

Program Complot  
(Version 2021-1)

by

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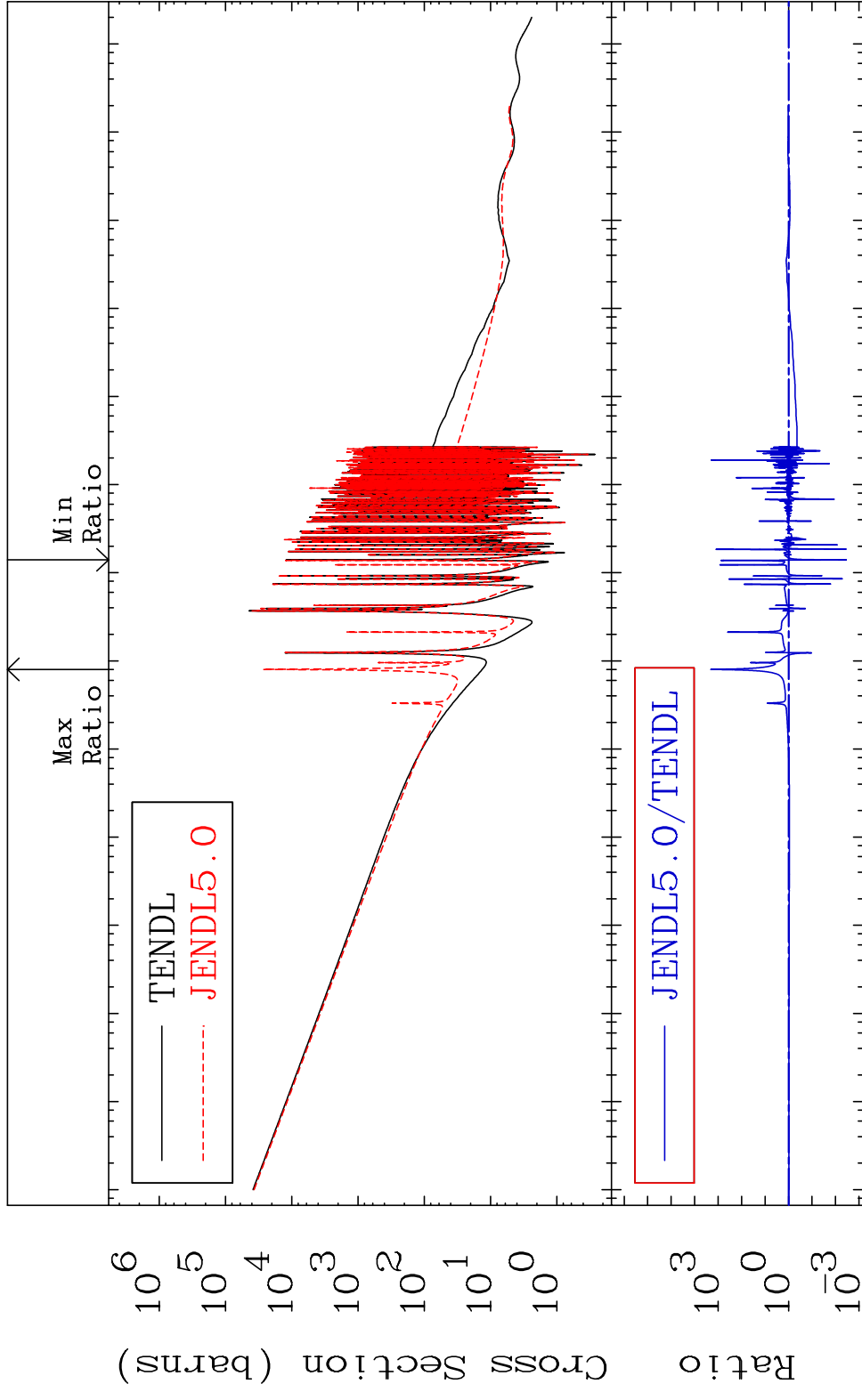
E.Mail:redcullen1@comcast.net  
Web:redcullen1.net/HOMEPAGE.NEW

Press Mouse Button to Start

MAT 6425

Total  
Cross Section -99.65 To 9999. %

64-Gd-152



1

Incident Energy (eV)

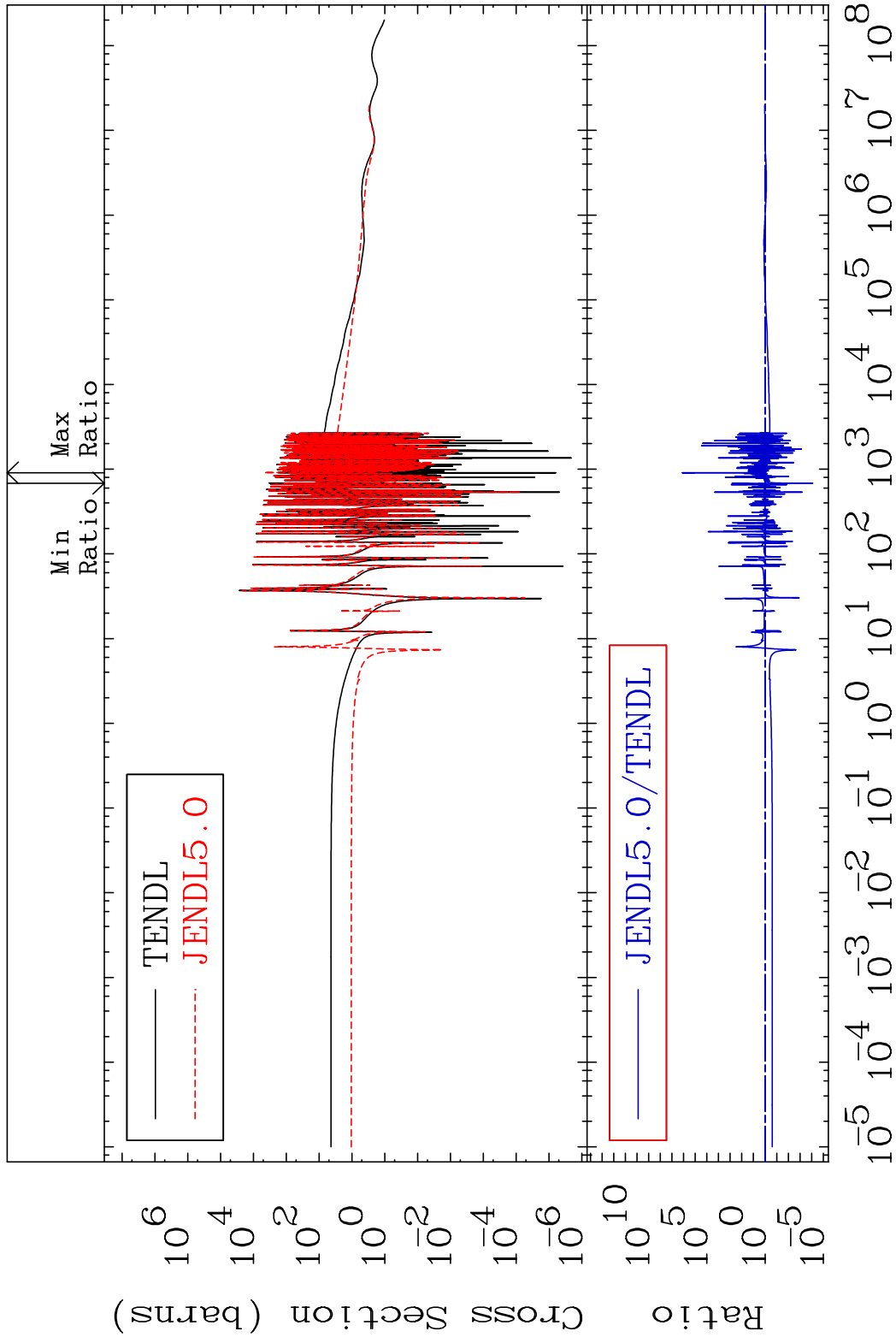
64-Gd-152

MAT 6425

Elastic

64-Gd-152

Cross Section -99.99 To 9999. %



2

Incident Energy (eV)

64-Gd-152

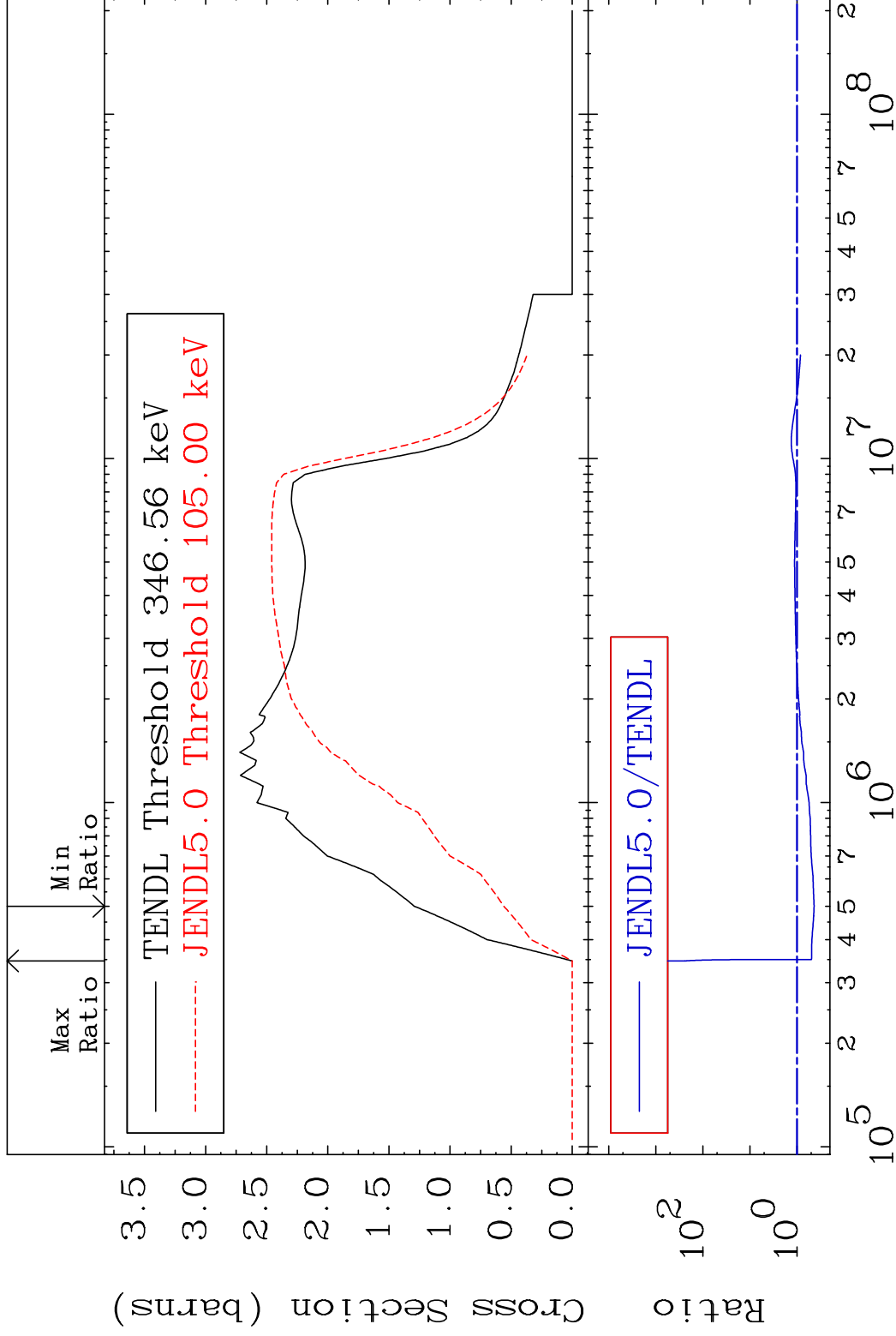
MAT 6425

Inelastic

64-Gd-152

Cross Section

-56.66 To 9999. %



3

Incident Energy (eV)

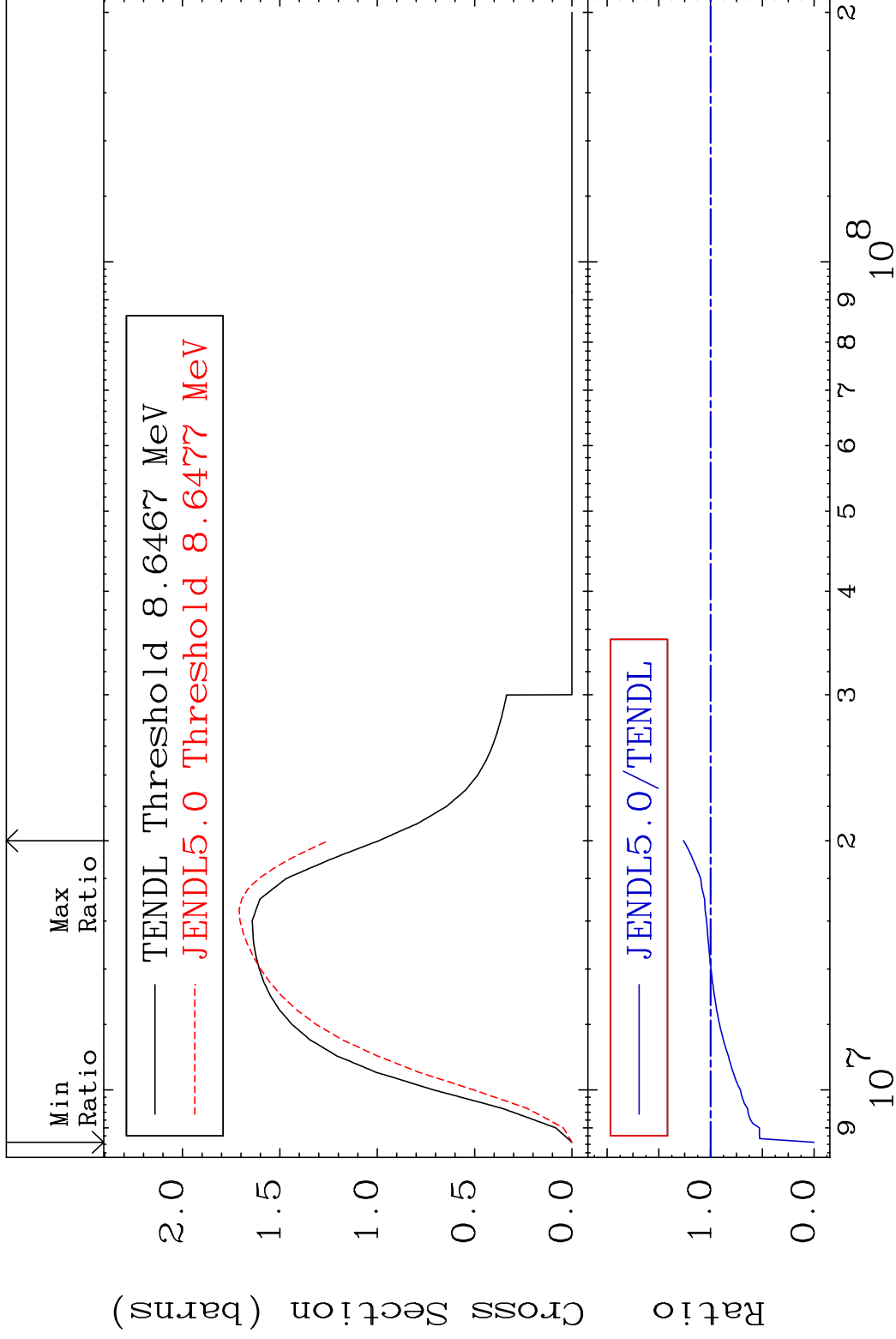
64-Gd-152

MAT 6425

(n,2n)

64-Gd-152

Cross Section -100.0 To 26.23 %

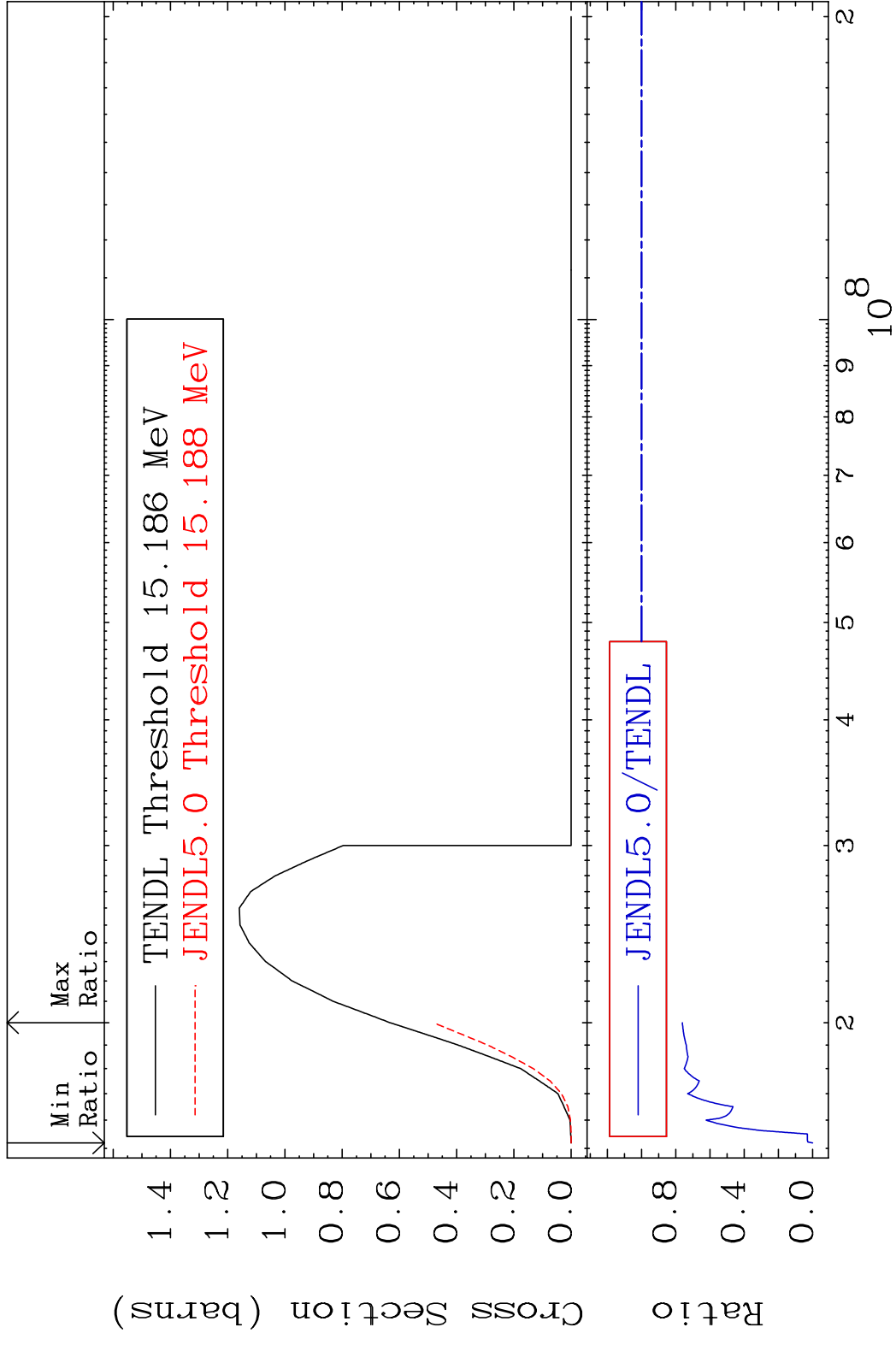


4

Incident Energy (eV)

64-Gd-152

MAT 6425 (n,3n) 64-Gd-152  
 Cross Section -100.0 To -23.86%

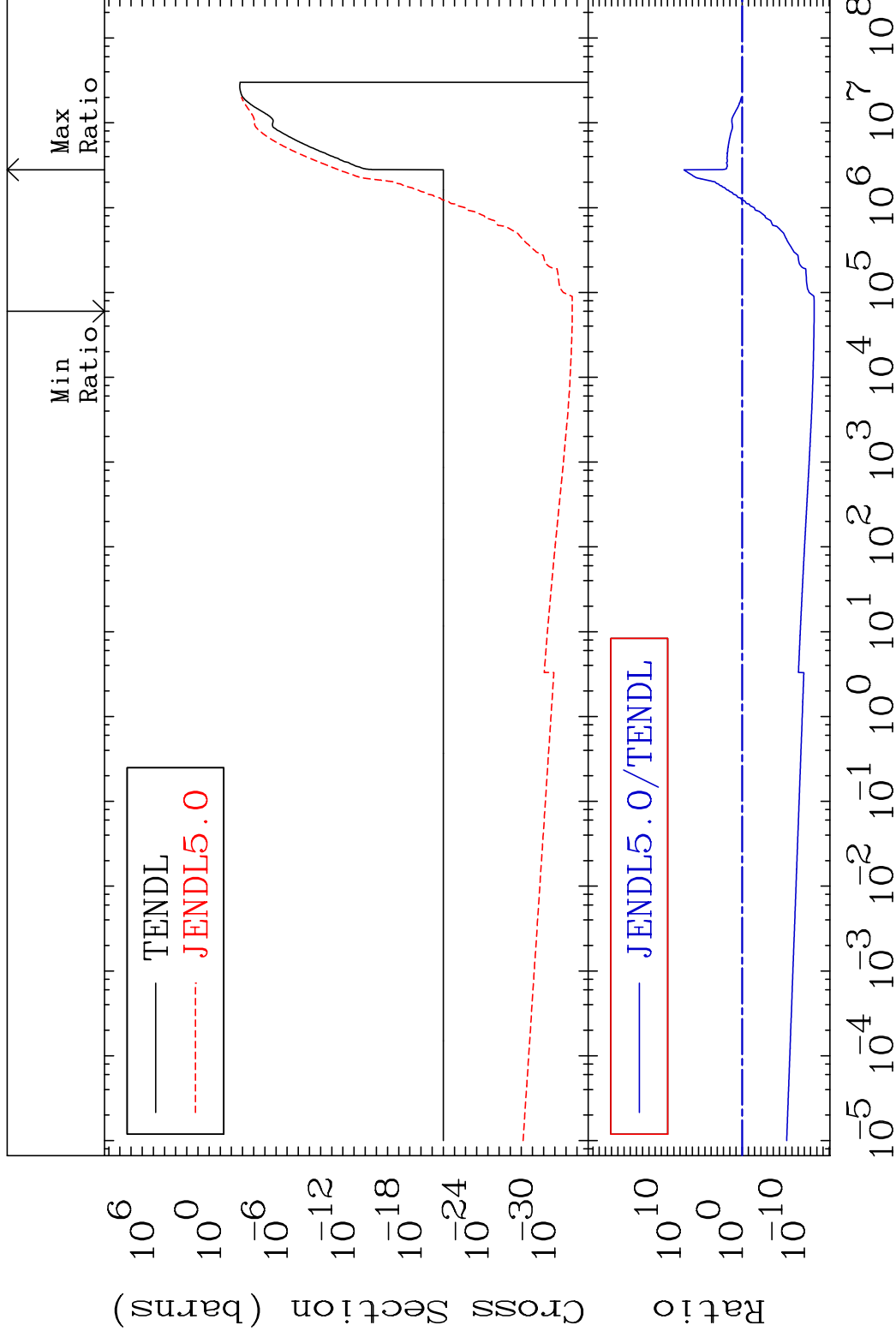


MAT 6425

(n, n')  $\alpha$

64-Gd-152

Cross Section -100.0 To 9999. %



6

Incident Energy (eV)

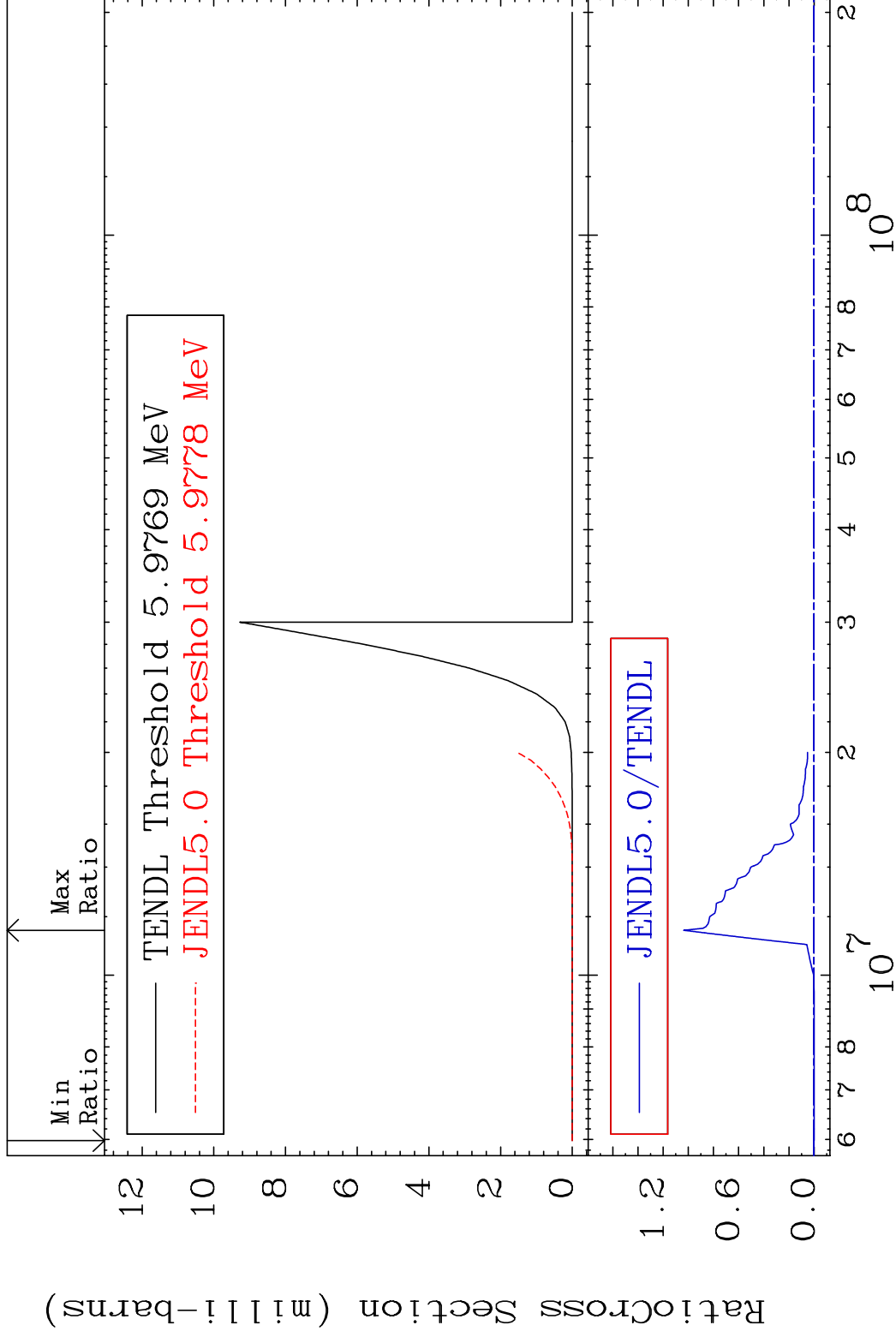
64-Gd-152

MAT 6425

(n,2n)  $\alpha$

64-Gd-152

Cross Section -100.0 To 9999. %



7

Incident Energy (eV)

64-Gd-152

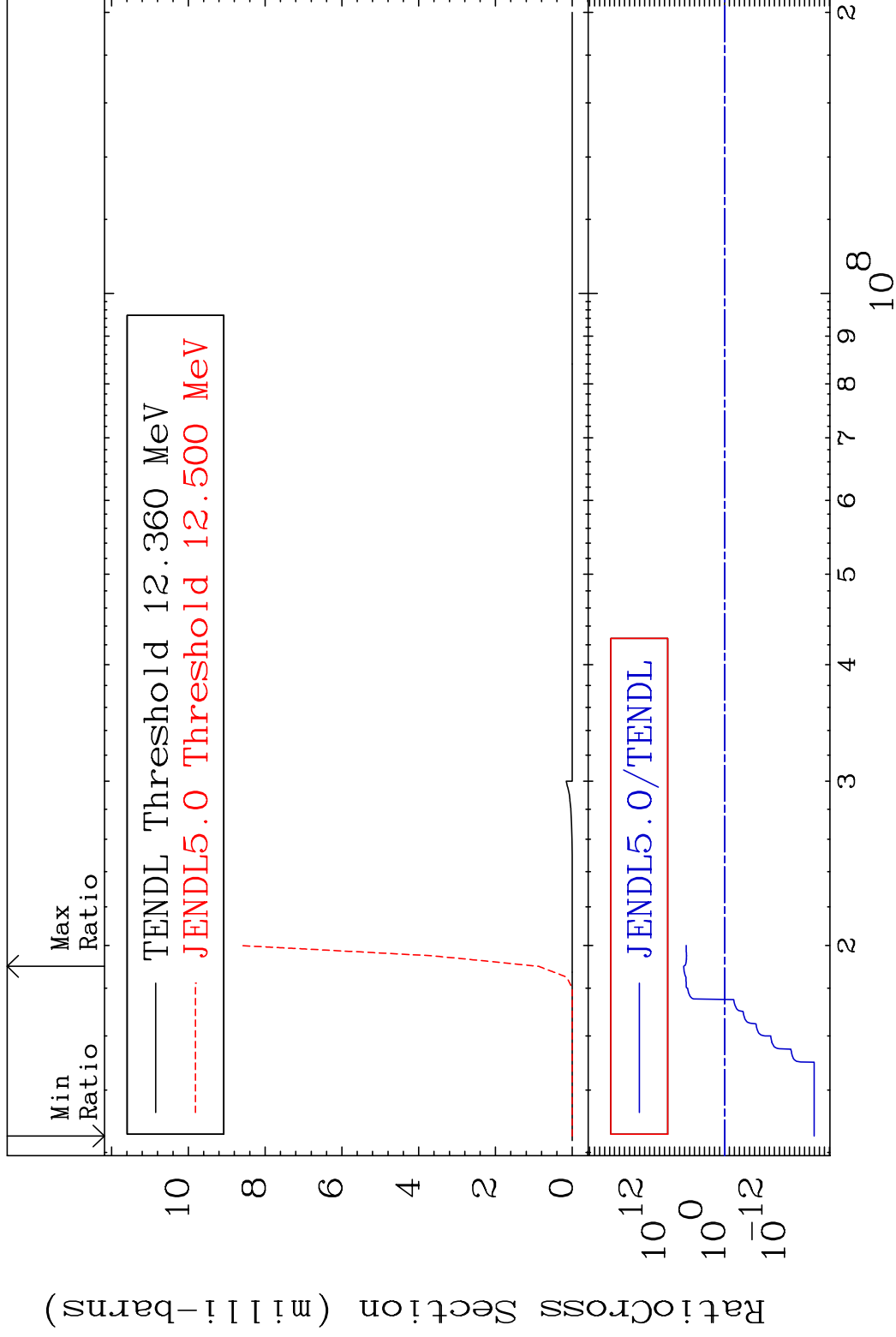


MAT 6425

(n,3n)  $\alpha$

64-Gd-152

Cross Section -100.0 To 9999. %

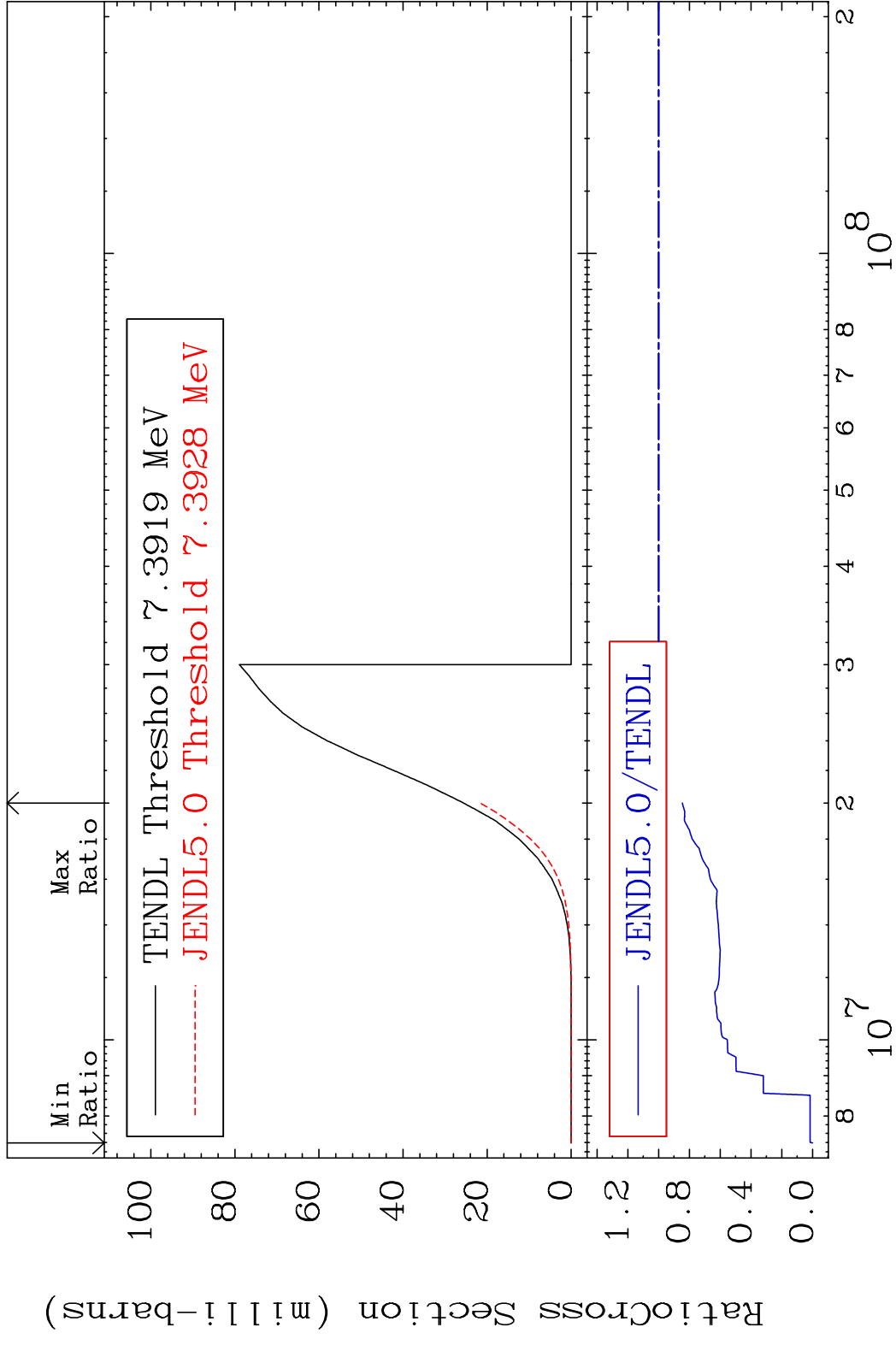


8

Incident Energy (eV)

