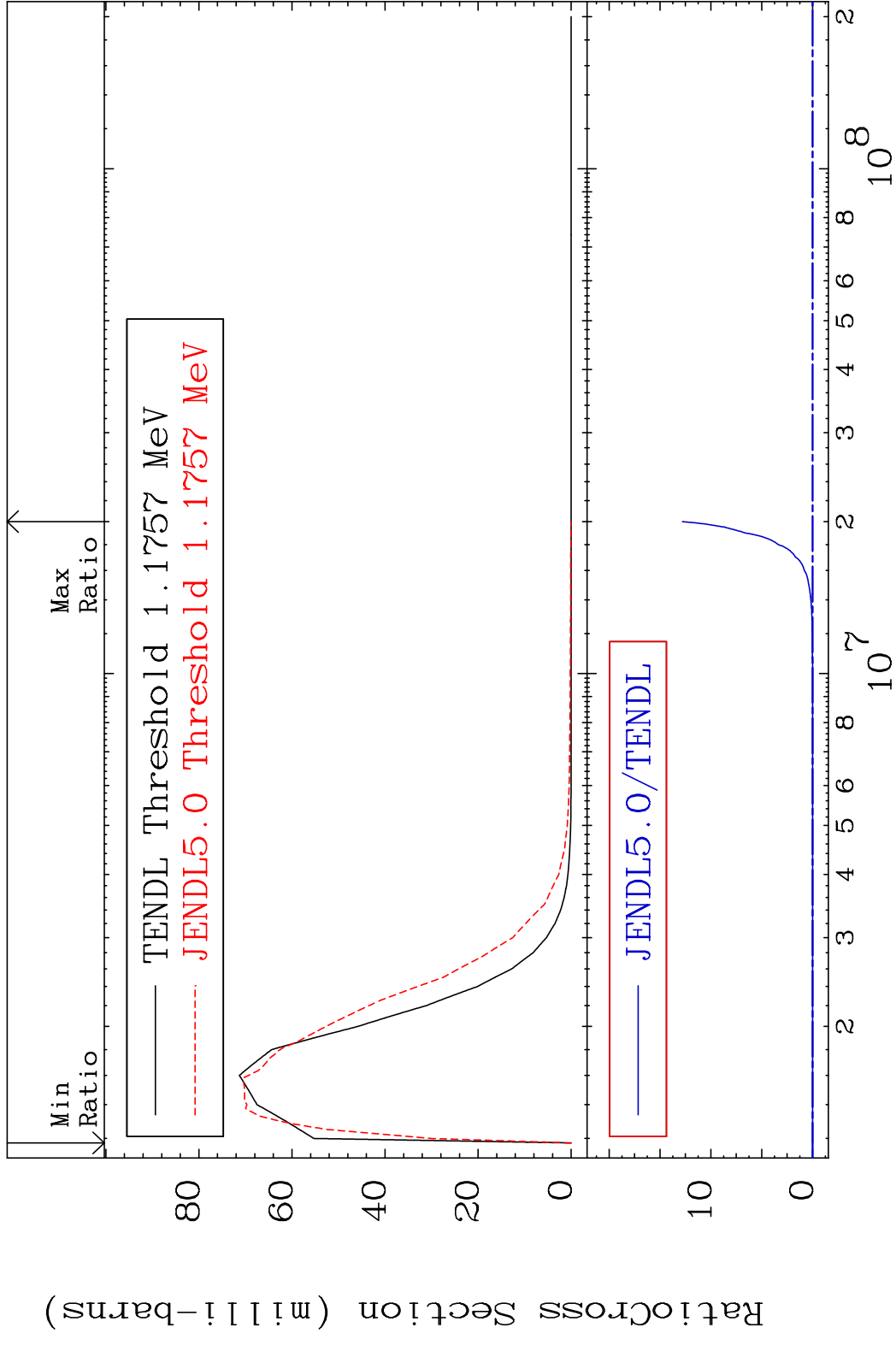
MAT 6437 MT= 56 (n,n') Level 64-Gd-156  
 Cross Section -100.0 To 72.42 %



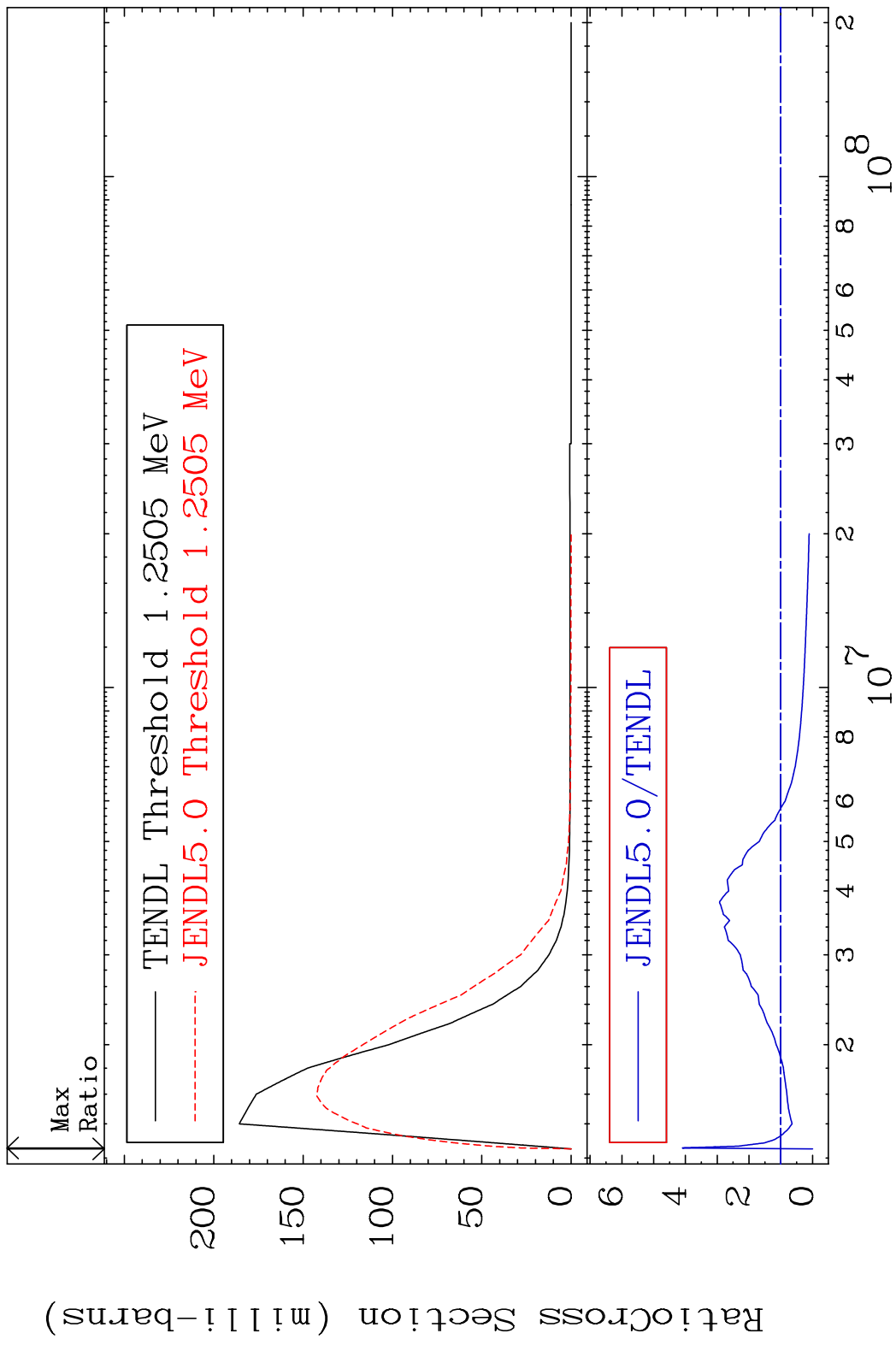
MAT 6437 MT= 57 (n,n') Level 64-Gd-156  
 Cross Section -100.0 To 70.34 %



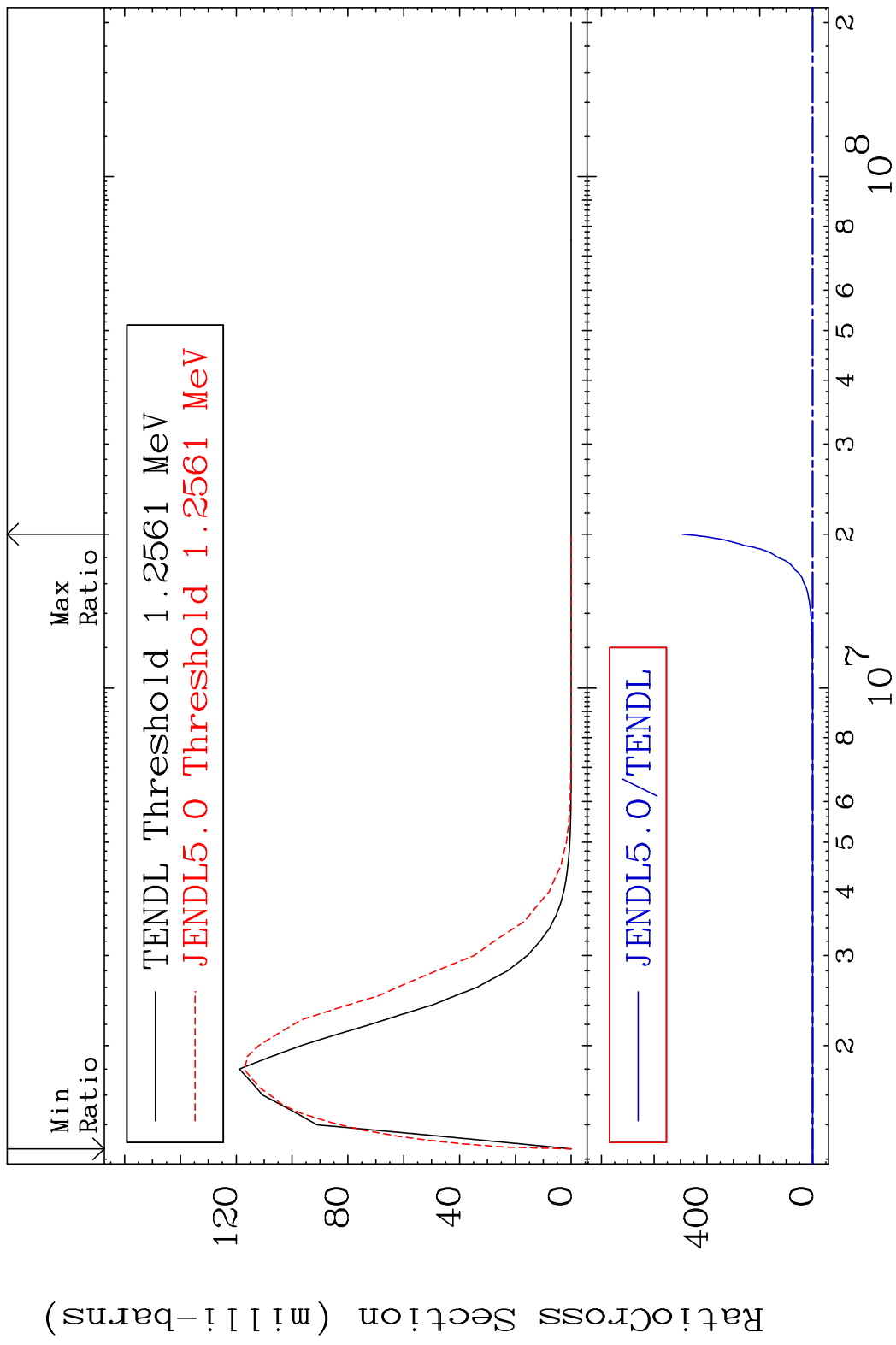
MAT 6437 MT= 58 (n, n') Level 64-Gd-156  
 Cross Section -100.0 To 9999. %



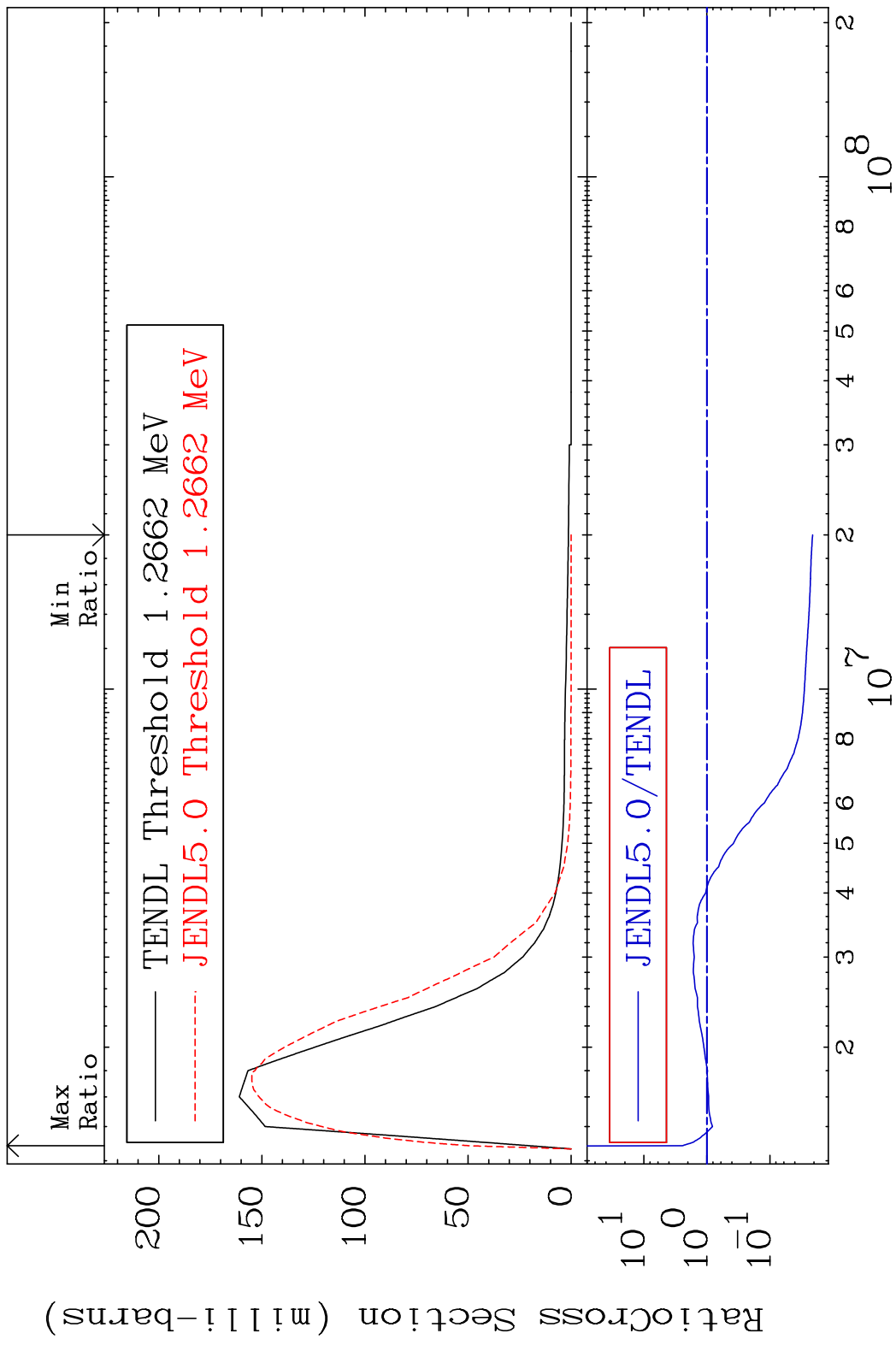
MAT 6437 MT= 59 (n,n') Level 64-Gd-156  
 Cross Section -100.0 To 309.7 %



