

Program Complot
(Version 2018-1)

by

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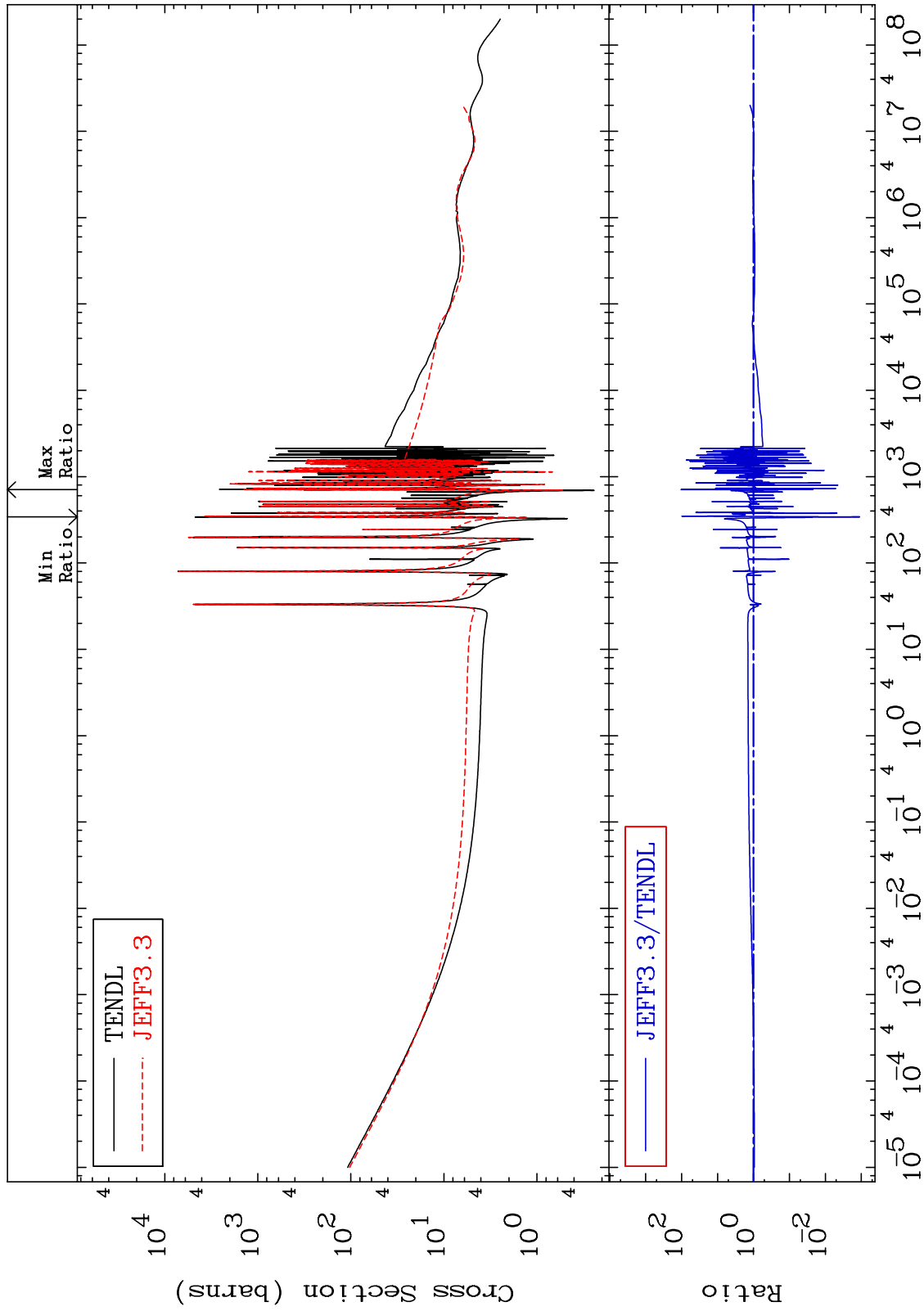
Press Mouse Button to Start

MAT 6437

Total
Cross Section

64-Gd-156

-99.89 To 9999. %



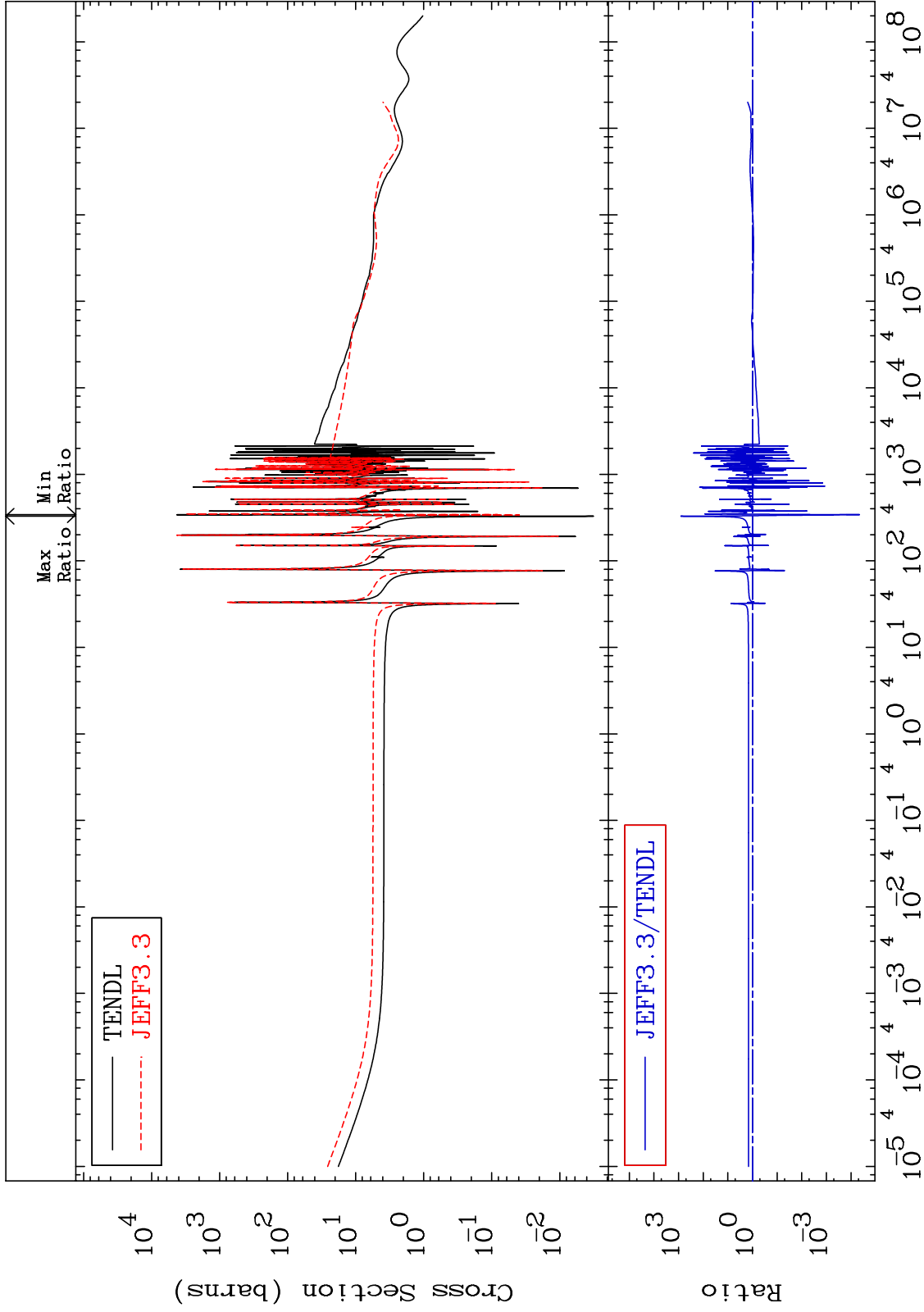
Incident Energy (eV)

64-Gd-156

MAT 6437

Elastic
Cross Section

64-Gd-156
-100.0 To 9999. %



2

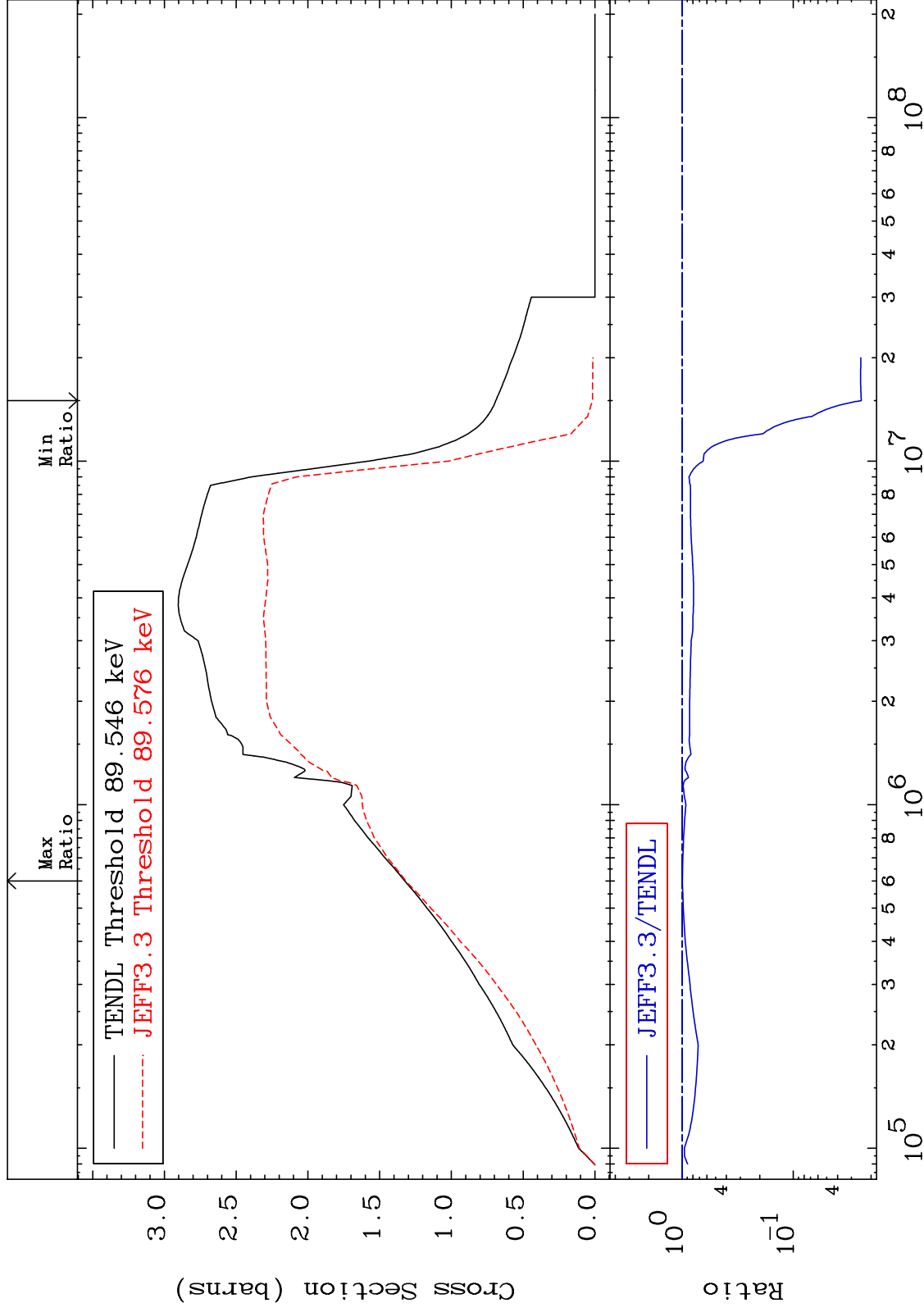
Incident Energy (eV)

64-Gd-156

MAT 6437

Inelastic
Cross Section

64-Gd-156
-97.55 To -0.535%

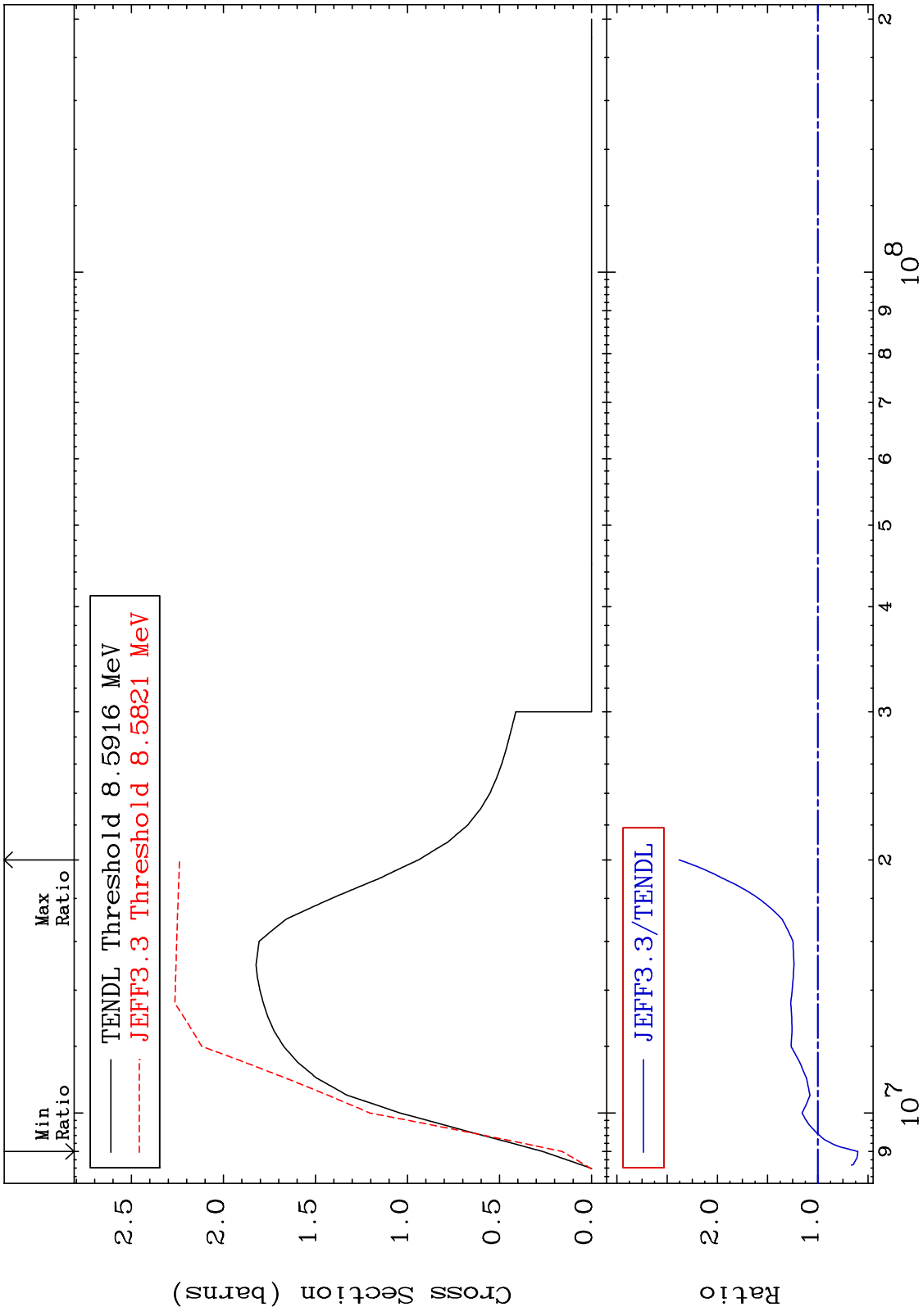


3

Incident Energy (eV)