64-Gd-152

MAT 6425 (n, n') p 64-Gd-152  
 Cross Section -100.0 To -15.41%

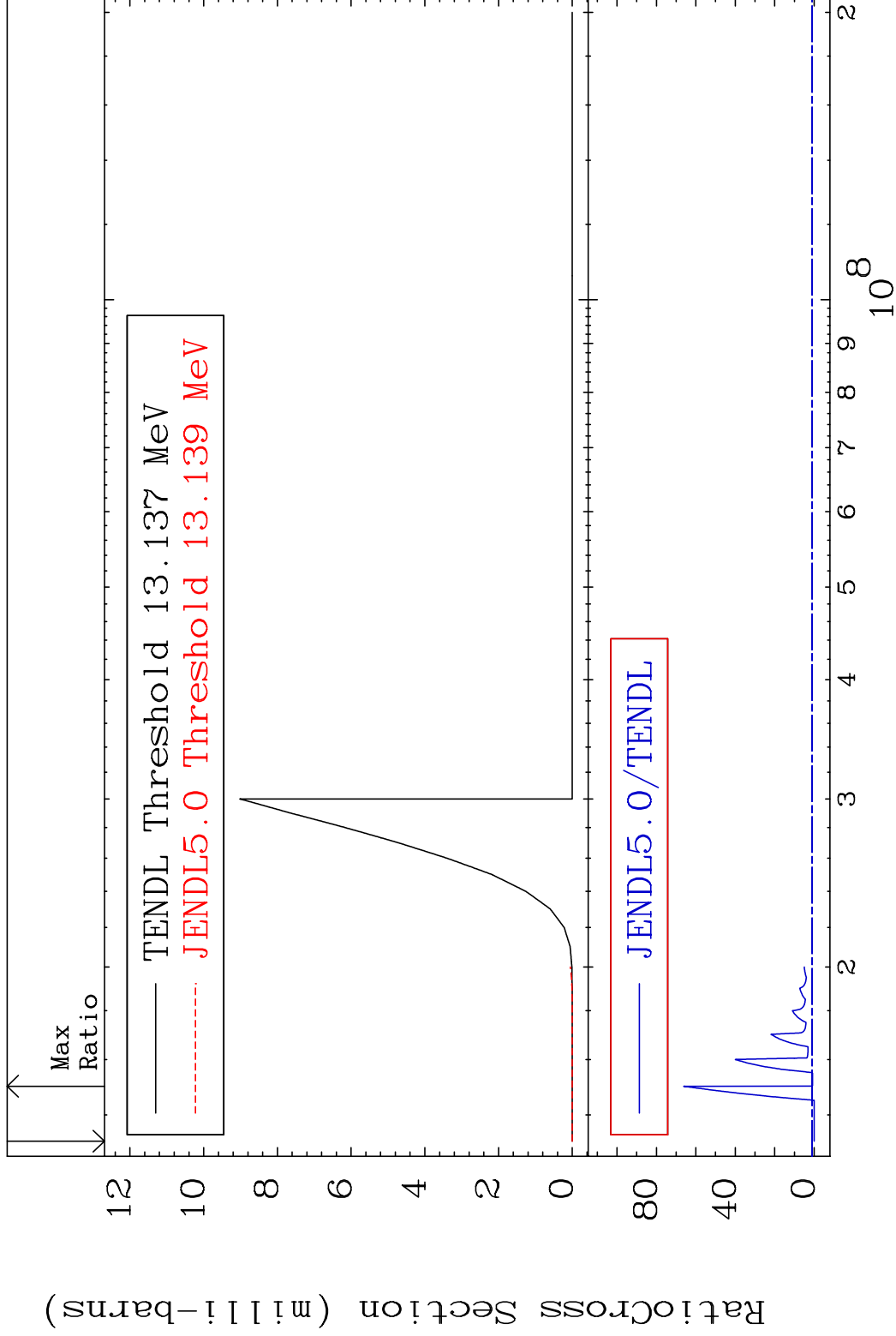


MAT 6425

(n, n') d

64-Gd-152

Cross Section -100.0 To 6517. %



10

Incident Energy (eV)

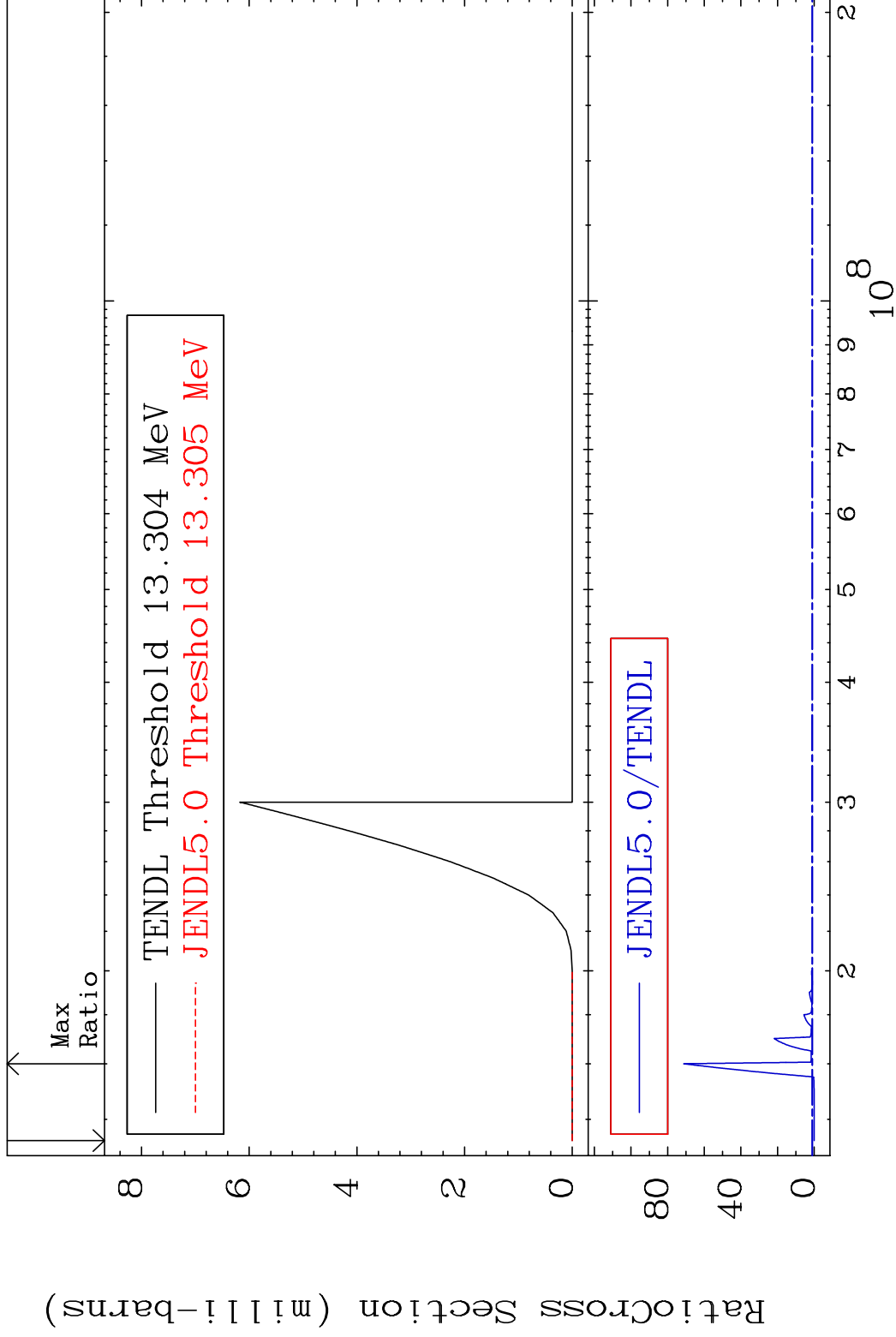
64-Gd-152

MAT 6425

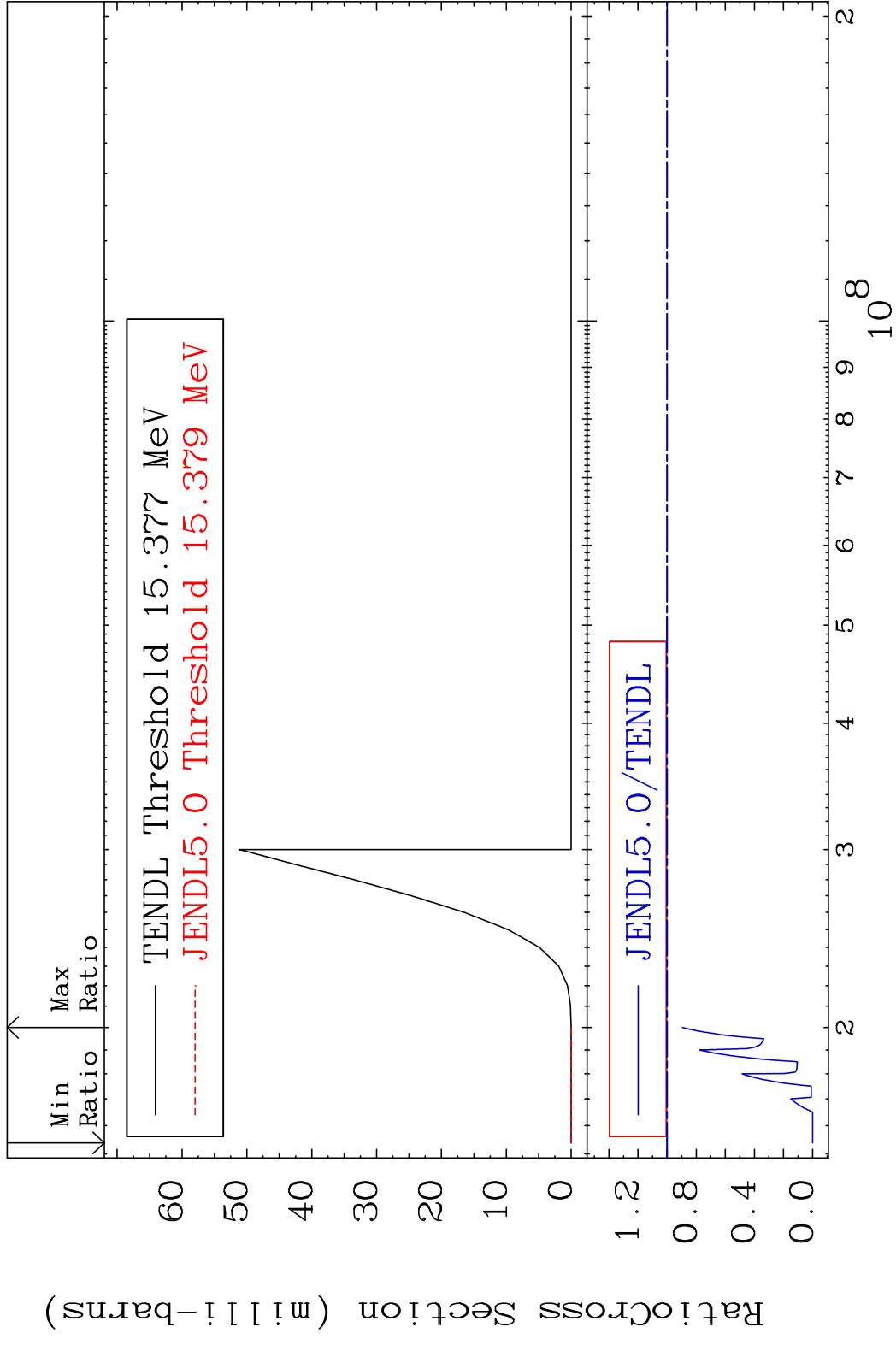
(n, n') t

64-Gd-152

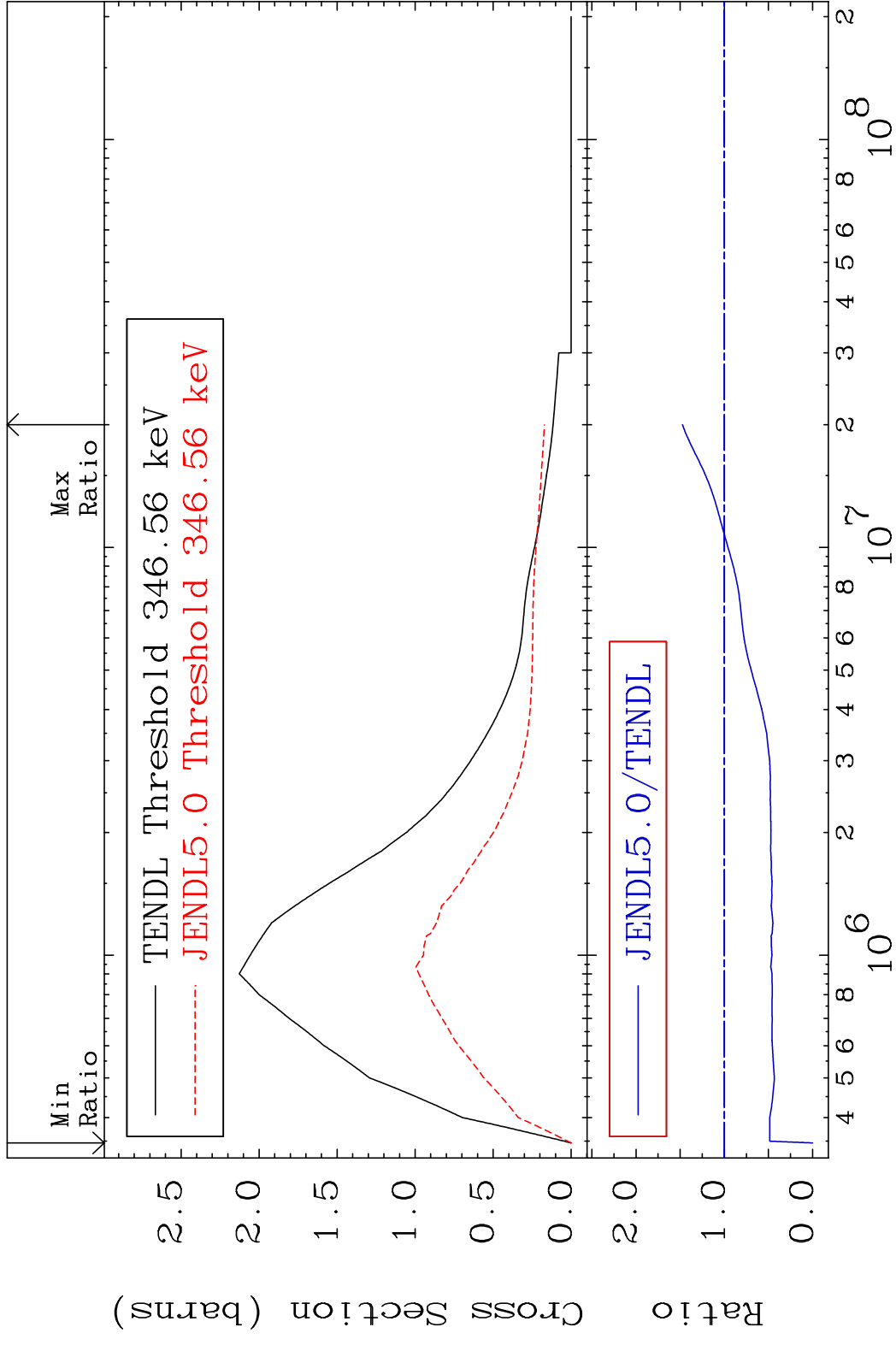
Cross Section -100.0 To 7024. %



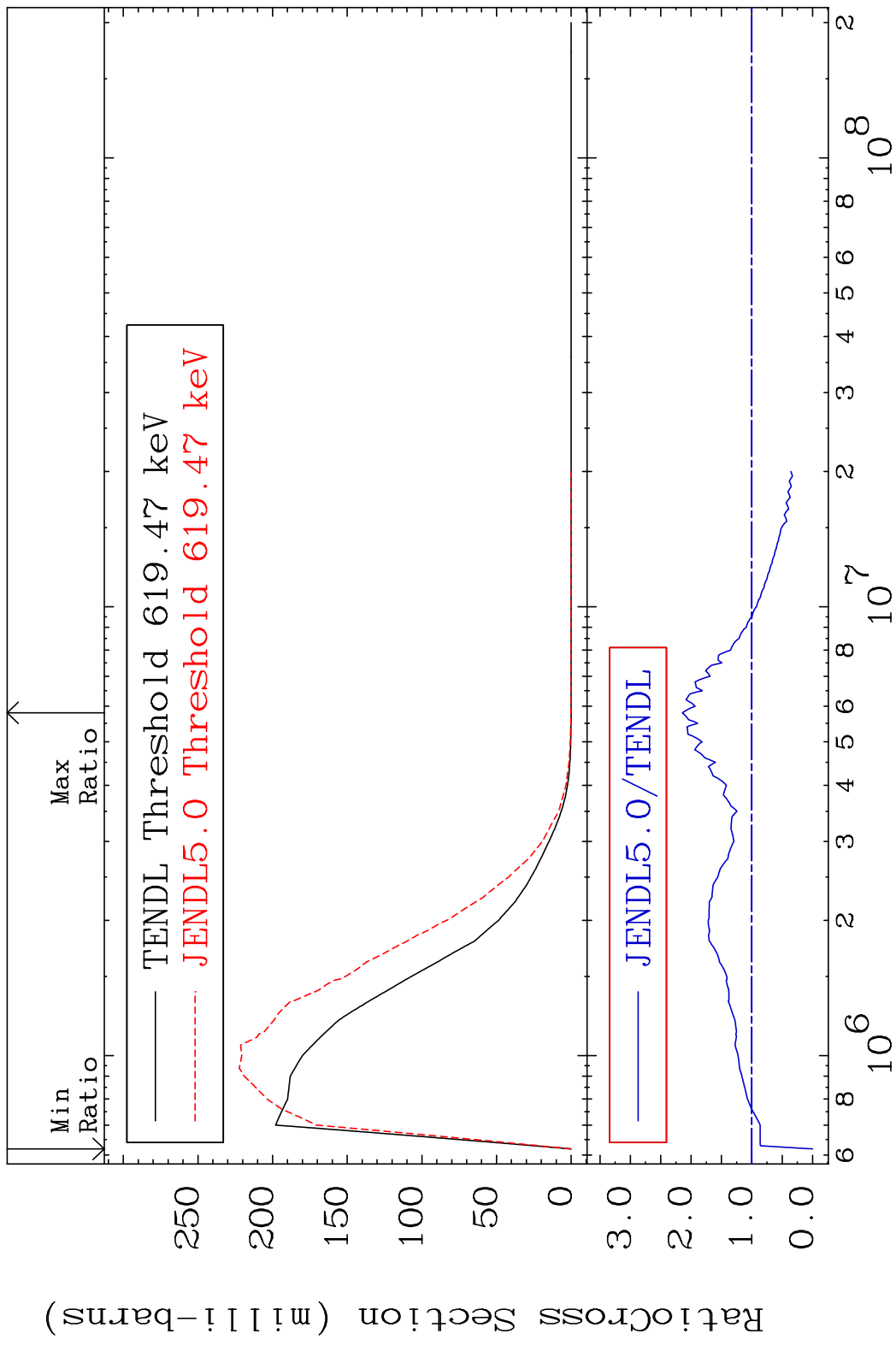
MAT 6425 (n,2n) p 64-Gd-152  
 Cross Section -100.0 To -10.48%



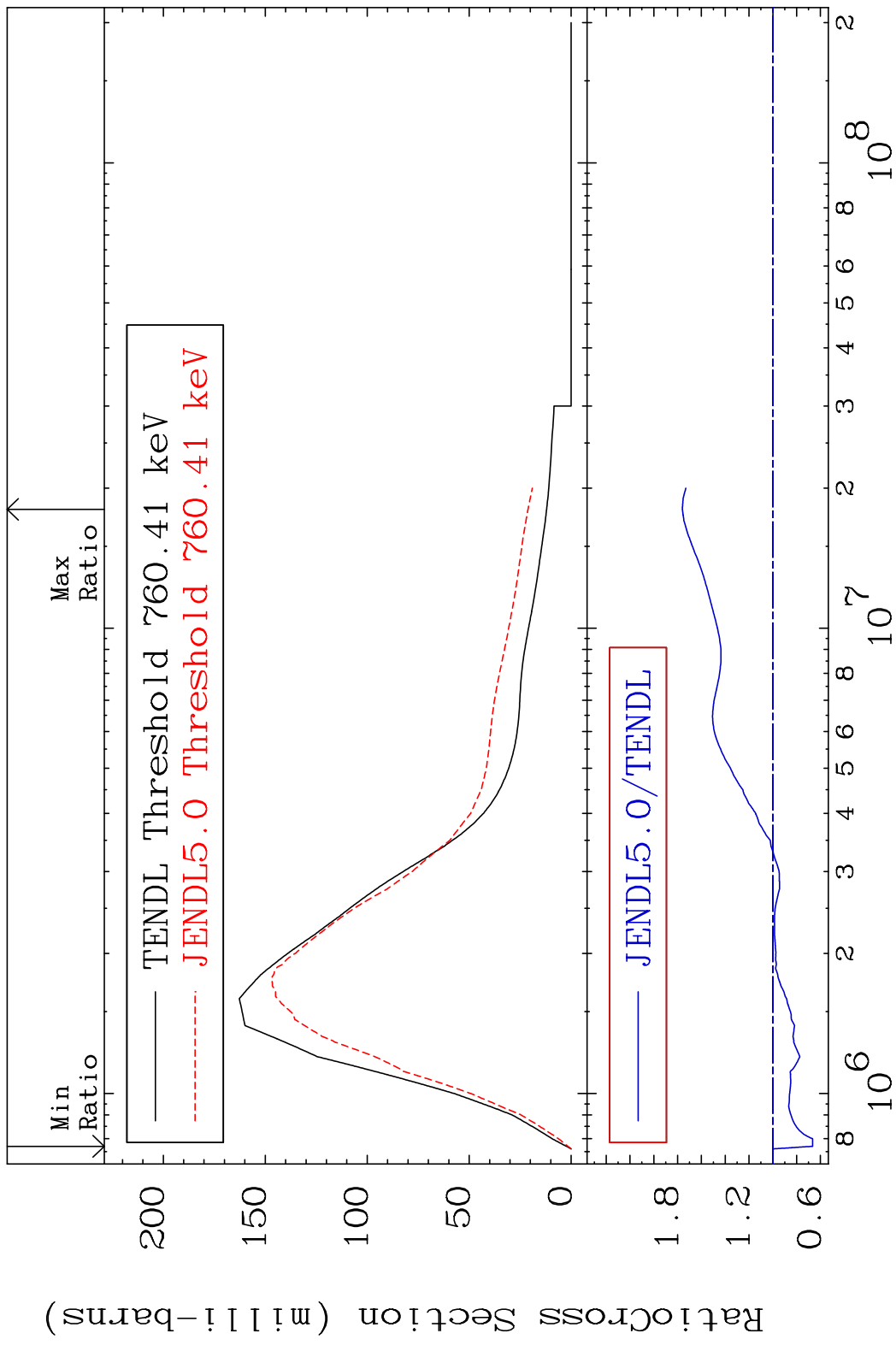
MAT 6425 MT= 51 (n, n') Level 64-Gd-152  
 Cross Section -100.0 To 47.51 %



MAT 6425 MT= 52 (n, n') Level 64-Gd-152  
 Cross Section -100.0 To 114.4 %



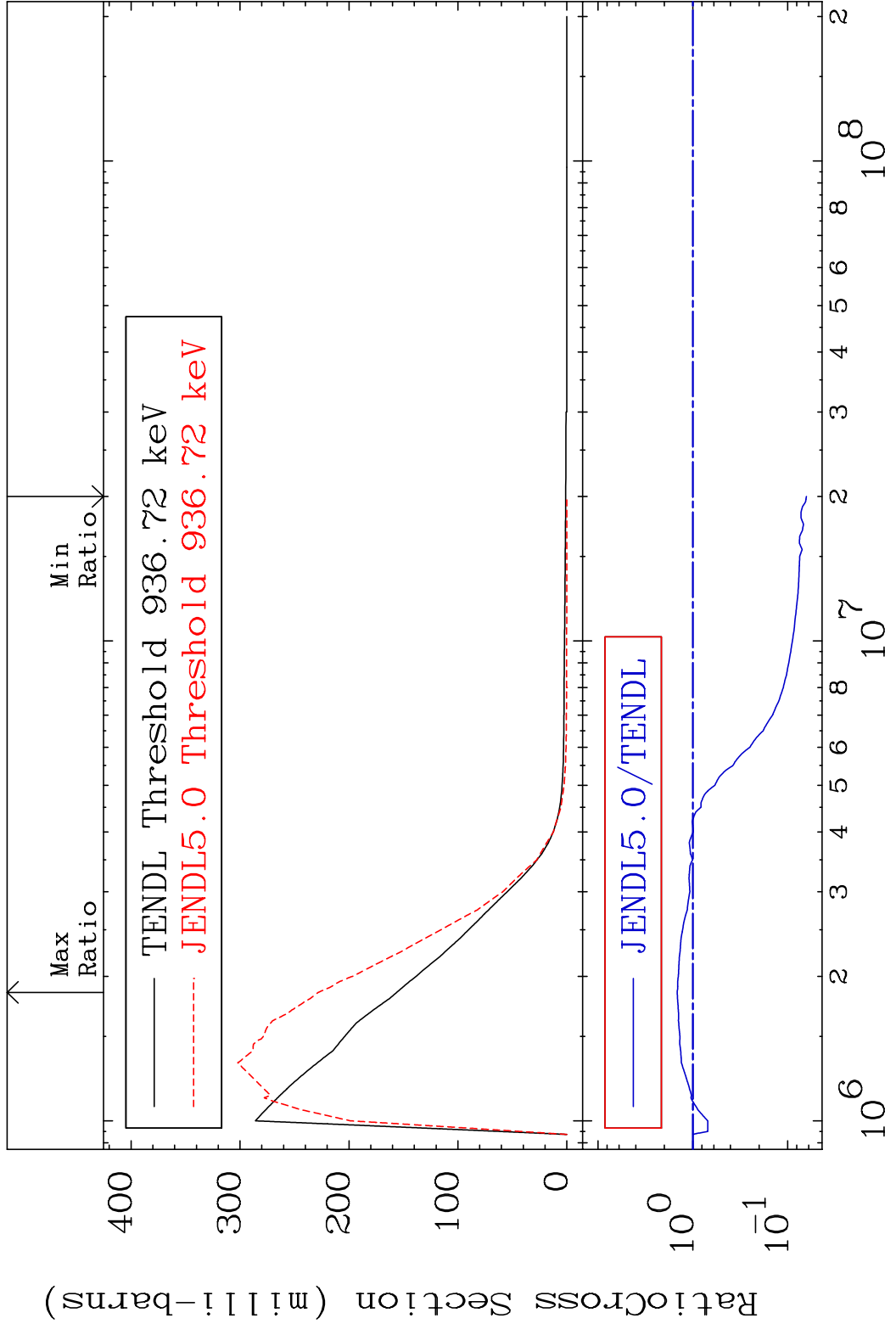
MAT 6425 MT= 53 (n, n') Level 64-Gd-152  
 Cross Section -33.38 To 76.00 %



15 Incident Energy (eV) 64-Gd-152

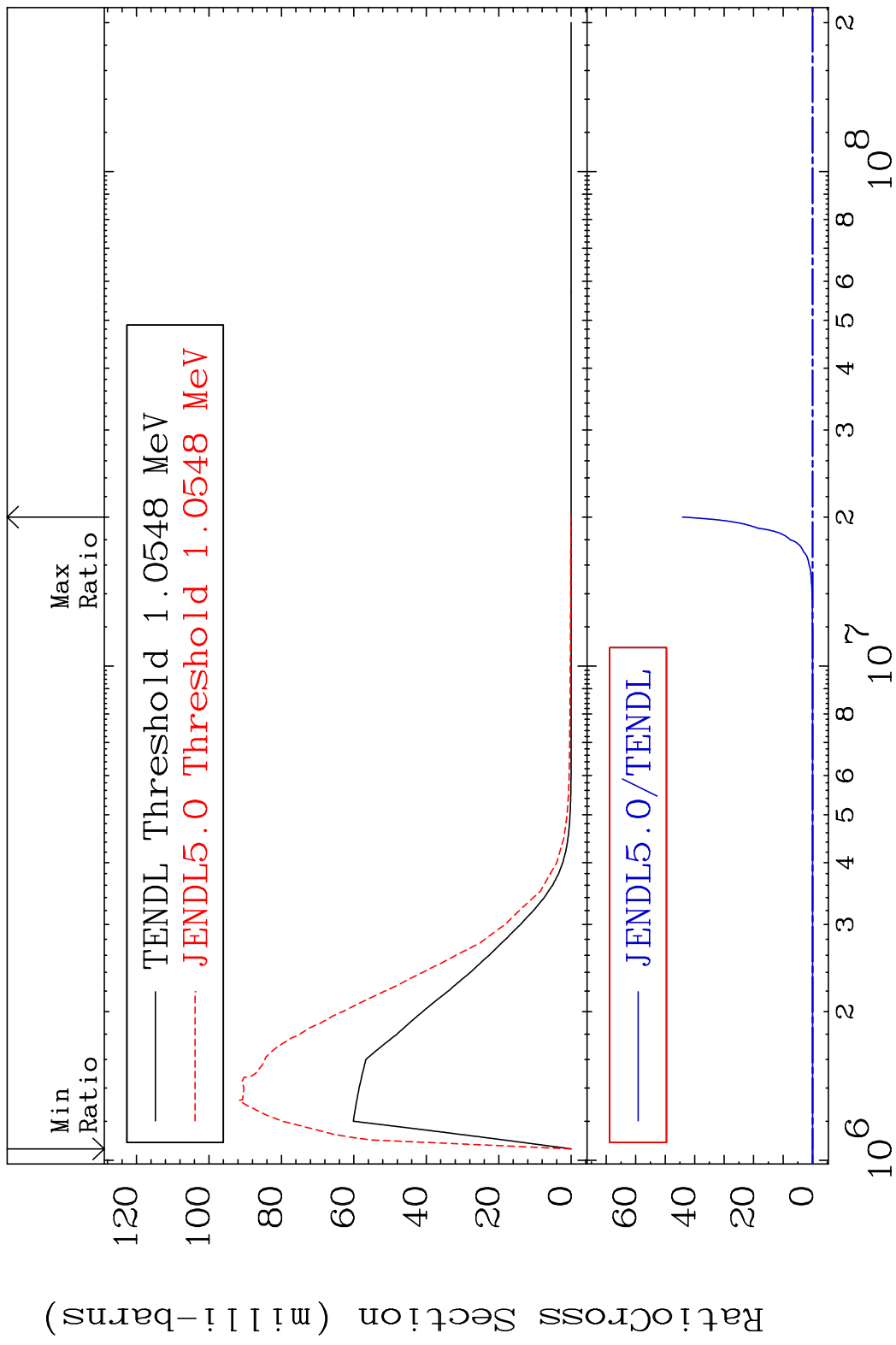


MAT 6425 MT= 54 (n, n') Level 64-Gd-152  
 Cross Section -93.67 To 46.06 %

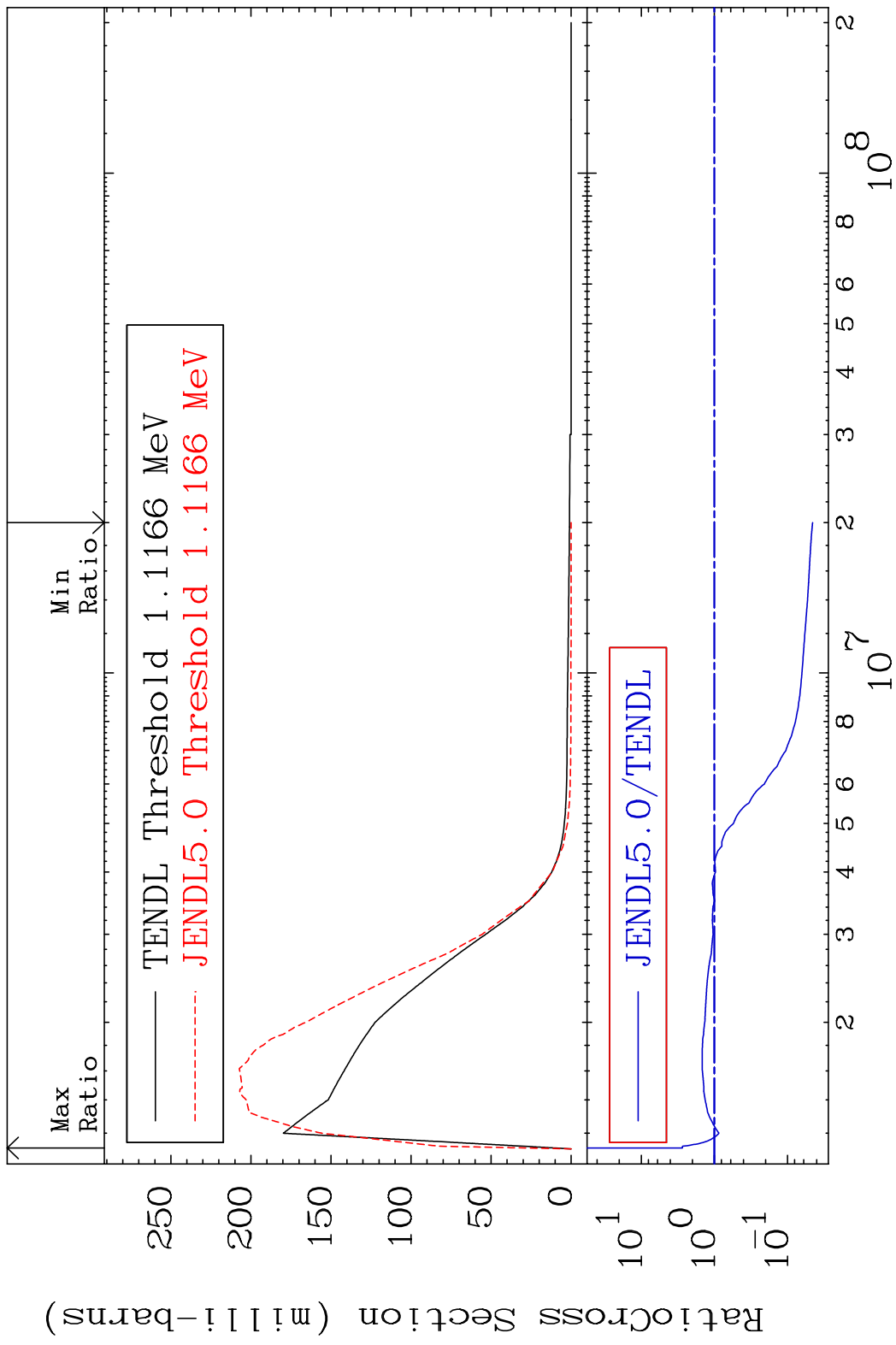


16 Incident Energy (eV) 64-Gd-152

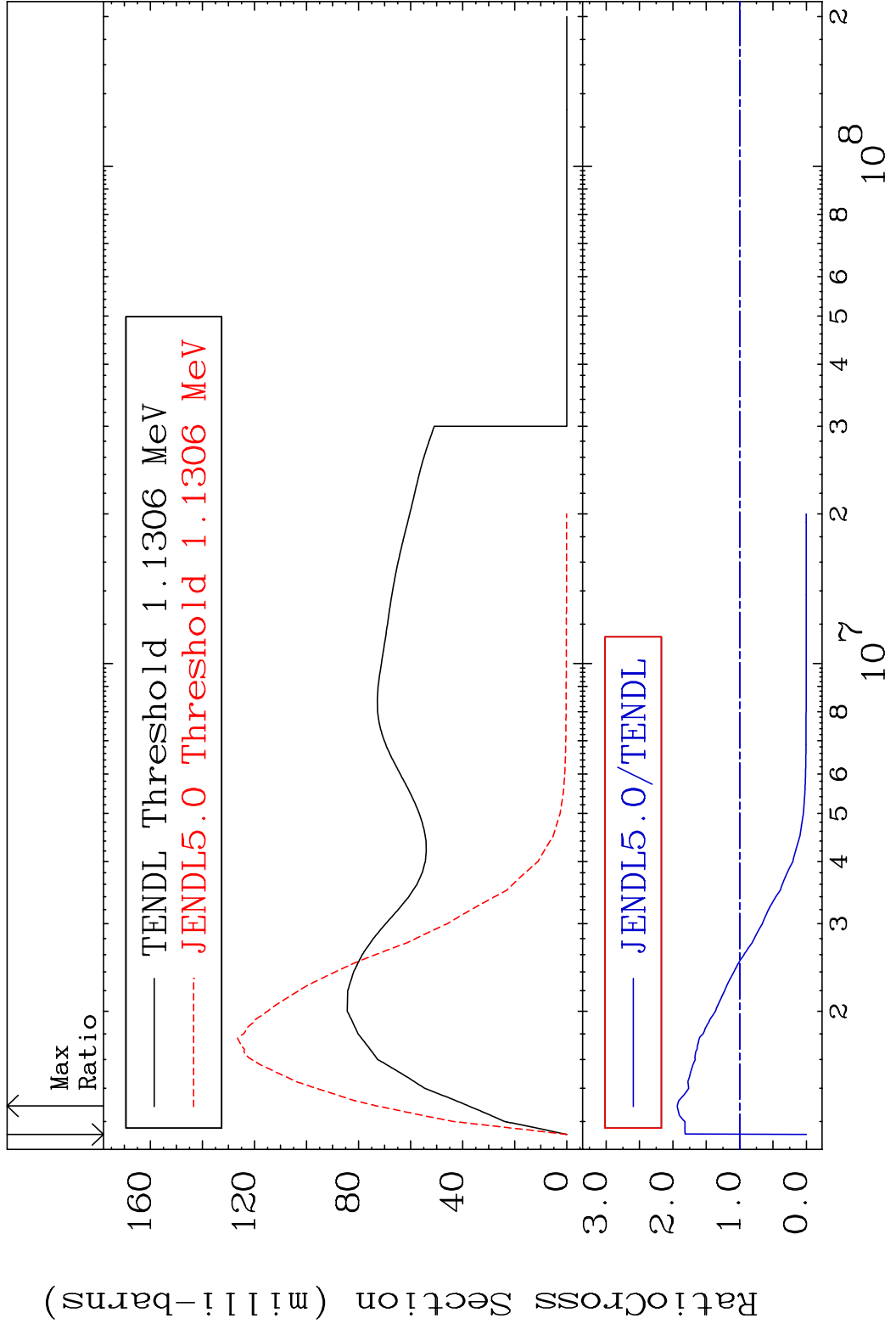
MAT 6425 MT= 55 (n, n') Level 64-Gd-152  
 Cross Section -100.0 To 9999. %



