

Program Complot
(Version 2018-1)

by

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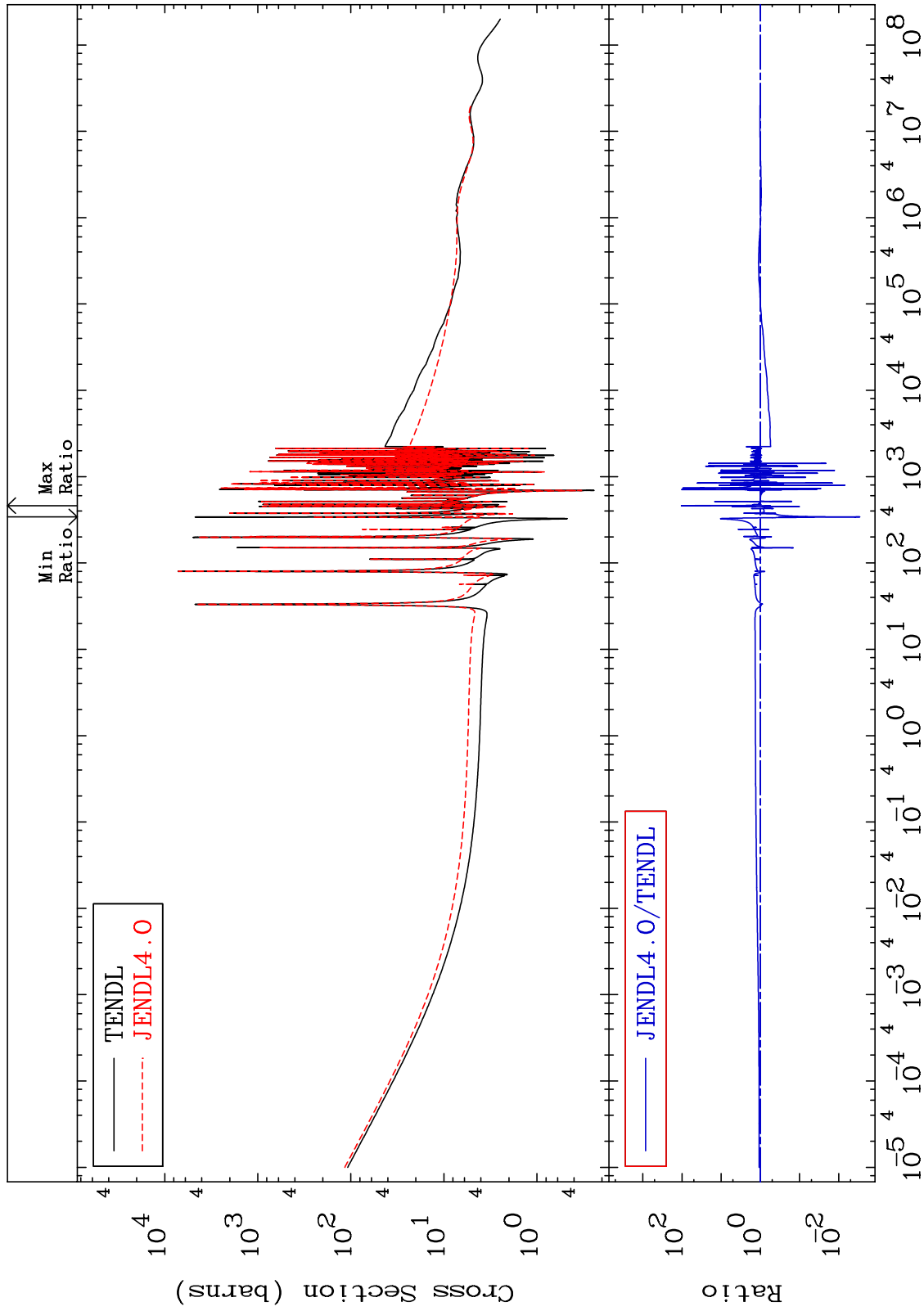
Press Mouse Button to Start

MAT 6437

Total
Cross Section

64-Gd-156

-99.71 To 9999. %



1

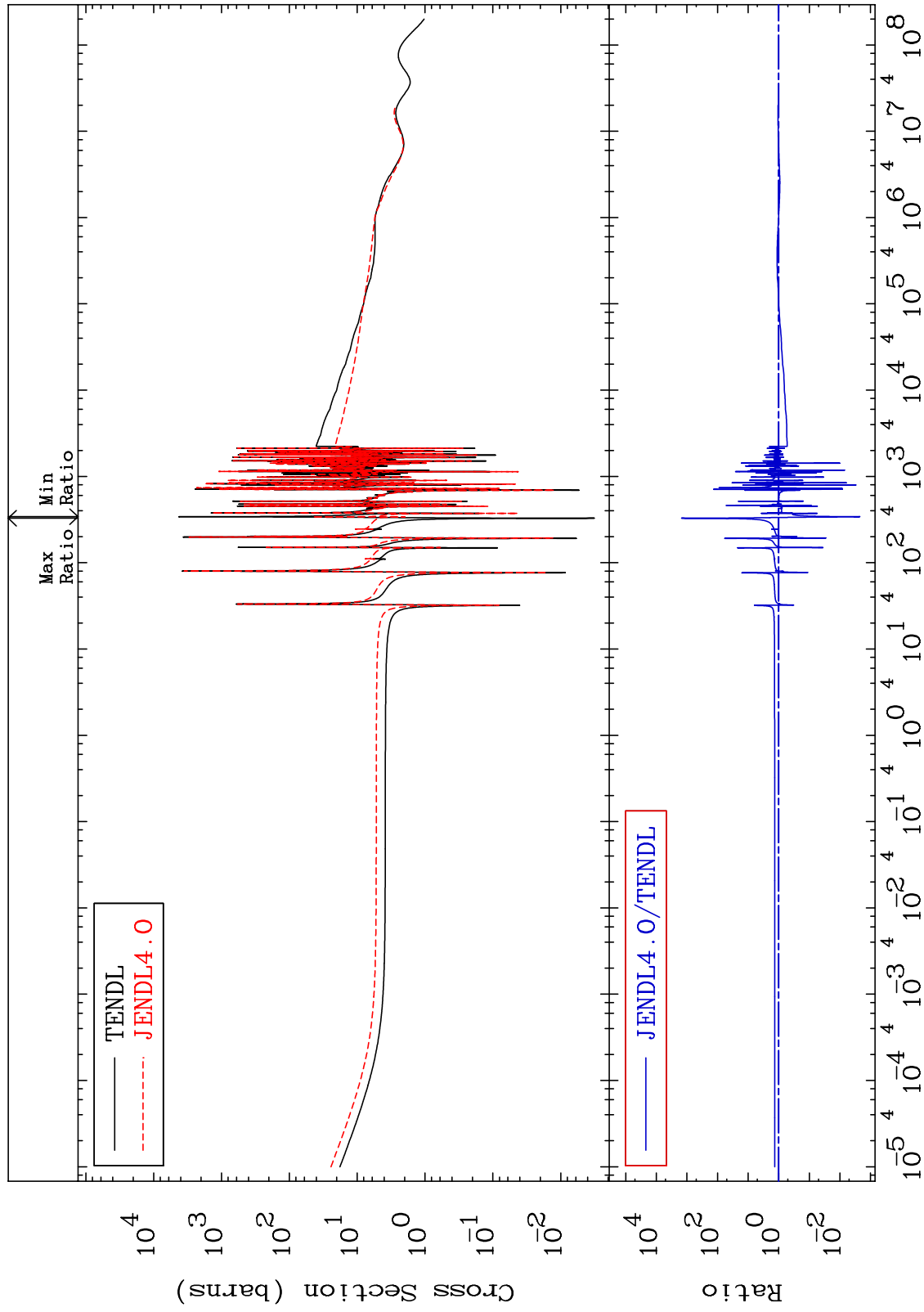
Incident Energy (eV)

64-Gd-156

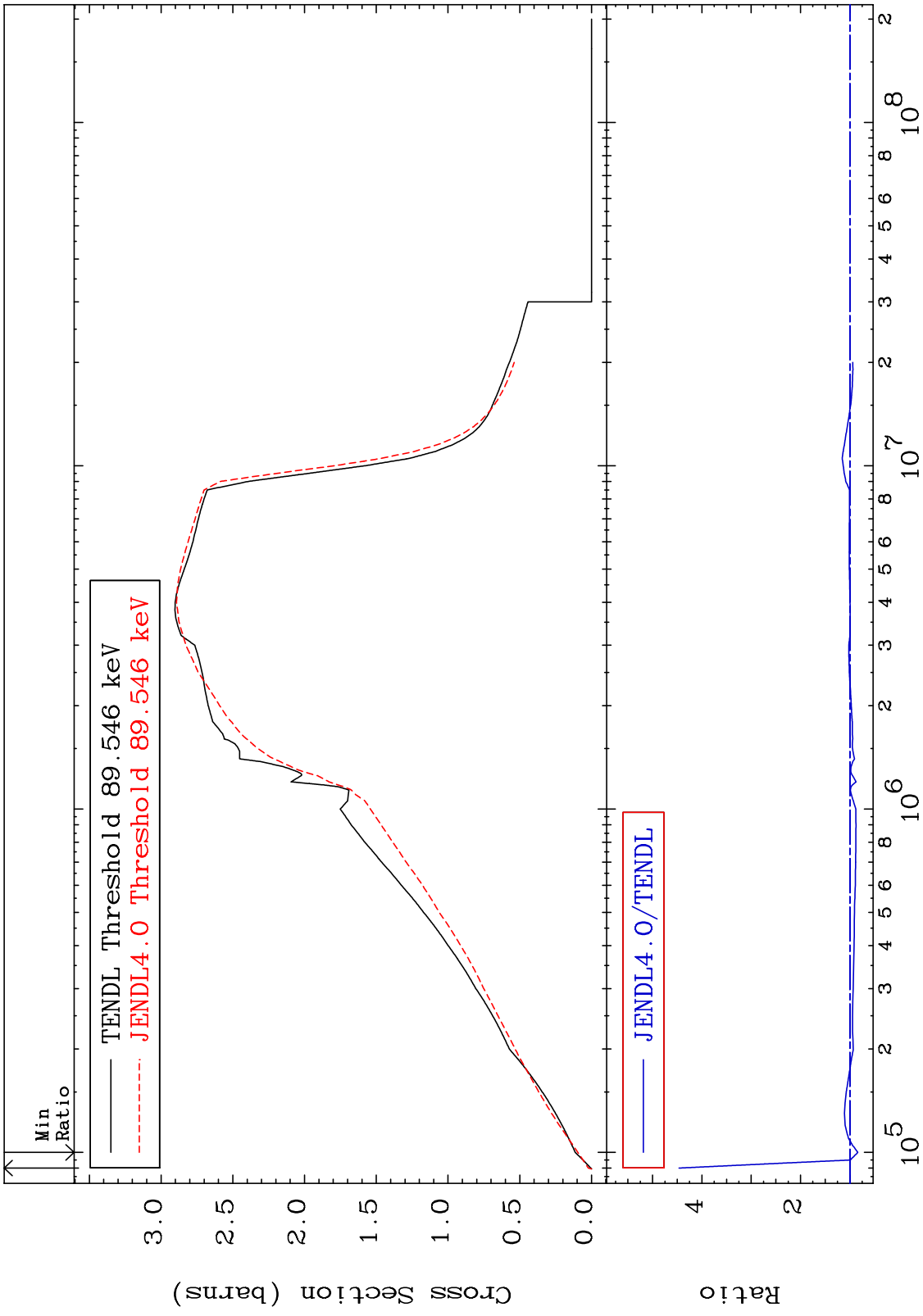
MAT 6437

Elastic
Cross Section

64-Gd-156
-99.78 To 9999. %

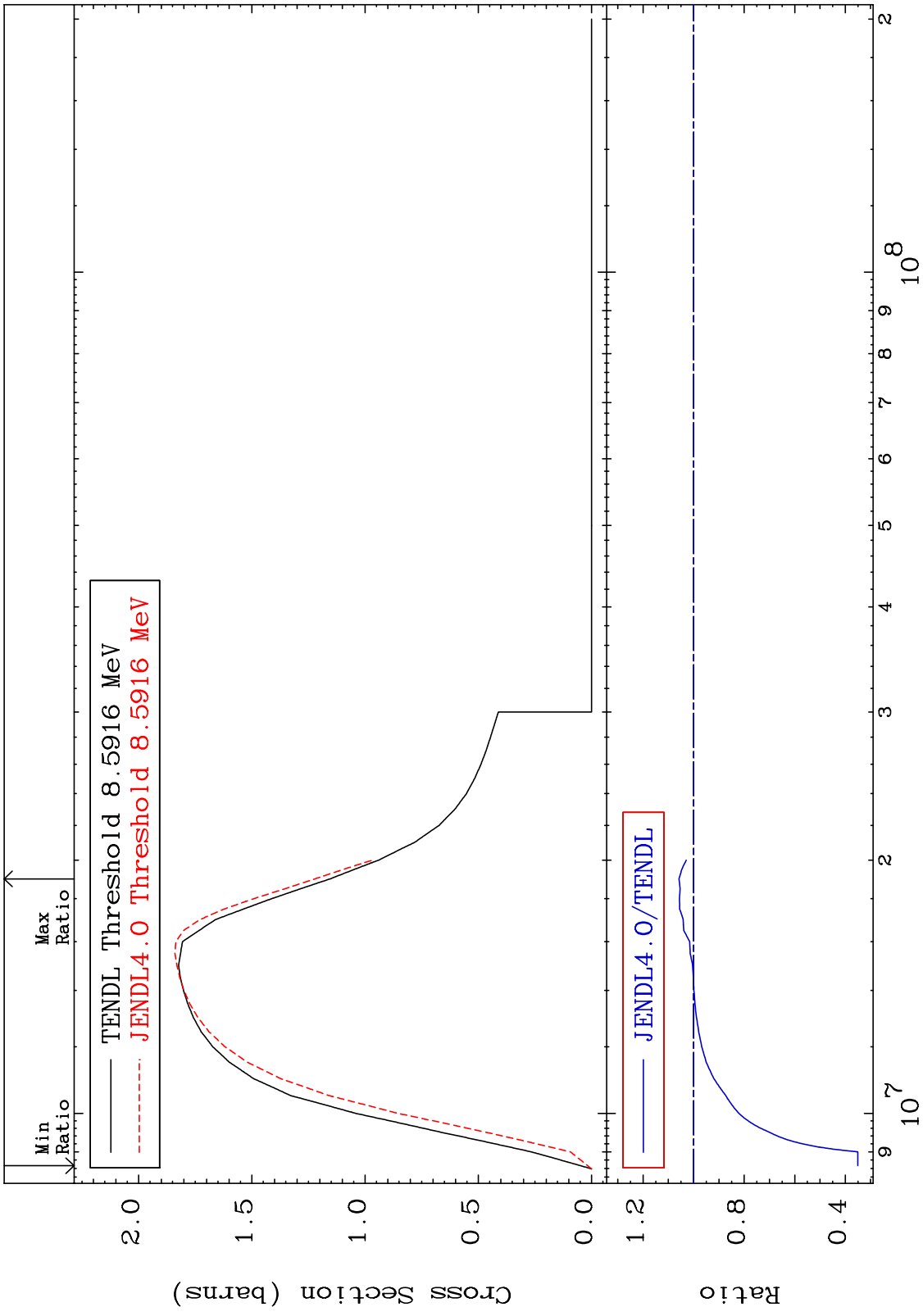


MAT 6437 Inelastic Cross Section 64-Gd-156 -16.25 To 346.3 %



64-Gd-156

MAT 6437 (n,2n) Cross Section 64-Gd-156 -64.96 To 5.772 %



4 64-Gd-156 Incident Energy (eV)

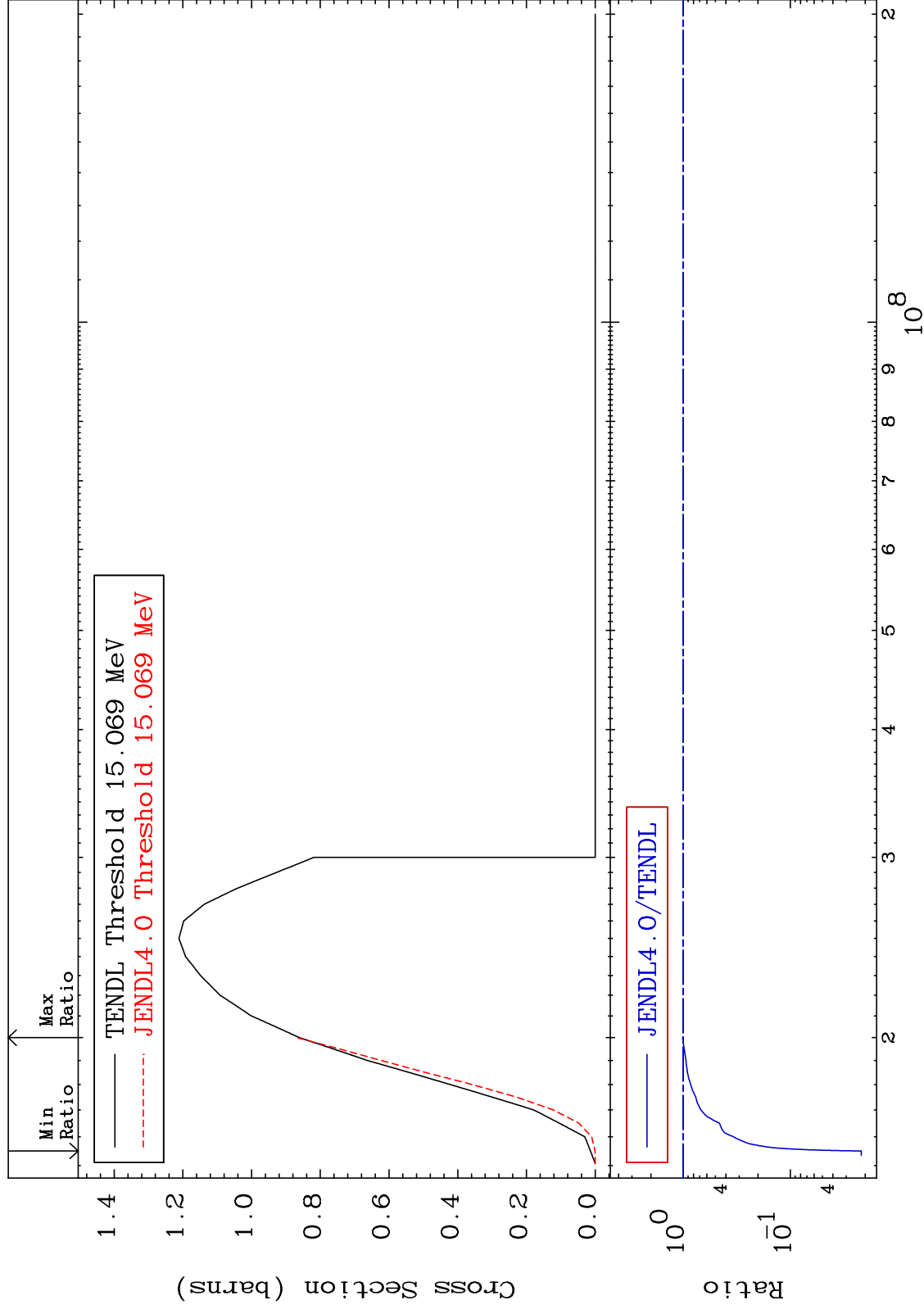
MAT 6437

(n,3n)

64-Gd-156

Cross Section

-97.83 To 0.956 %



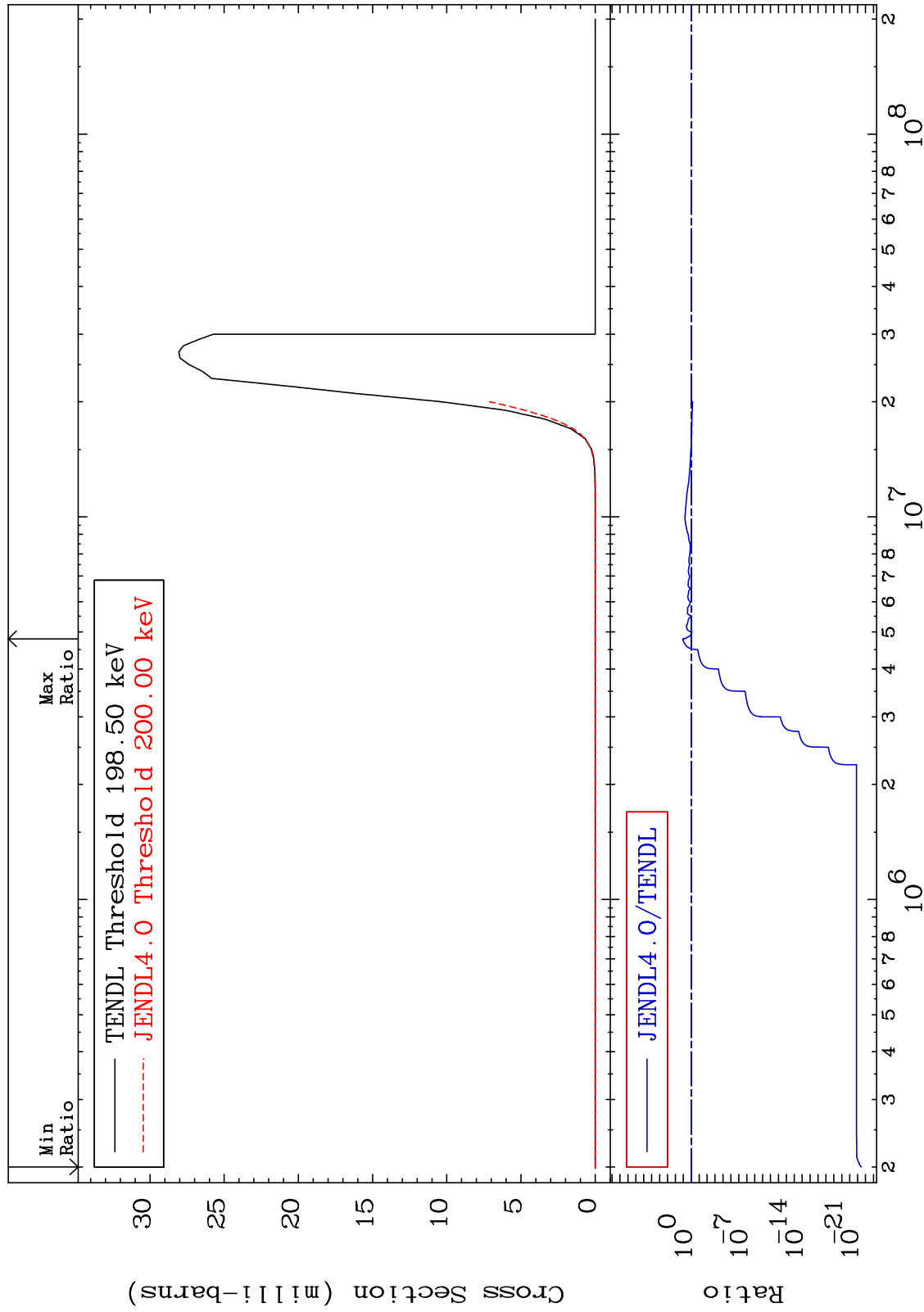
MAT 6437

(n,n') α

64-Gd-156

-100.0 To 1118. %

Cross Section



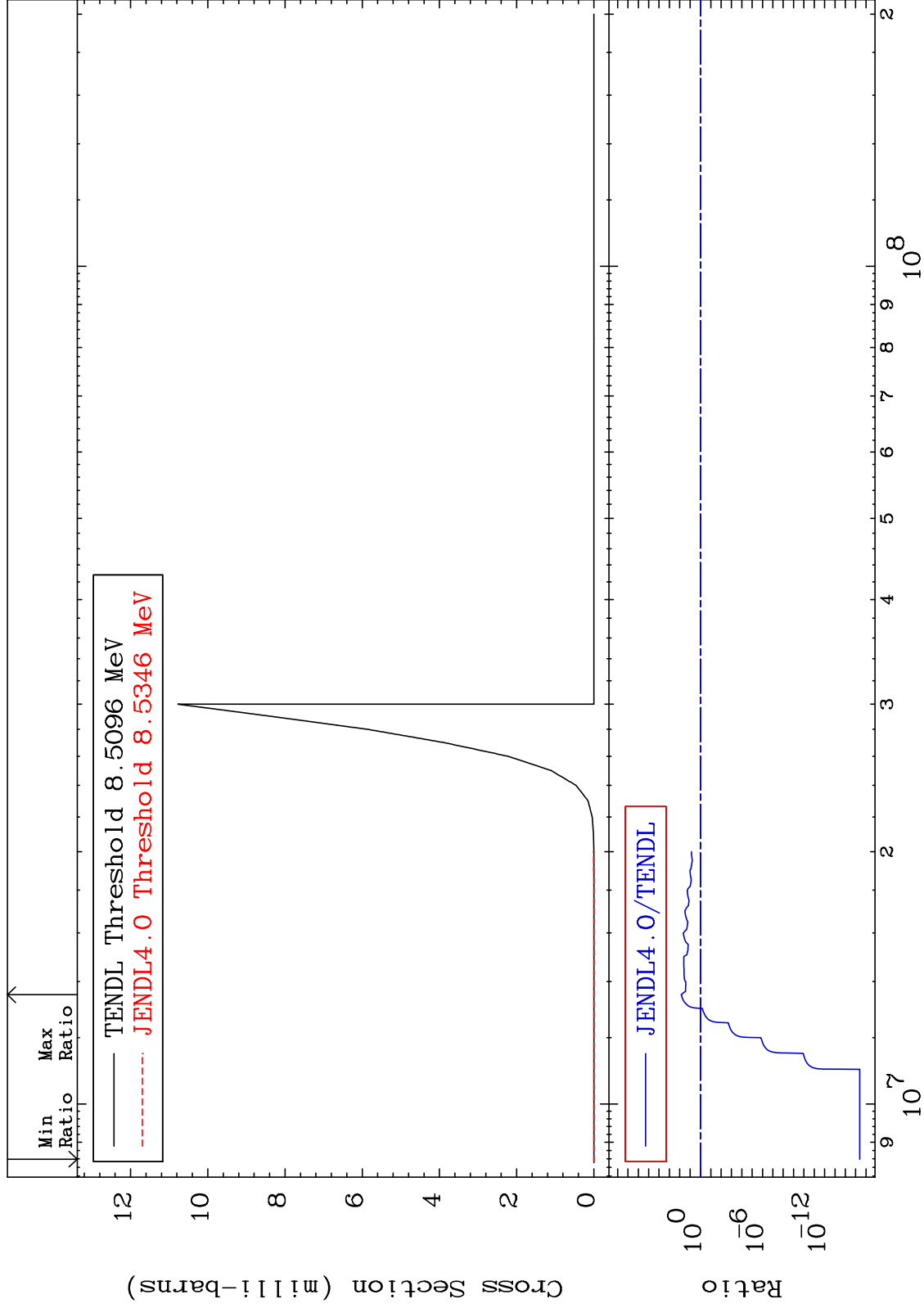
MAT 6437

(n,2n) α

64-Gd-156

Cross Section

-100.0 To 7011. %



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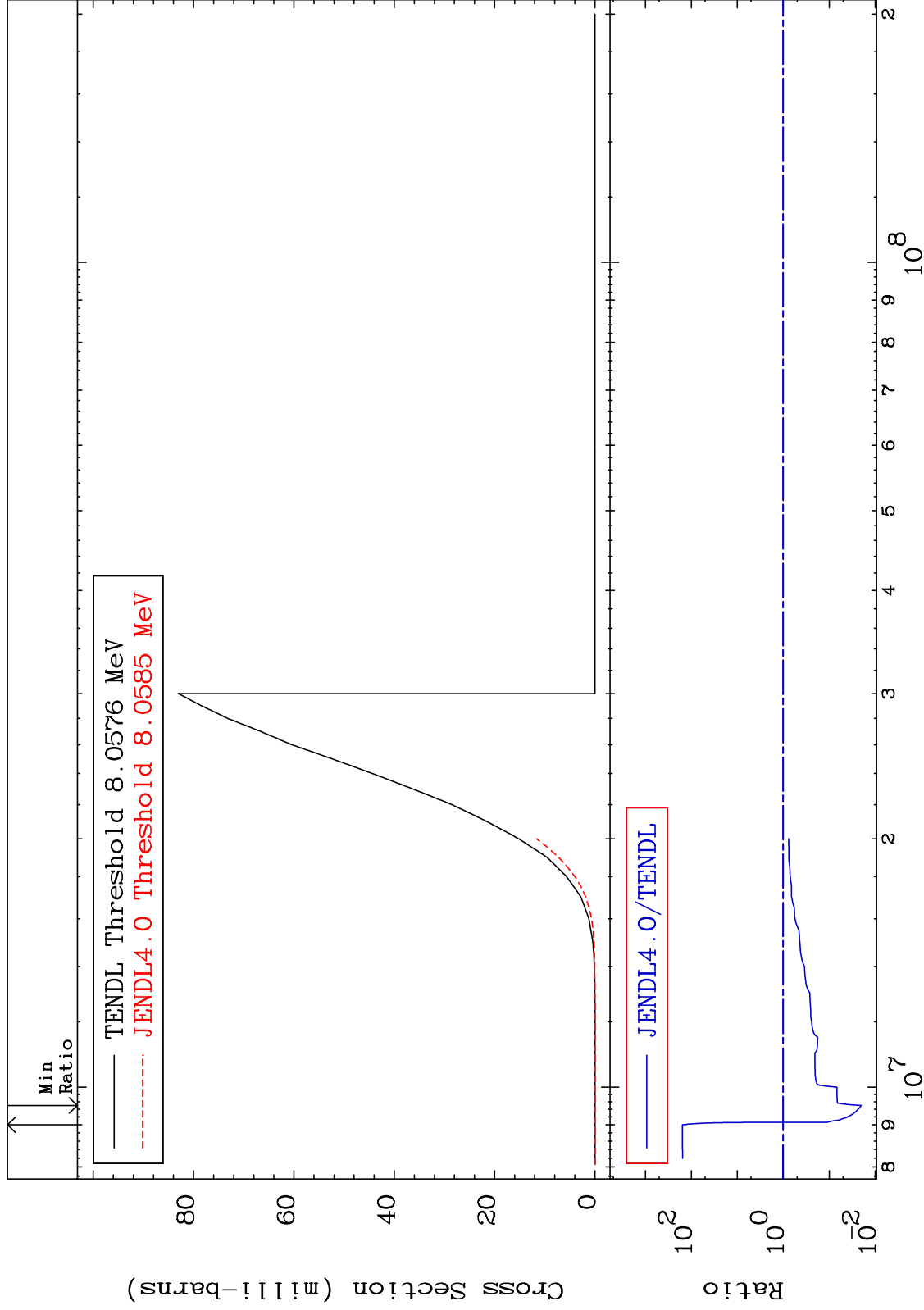
Incident Energy (eV)