64-Gd-156

MAT 6437 (n,2n) Cross Section 64-Gd-156 -39.76 To 138.1 %

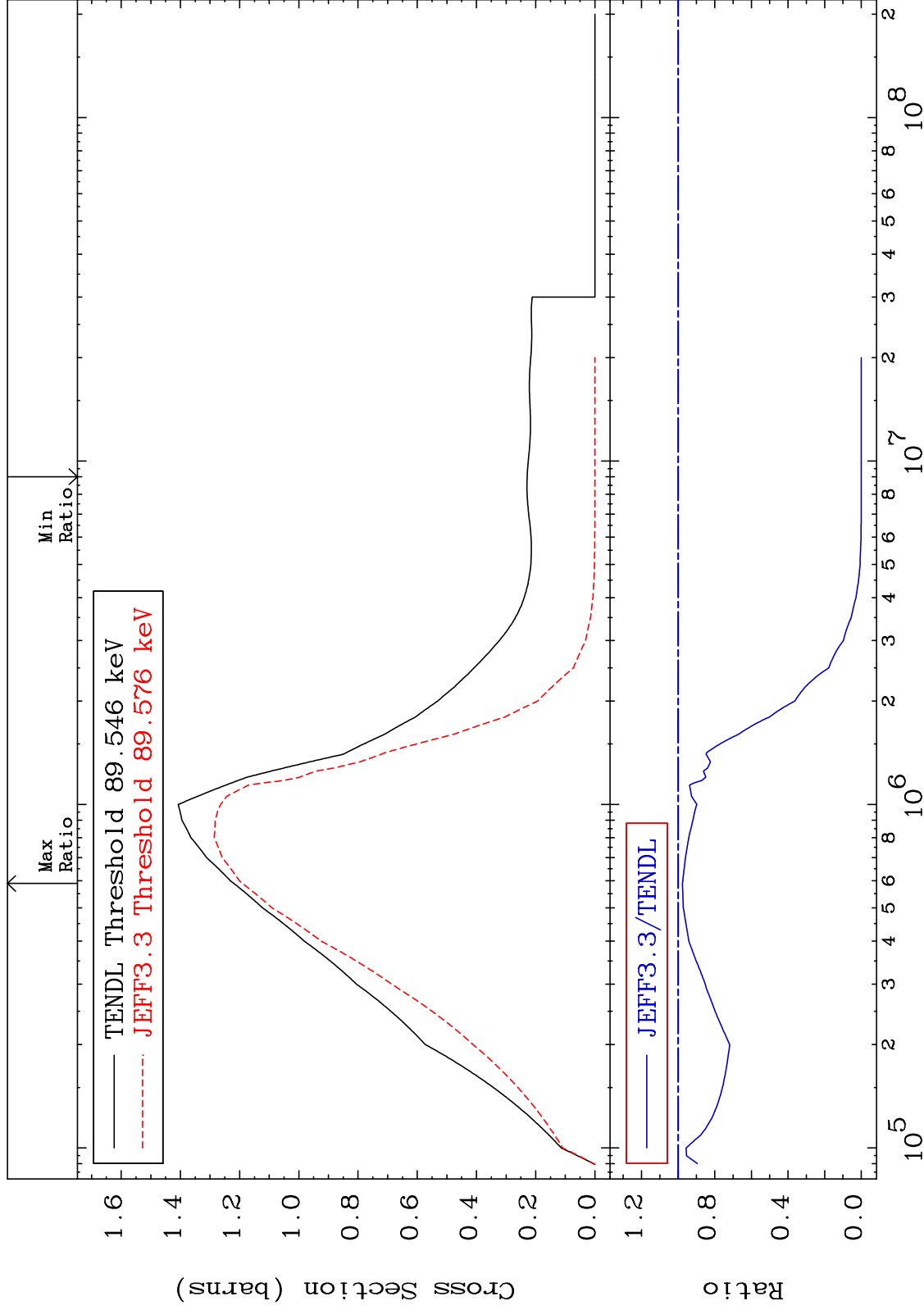


Incident Energy (eV) 64-Gd-156

MAT 6437

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

64-Gd-156
-100.0 To -2.351%

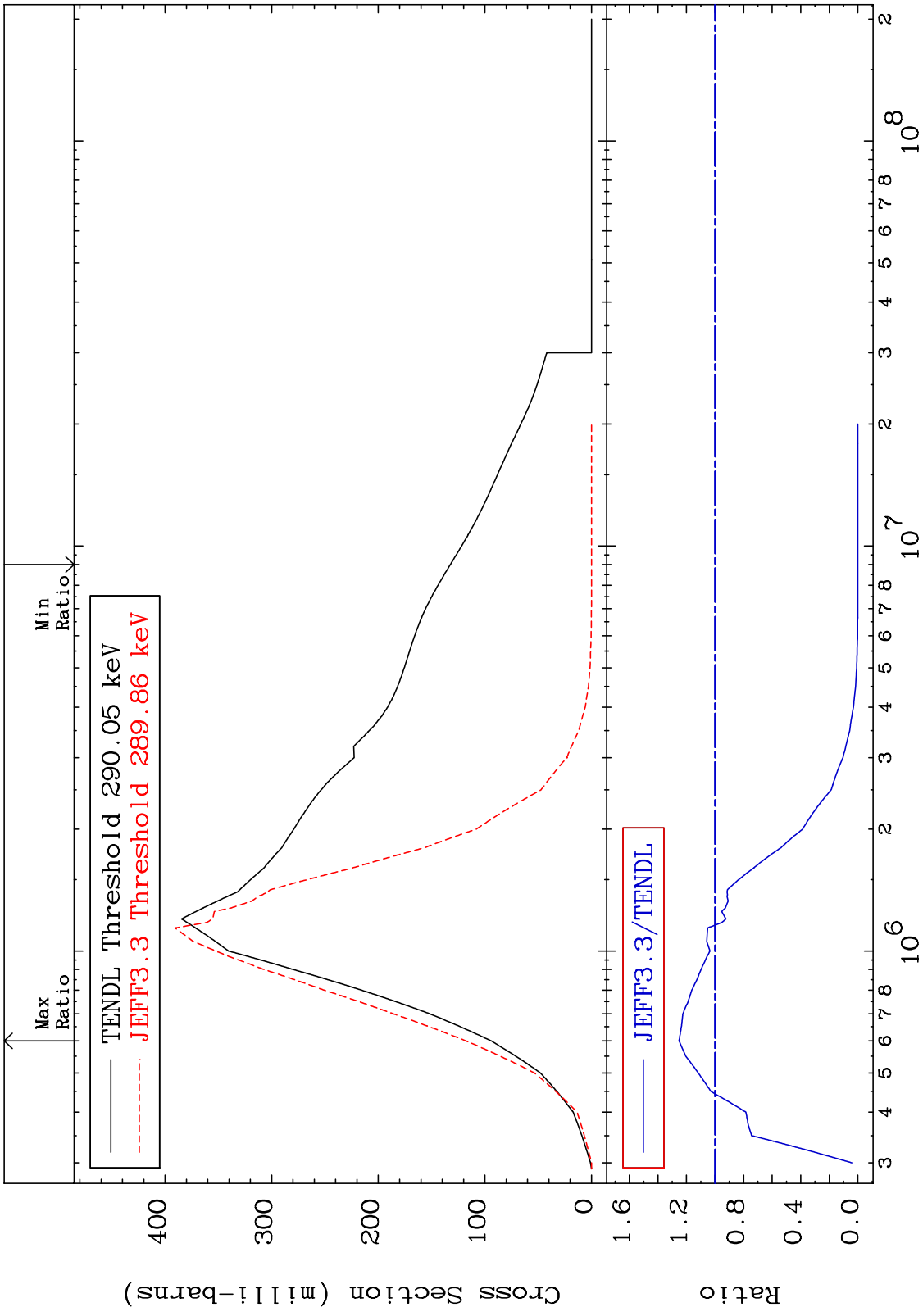


5

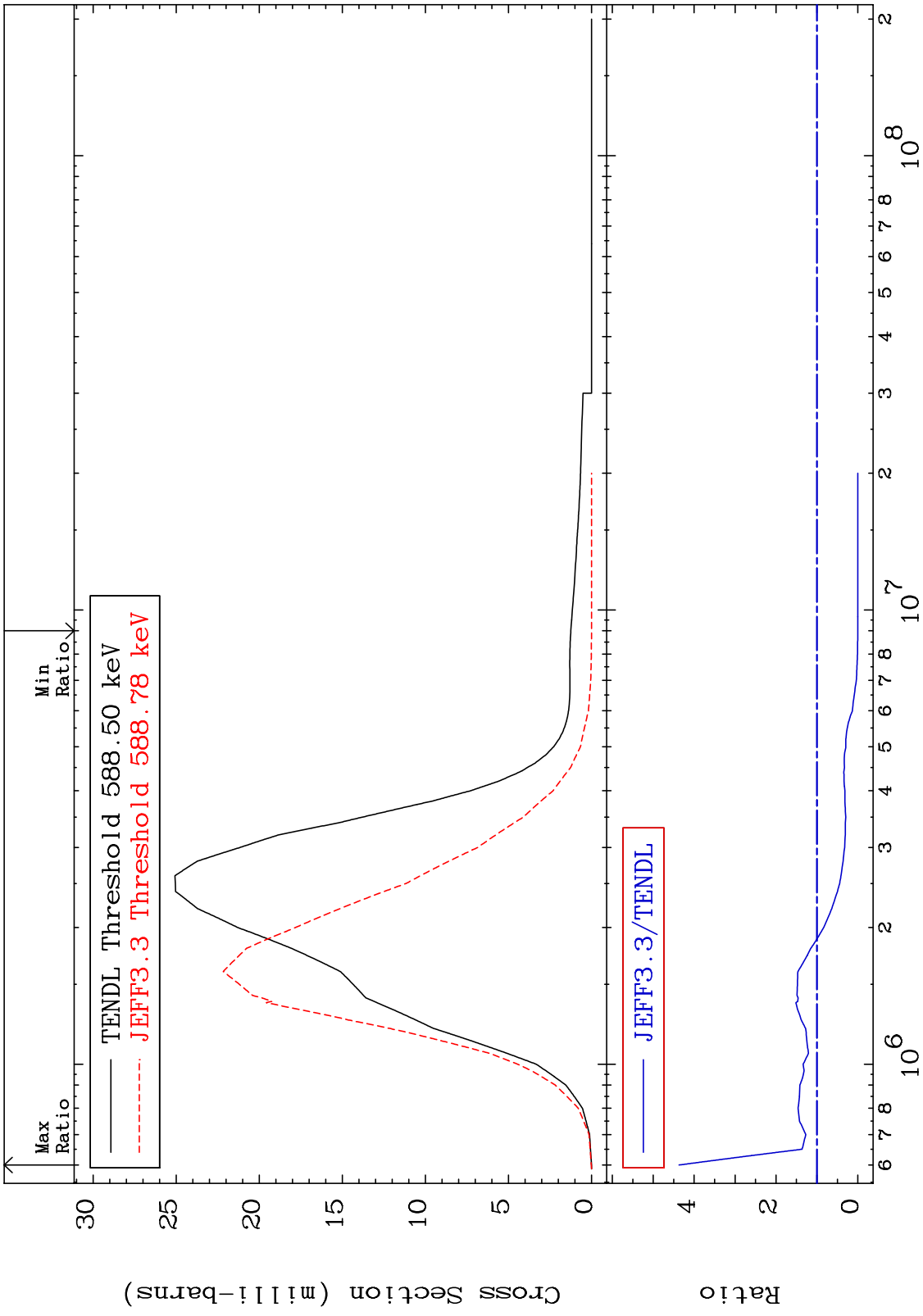
Incident Energy (eV)