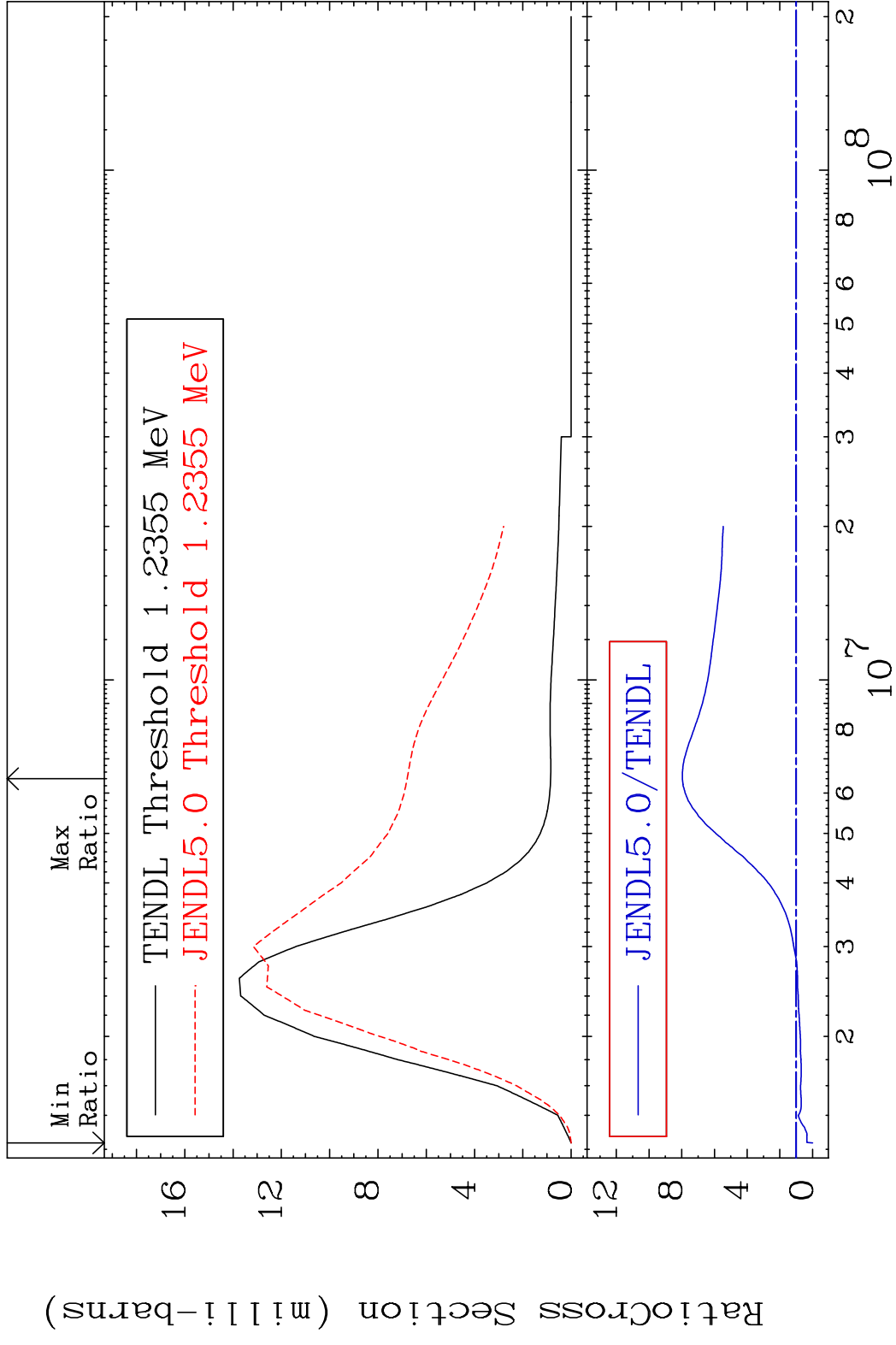
MAT 6425 MT= 56 (n, n') Level 64-Gd-152  
 Cross Section -95.45 To 174.1 %



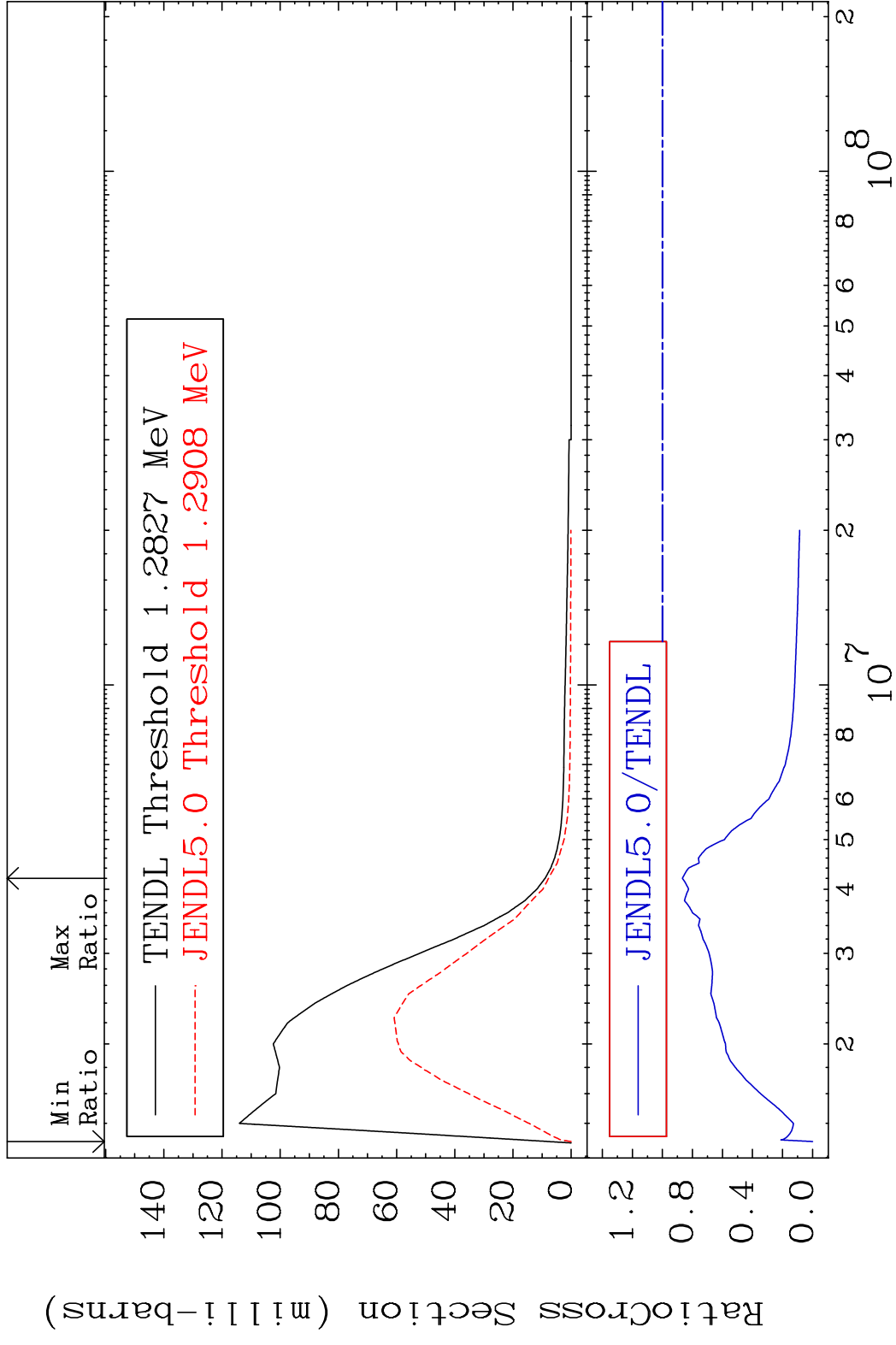
MAT 6425 MT= 57 (n, n') Level 64-Gd-152  
 Cross Section -100.0 To 93.56 %



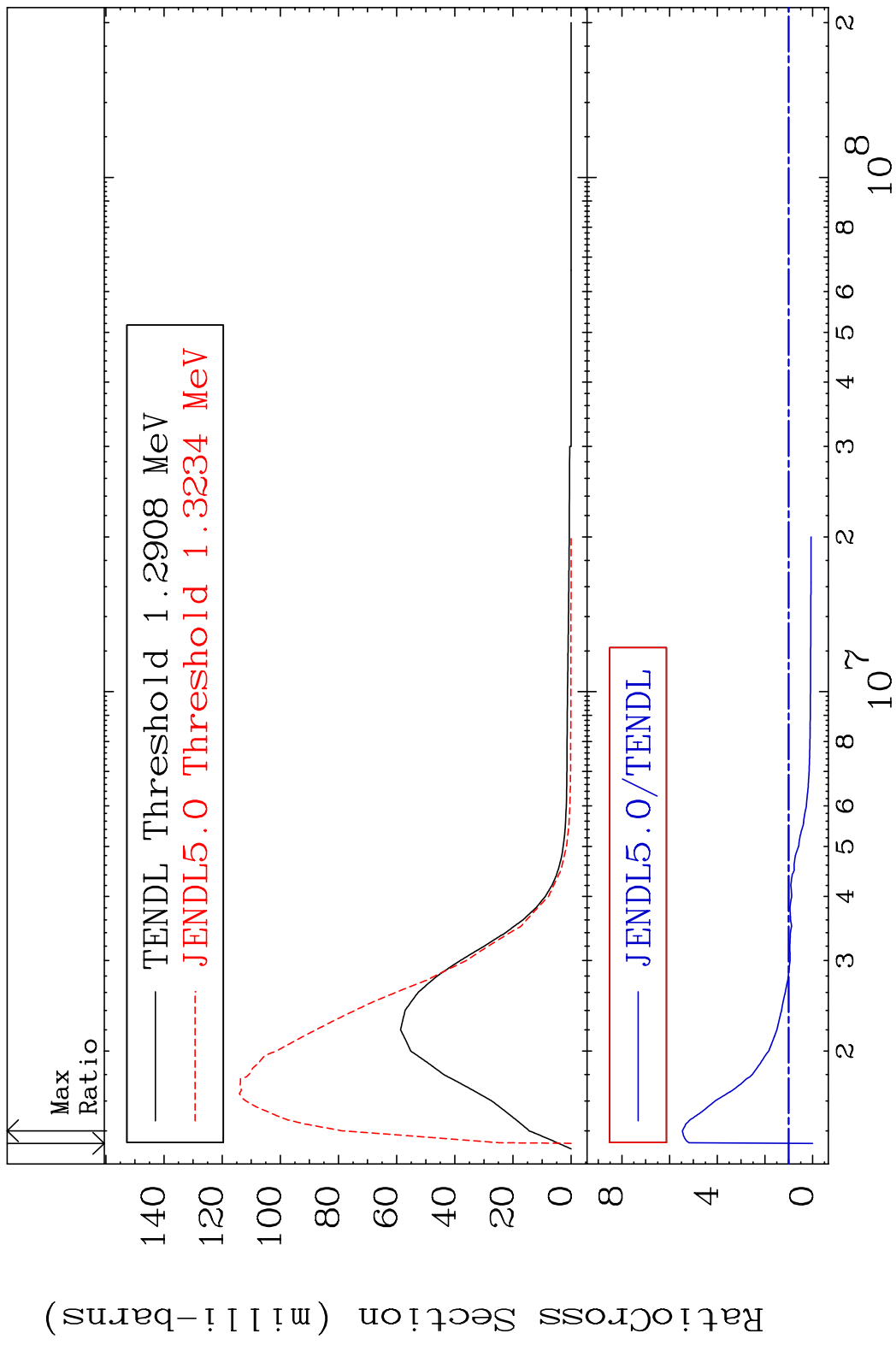
MAT 6425 MT= 58 (n,n') Level 64-Gd-152  
 Cross Section -100.0 To 696.3 %



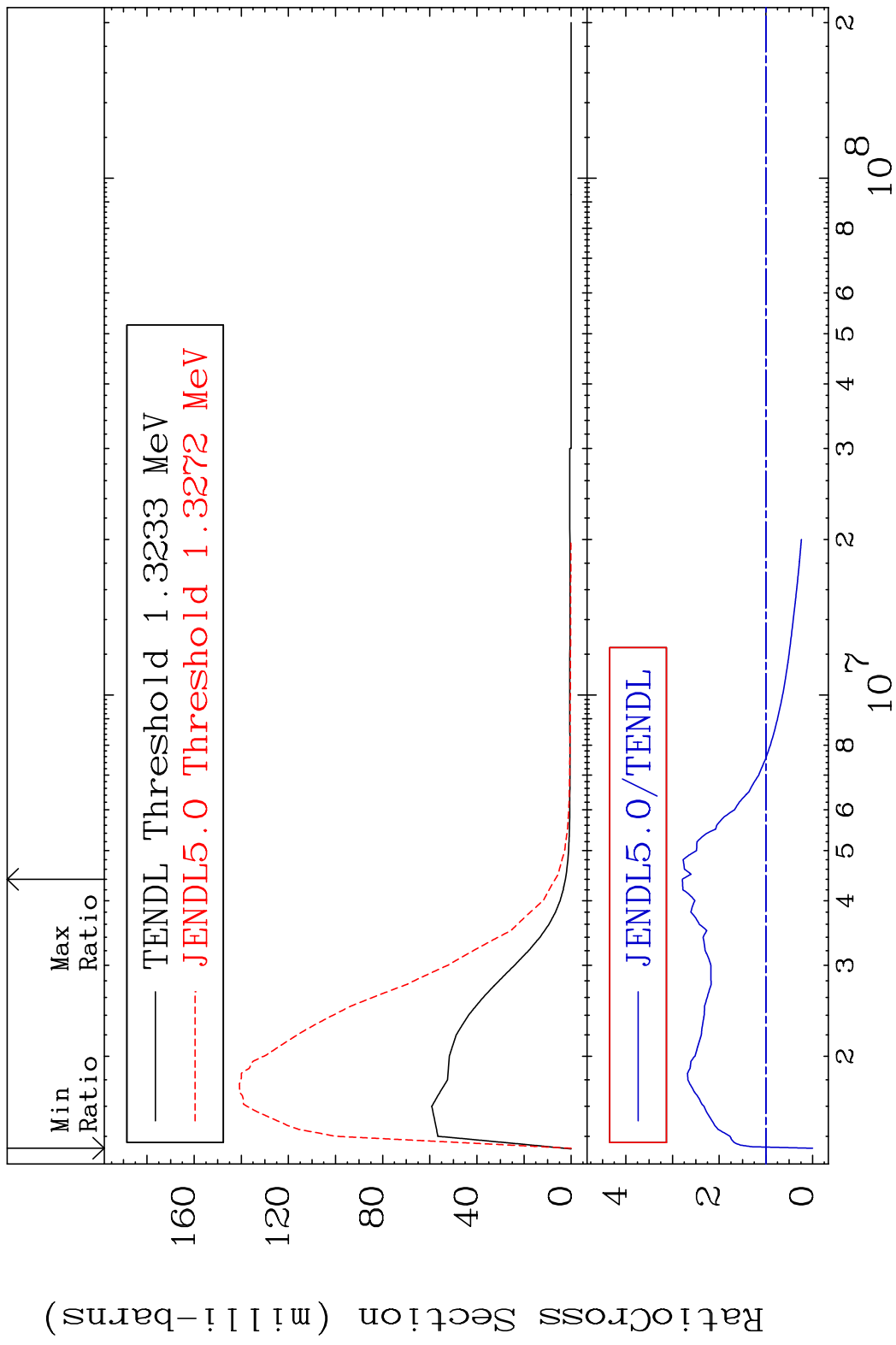
MAT 6425 MT= 59 (n,n') Level 64-Gd-152  
 Cross Section -100.0 To -13.27%



MAT 6425 MT= 60 (n, n') Level 64-Gd-152  
 Cross Section -100.0 To 446.5 %

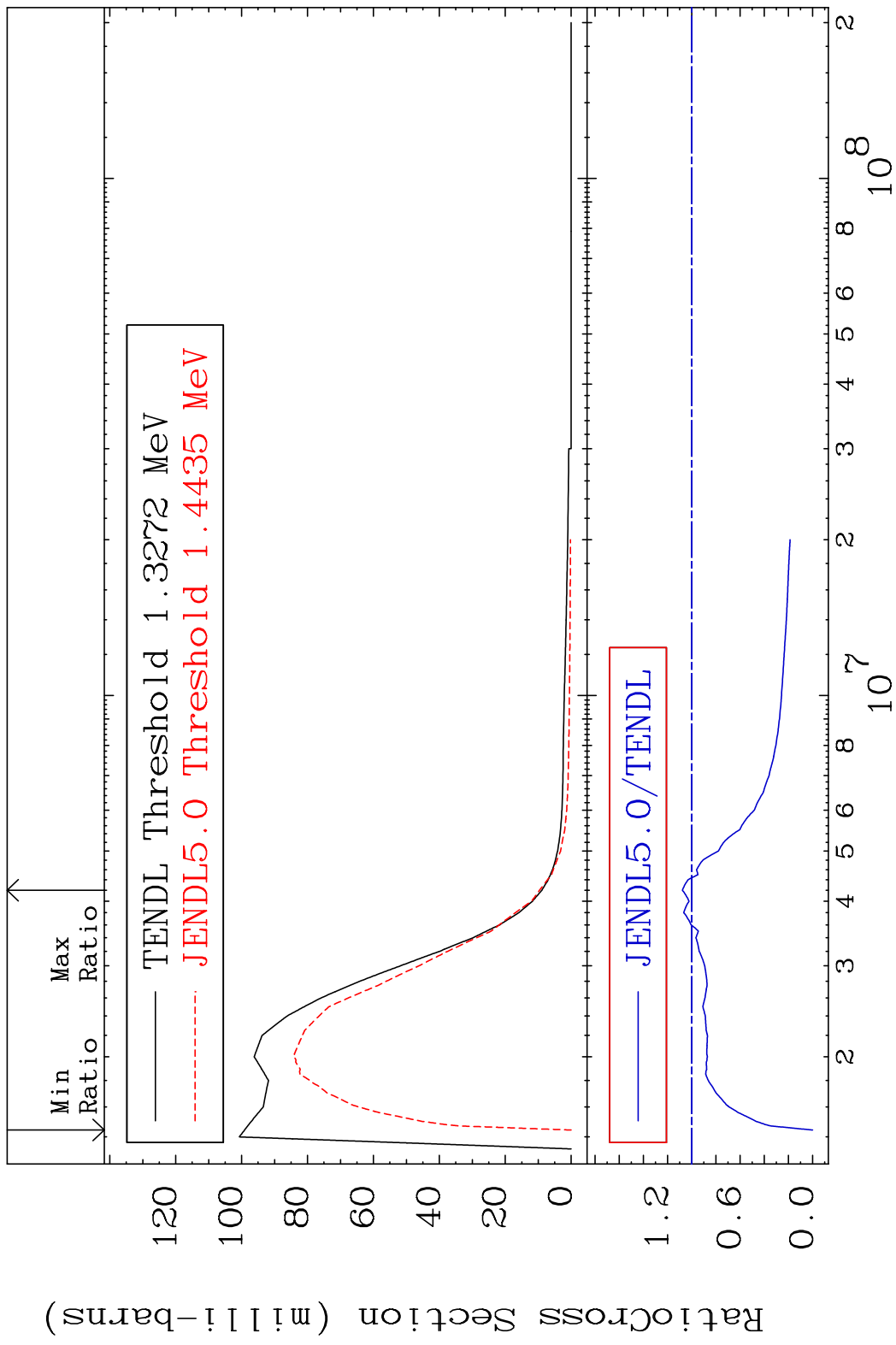


MAT 6425 MT= 61 (n, n') Level 64-Gd-152  
 Cross Section -100.0 To 178.9 %

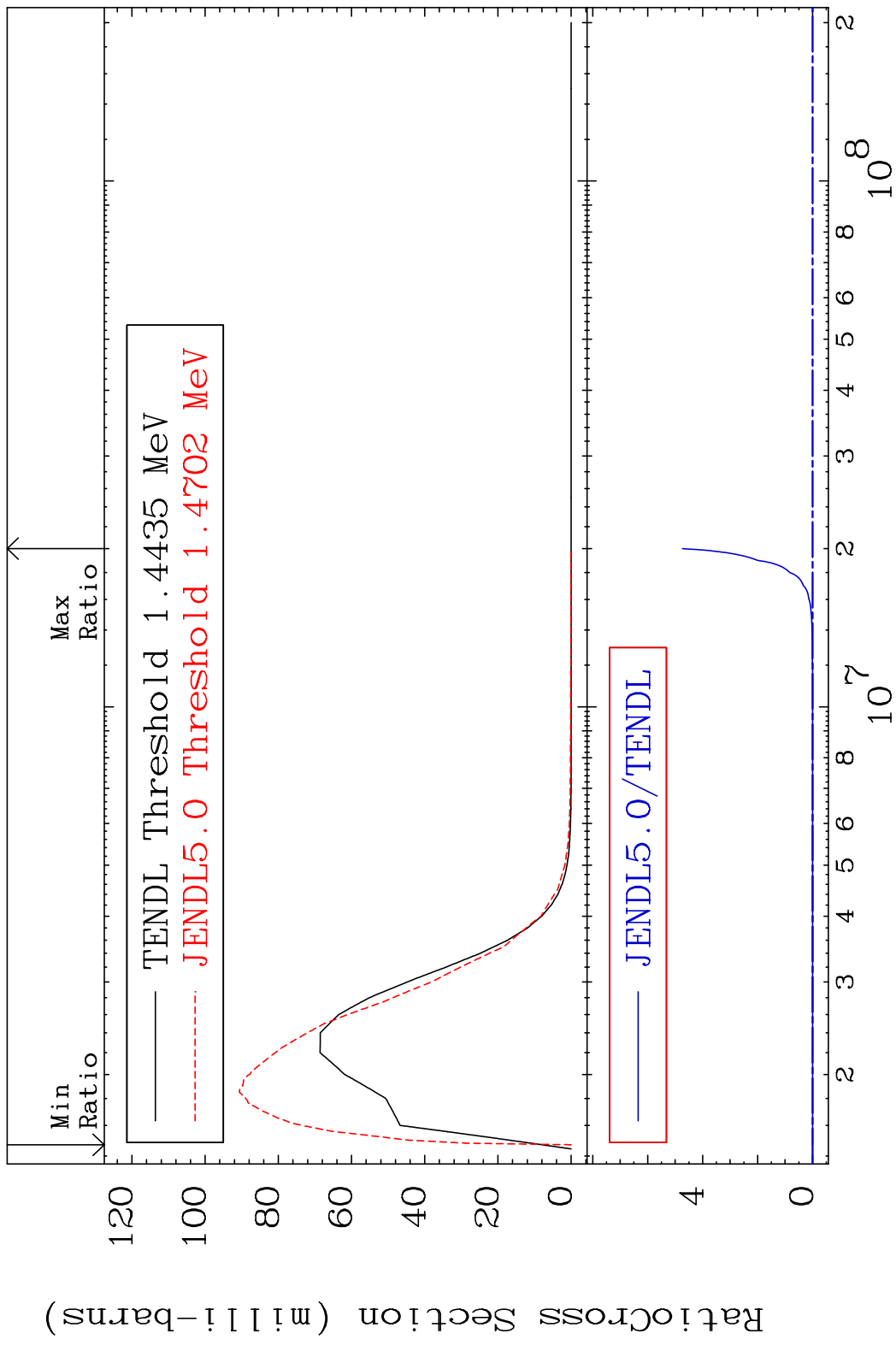




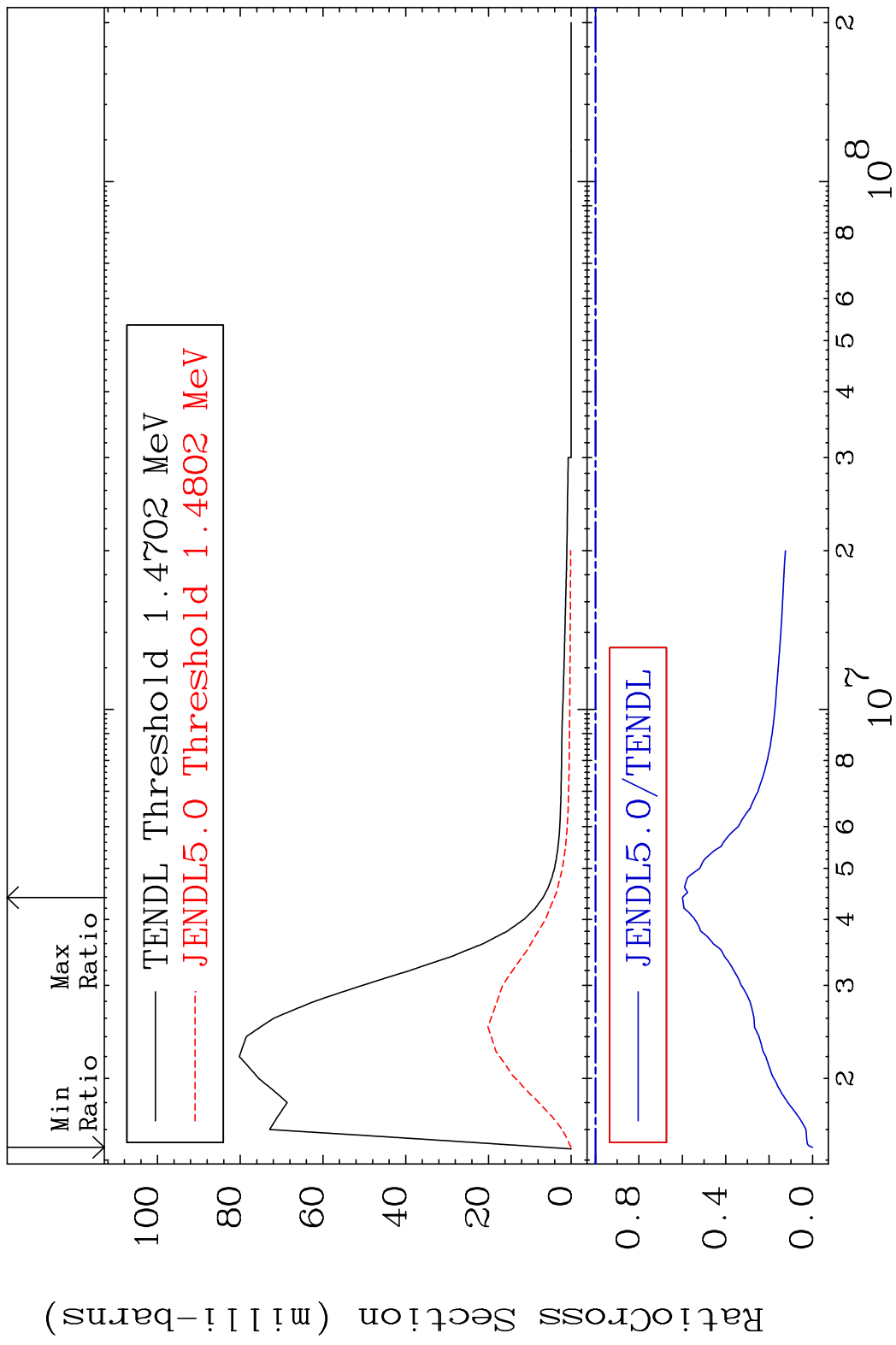
MAT 6425 MT= 62 (n,n') Level 64-Gd-152  
 Cross Section -100.0 To 7.720 %



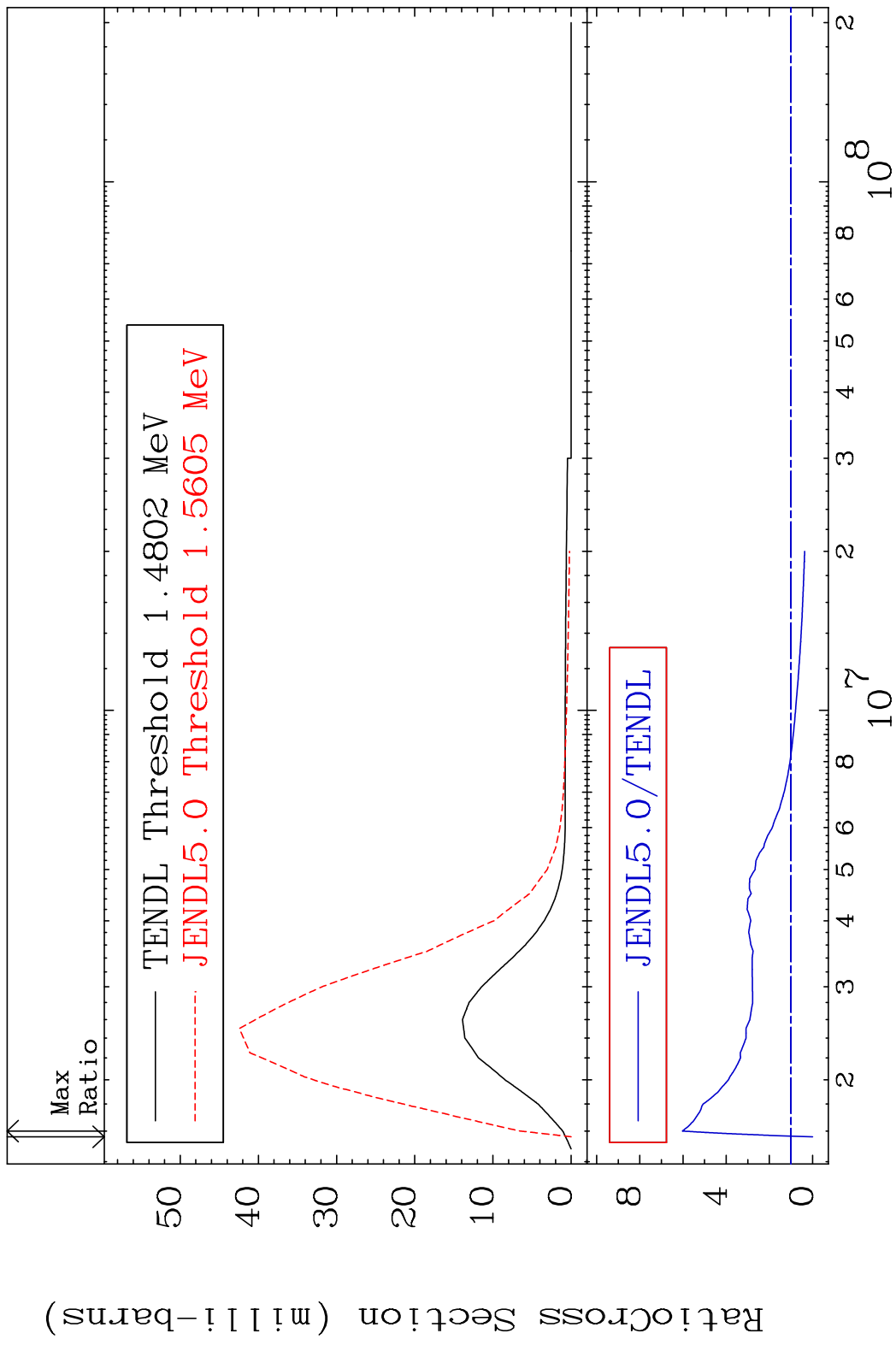
MAT 6425 MT= 63 (n, n') Level 64-Gd-152  
 Cross Section -100.0 To 9999. %