64-Gd-156

MAT 6437

(n,n') p
Cross Section

64-Gd-156
-97.99 To 9999. %

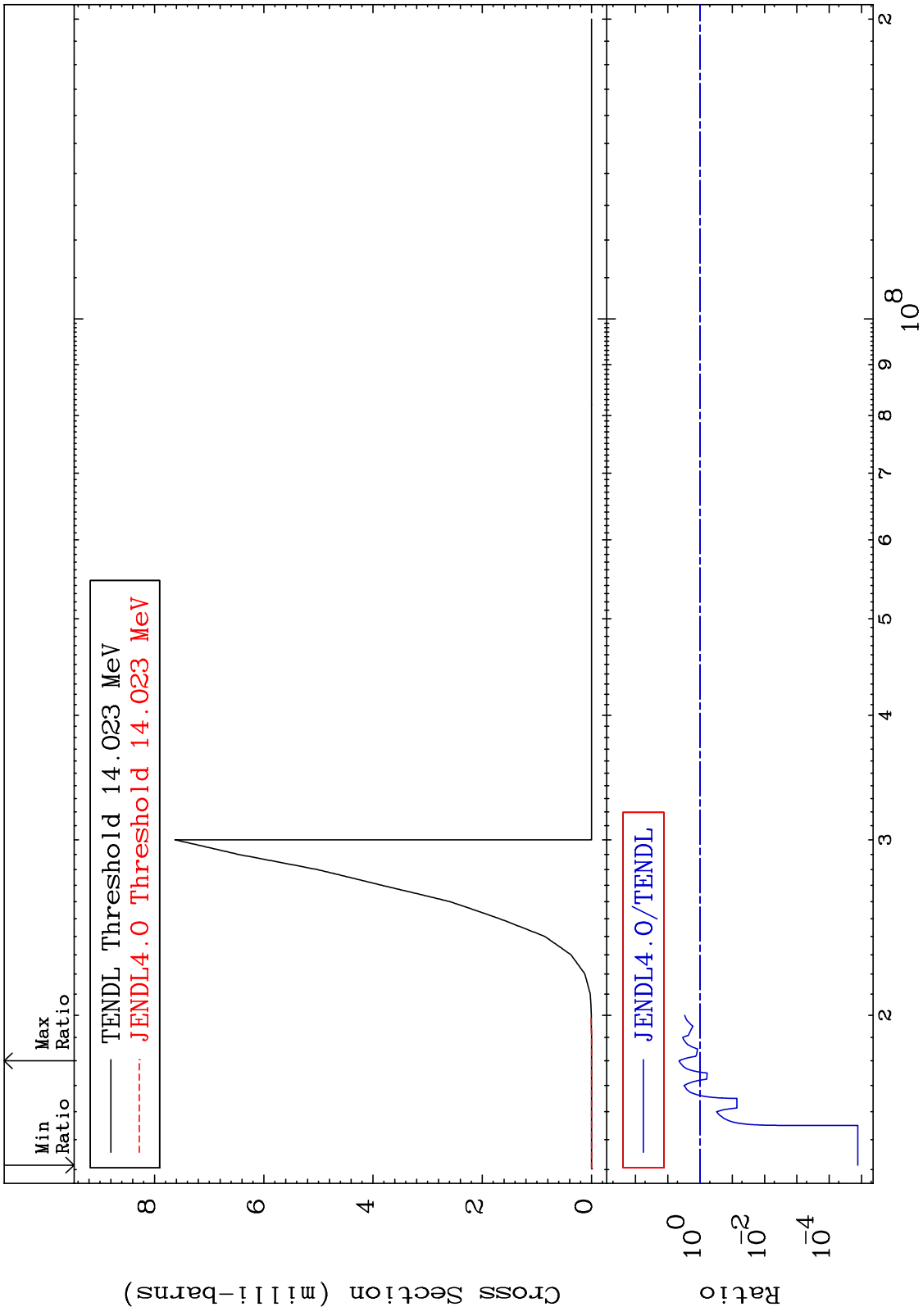


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Incident Energy (eV)

64-Gd-156

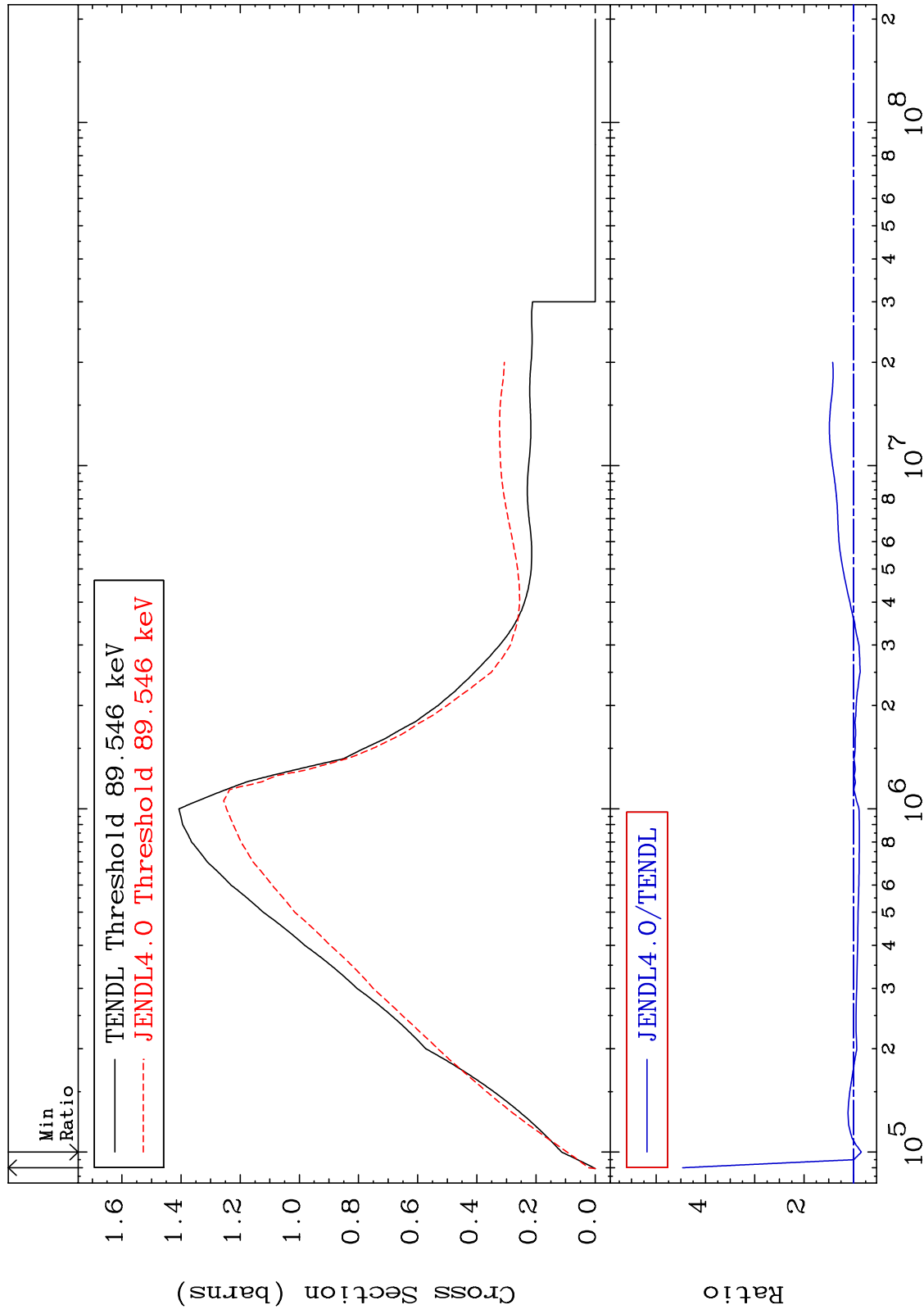
MAT 6437 (n,n') d 64-Gd-156
 Cross Section -100.0 To 346.1 %



MAT 6437

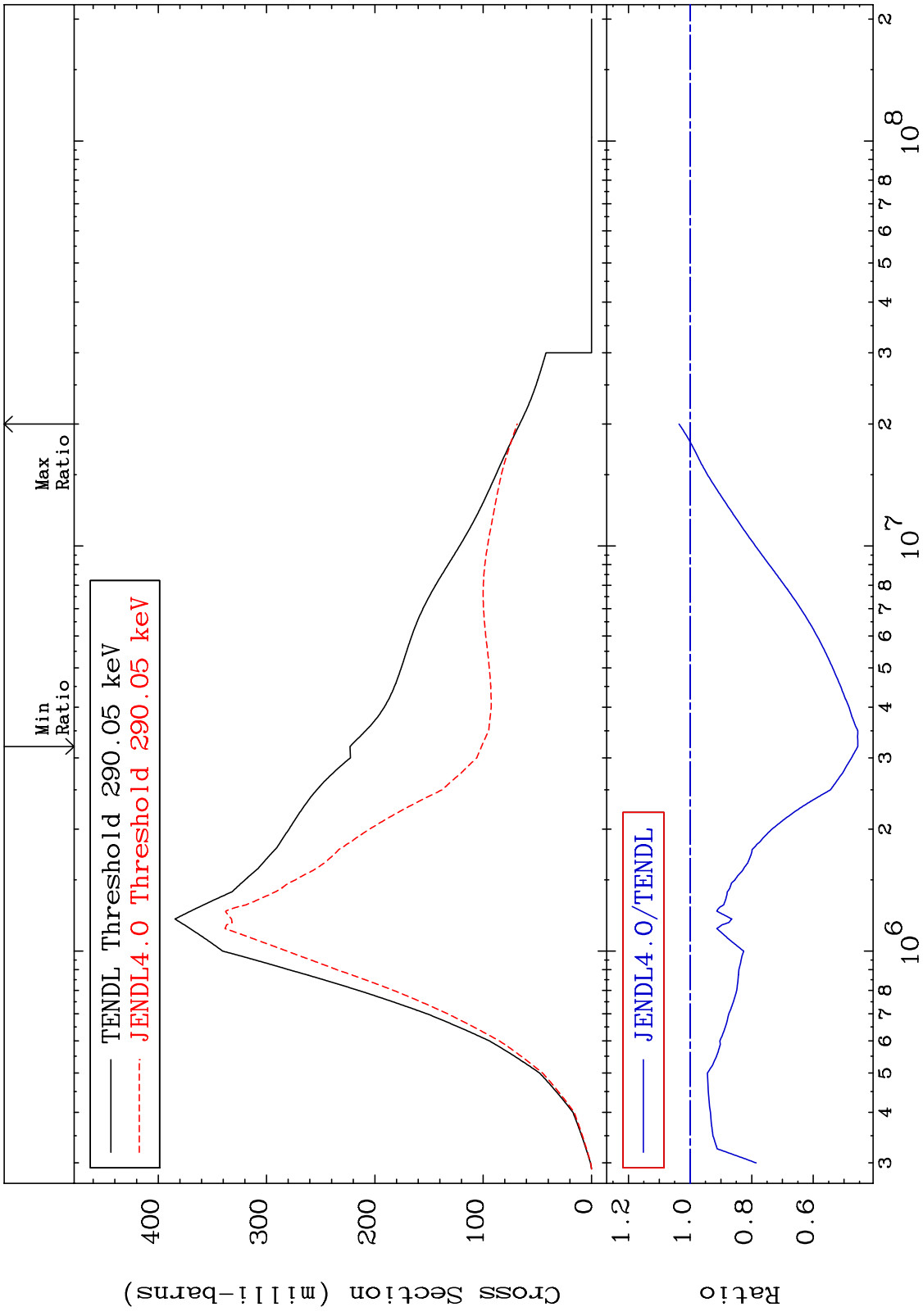
MT= 51 (n,n') Level
Cross Section

64-Gd-156
-16.25 To 346.3 %

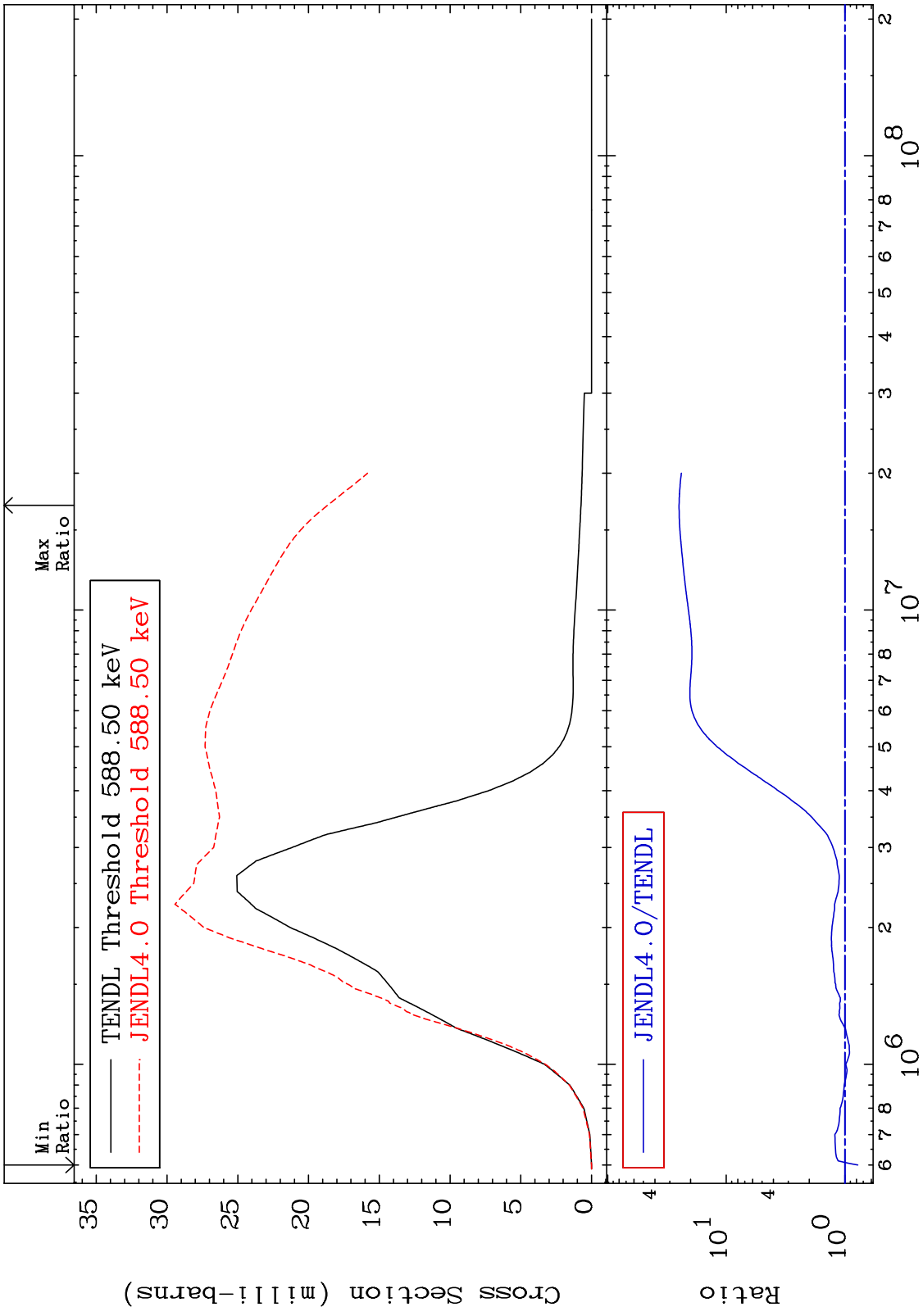


64-Gd-156

MAT 6437 MT= 52 (n,n') Level Cross Section 64-Gd-156
 -54.46 To 3.578 %

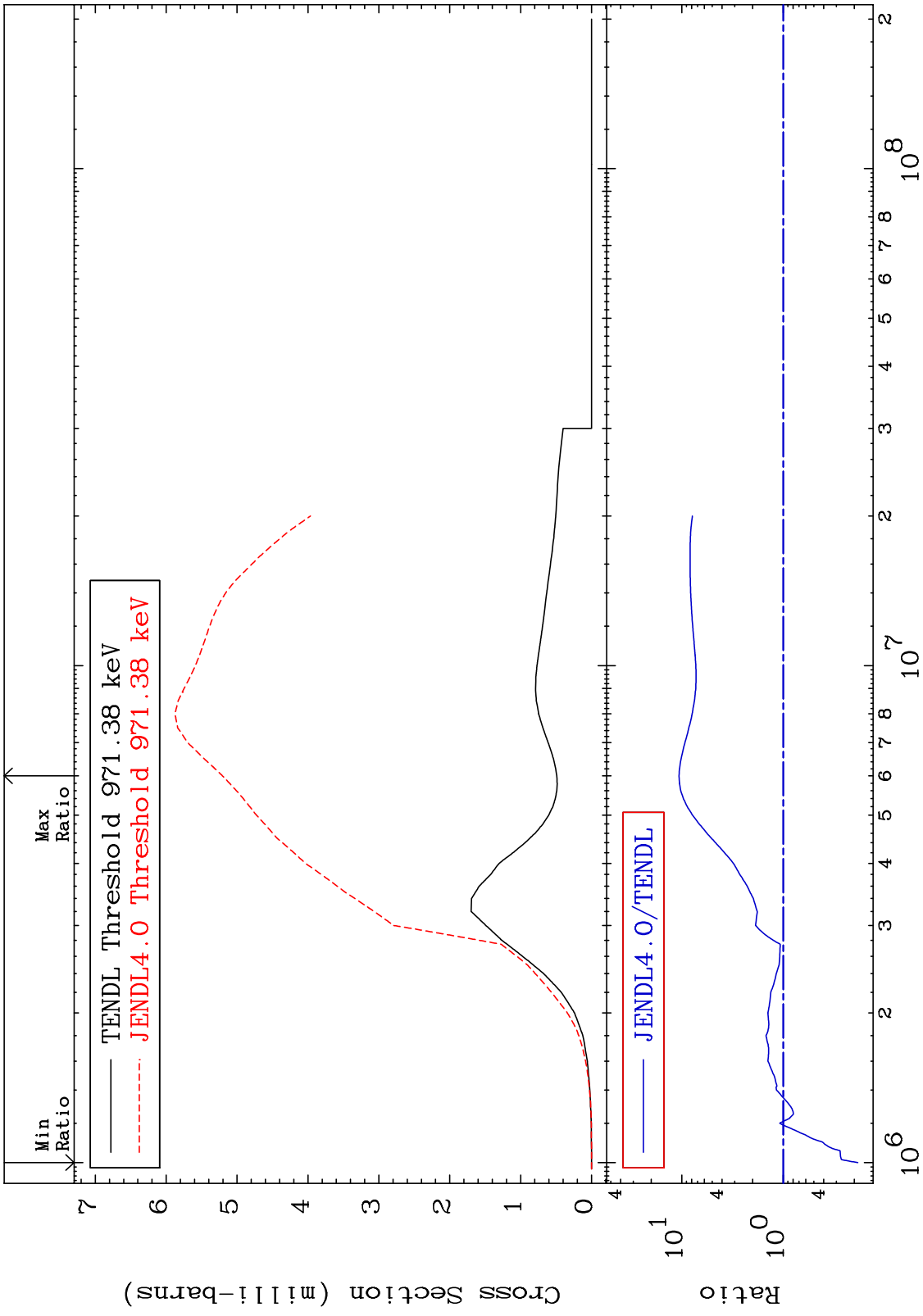


MAT 6437 MT= 53 (n,n') Level 64-Gd-156
 Cross Section -22.13 To 2402. %



12 Incident Energy (eV) 64-Gd-156

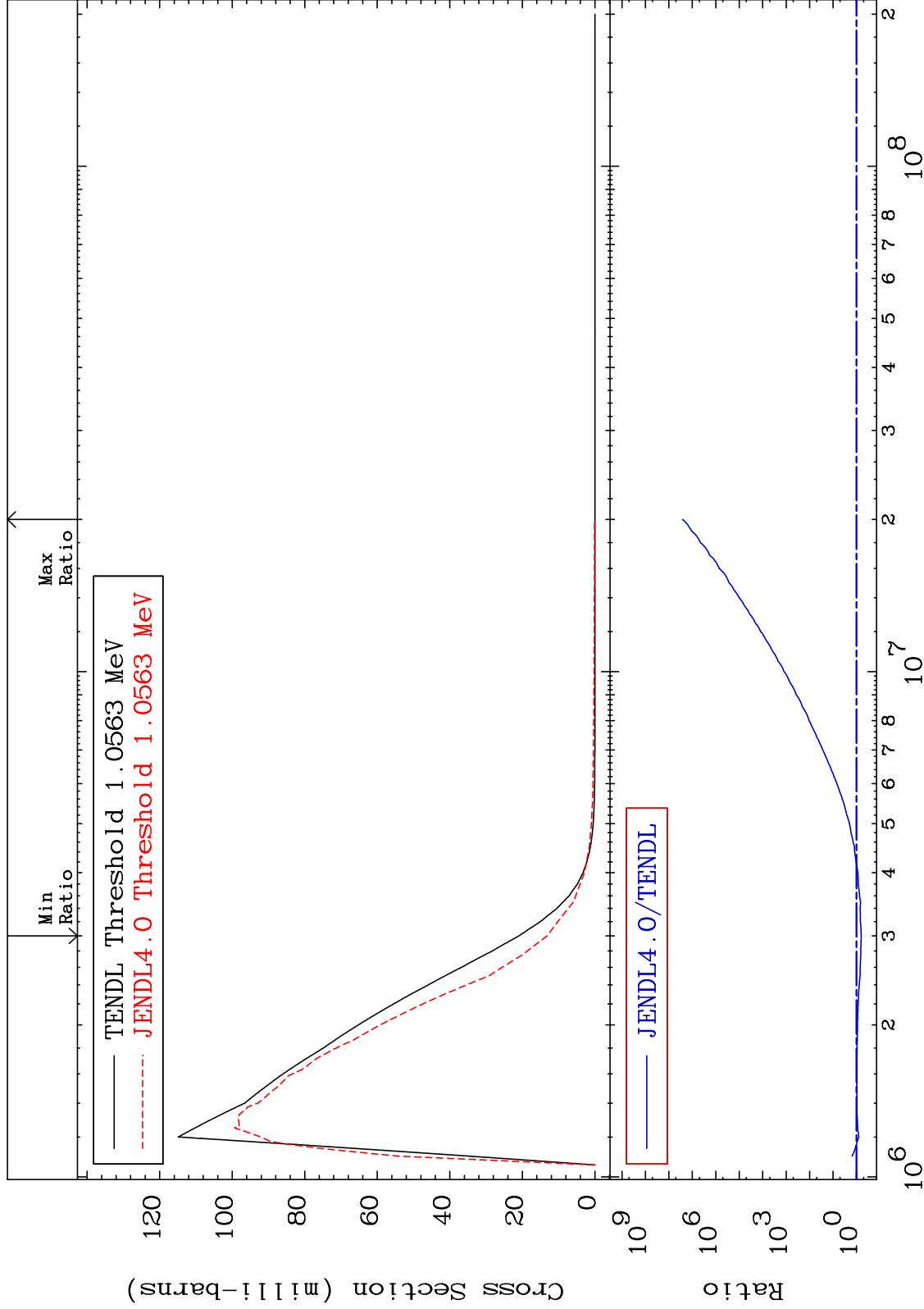
MAT 6437 MT= 54 (n,n') Level Cross Section 64-Gd-156 -81.57 To 962.7 %



MAT 6437

MT= 55 (n,n') Level
Cross Section

64-Gd-156
-37.29 To 9999. %

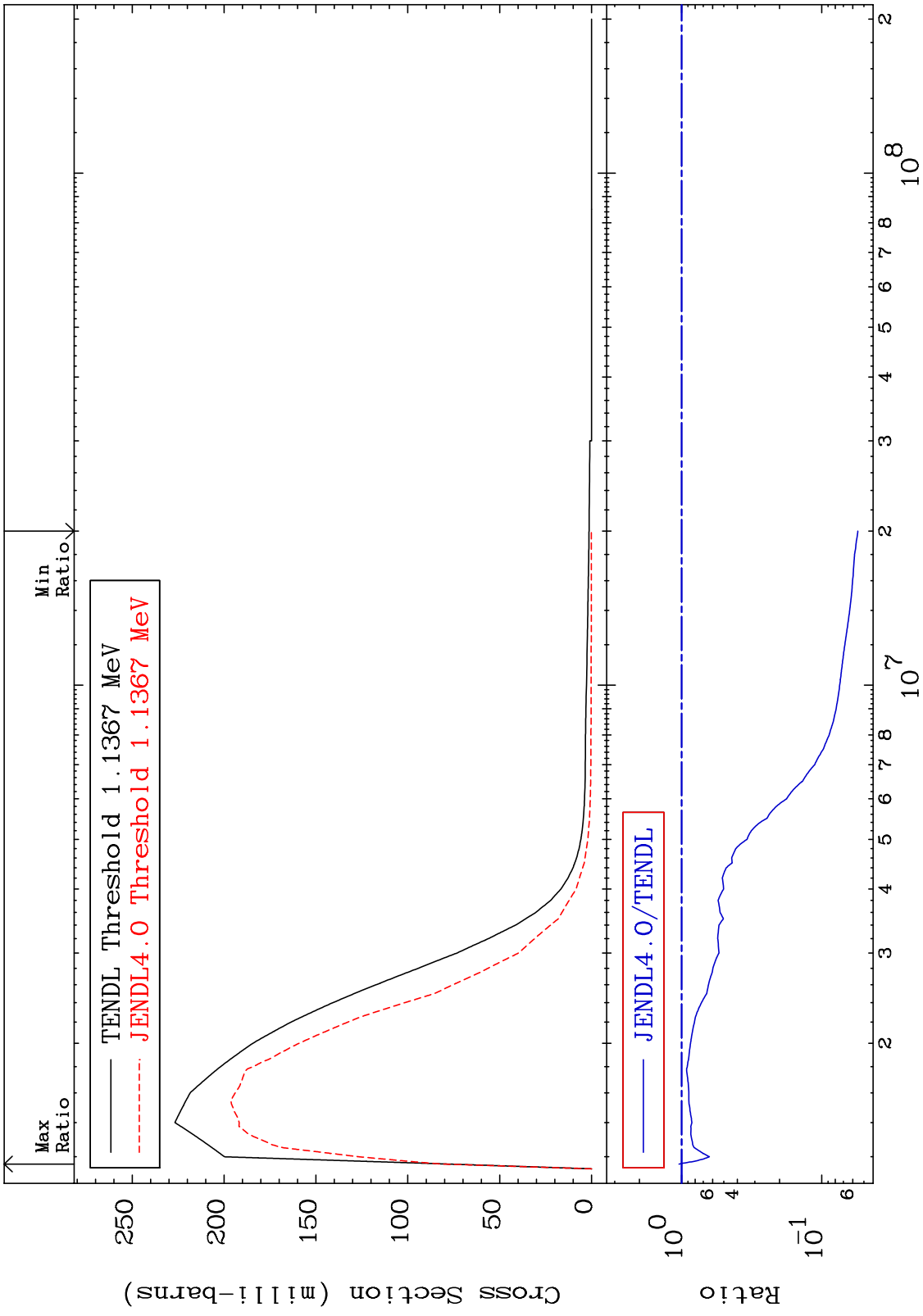


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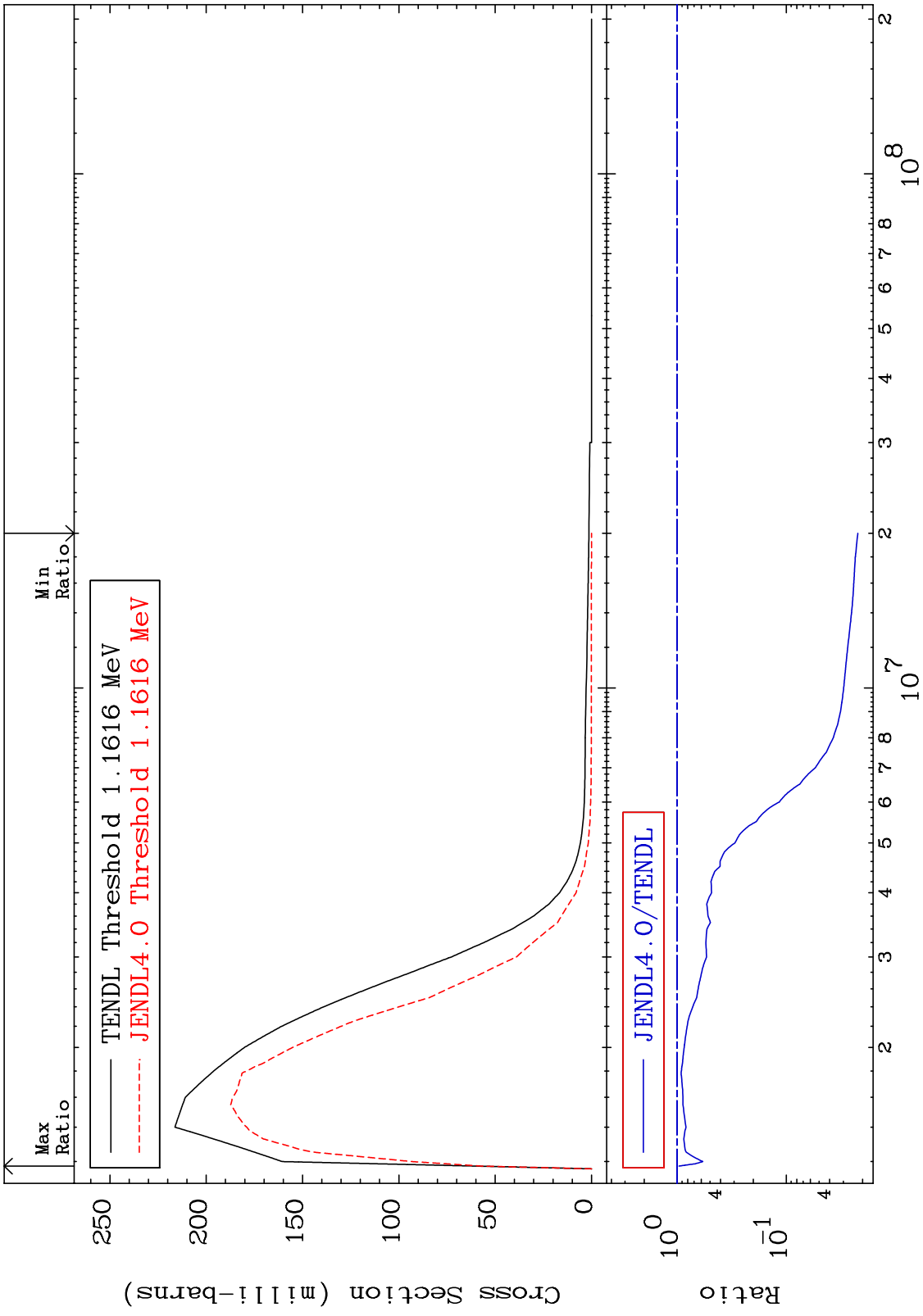
Incident Energy (eV)