MAT 6437 MT= 60 (n, n') Level 64-Gd-156  
 Cross Section -100.0 To 9999. %

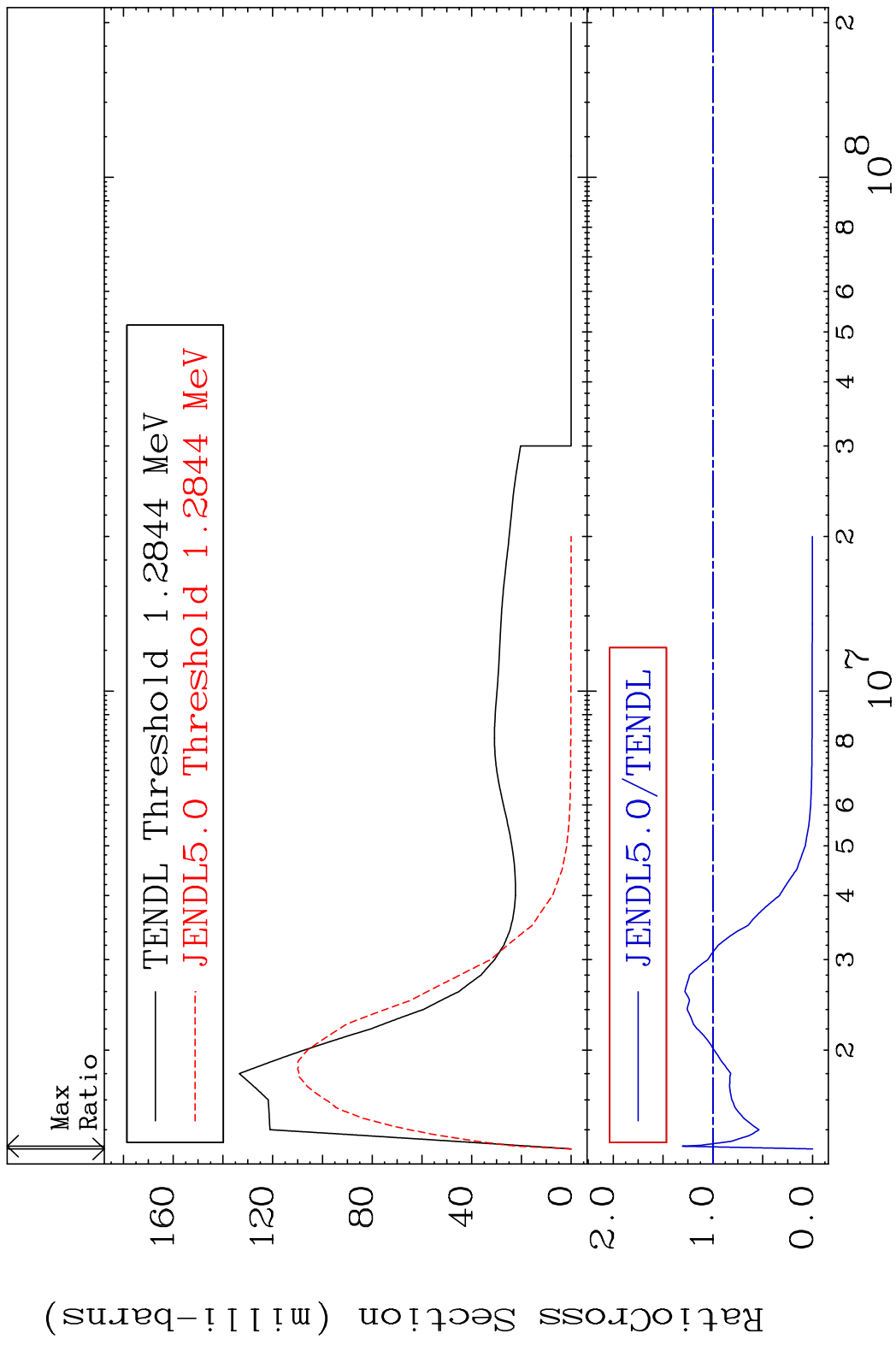


MAT 6437 MT= 61 (n, n') Level 64-Gd-156  
 Cross Section -97.90 To 145.4 %

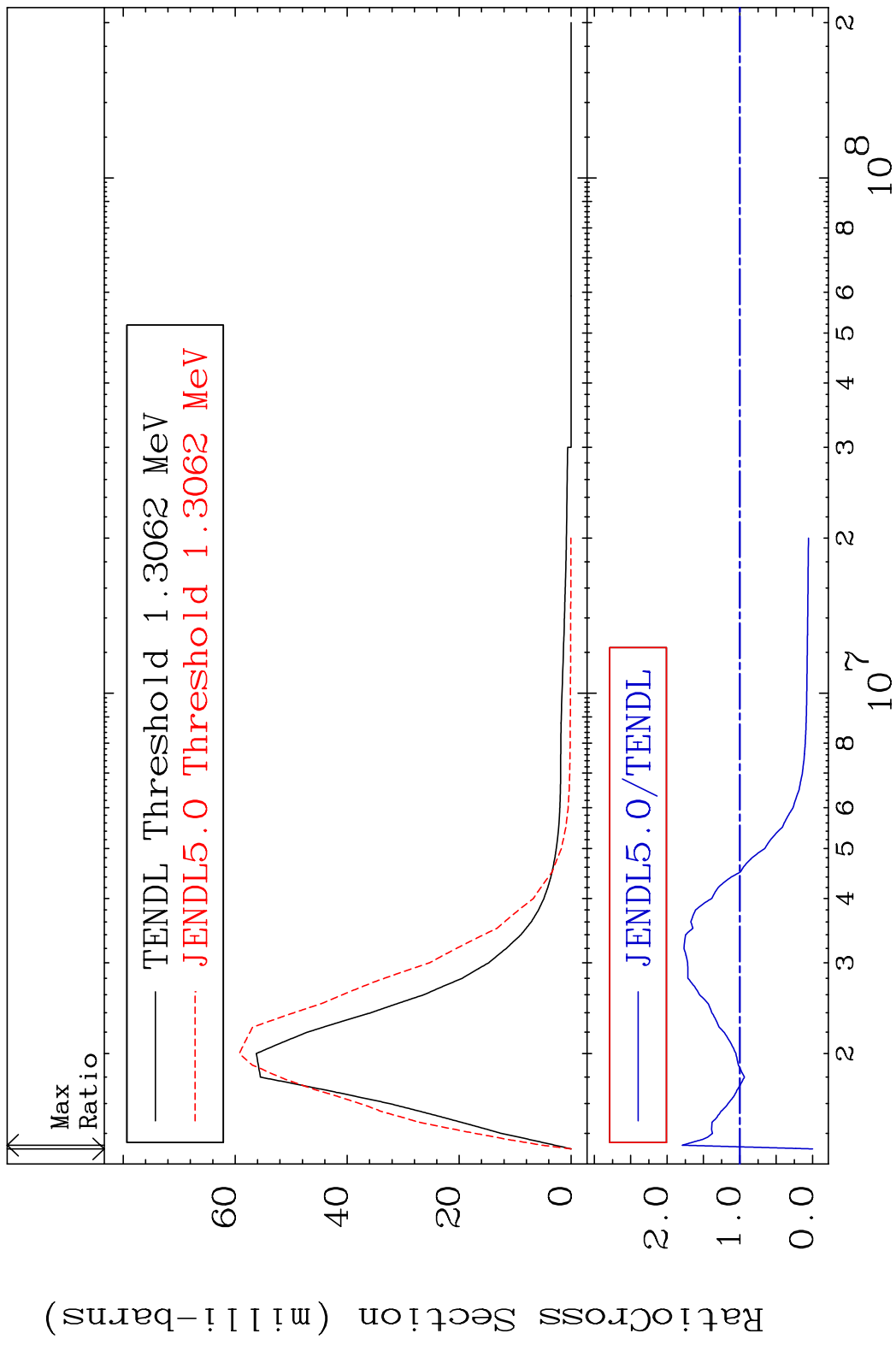


20 64-Gd-156

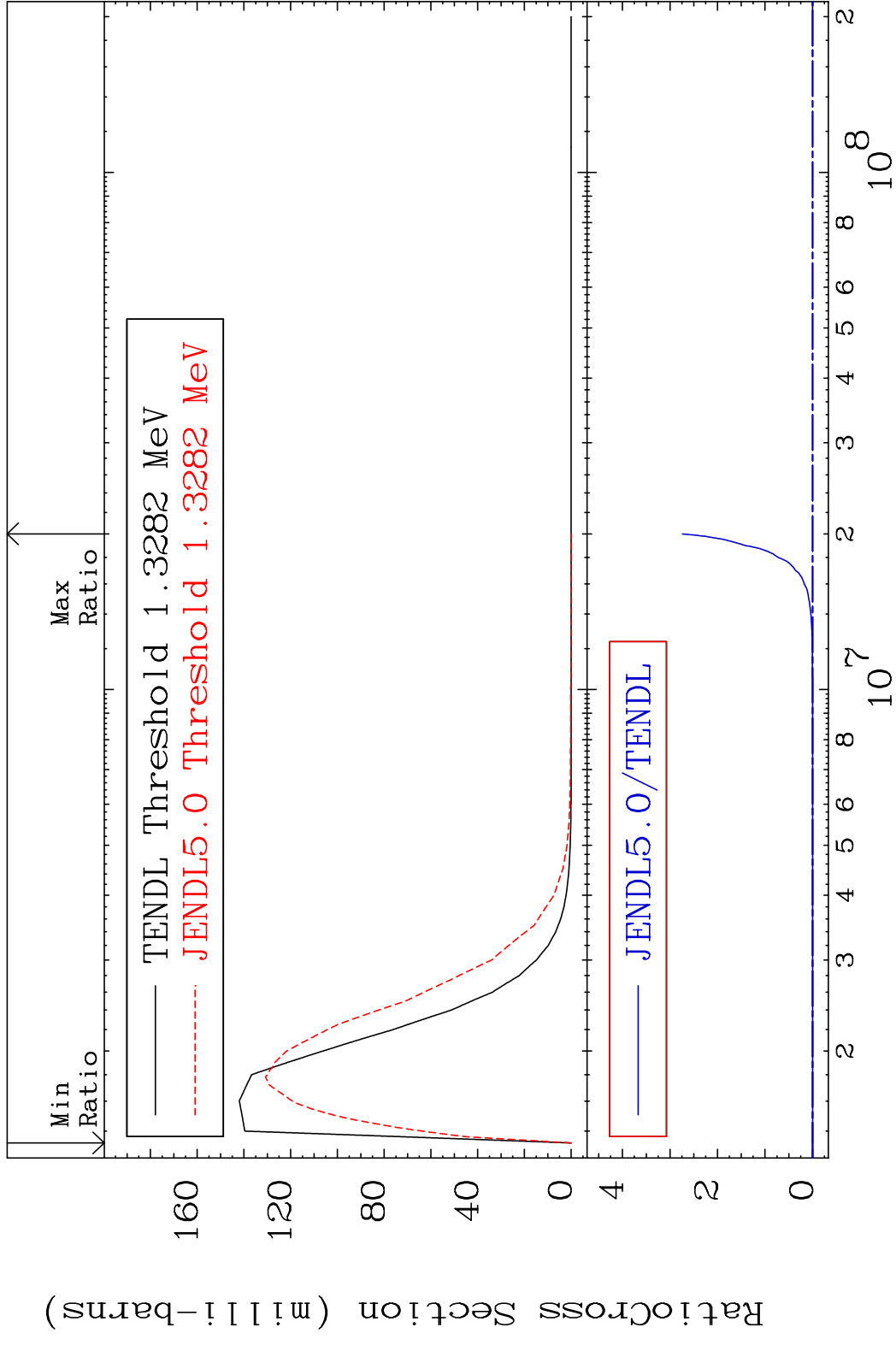
MAT 6437 MT= 62 (n,n') Level 64-Gd-156  
 Cross Section -100.0 To 30.61 %



MAT 6437 MT= 63 (n, n') Level 64-Gd-156  
 Cross Section -100.0 To 79.01 %



MAT 6437 MT= 64 (n, n') Level 64-Gd-156  
 Cross Section -100.0 To 9999. %

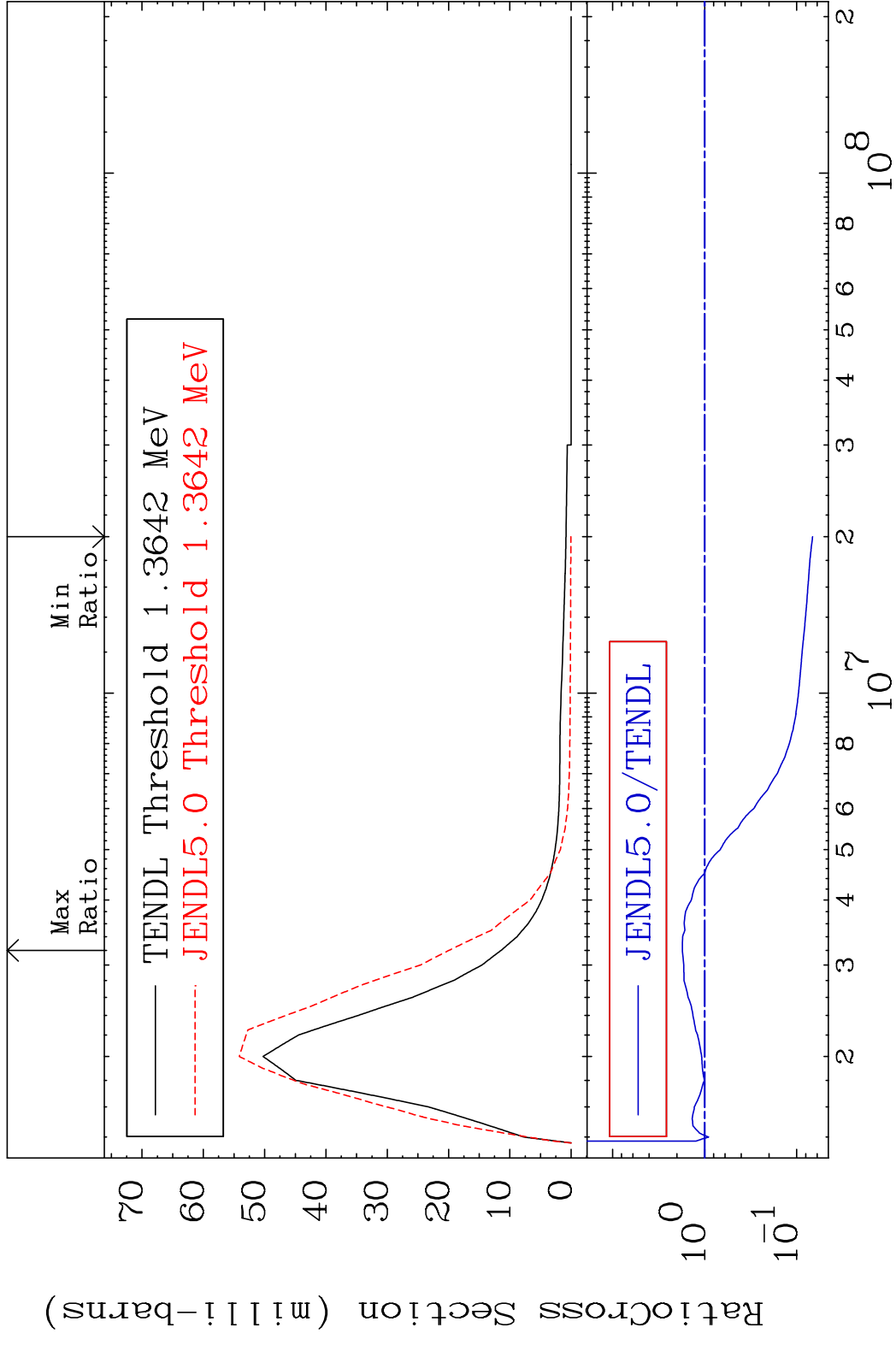


MAT 6437

MT= 65 (n, n') Level

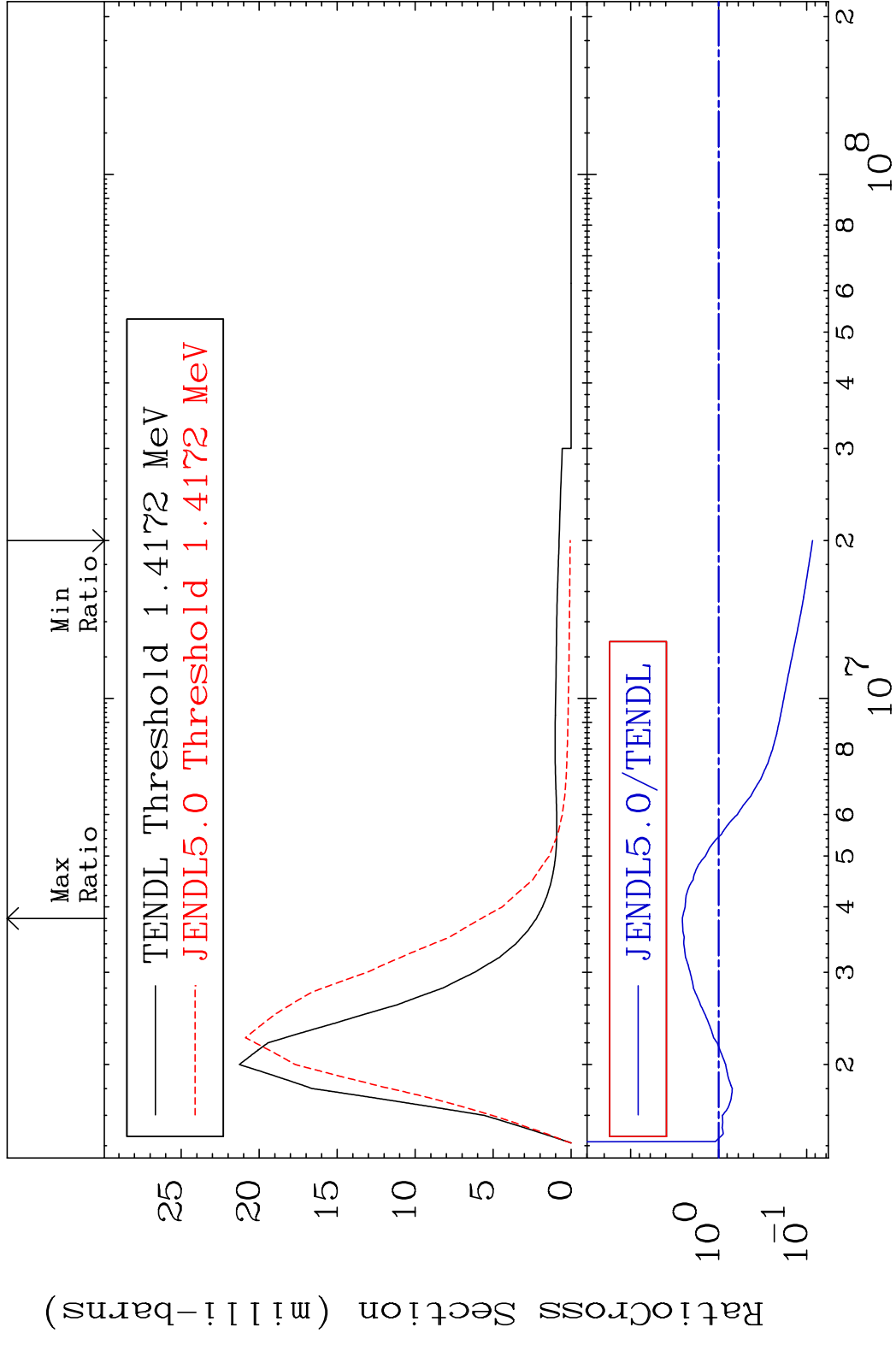
64-Gd-156

Cross Section -93.26 To 74.53 %

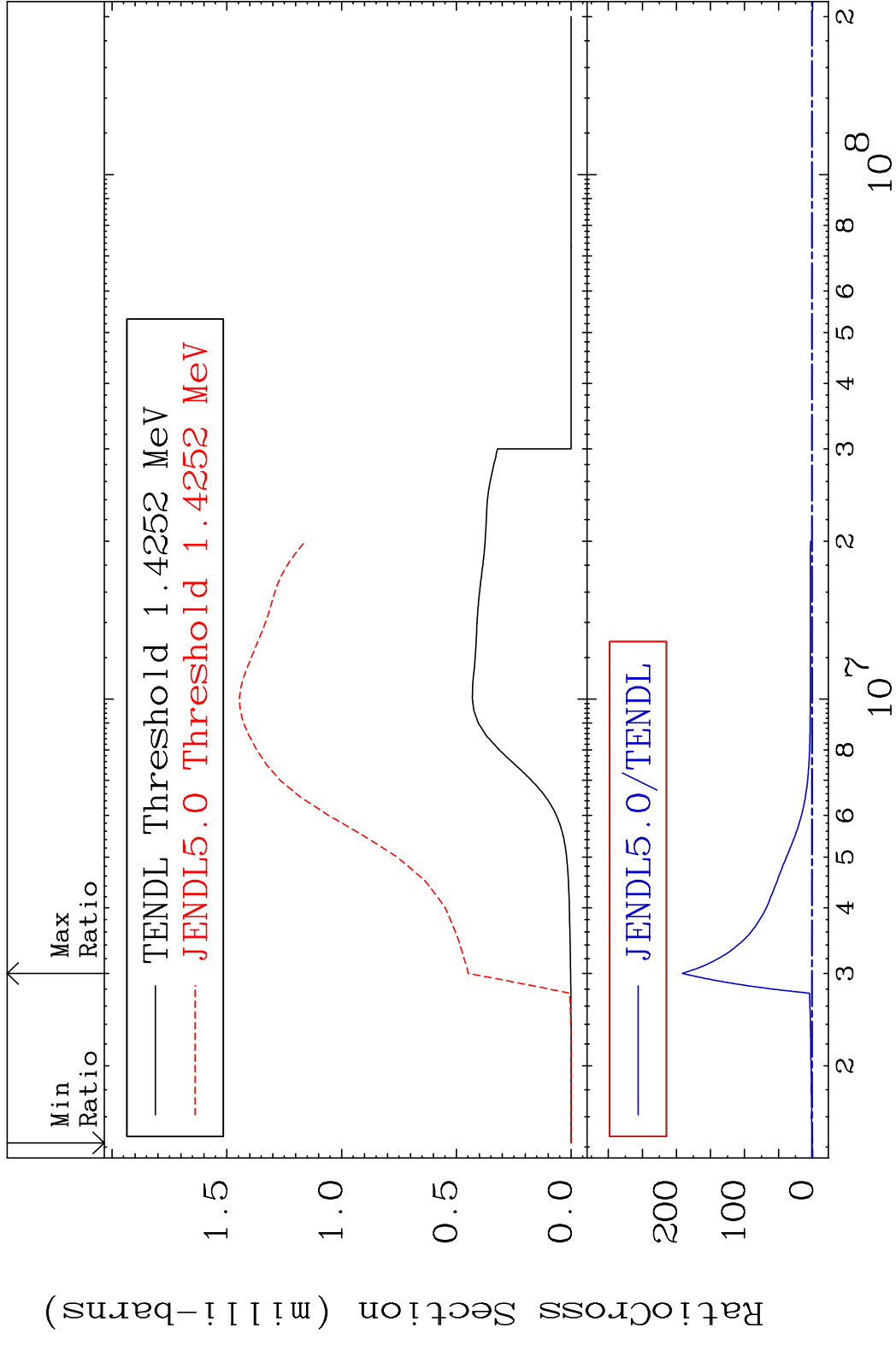




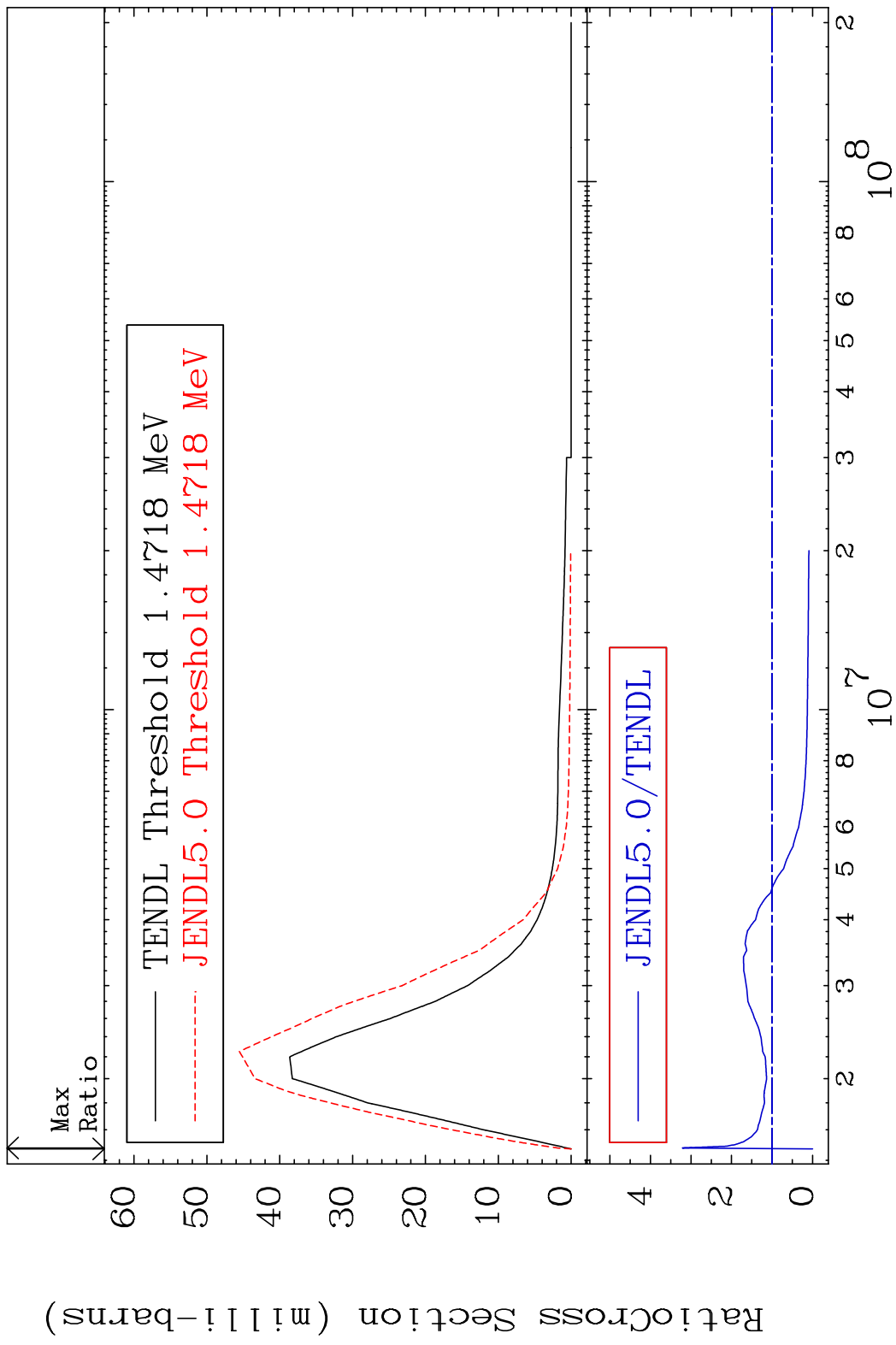
MAT 6437 MT= 67 (n,n') Level 64-Gd-156  
 Cross Section -91.44 To 158.6 %