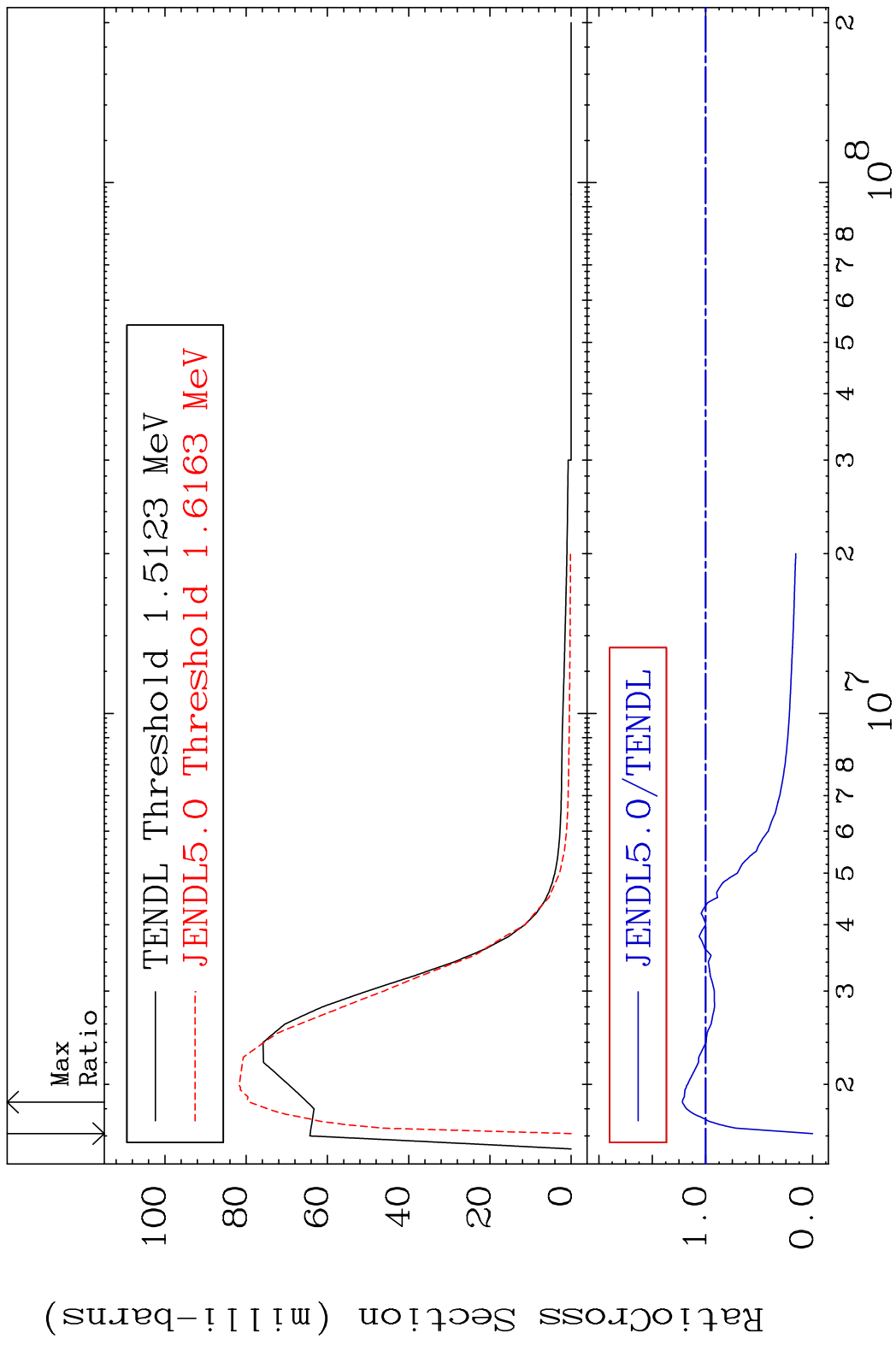
MAT 6425 MT= 64 (n,n') Level 64-Gd-152  
 Cross Section -100.0 To -40.03%



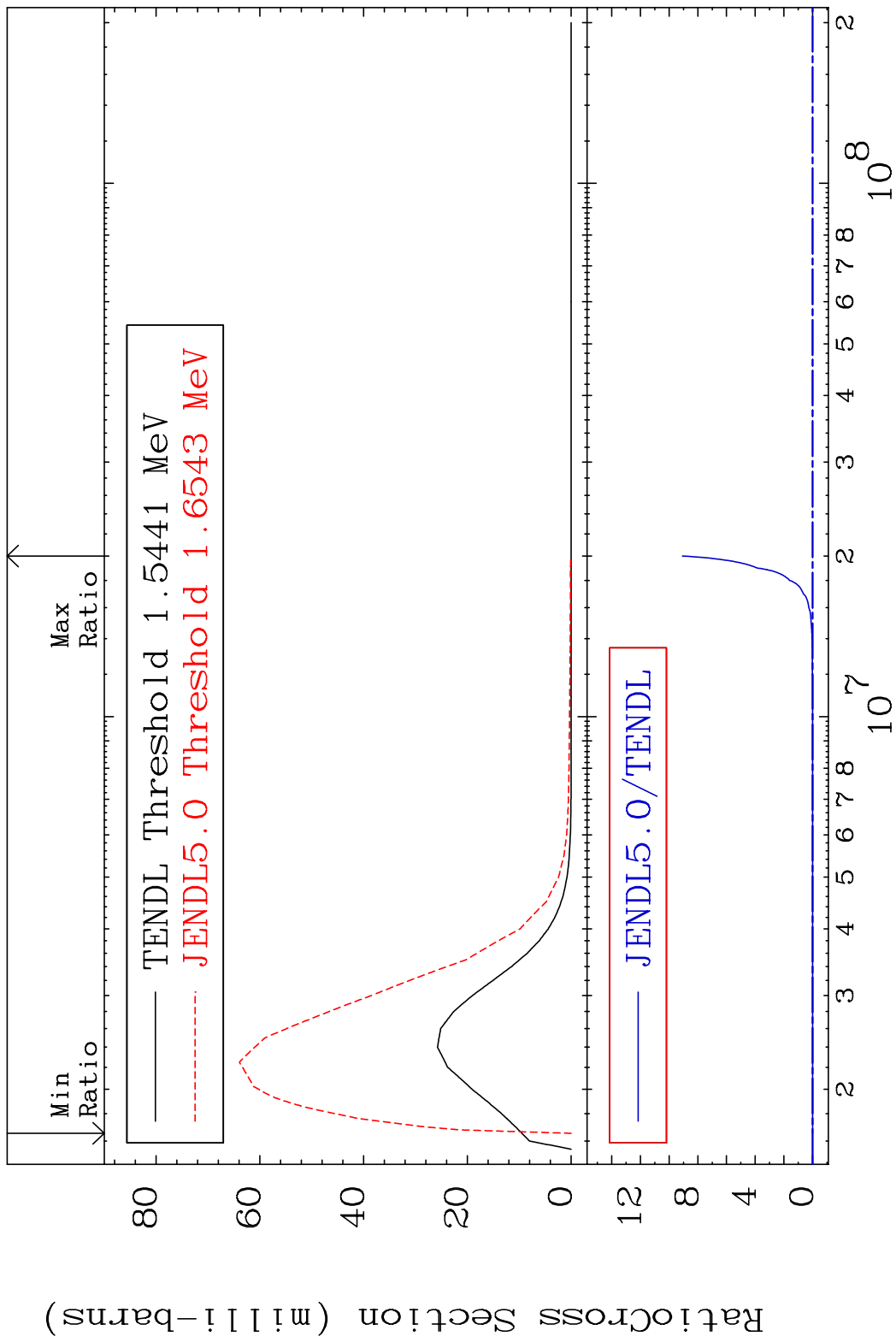
MAT 6425 MT= 65 (n,n') Level 64-Gd-152  
 Cross Section -100.0 To 503.0 %



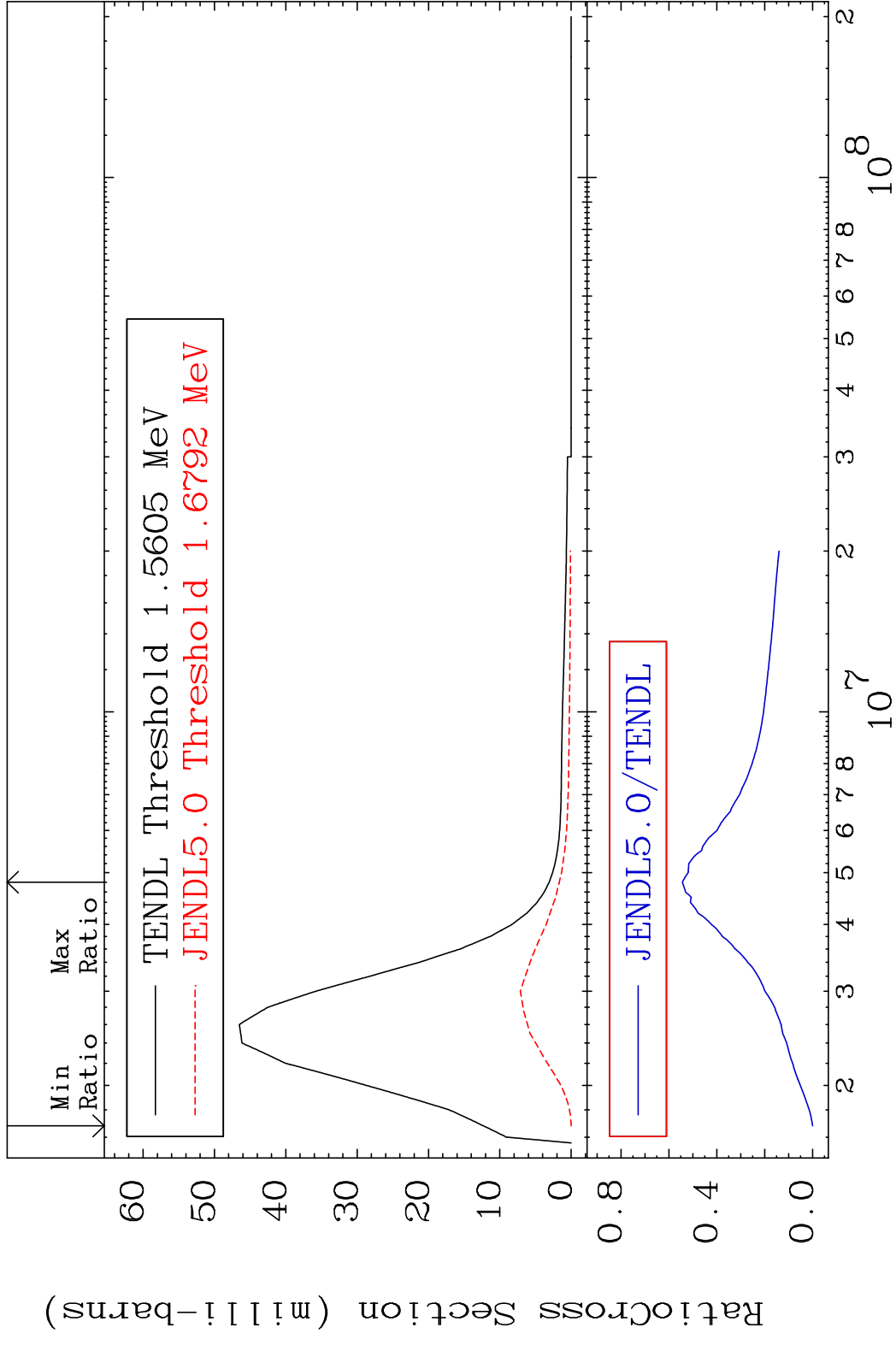
MAT 6425 MT= 66 (n,n') Level 64-Gd-152  
 Cross Section -100.0 To 21.88 %



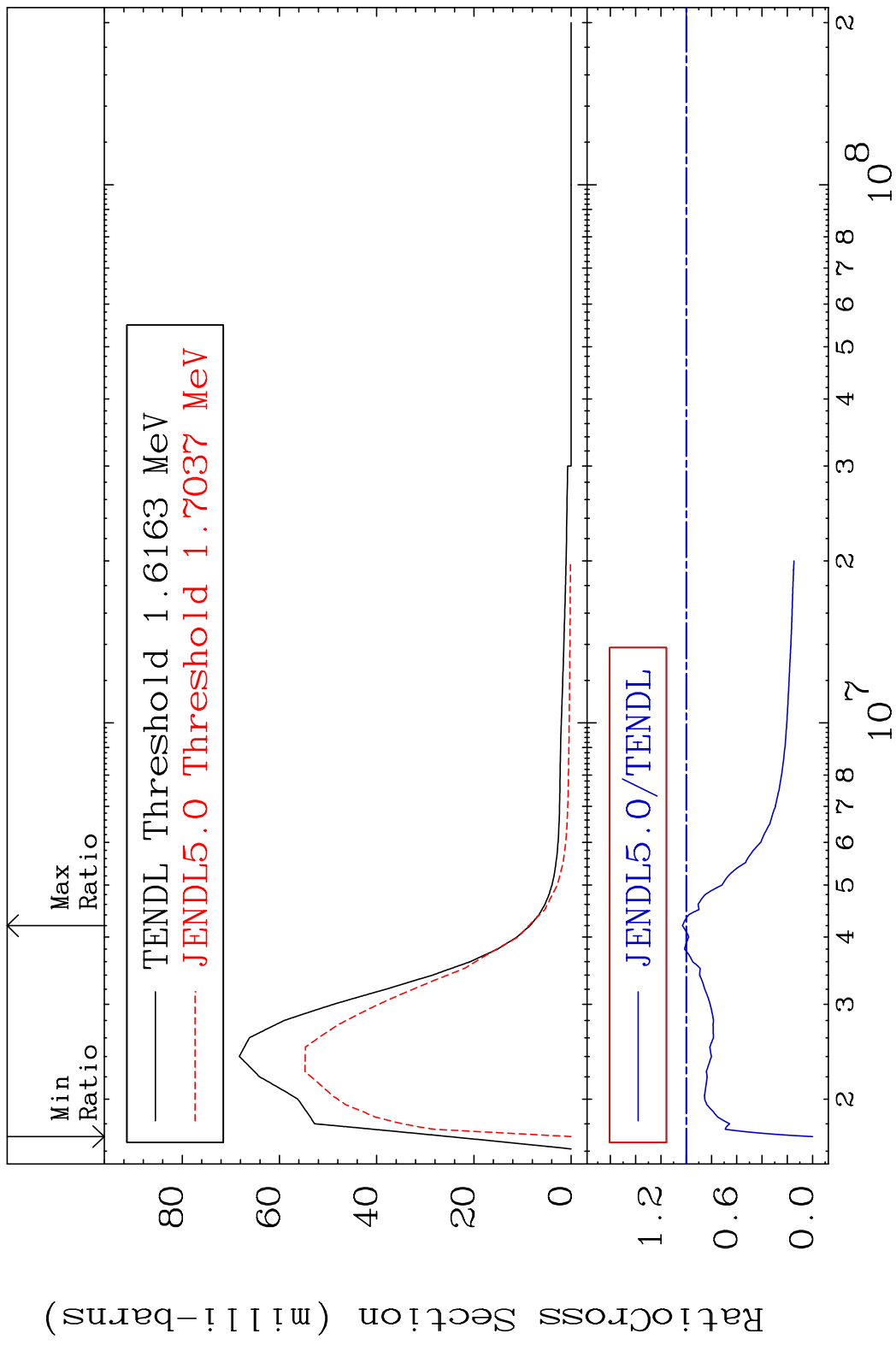
MAT 6425 MT= 67 (n, n') Level 64-Gd-152  
 Cross Section -100.0 To 9999. %



MAT 6425 MT= 68 (n,n') Level 64-Gd-152  
 Cross Section -100.0 To -45.62%

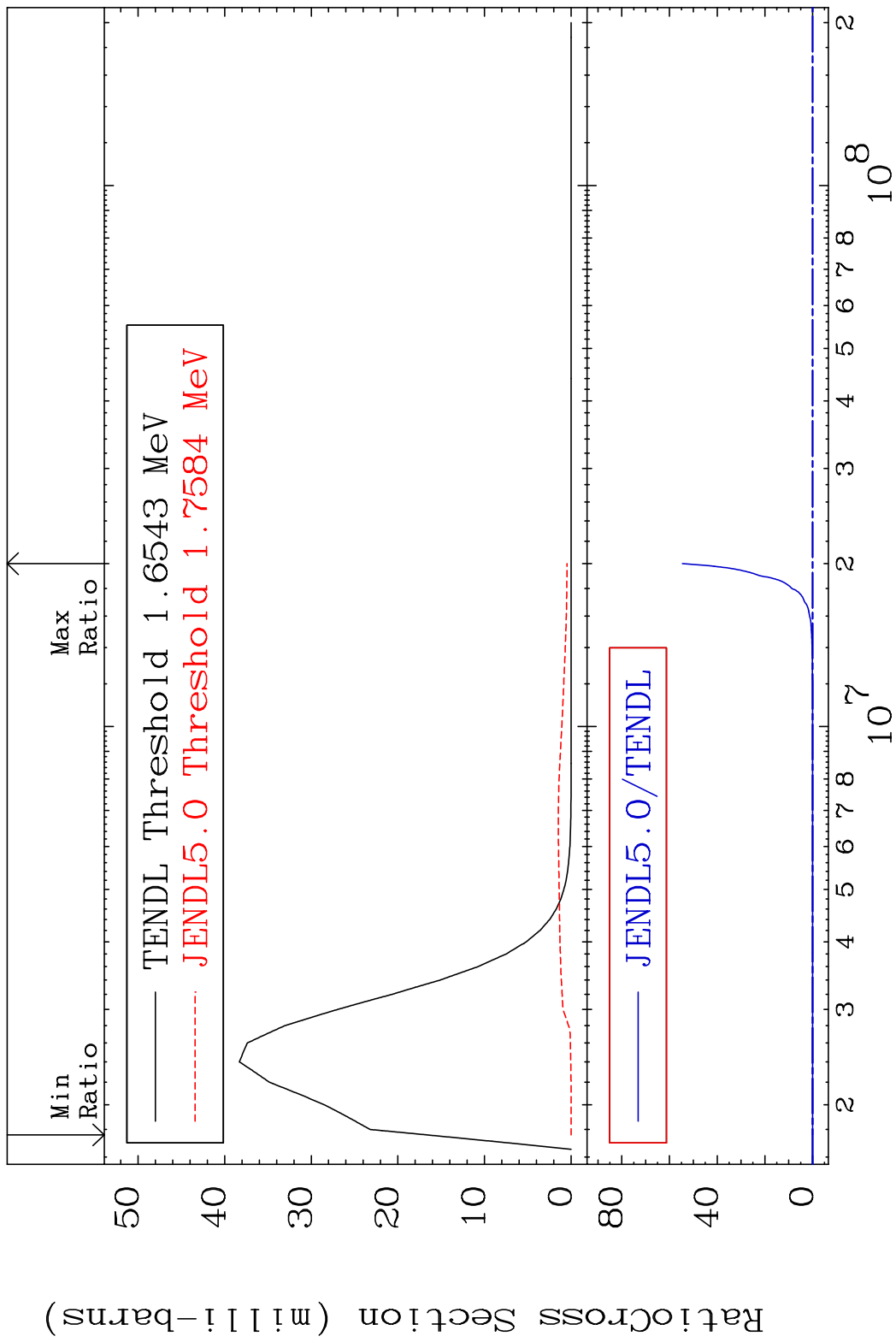


MAT 6425 MT= 69 (n,n') Level 64-Gd-152  
 Cross Section -100.0 To 3.067 %

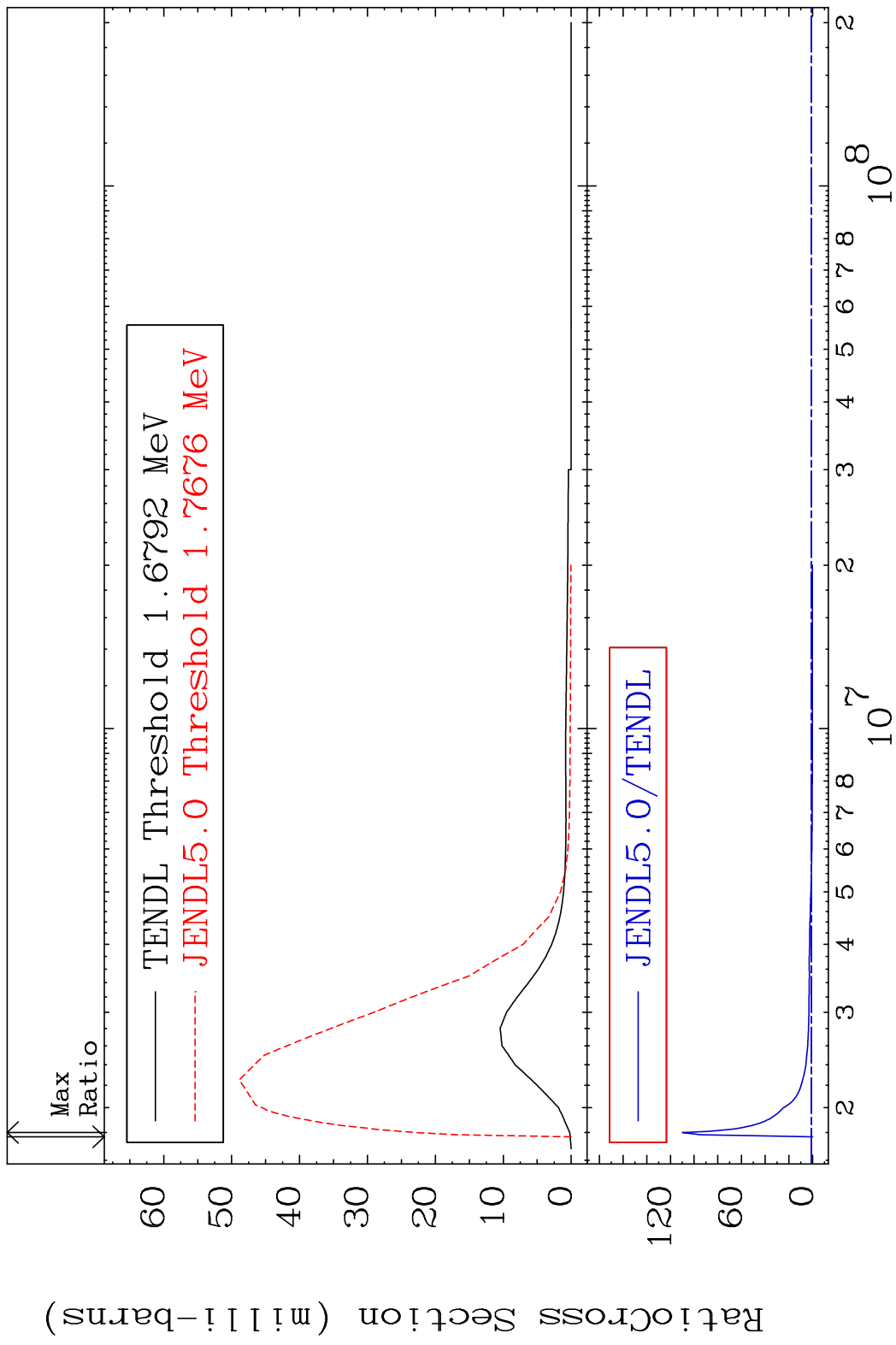




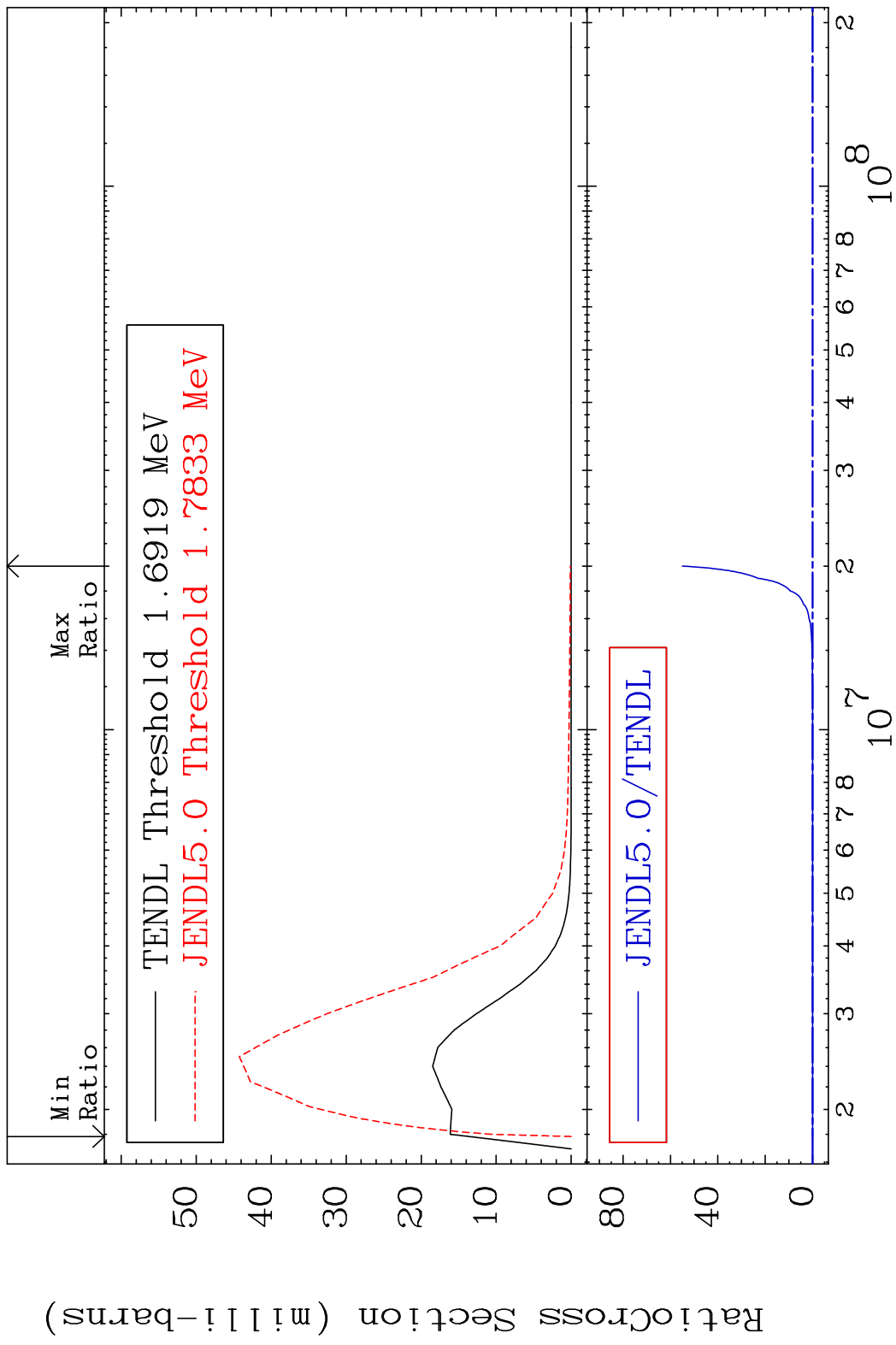
MAT 6425 MT= 70 (n, n') Level 64-Gd-152  
 Cross Section -100.0 To 9999. %



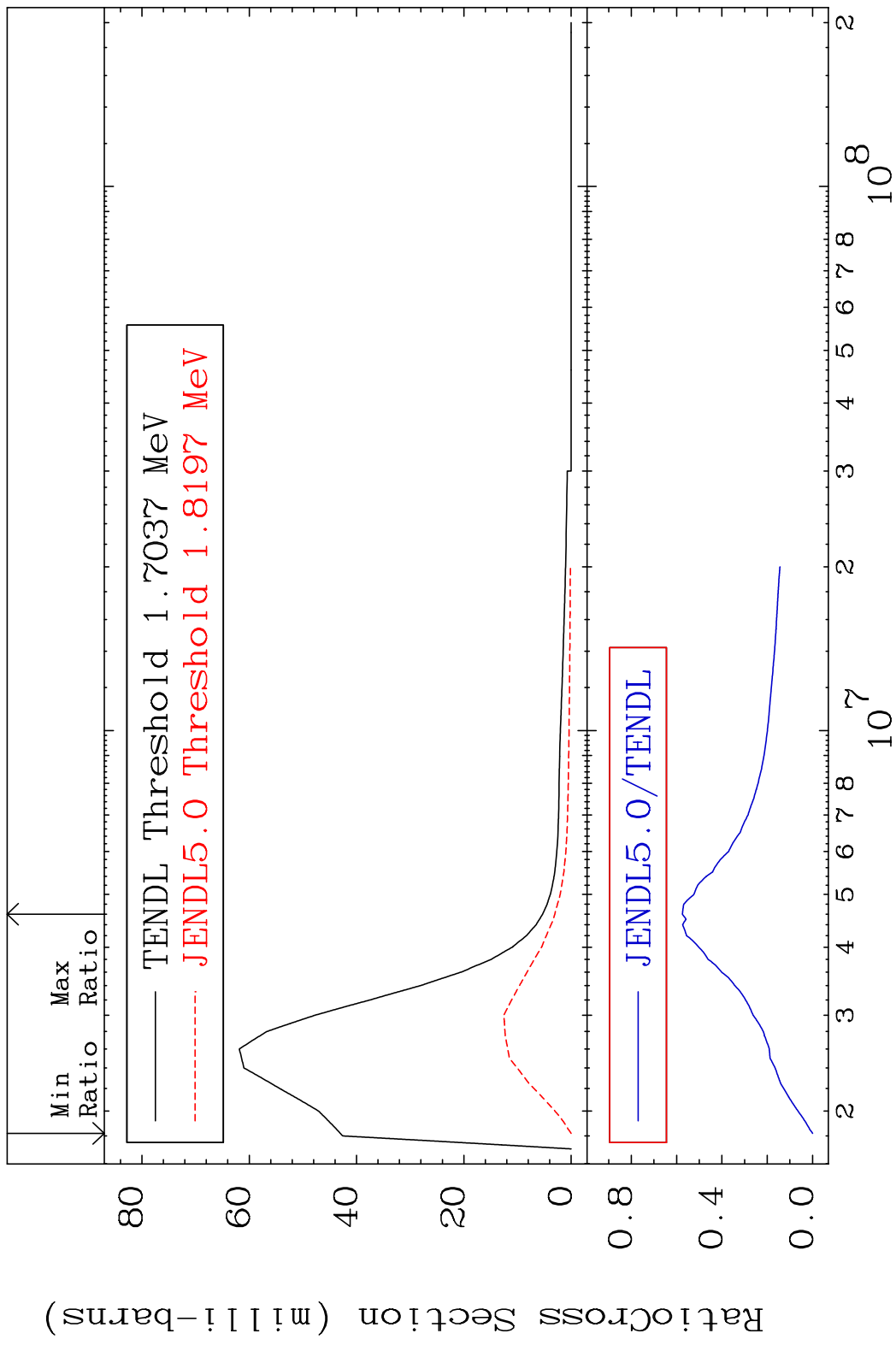
MAT 6425 MT= 71 (n,n') Level 64-Gd-152  
 Cross Section -100.0 To 9999. %



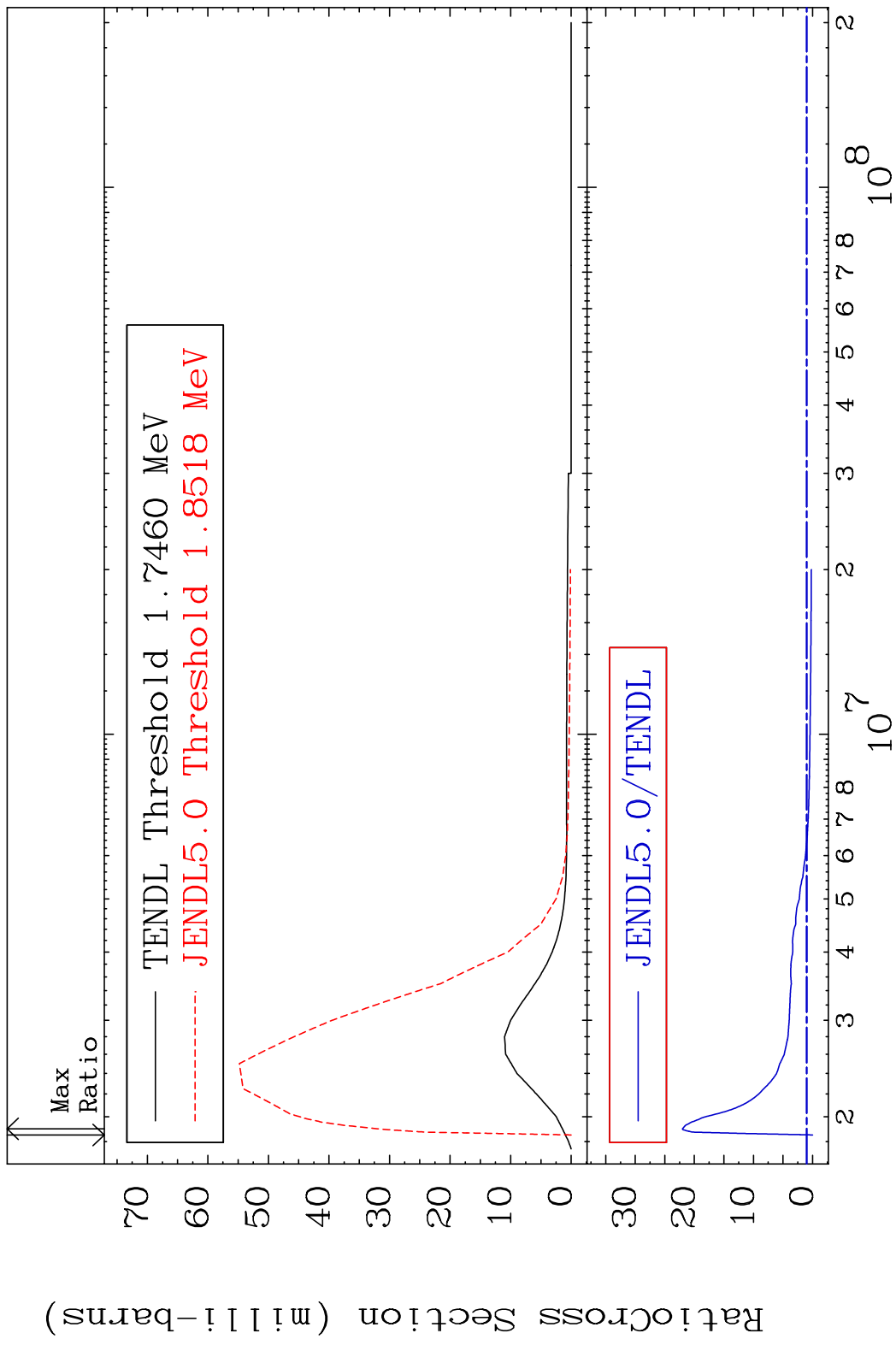
MAT 6425 MT= 72 (n, n') Level 64-Gd-152  
 Cross Section -100.0 To 9999. %