64-Gd-156

MAT 6437 MT= 56 (n,n') Level Cross Section 64-Gd-156
 -94.48 To 4.318 %



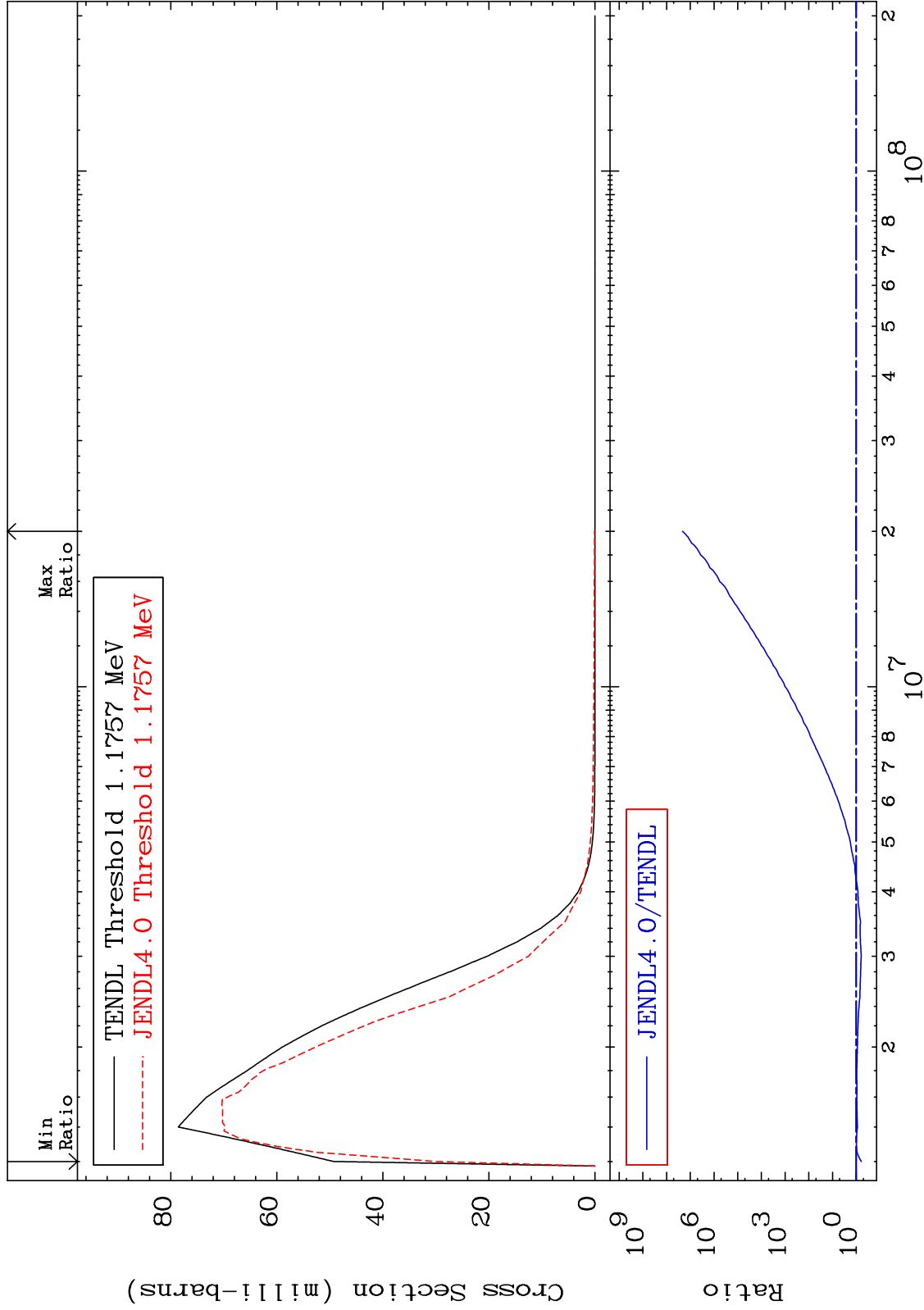
MAT 6437 MT= 57 (n,n') Level Cross Section 64-Gd-156 -97.79 To -4.101%



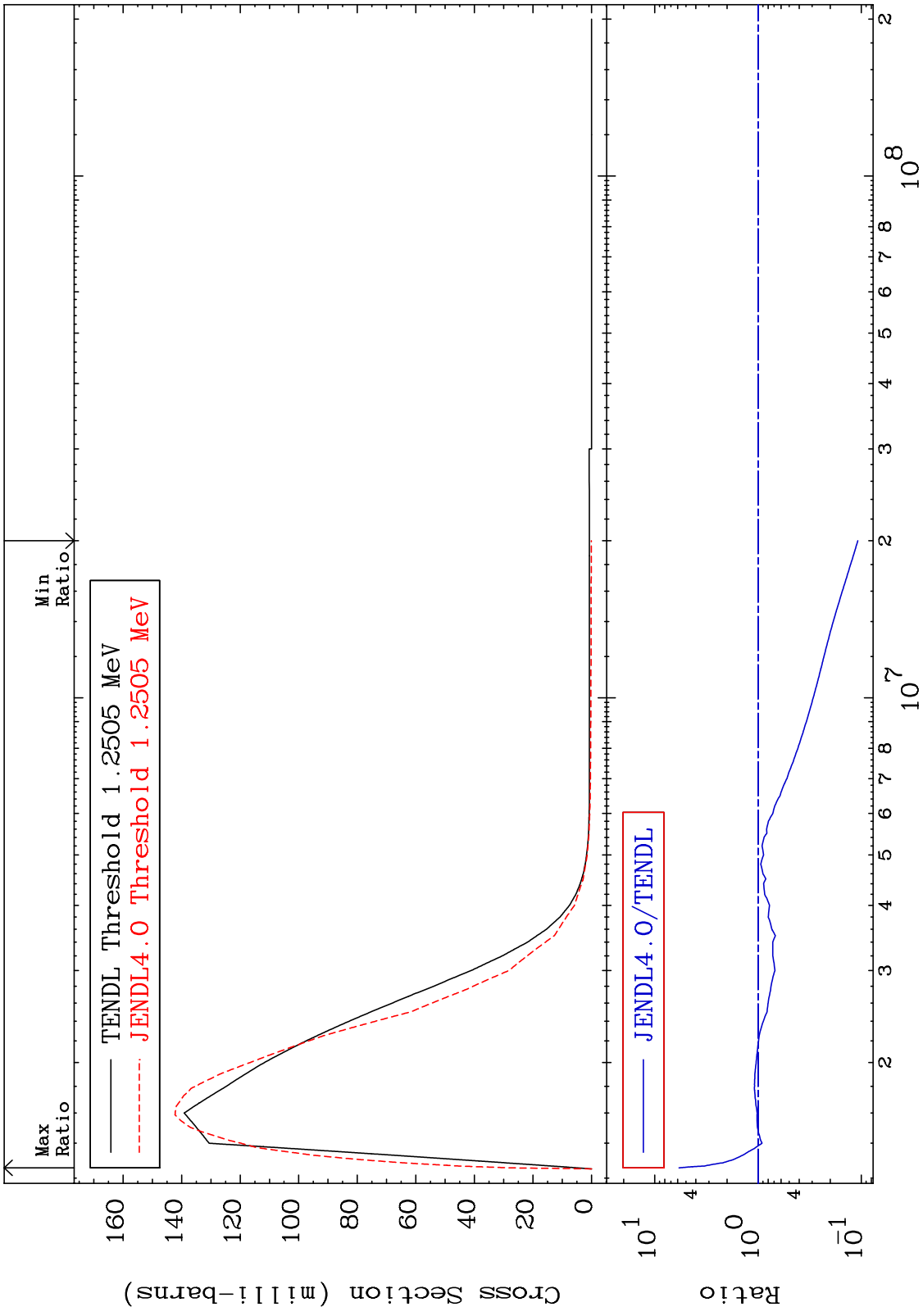
MAT 6437

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

64-Gd-156
-38.90 To 9999. %



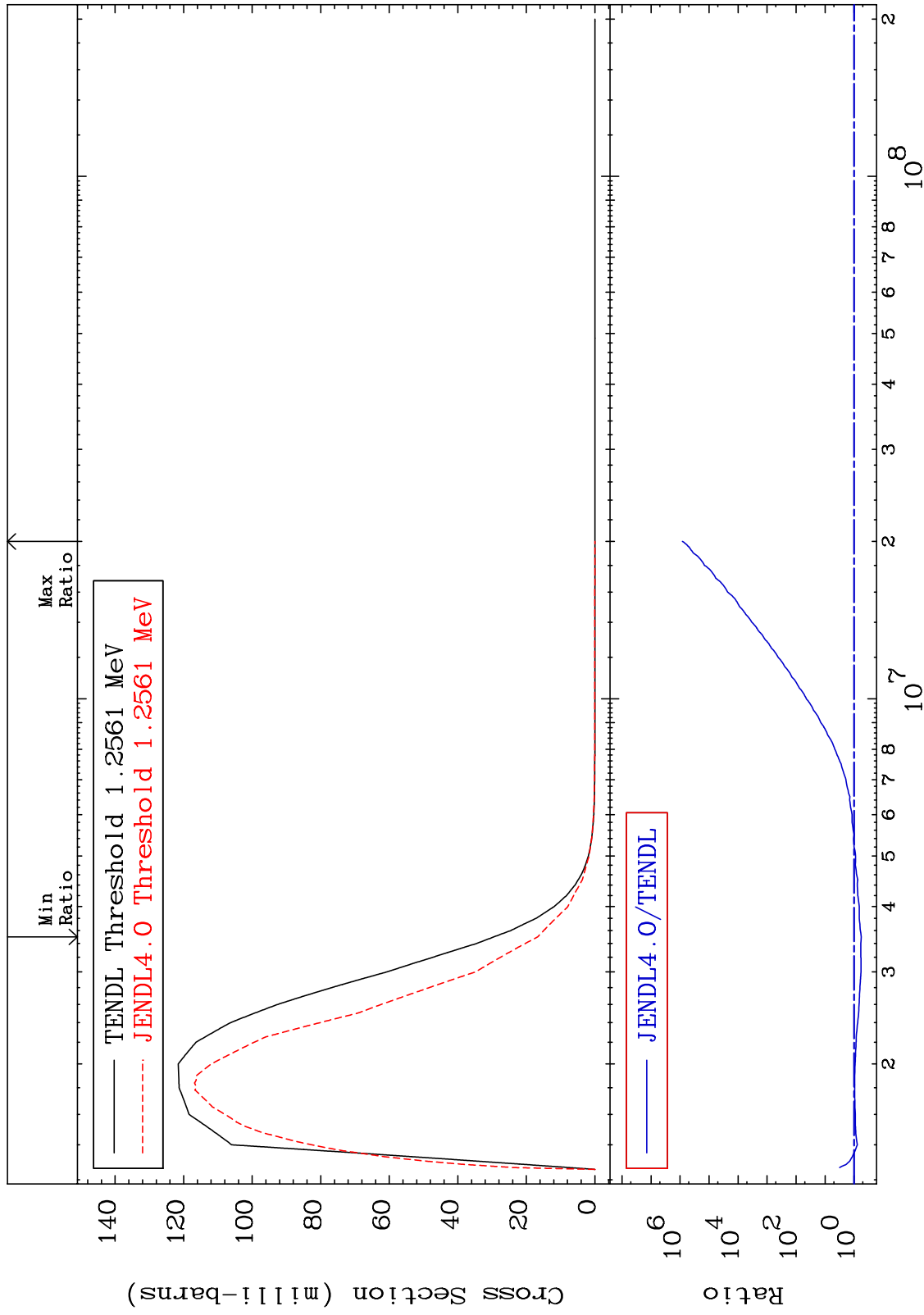
MAT 6437 MT= 59 (n, n') Level Cross Section 64-Gd-156 -89.18 To 482.6 %



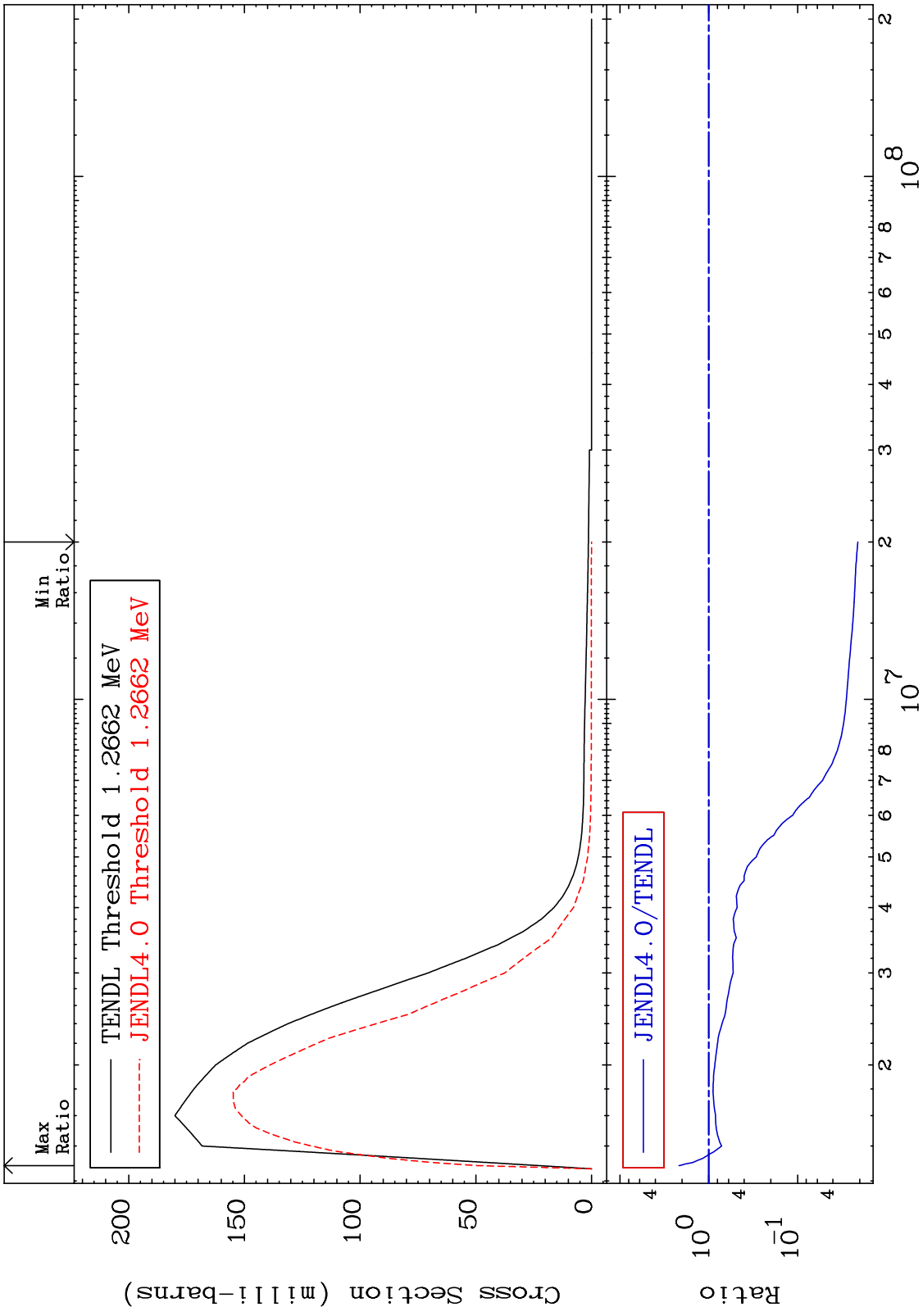
MAT 6437

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

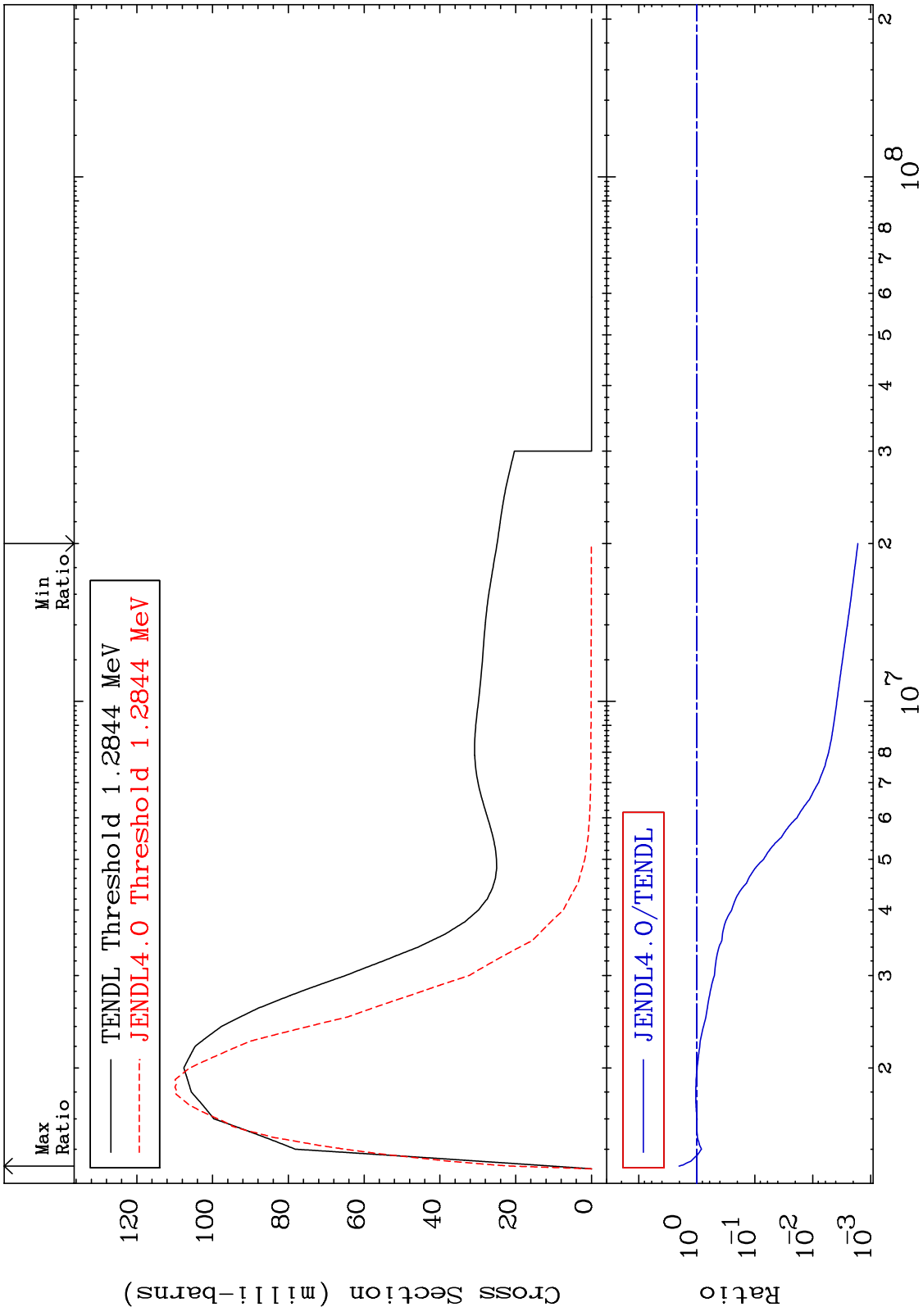
64-Gd-156
-43.44 To 9999. %



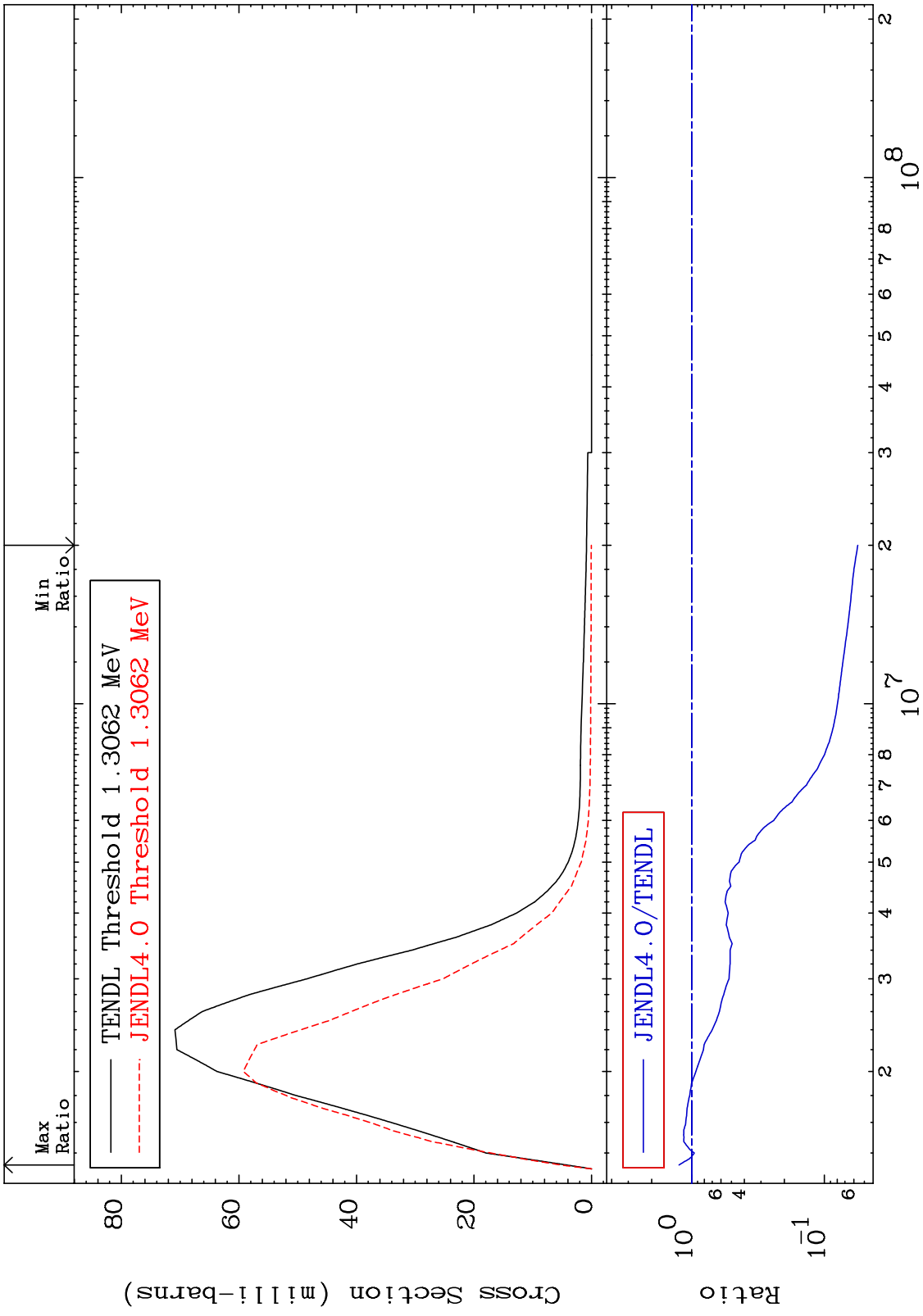
MAT 6437 MT= 61 (n,n') Level Cross Section 64-Gd-156 -97.90 To 116.3 %



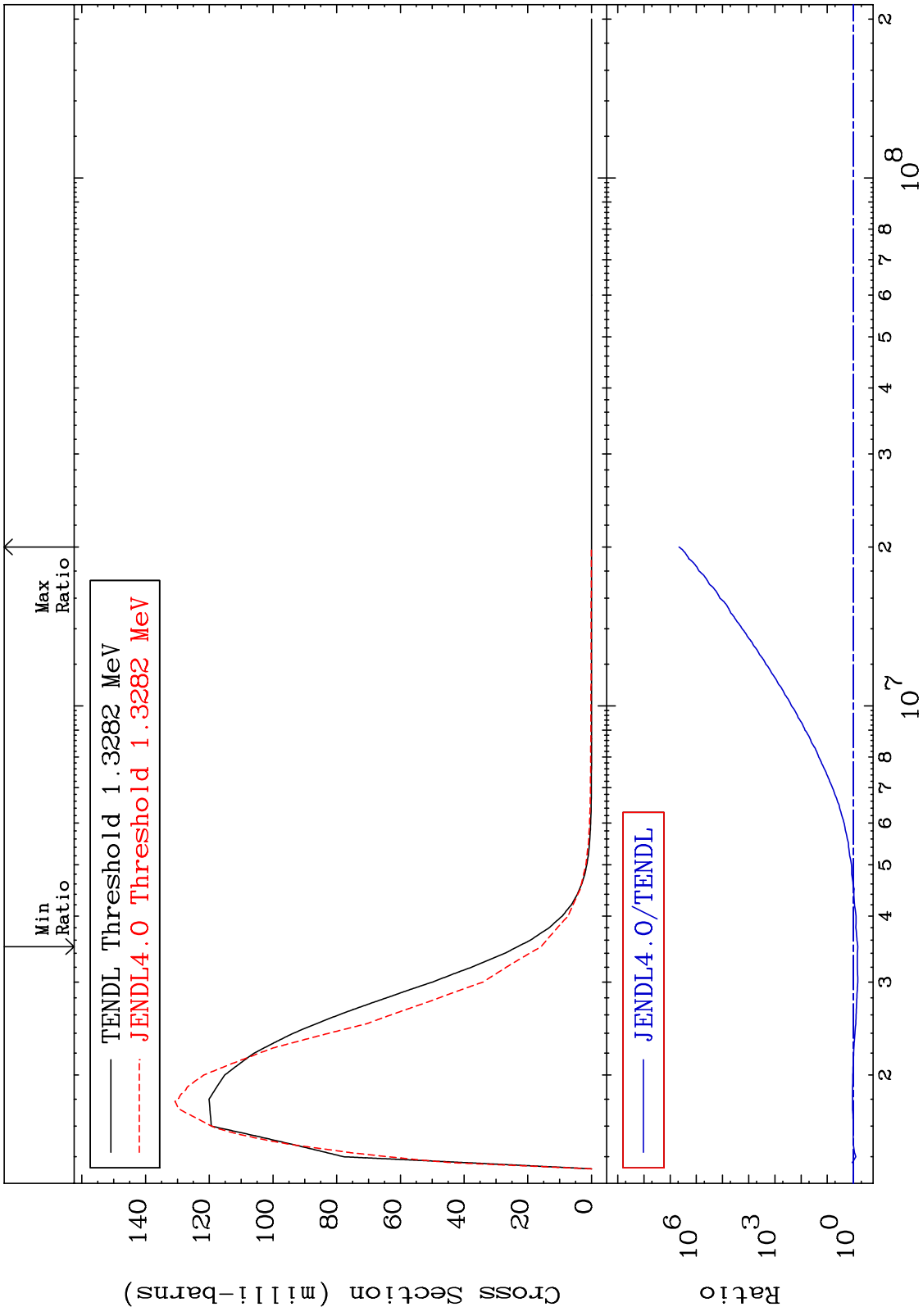
MAT 6437 MT= 62 (n,n') Level Cross Section 64-Gd-156 -99.83 To 102.4 %