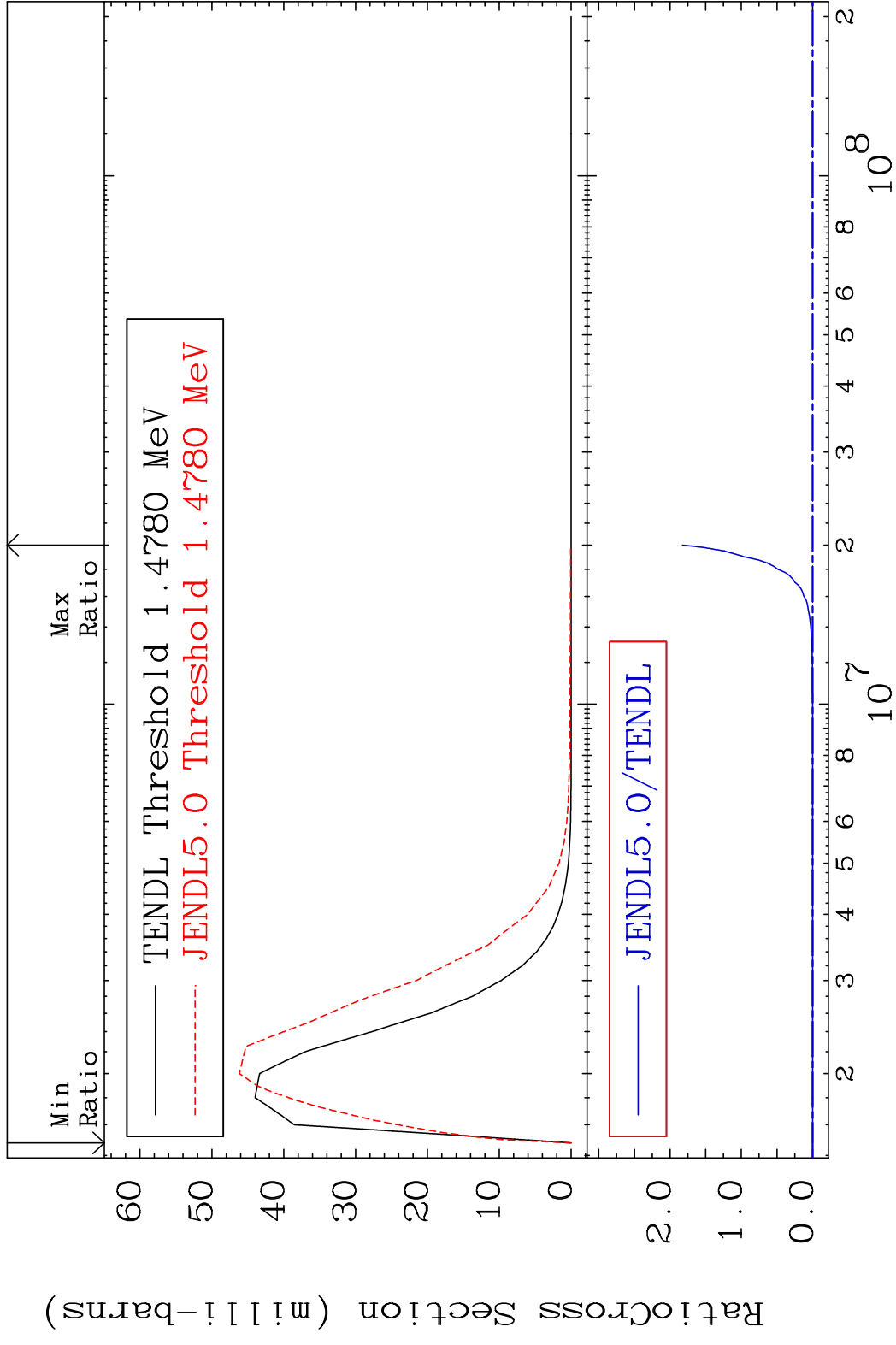
MAT 6437 MT= 68 (n,n') Level 64-Gd-156  
 Cross Section -100.0 To 9999. %



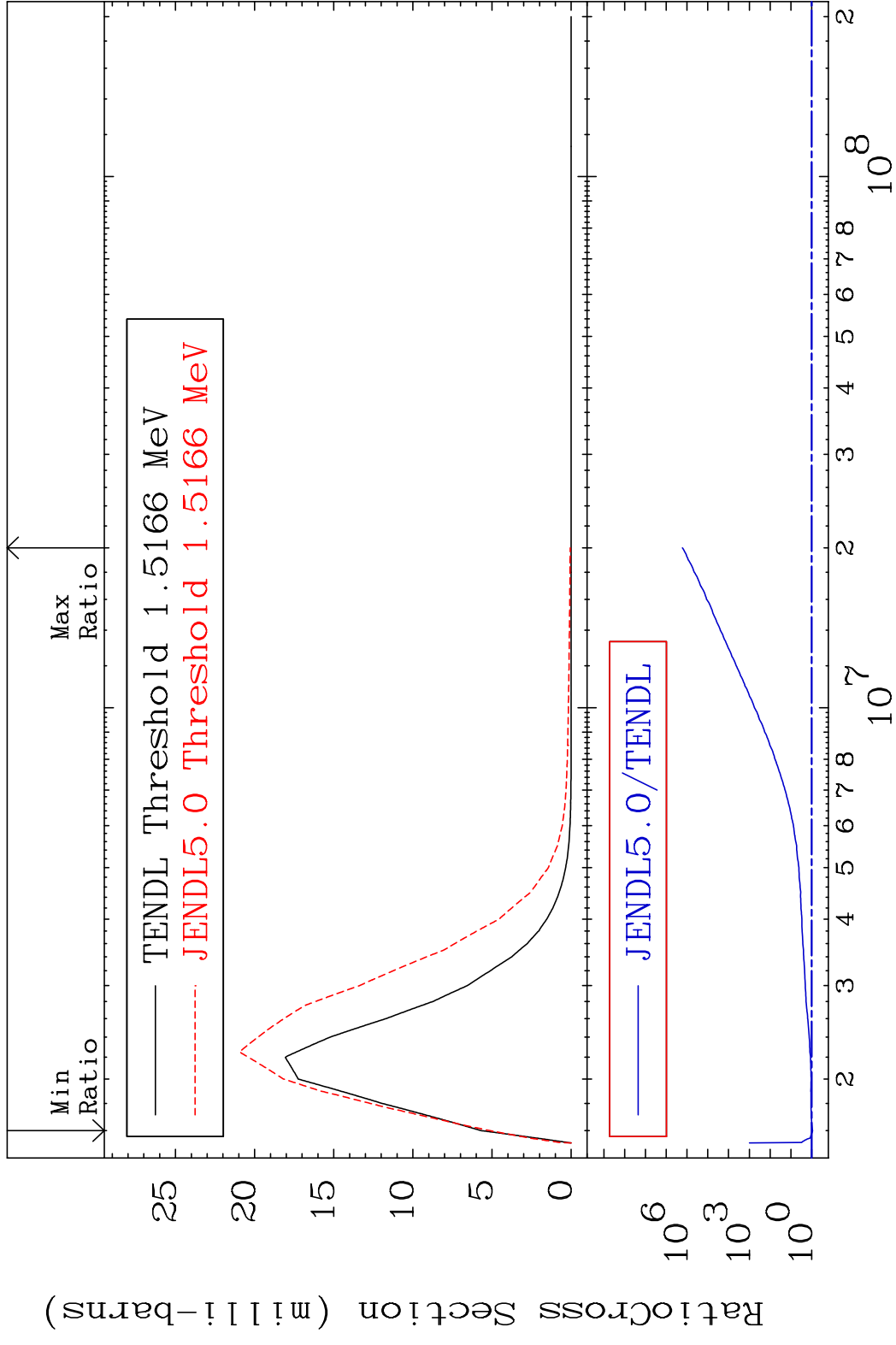
MAT 6437 MT= 69 (n, n') Level 64-Gd-156  
 Cross Section -100.0 To 221.3 %



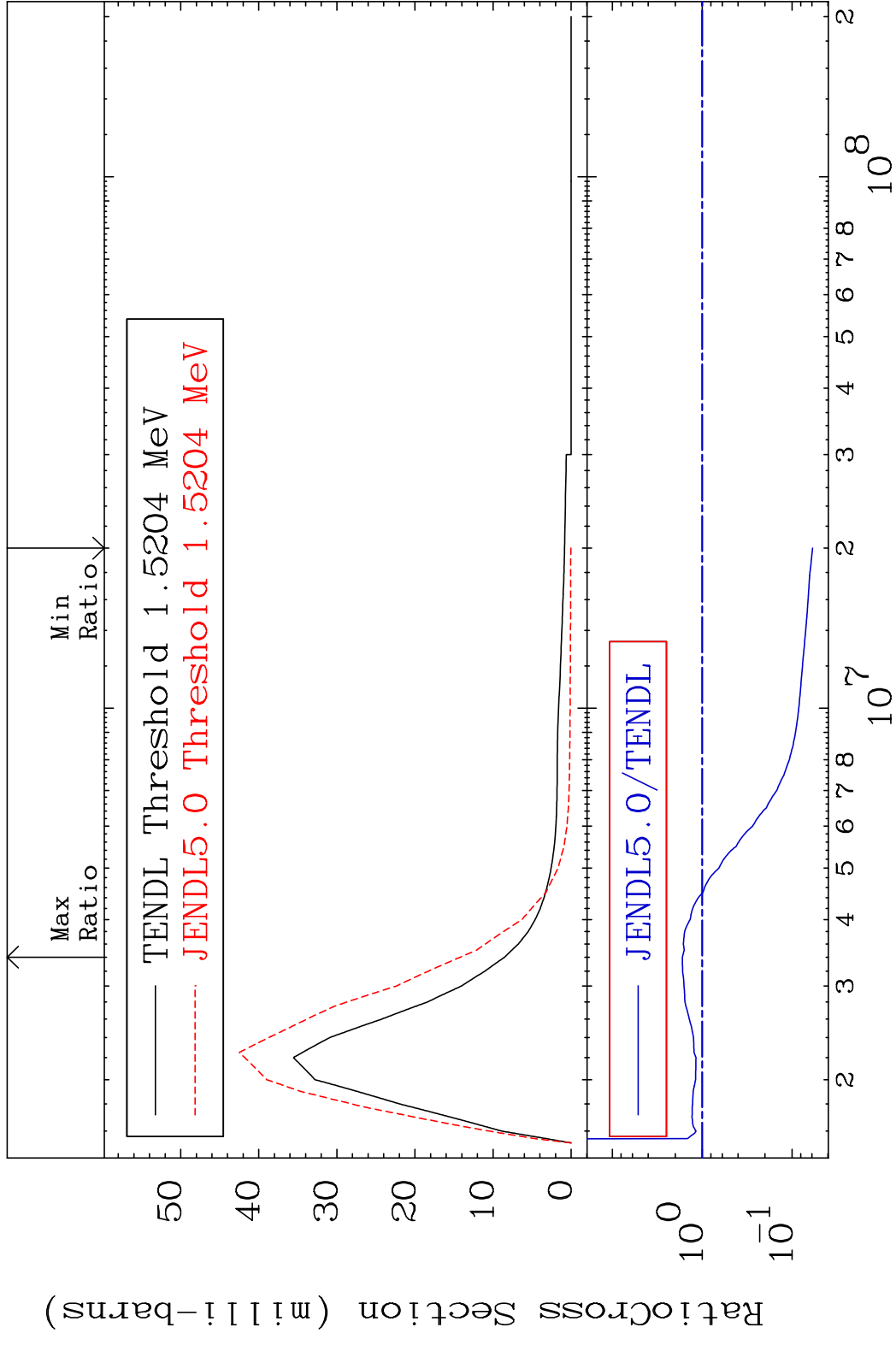
MAT 6437 MT= 70 (n, n') Level 64-Gd-156  
 Cross Section -100.0 To 9999. %



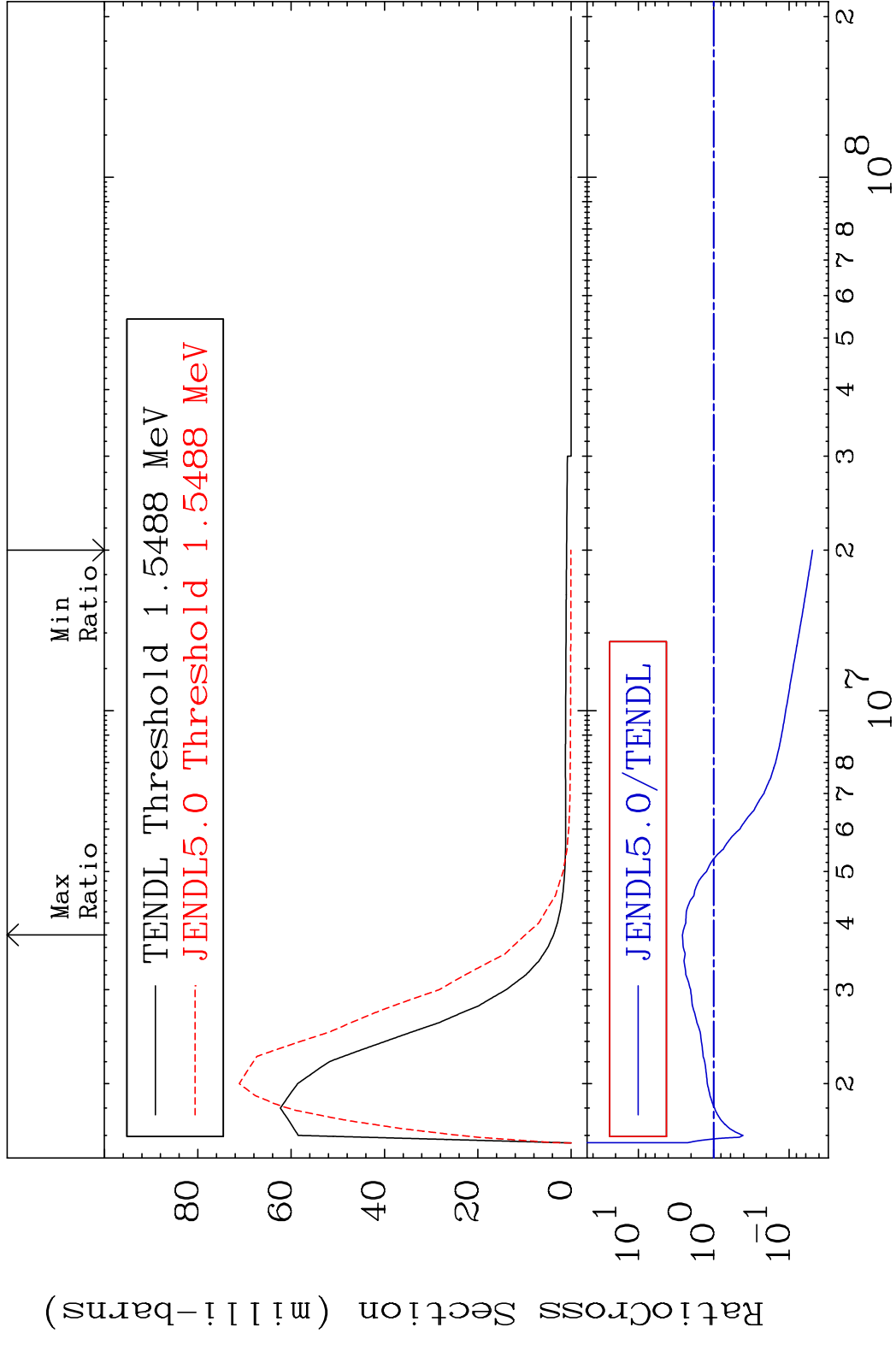
MAT 6437 MT= 71 (n, n') Level 64-Gd-156  
 Cross Section -9.726 To 9999. %



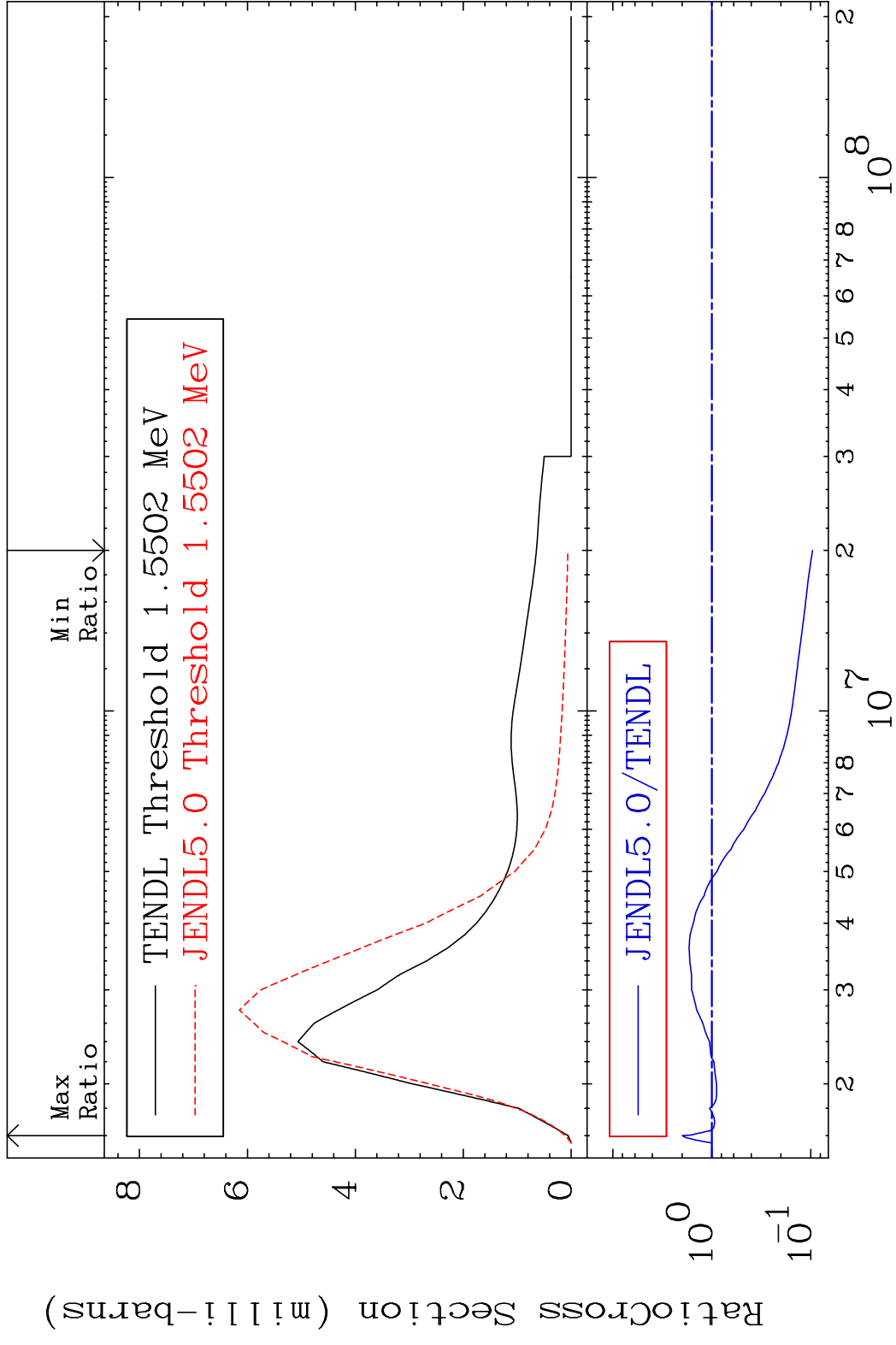
MAT 6437 MT= 72 (n,n') Level 64-Gd-156  
 Cross Section -94.08 To 66.62 %