64-Gd-156

MAT 6437 MT= 52 (n,n') Level Cross Section -100.0 To 25.23 % 64-Gd-156

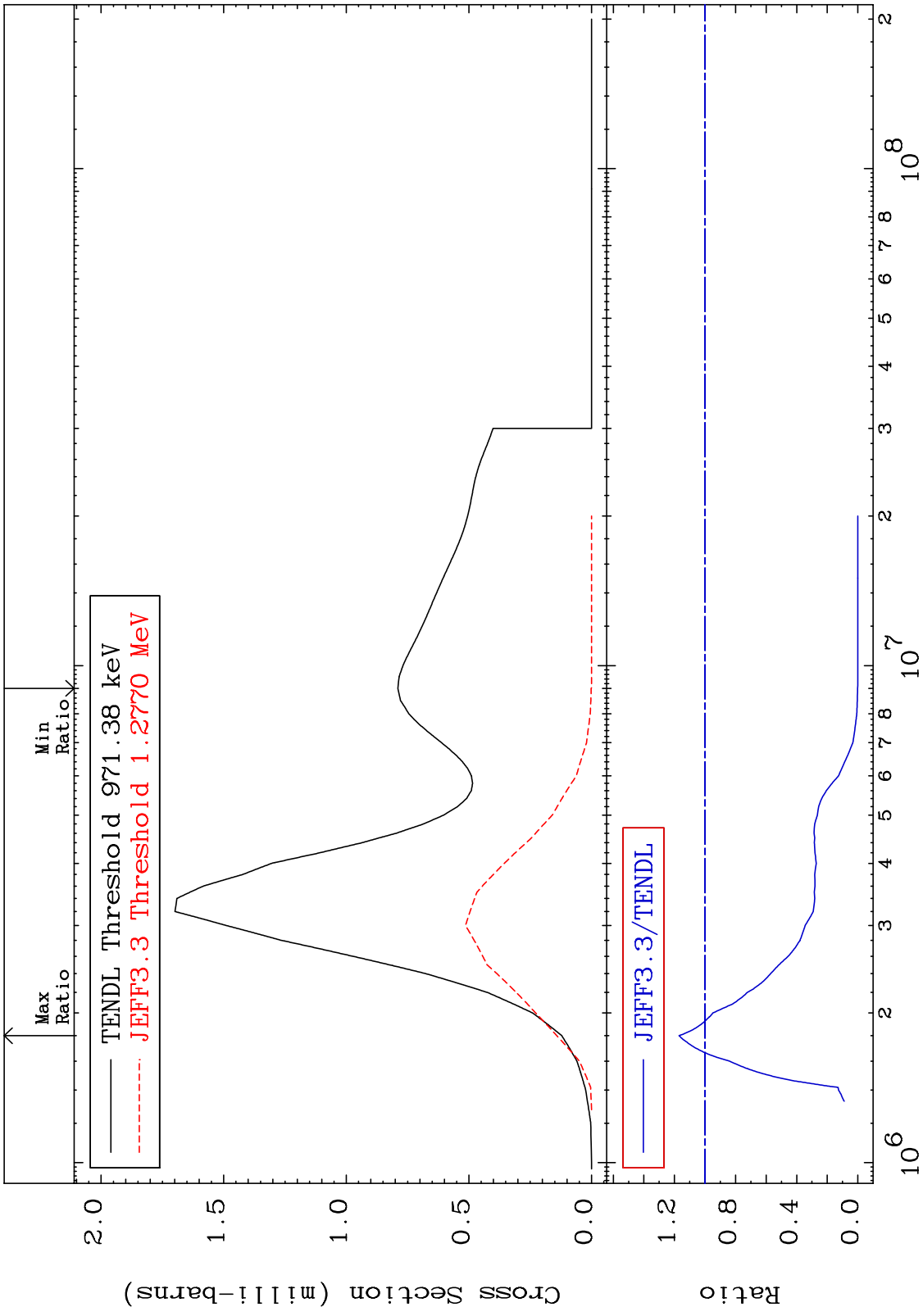


MAT 6437 MT= 53 (n,n') Level Cross Section 64-Gd-156
 -100.0 To 336.9 %



7 Incident Energy (eV) 64-Gd-156

MAT 6437 MT= 54 (n,n') Level Cross Section 64-Gd-156
 -100.0 To 16.99 %

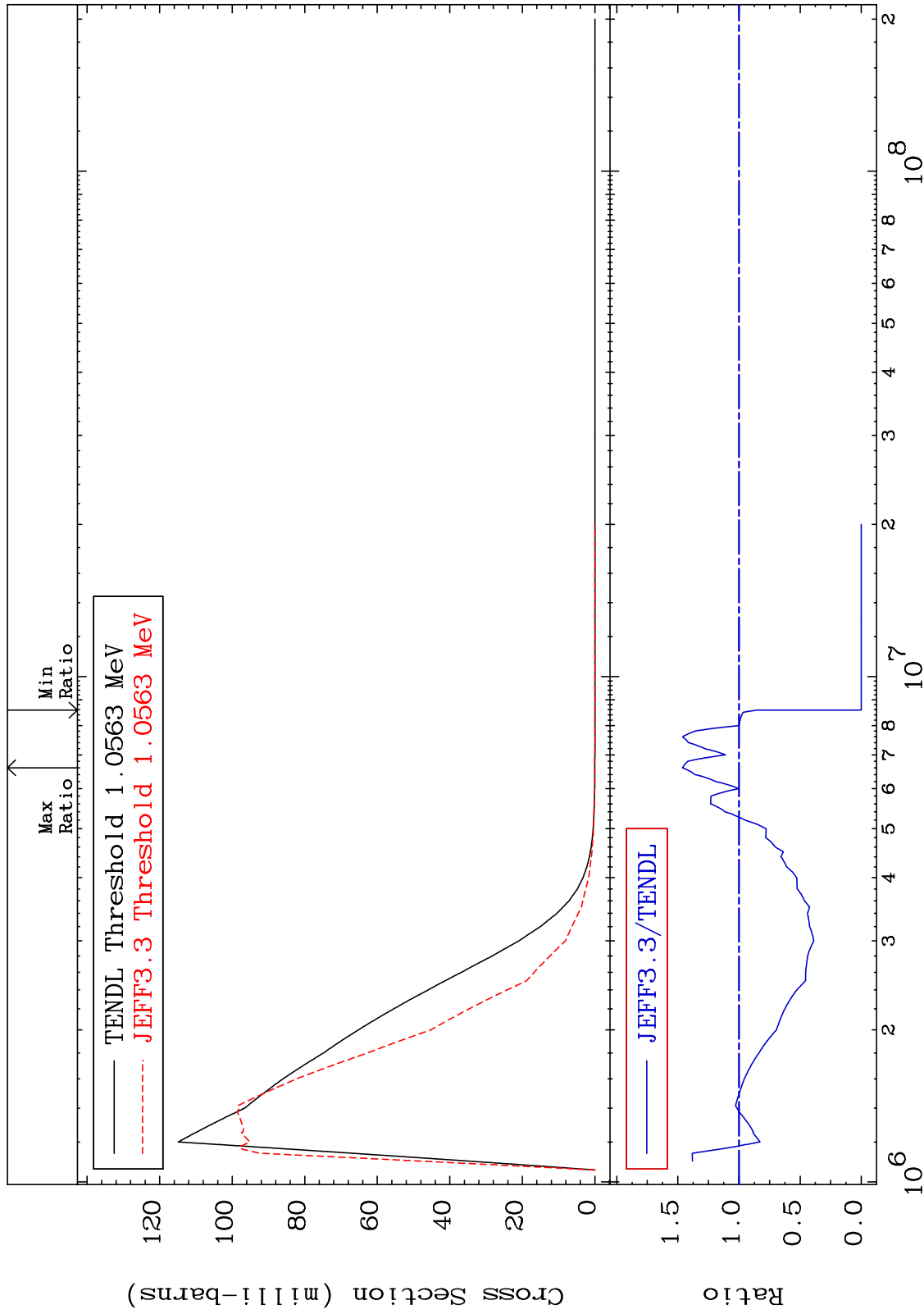


Incident Energy (eV) 64-Gd-156

MAT 6437

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

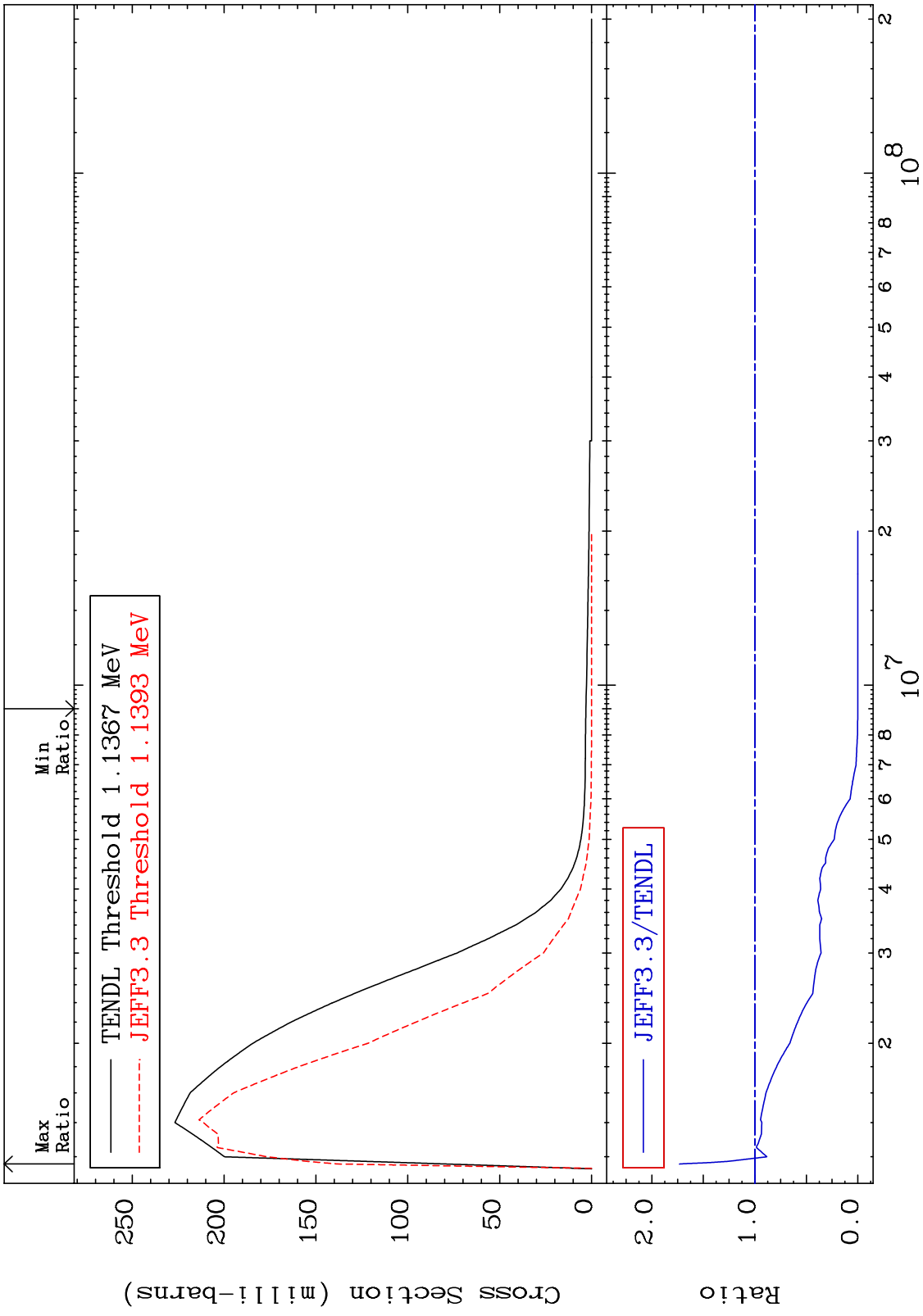
64-Gd-156
-100.0 To 46.24 %



9

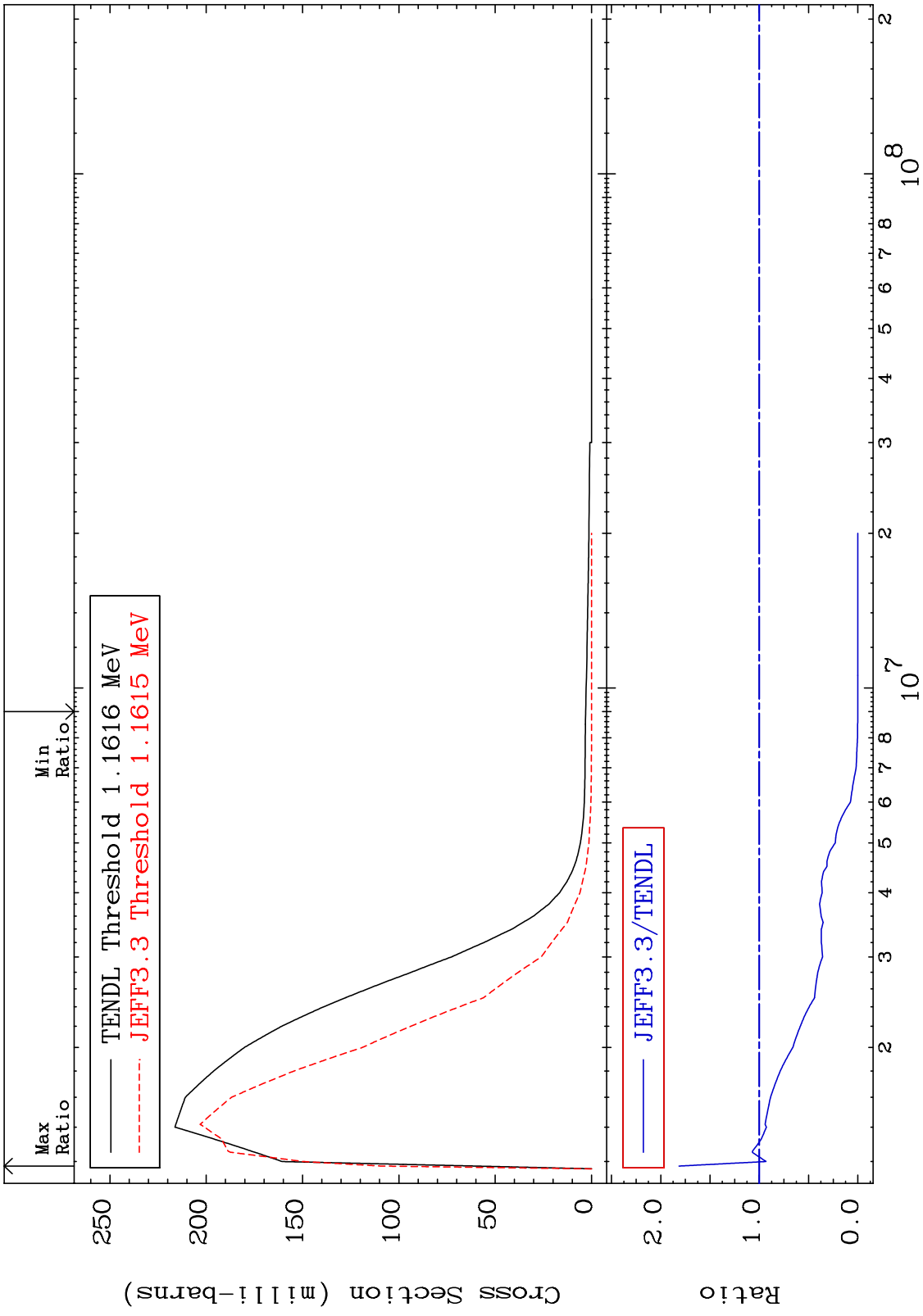
64-Gd-156

MAT 6437 MT= 56 (n,n') Level Cross Section 64-Gd-156
-100.0 To 73.58 %



10 64-Gd-156

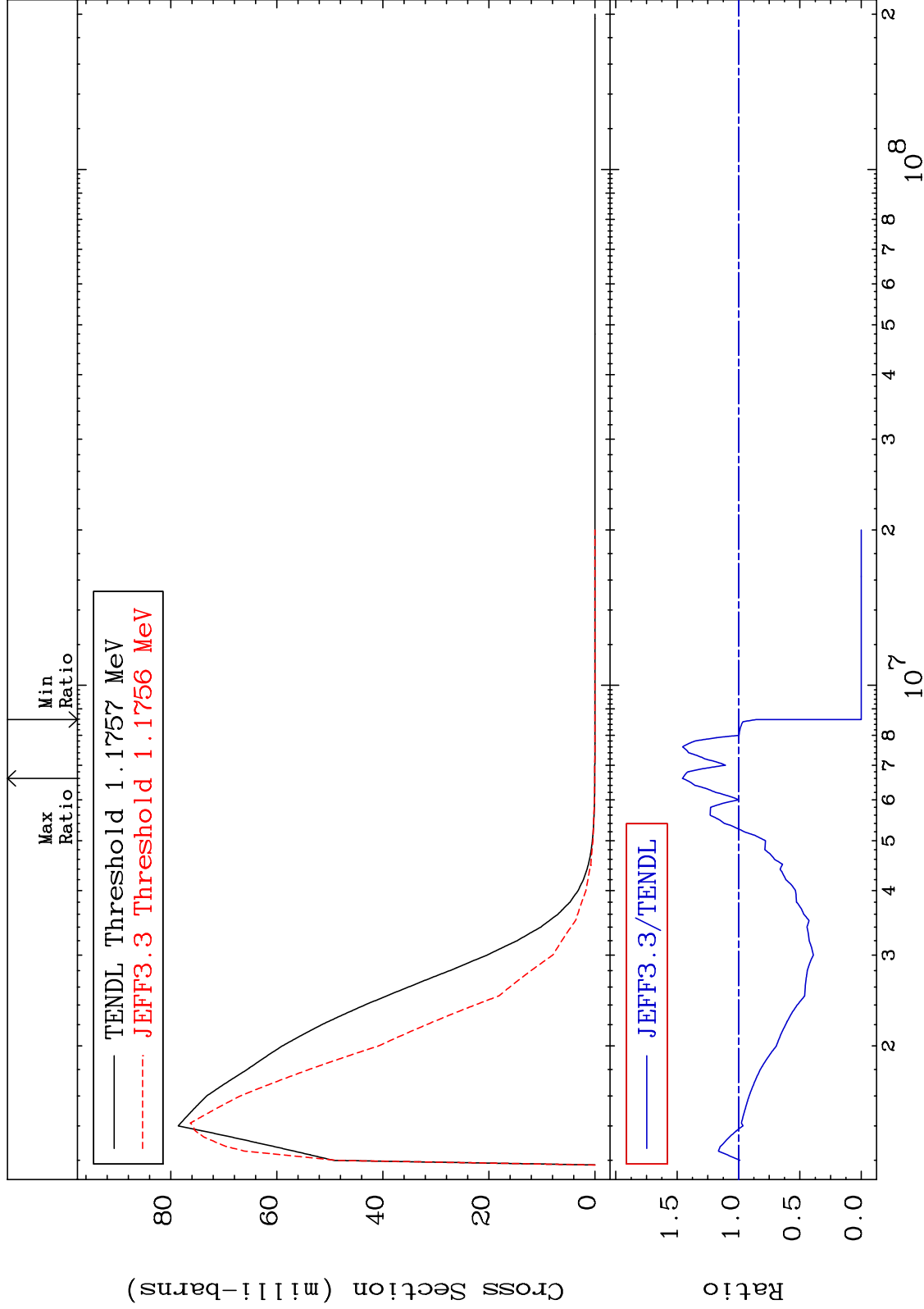
MAT 6437 MT= 57 (n,n') Level Cross Section 64-Gd-156
 -100.0 To 81.46 %



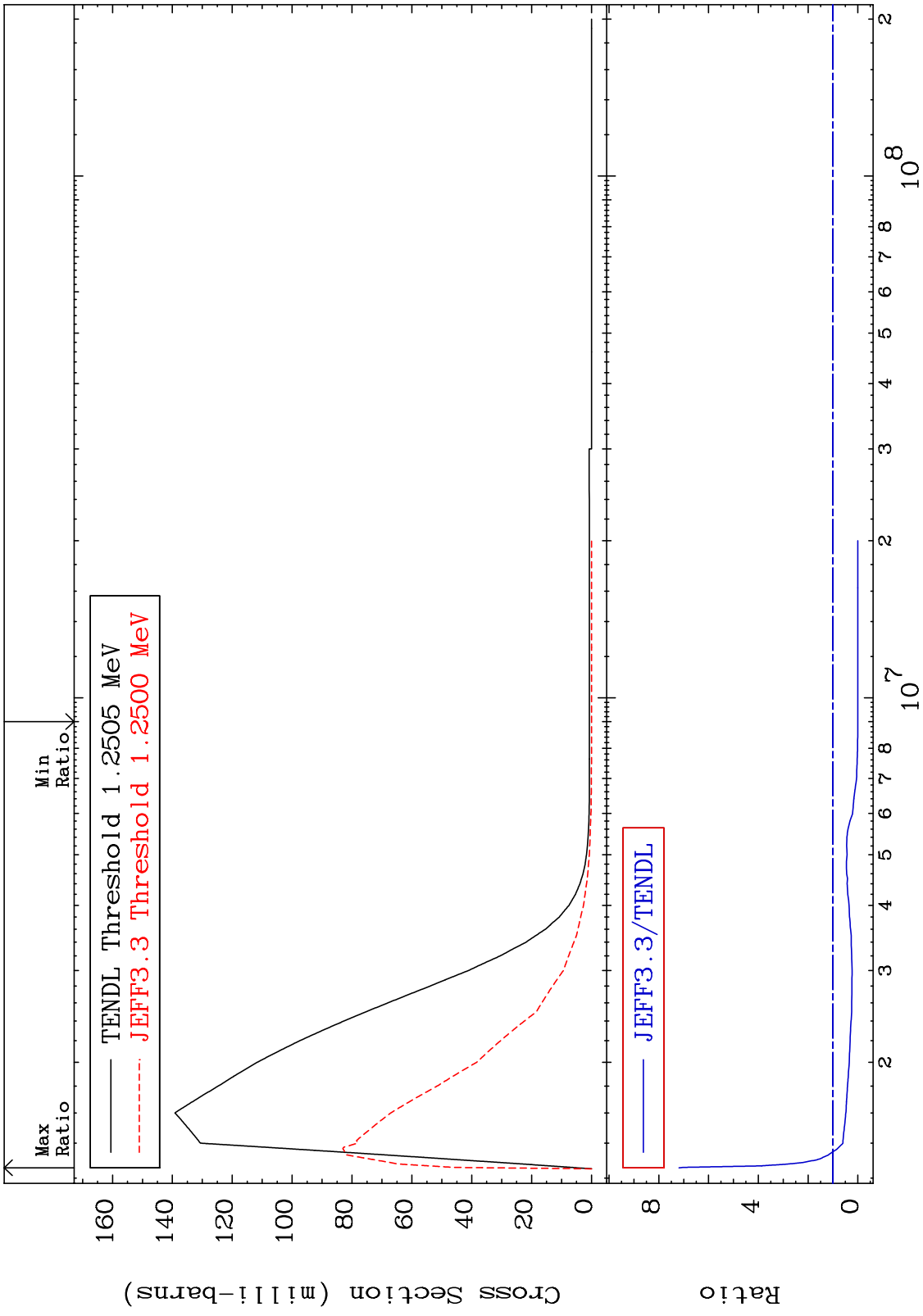
MAT 6437

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

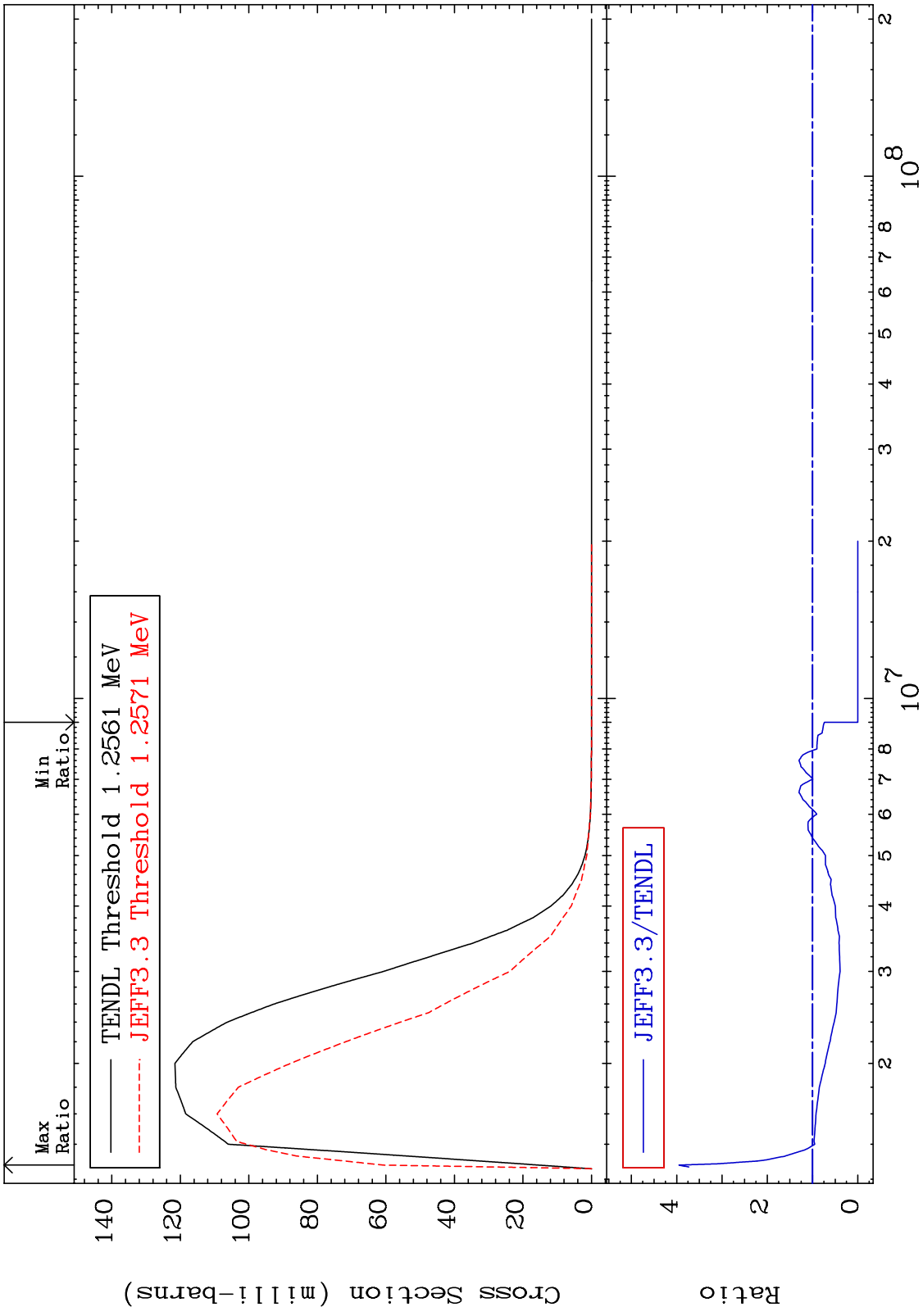
64-Gd-156
-100.0 To 45.68 %



MAT 6437 MT= 59 (n,n') Level Cross Section 64-Gd-156 -100.0 To 618.8 %



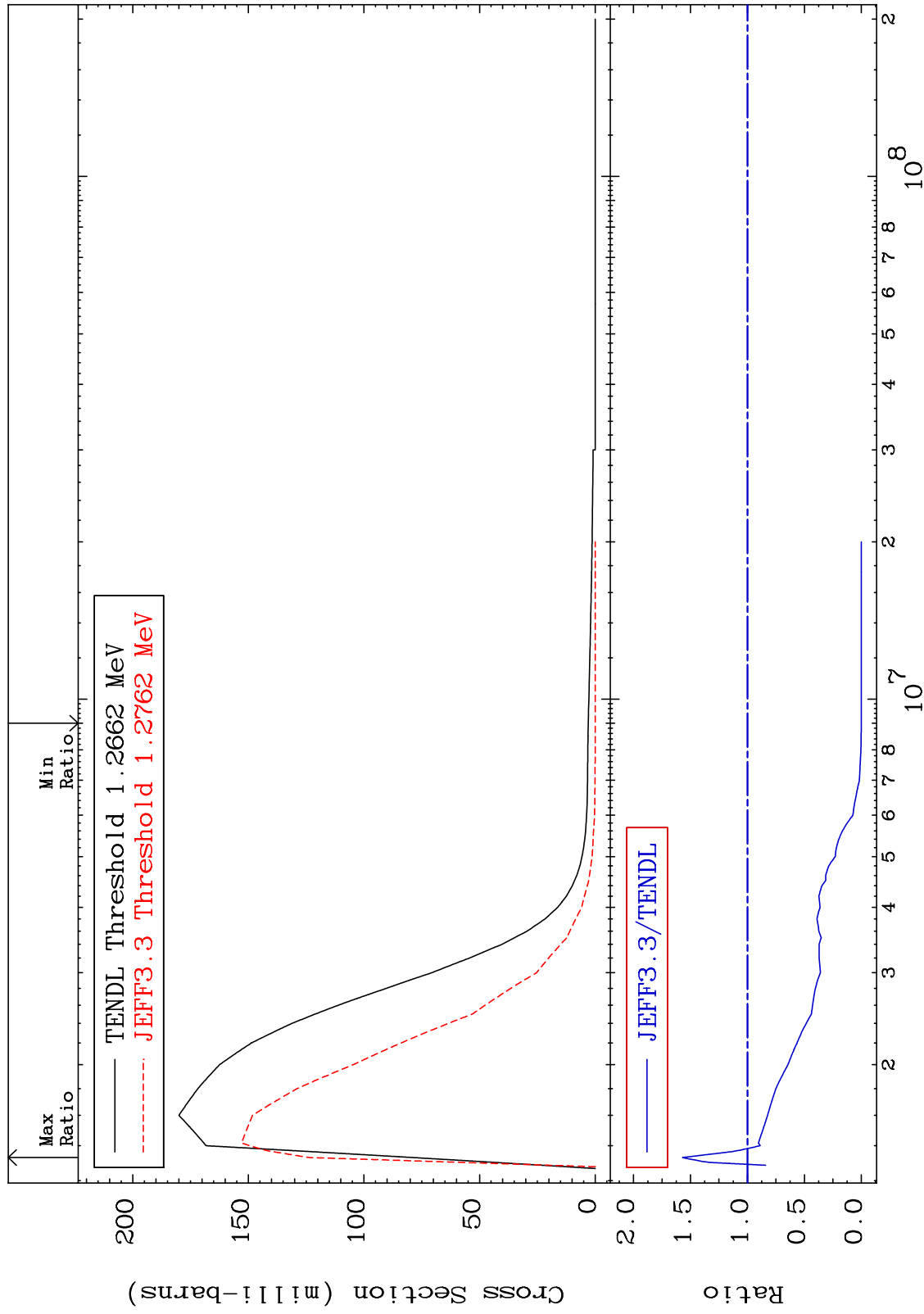
MAT 6437 MT= 60 (n,n') Level Cross Section 64-Gd-156 -100.0 To 294.8 %