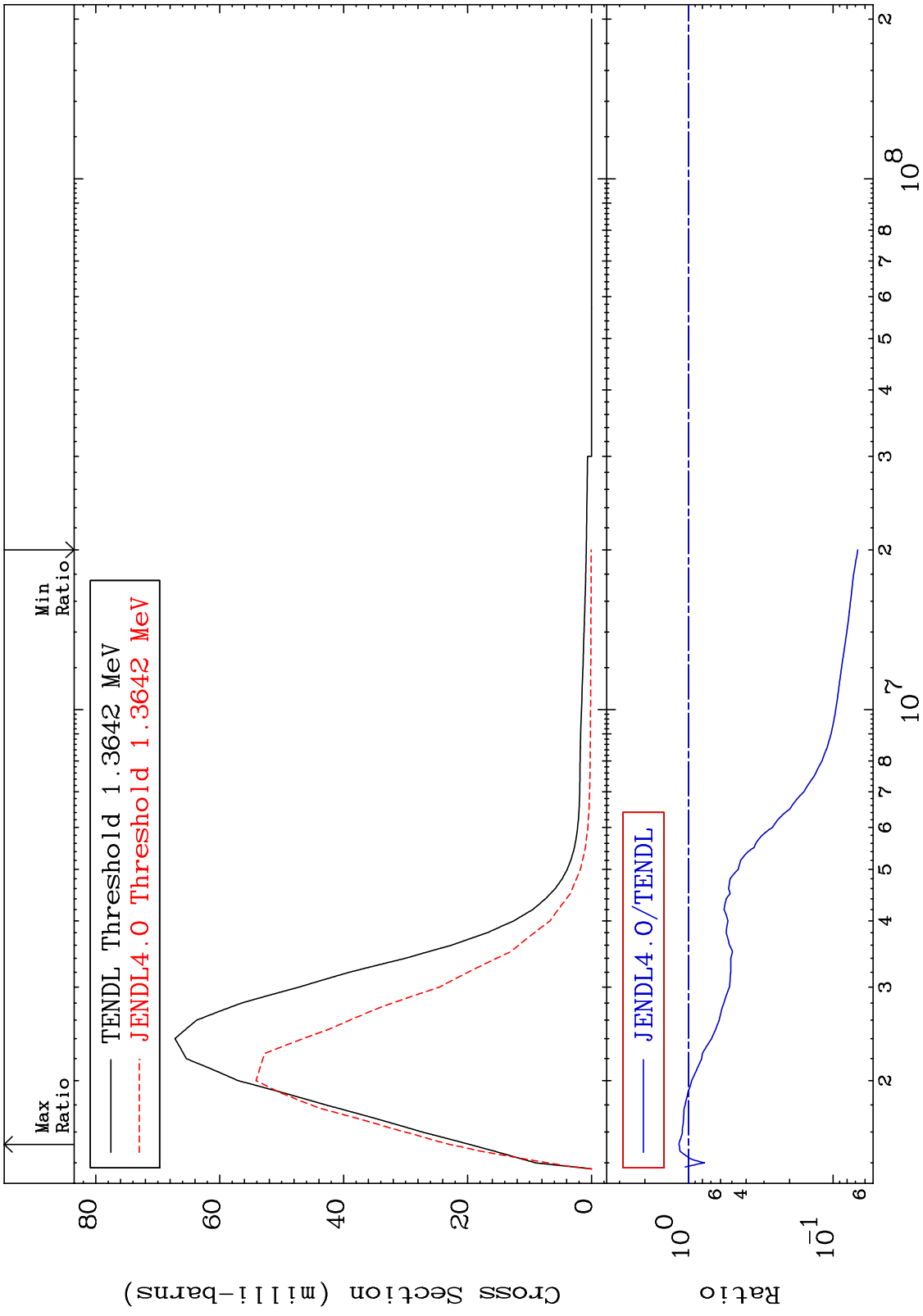
MAT 6437 MT= 63 (n,n') Level Cross Section 64-Gd-156 -94.40 To 24.27 %



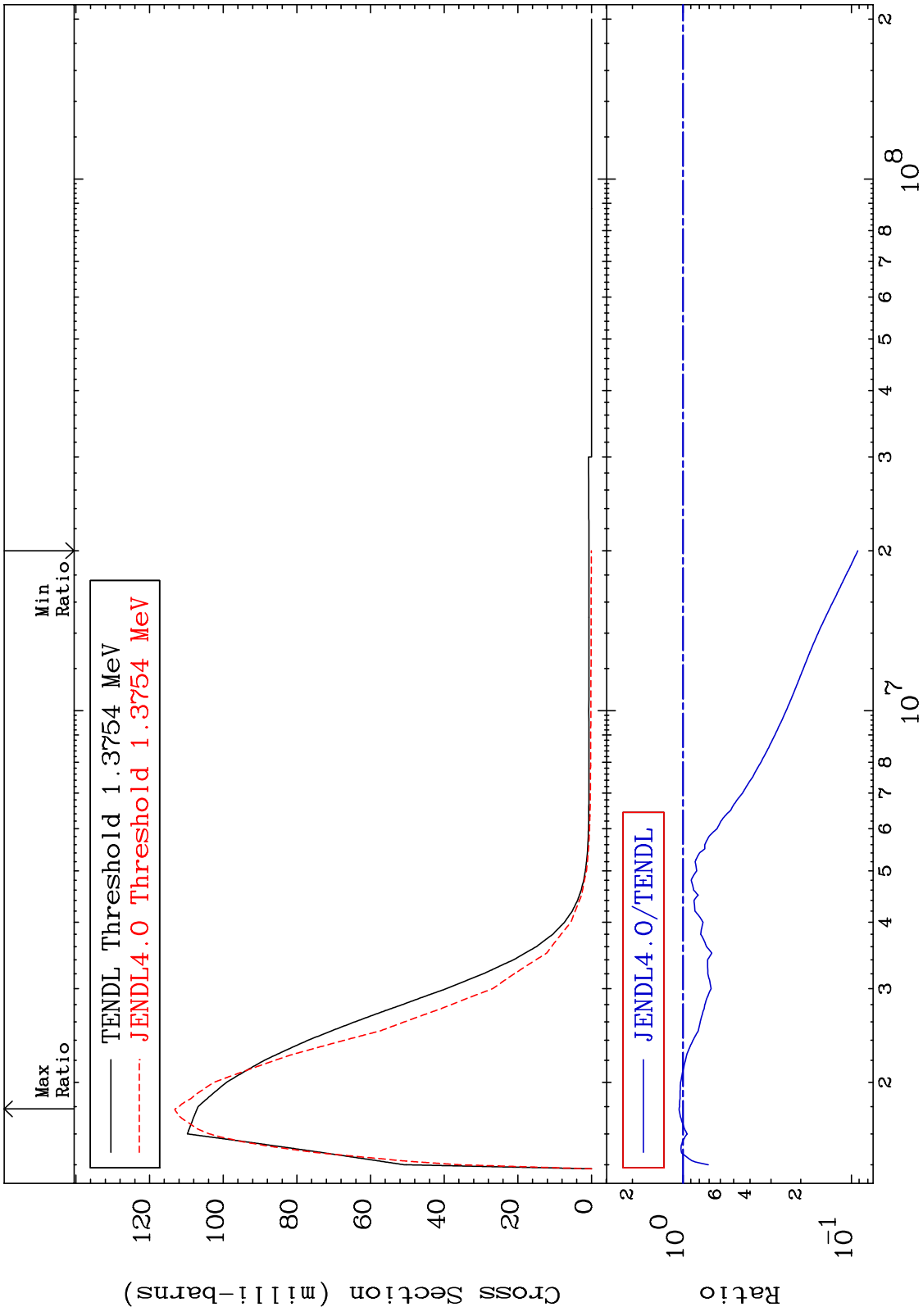
MAT 6437 MT= 64 (n,n') Level Cross Section 64-Gd-156
 -31.91 To 9999. %



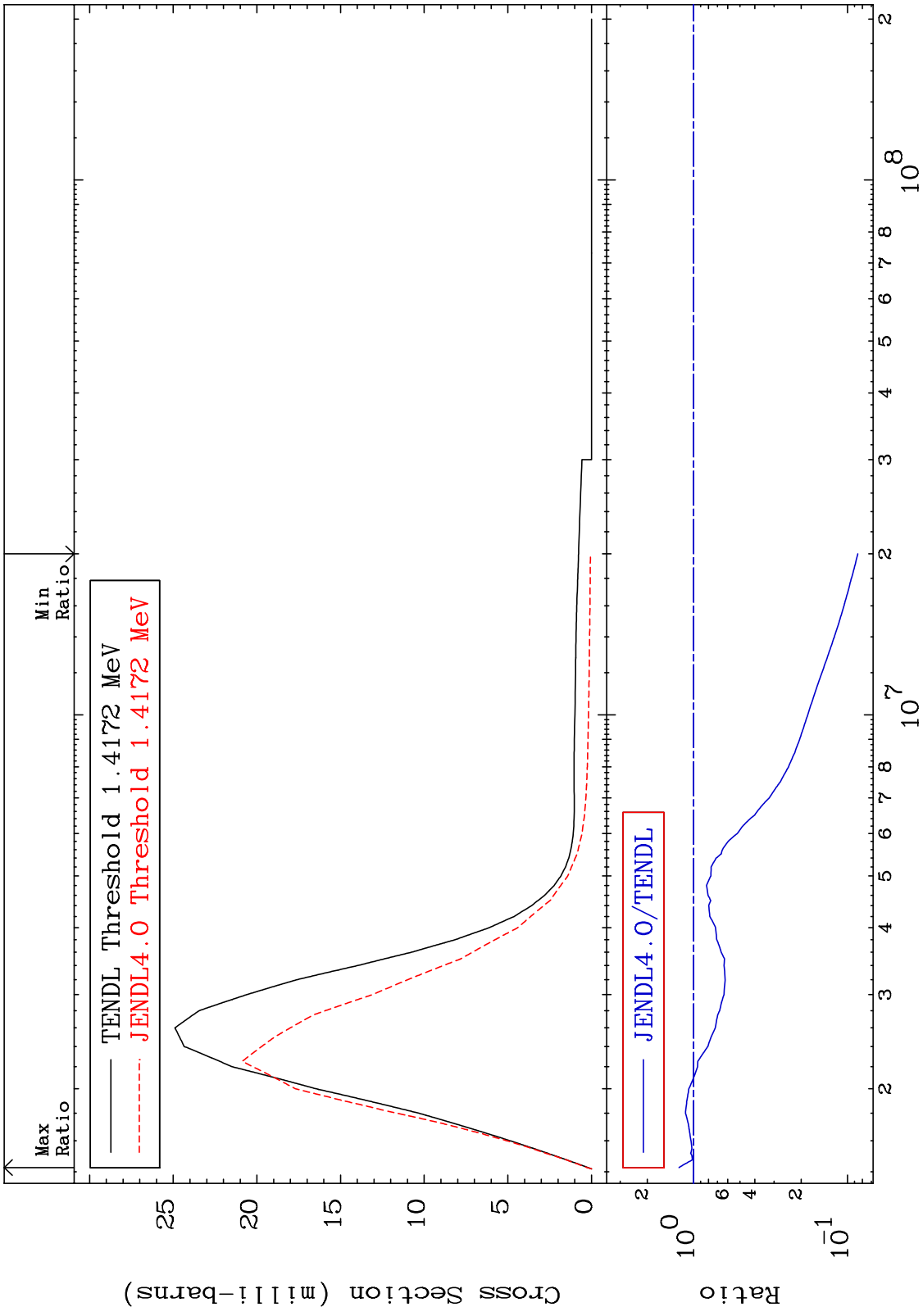
MAT 6437 MT= 65 (n,n') Level Cross Section 64-Gd-156 -93.26 To 16.16 %



MAT 6437 MT= 66 (n,n') Level Cross Section 64-Gd-156 -90.83 To 5.591 %

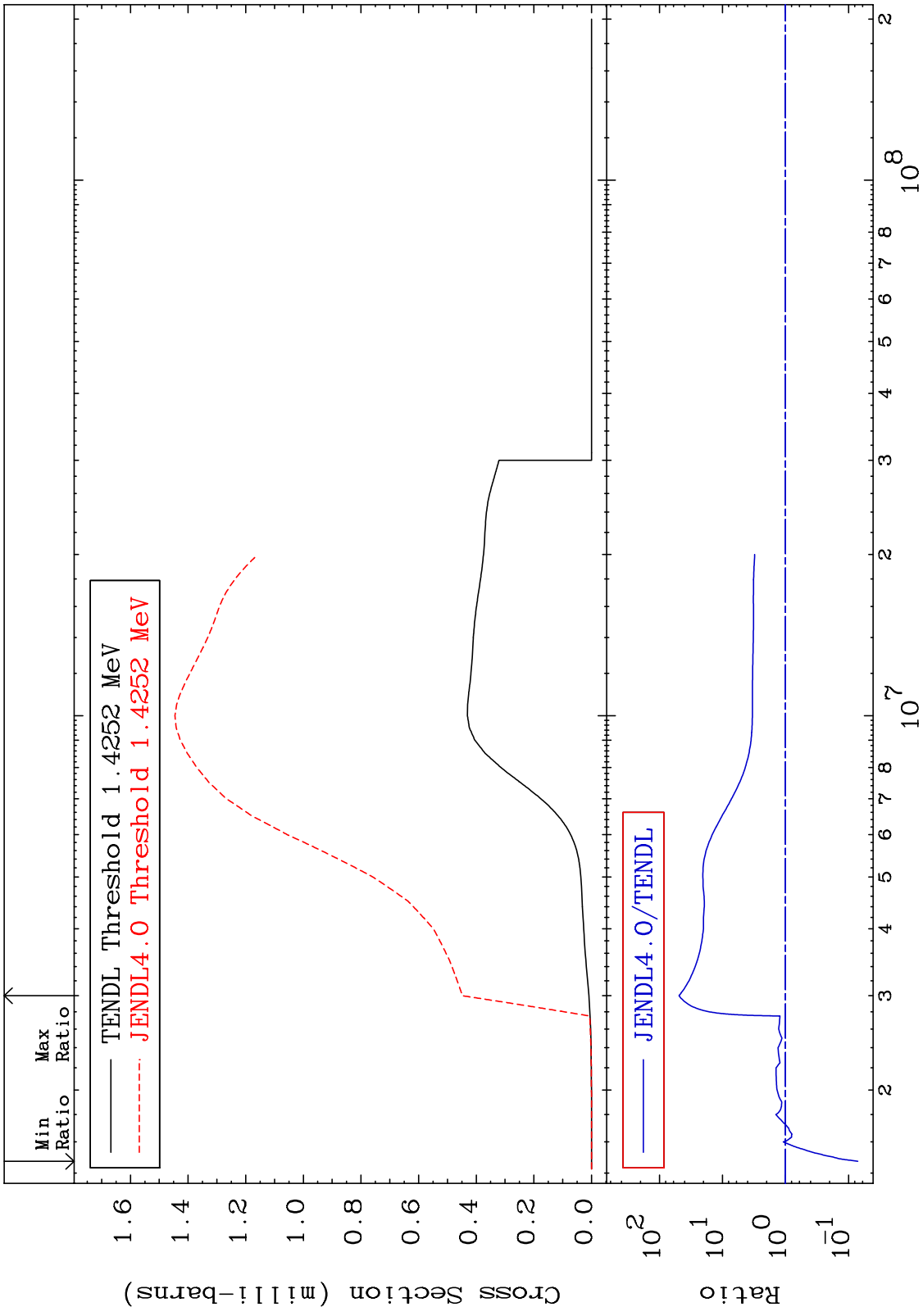


MAT 6437 MT= 67 (n,n') Level Cross Section 64-Gd-156 -91.44 To 24.42 %

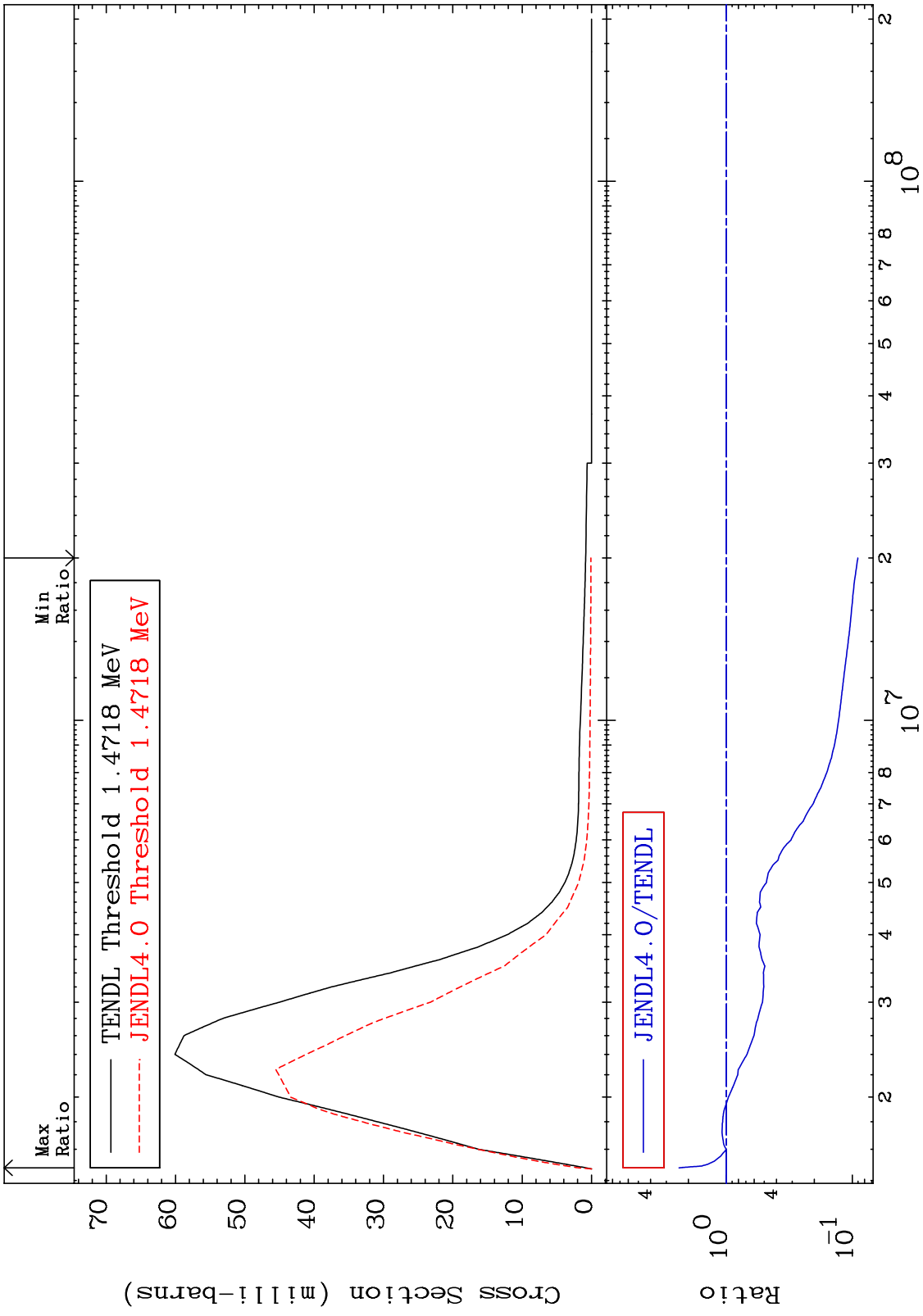


26 64-Gd-156

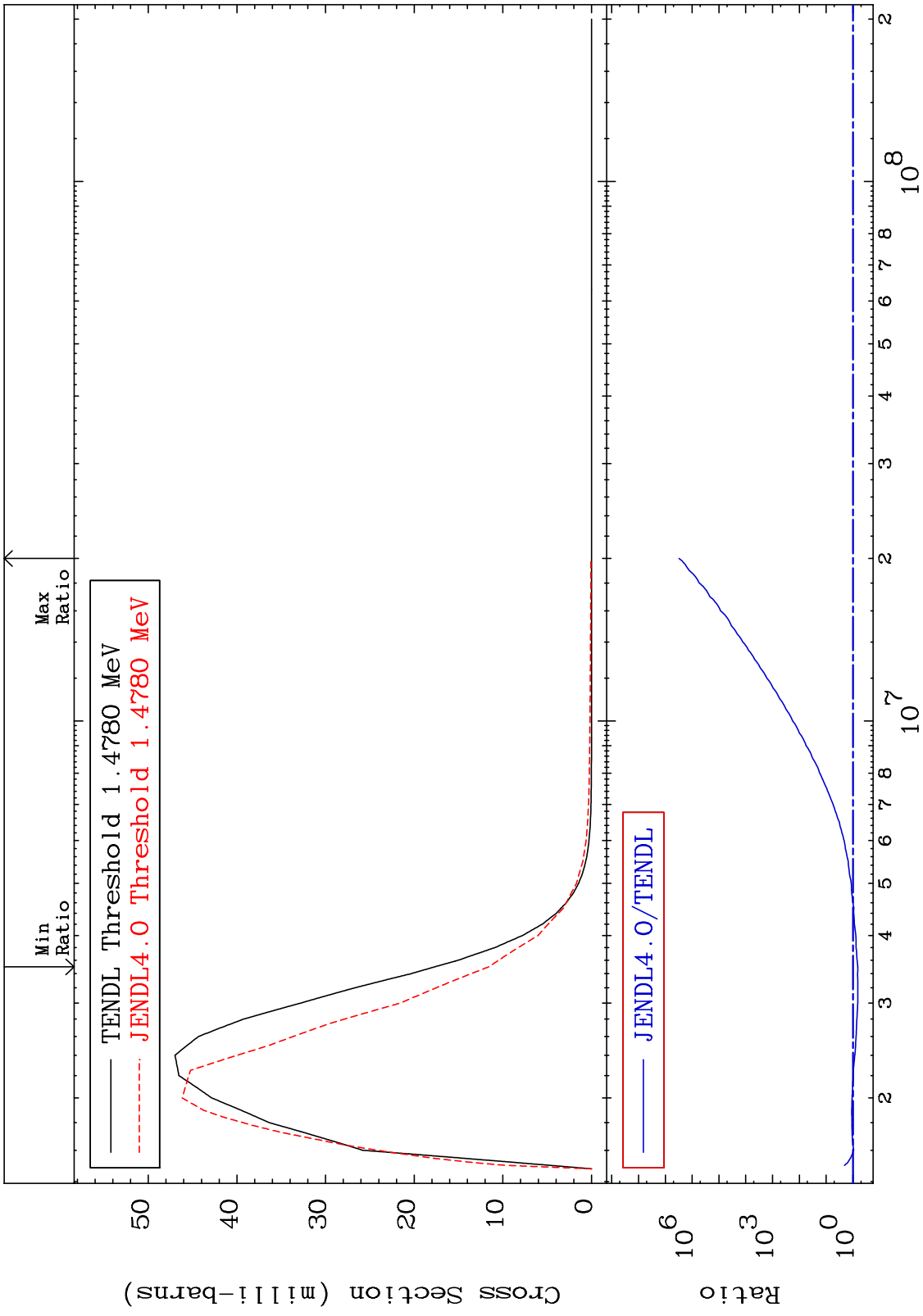
MAT 6437 MT= 68 (n,n') Level Cross Section 64-Gd-156 -92.88 To 4799. %



MAT 6437 MT= 69 (n,n') Level Cross Section 64-Gd-156 -90.97 To 137.4 %



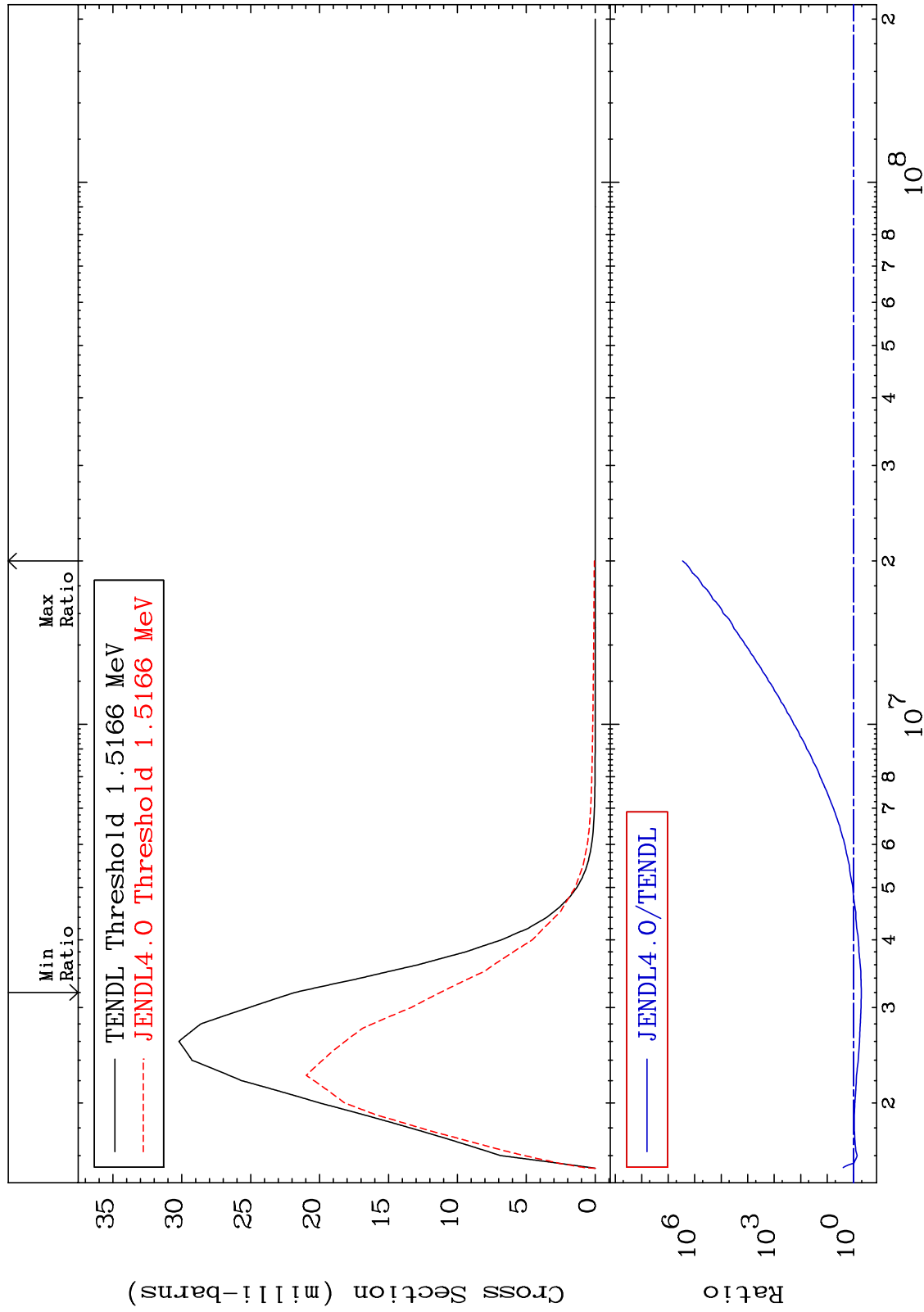
MAT 6437 MT= 70 (n,n') Level Cross Section 64-Gd-156 -34.49 To 9999. %