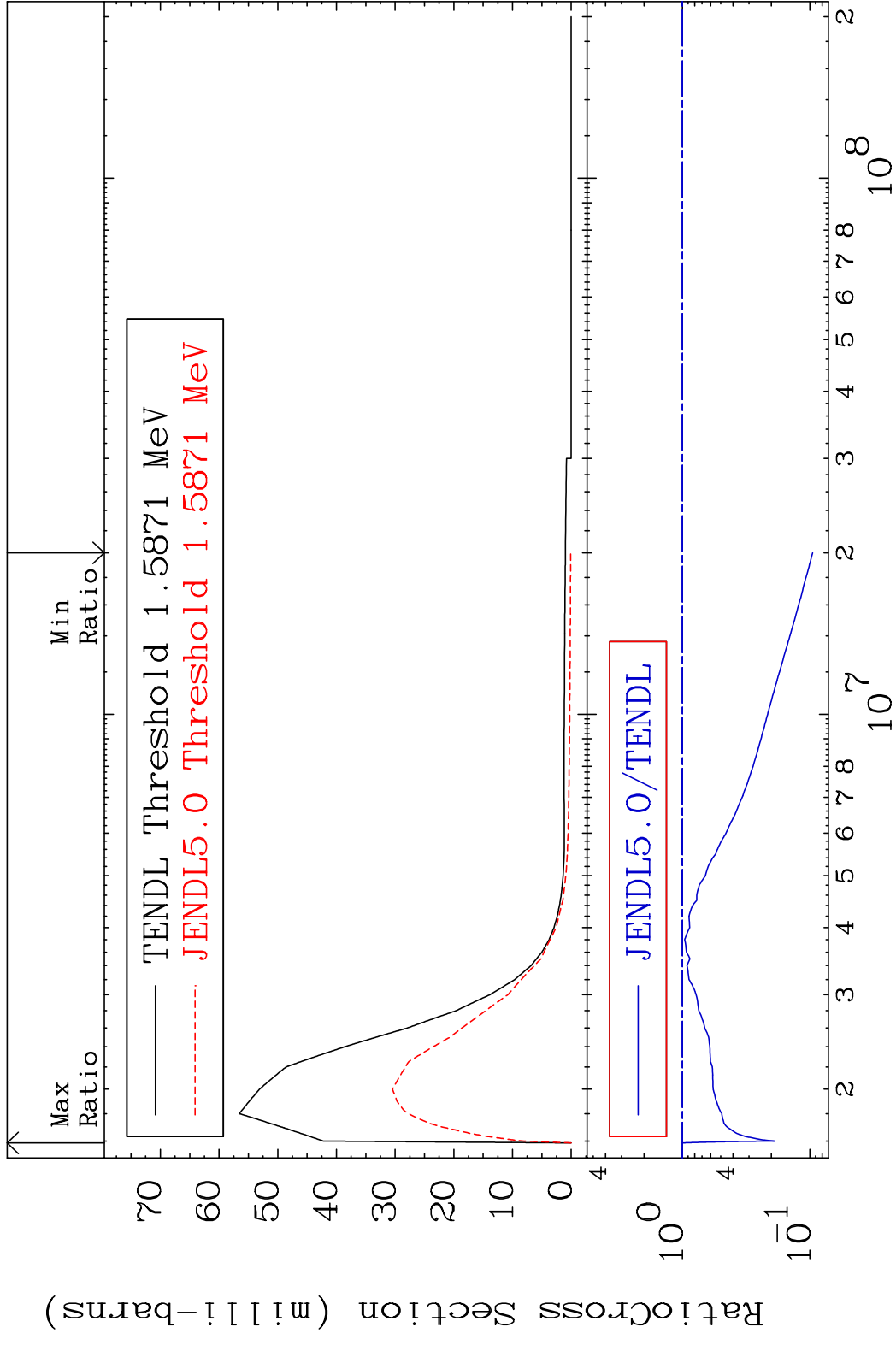
MAT 6437 MT= 73 (n, n') Level 64-Gd-156  
 Cross Section -95.12 To 160.5 %



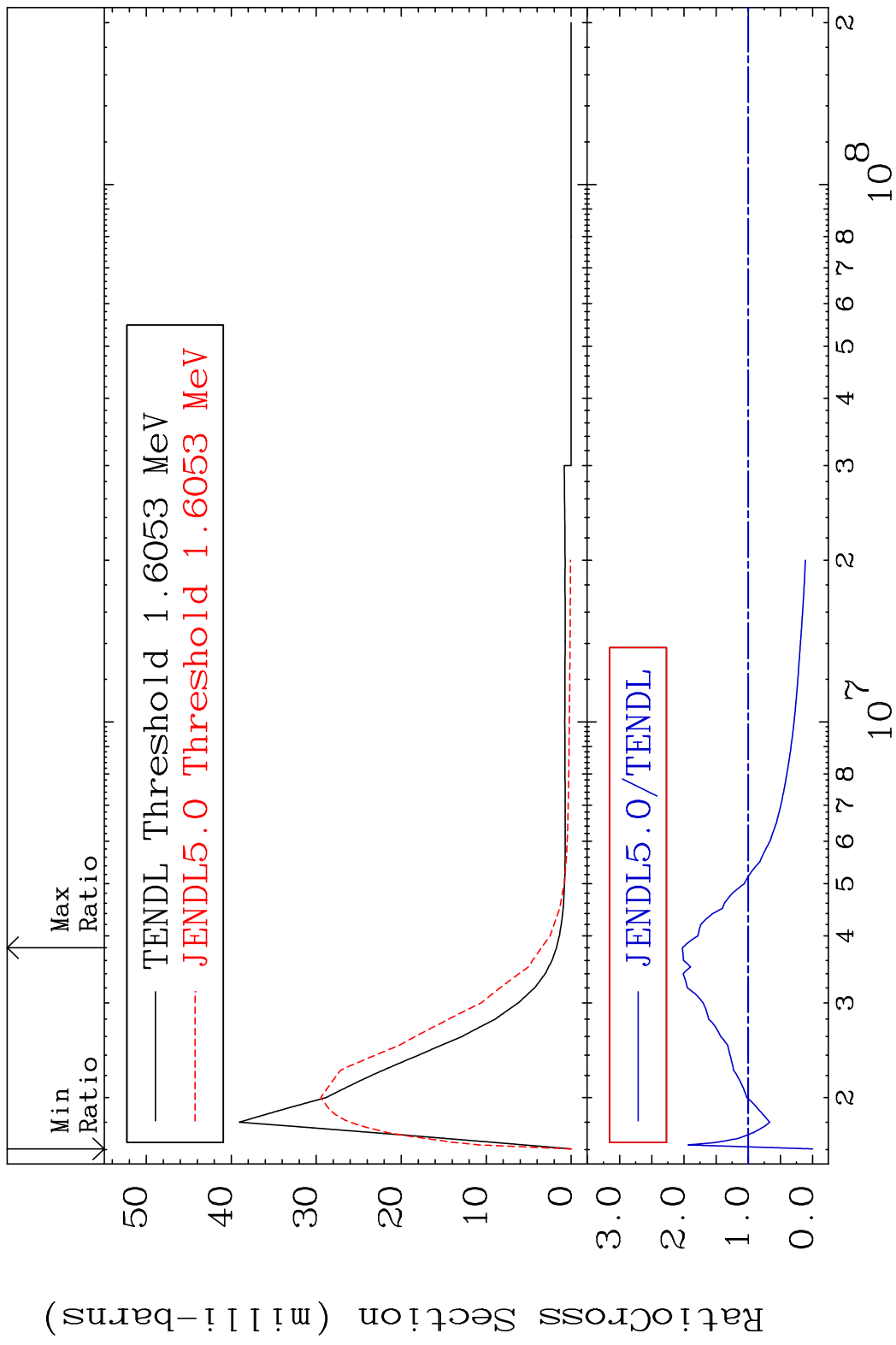
MAT 6437 MT= 74 (n,n') Level 64-Gd-156  
 Cross Section -90.42 To 98.58 %



MAT 6437 MT= 75 (n,n') Level 64-Gd-156  
 Cross Section -90.49 To 0.000 %



MAT 6437 MT= 76 (n,n') Level 64-Gd-156  
 Cross Section -100.0 To 102.4 %

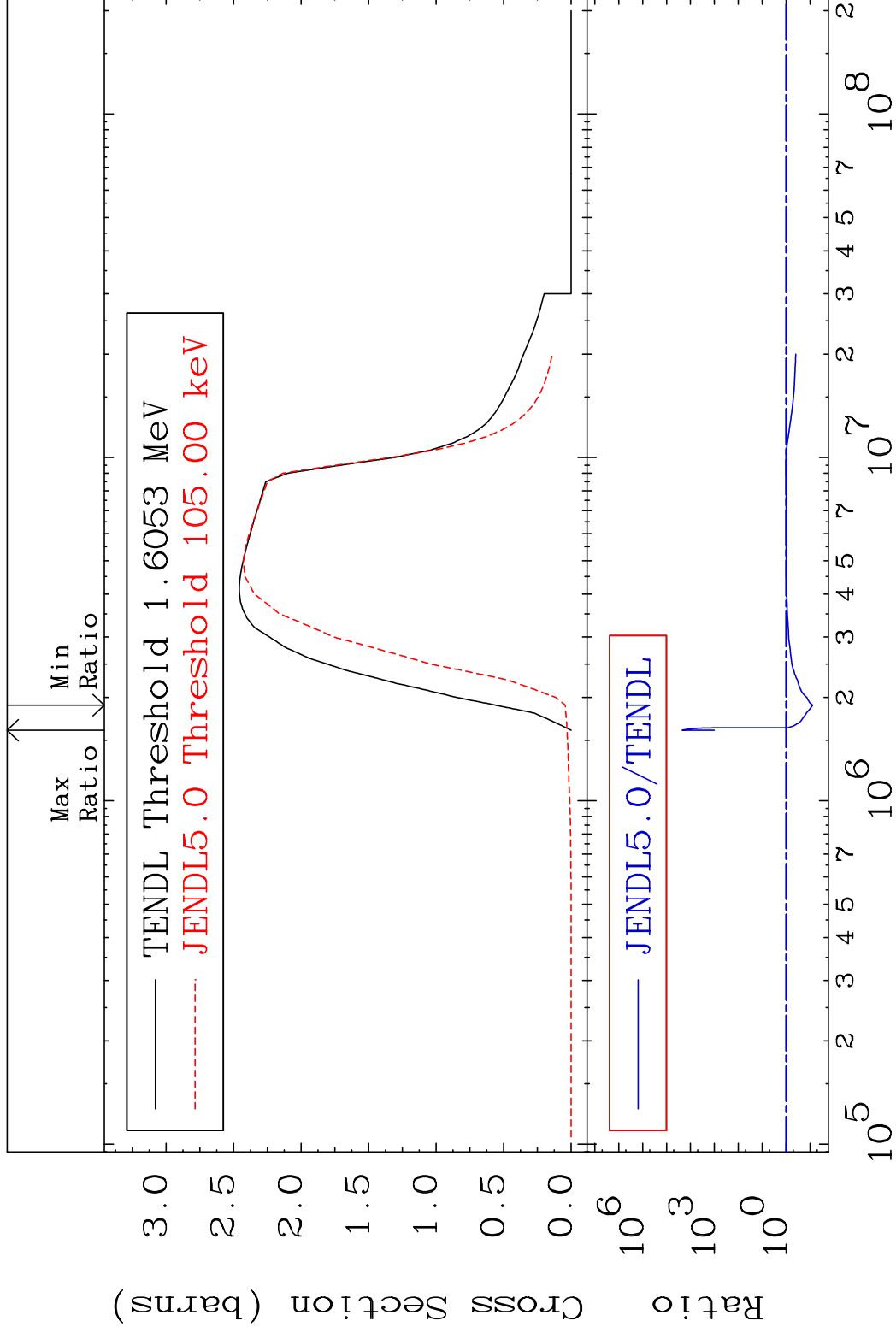


MAT 6437

(n, n') Continuum

64-Gd-156

Cross Section -92.16 To 9999. %



36

Incident Energy (eV)

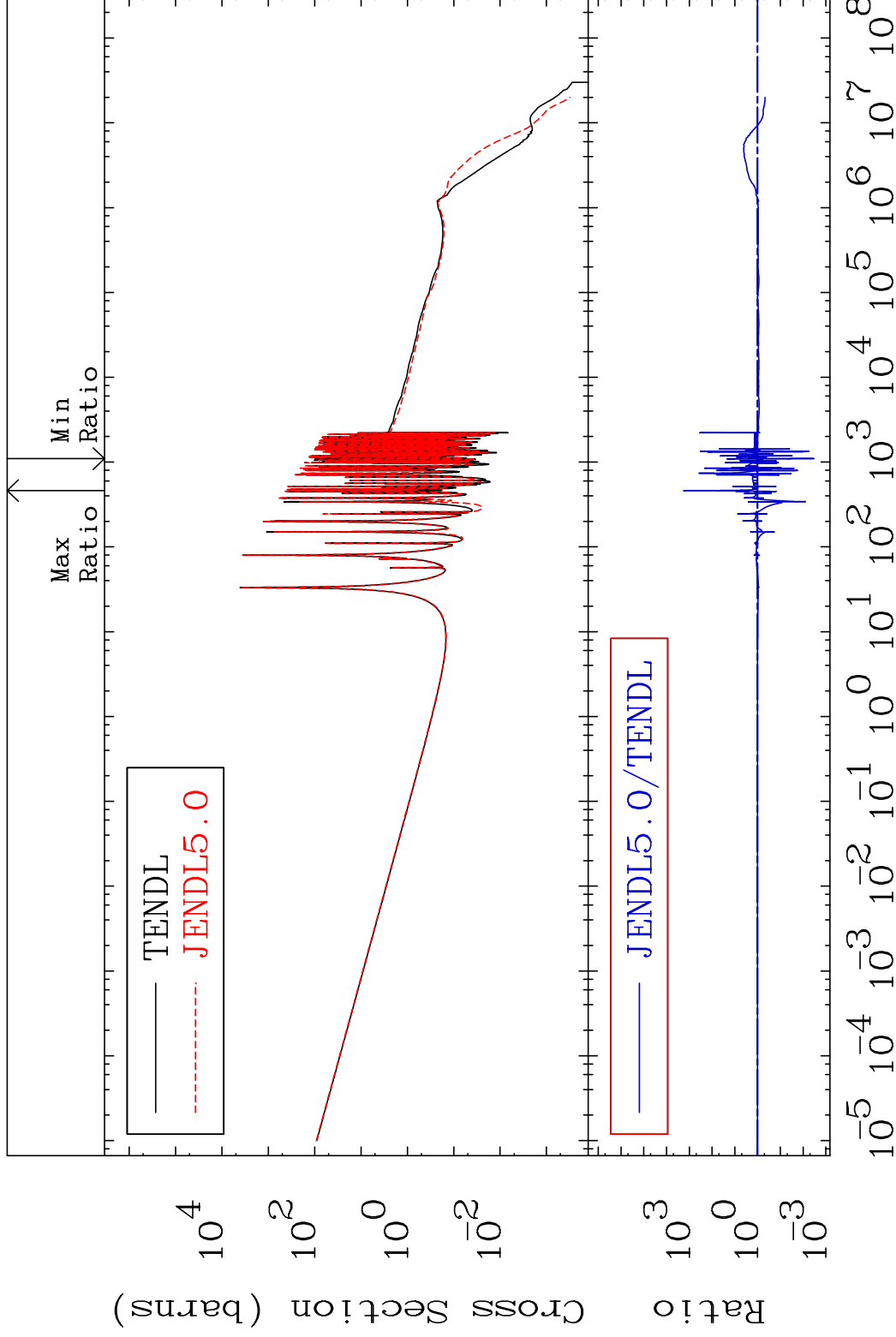
64-Gd-156

MAT 6437

(n,  $\gamma$ )

64-Gd-156

Cross Section -99.67 To 9999. %



37

Incident Energy (eV)

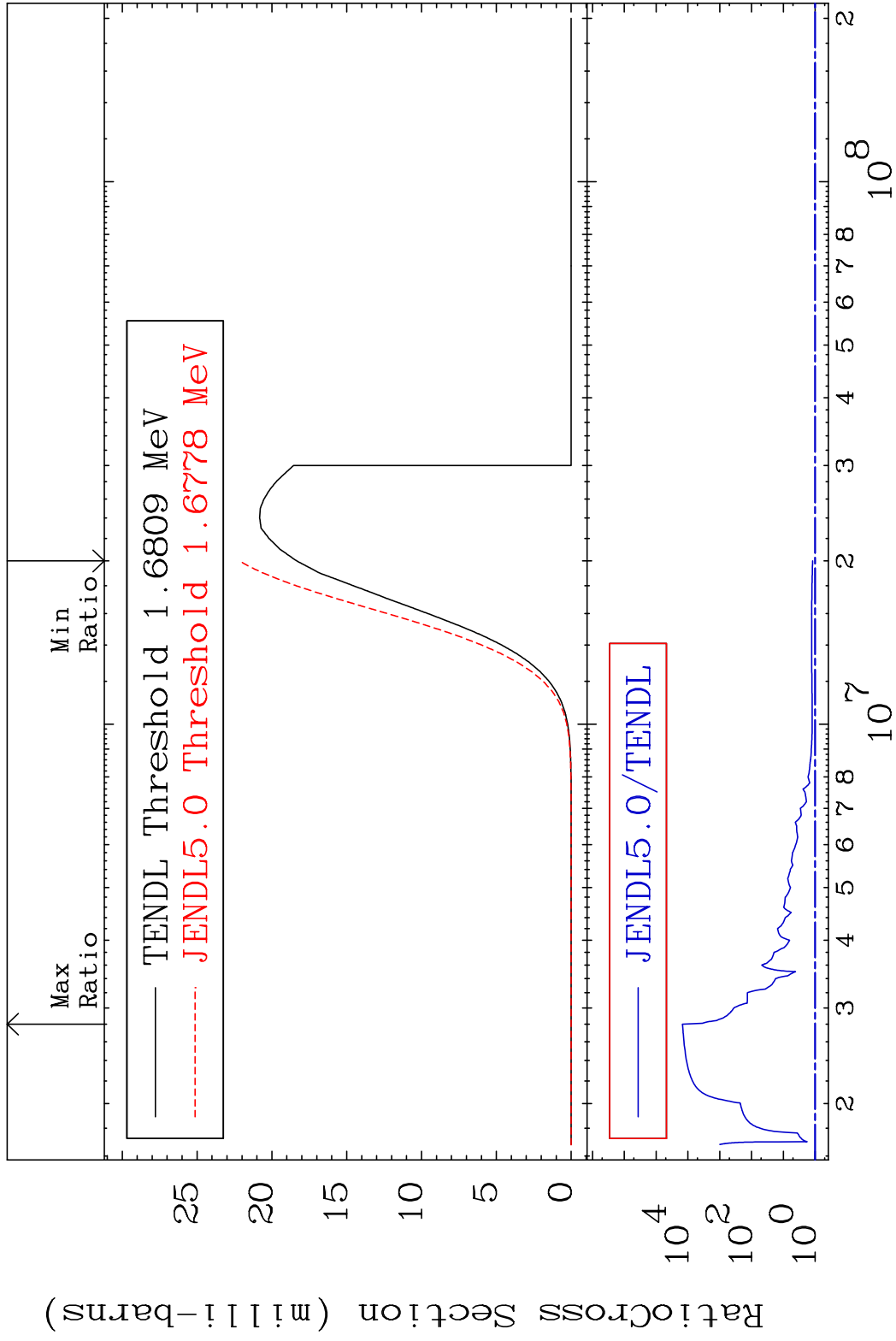
64-Gd-156

MAT 6437

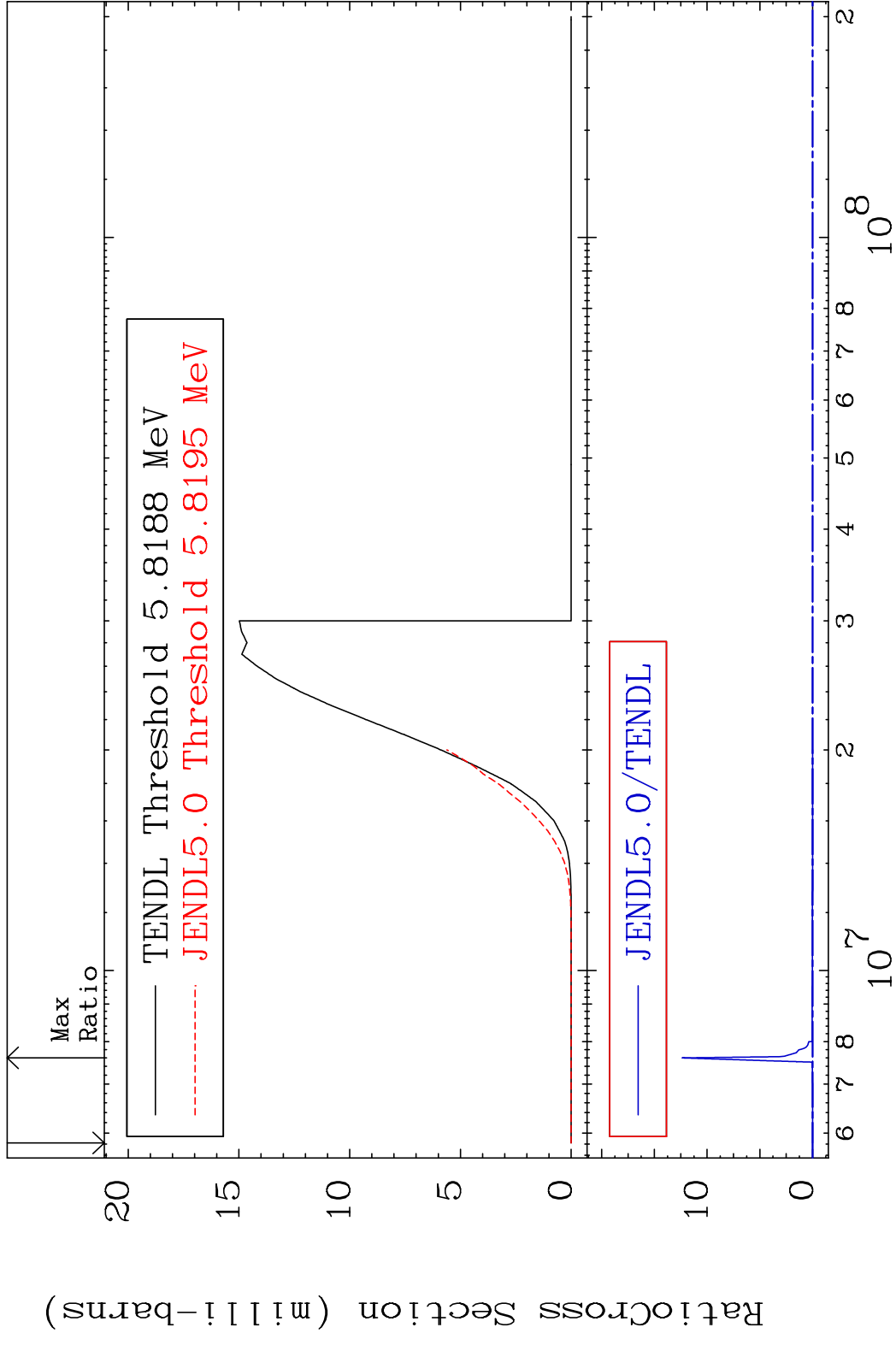
(n,p)