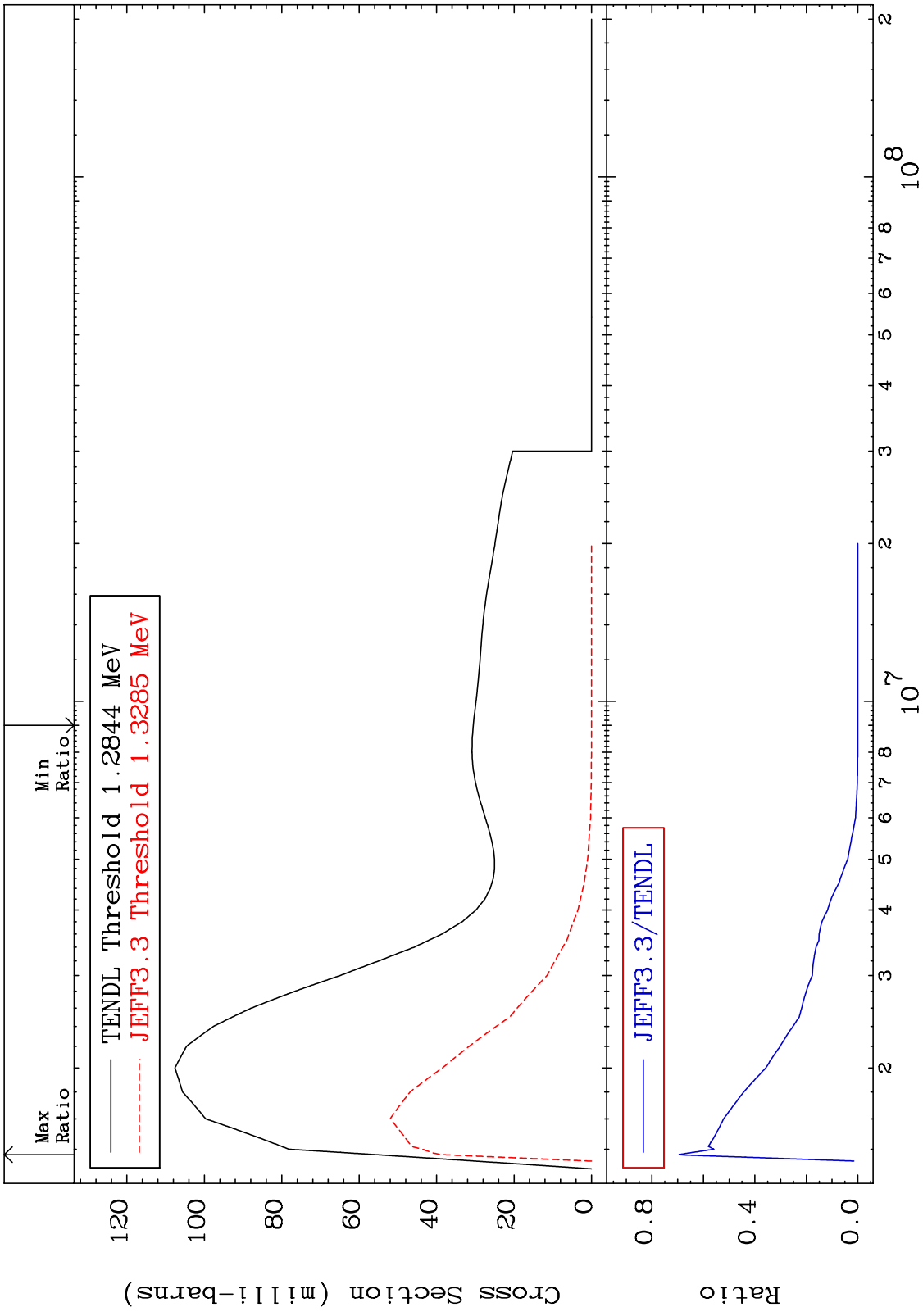
MAT 6437

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

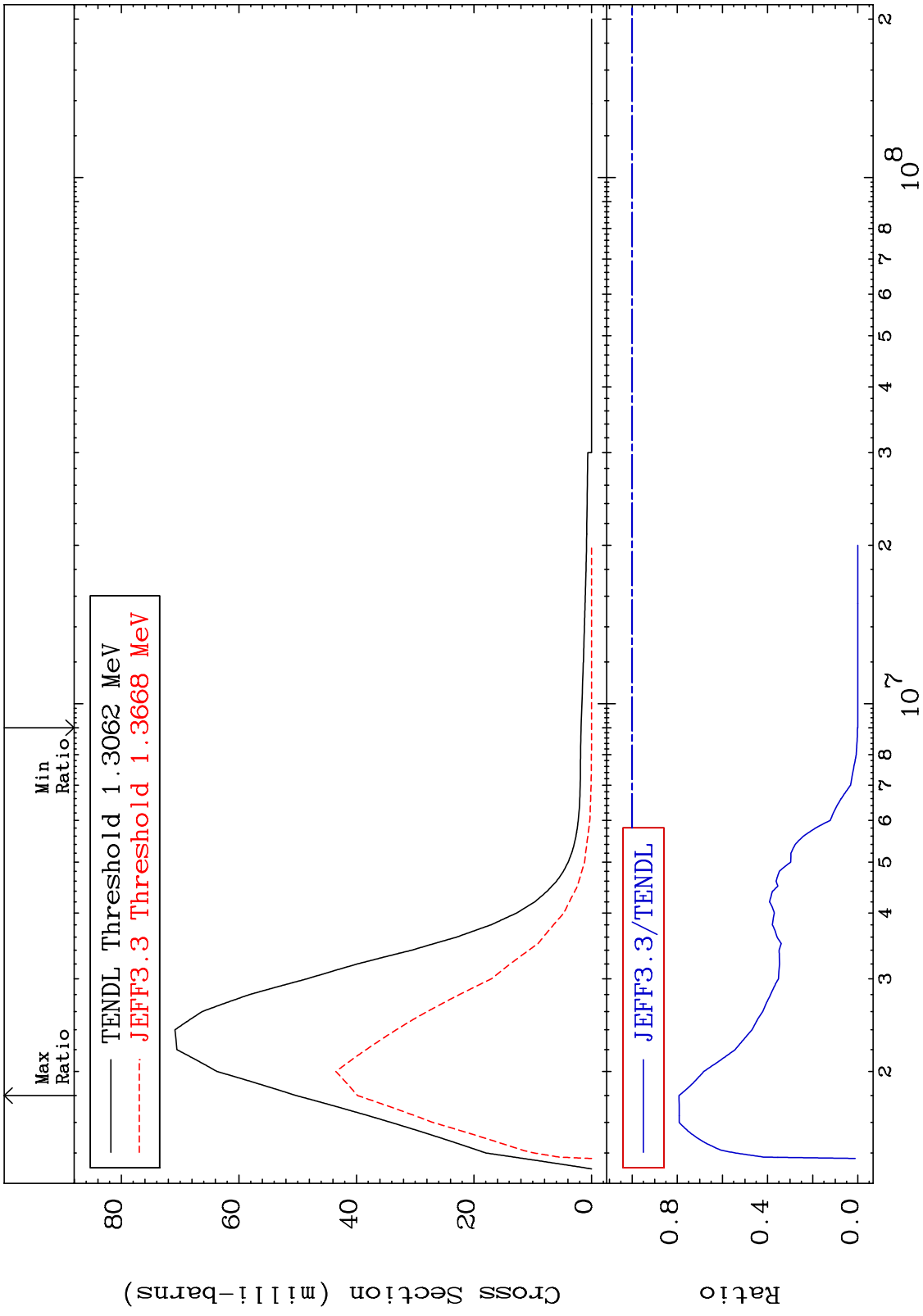
64-Gd-156
-100.0 To 56.87 %



MAT 6437 MT= 62 (n,n') Level Cross Section 64-Gd-156 -100.0 To -30.52%



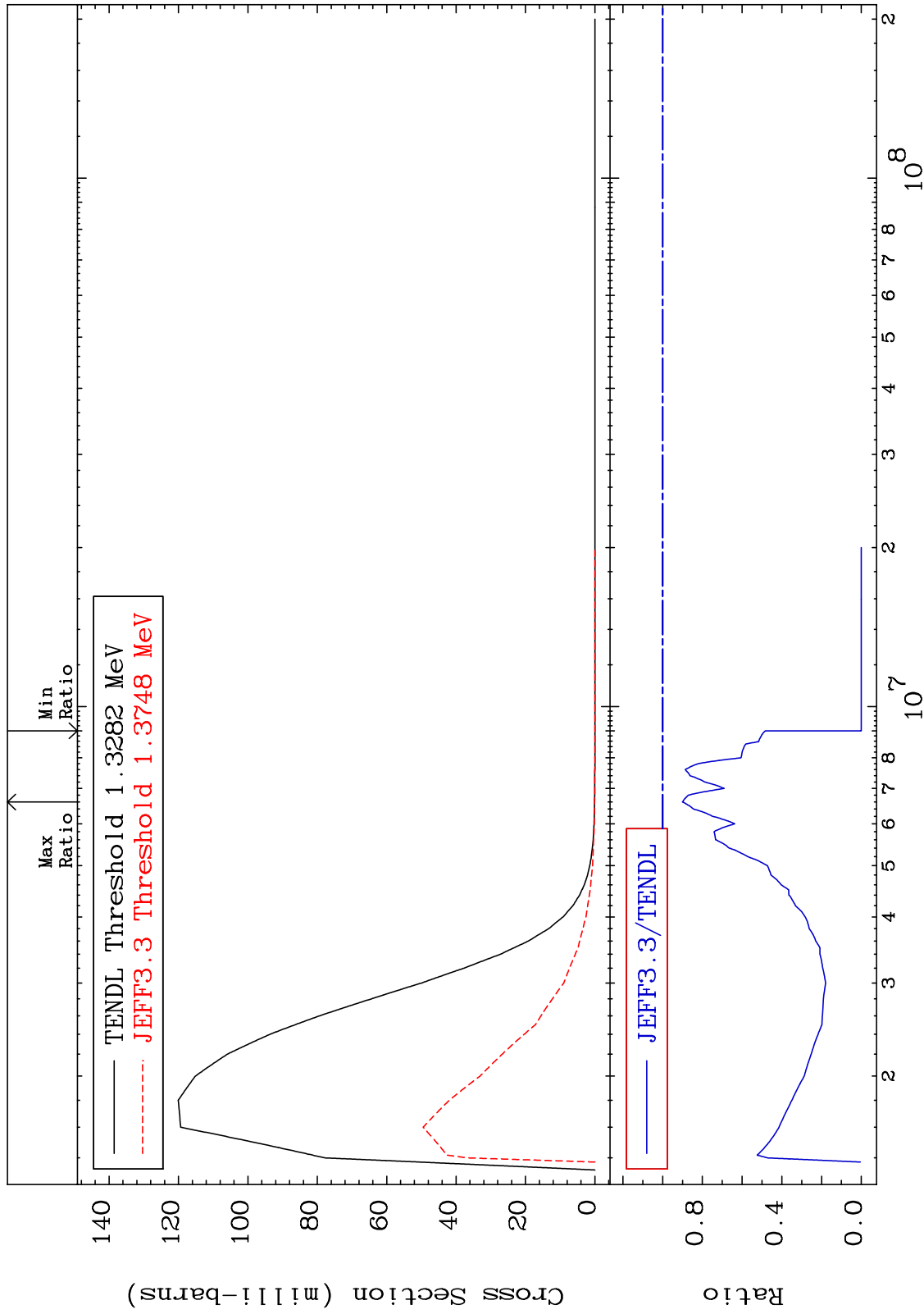
MAT 6437 MT= 63 (n,n') Level Cross Section 64-Gd-156
 -100.0 To -20.80%



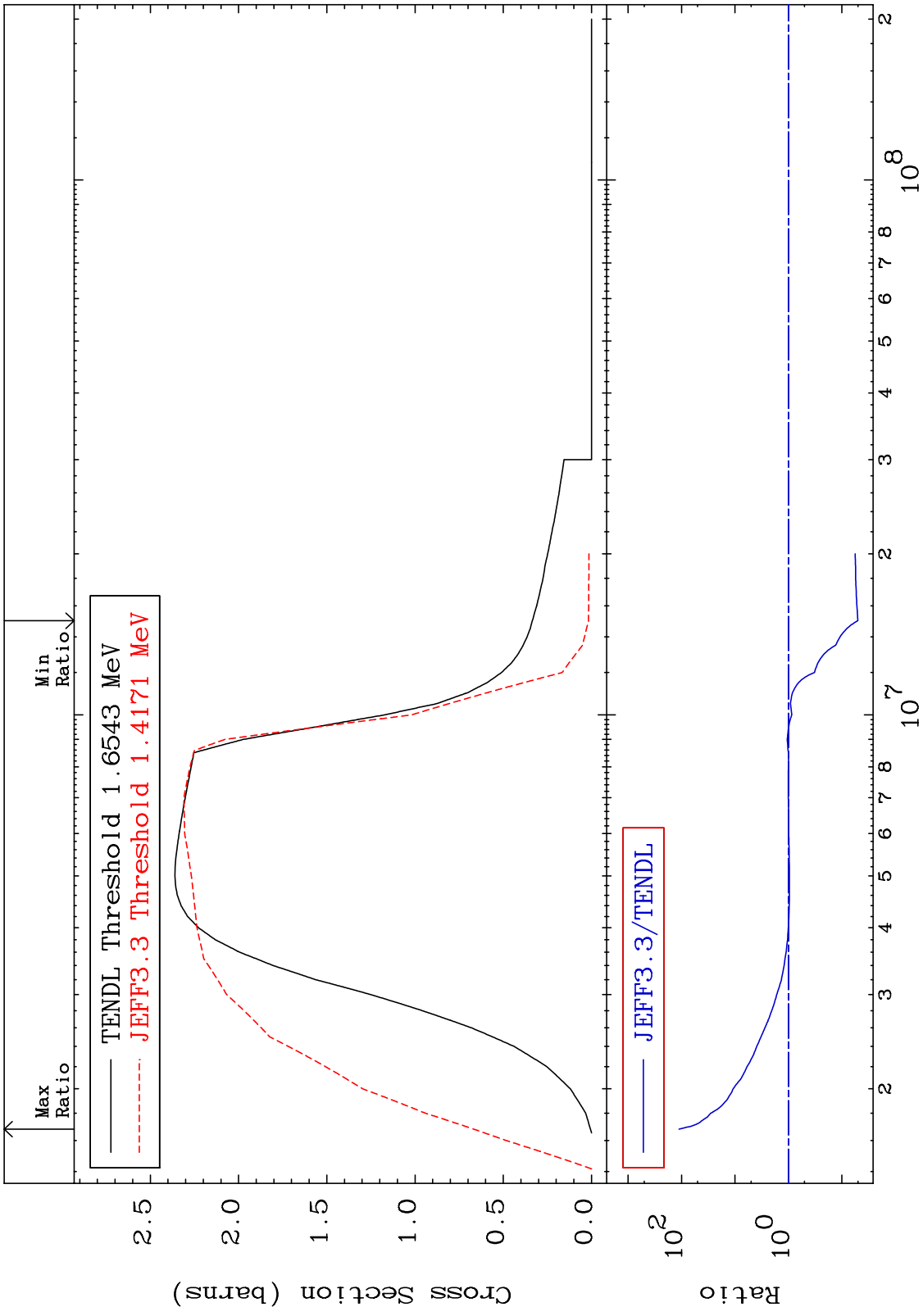
MAT 6437

MT= 64 (n,n') Level
Cross Section

64-Gd-156
-100.0 To -9.978%



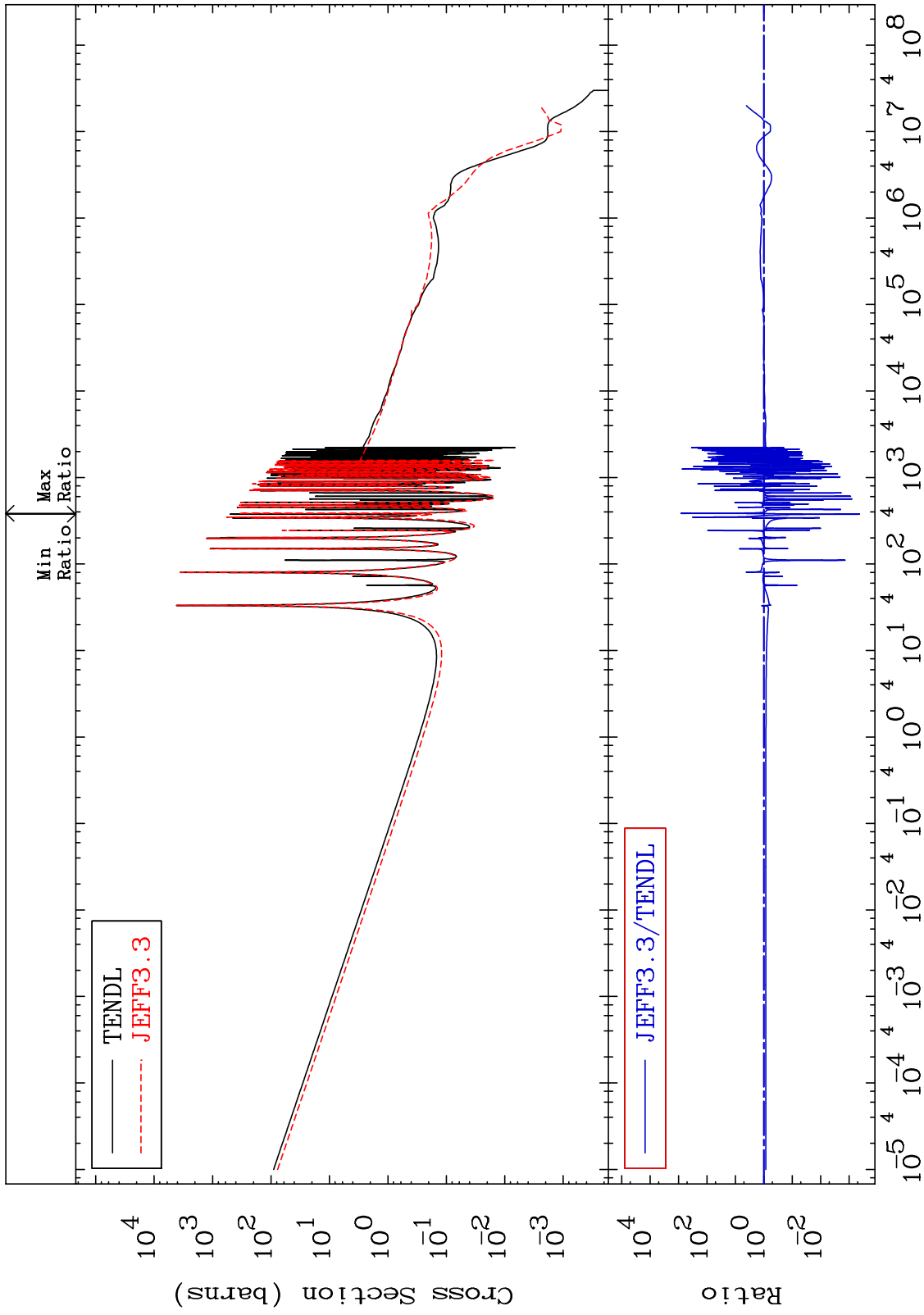
MAT 6437 (n, n') Continuum Cross Section 64-Gd-156 -94.96 To 9999. %