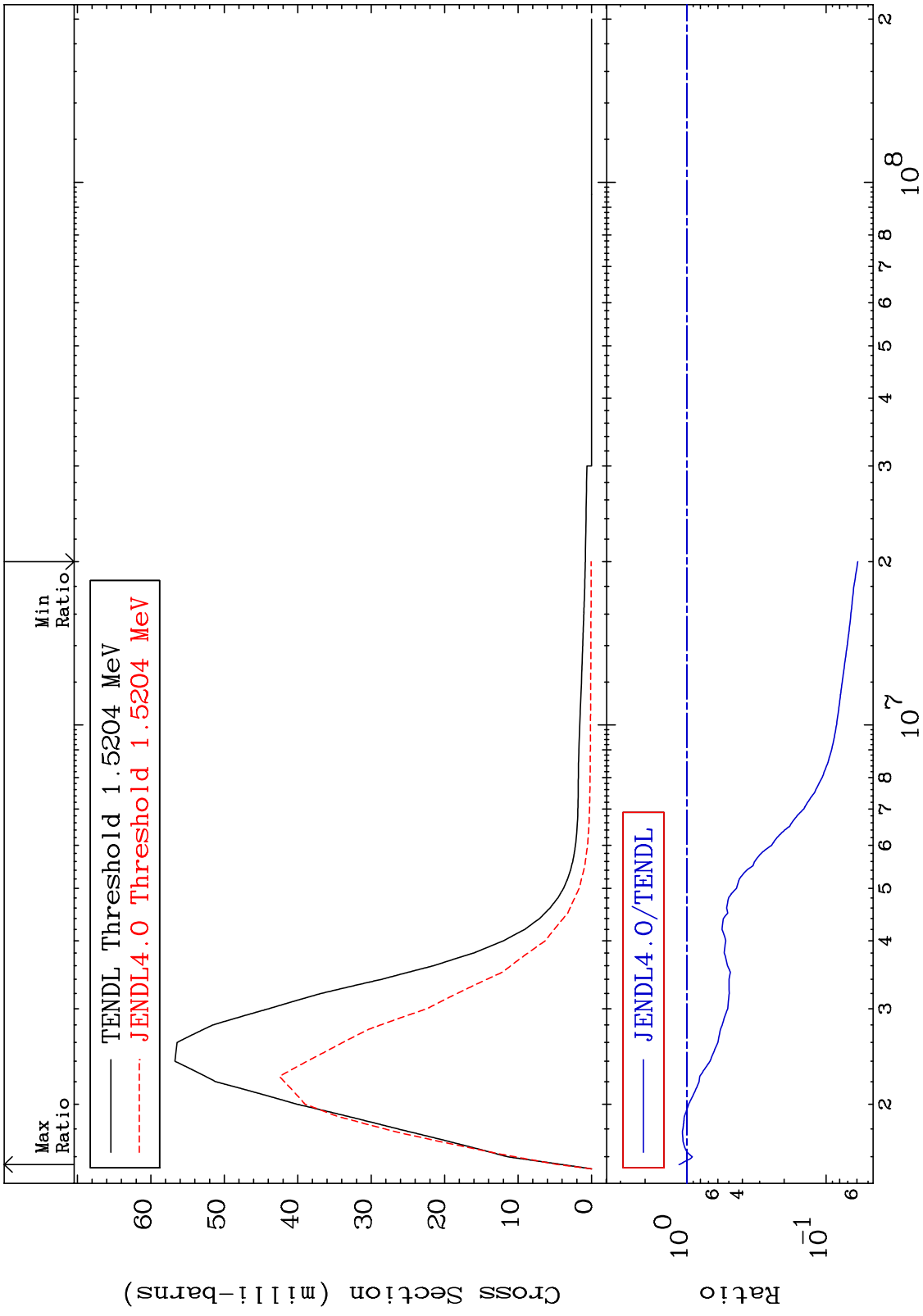
MAT 6437

MT= 71 (n,n') Level
Cross Section

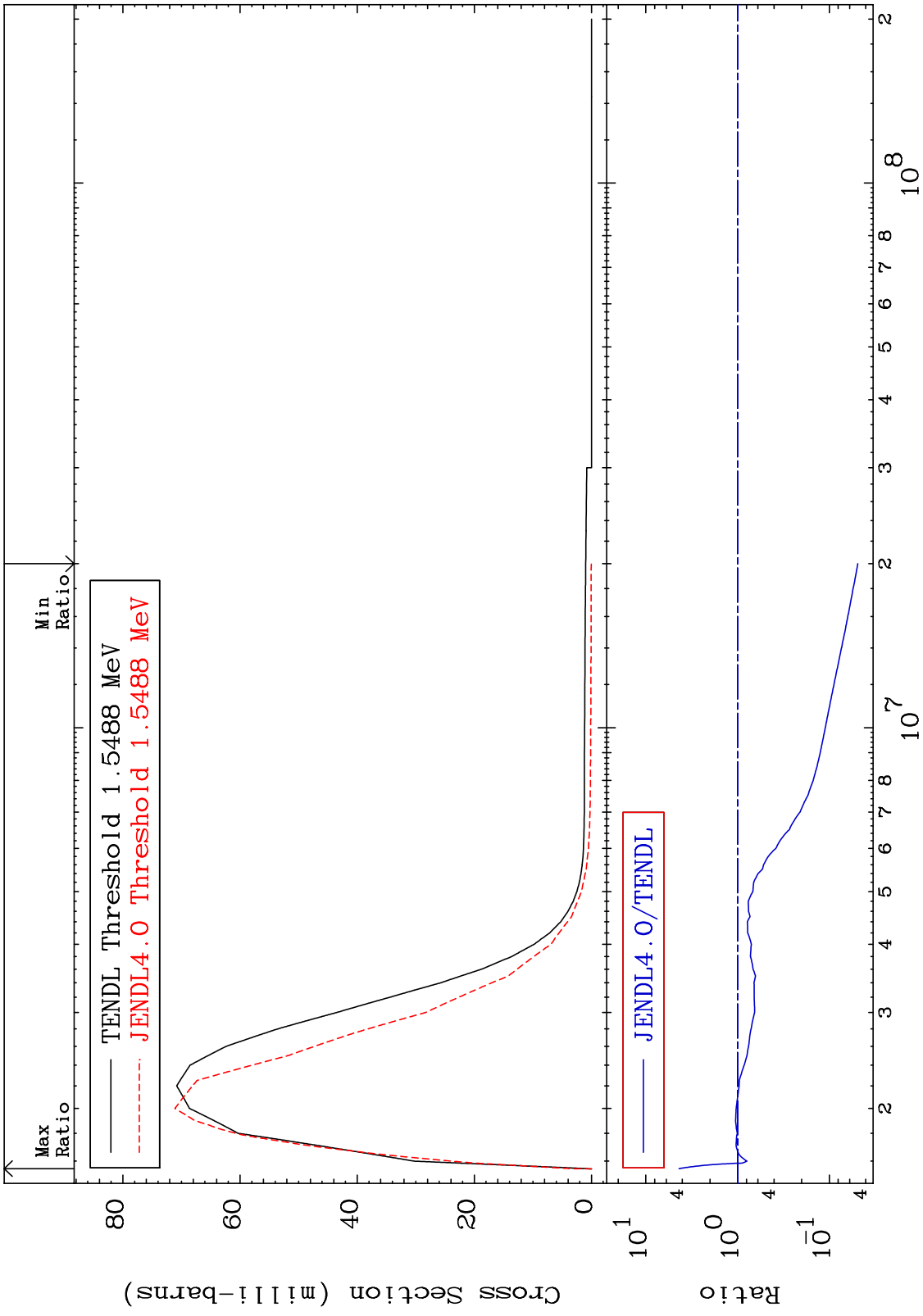
64-Gd-156
-48.41 To 9999. %



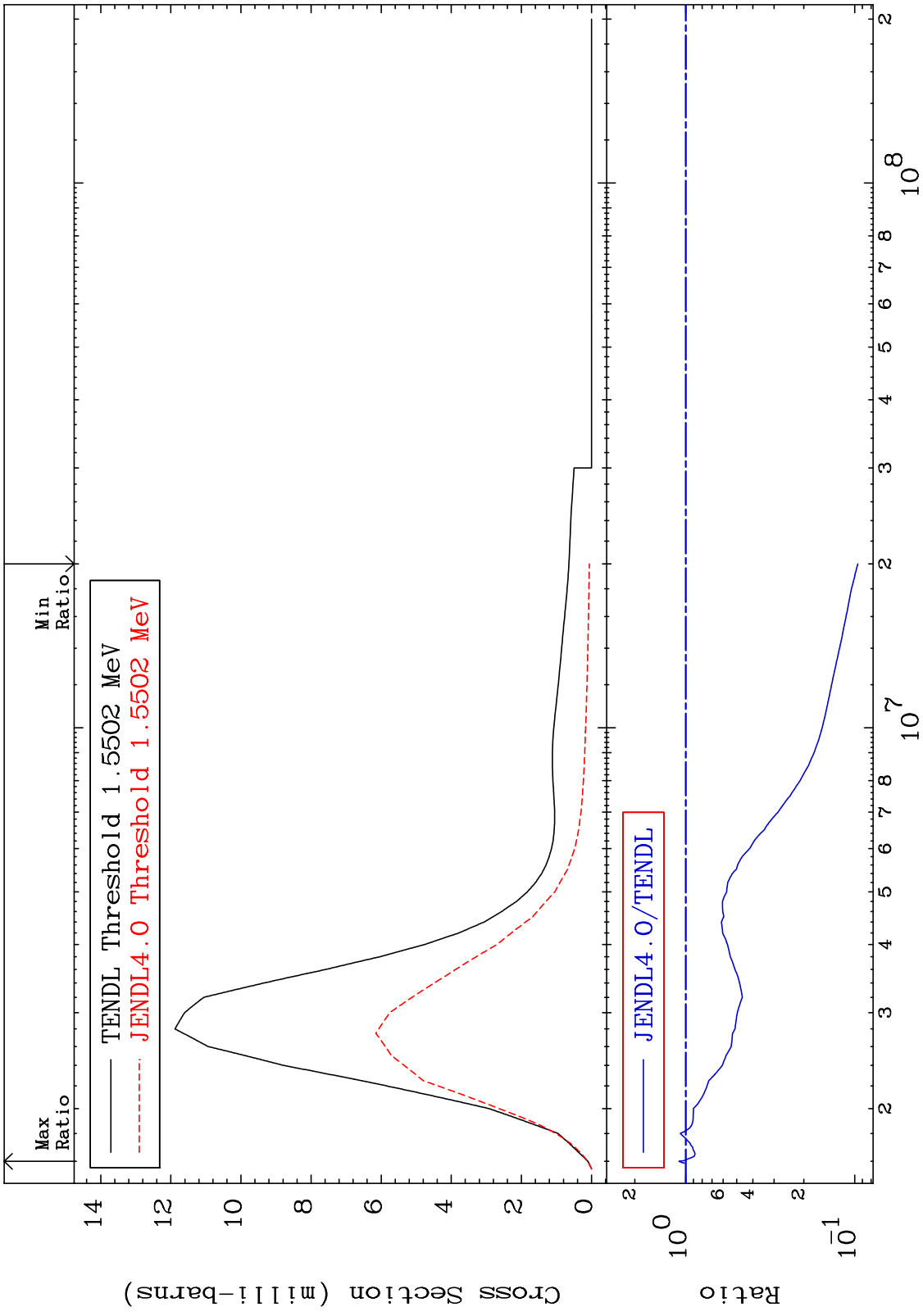
MAT 6437 MT= 72 (n,n') Level Cross Section 64-Gd-156 -94.08 To 13.88 %



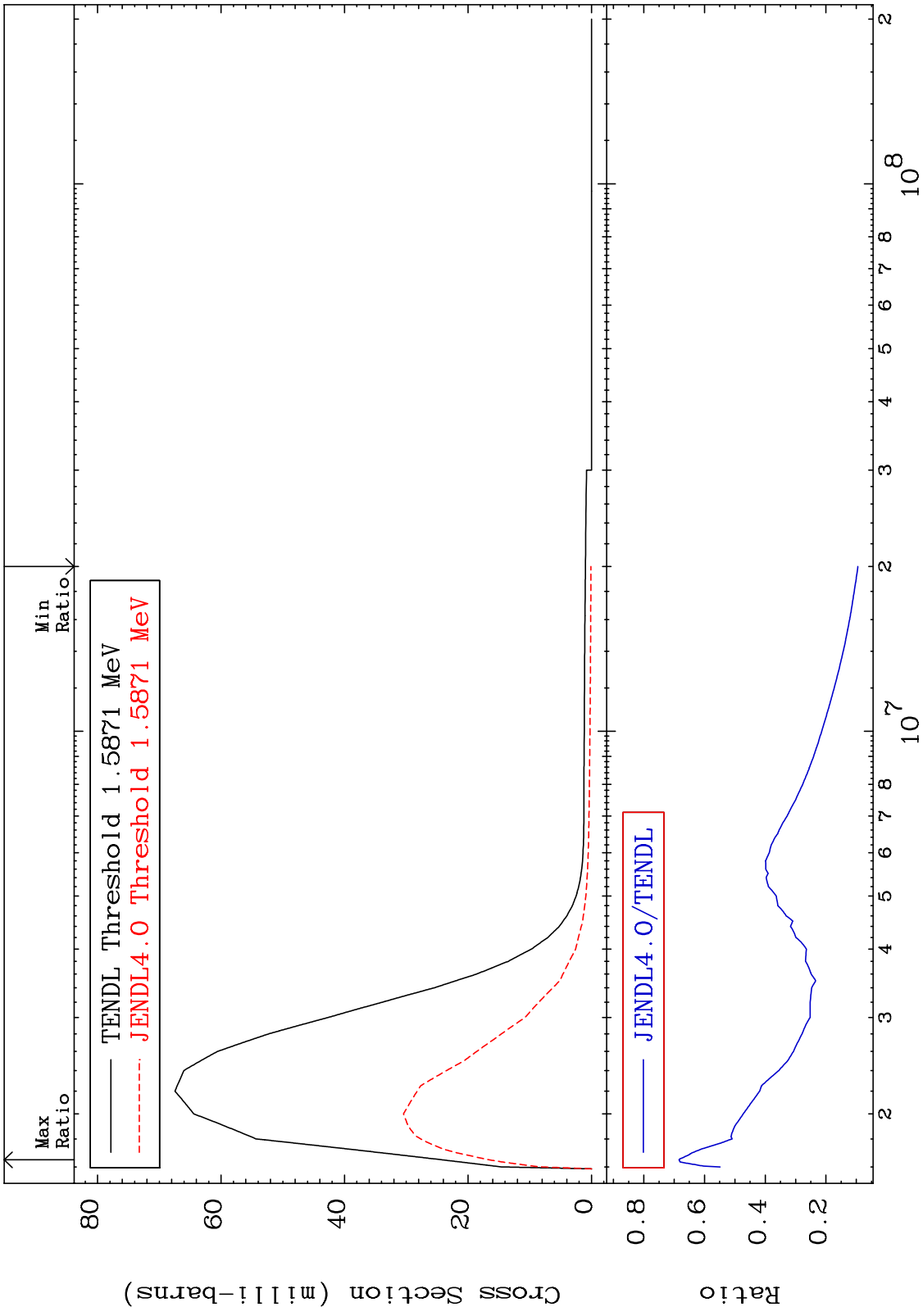
MAT 6437 MT= 73 (n,n') Level Cross Section 64-Gd-156 -95.12 To 334.5 %



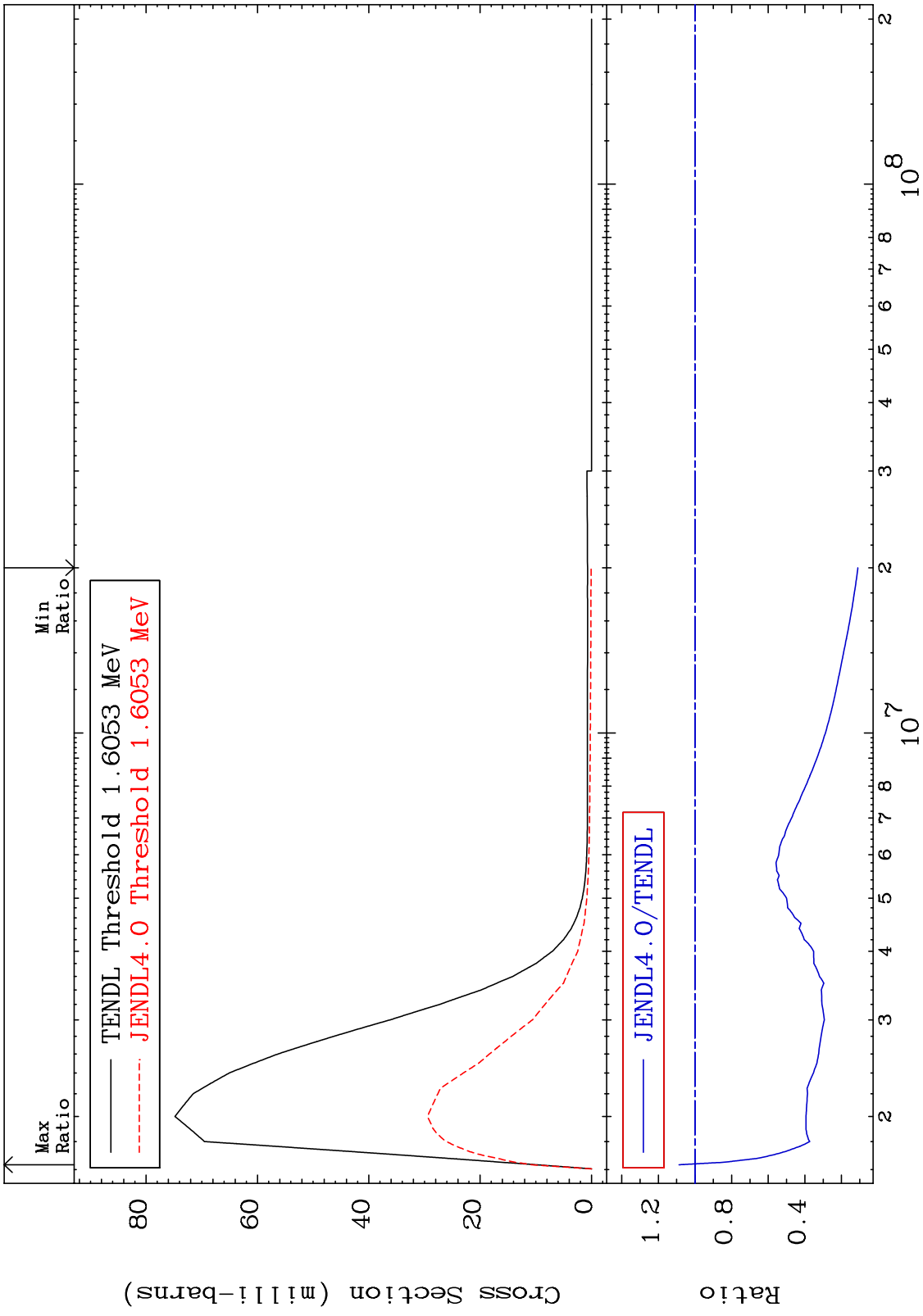
MAT 6437 MT= 74 (n,n') Level Cross Section 64-Gd-156 -90.42 To 9.521 %



MAT 6437 MT= 75 (n,n') Level Cross Section 64-Gd-156
 -90.49 To -31.60%



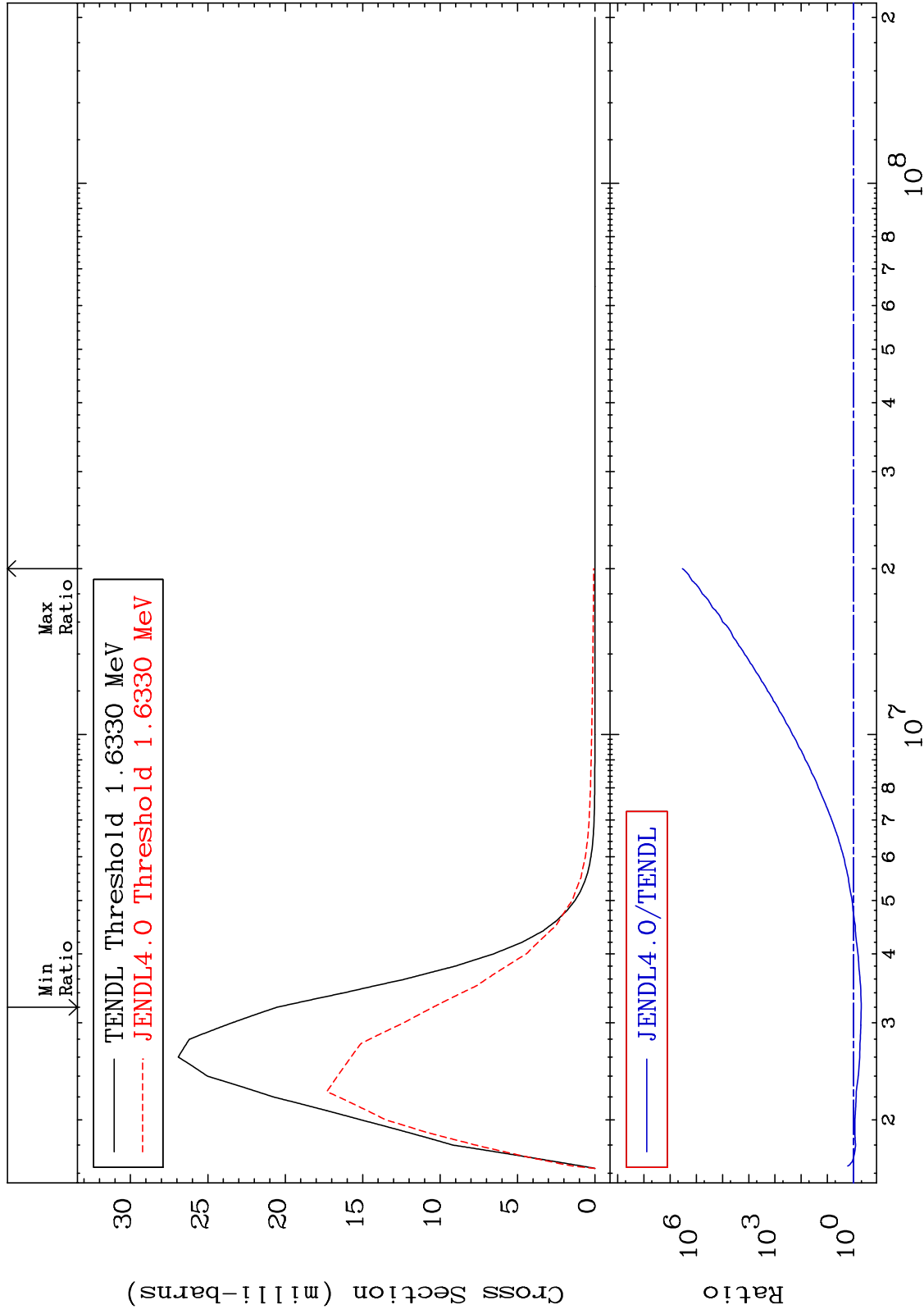
MAT 6437 MT= 76 (n,n') Level Cross Section 64-Gd-156 -88.92 To 8.694 %



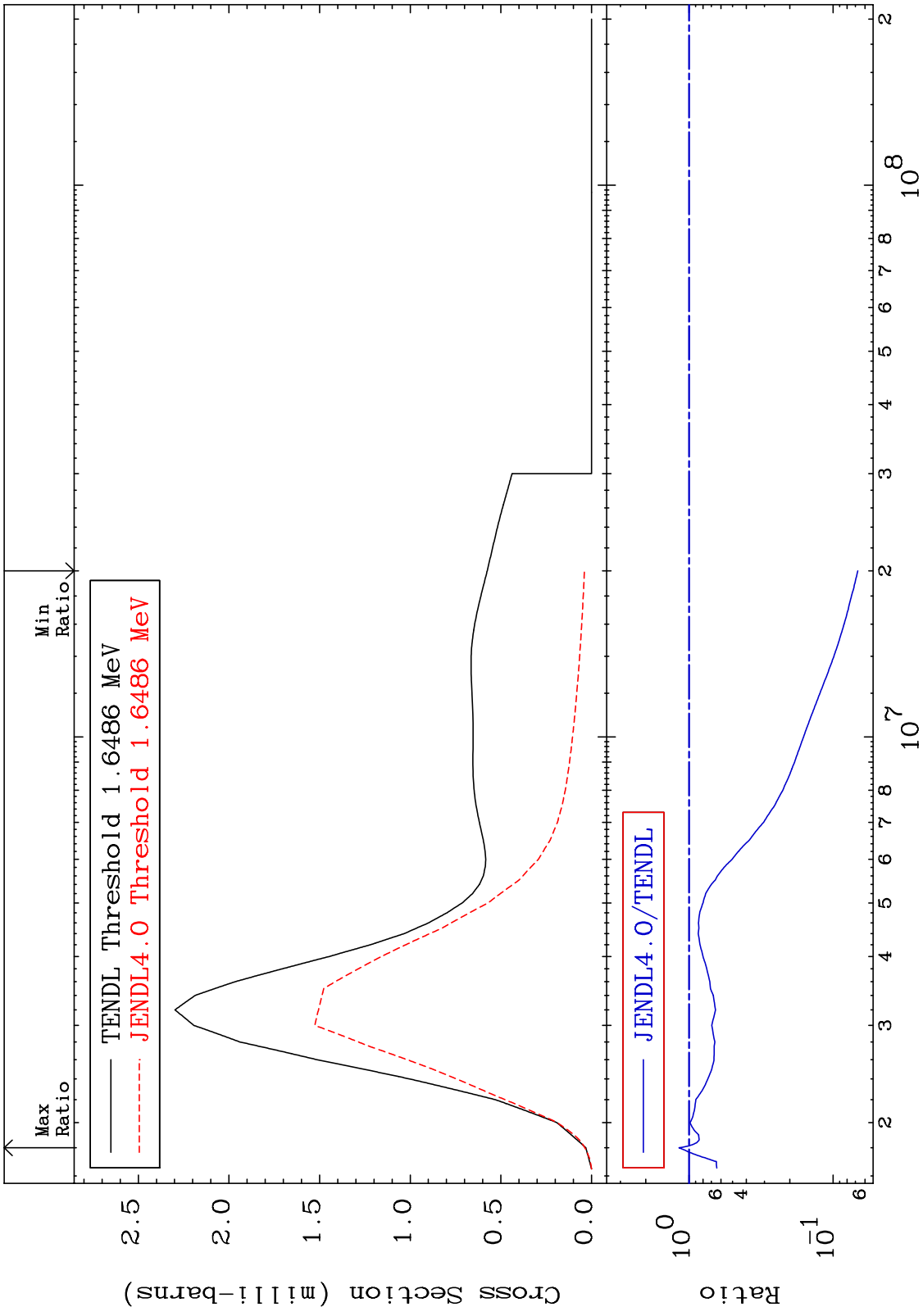
MAT 6437

MT= 77 (n,n') Level
Cross Section

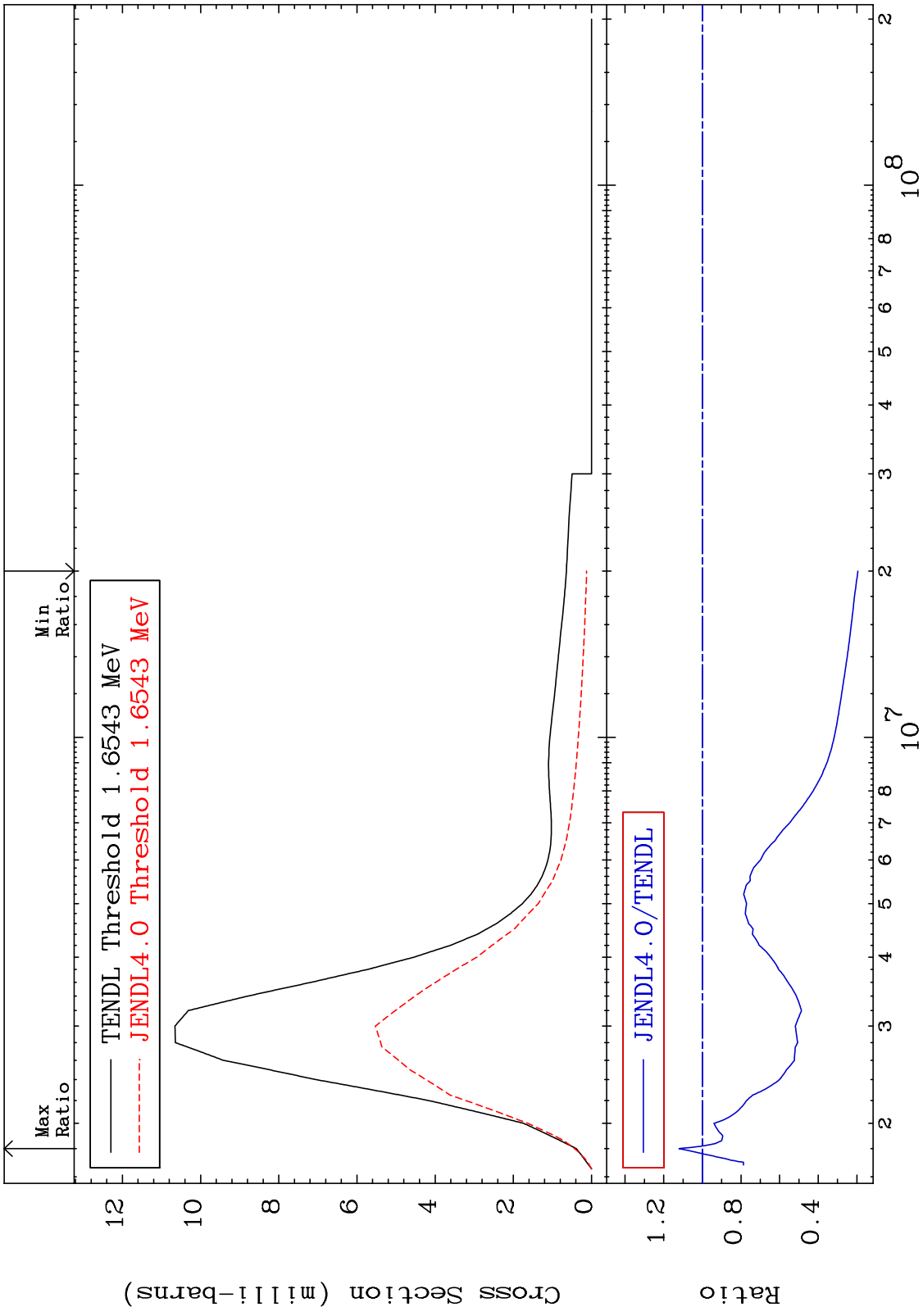
64-Gd-156
-49.08 To 9999. %



MAT 6437 MT= 78 (n,n') Level Cross Section 64-Gd-156 -93.26 To 17.37 %



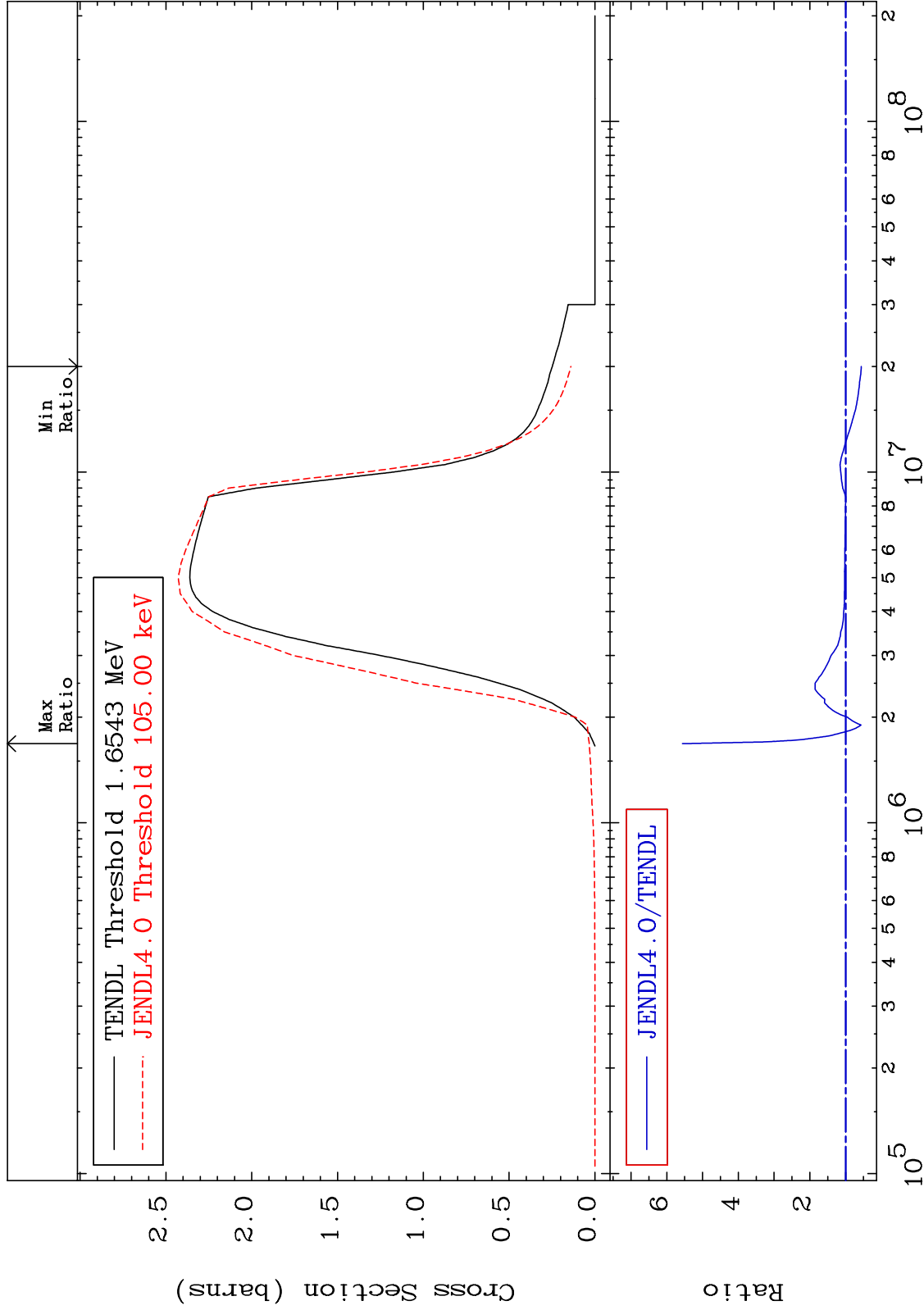
MAT 6437 MT= 79 (n,n') Level Cross Section 64-Gd-156 -80.50 To 12.06 %