64-Gd-156

Cross Section 20.90 To 9999. %



MAT 6437 (n,d) 64-Gd-156  
 Cross Section -100.0 To 9999. %



39 Incident Energy (eV) 64-Gd-156

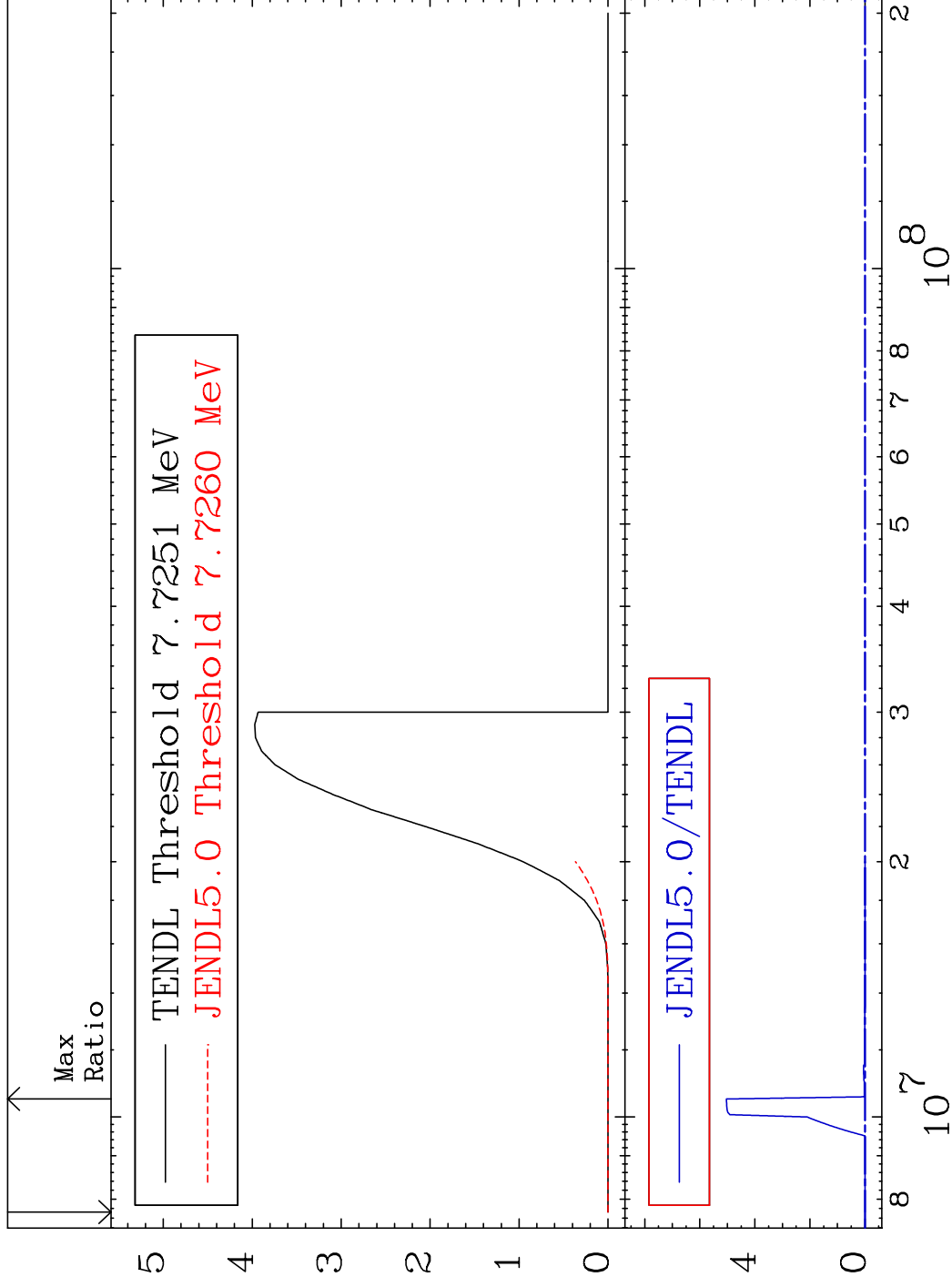
MAT 6437

(n, t)

64-Gd-156

Cross Section -100.0 To 9999. %

RatioCross Section (milli-barns)



40

Incident Energy (eV)

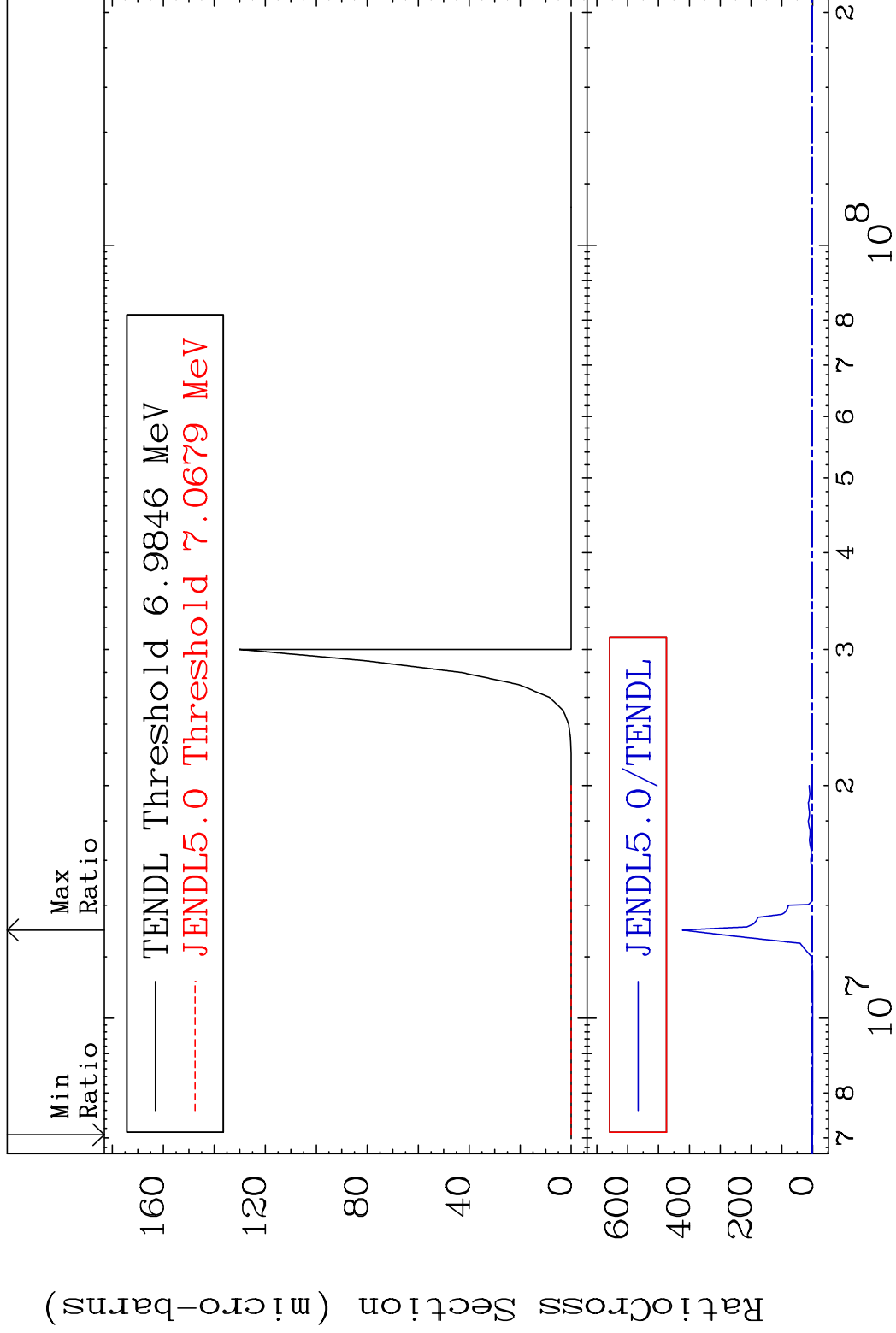
64-Gd-156

MAT 6437

(n, He-3)

64-Gd-156

Cross Section -100.0 To 9999. %



41

Incident Energy (eV)

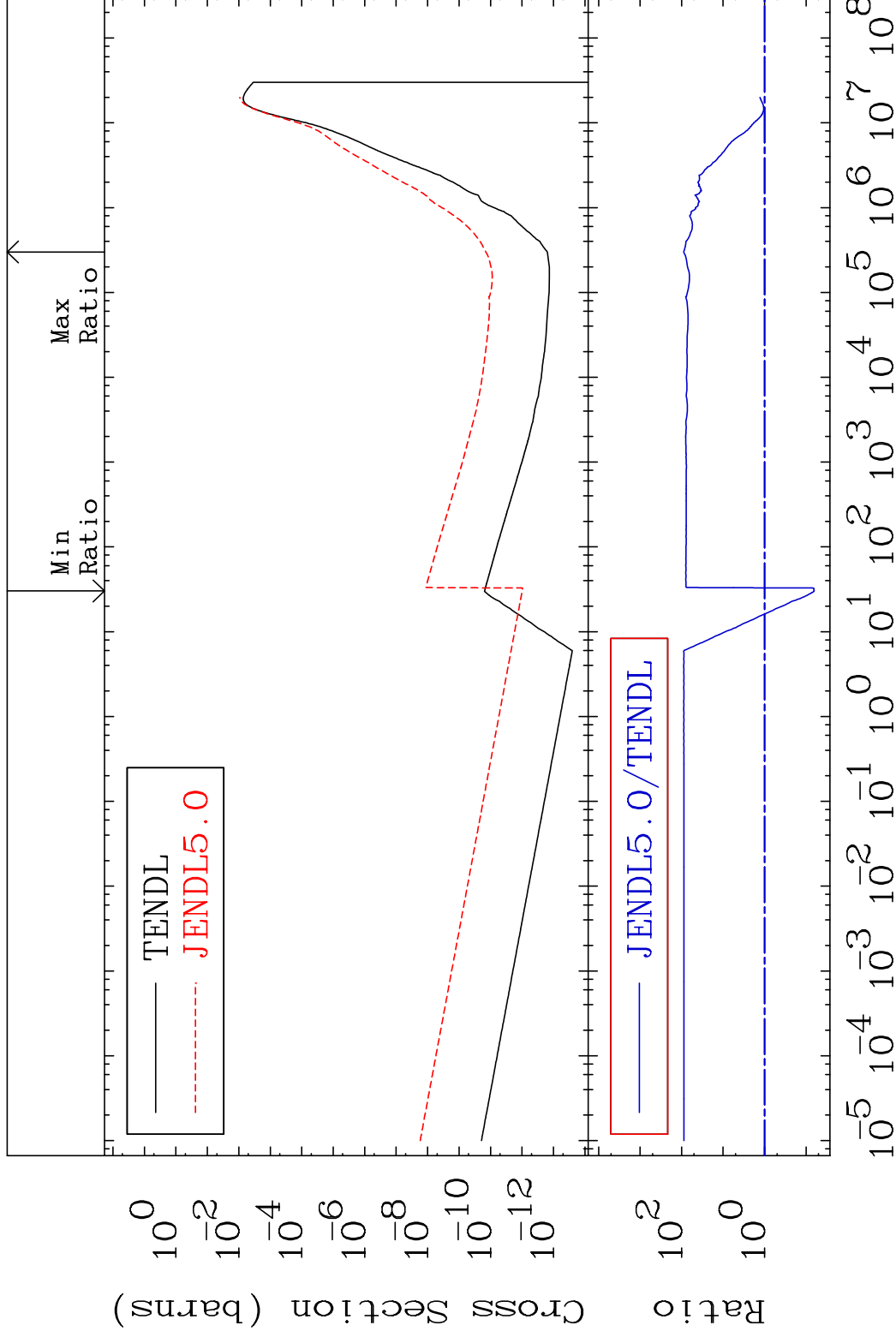
64-Gd-156

MAT 6437

(n,  $\alpha$ )

64-Gd-156

Cross Section -93.61 To 8816. %



42

Incident Energy (eV)

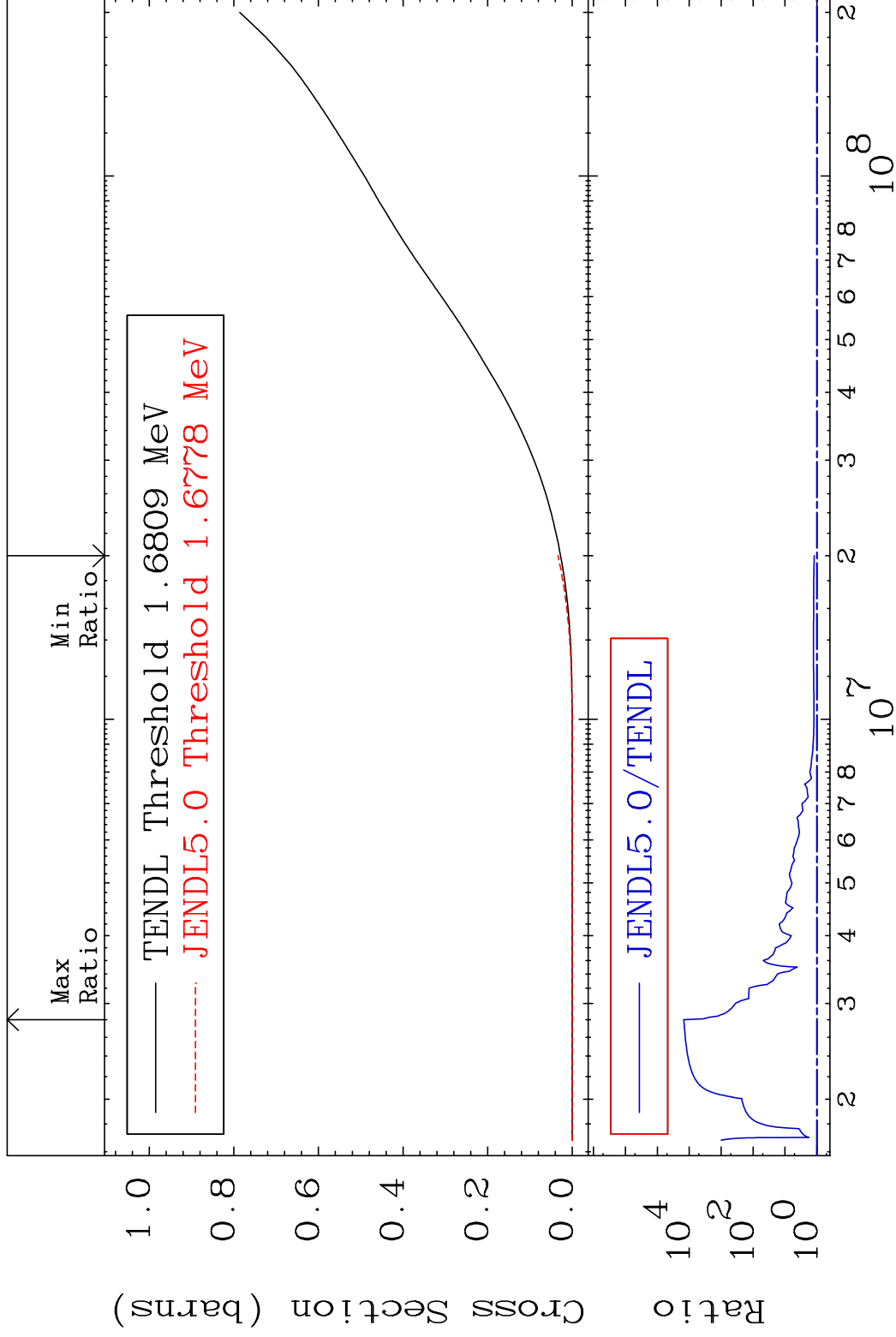
64-Gd-156

MAT 6437

Hydrogen Production

64-Gd-156

Cross Section 22.57 To 9999. %



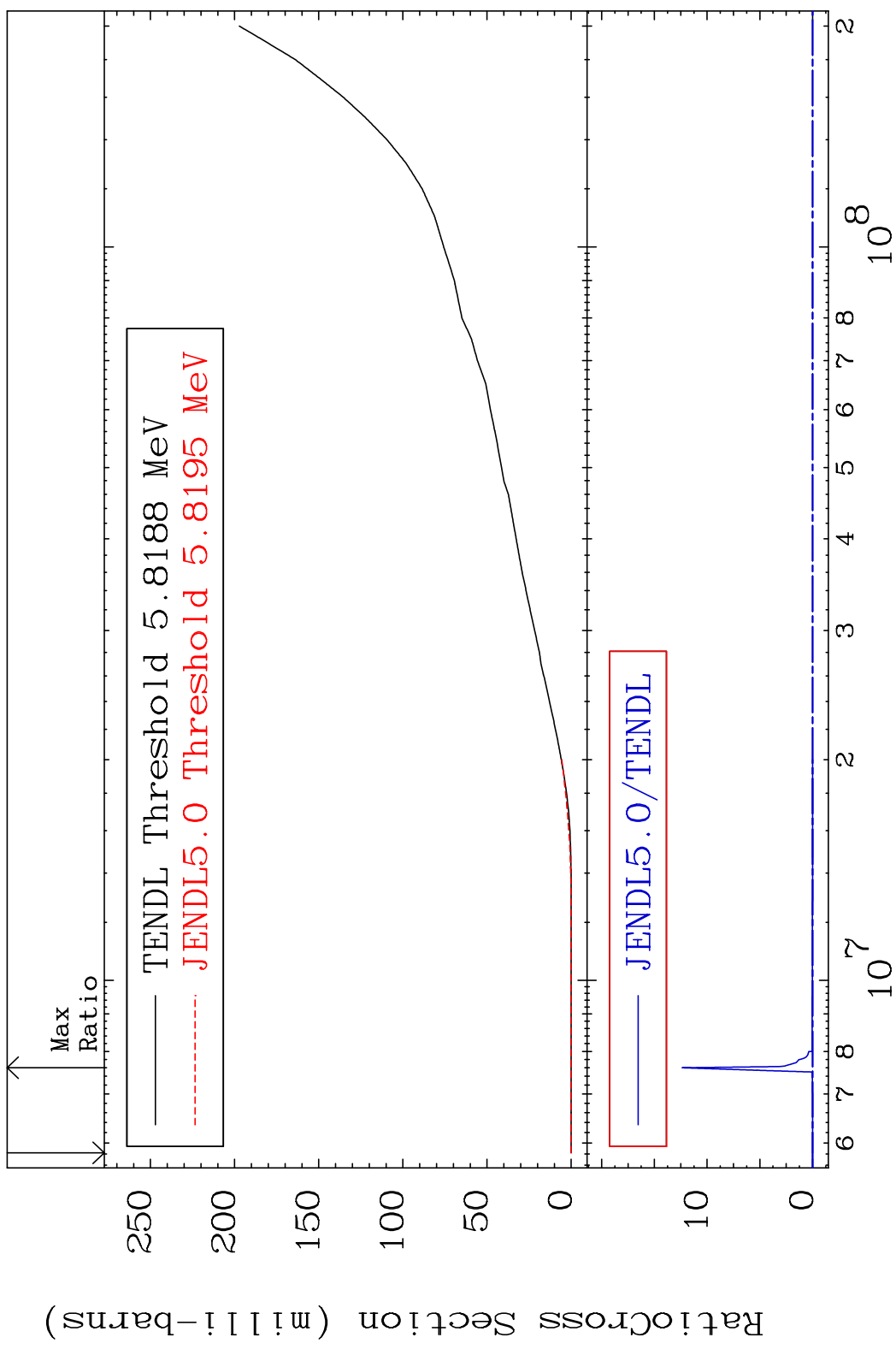
43

Incident Energy (eV)