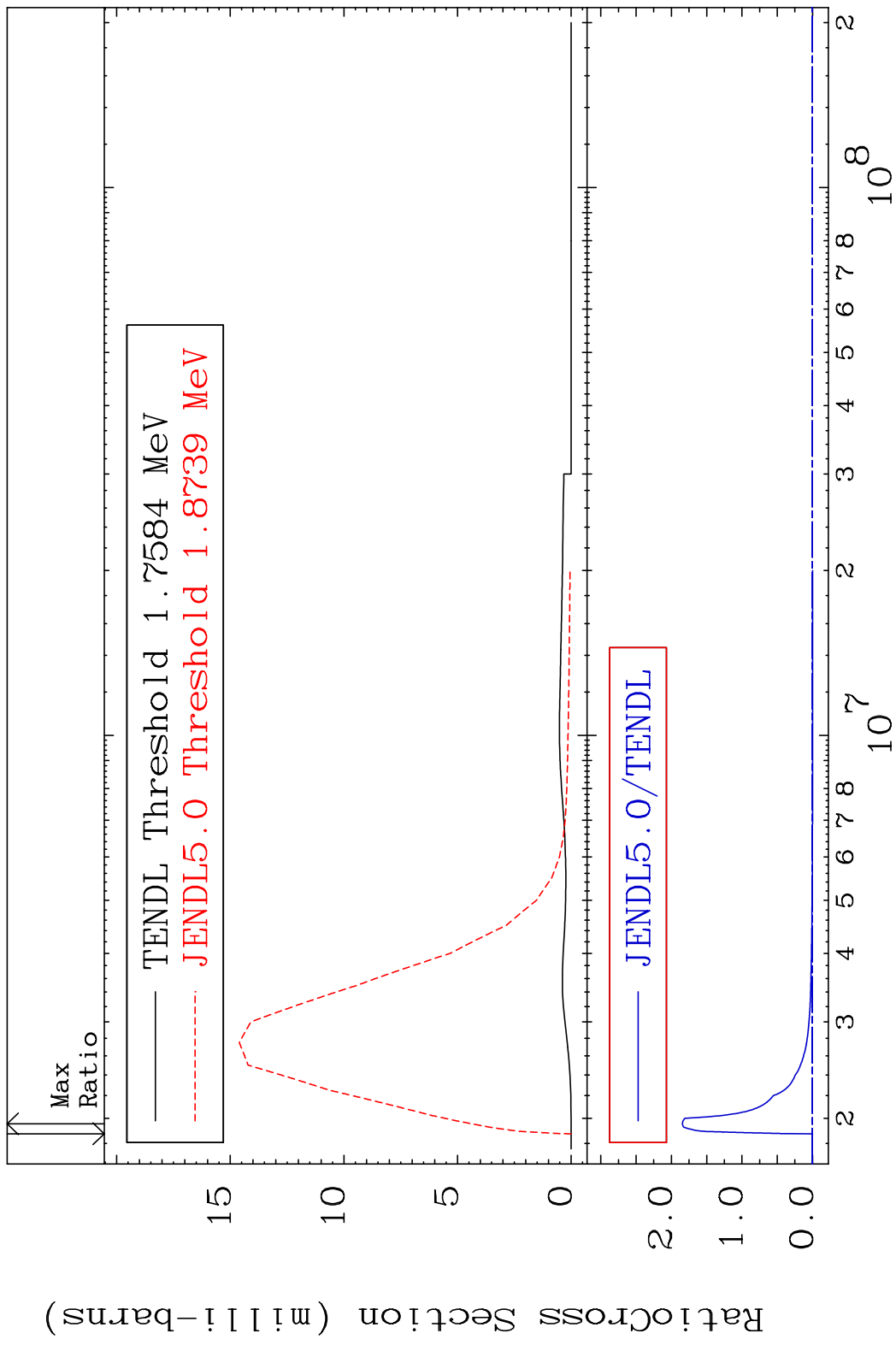
MAT 6425 MT= 73 (n, n') Level 64-Gd-152  
 Cross Section -100.0 To -42.52%



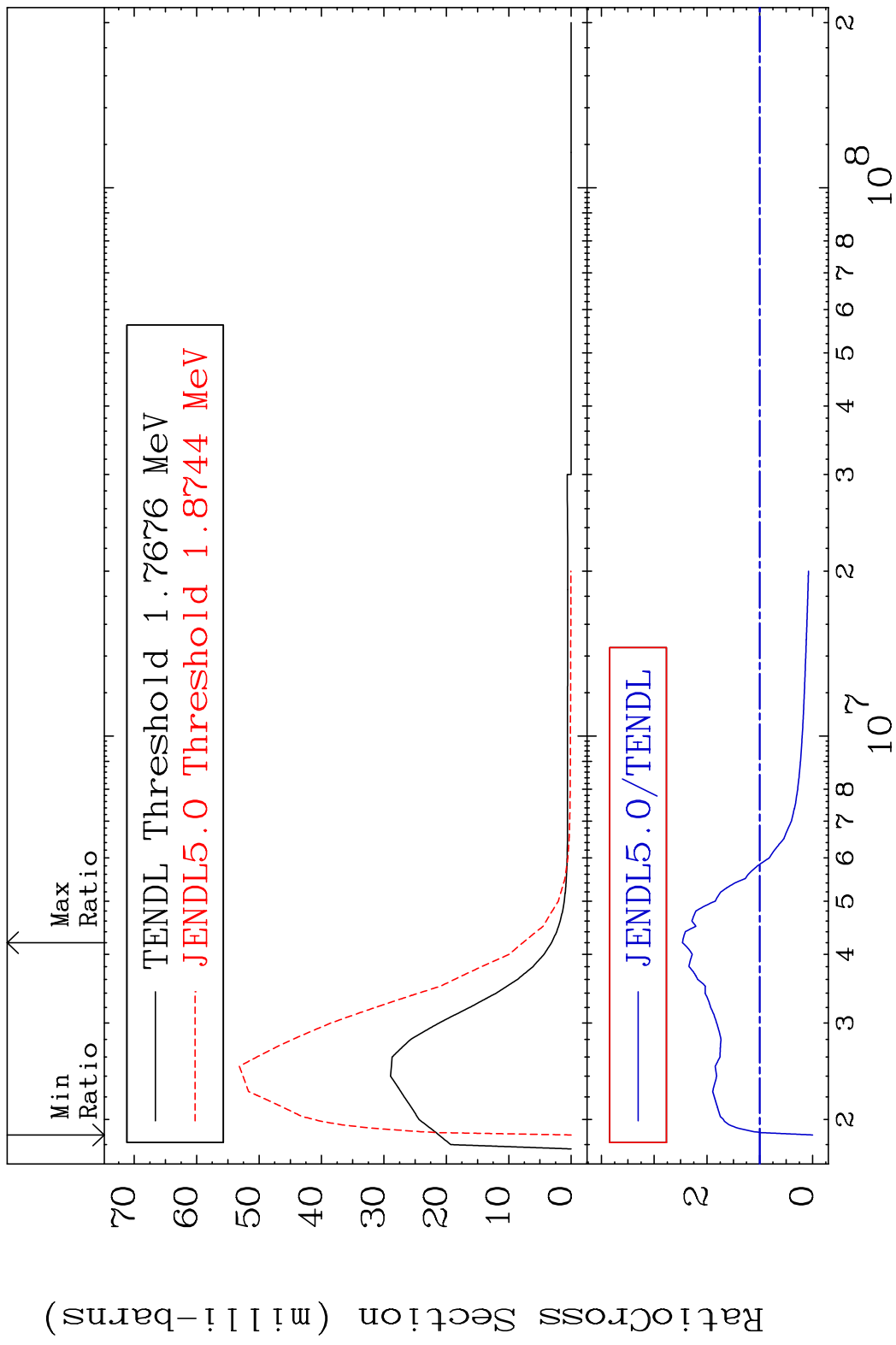
MAT 6425 MT= 74 (n, n') Level 64-Gd-152  
 Cross Section -100.0 To 2103. %



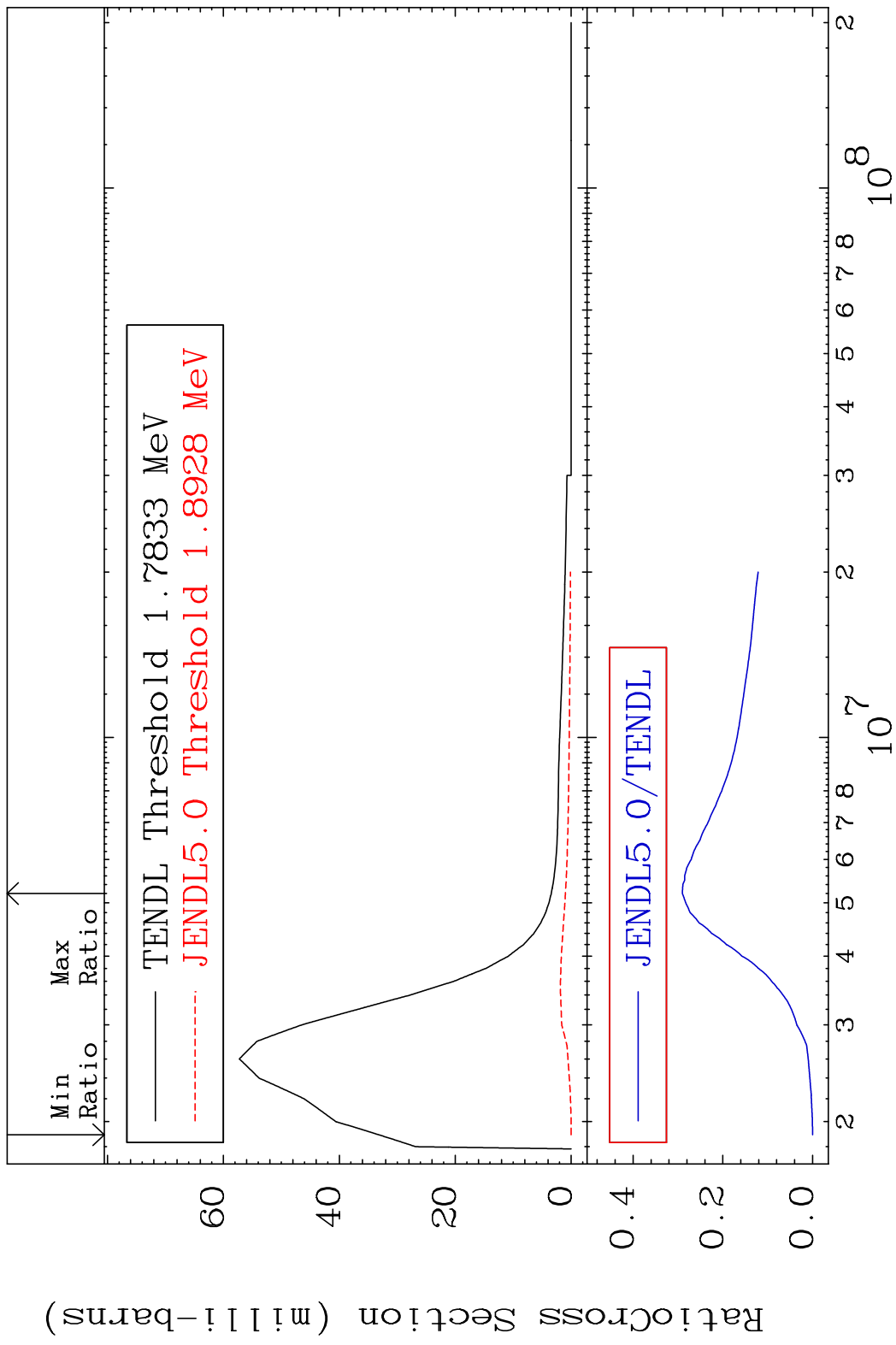
MAT 6425 MT= 75 (n,n') Level 64-Gd-152  
 Cross Section -100.0 To 9999. %



MAT 6425 MT= 76 (n,n') Level 64-Gd-152  
 Cross Section -100.0 To 146.7 %



MAT 6425 MT= 77 (n, n') Level 64-Gd-152  
 Cross Section -100.0 To -70.98%



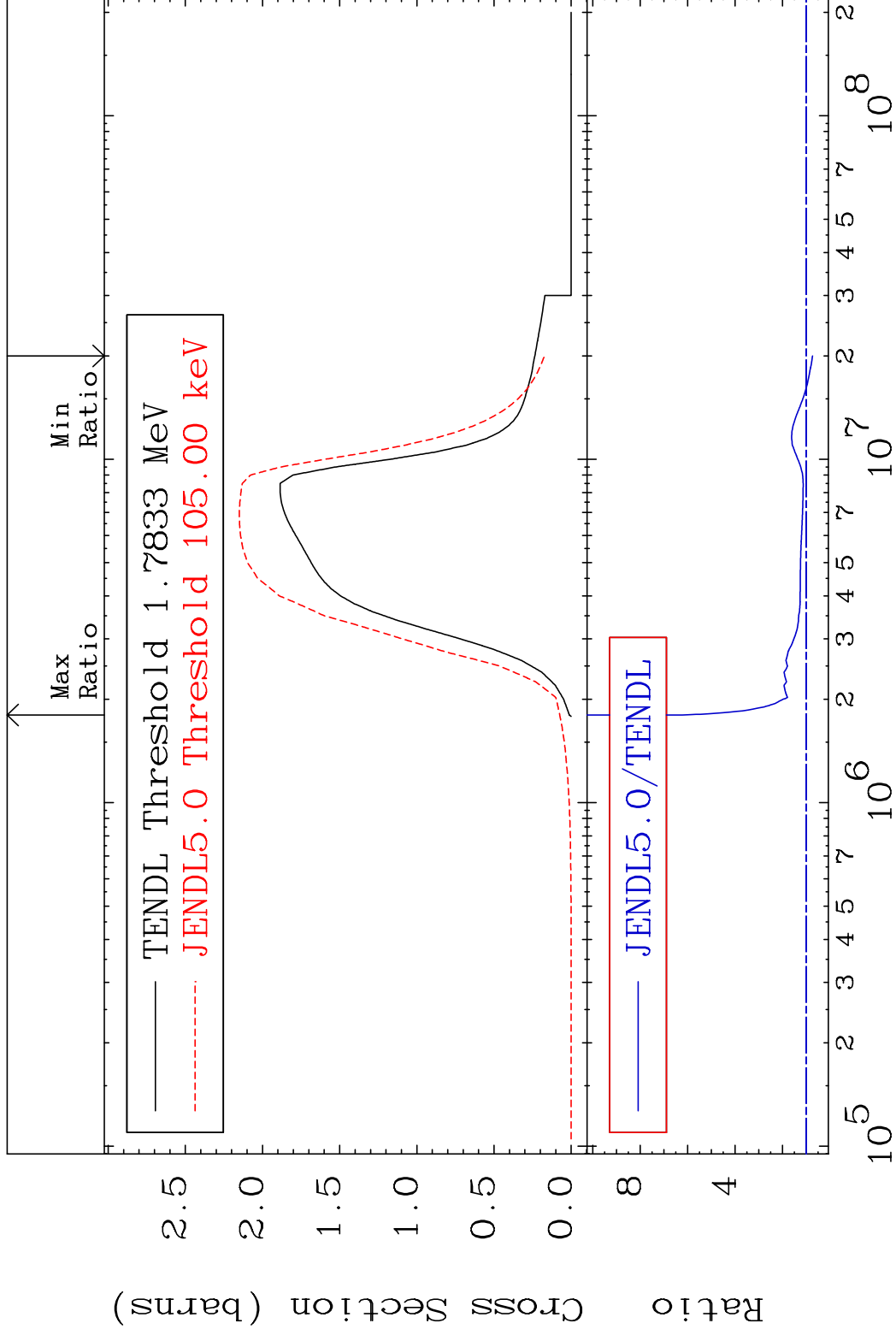


MAT 6425

(n, n') Continuum

64-Gd-152

Cross Section -26.50 To 522.4 %



40

Incident Energy (eV)

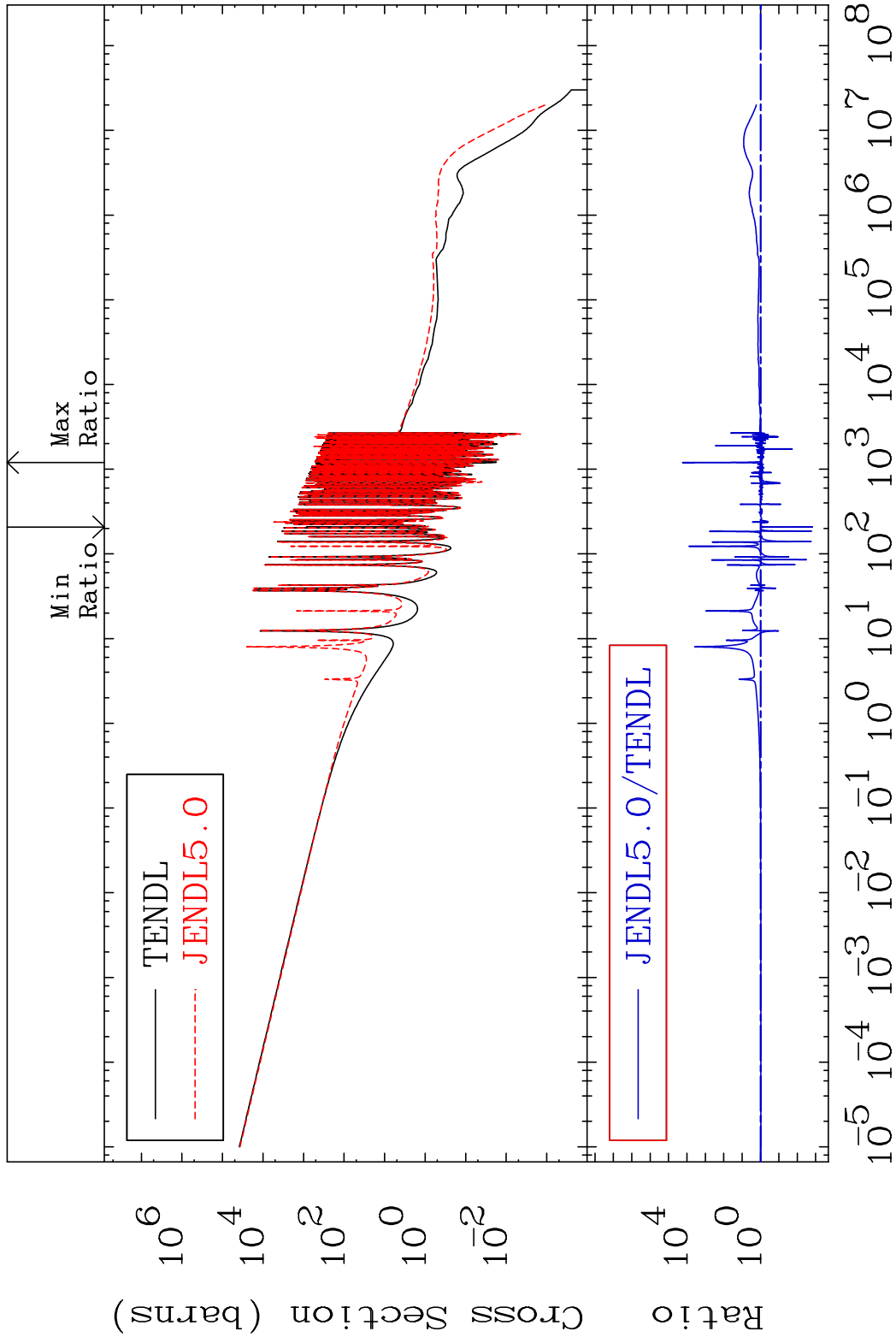
64-Gd-152

MAT 6425

(n,  $\gamma$ )

64-Gd-152

Cross Section -99.85 To 9999. %



41

Incident Energy (eV)

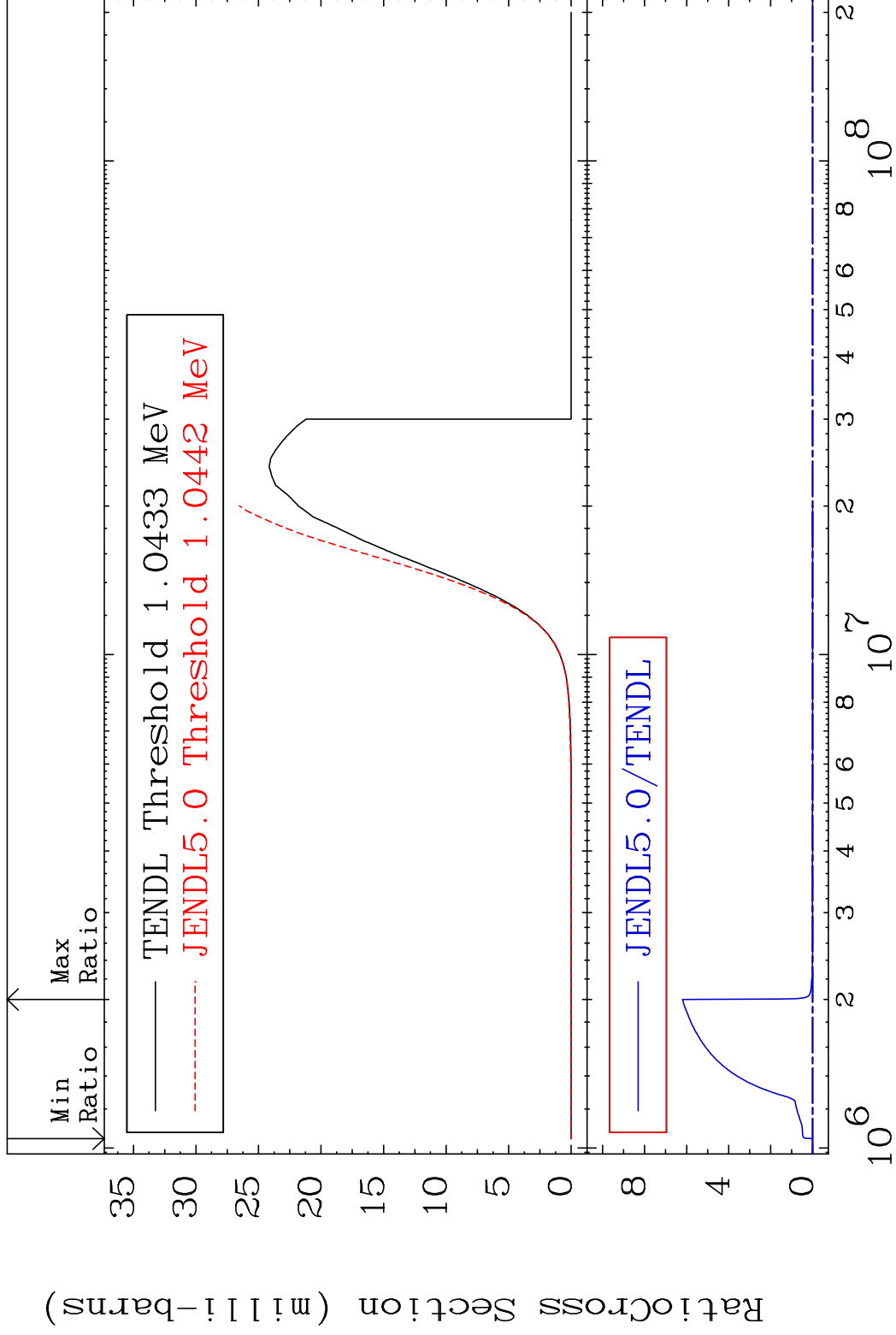
64-Gd-152

MAT 6425

(n,p)

64-Gd-152

Cross Section -100.0 To 9999. %



42

Incident Energy (eV)

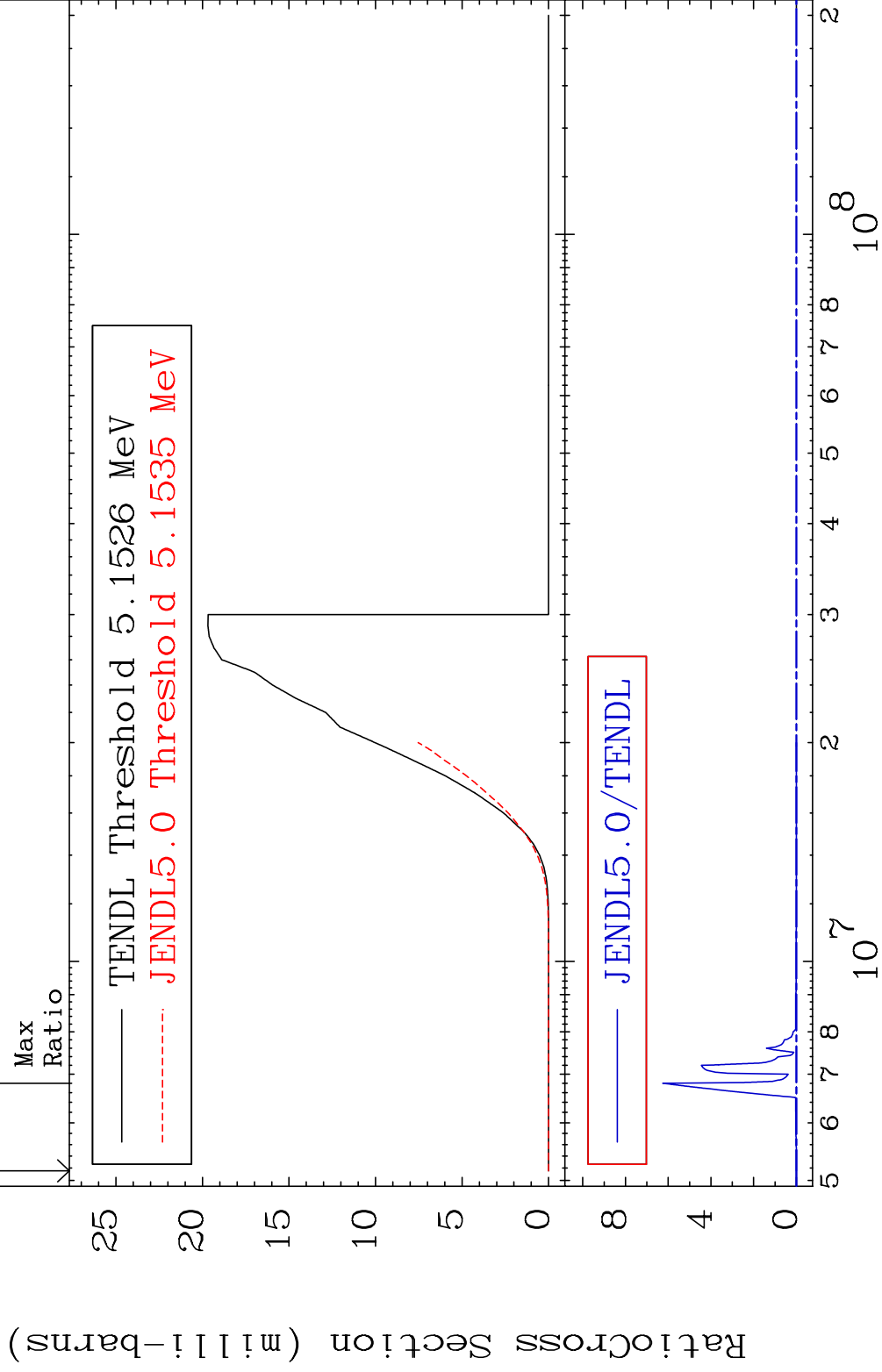
64-Gd-152

MAT 6425

(n,d)

64-Gd-152

Cross Section -100.0 To 9999. %



43

Incident Energy (eV)

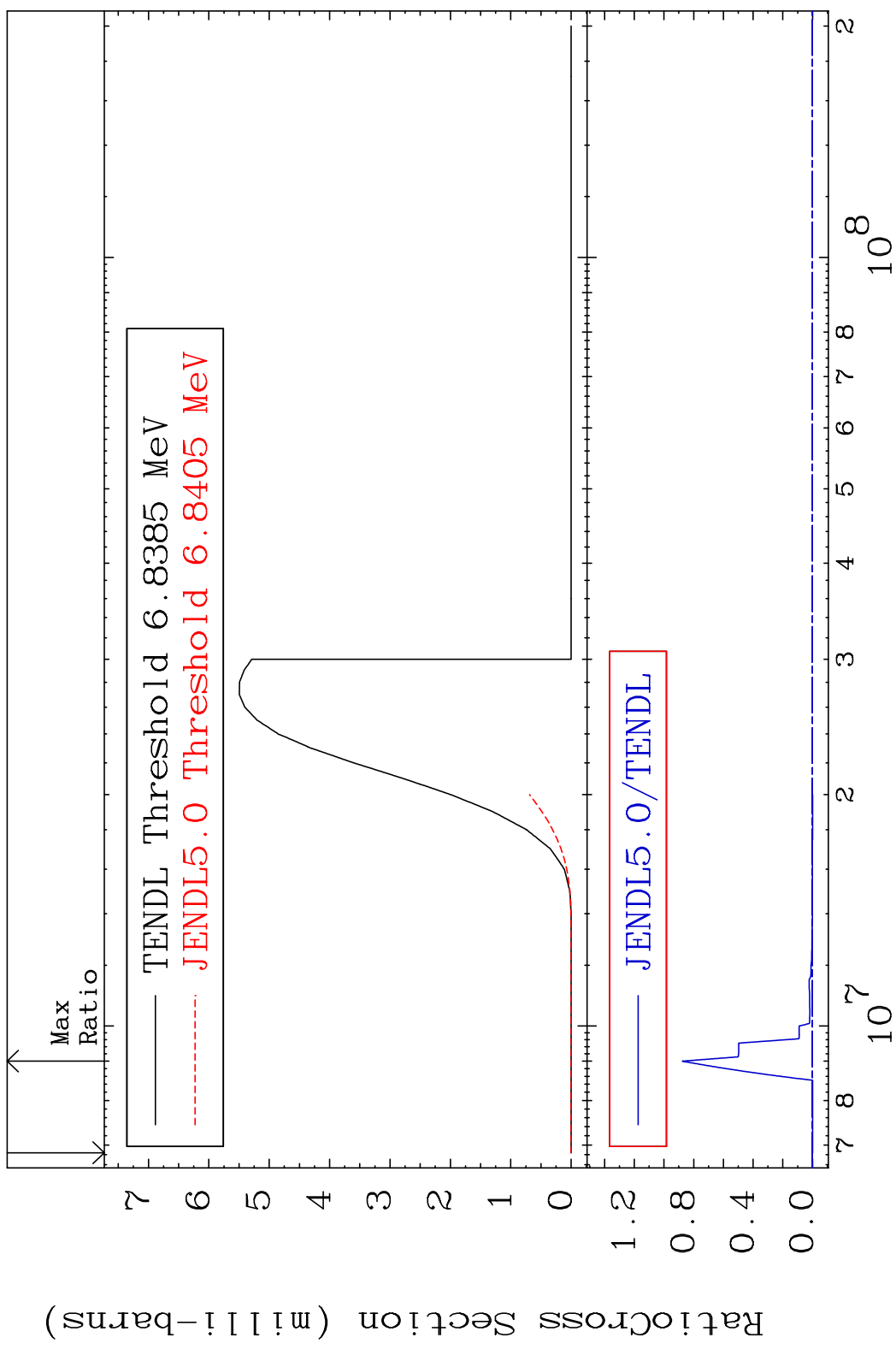
64-Gd-152

MAT 6425

(n, t)

64-Gd-152

Cross Section -100.0 To 9999. %

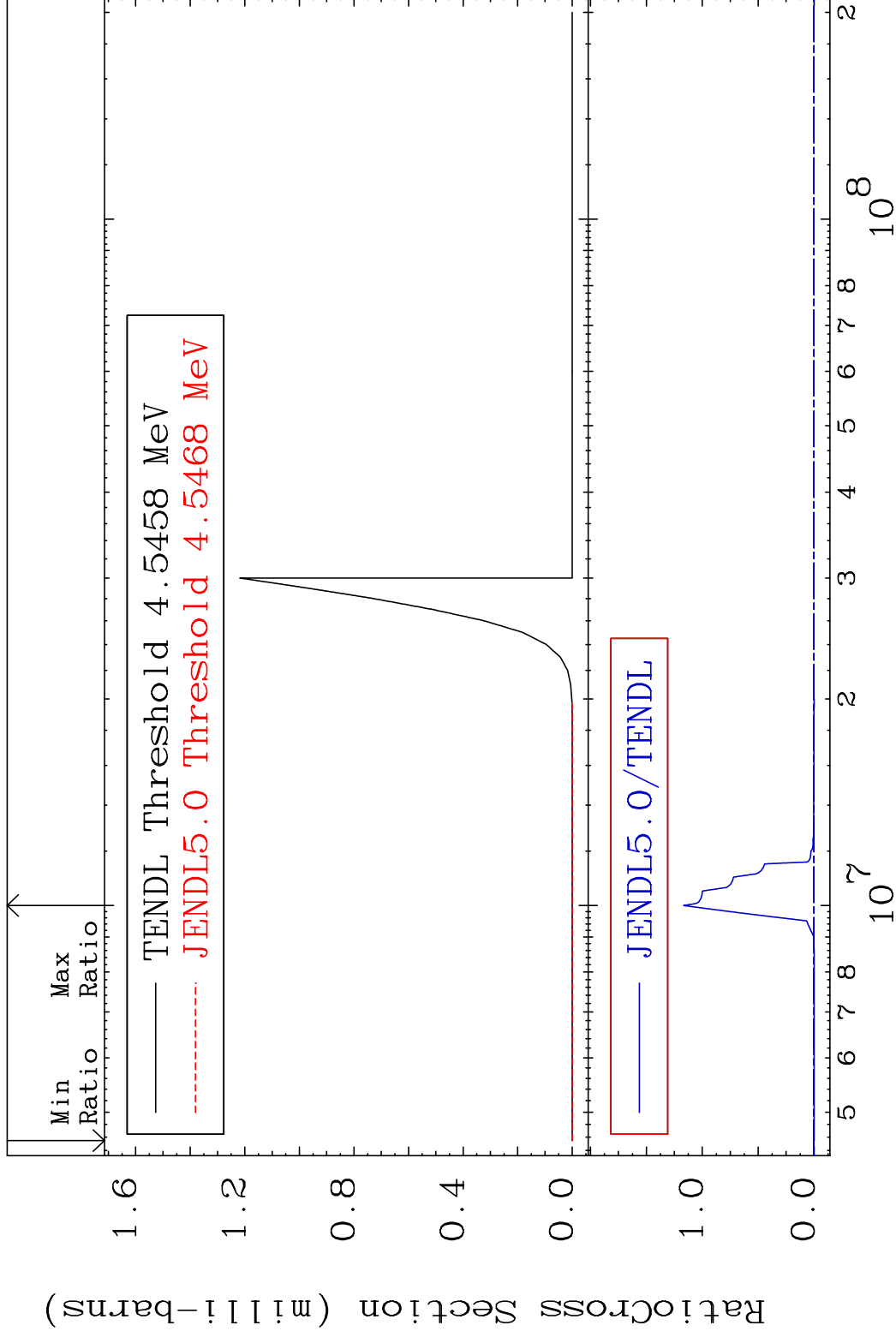


MAT 6425

(n, He-3)