MAT 6437

(n, n') Continuum
Cross Section

64-Gd-156
-43.73 To 456.2 %



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64-Gd-156

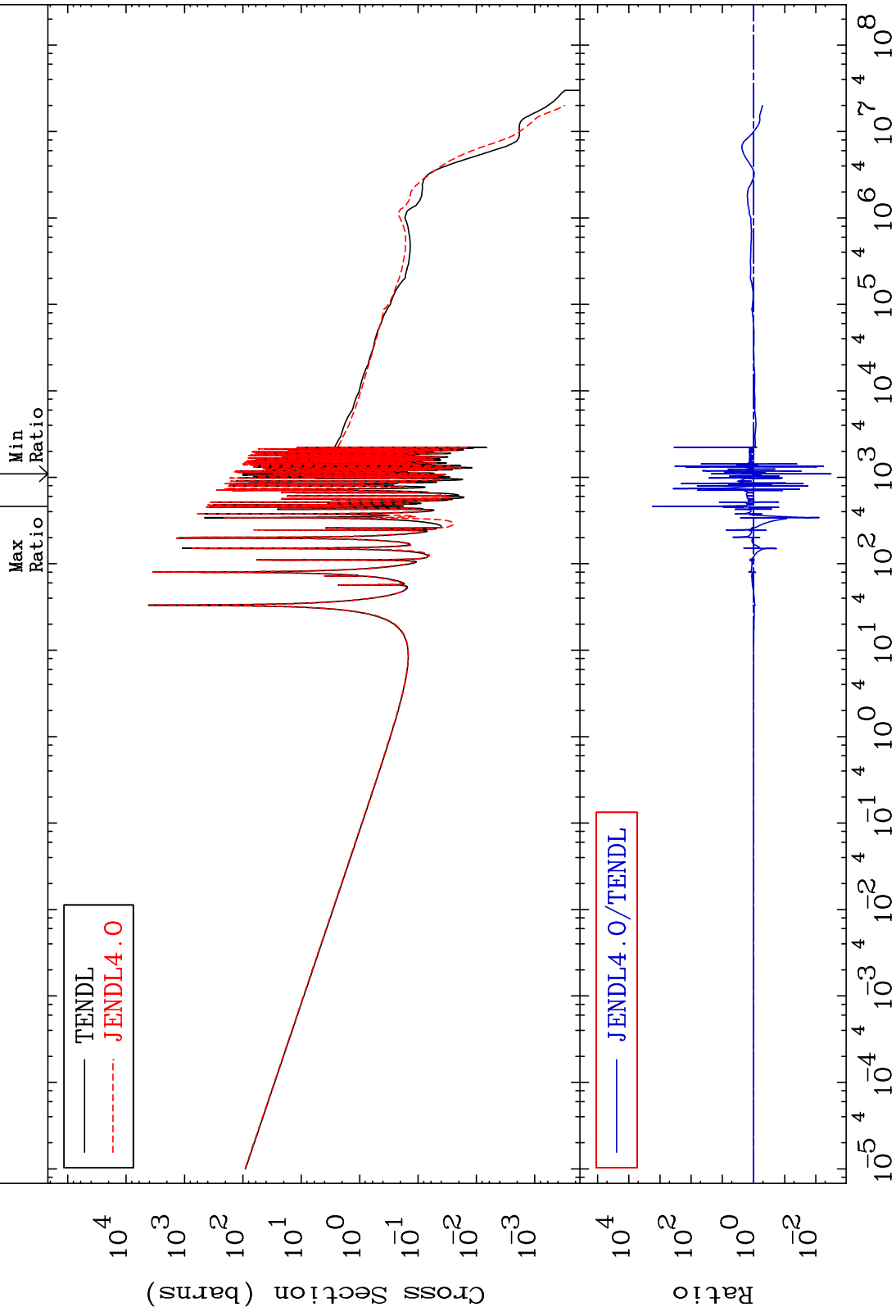
MAT 6437

(n, γ)

64-Gd-156

-99.67 To 9999. %

Cross Section

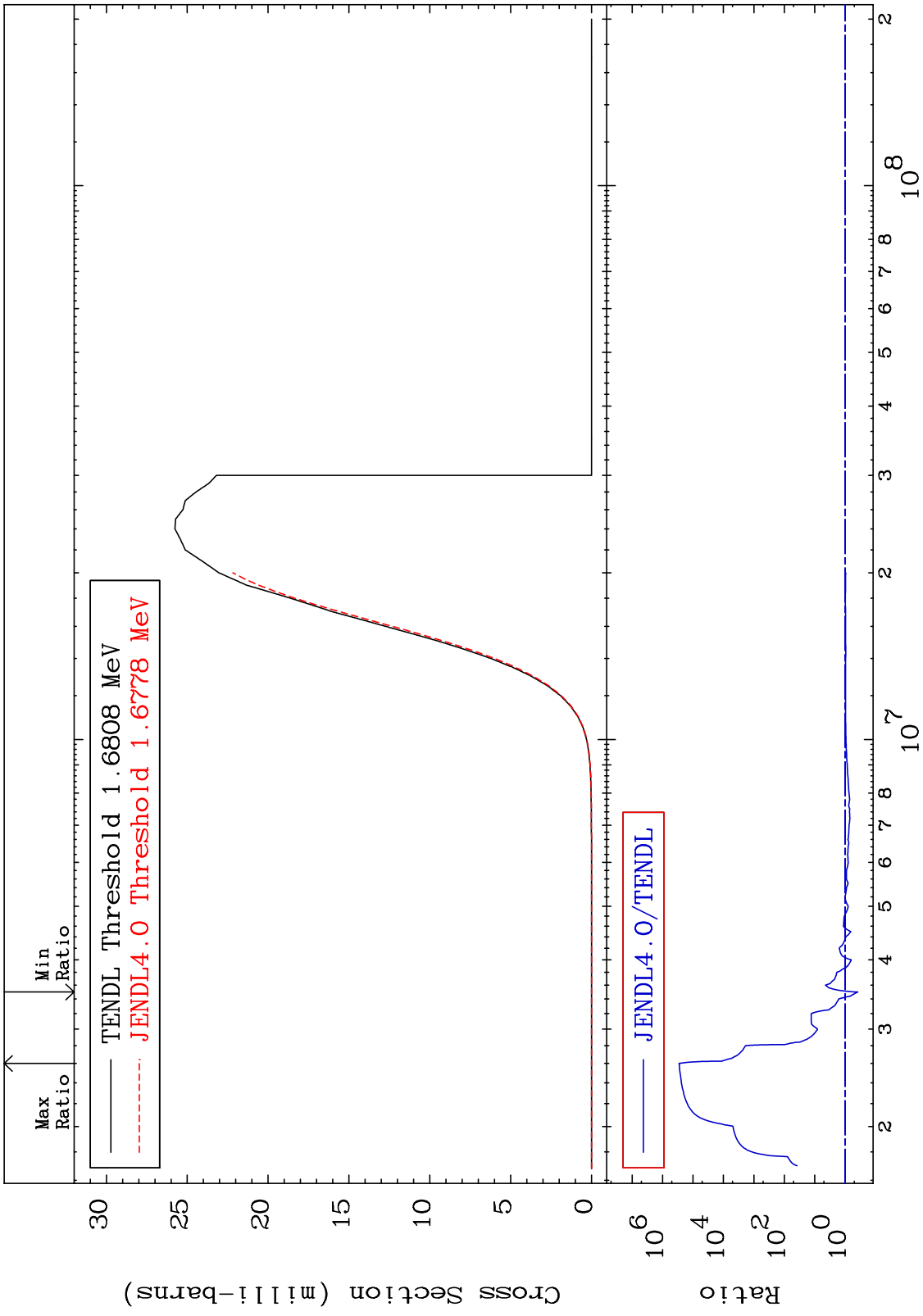


40

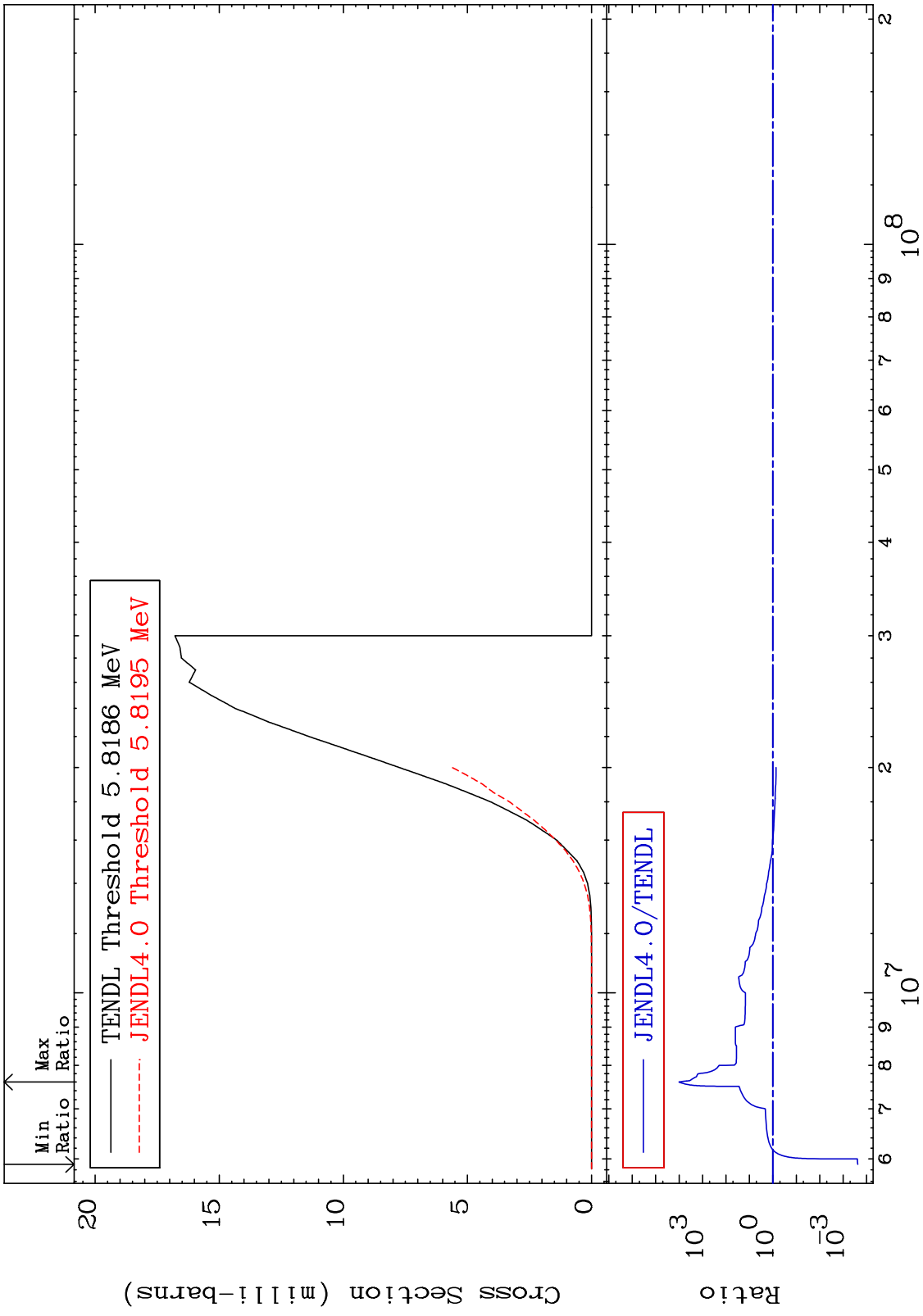
Incident Energy (eV)

64-Gd-156

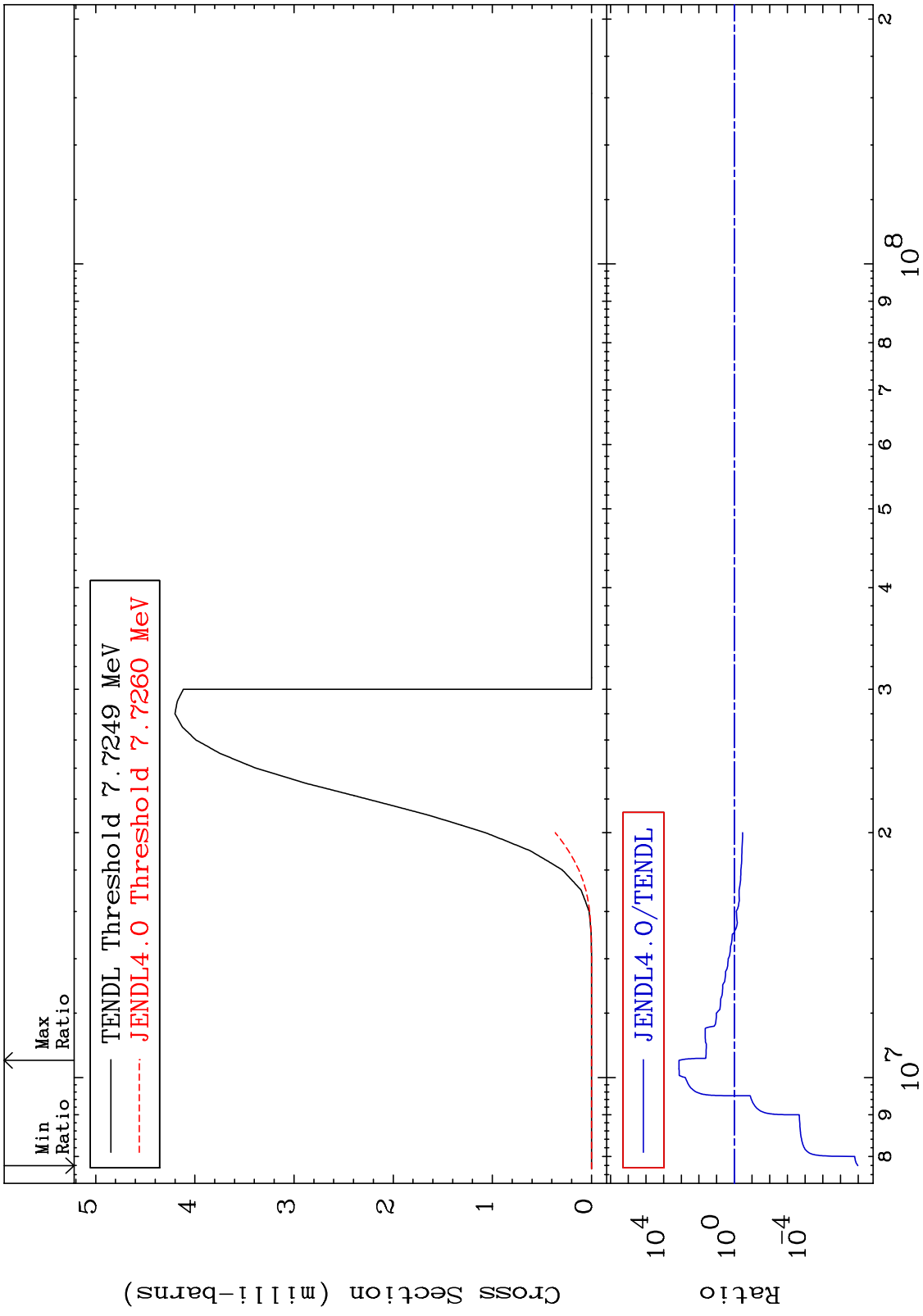
MAT 6437 (n,p) Cross Section 64-Gd-156
 -61.65 To 9999. %



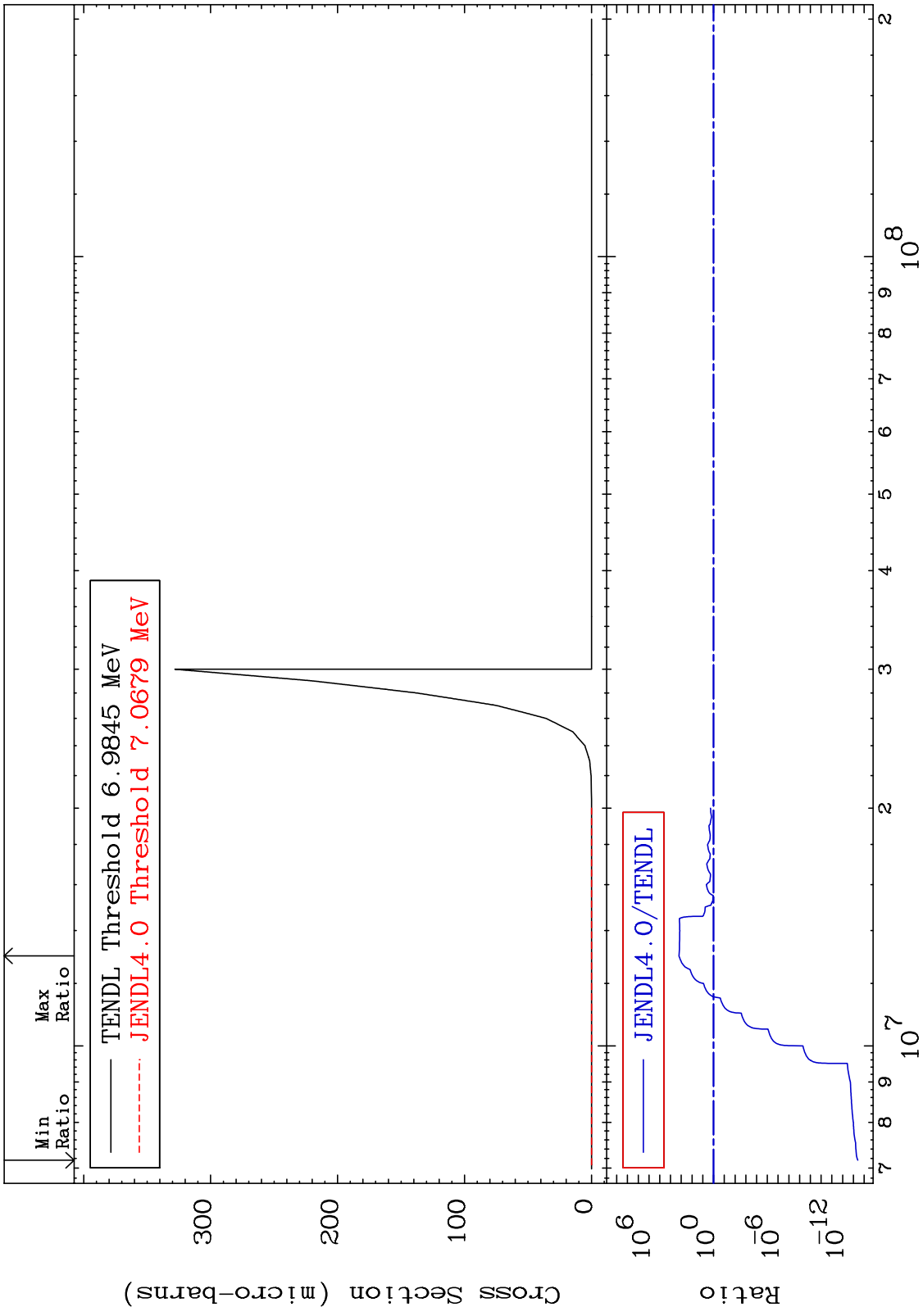
41 Incident Energy (eV) 64-Gd-156



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

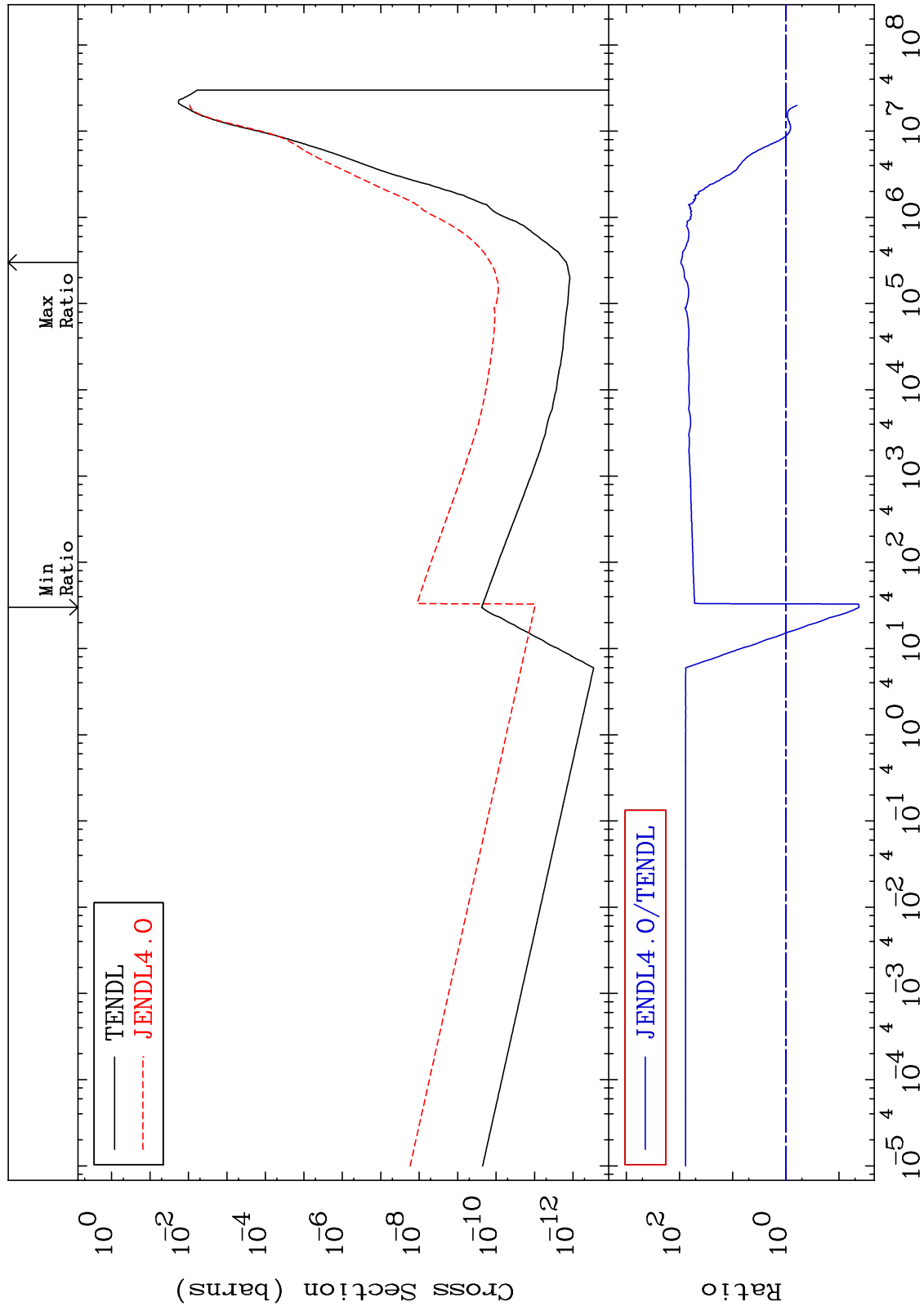


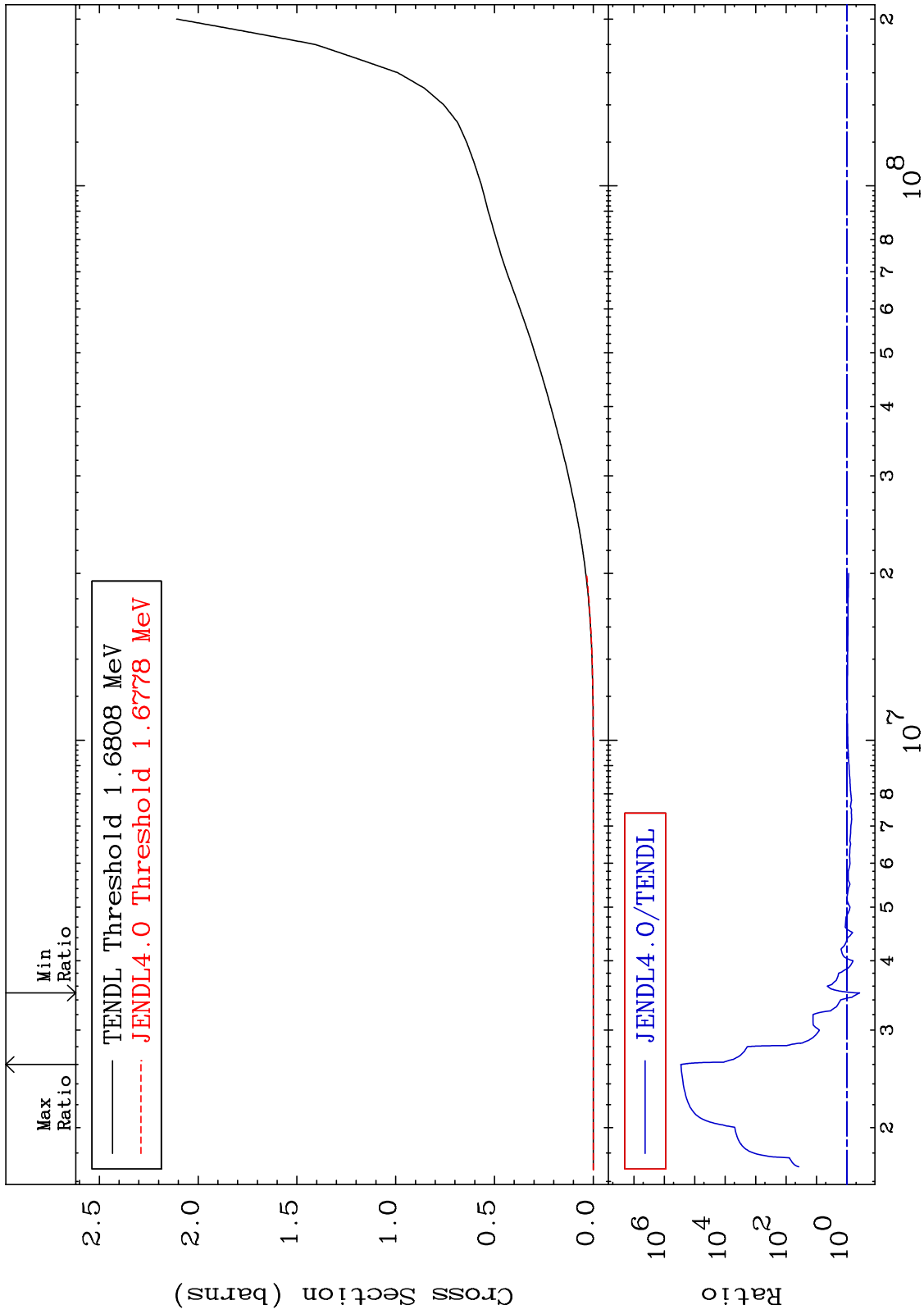
MAT 6437 (n, He-3) 64-Gd-156
 Cross Section -100.0 To 9999. %