64-Gd-156

MAT 6437

Deuterium Production 64-Gd-156  
Cross Section -100.0 To 9999. %



44

Incident Energy (eV)

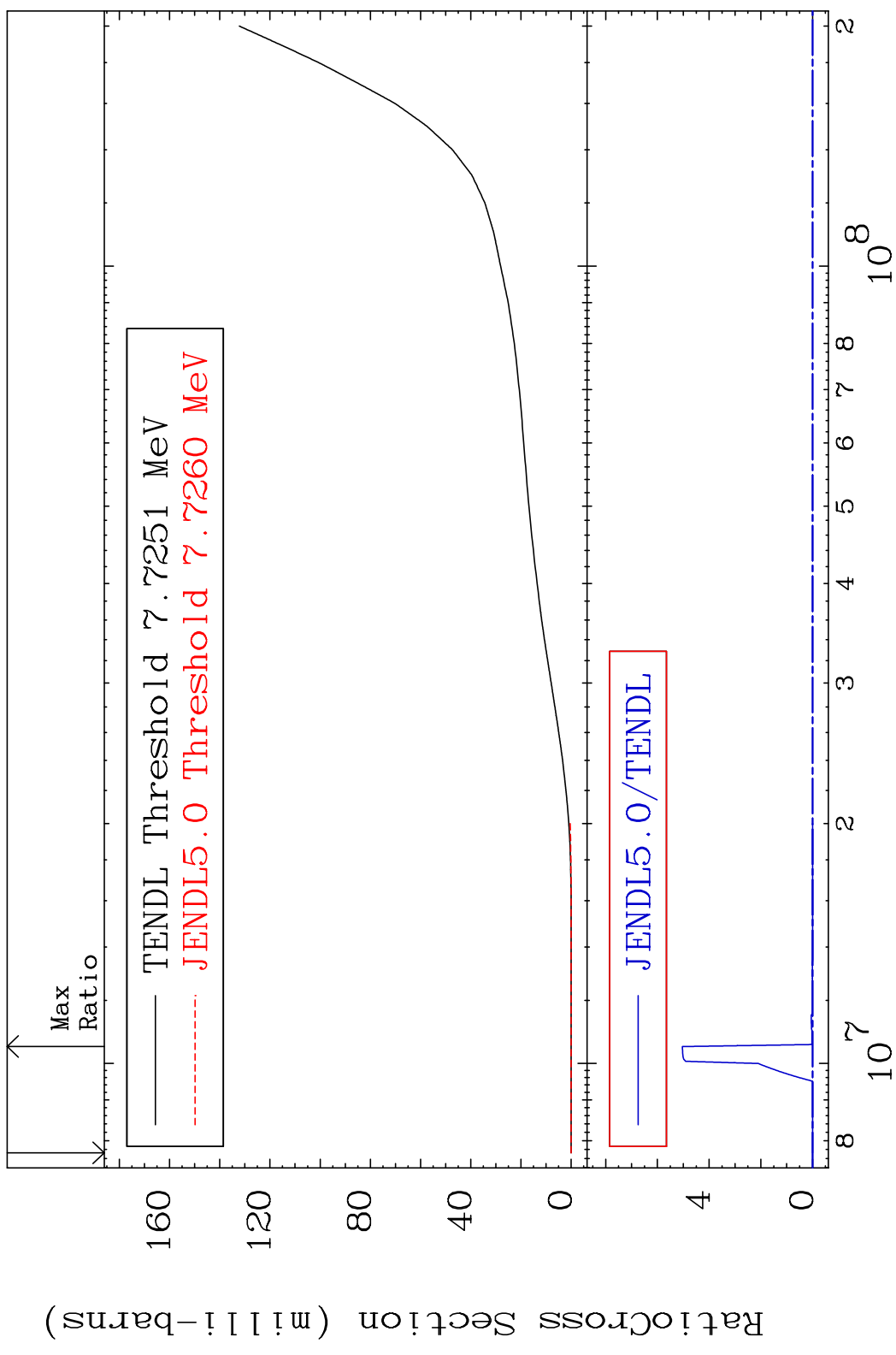
64-Gd-156

MAT 6437

Tritium Production

64-Gd-156

Cross Section -100.0 To 9999. %



45

Incident Energy (eV)

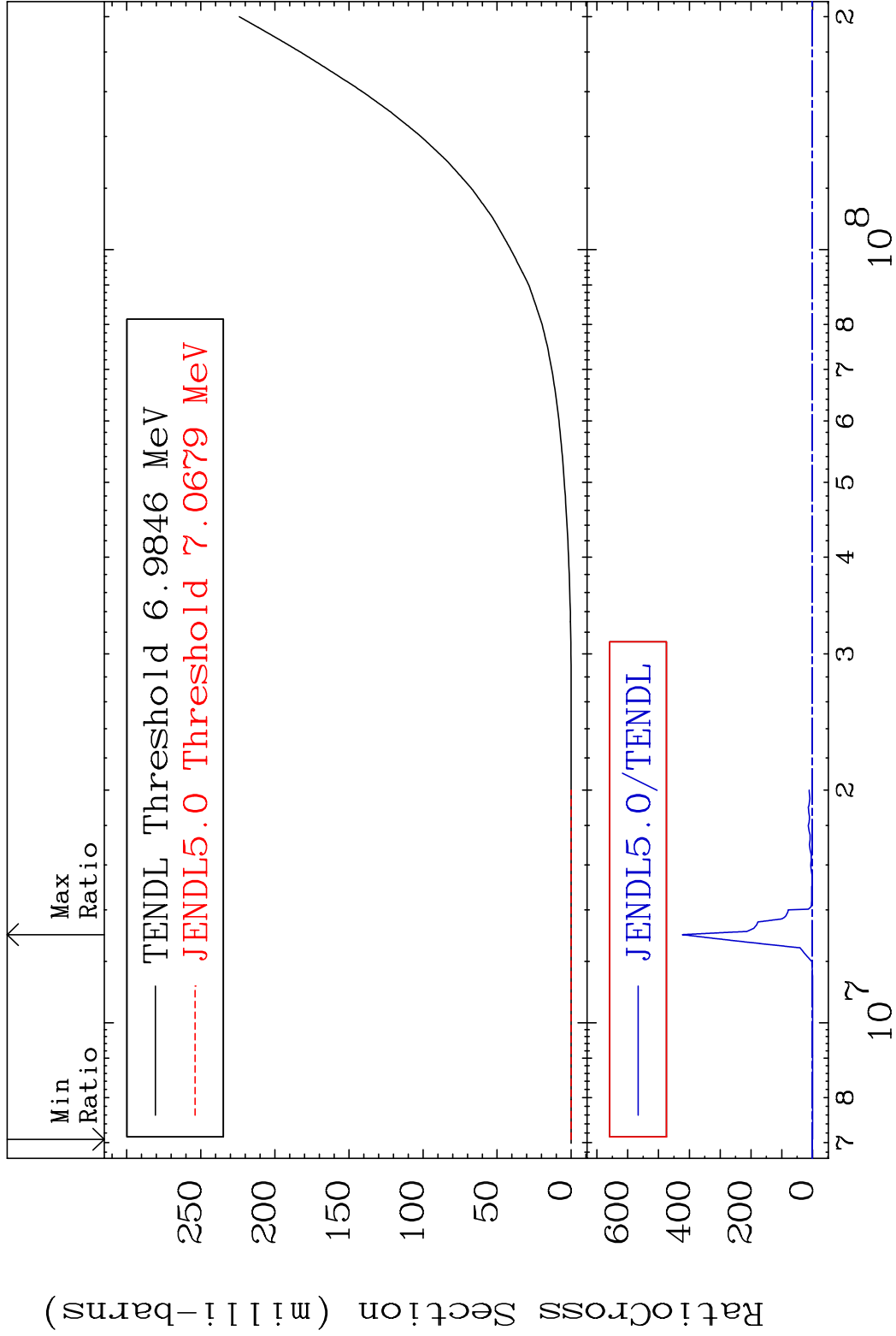
64-Gd-156

MAT 6437

He-3 Production

64-Gd-156

Cross Section -100.0 To 9999. %



46

Incident Energy (eV)