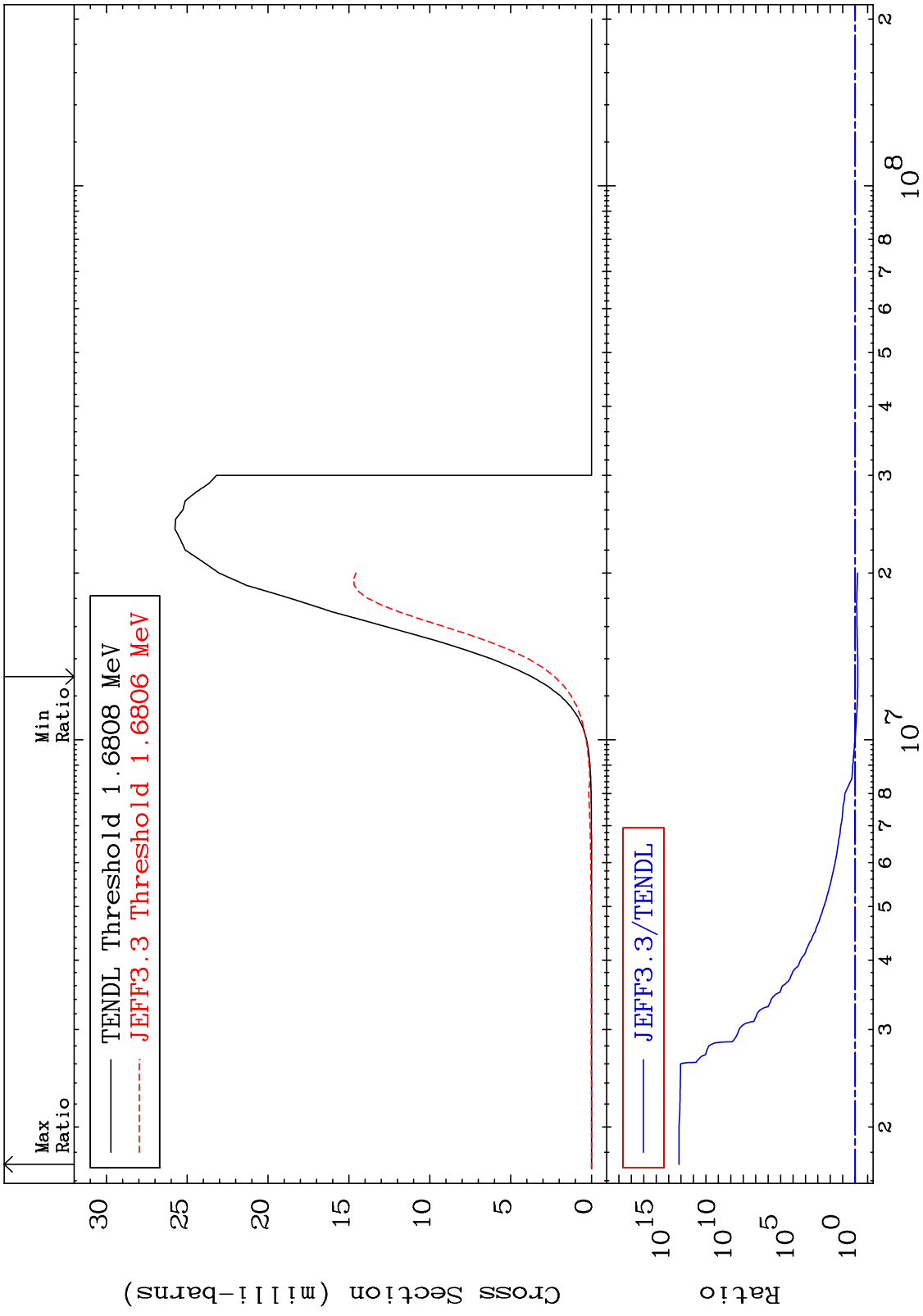
MAT 6437

(n, γ)
Cross Section

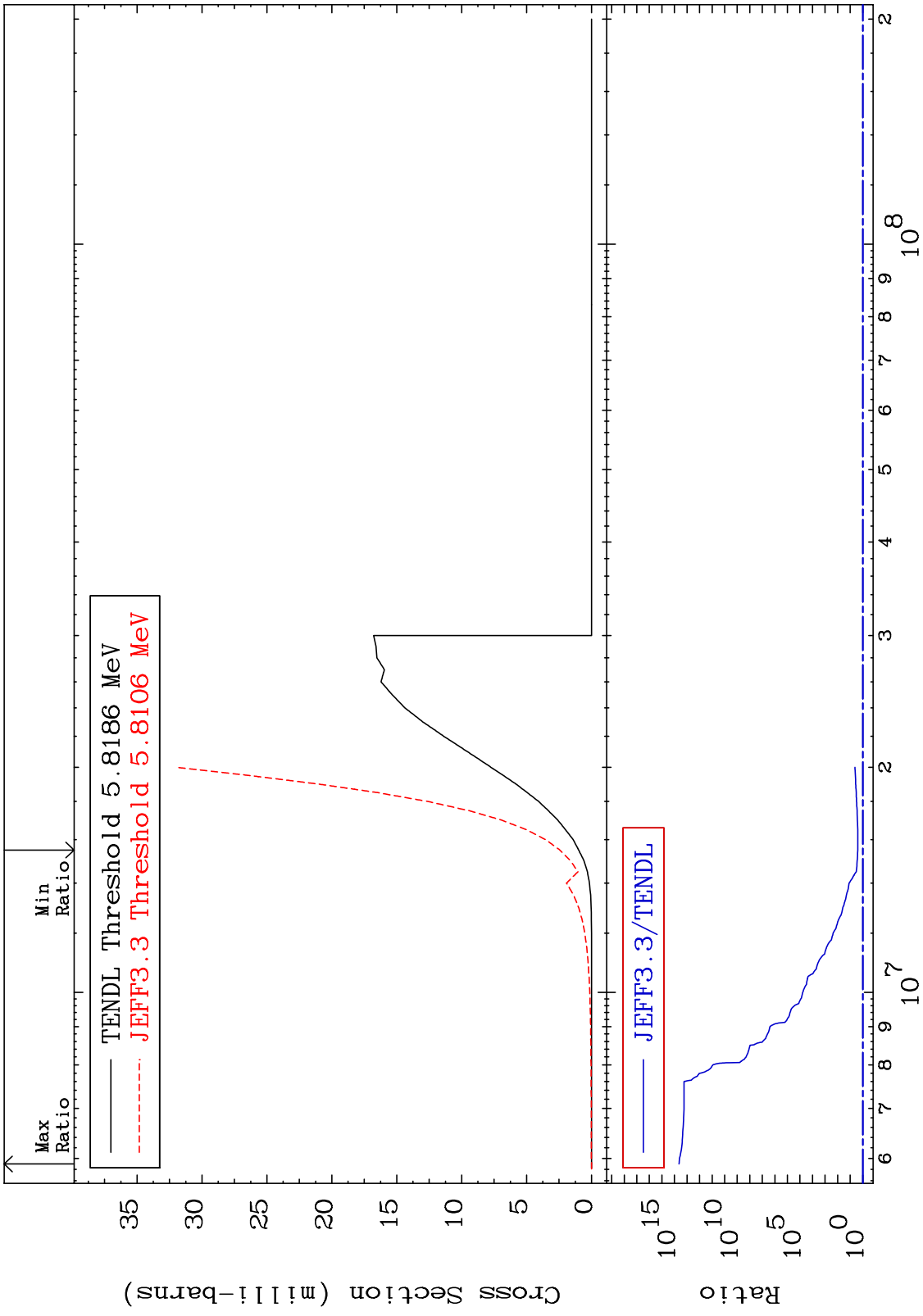
64-Gd-156
-99.96 To 9999. %



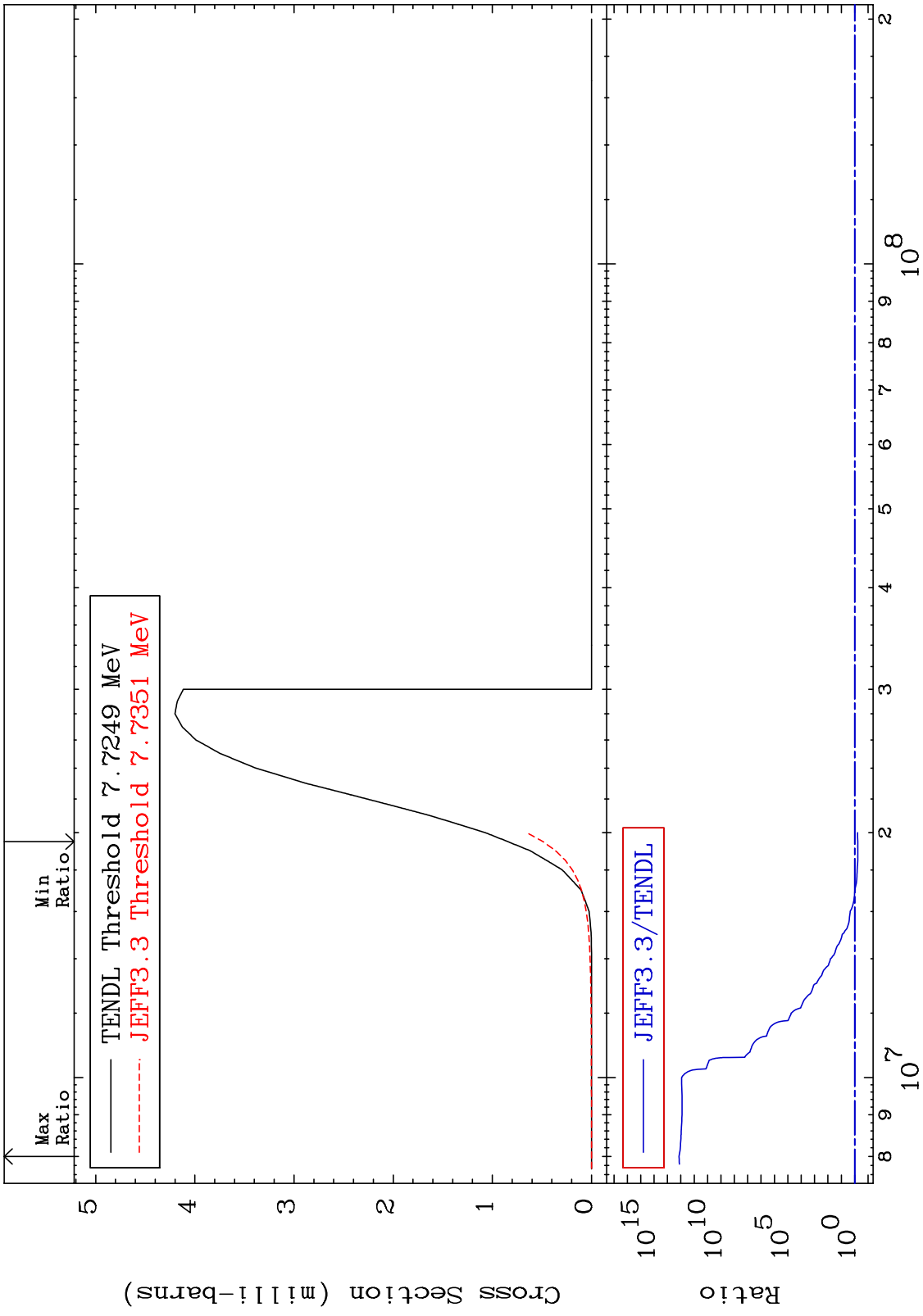
MAT 6437 (n,p) Cross Section 64-Gd-156
 -38.42 To 9999. %



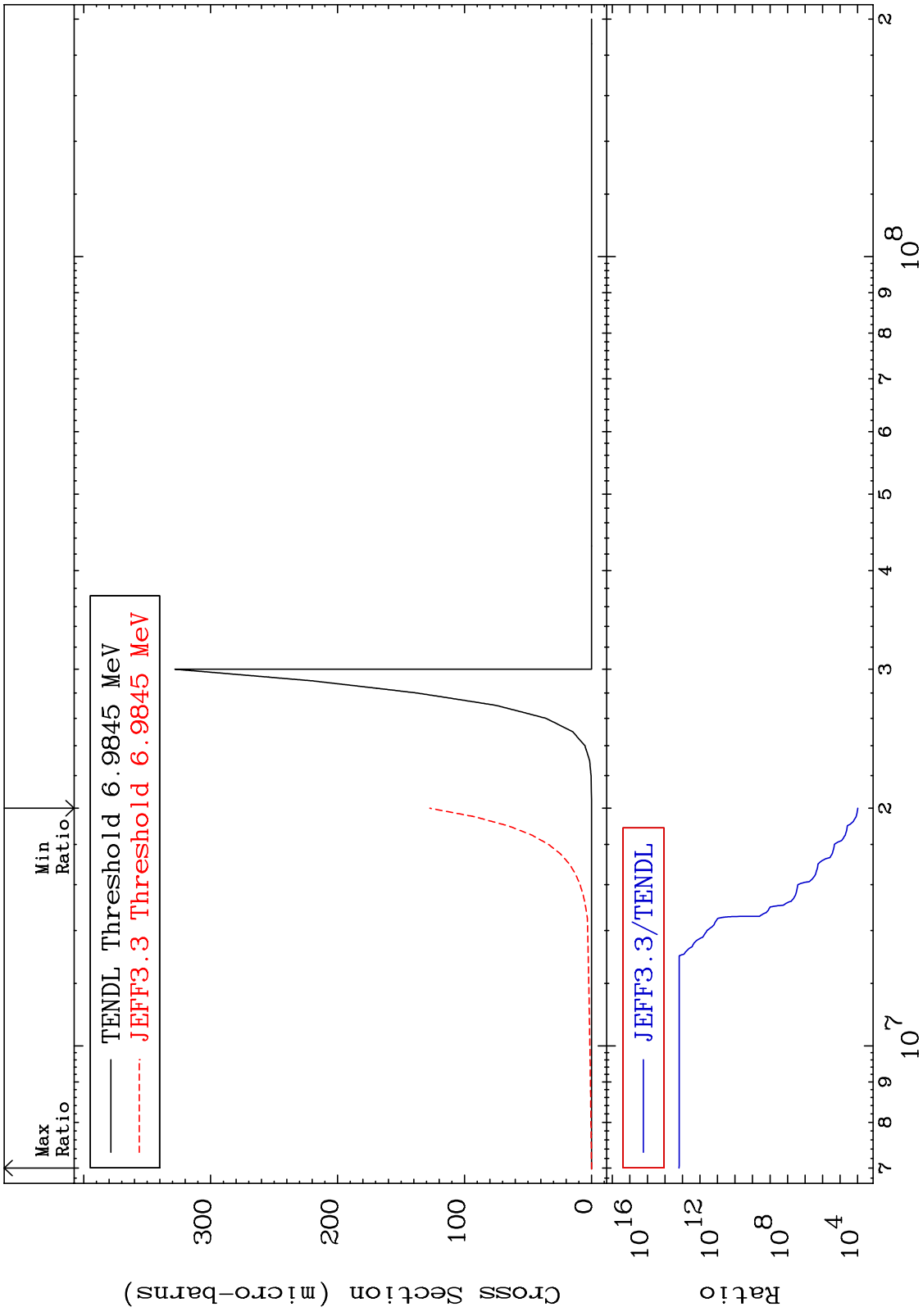
MAT 6437 (n,d) Cross Section 64-Gd-156
 144.9 To 9999. %



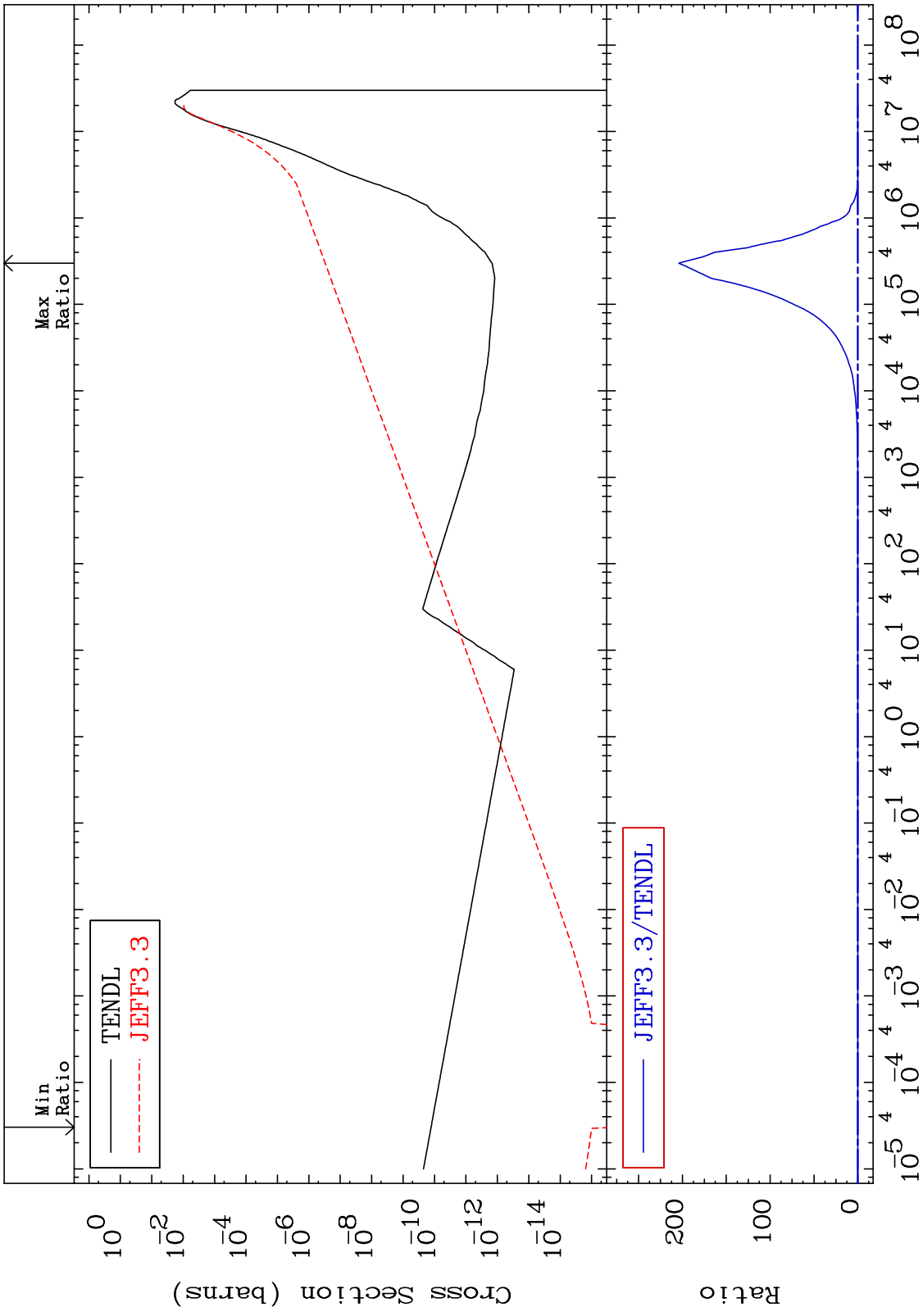
MAT 6437 (n,t) 64-Gd-156
 Cross Section -42.17 To 9999. %