MAT 6437

(n, α) Cross Section
64-Gd-156
-95.80 To 9351. %

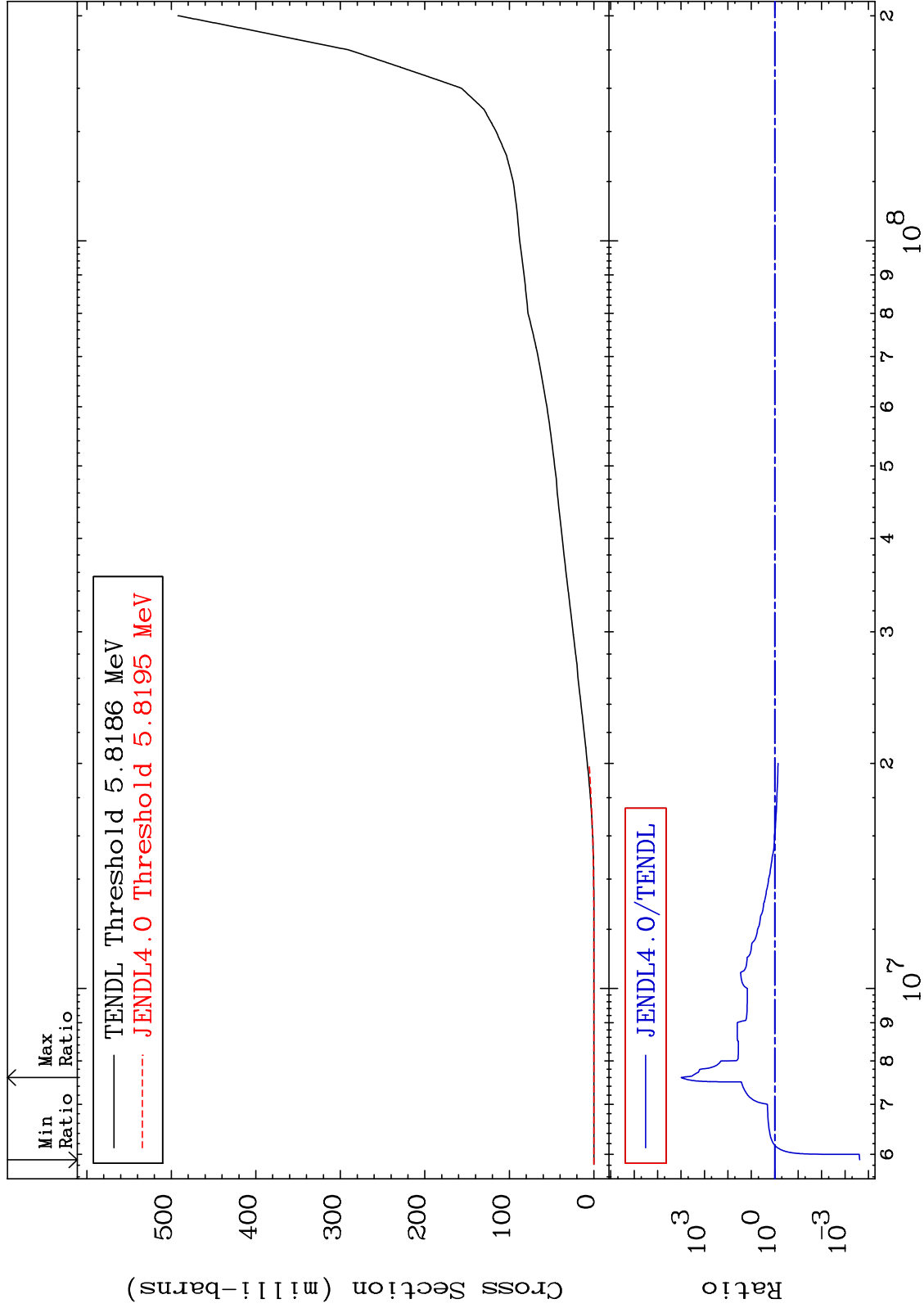




MAT 6437

Deuterium Production
Cross Section

64-Gd-156
-99.98 To 9999. %



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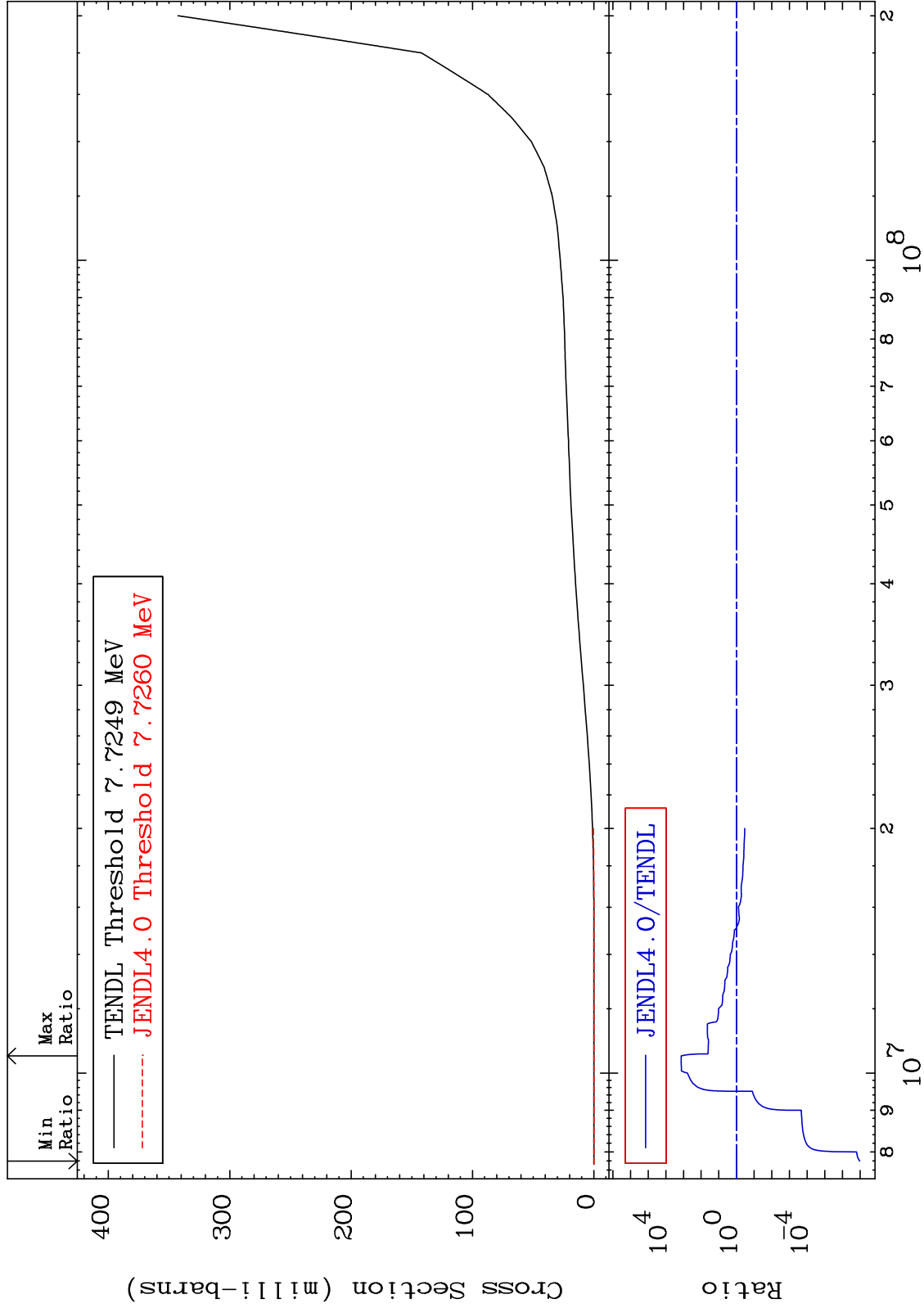
Incident Energy (eV)

64-Gd-156

MAT 6437

Tritium Production
Cross Section

64-Gd-156
-100.0 To 9999. %



48

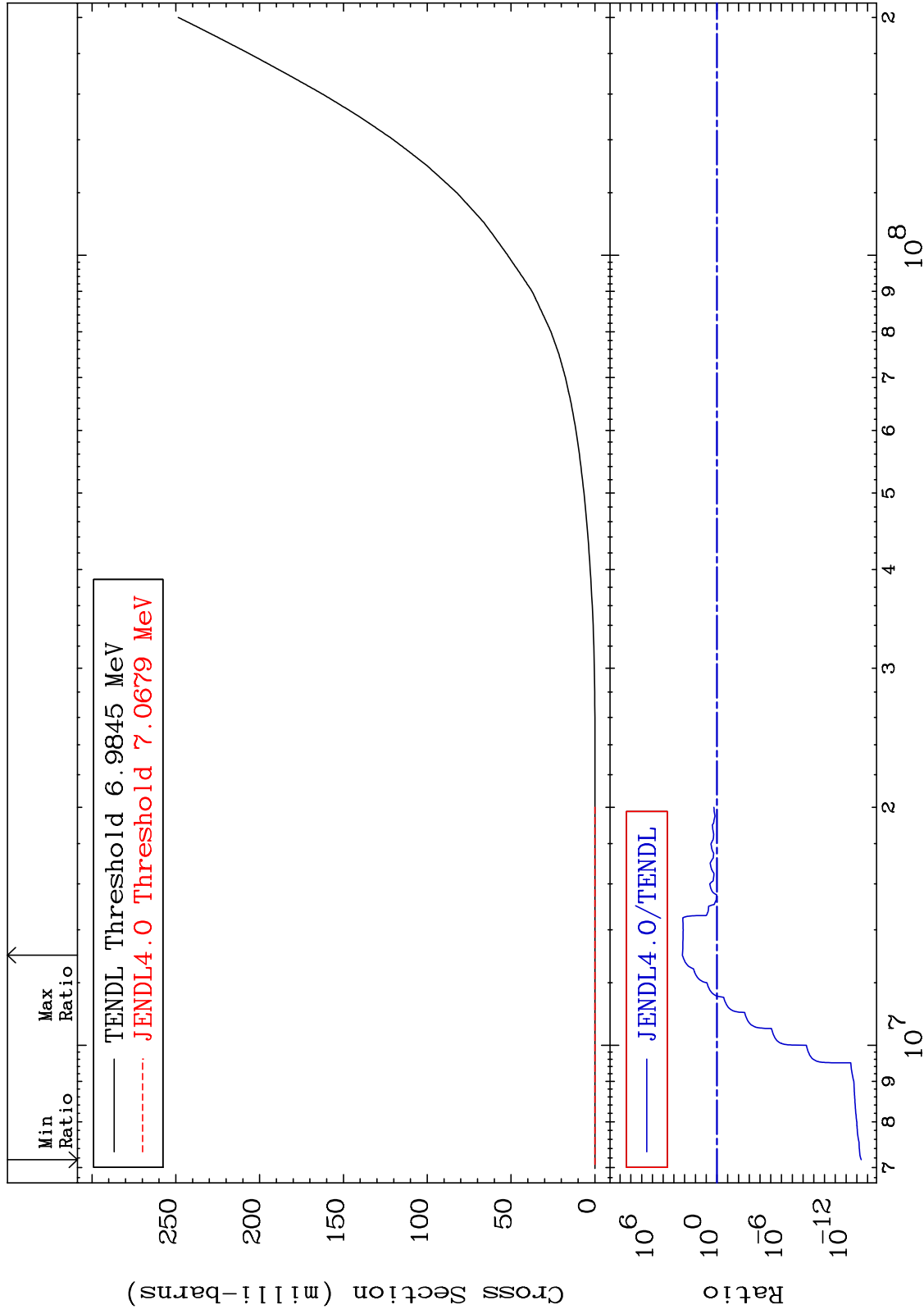
Incident Energy (eV)

64-Gd-156

MAT 6437

He-3 Production
Cross Section

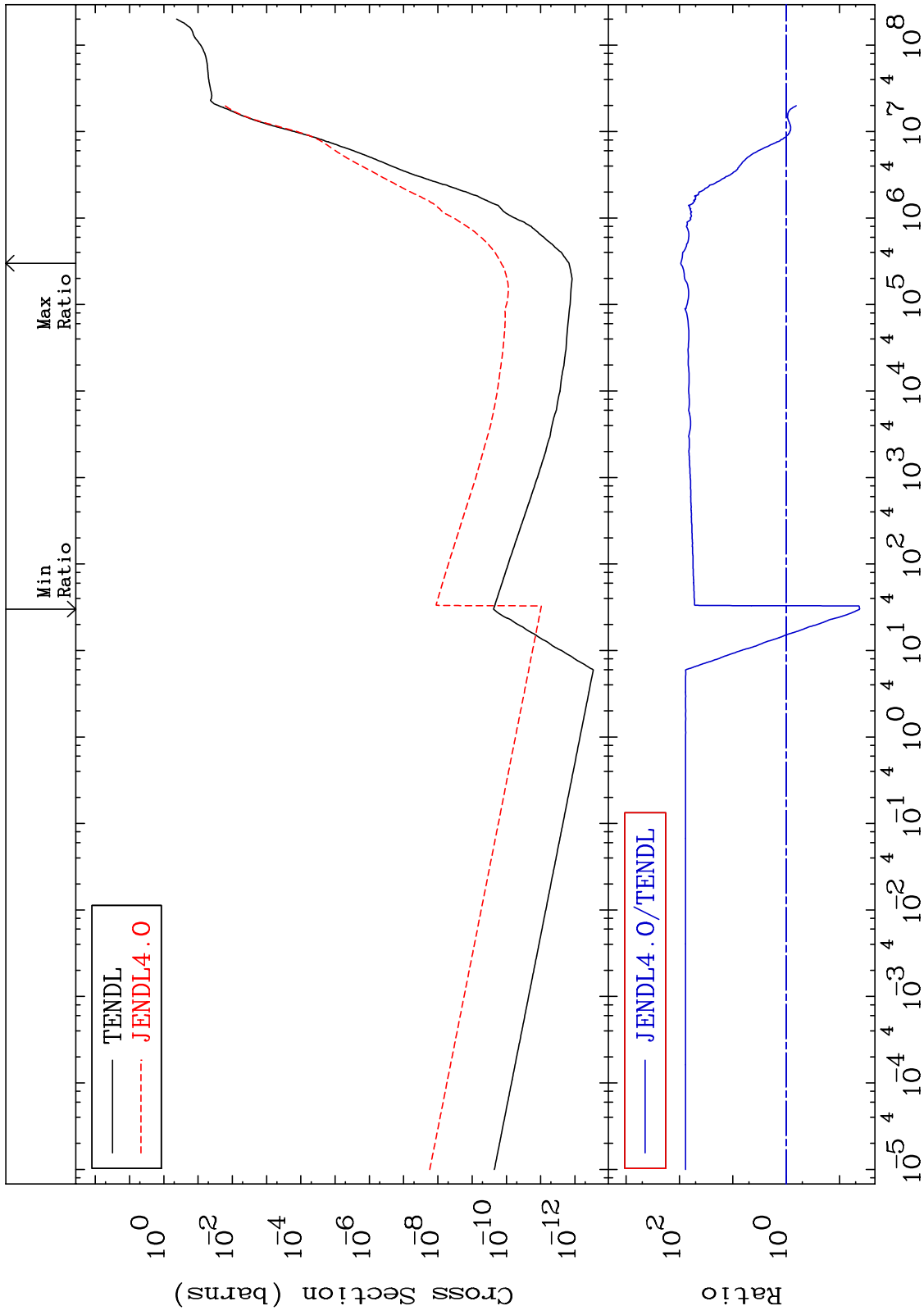
64-Gd-156
-100.0 To 9999. %



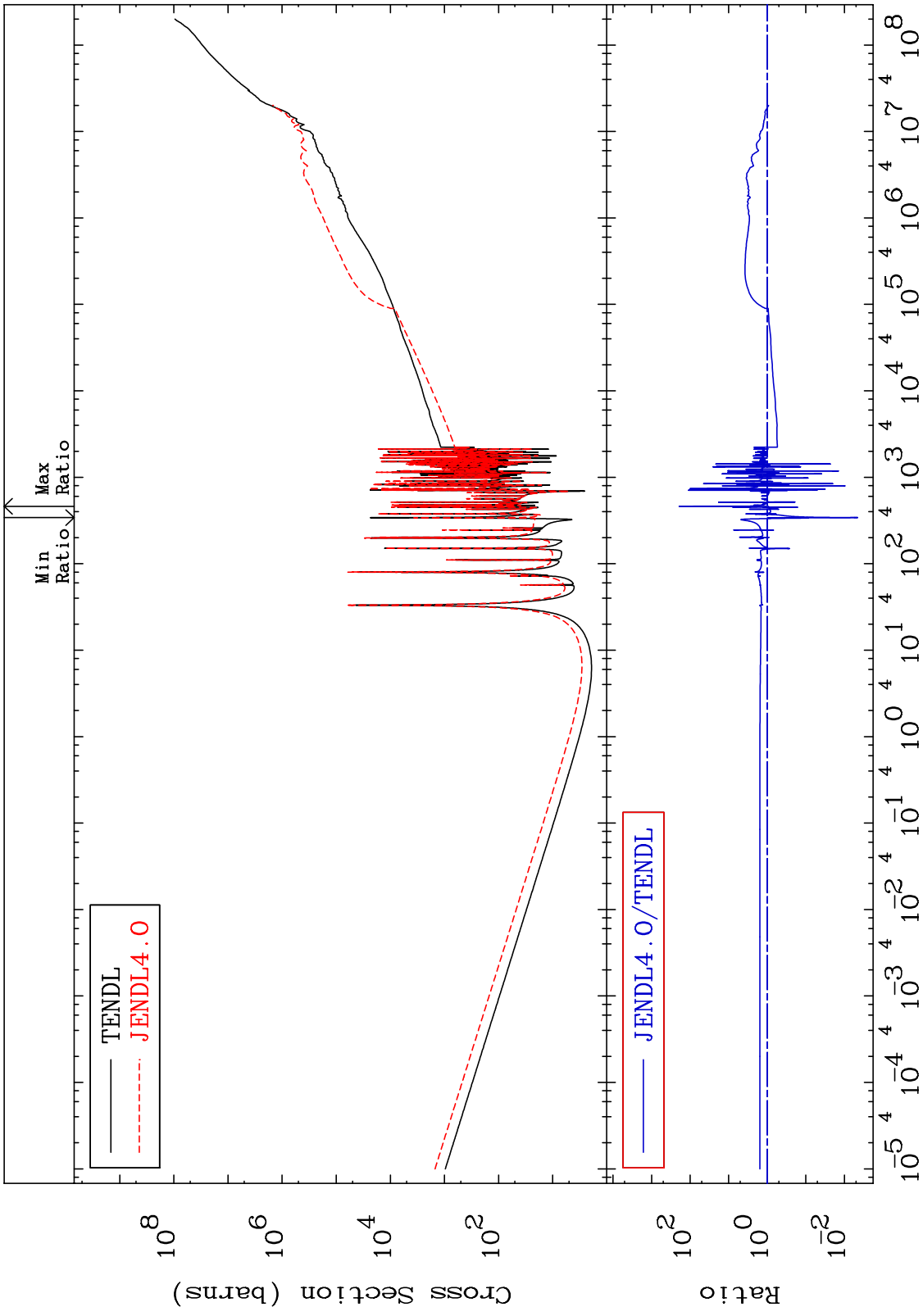
MAT 6437

He-4 Production
Cross Section

64-Gd-156
-95.80 To 9351. %



MAT 6437 Kerma total (eV-barns) 64-Gd-156
 Cross Section -99.55 To 9999. %

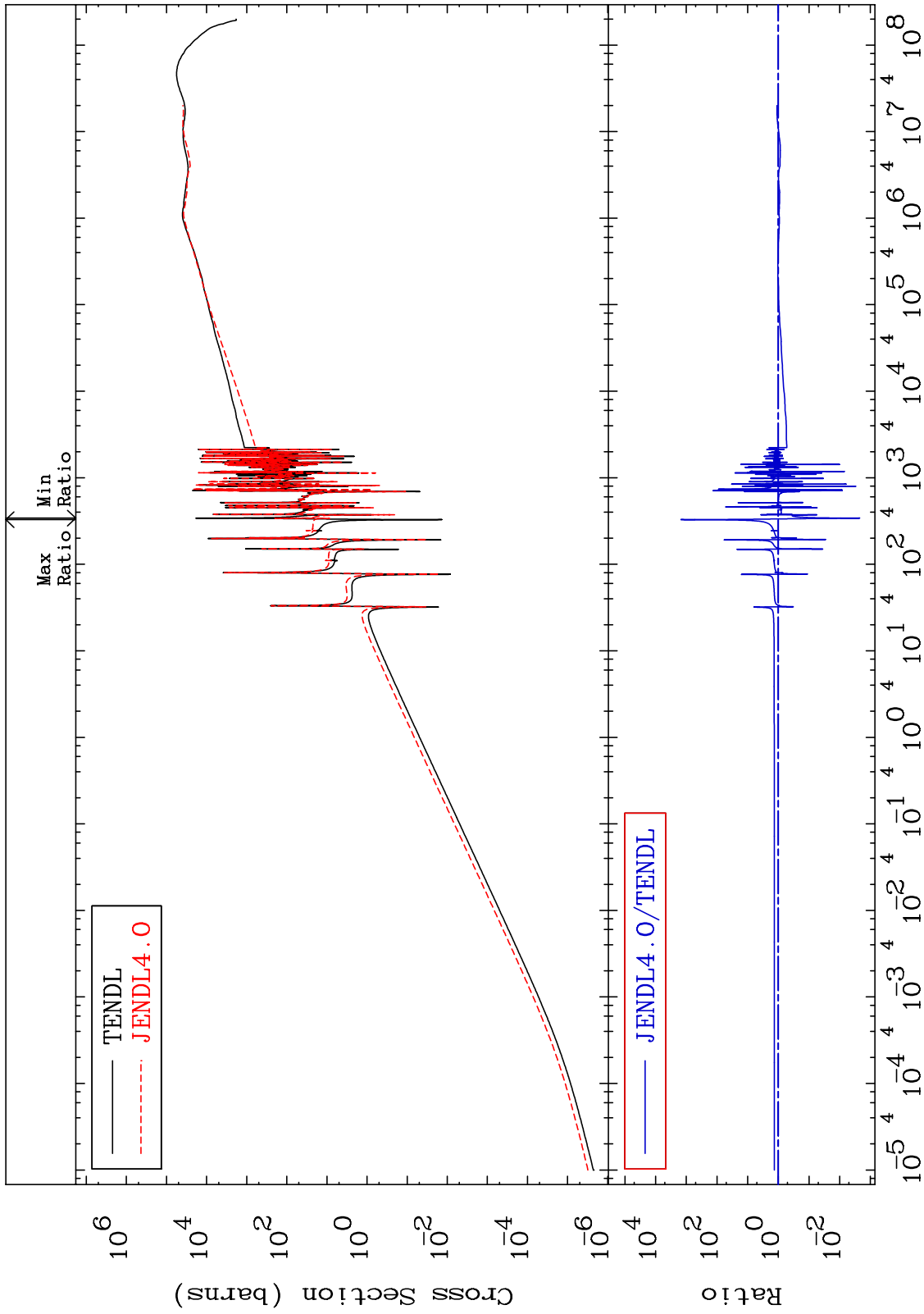


51 Incident Energy (eV) 64-Gd-156

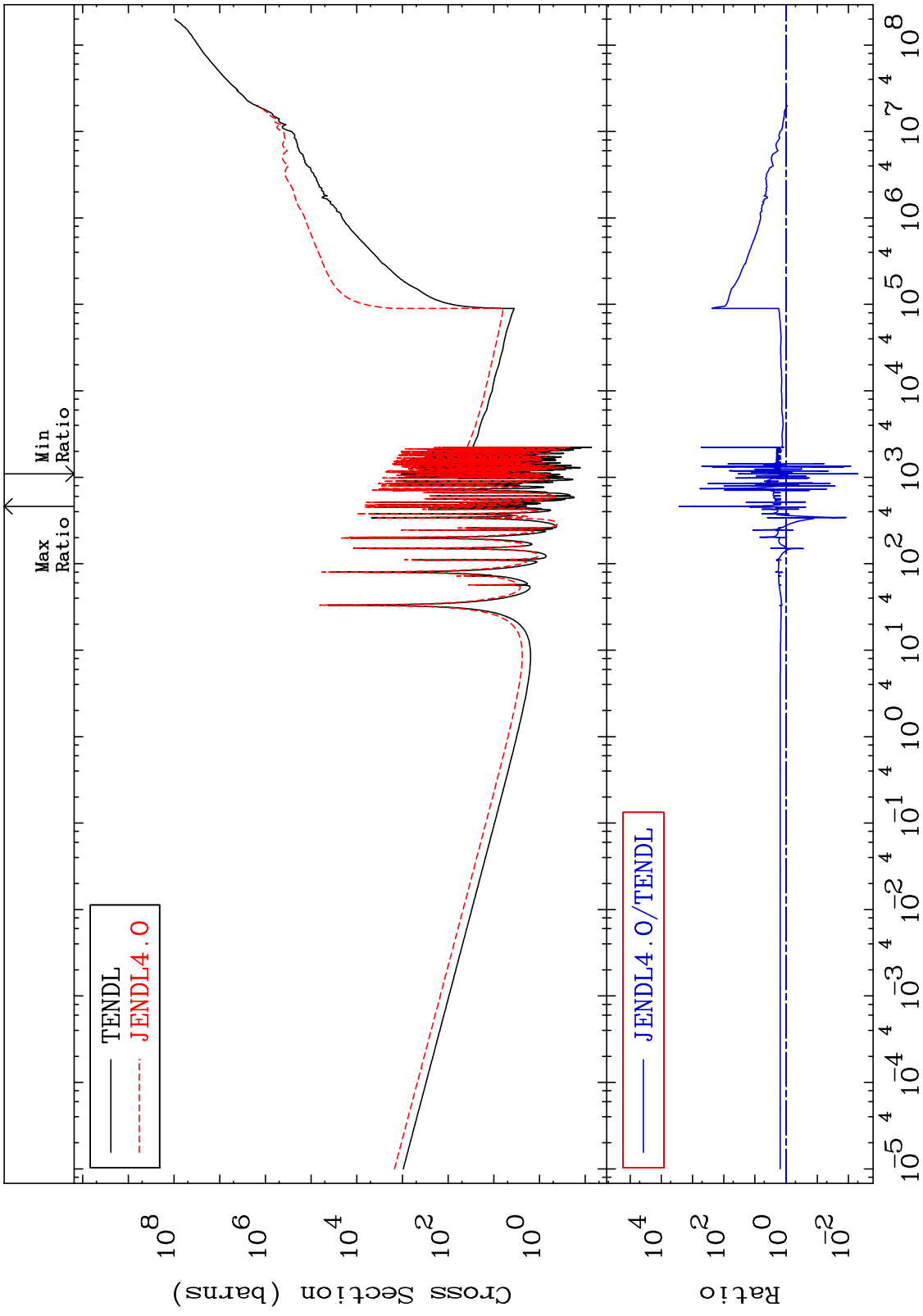
MAT 6437

Kerma elastic
Cross Section

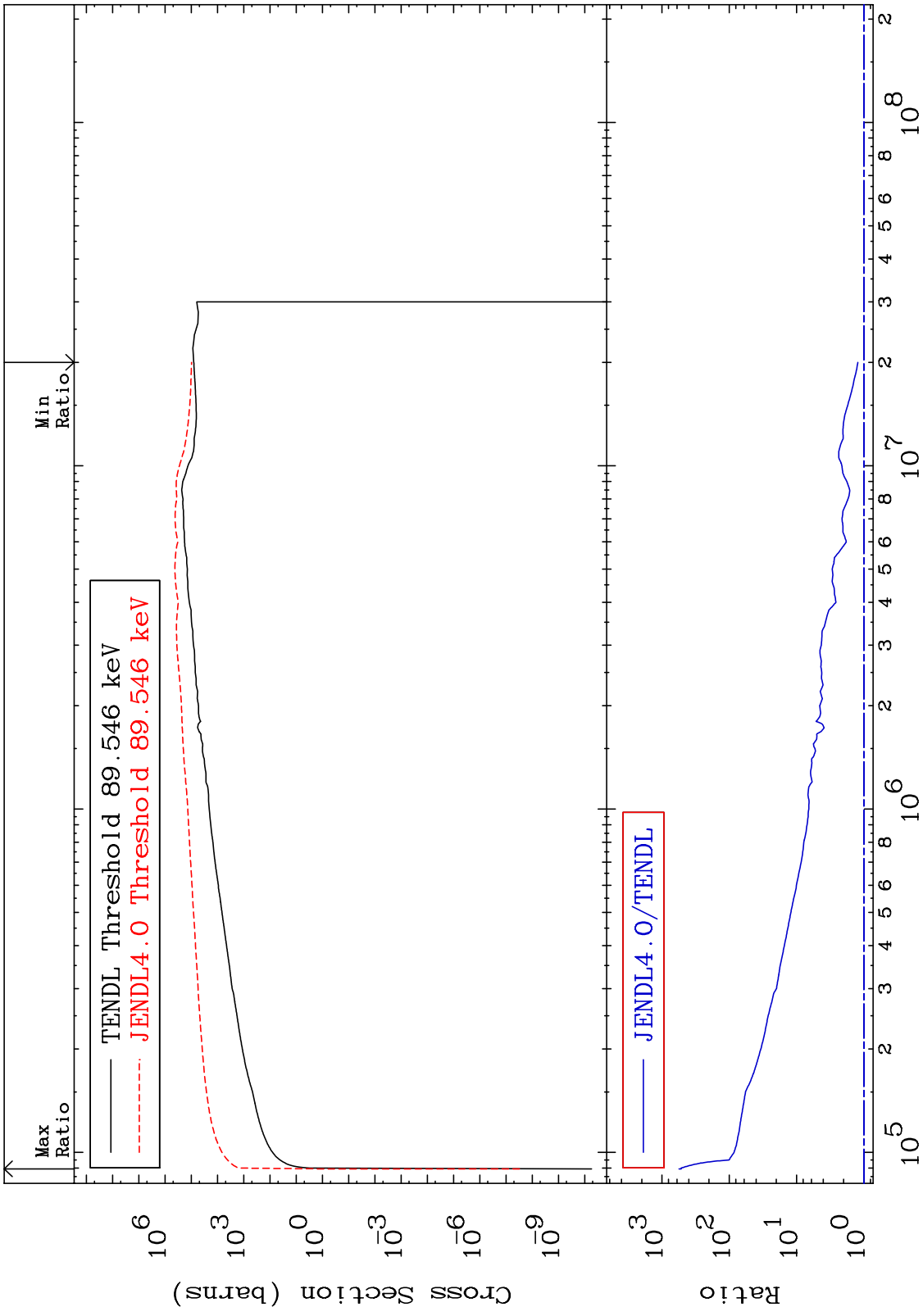
64-Gd-156
-99.78 To 9999. %



MAT 6437 Kerma non-elastic (all but mt2) 64-Gd-156
 -99.50 To 9999. %
 Cross Section