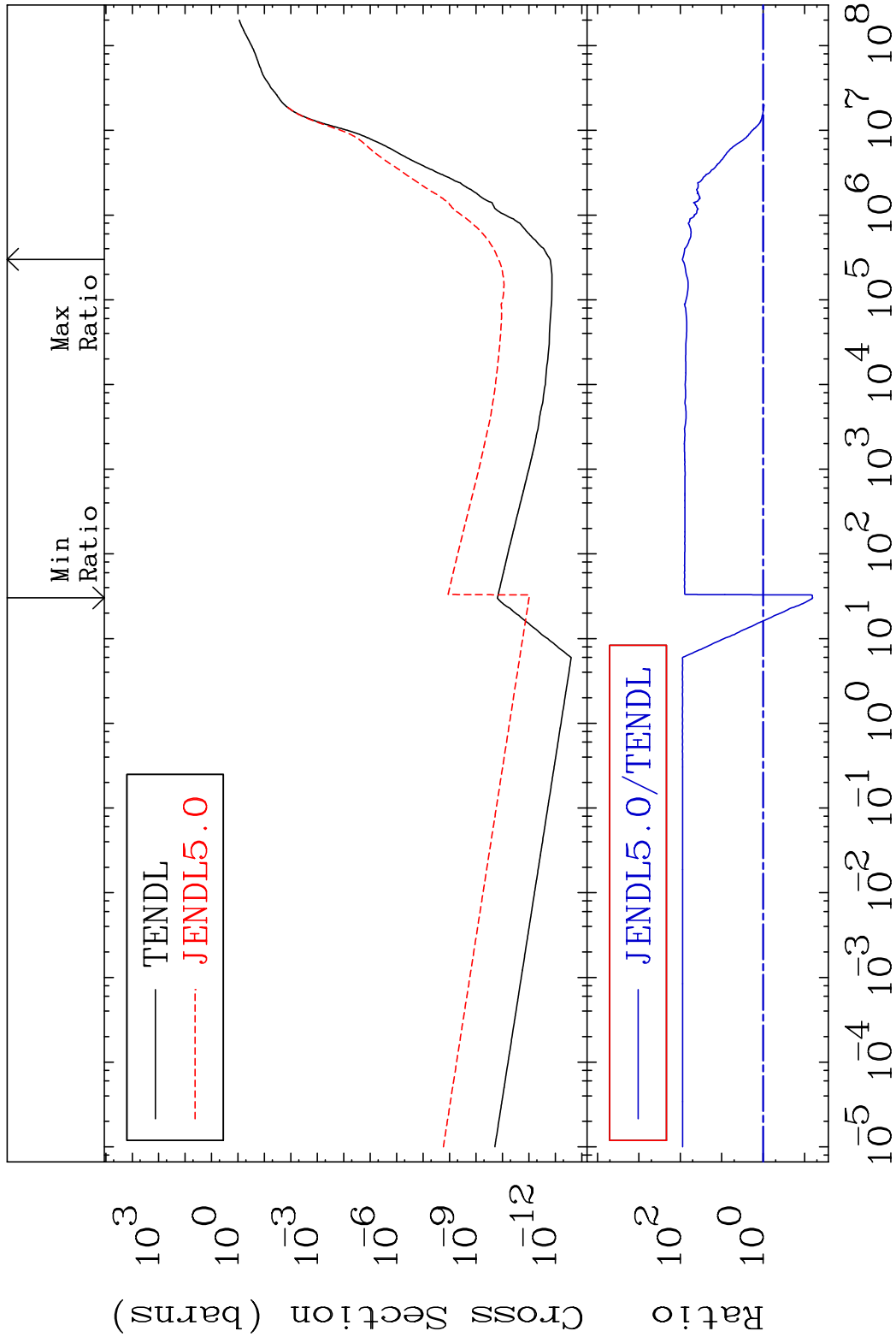
64-Gd-156

MAT 6437

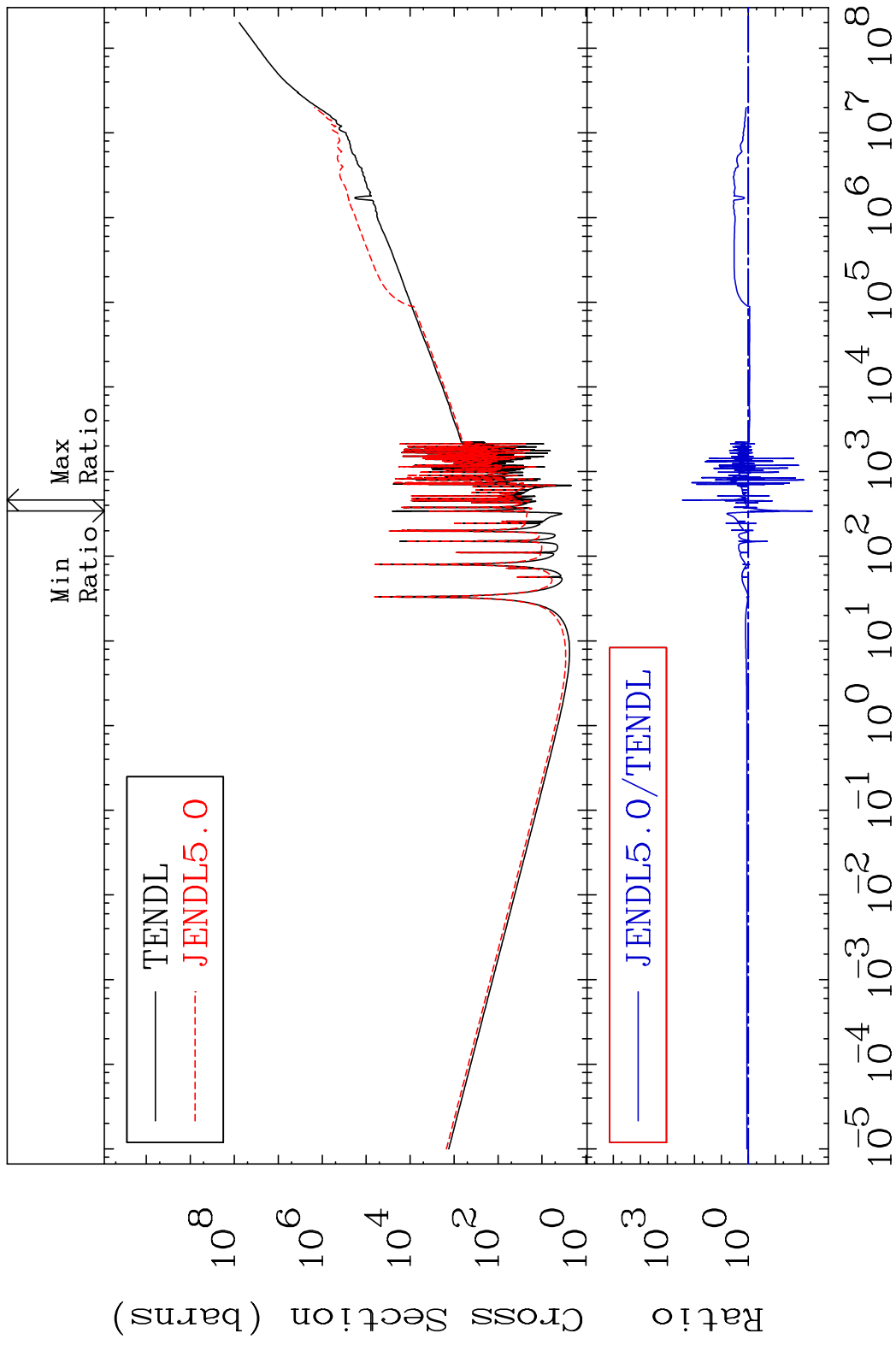
He-4 Production

64-Gd-156

Cross Section -93.61 To 8816. %



MAT 6437 Kerma total (eV-barns) 64-Gd-156  
 Cross Section -99.58 To 9999. %



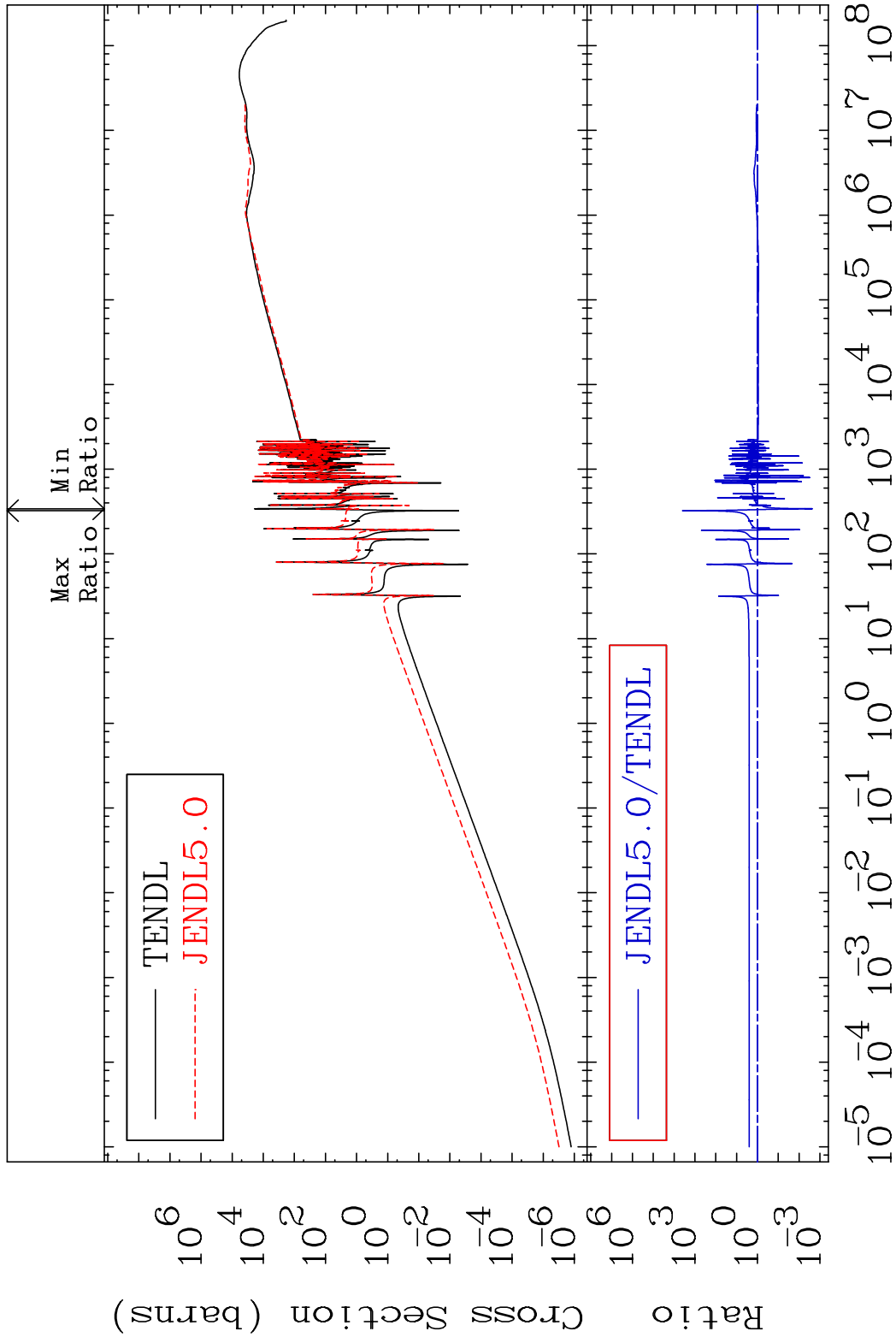
48 Incident Energy (eV) 64-Gd-156

MAT 6437

Kerma elastic

64-Gd-156

Cross Section -99.78 To 9999. %

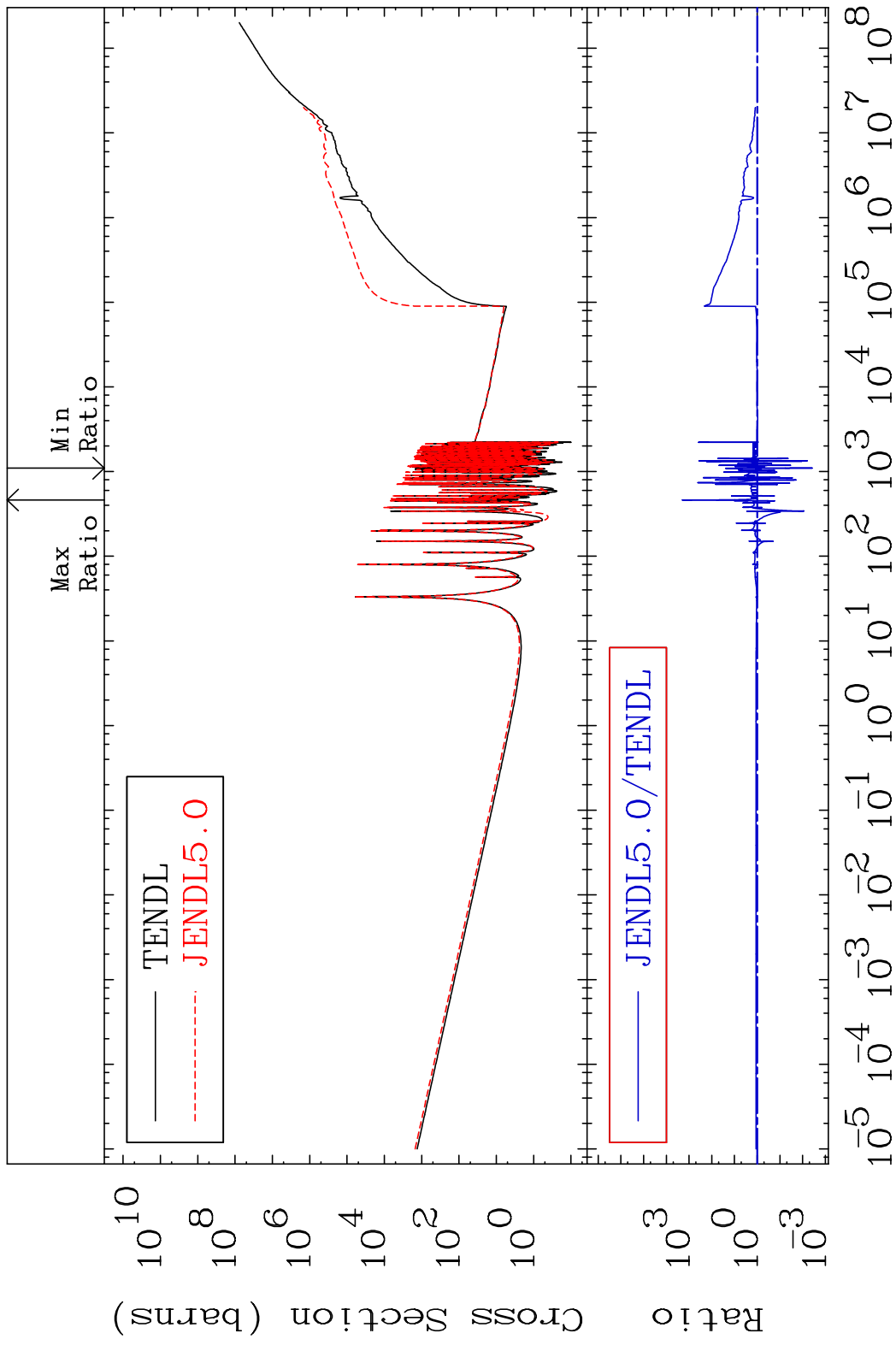


49

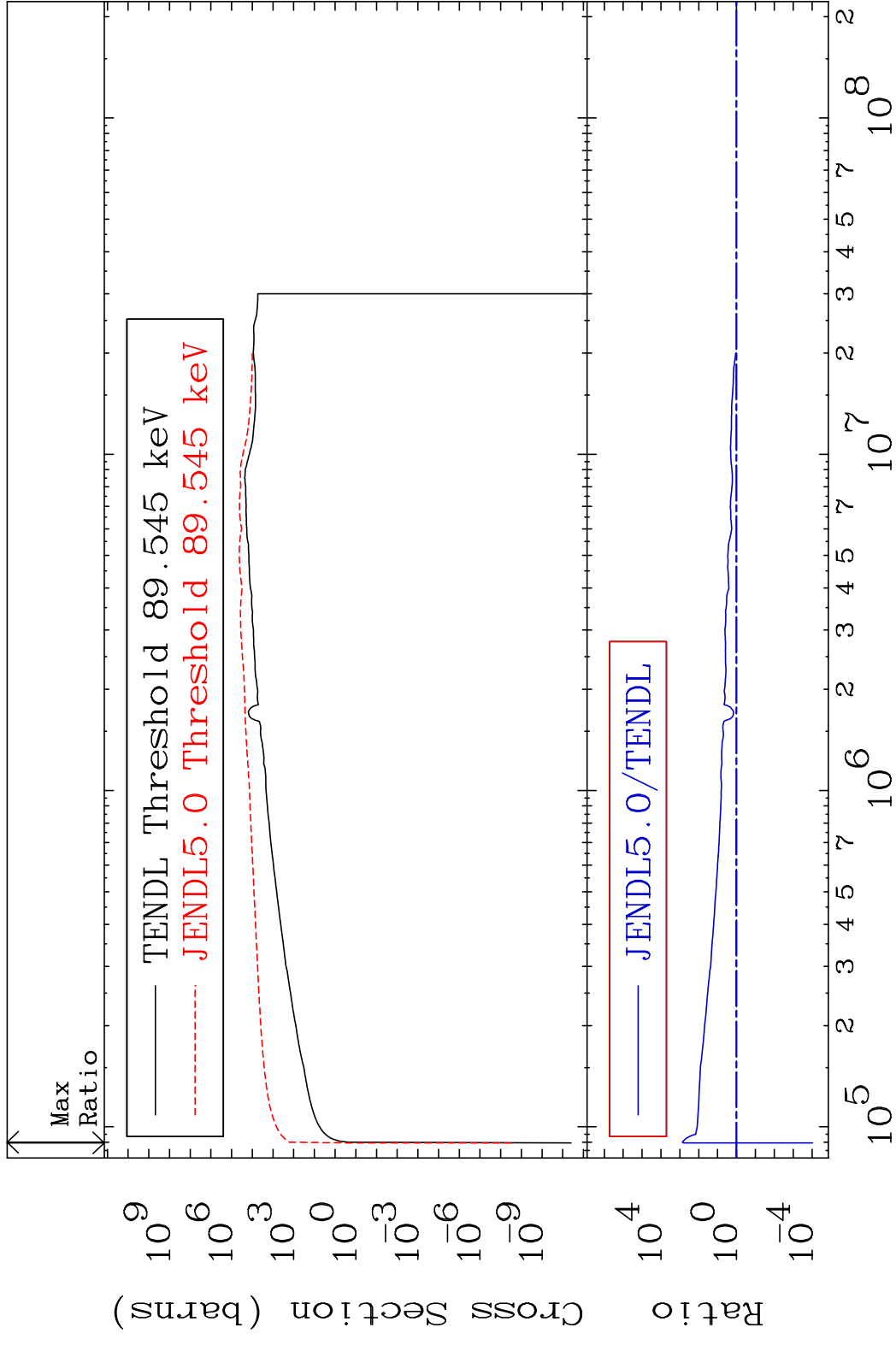
Incident Energy (eV)

64-Gd-156

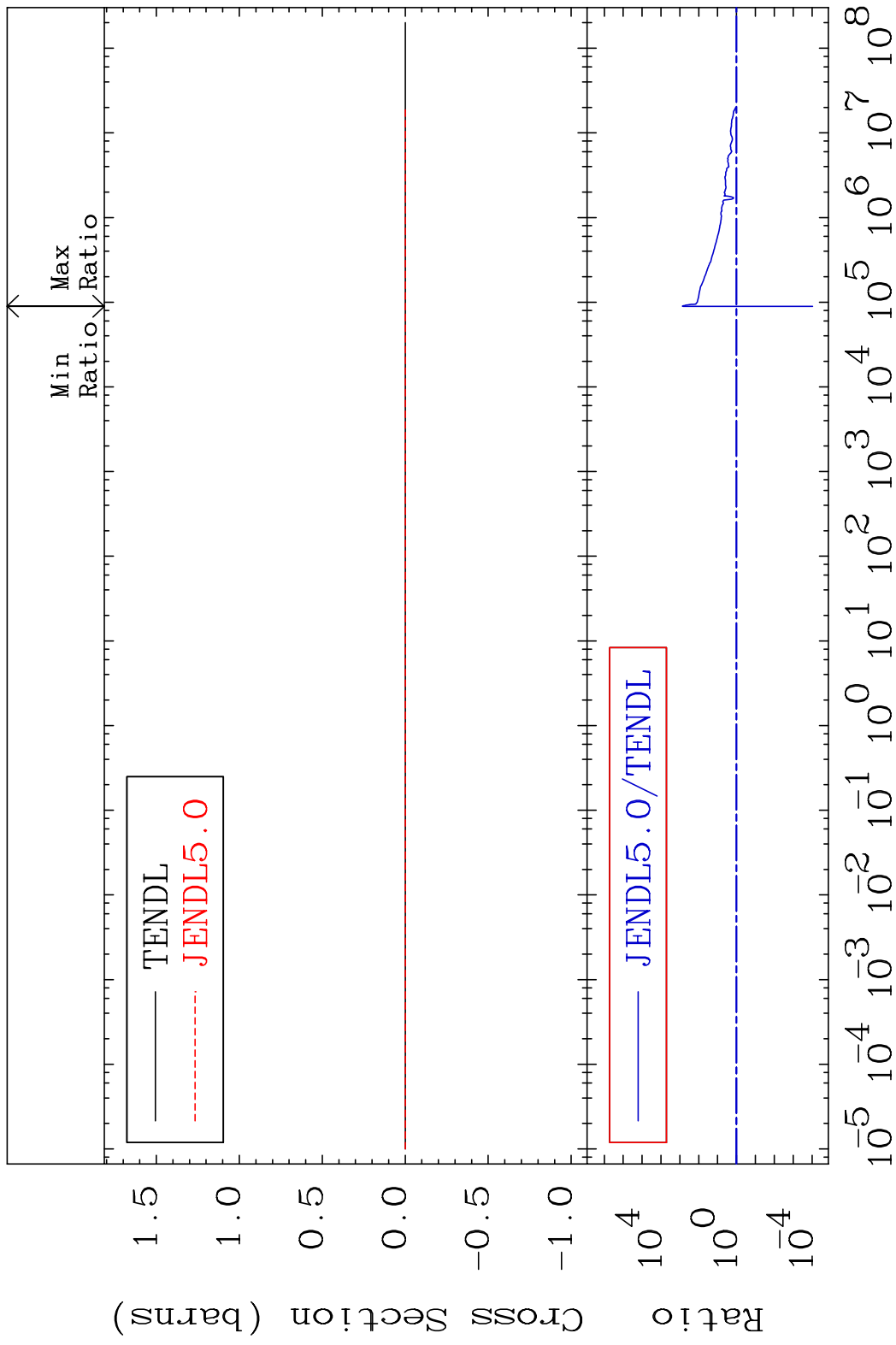
MAT 6437 Kerma non-elastic (all but mt2) 64-Gd-156  
 Cross Section -99.63 To 9999. %



MAT 6437 Kerma inelastic (mt51-91) 64-Gd-156  
 Cross Section -99.99 To 9999. %

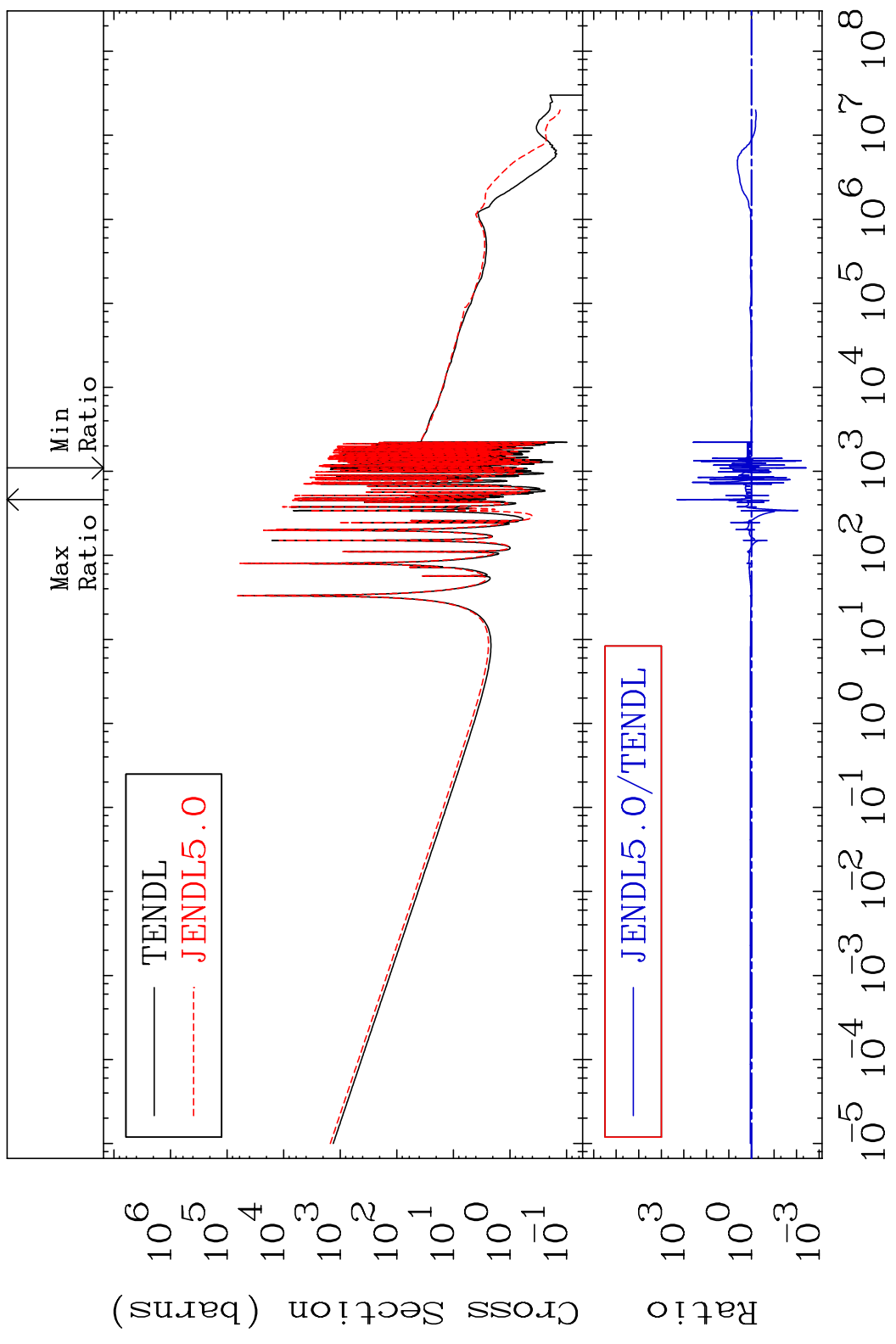


MAT 6437 Kerma fission (mt18 or mt19-20-21-38) 64-Gd-156  
 Cross Section -99.99 To 9999. %



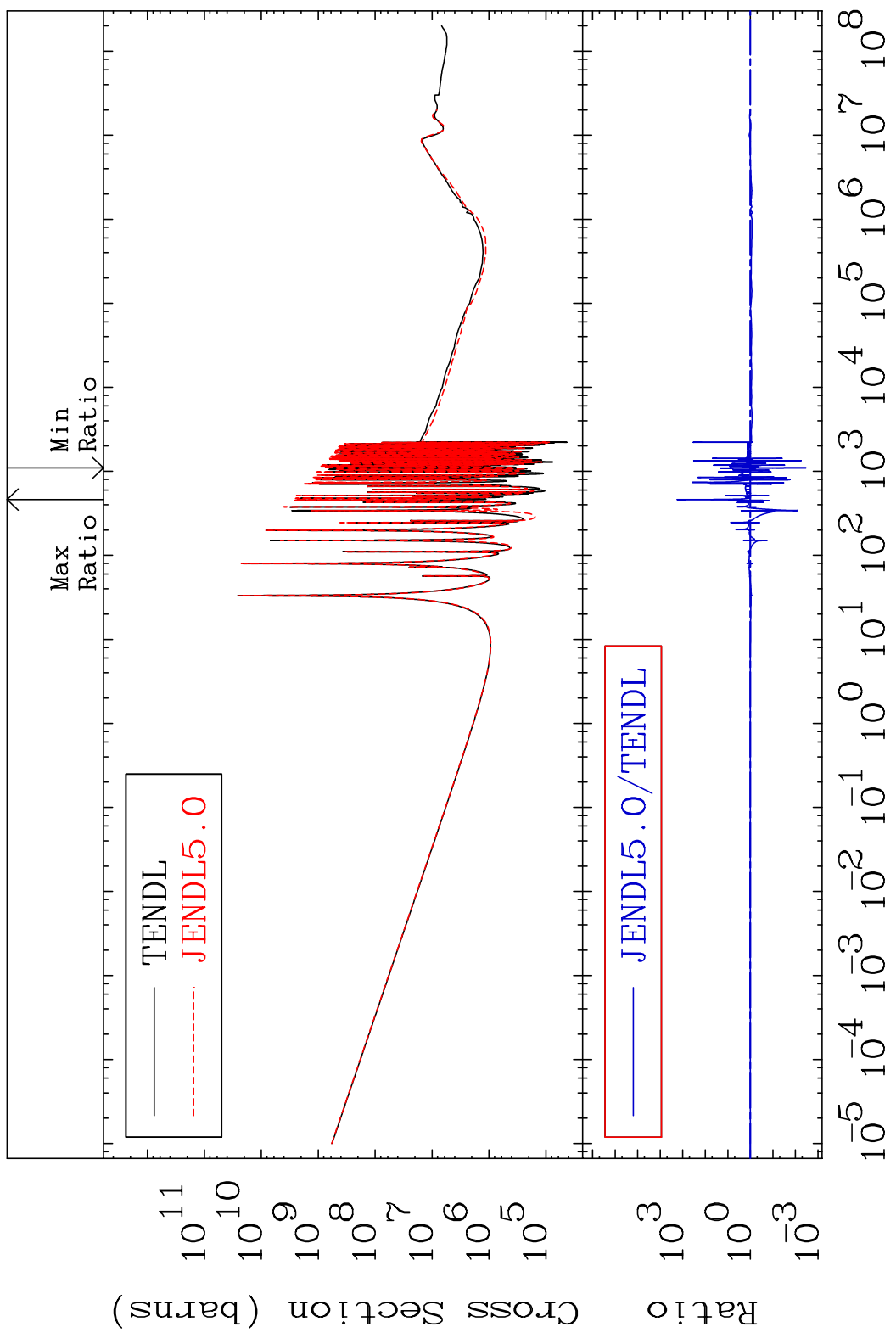
MAT 6437

Kerma capture (mt102) 64-Gd-156  
Cross Section -99.64 To 9999. %



MAT 6437

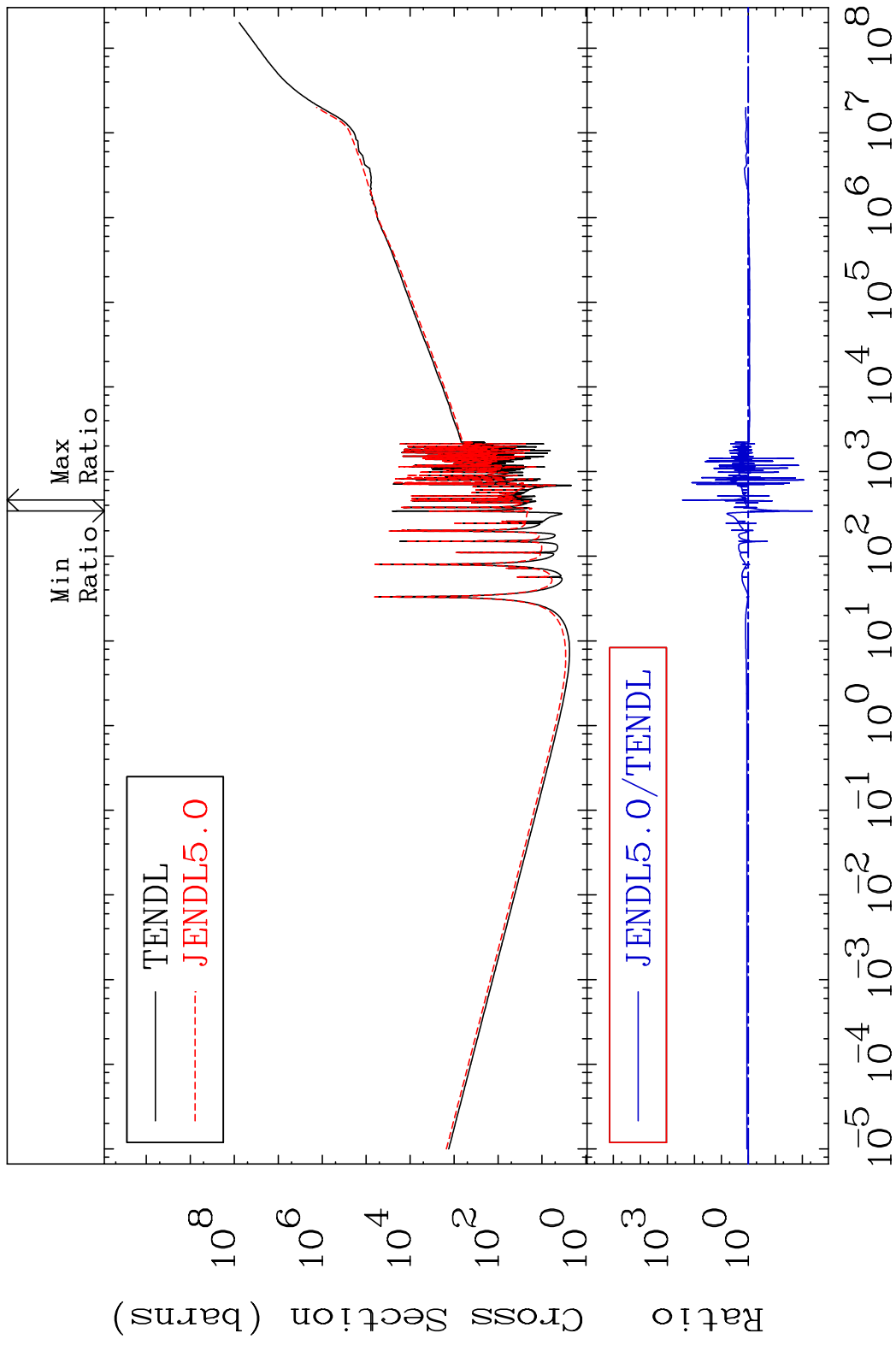
Total photon (eV-barns) 64-Gd-156  
Cross Section -99.67 To 9999. %