64-Gd-152

Cross Section -100.0 To 9999. %



45

Incident Energy (eV)

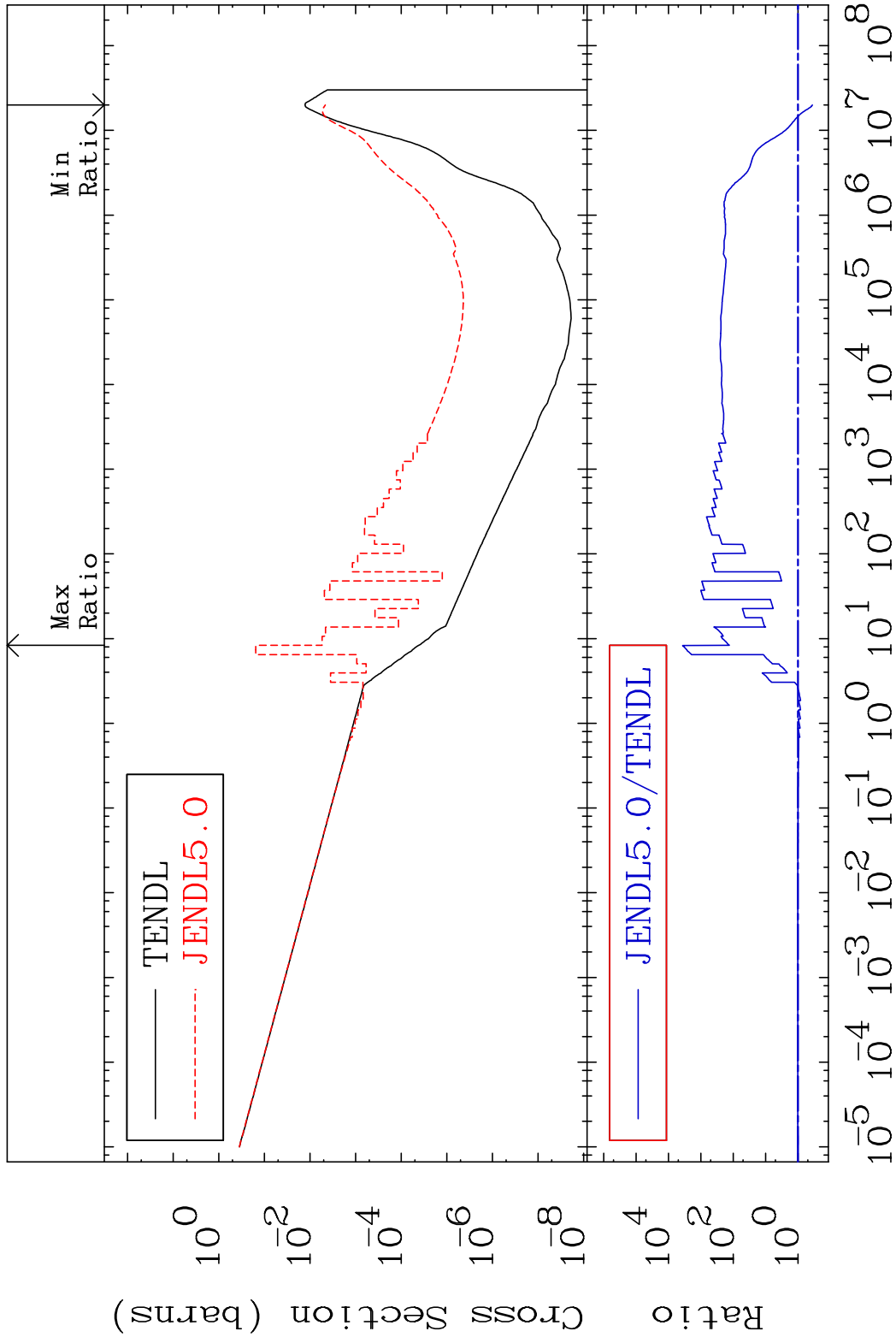
64-Gd-152

MAT 6425

(n,  $\alpha$ )

64-Gd-152

Cross Section -64.52 To 9999. %



46

Incident Energy (eV)

64-Gd-152

MAT 6425

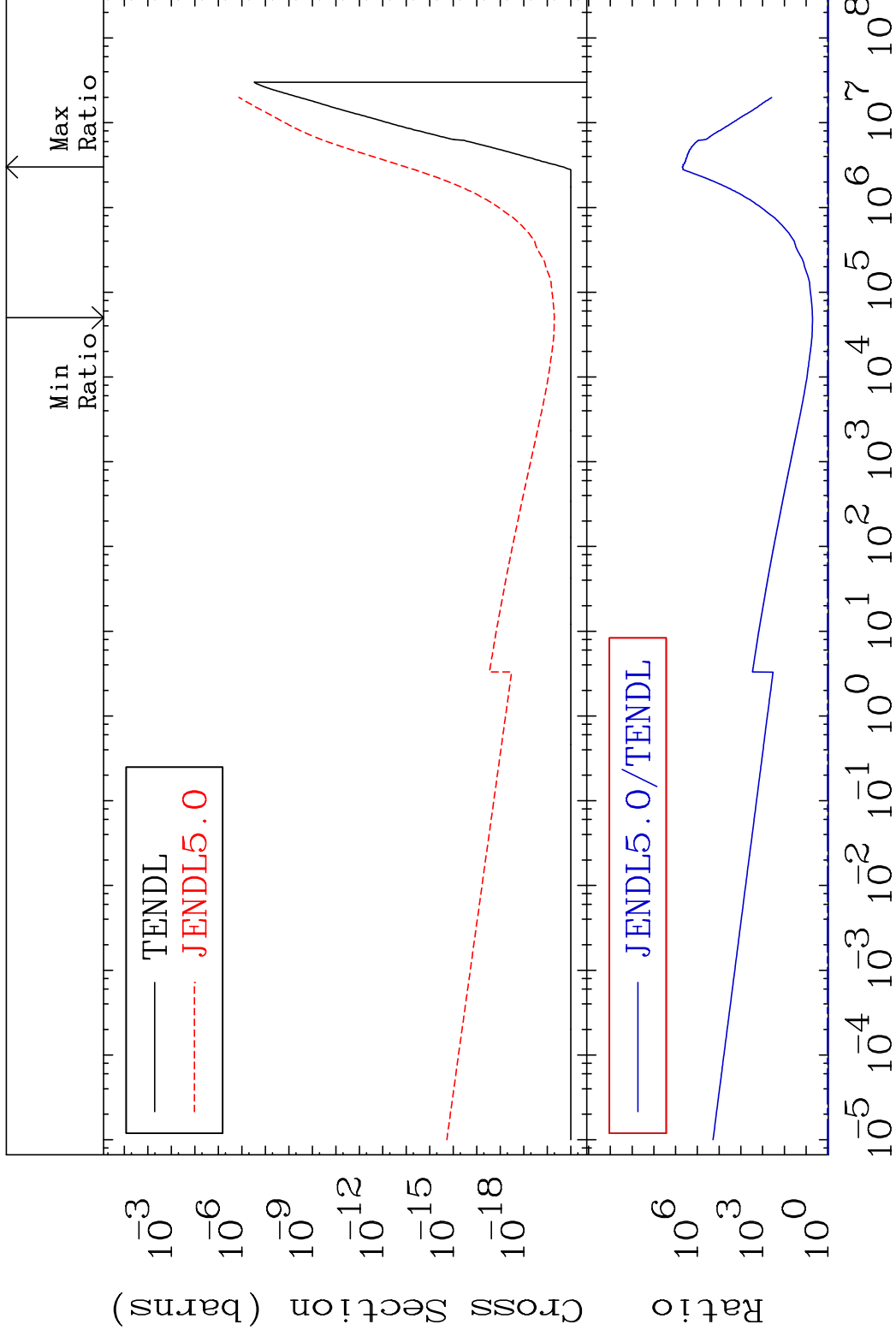
(n, 2α)

64-Gd-152

Cross Section

408.2

To 9999. %



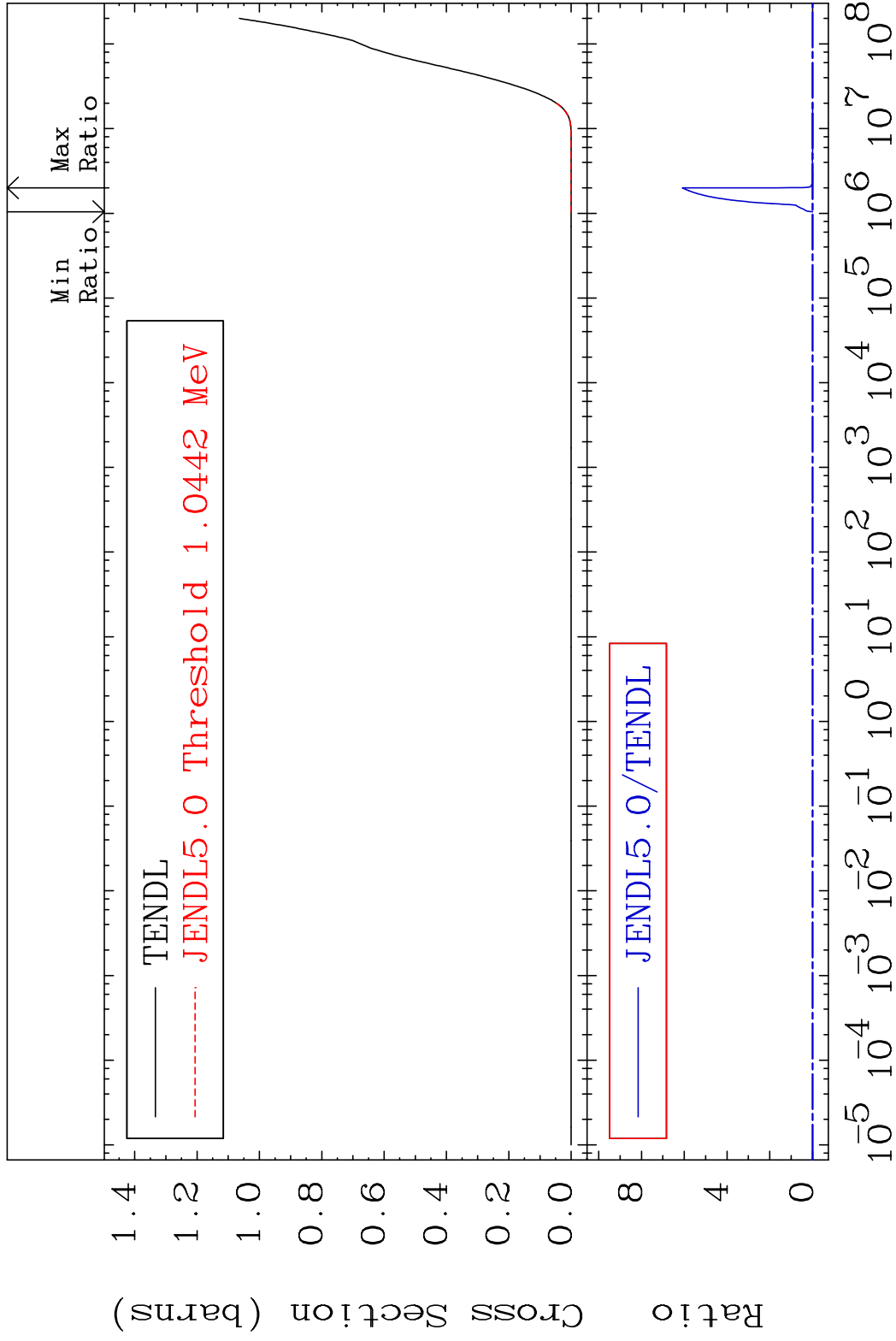


MAT 6425

Hydrogen Production

64-Gd-152

Cross Section -100.0 To 9999. %



48

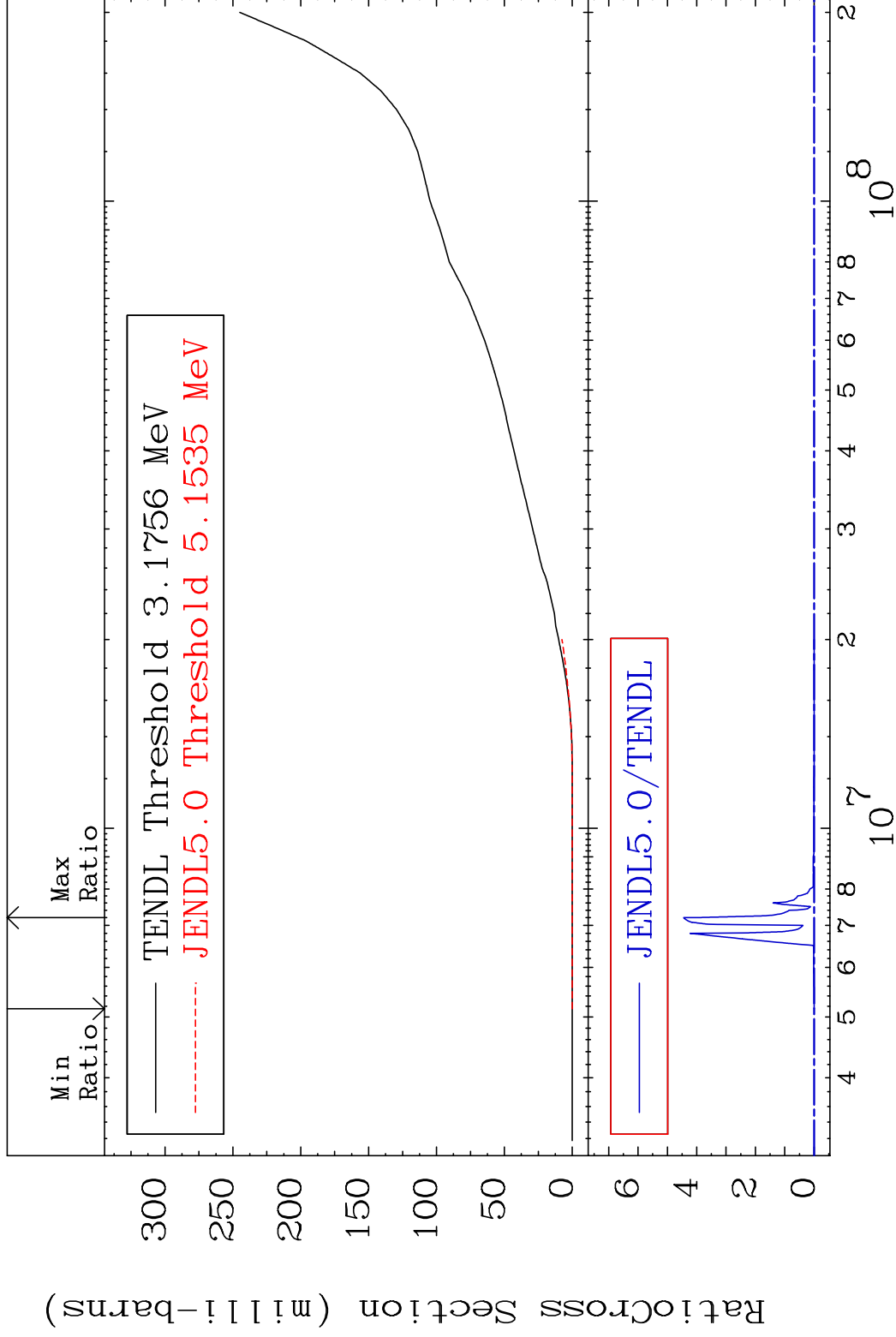
Incident Energy (eV)

64-Gd-152

MAT 6425

Deuterium Production 64-Gd-152

Cross Section -100.0 To 9999. %

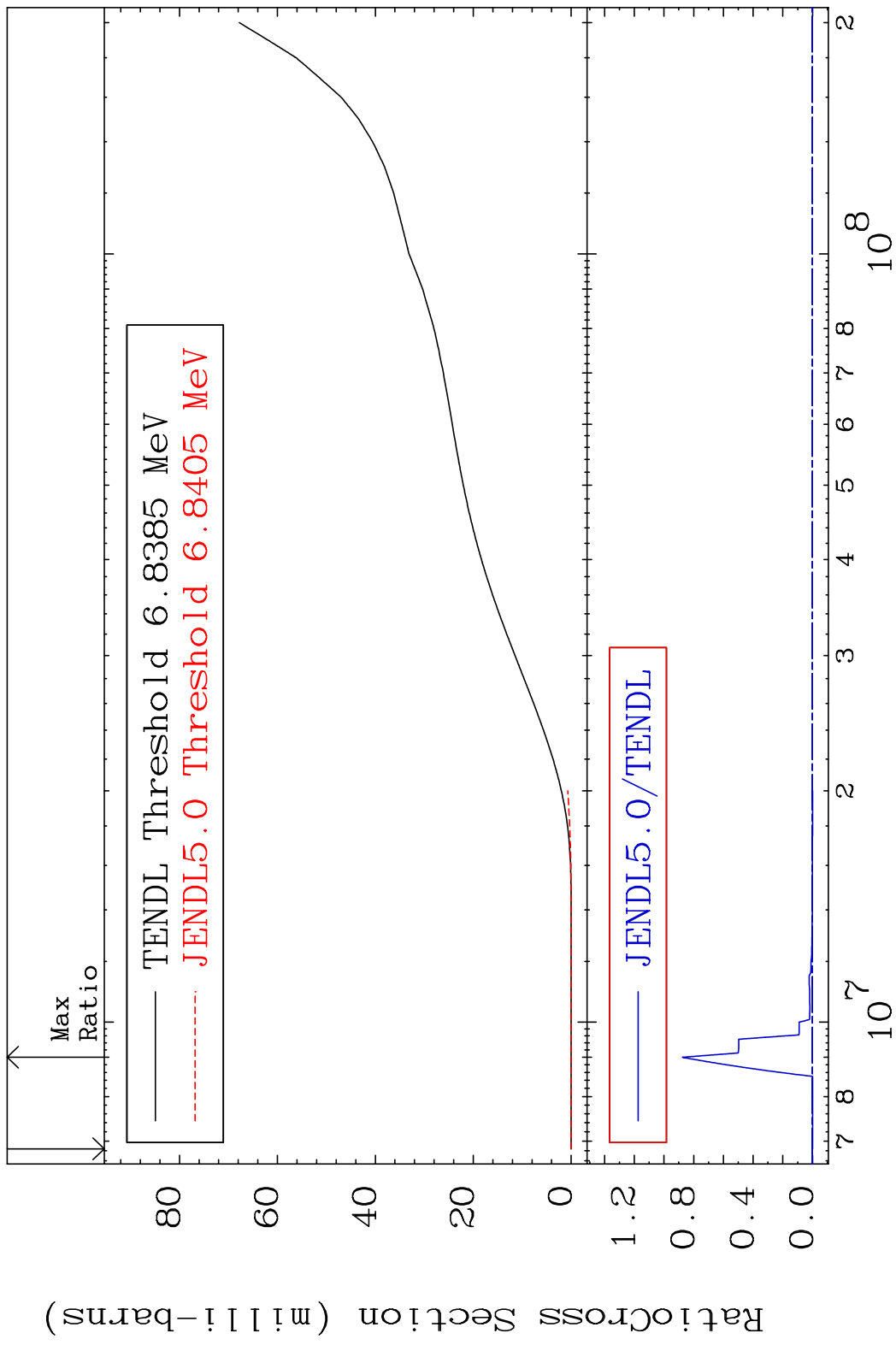


49

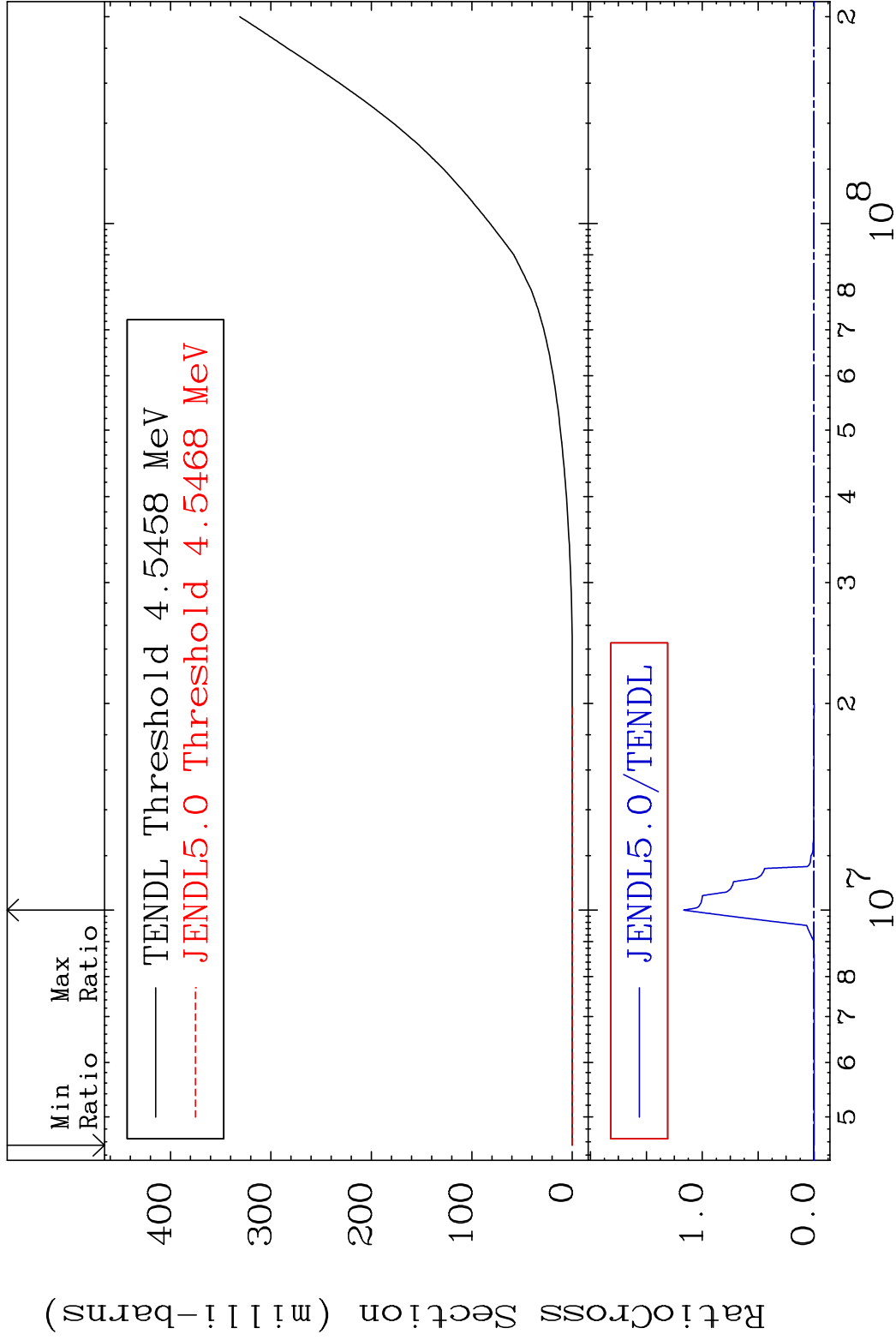
Incident Energy (eV)