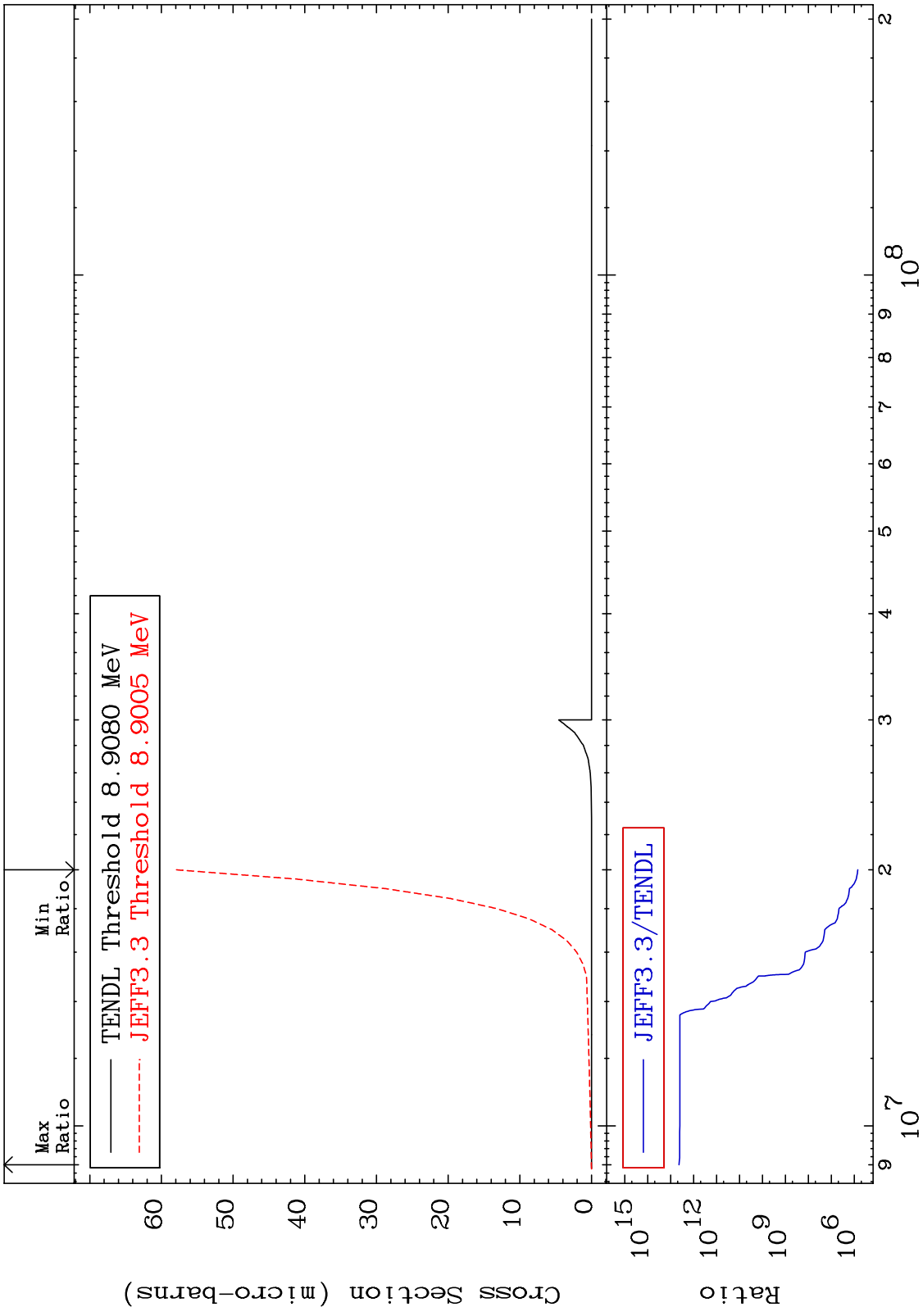


MAT 6437 (n, He-3) Cross Section 64-Gd-156 To 9999. %



MAT 6437 64-Gd-156
 Cross Section -100.0 To 9999. %

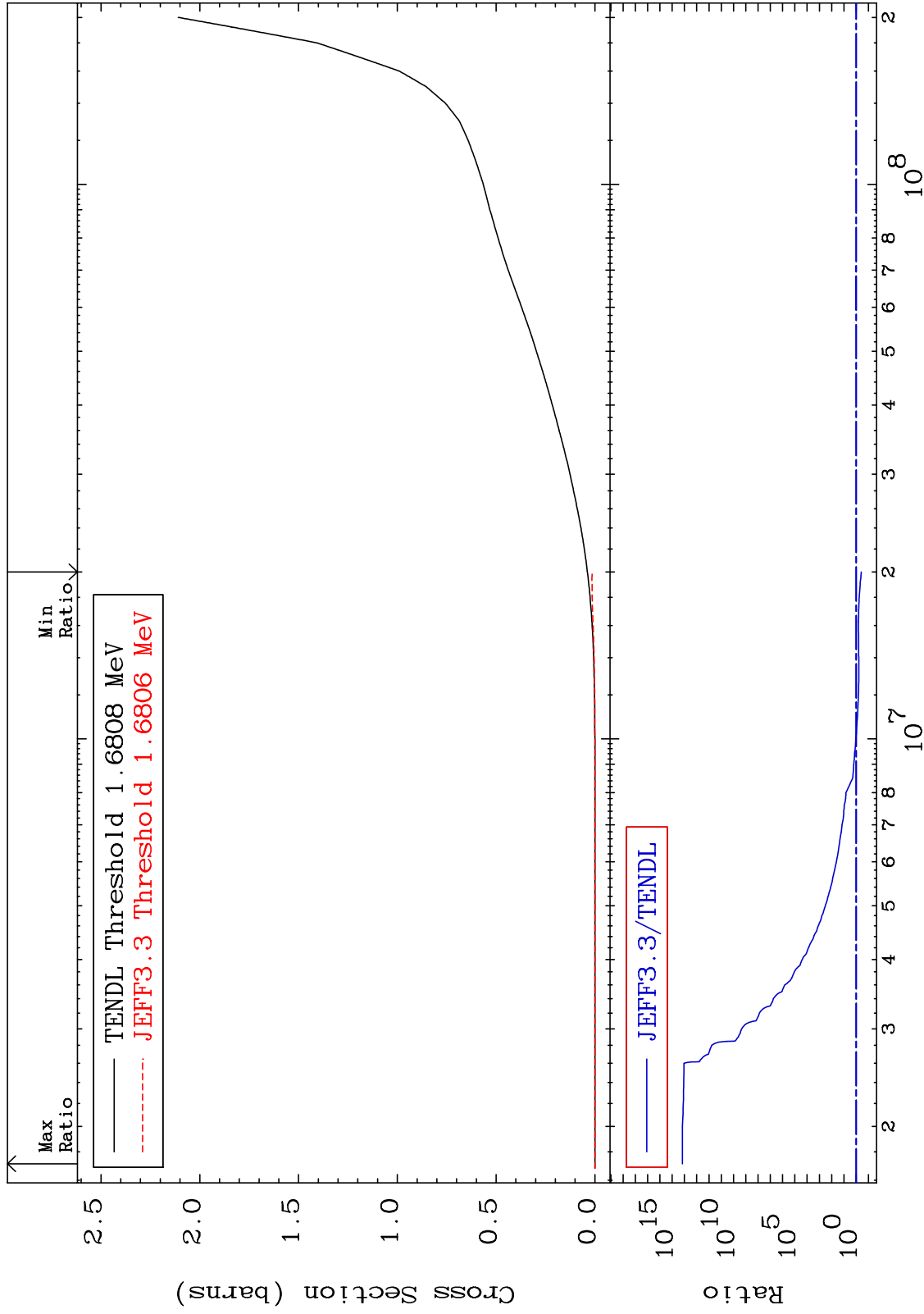




MAT 6437

Hydrogen Production
Cross Section

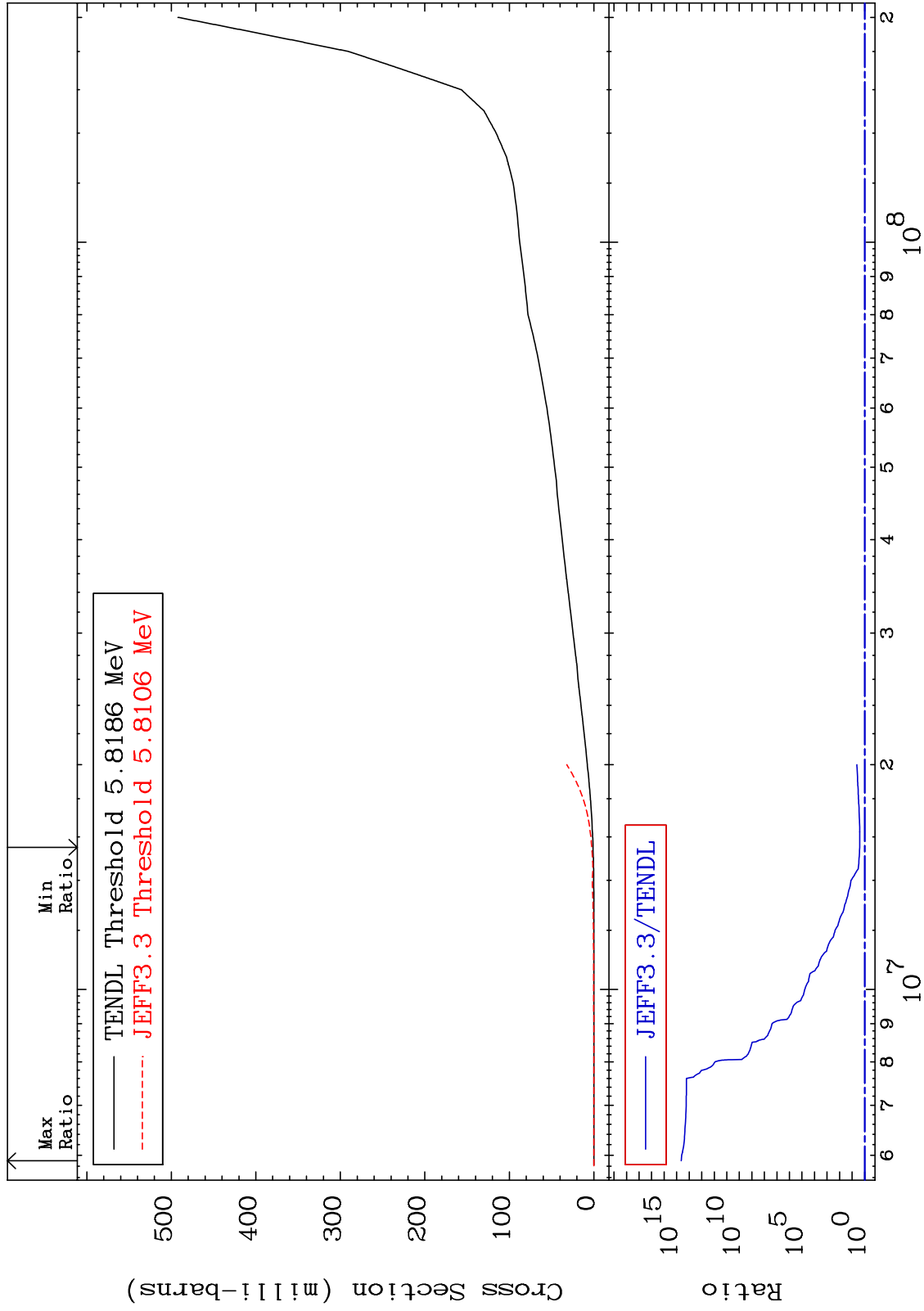
64-Gd-156
-61.61 To 9999. %



MAT 6437

Deuterium Production
Cross Section

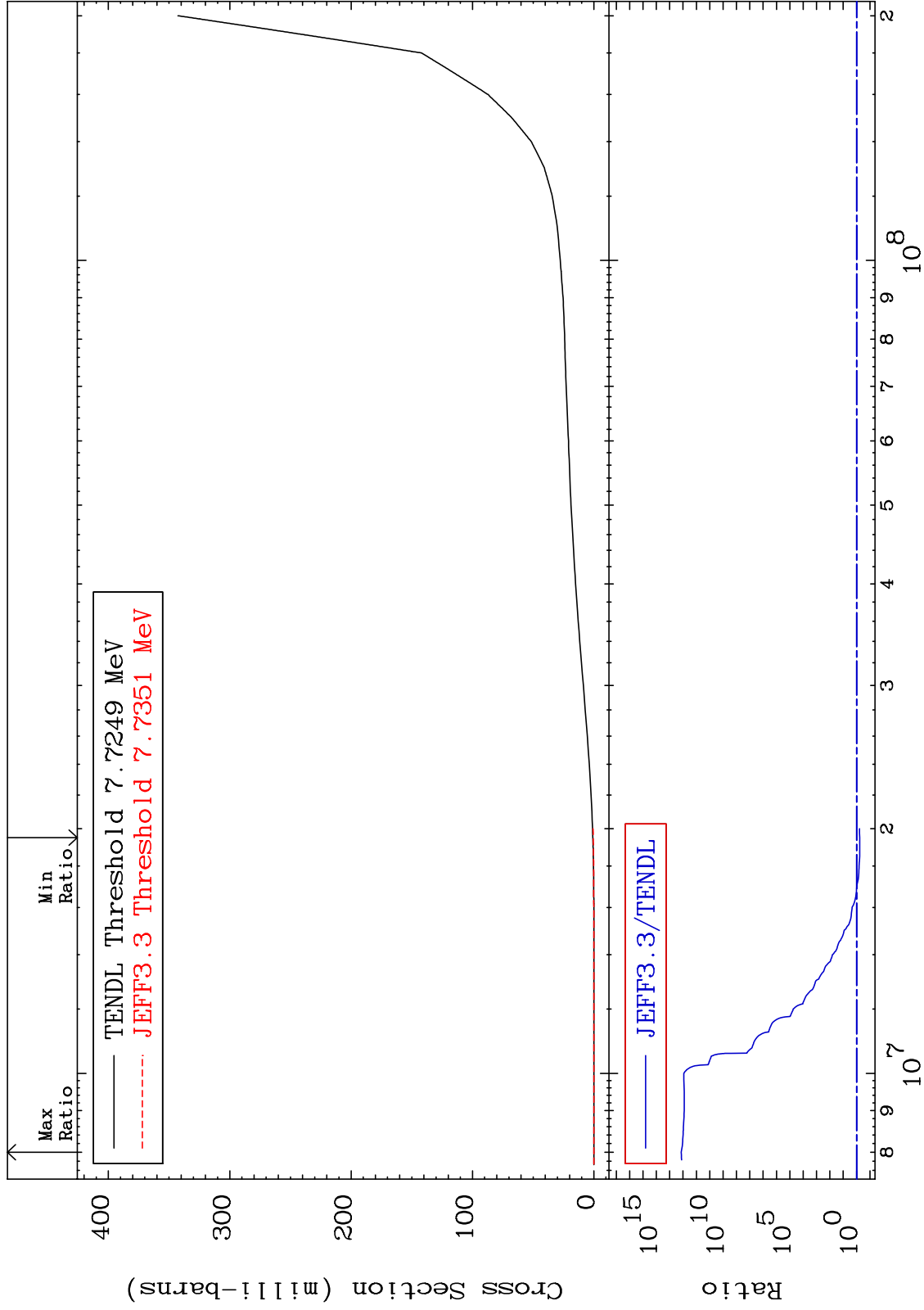
64-Gd-156
144.9 To 9999. %



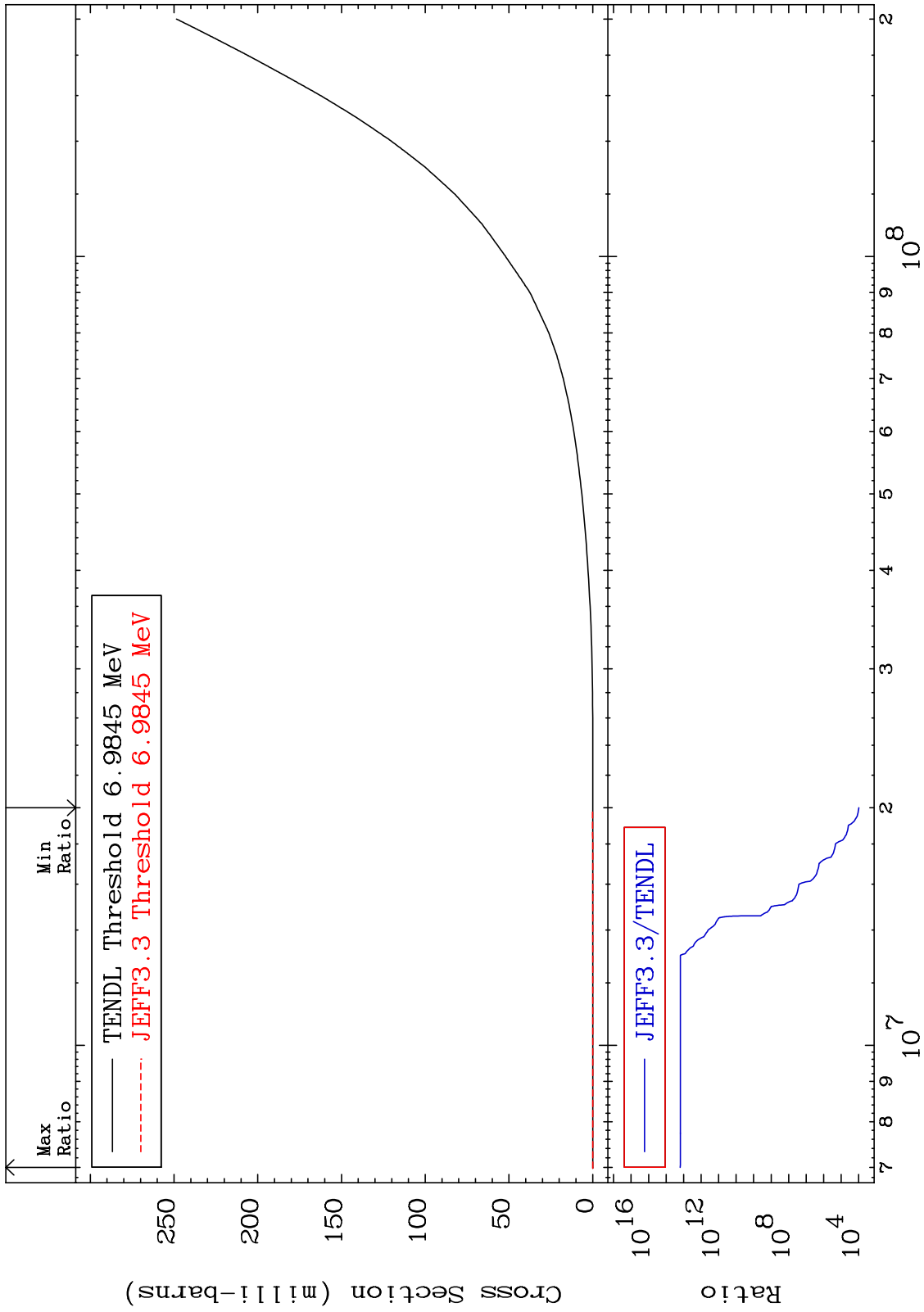
MAT 6437

Tritium Production
Cross Section

64-Gd-156
-42.18 To 9999. %

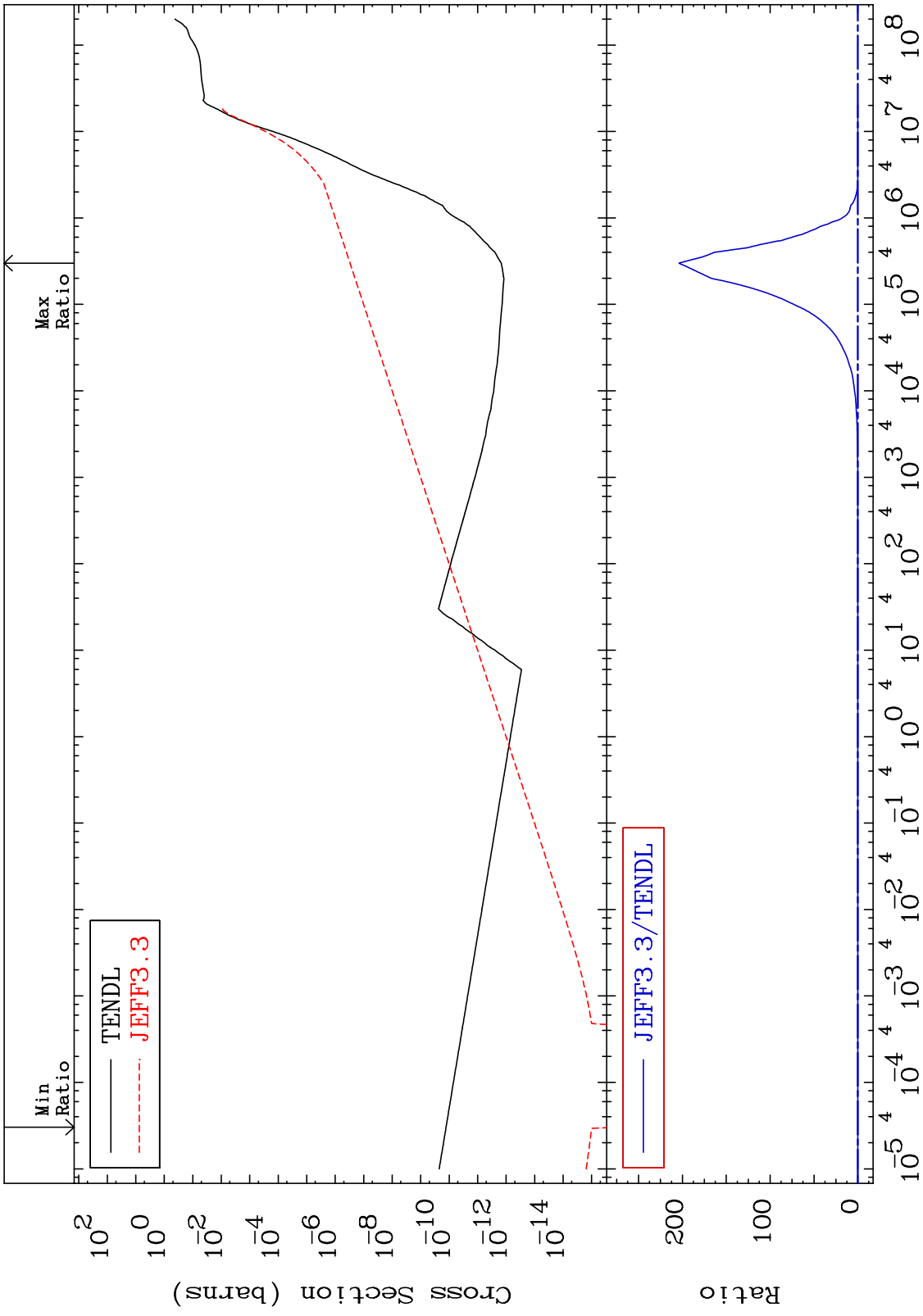


MAT 6437 He-3 Production Cross Section 64-Gd-156 To 9999. %



64-Gd-156 To 9999. % Incident Energy (eV) 30