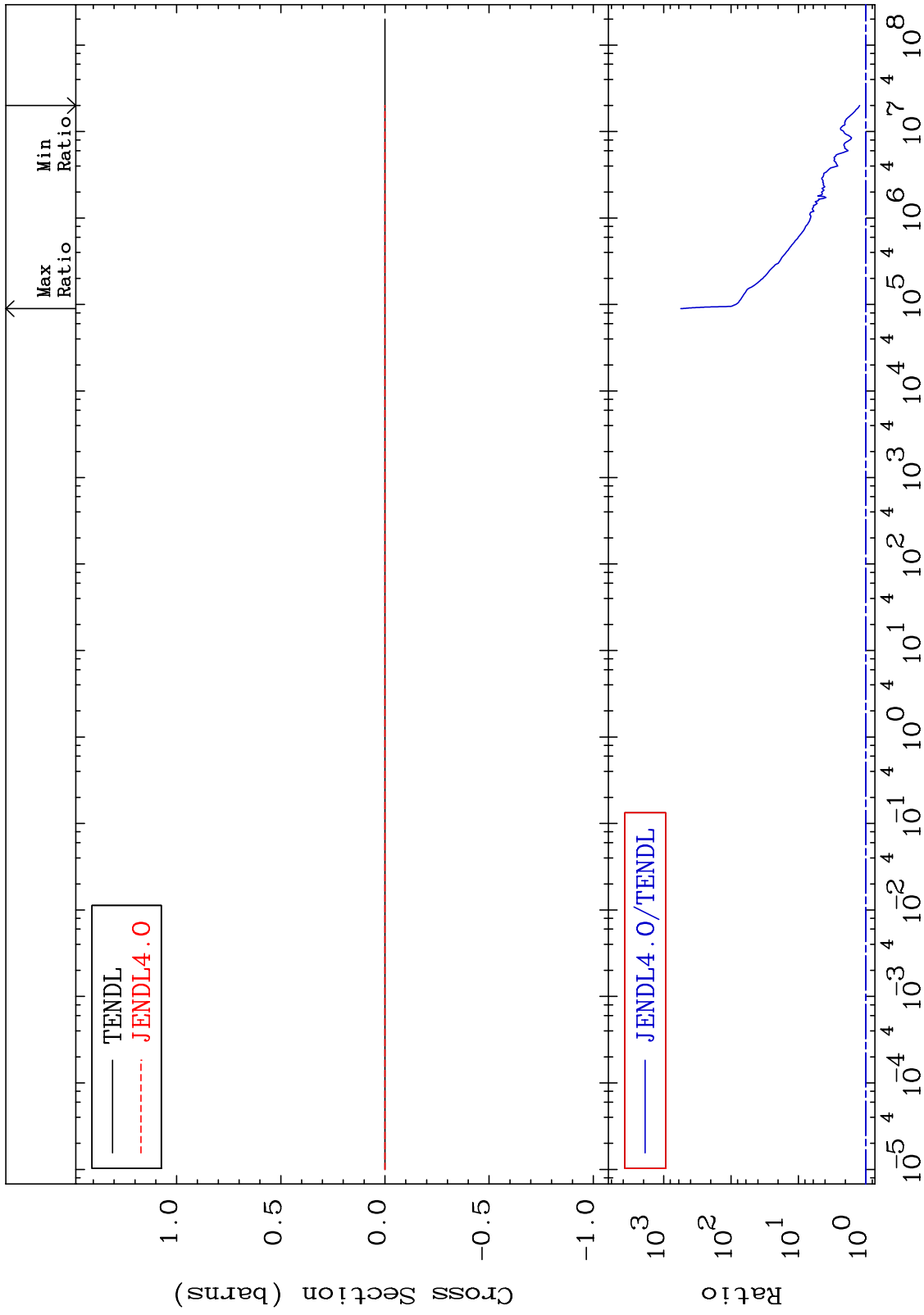
MAT 6437 Kerma inelastic (mt51-91) 64-Gd-156
 Cross Section 22.84 To 9999. %



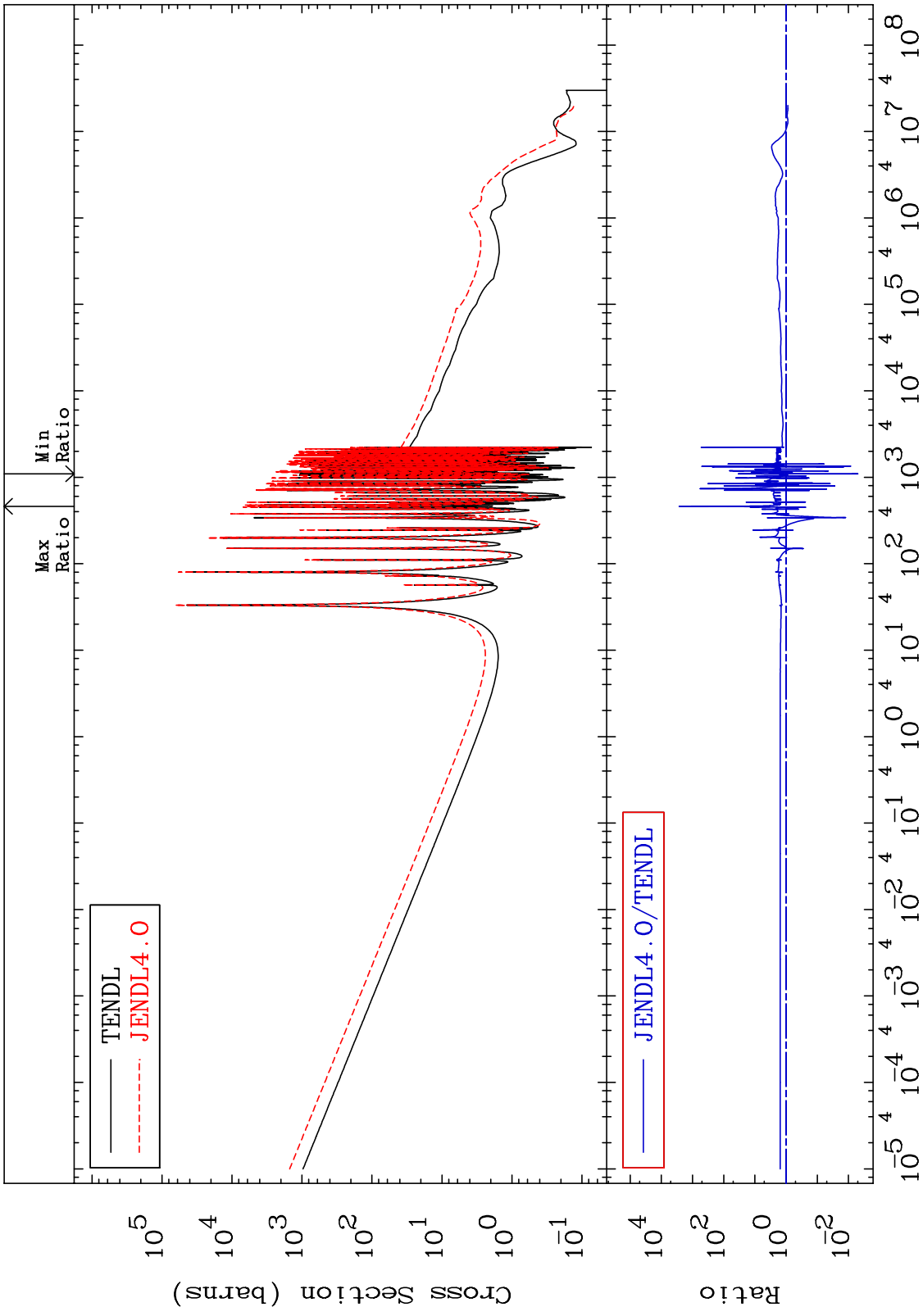
MAT 6437

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

64-Gd-156
22.84 To 9999. %



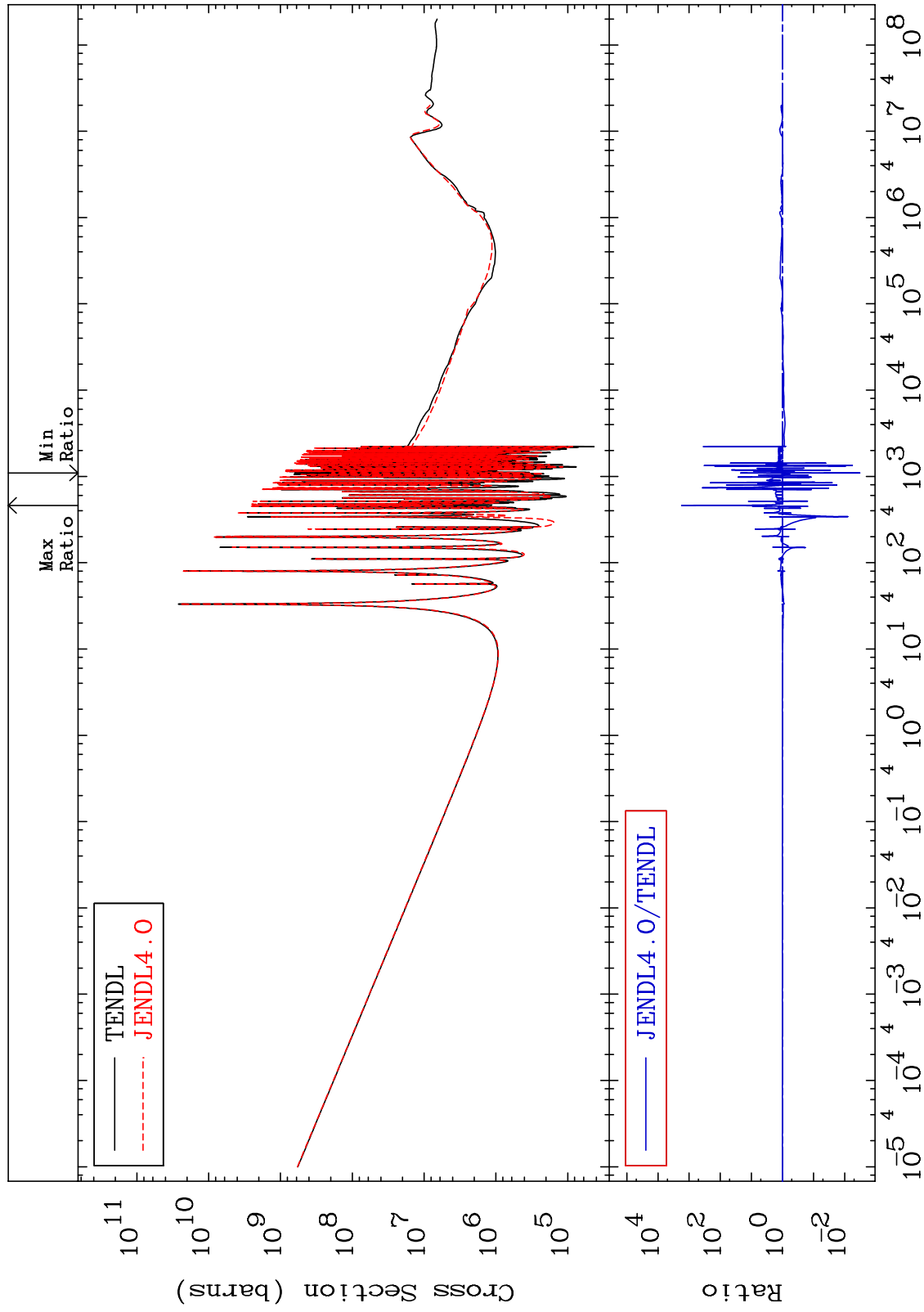
MAT 6437 Kerma capture (mt102) 64-Gd-156
 Cross Section -99.50 To 9999. %



MAT 6437

Total photon (eV-barns)
Cross Section

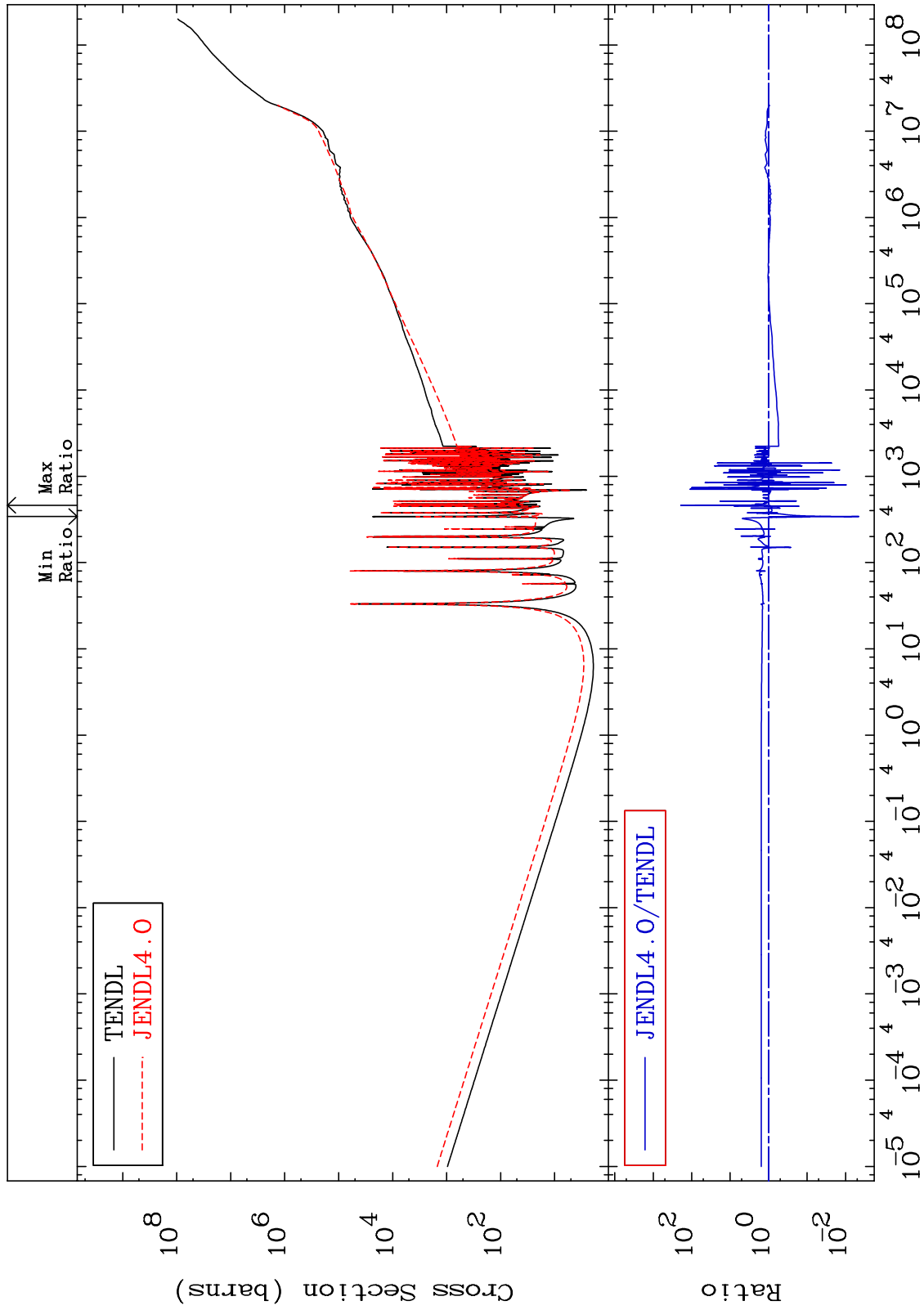
64-Gd-156
-99.67 To 9999. %



MAT 6437

Total kinematic kerma (high limit)
Cross Section

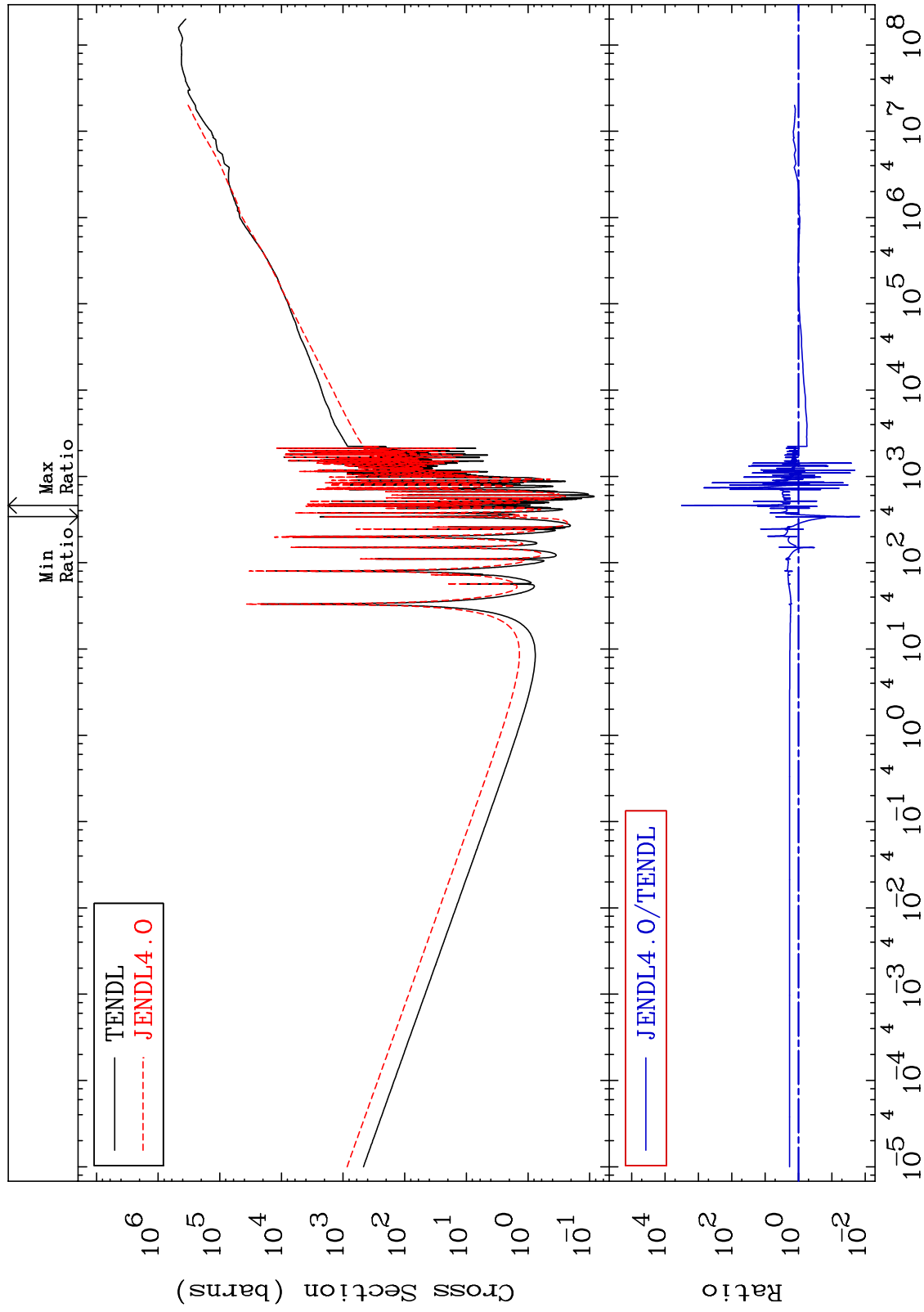
64-Gd-156
-99.55 To 9999. %



MAT 6437

Dpa total (eV-barns)
Cross Section

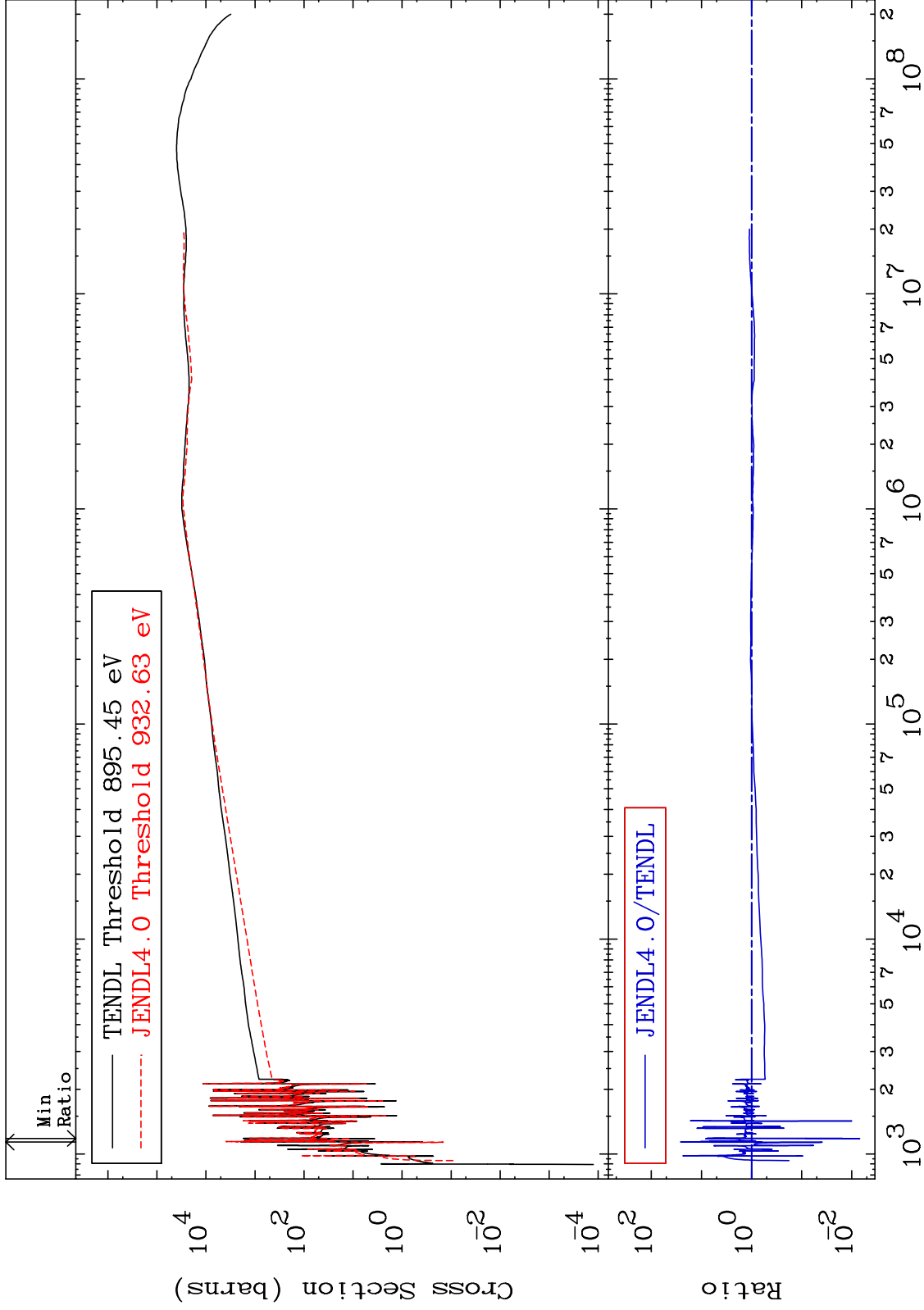
64-Gd-156
-98.56 To 9999. %



MAT 6437

Dpa elastic (mt2)
Cross Section

64-Gd-156
-99.31 To 2480. %

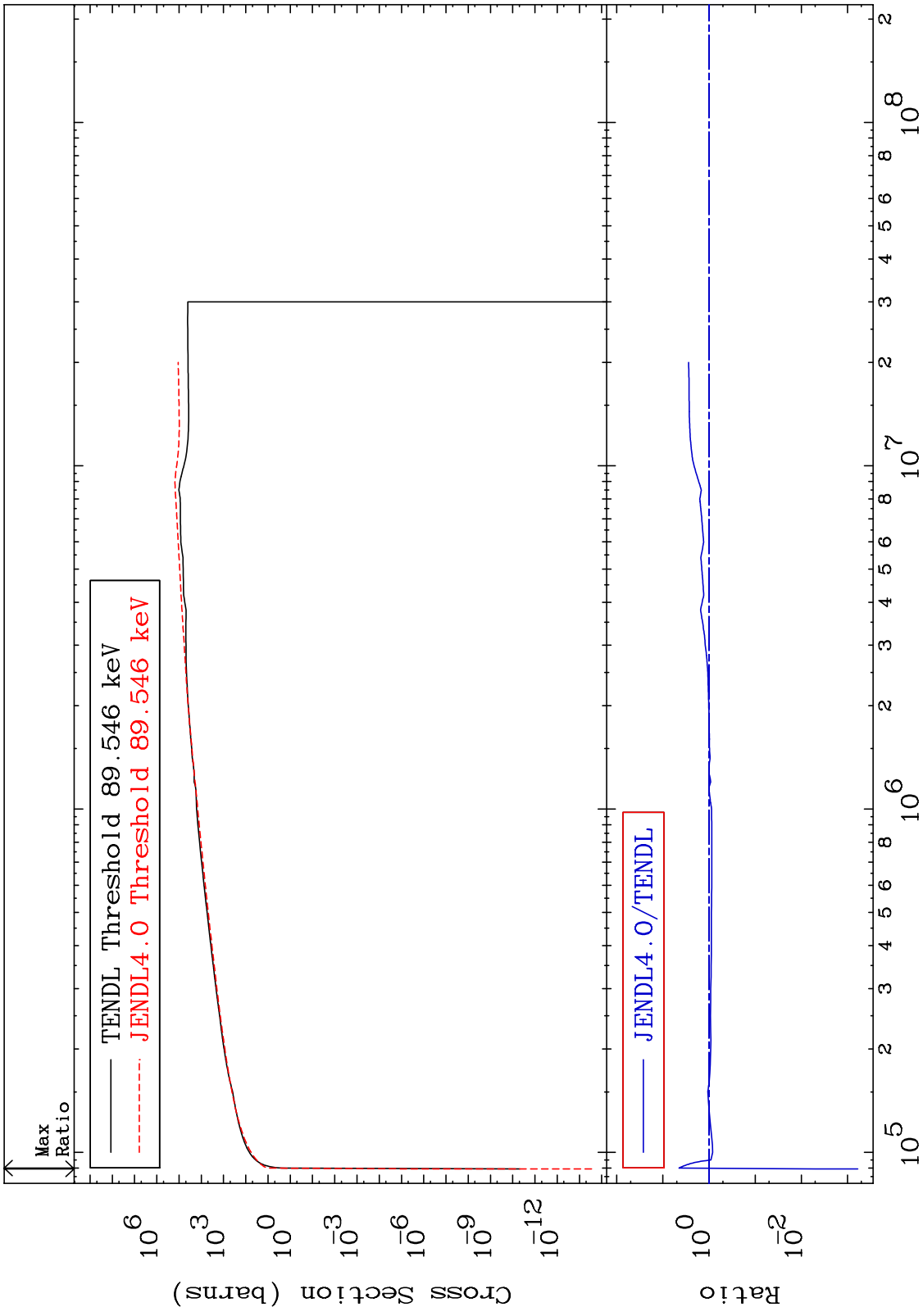


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64-Gd-156

64-Gd-156

MAT 6437 Dpa inelastic (mt51-91) 64-Gd-156
Cross Section -99.94 To 346.7 %



61 Incident Energy (eV) 64-Gd-156

MAT 6437 Dpa disappearance (mt102 -120) 64-Gd-156
 Cross Section -99.41 To 9999. %