64-Gd-152

MAT 6425 Tritium Production 64-Gd-152  
 Cross Section -100.0 To 9999. %



Cross Section -100.0 To 9999. %

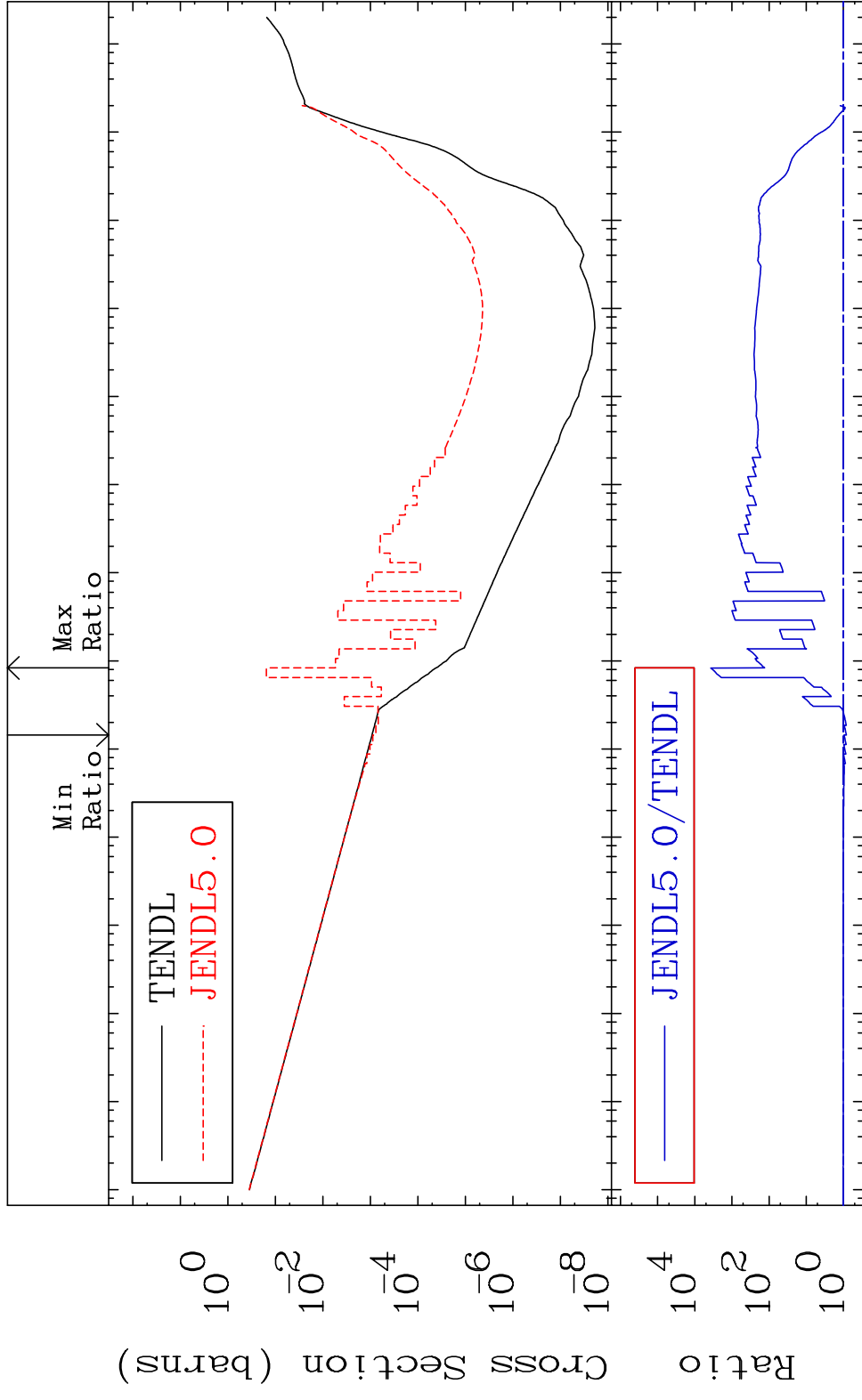


MAT 6425

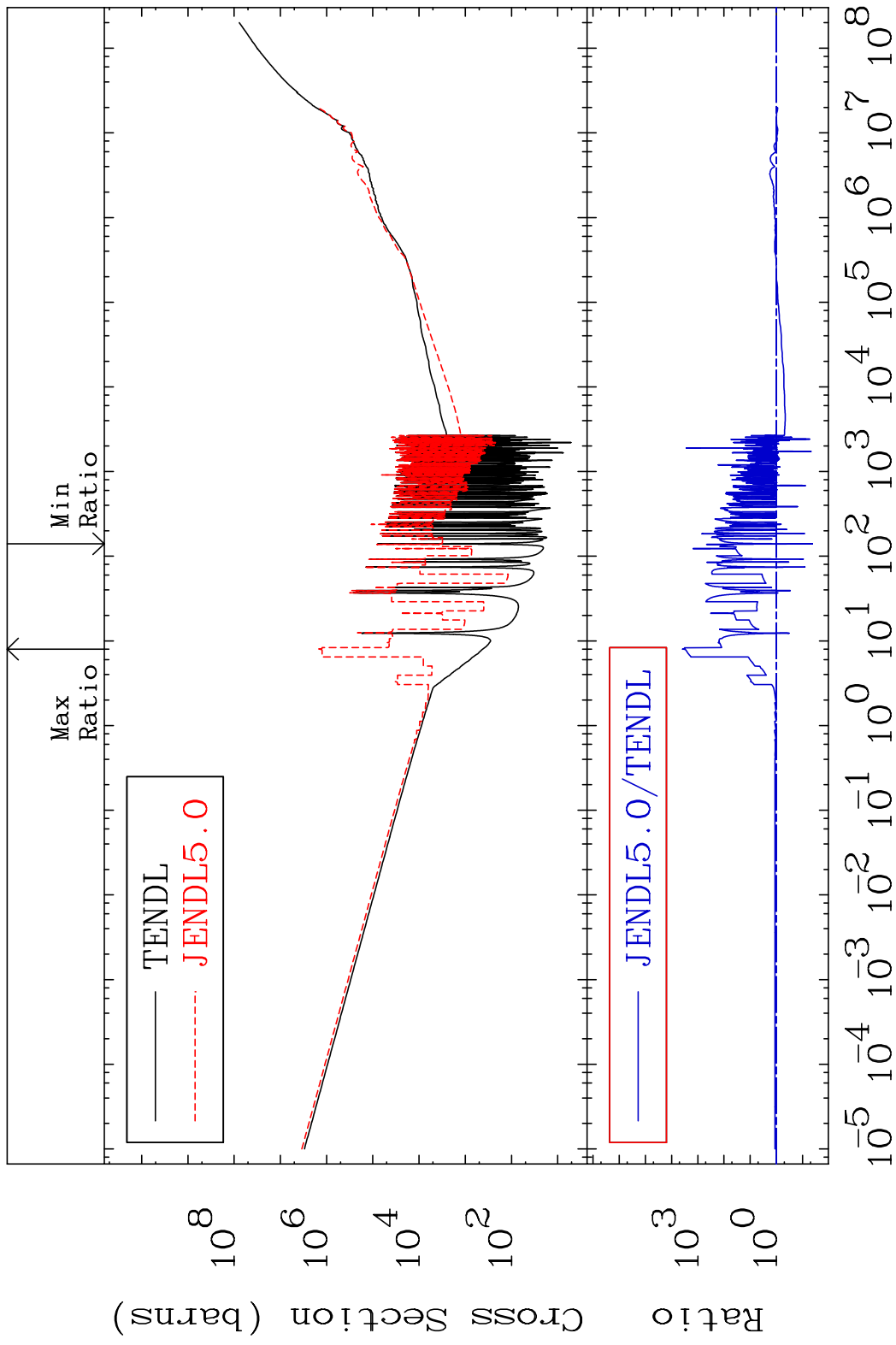
He-4 Production

64-Gd-152

Cross Section -16.59 To 9999. %

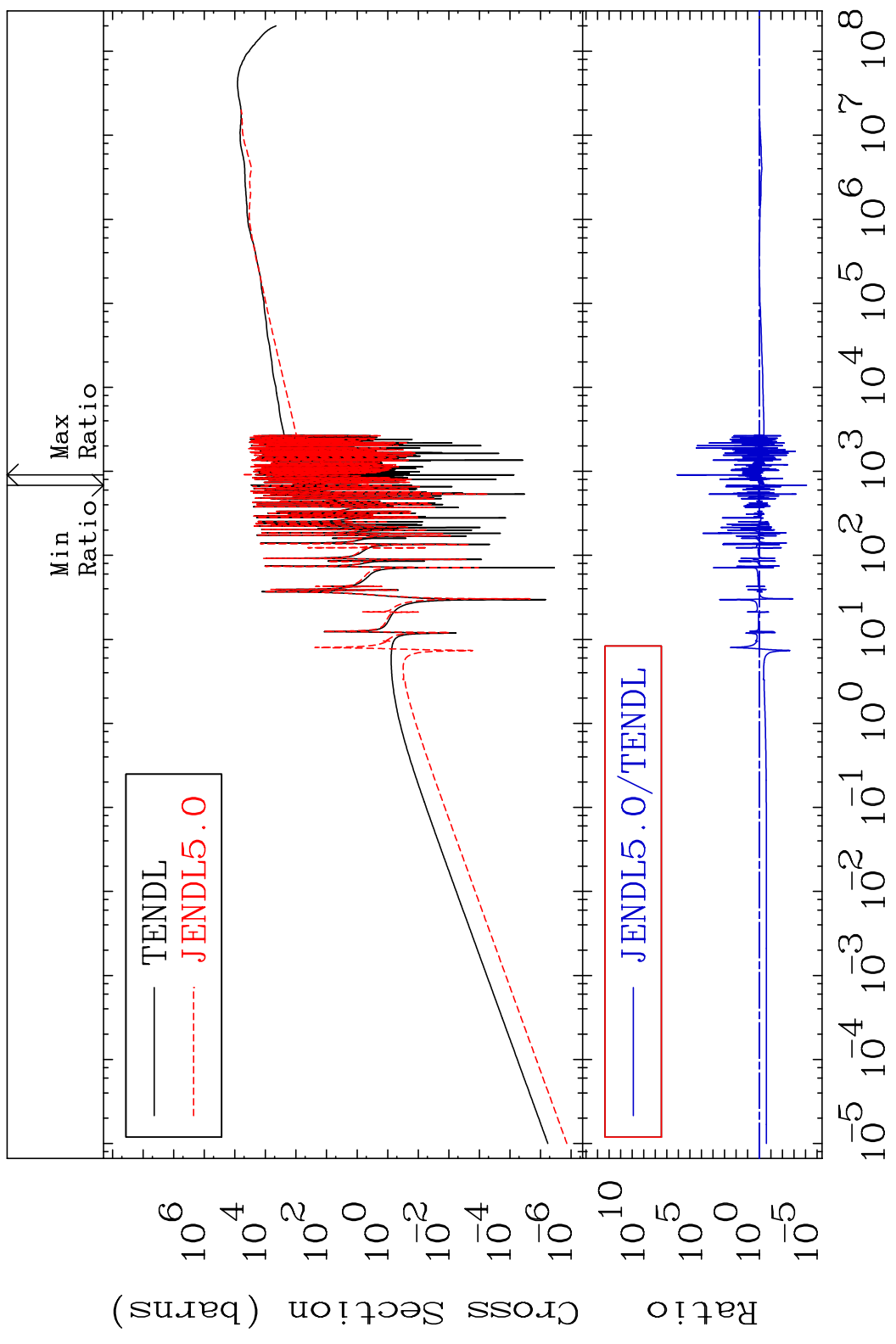


MAT 6425 Kerma total (eV-barns) 64-Gd-152  
 Cross Section -95.84 To 9999. %

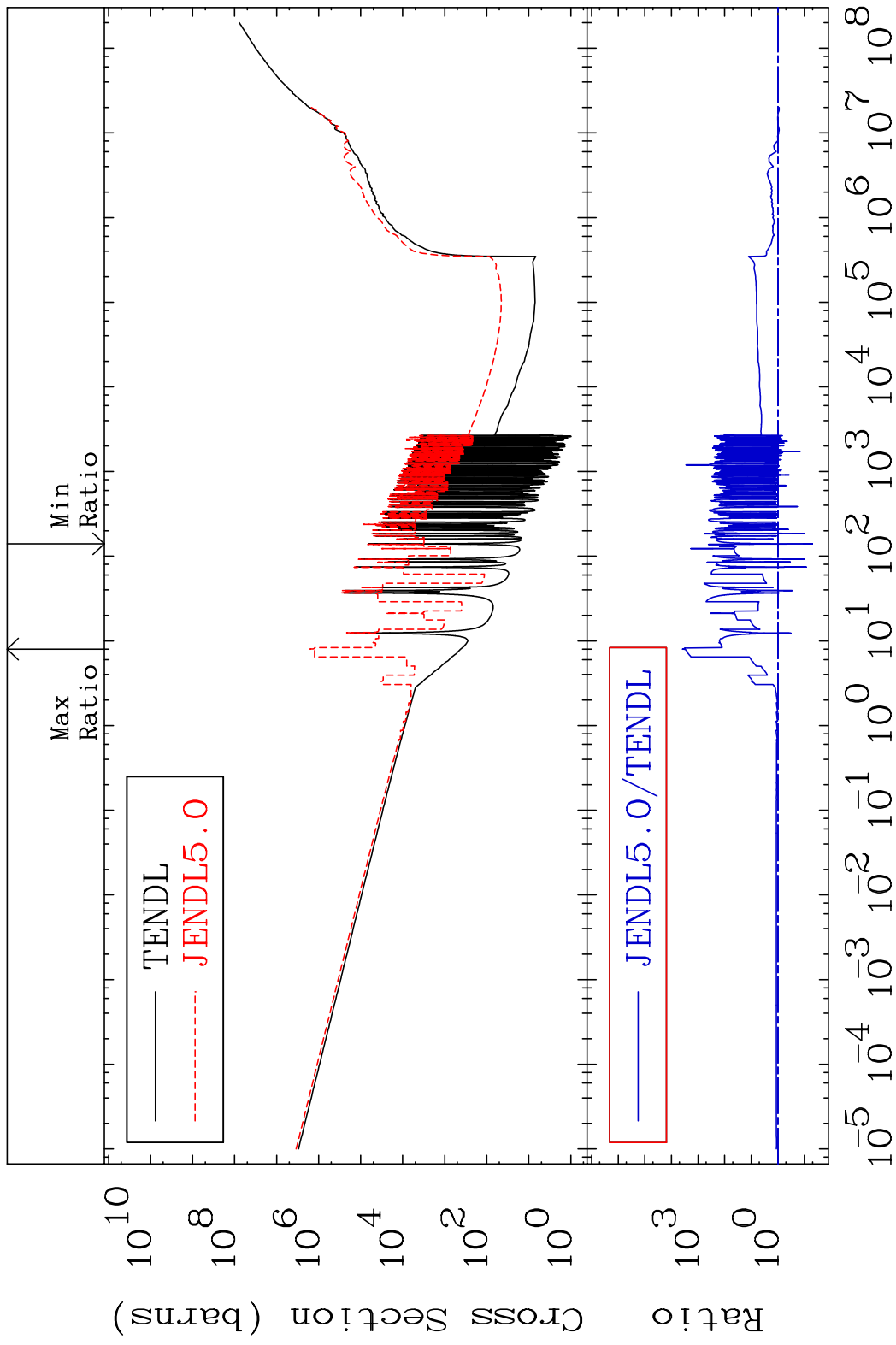


MAT 6425

Kerma elastic 64-Gd-152  
Cross Section -99.99 To 9999. %

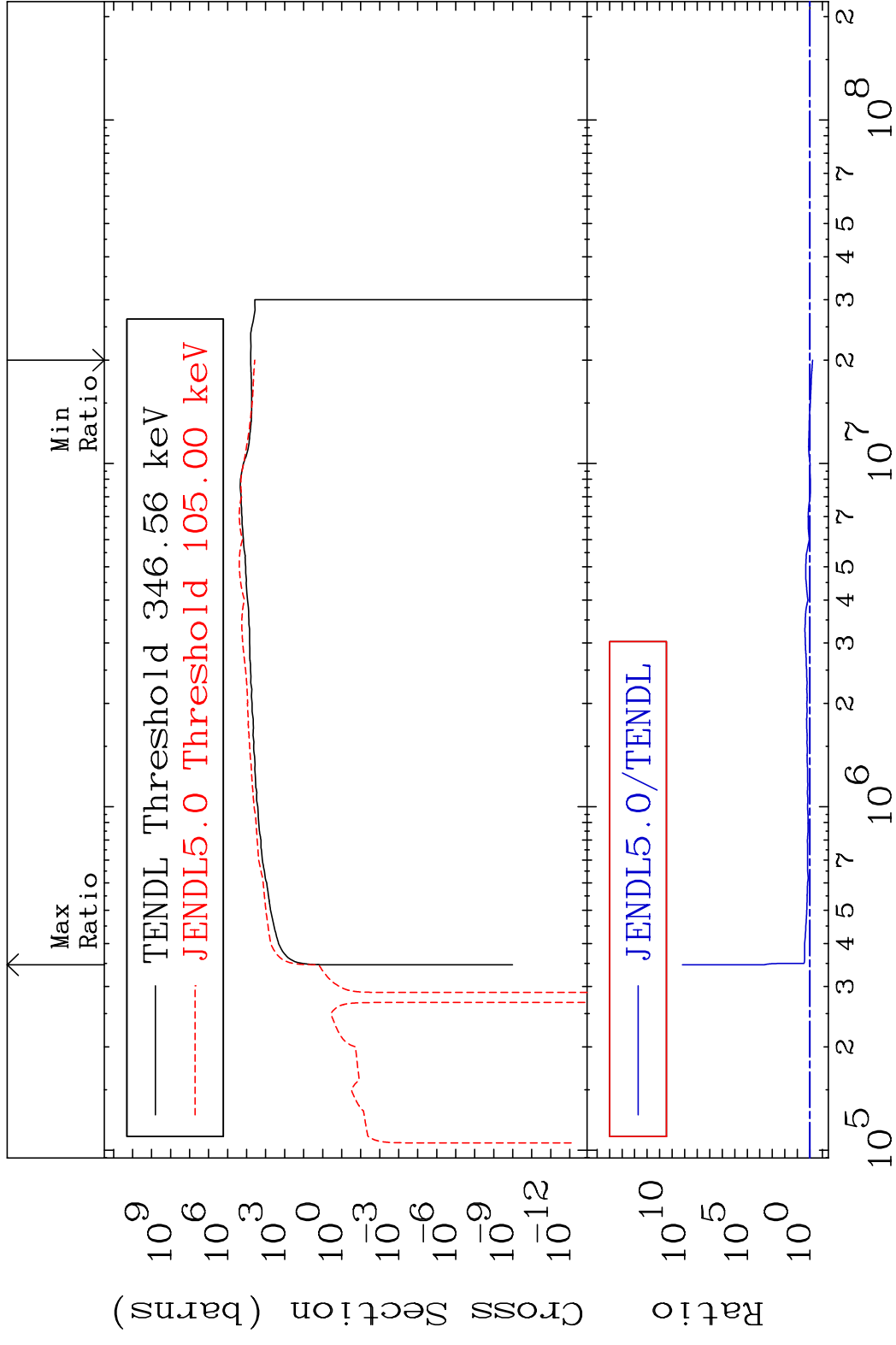


MAT 6425 Kerma non-elastic (all but mt2) 64-Gd-152  
 Cross Section -95.02 To 9999. %

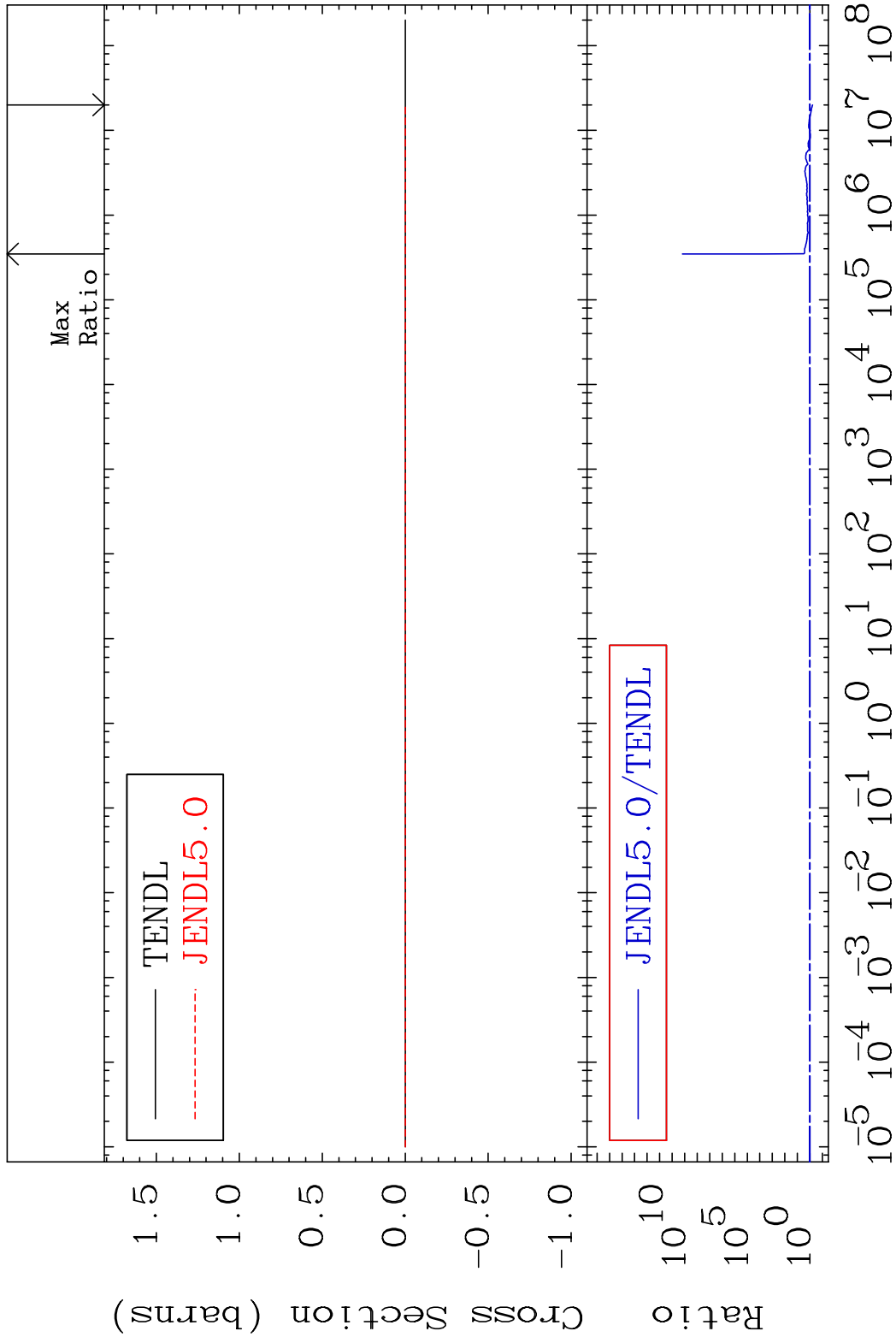




MAT 6425 Kerma inelastic (mt51-91) 64-Gd-152  
 Cross Section -38.73 To 9999. %

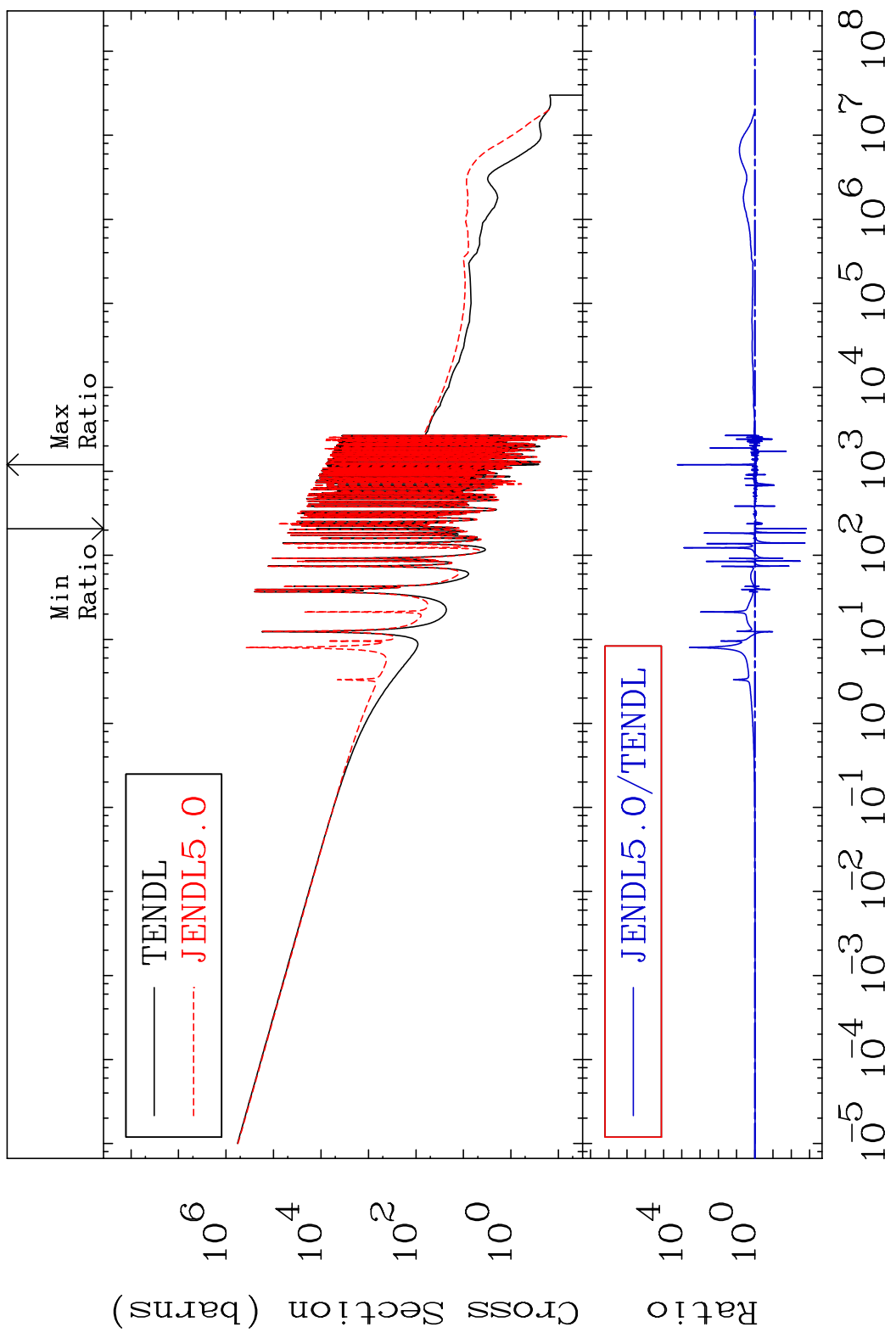


MAT 6425 Kerma fission (mt18 or mt19-20-21-38) 64-Gd-152  
 Cross Section -38.73 To 9999. %

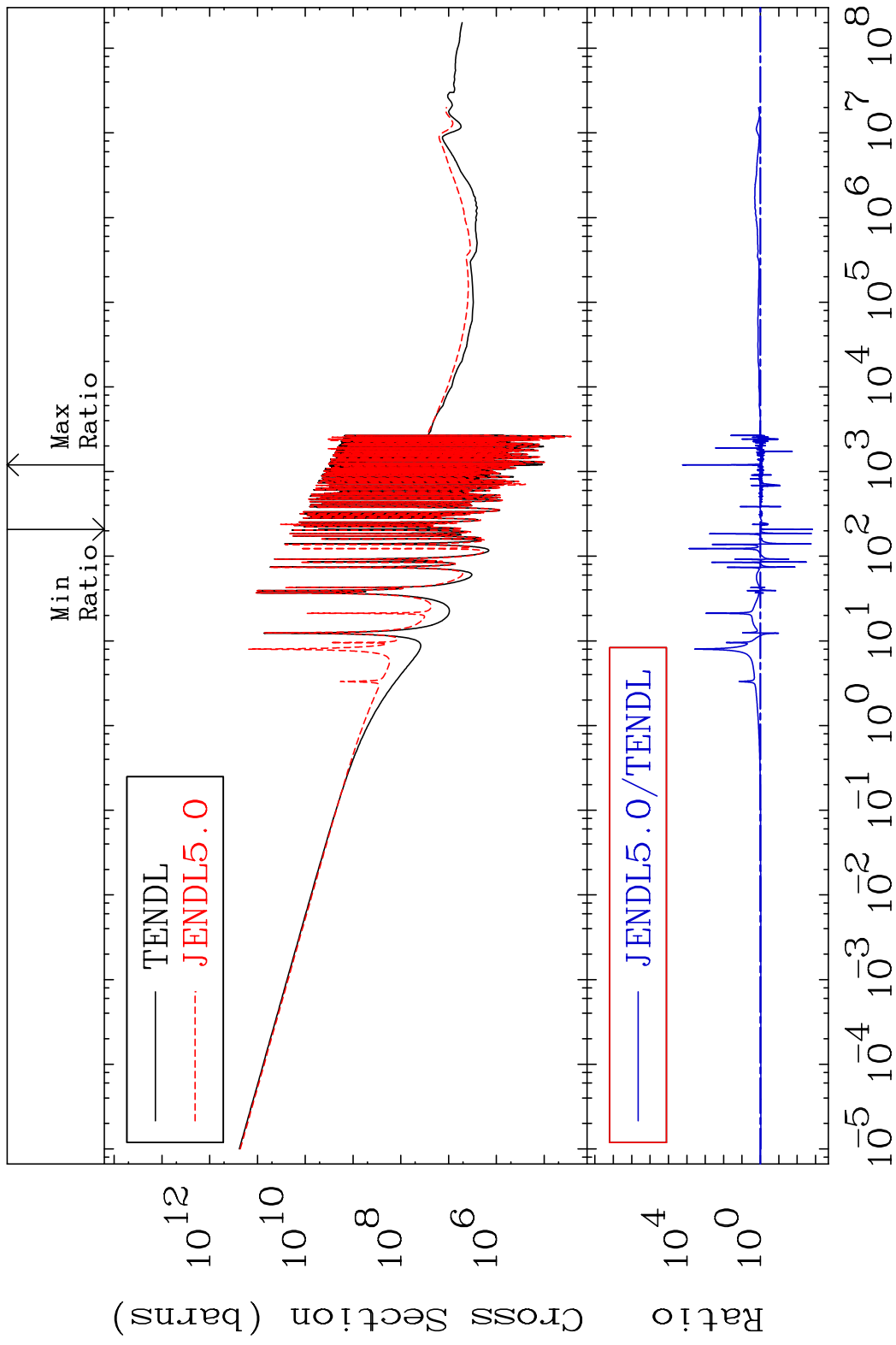


MAT 6425

Kerma capture (mt102) 64-Gd-152  
Cross Section -99.85 To 9999. %

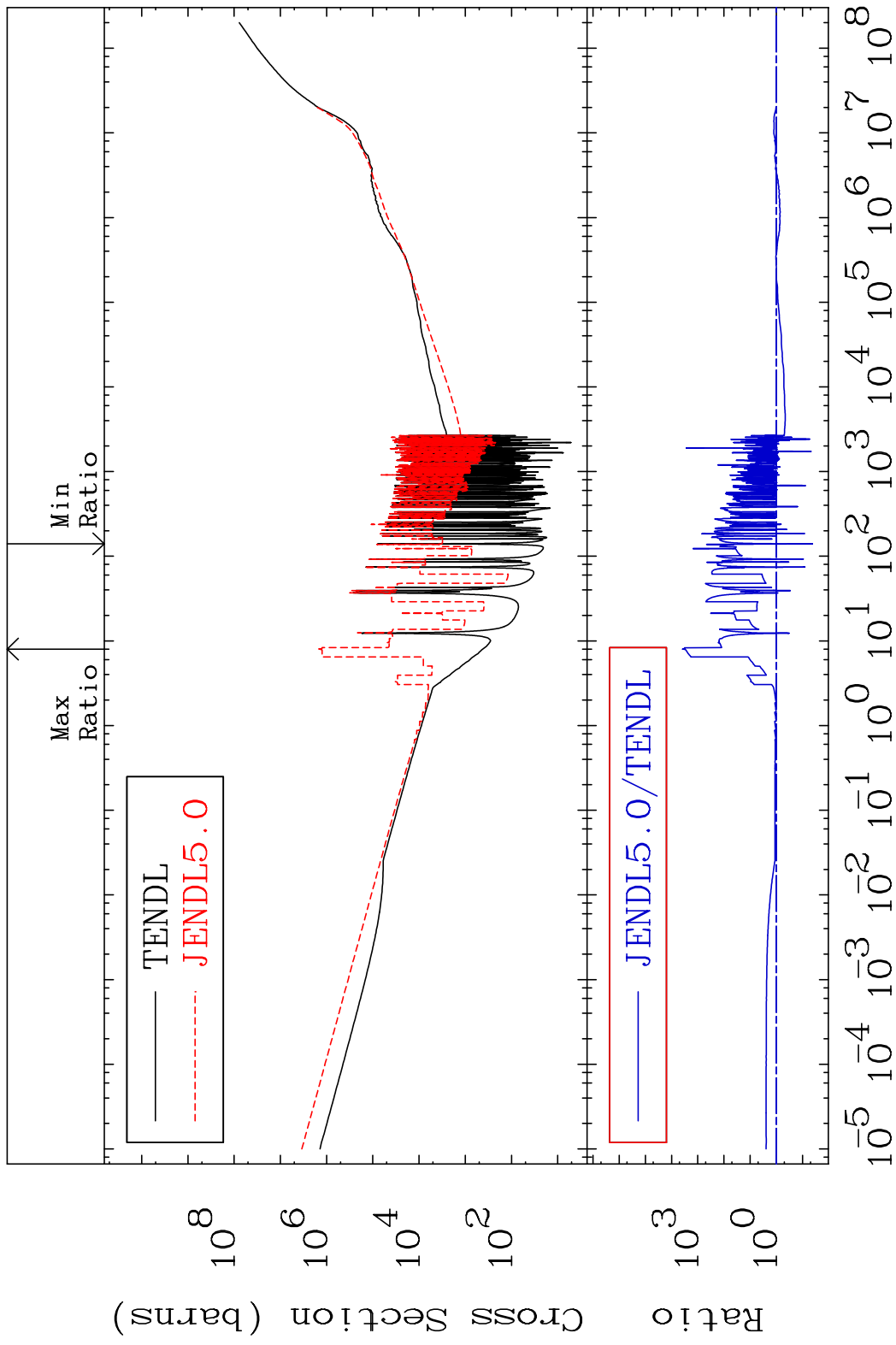


MAT 6425 Total photon (eV-barns) 64-Gd-152  
Cross Section -99.85 To 9999. %

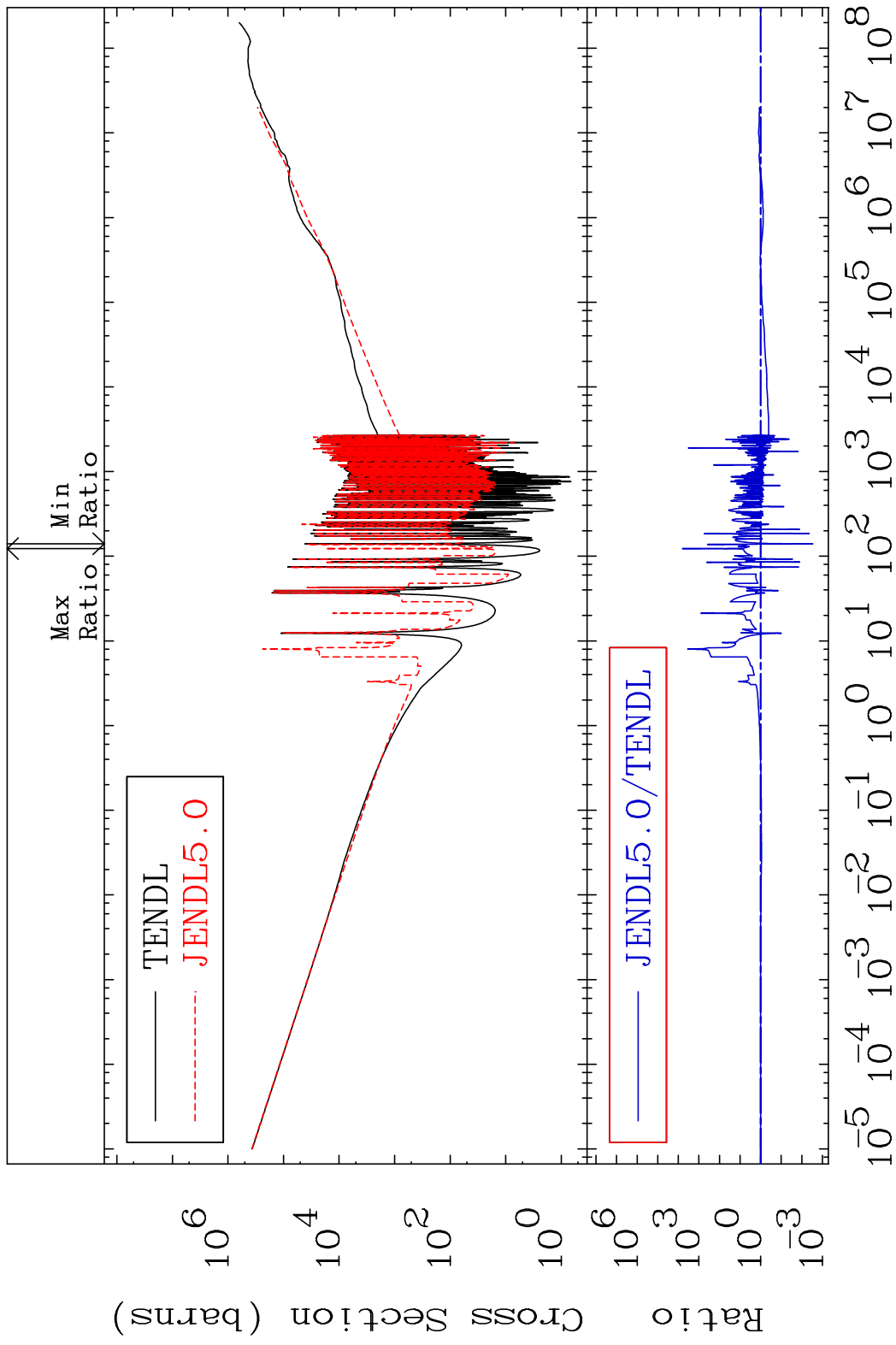


59 Incident Energy (eV) 64-Gd-152

MAT 6425 Total kinematic kerma (high limit) 64-Gd-152  
Cross Section -95.84 To 9999. %



MAT 6425 Dpa total (eV-barns) 64-Gd-152  
 Cross Section -99.70 To 9999. %



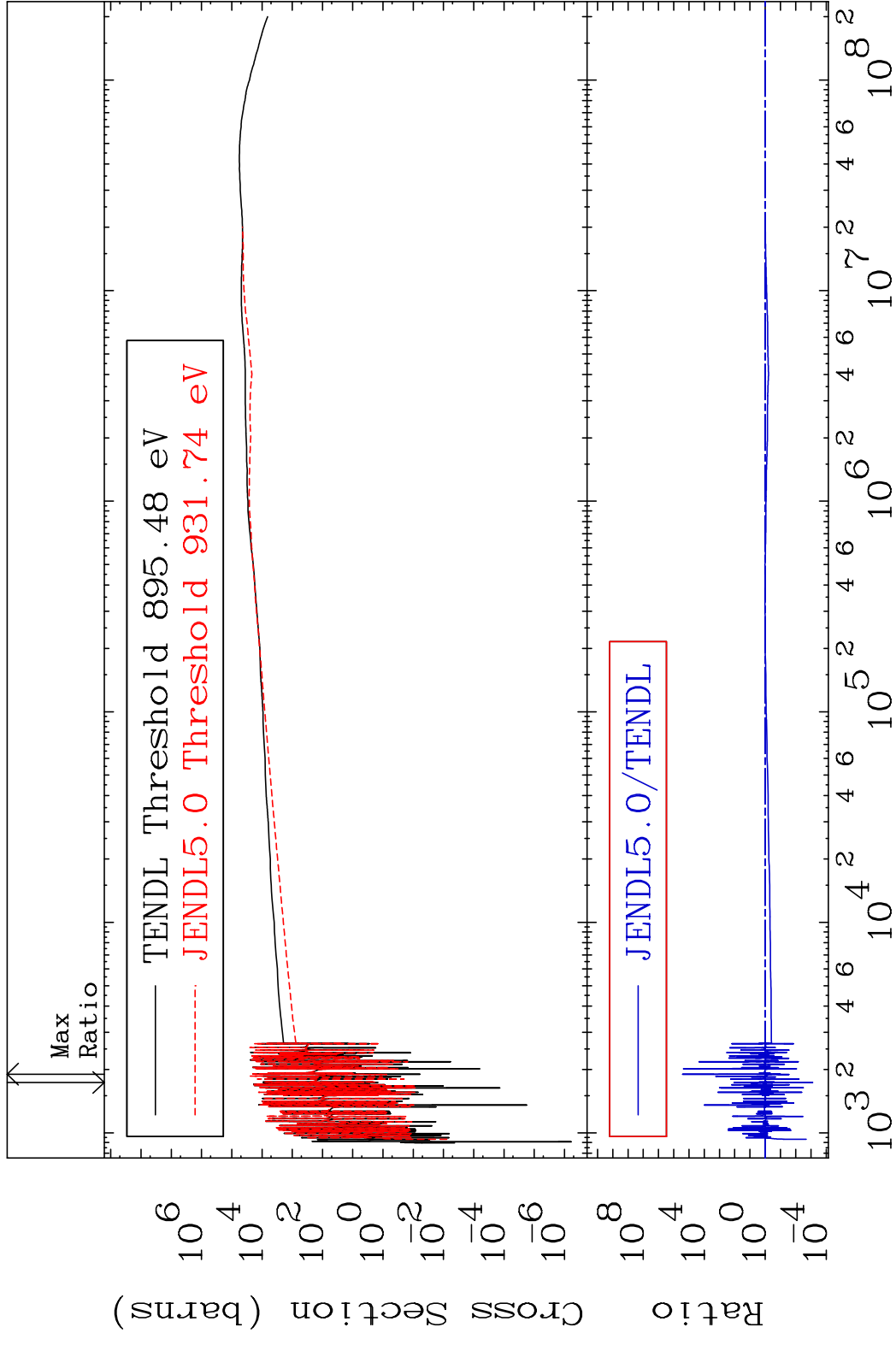
MAT 6425

Dpa elastic (mt2)

64-Gd-152

Cross Section

-99.92 To 9999. %

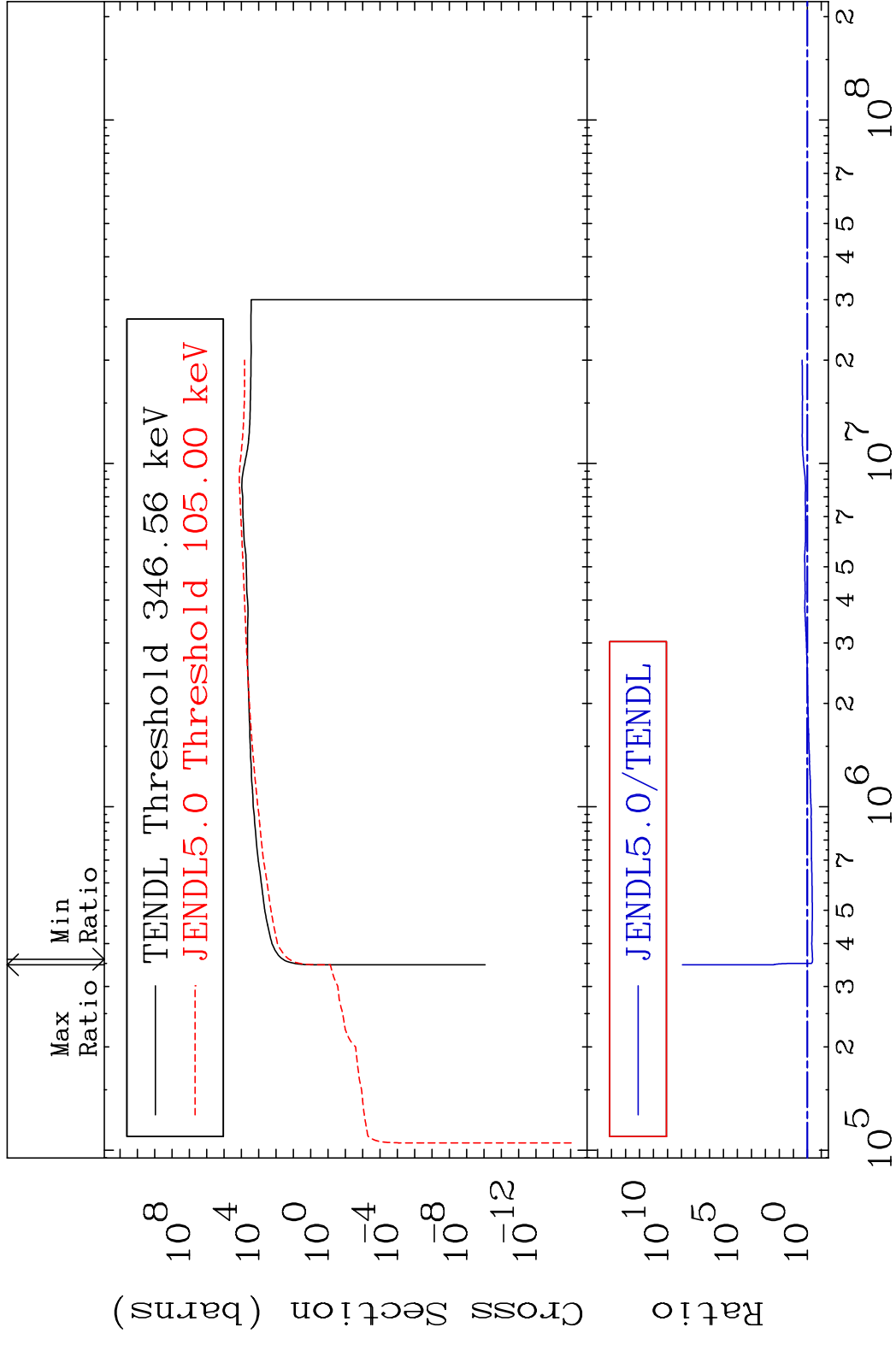


62

Incident Energy (eV)