MAT 6437 He-4 Production Cross Section 64-Gd-156
 -100.0 To 9999. %

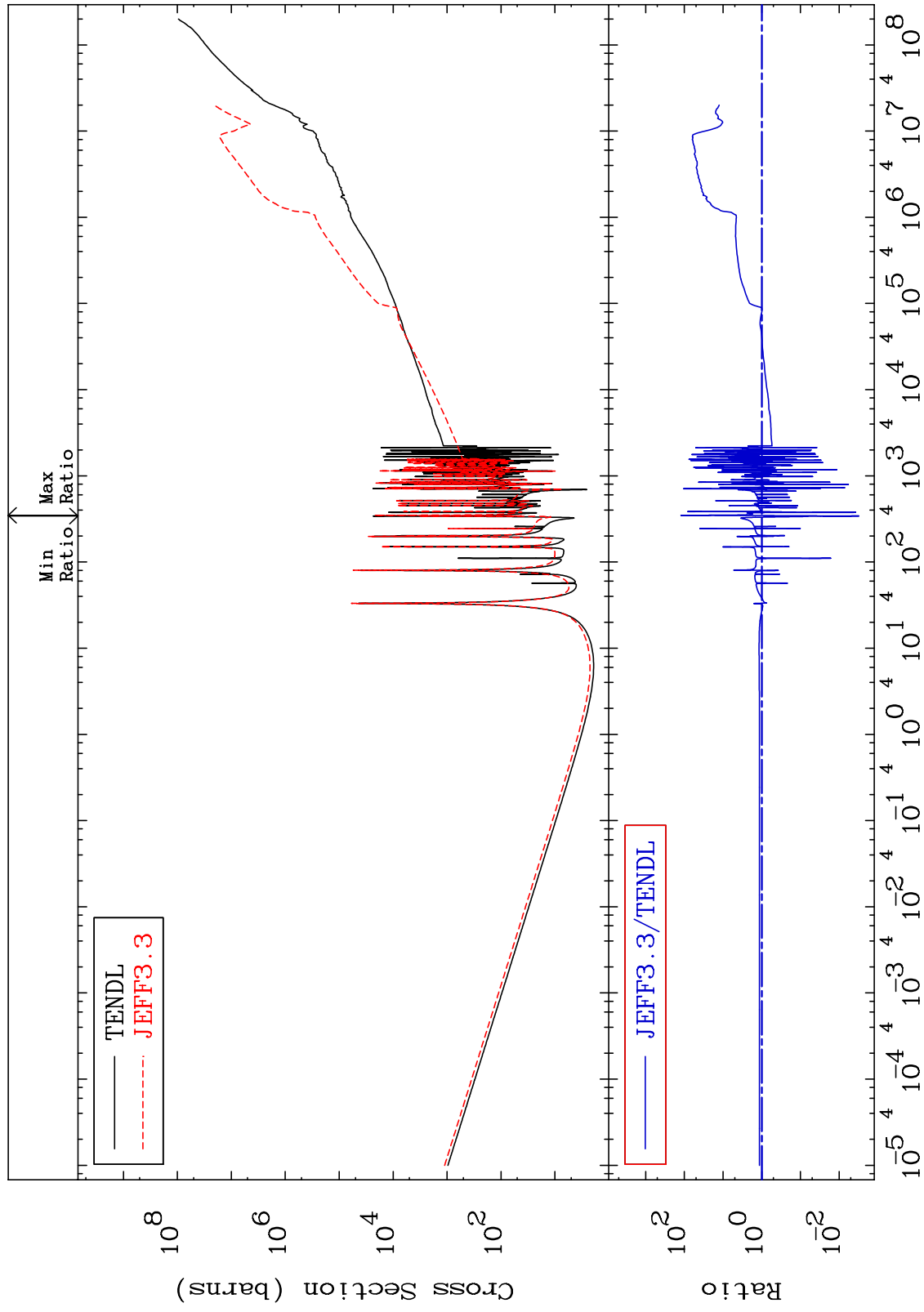


31 Incident Energy (eV) 64-Gd-156

MAT 6437

Kerma total (eV-barns)
Cross Section

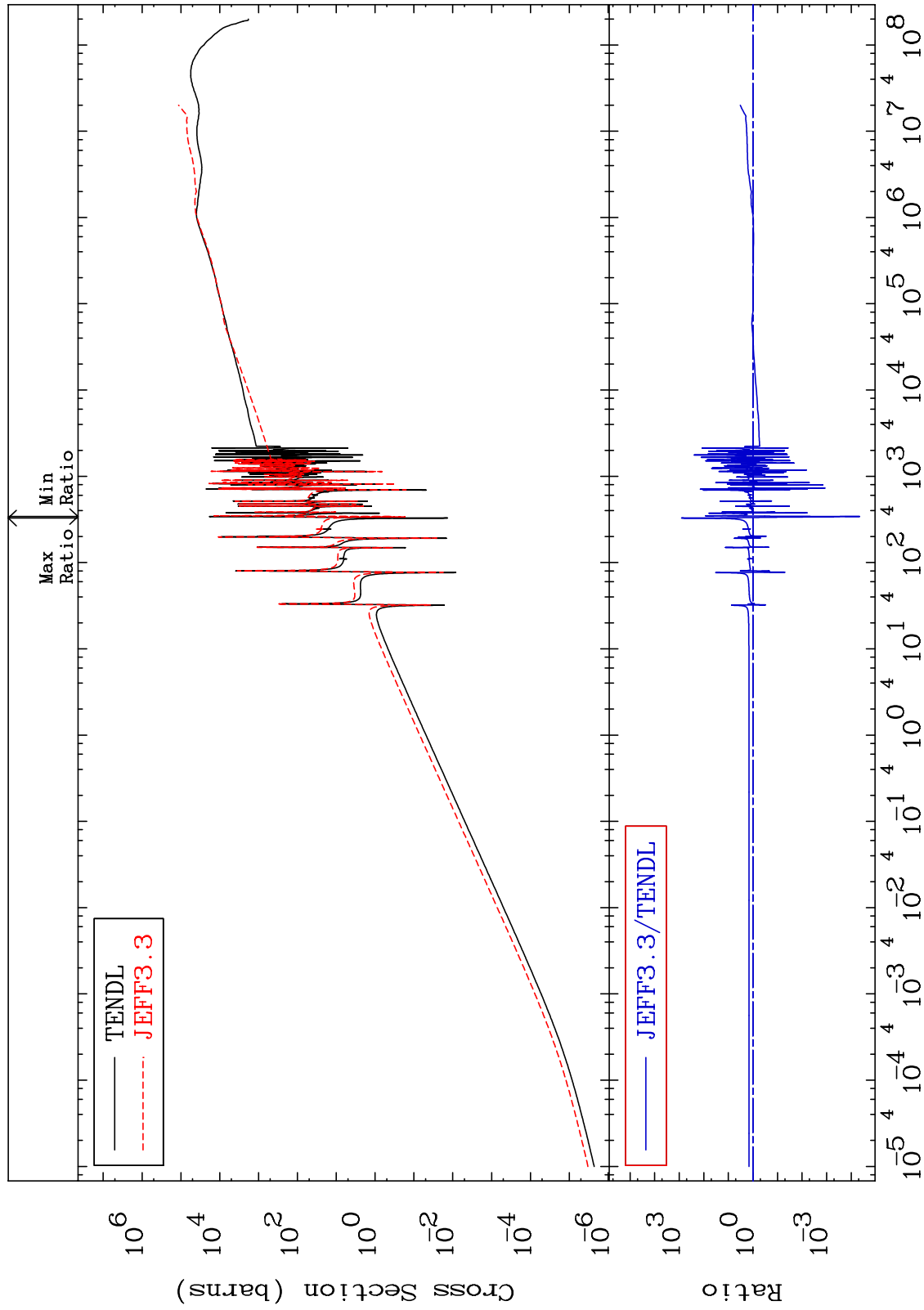
64-Gd-156
-99.69 To 9999. %



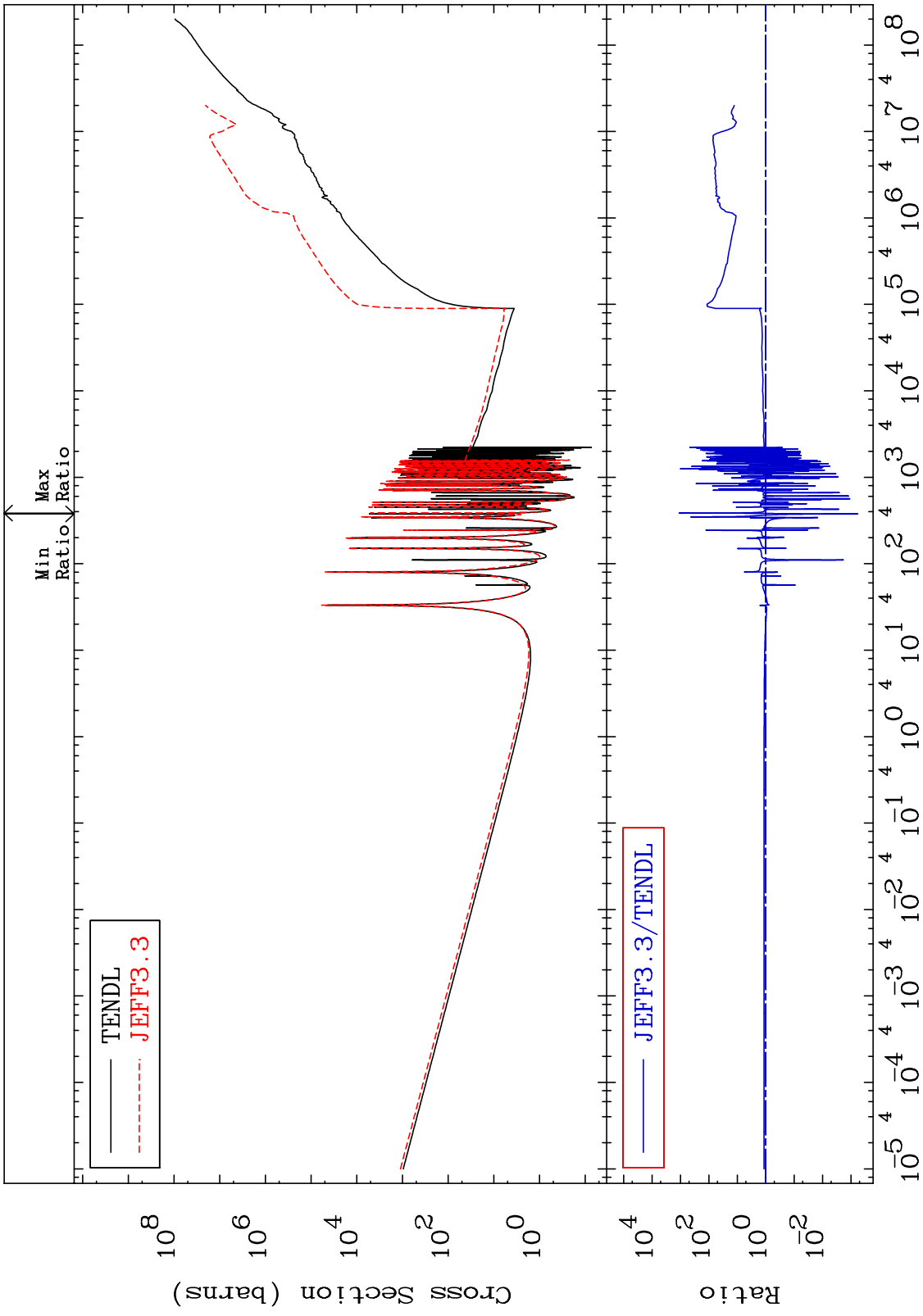
MAT 6437

Kerma elastic
Cross Section

64-Gd-156
-100.0 To 9999. %

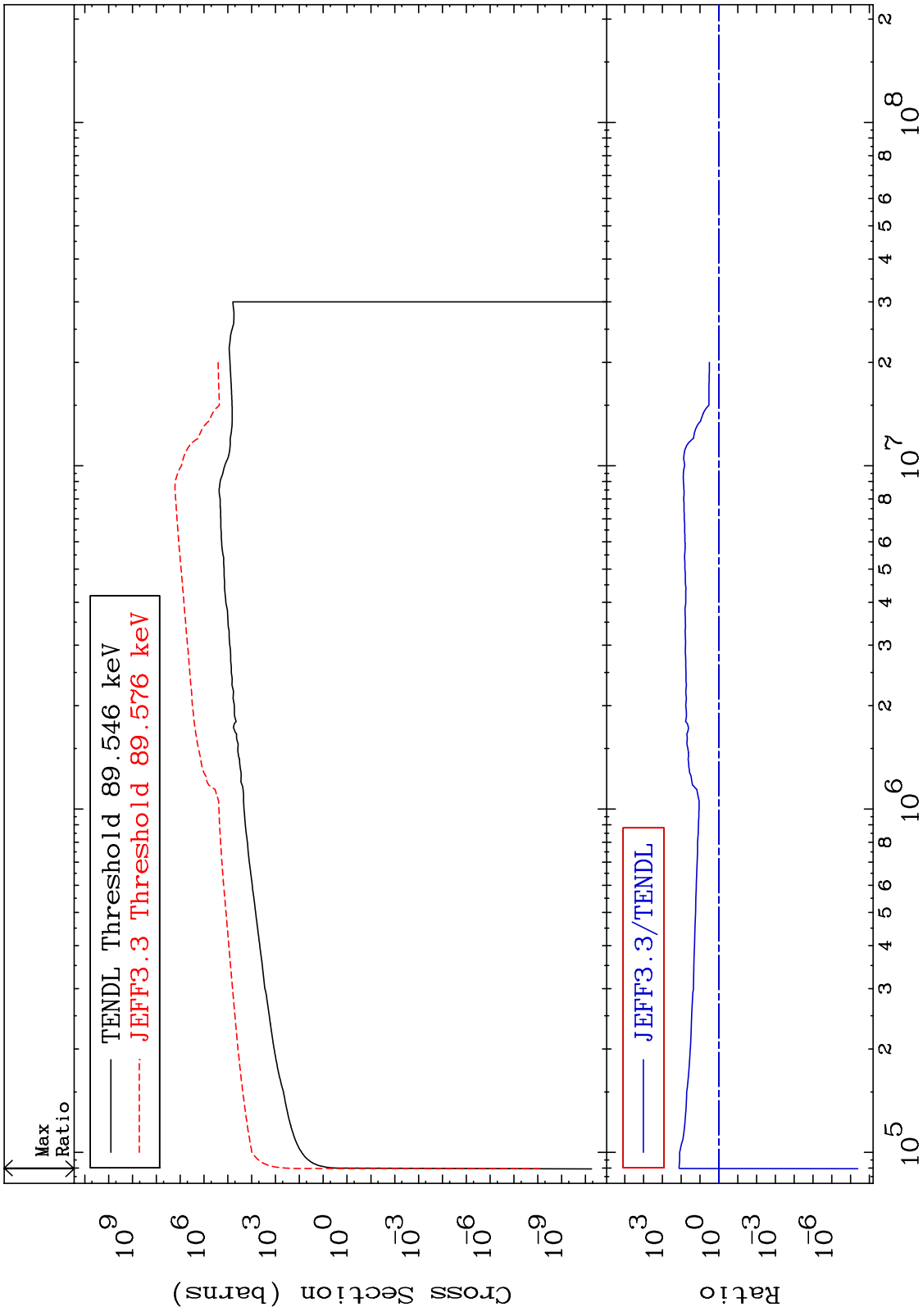


MAT 6437 Kerma non-elastic (all but mt2) 64-Gd-156
 -99.94 To 9999. %
 Cross Section



Incident Energy (eV) 64-Gd-156

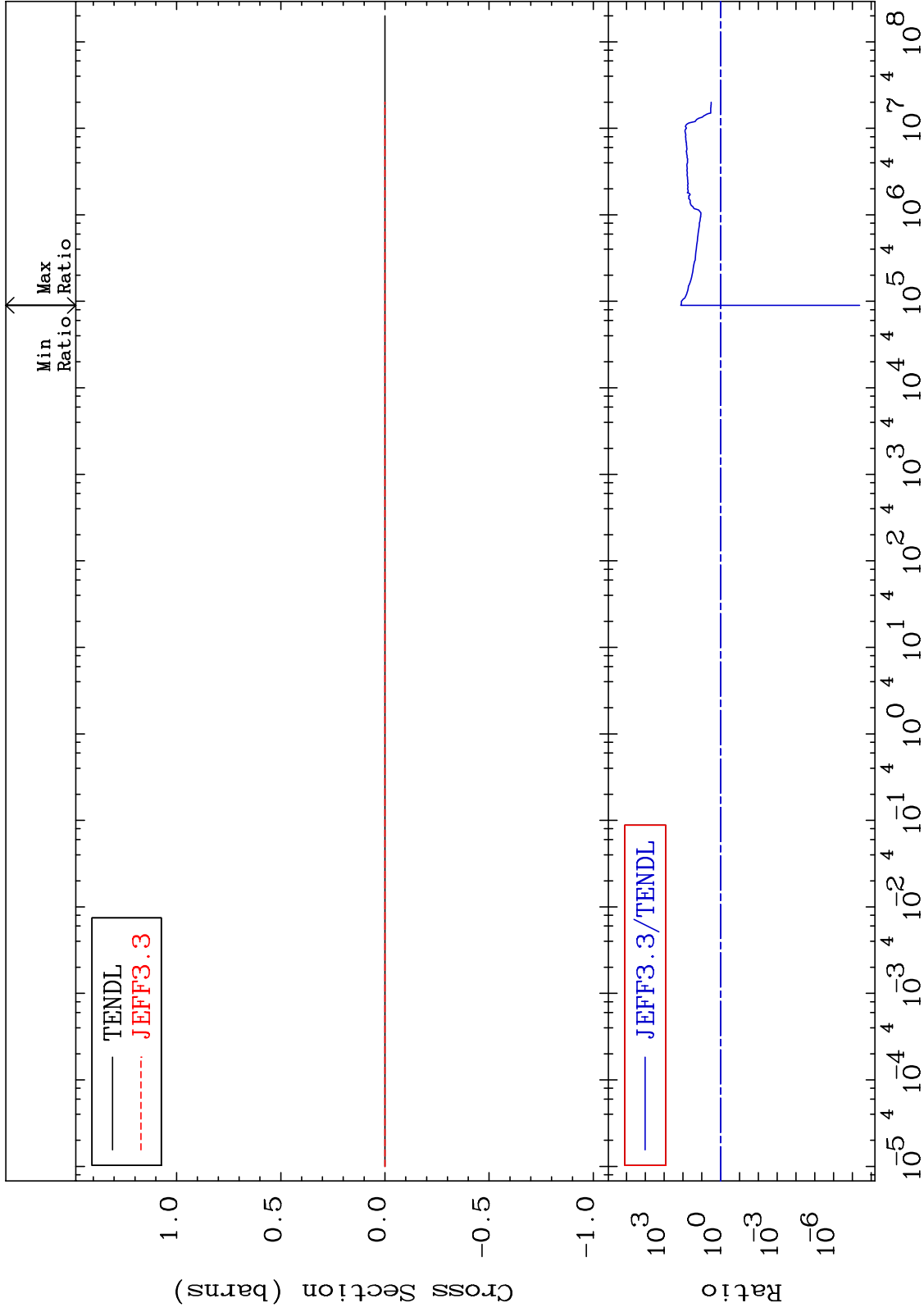
MAT 6437 Kerma inelastic (mt51-91) 64-Gd-156
 -100.0 To 9999. % Cross Section