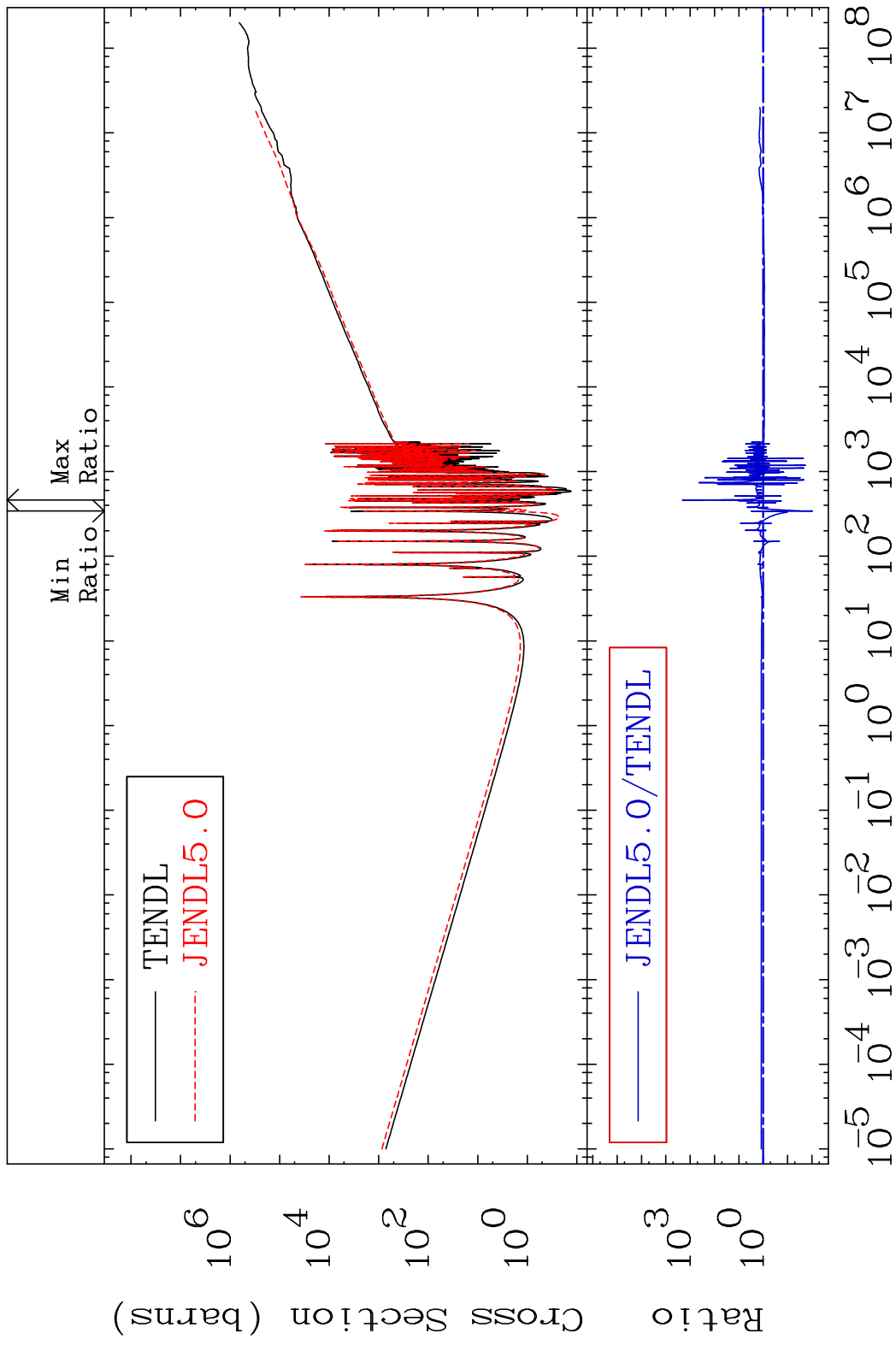
54

Incident Energy (eV) 64-Gd-156

MAT 6437 Total kinematic kerma (high limit) 64-Gd-156  
 Cross Section -99.58 To 9999. %



MAT 6437 Dpa total (eV-barns) 64-Gd-156  
 Cross Section -99.06 To 9999. %

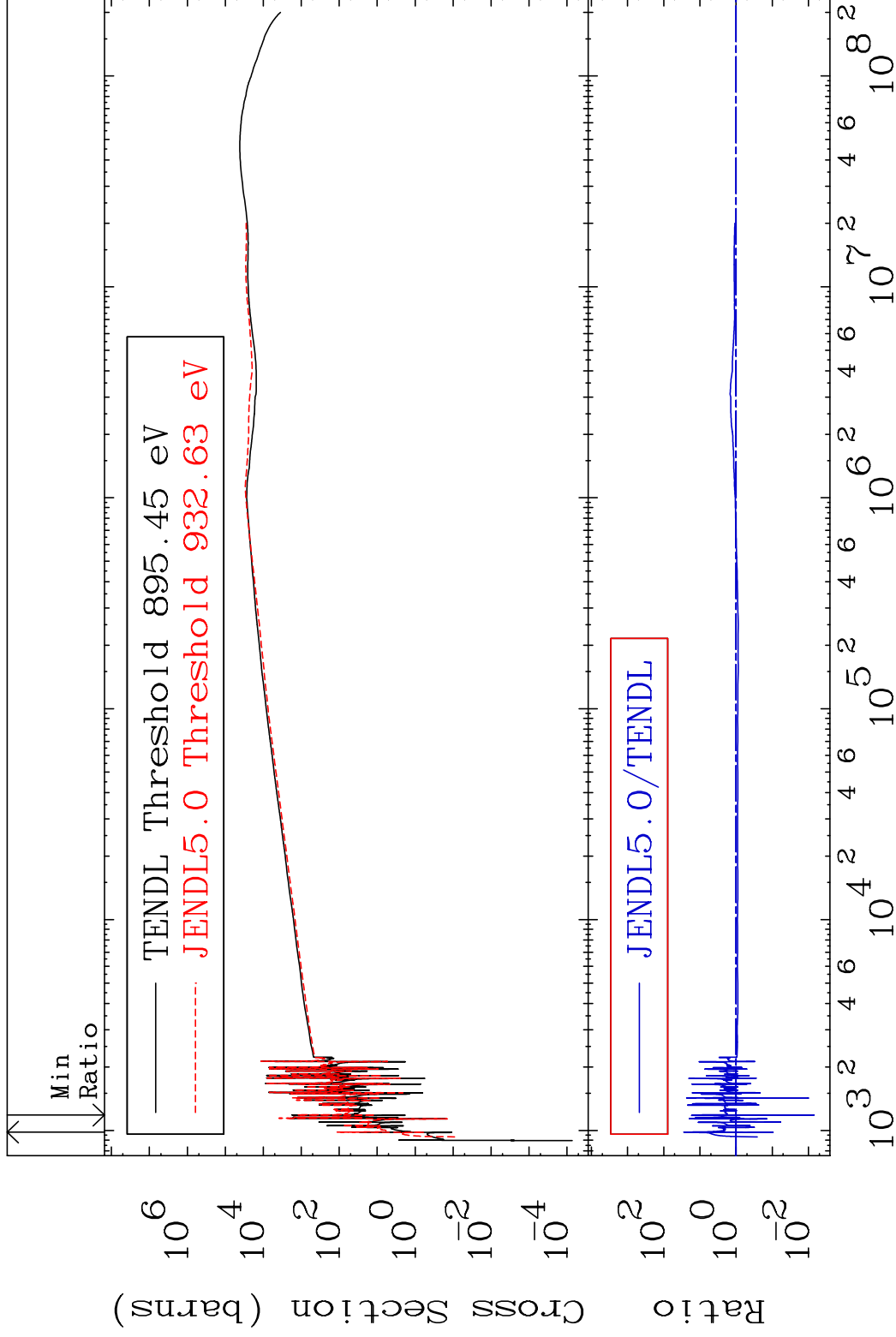


MAT 6437

Dpa elastic (mt2)

64-Gd-156

Cross Section -99.30 To 2711. %

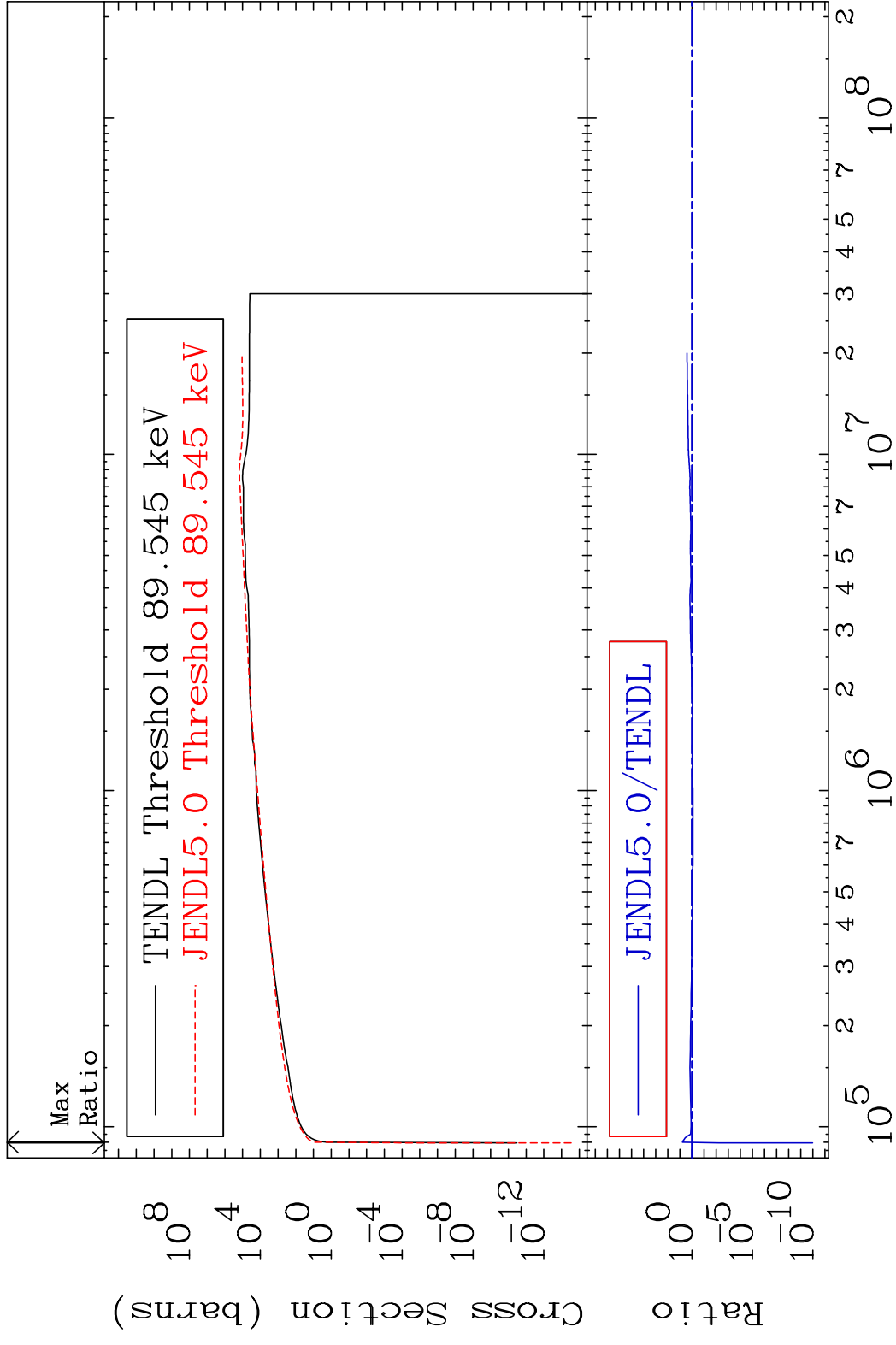


57

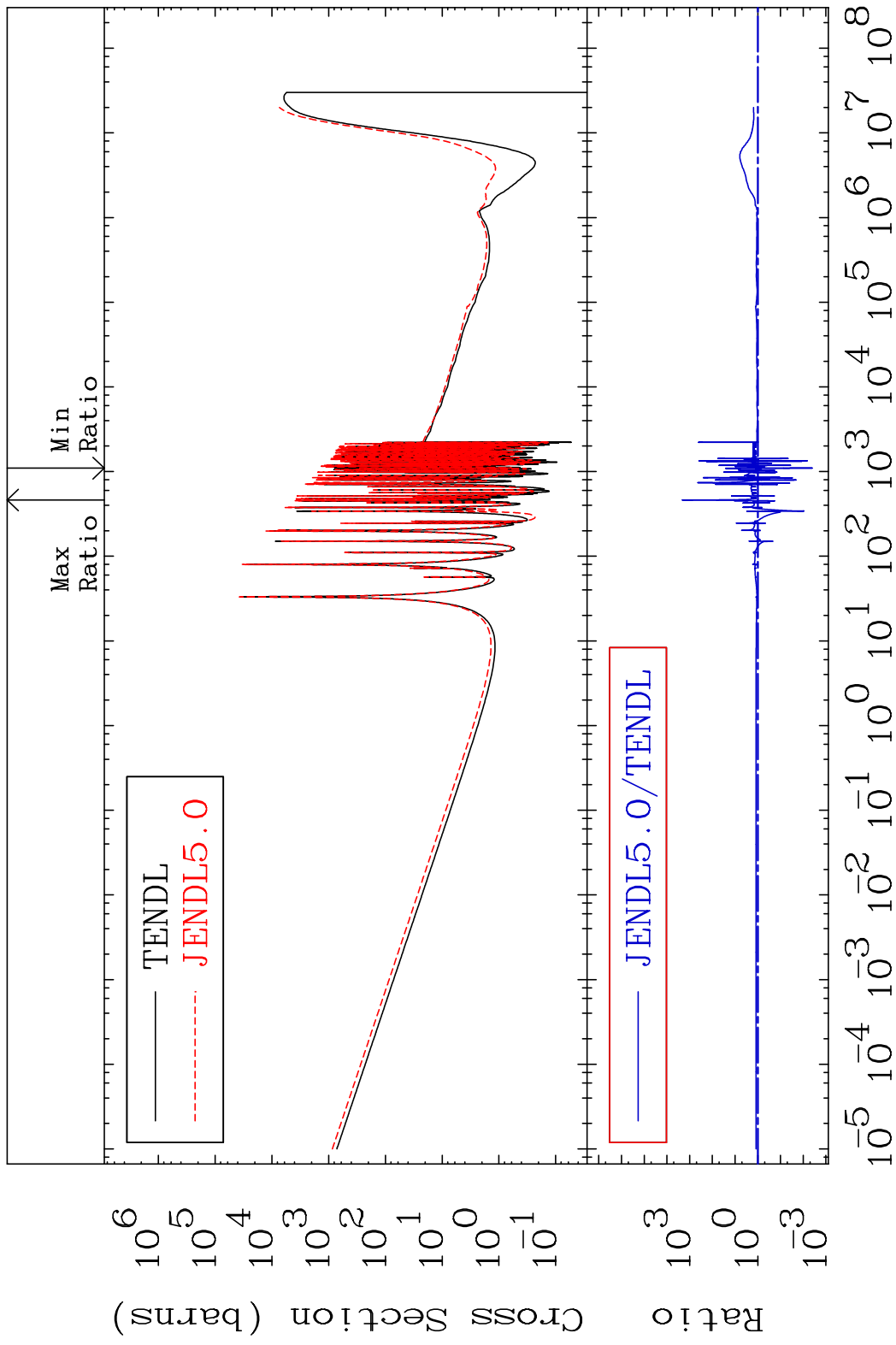
Incident Energy (eV)

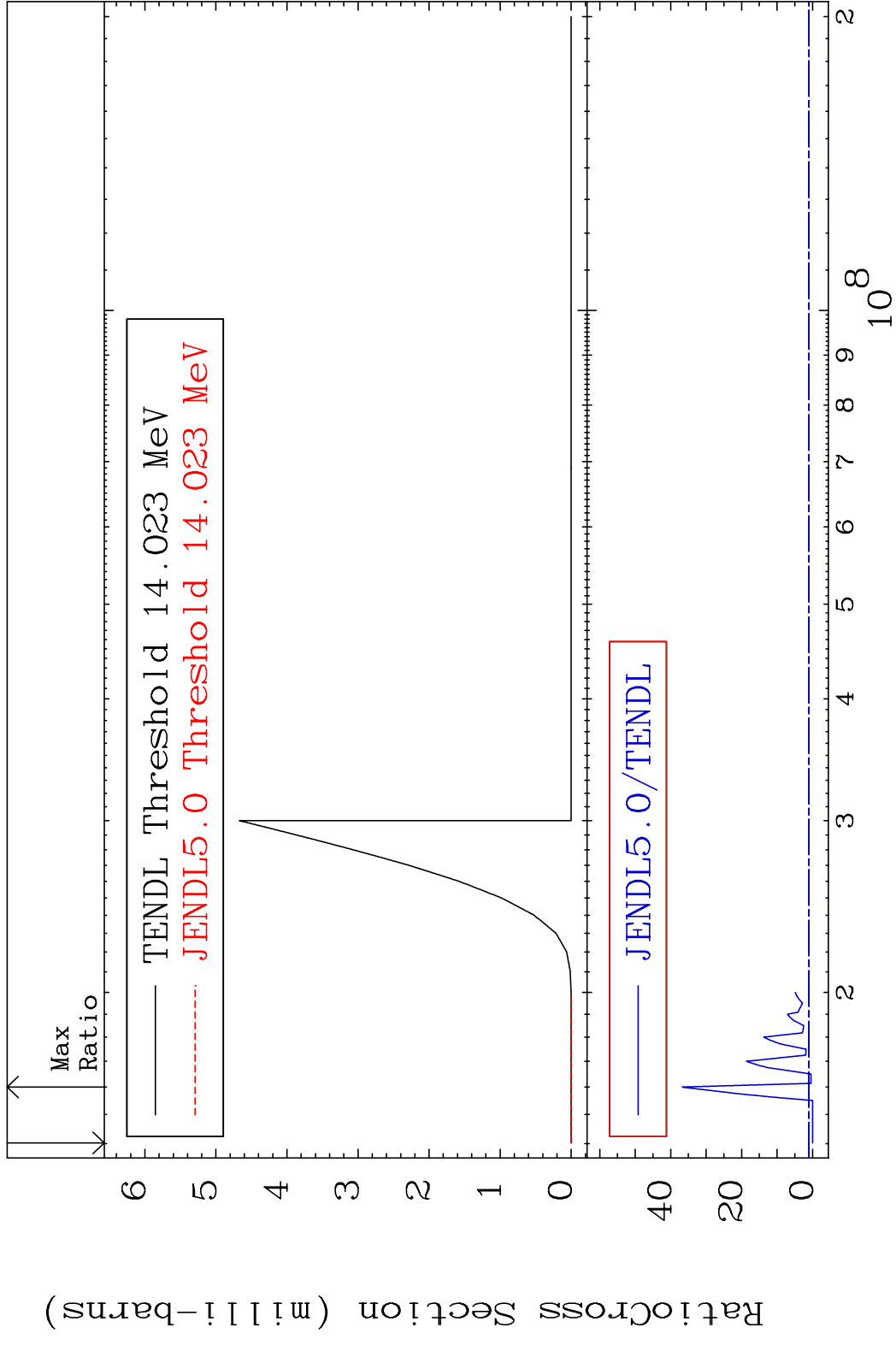
64-Gd-156

MAT 6437      Dpa inelastic (mt51-91)      64-Gd-156  
 Cross Section      -100.0 To 535.4 %



MAT 6437 Dpa disappearance (mt102 -120) 64-Gd-156  
 Cross Section -99.61 To 9999. %





MAT 6437 (n, t):63-Eu-154g 64-Gd-156  
 Radionuclide Production Cross Section Ratio 9999. %