64-Gd-152

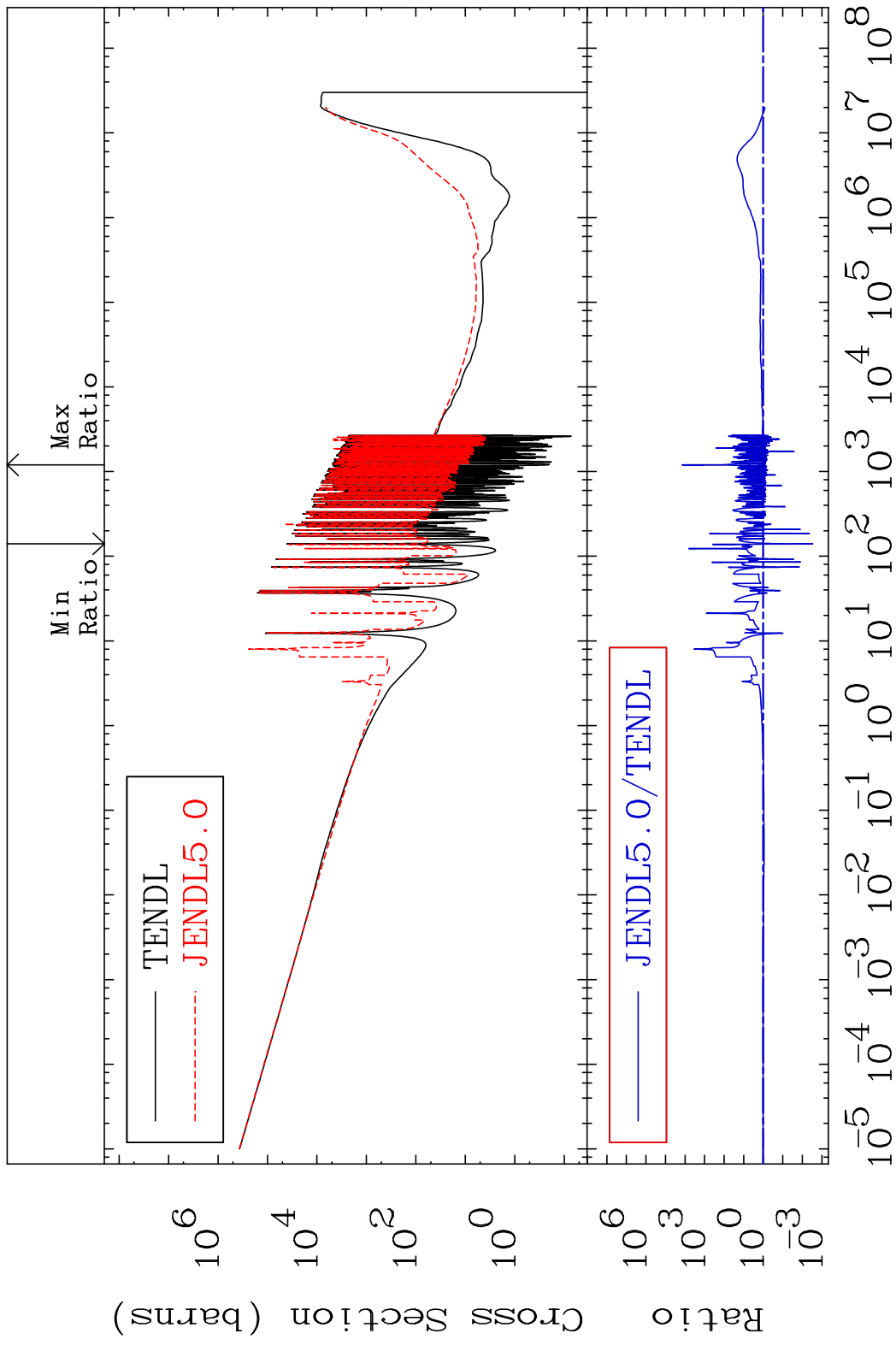
MAT 6425 Dpa inelastic (mt51-91) 64-Gd-152  
 Cross Section -57.63 To 9999. %

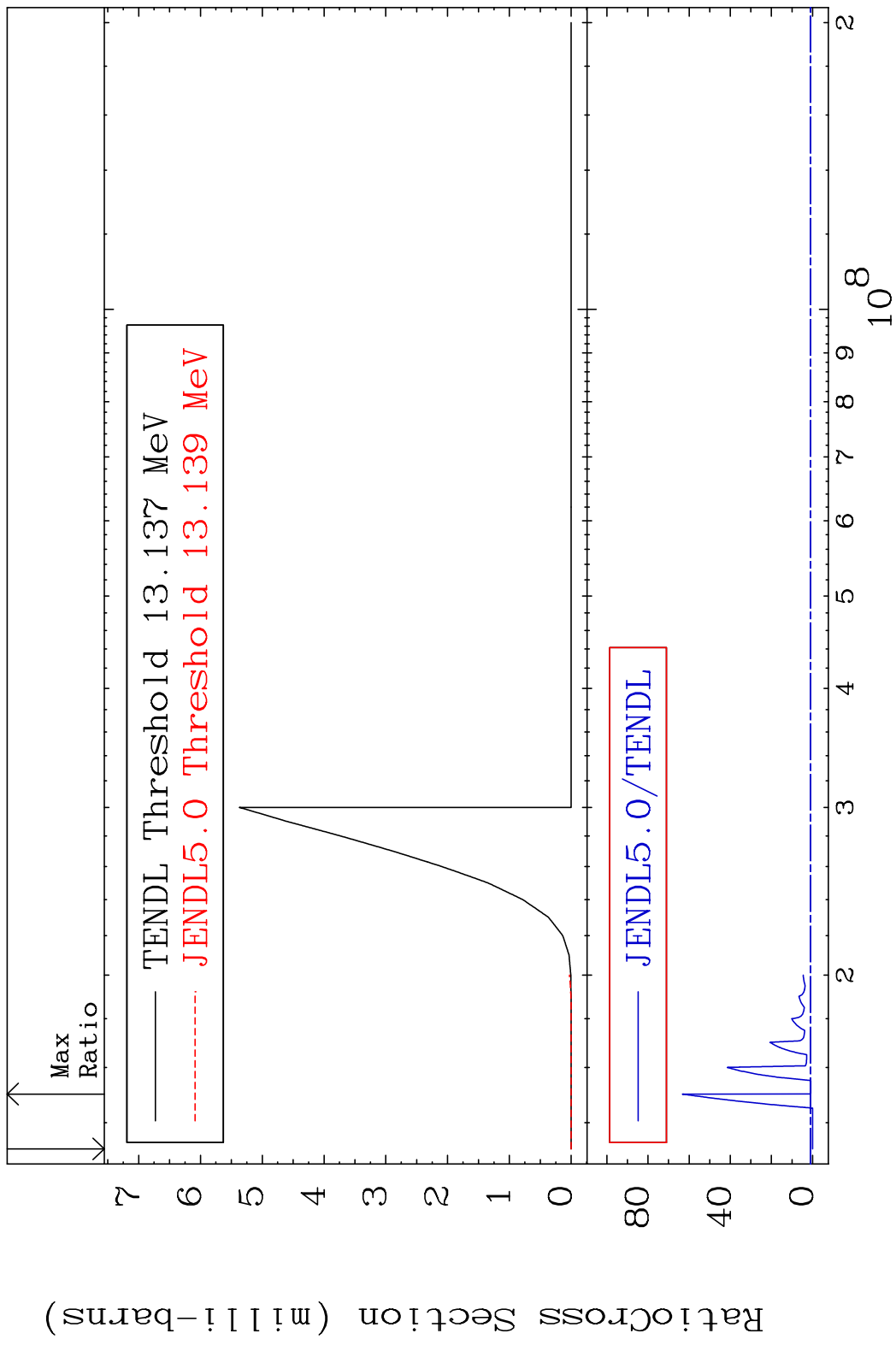


63 Incident Energy (eV) 64-Gd-152

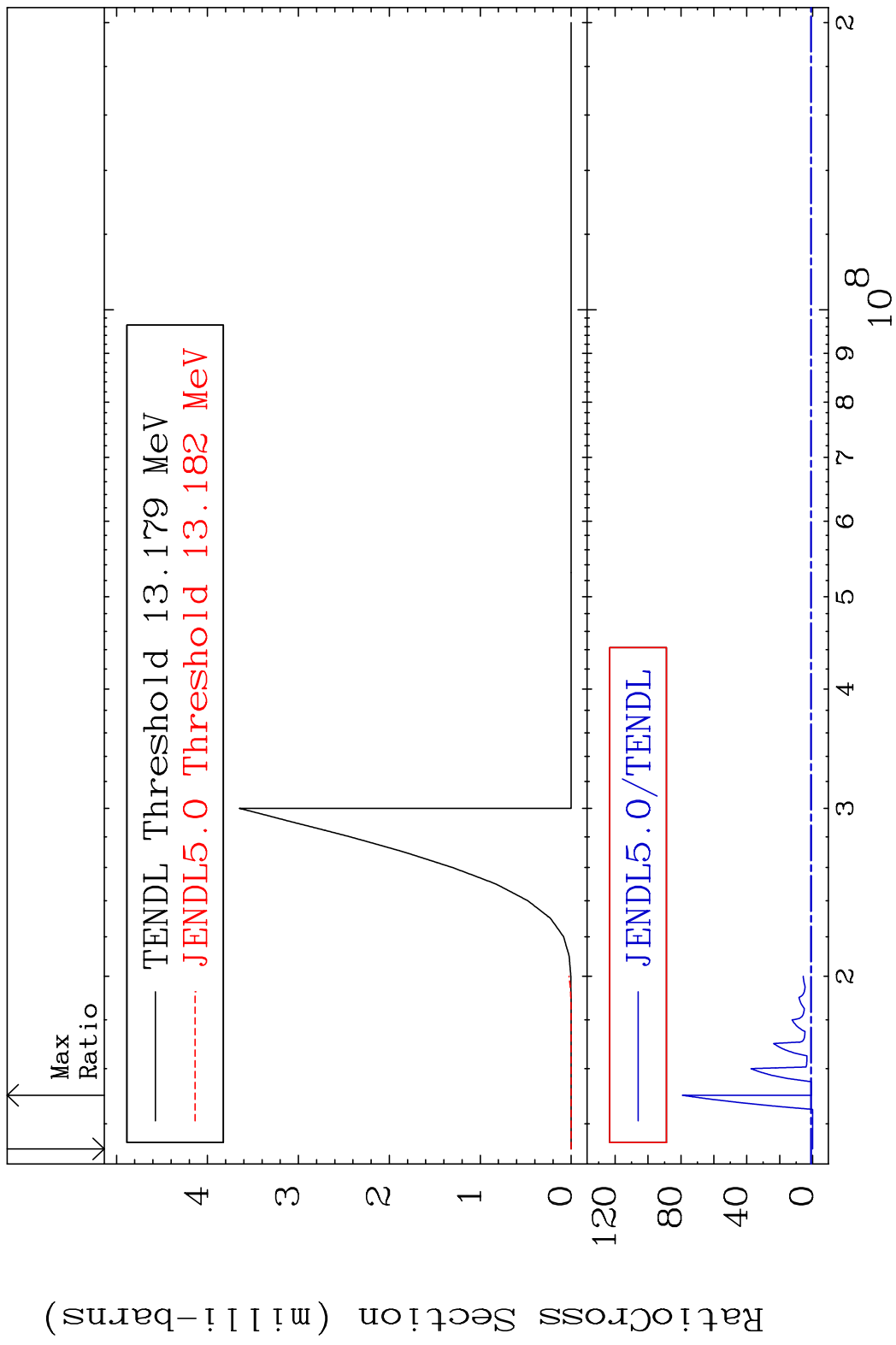


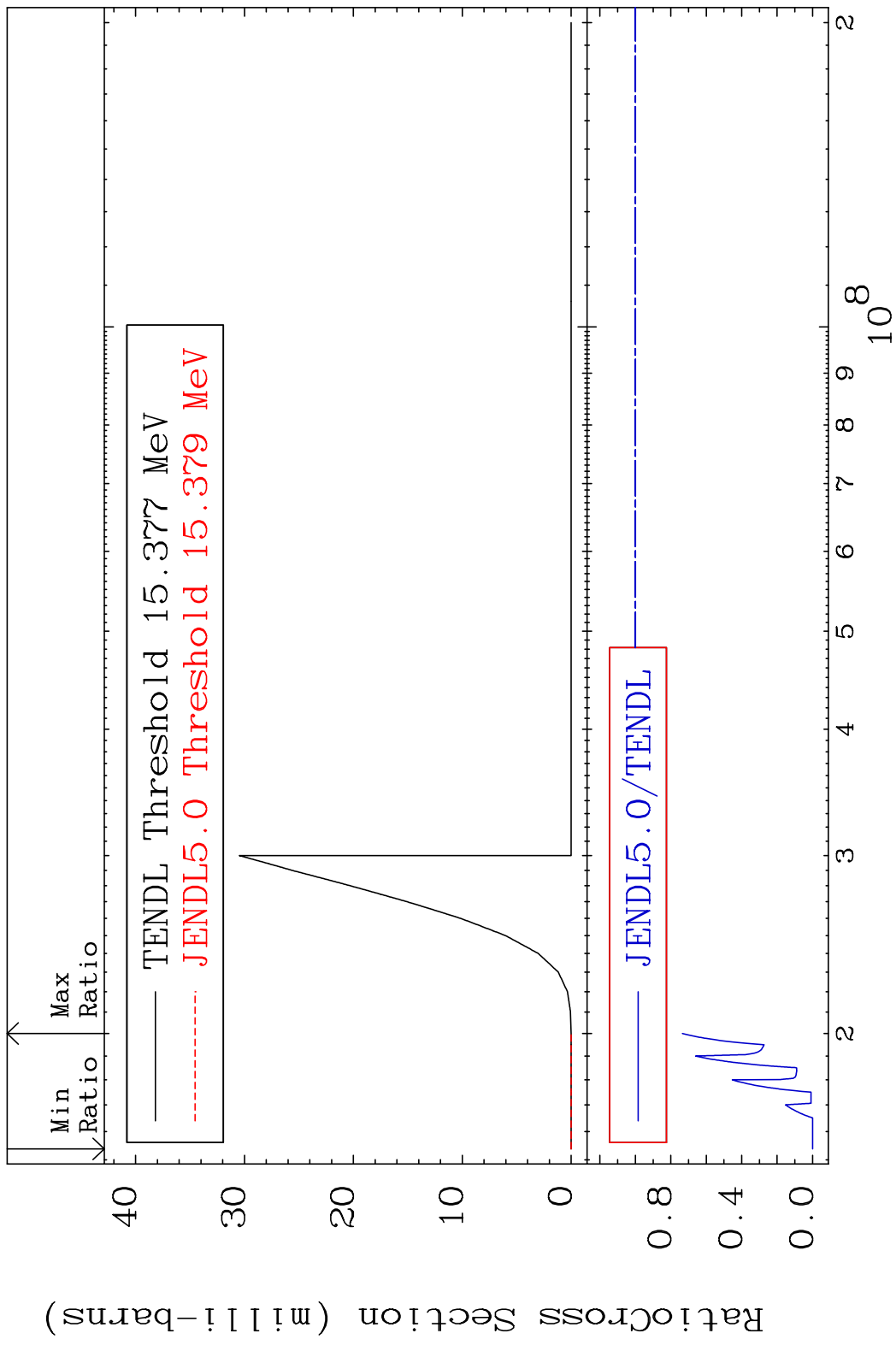
MAT 6425 Dpa disappearance (mt102 -120) 64-Gd-152  
 Cross Section -99.70 To 9999. %

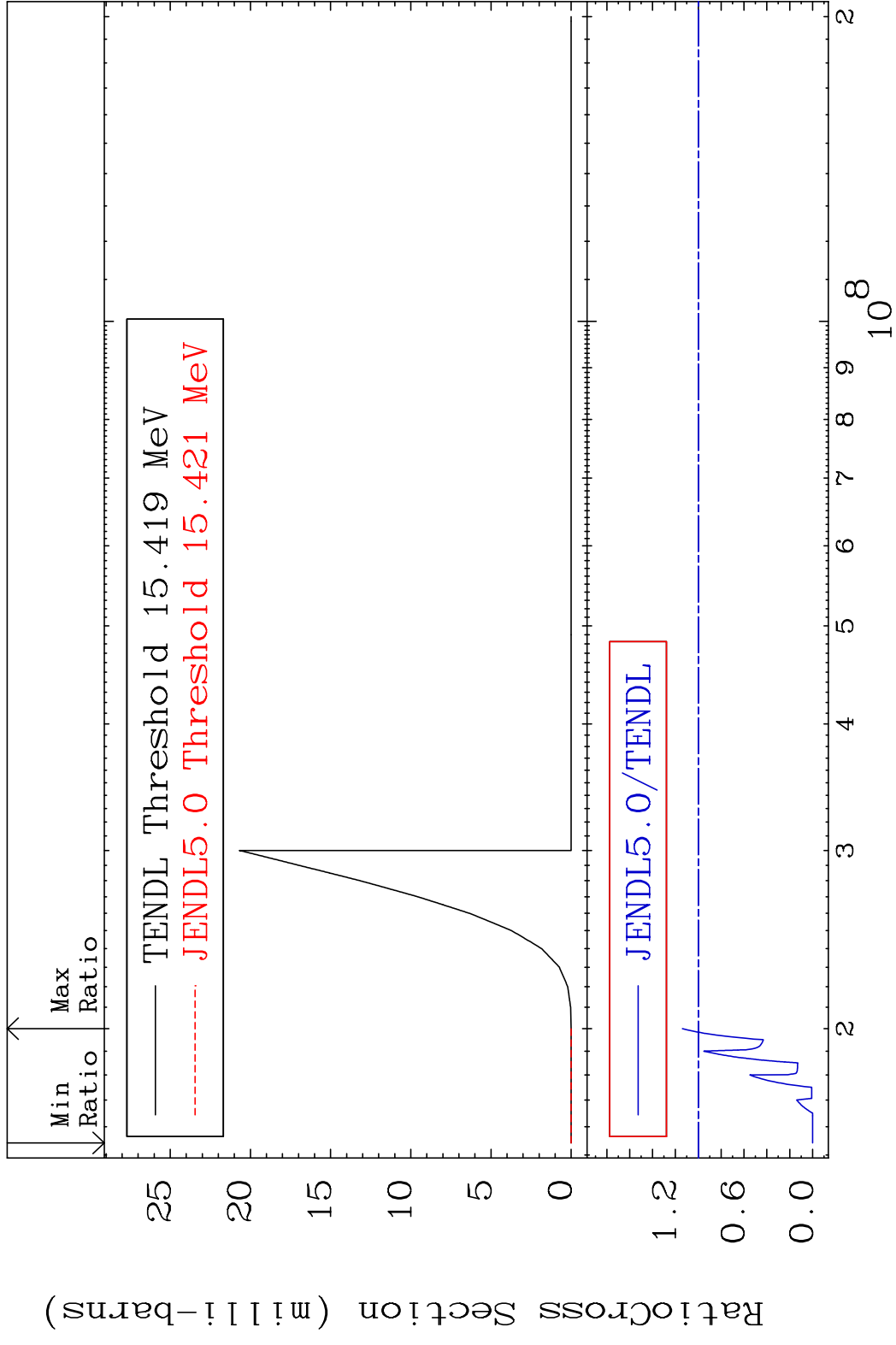




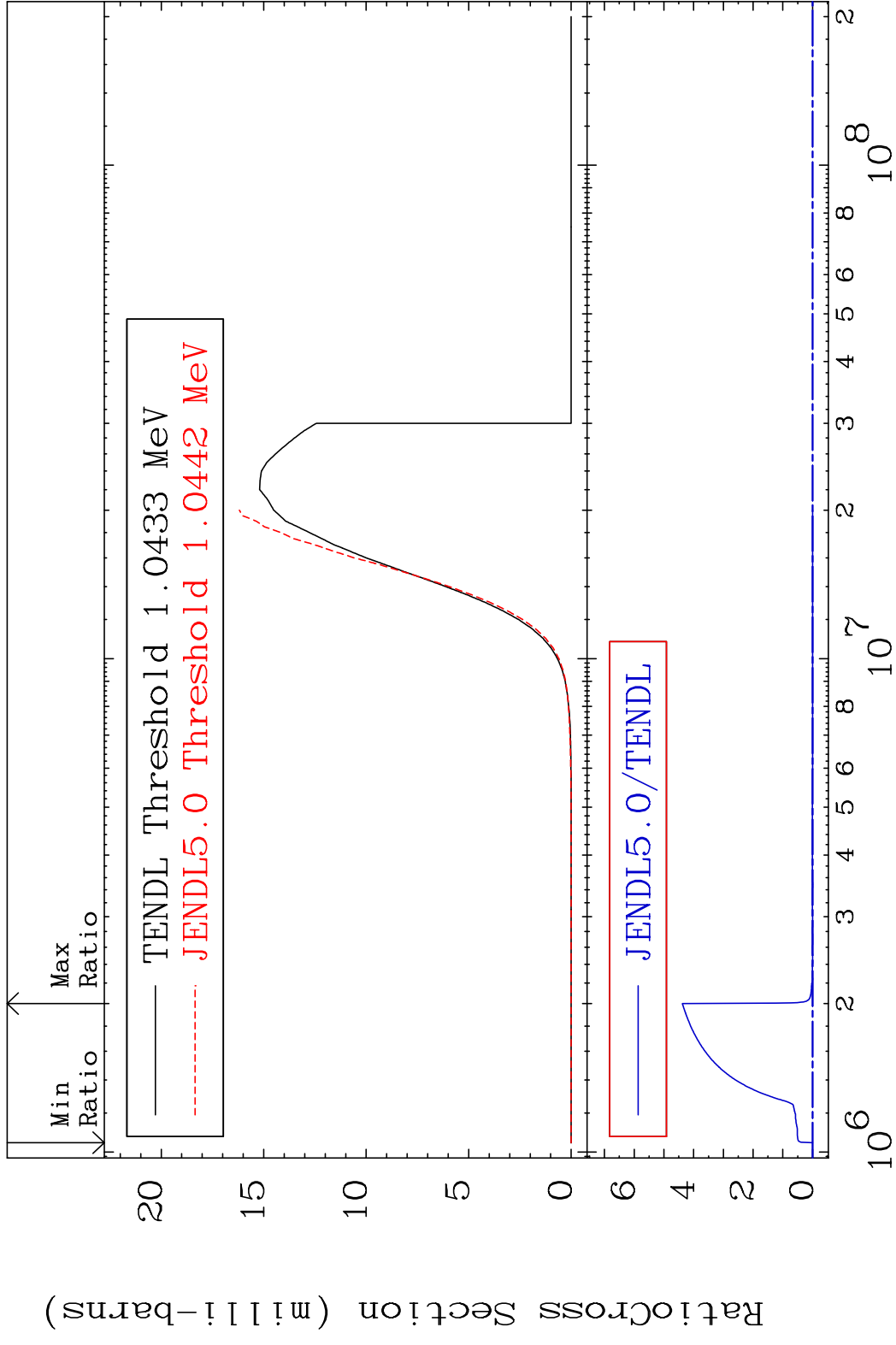
MAT 6425 (n, n') d:63-Eu-150m1 64-Gd-152  
 Radionuclide Production Cross Section 180.0 dth 7814. %





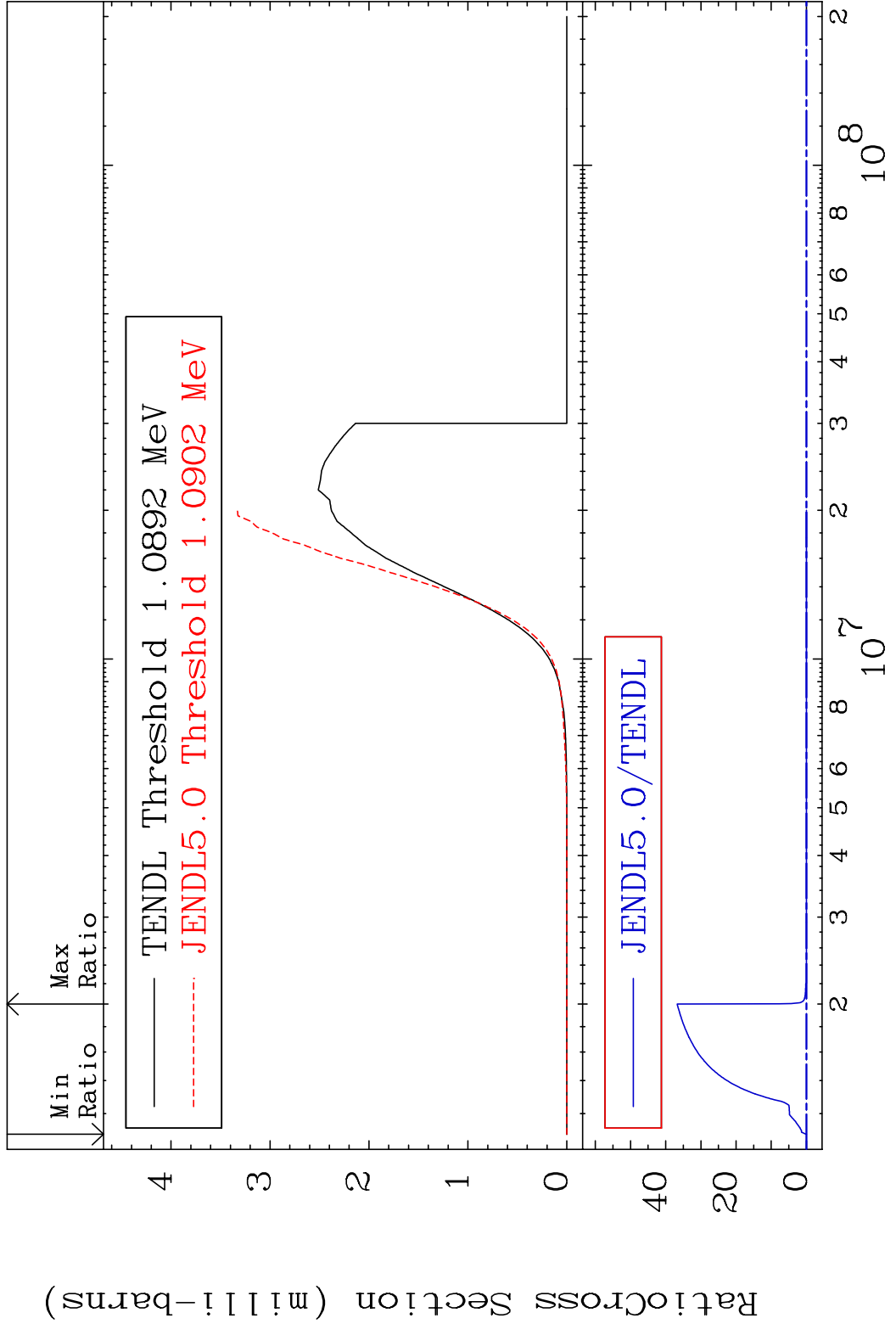


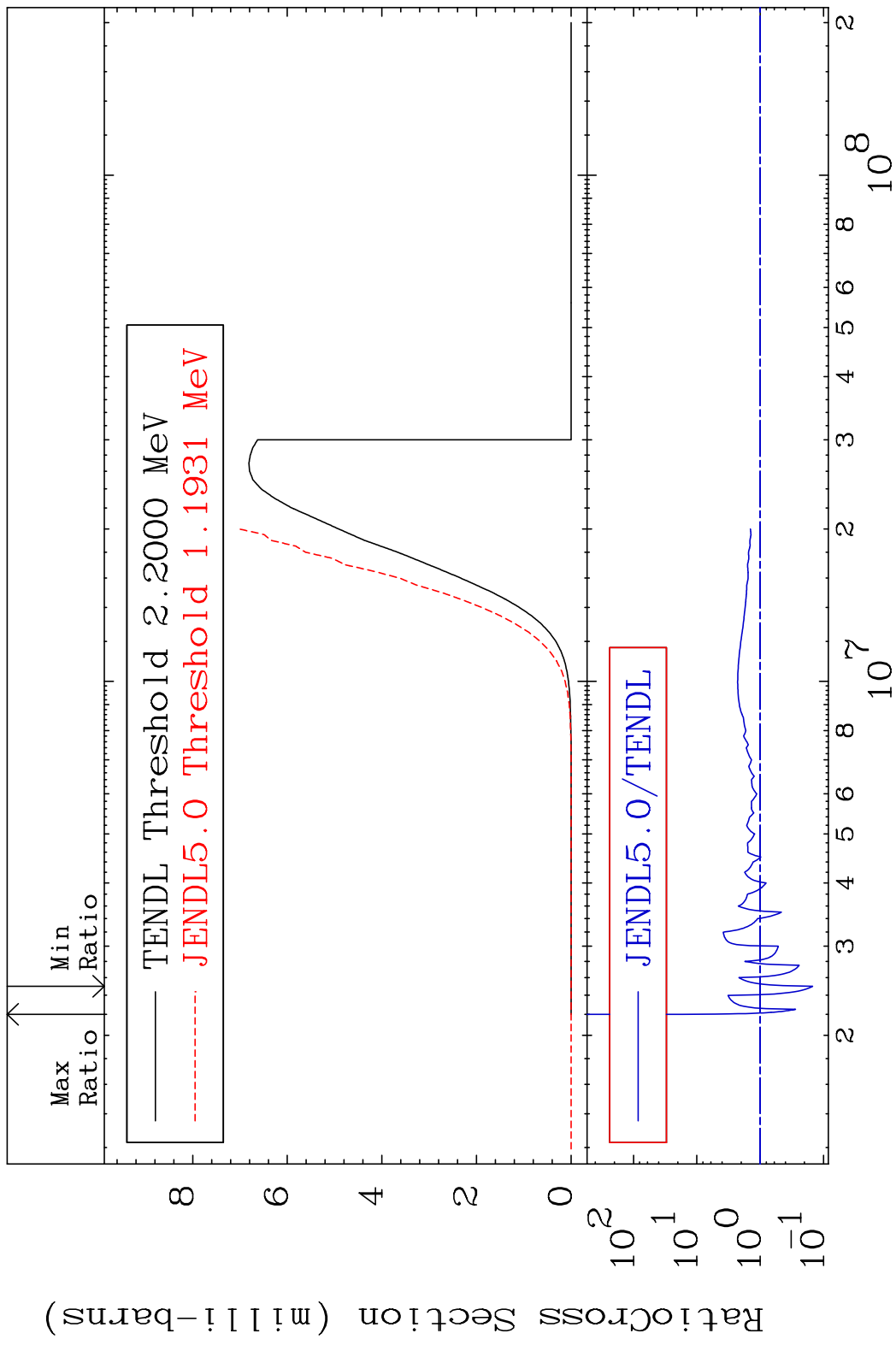
MAT 6425 (n,p):63-Eu-152g 64-Gd-152  
 Radionuclide Production Cross Section 100.0% 9999. %



69 Incident Energy (eV) 64-Gd-152

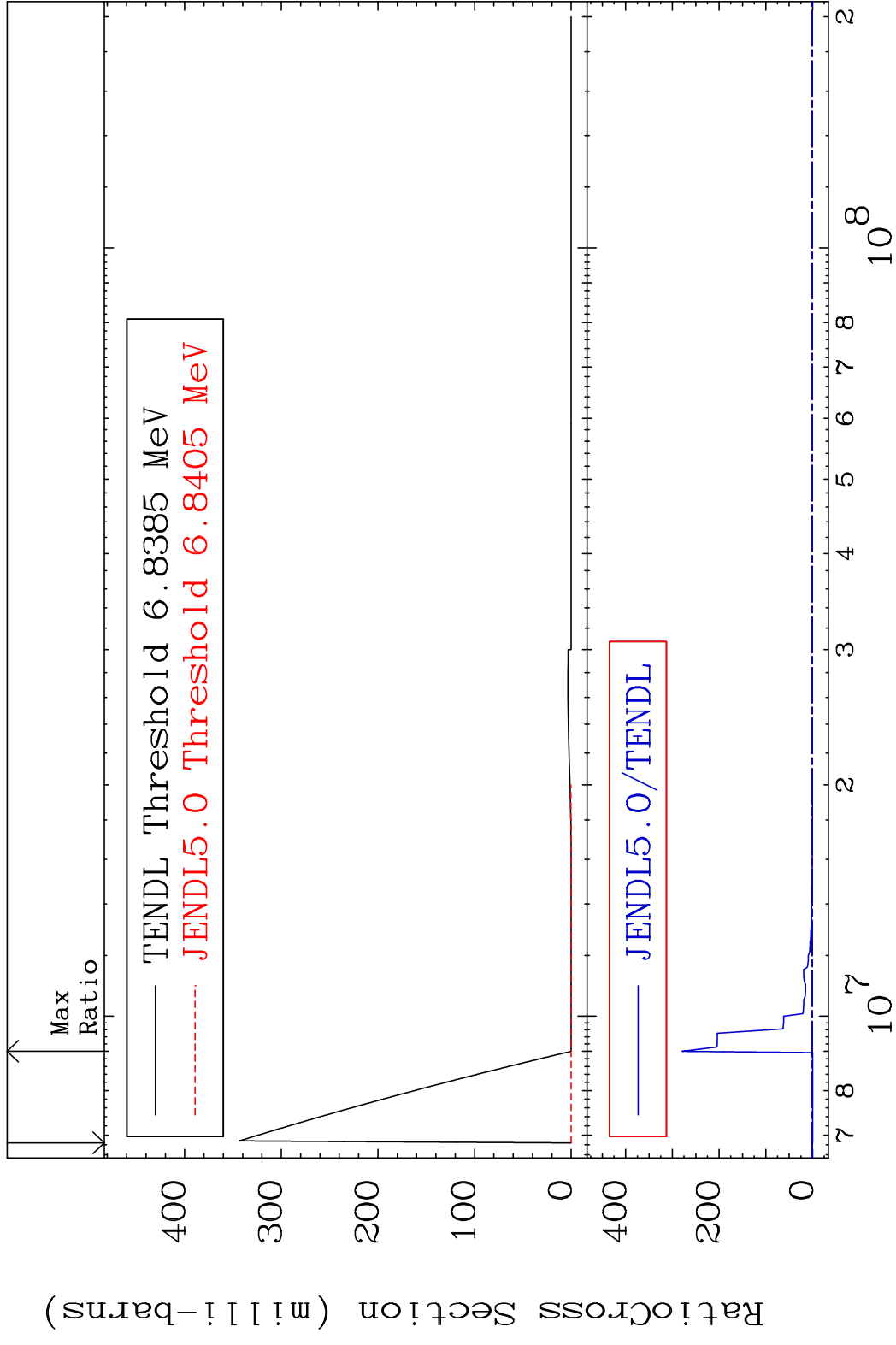
MAT 6425 (n, p): 63-Eu-152m1 64-Gd-152  
 Radionuclide Production Cross Section (%) 9999. %







MAT 6425 (n, t):63-Eu-150g 64-Gd-152  
 Radionuclide Production Cross Section Ratio 9999. %



72 Incident Energy (eV) 64-Gd-152