MAT 6437

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

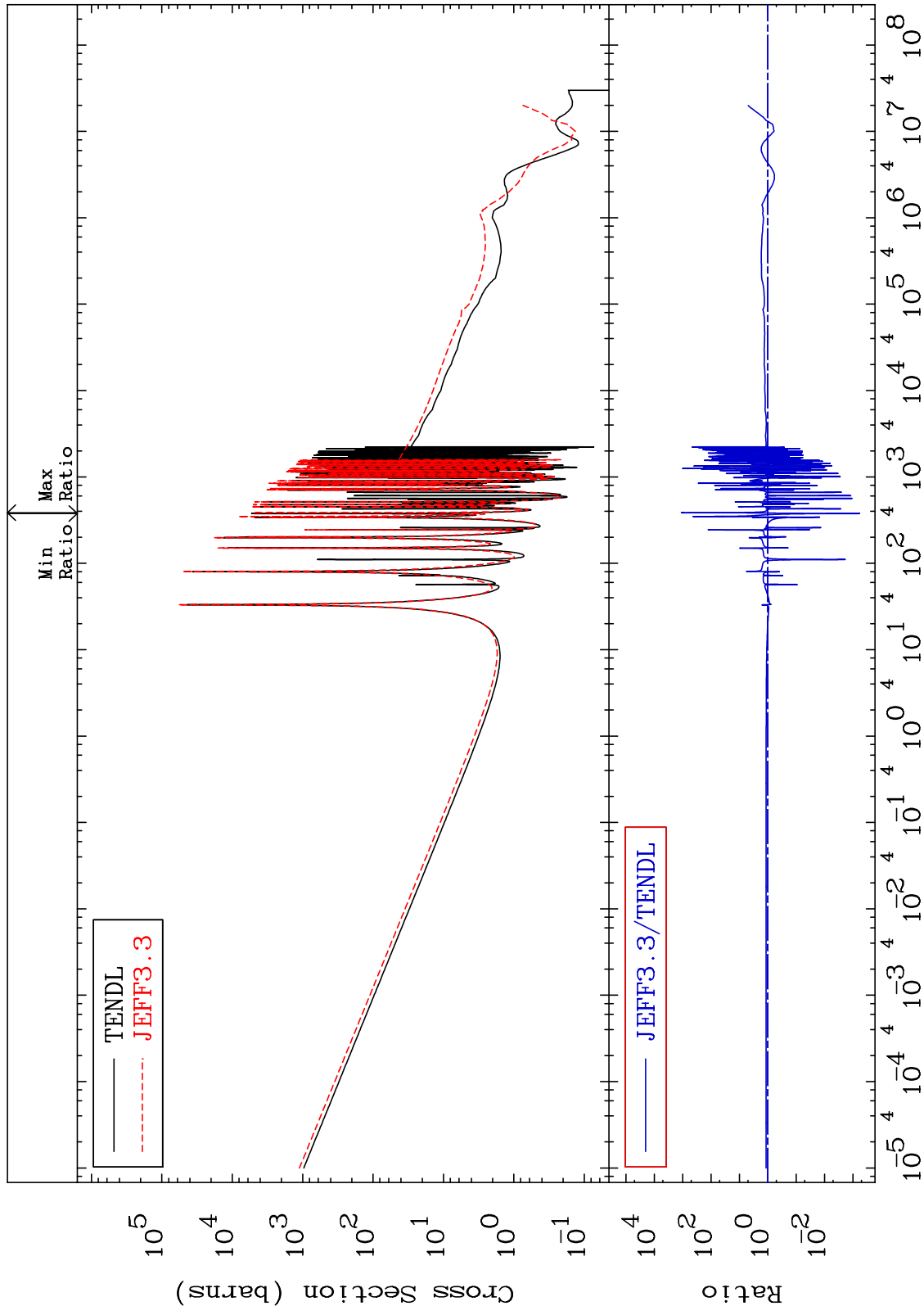
64-Gd-156
-100.0 To 9999. %



MAT 6437

Kerma capture (mt102)
Cross Section

64-Gd-156
-99.94 To 9999. %



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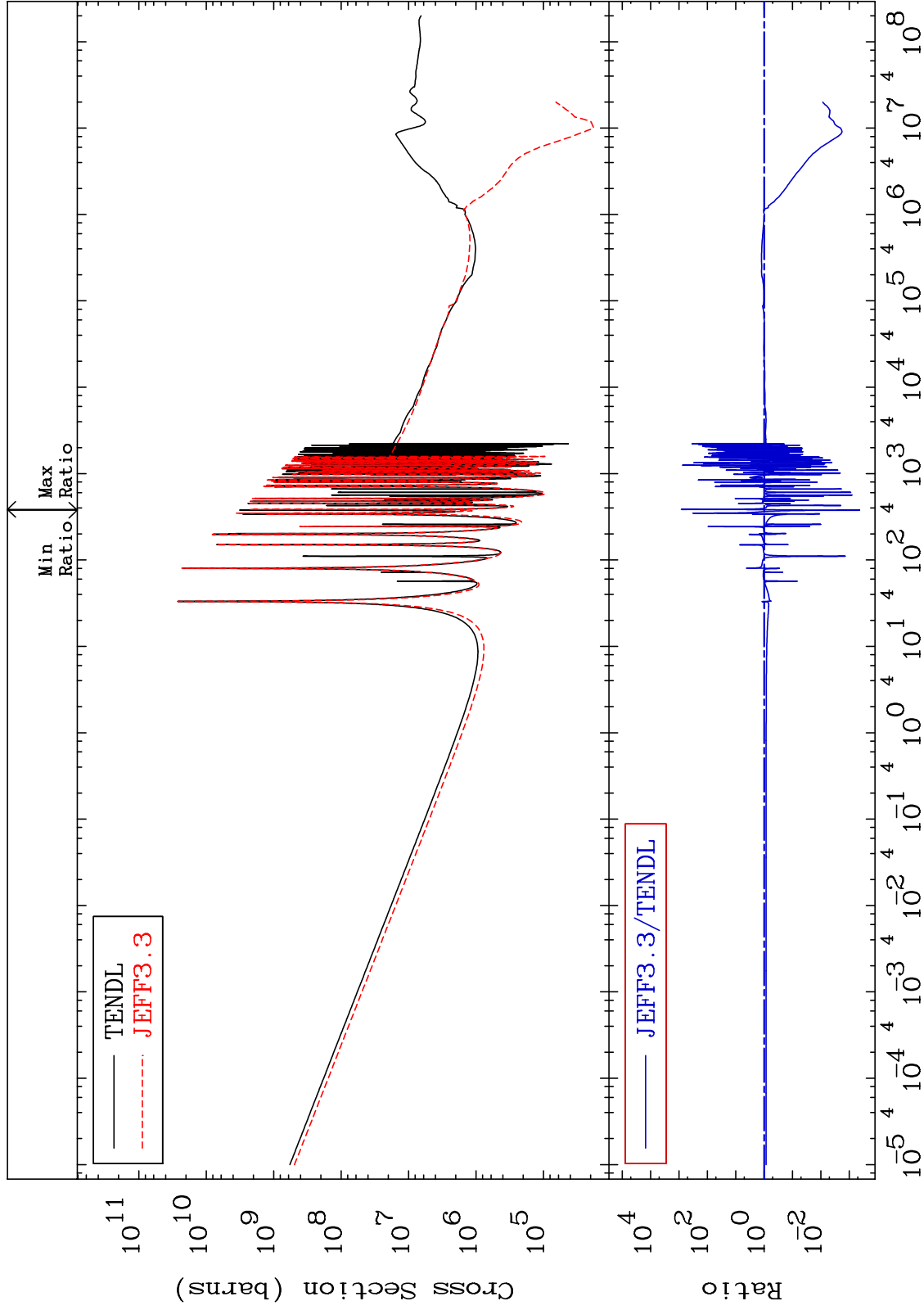
Incident Energy (eV)

64-Gd-156

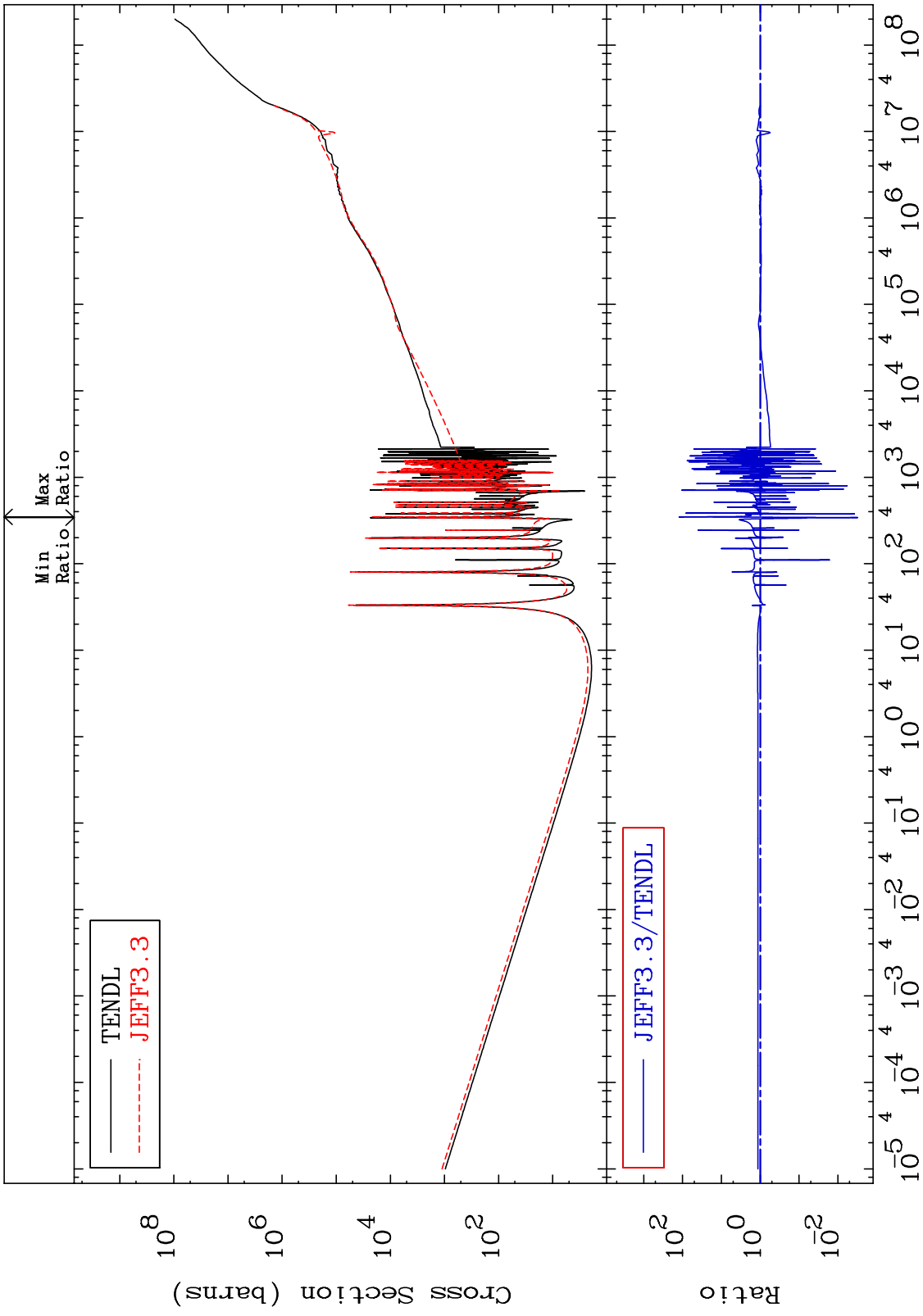
MAT 6437

Total photon (eV-barns)
Cross Section

64-Gd-156
-99.96 To 9999. %

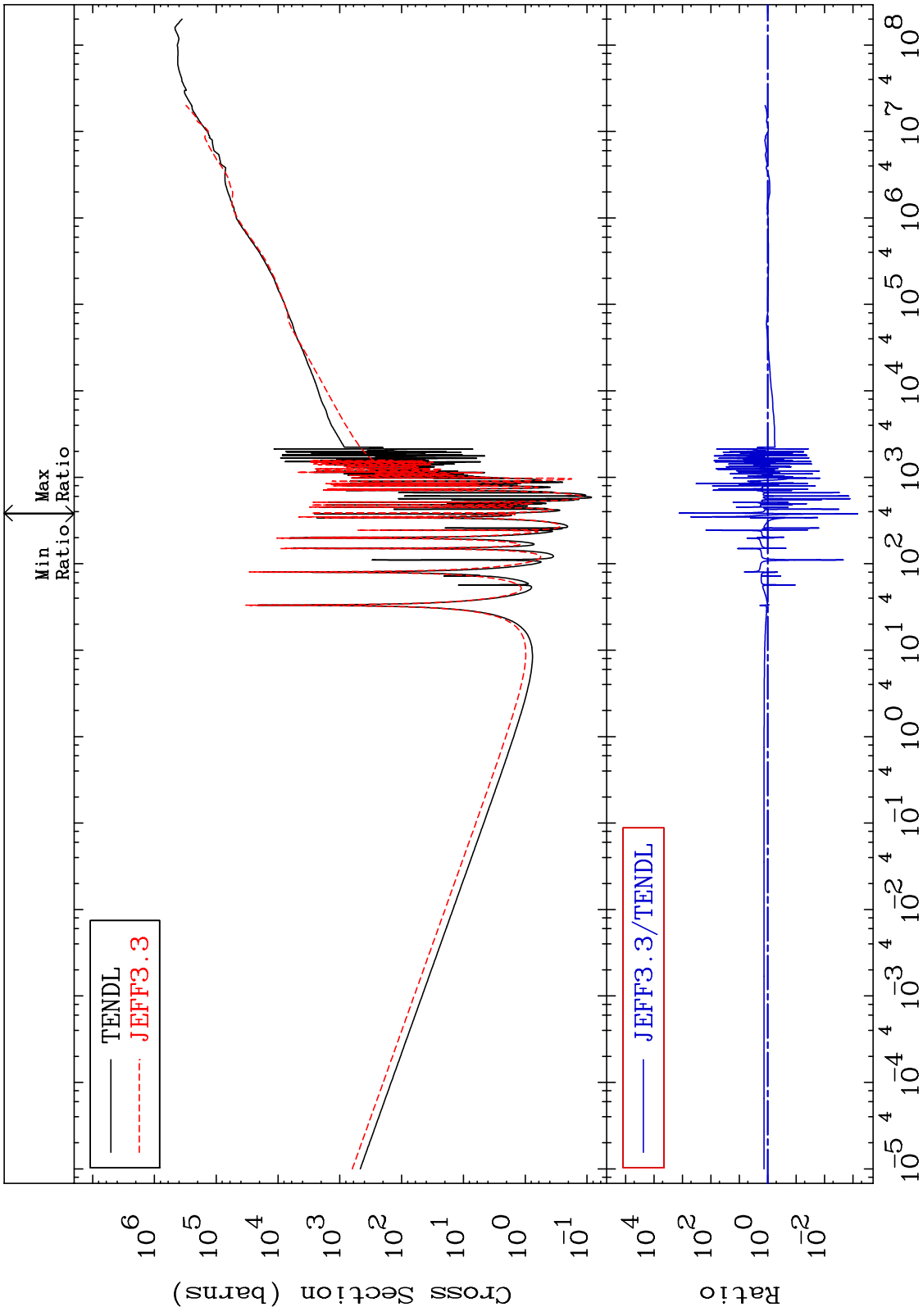


MAT 6437 Total kinematic kerma (high limit) 64-Gd-156
 Cross Section -99.69 To 9999. %



Incident Energy (eV) 64-Gd-156

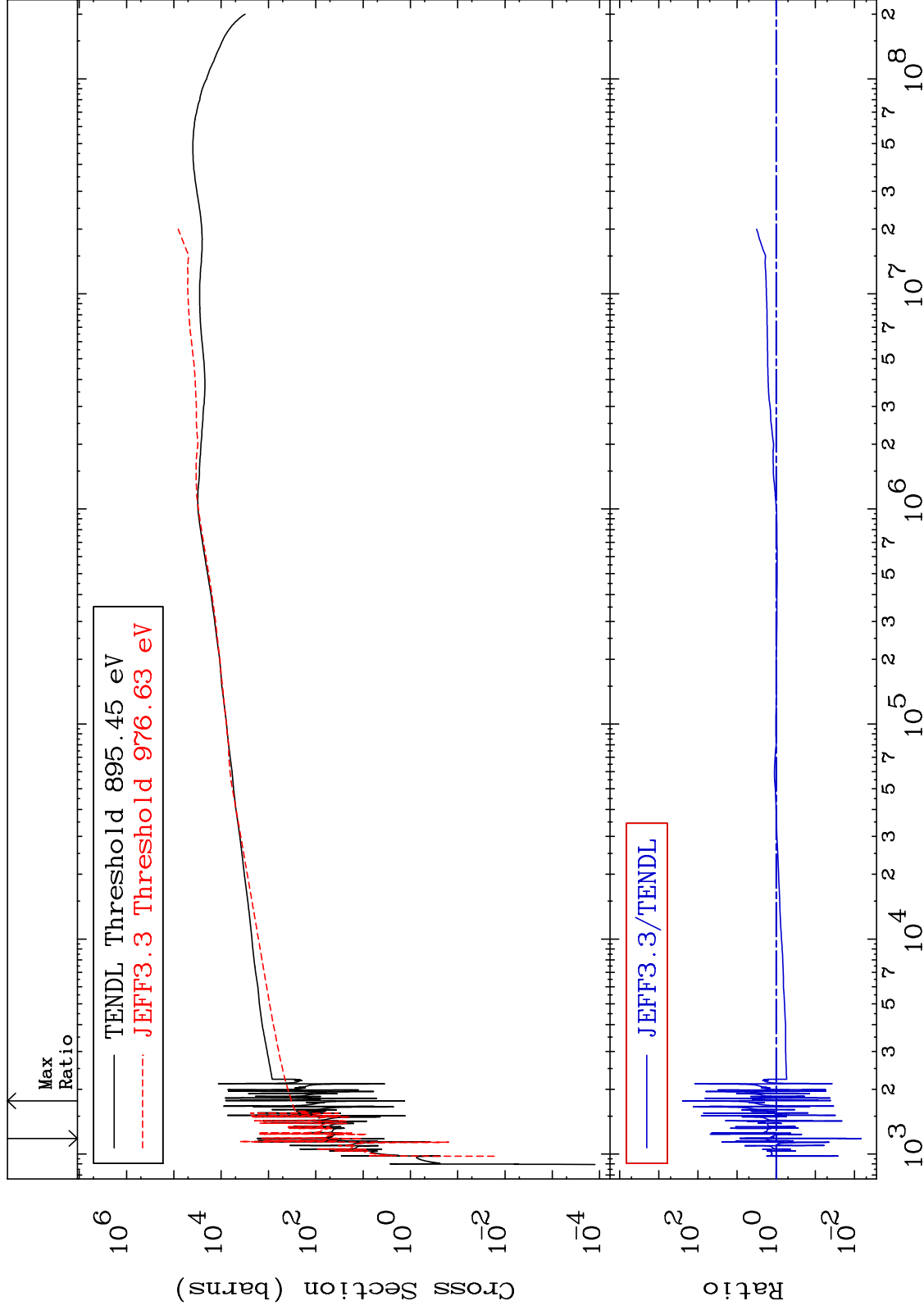
MAT 6437 Dpa total (eV-barns) 64-Gd-156
 Cross Section -99.93 To 9999. %



MAT 6437

Dpa elastic (mt2)
Cross Section

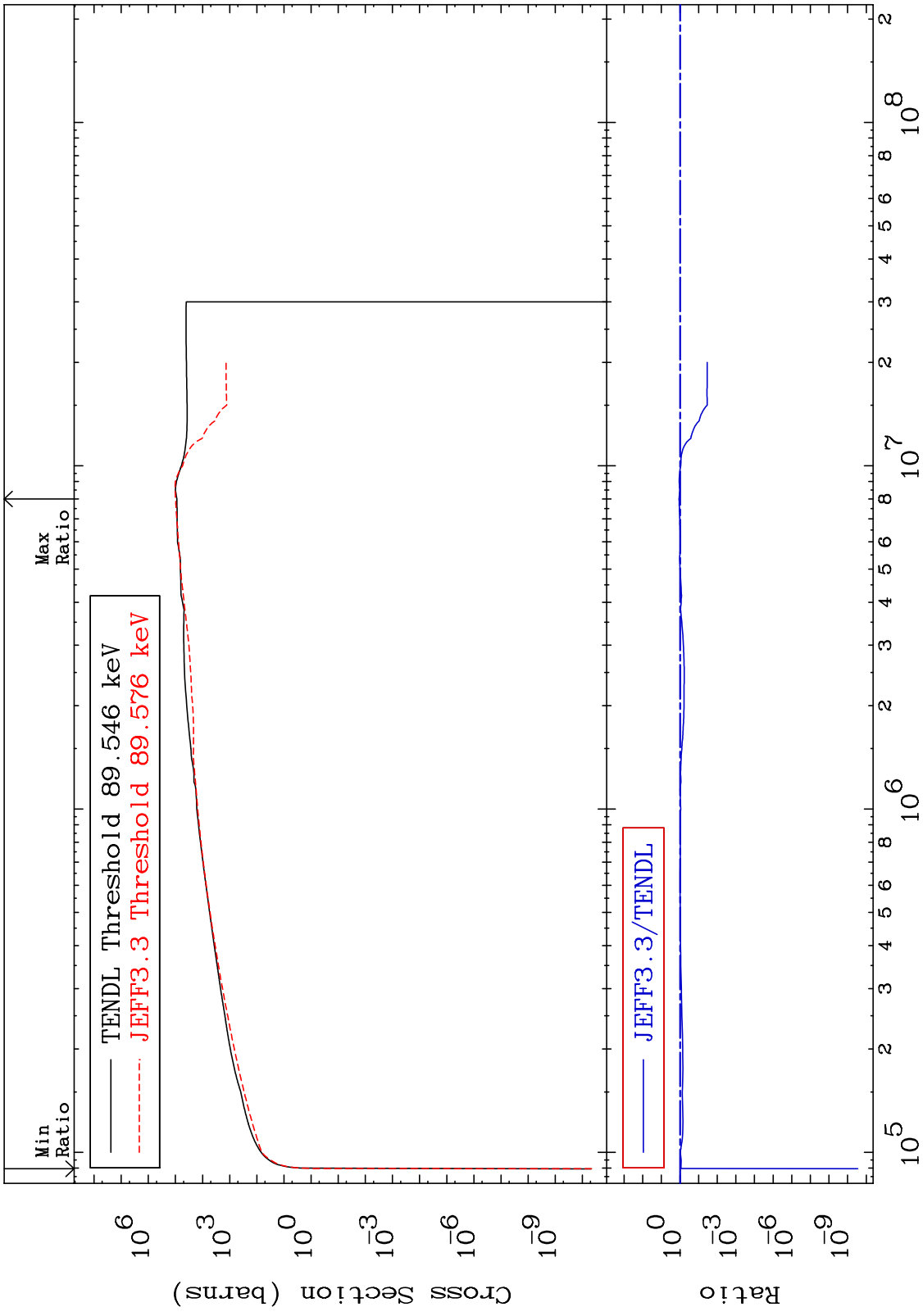
64-Gd-156
-99.33 To 9999. %



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64-Gd-156

MAT 6437 Dpa inelastic (mt51-91) 64-Gd-156
 Cross Section -100.0 To 12.11 %

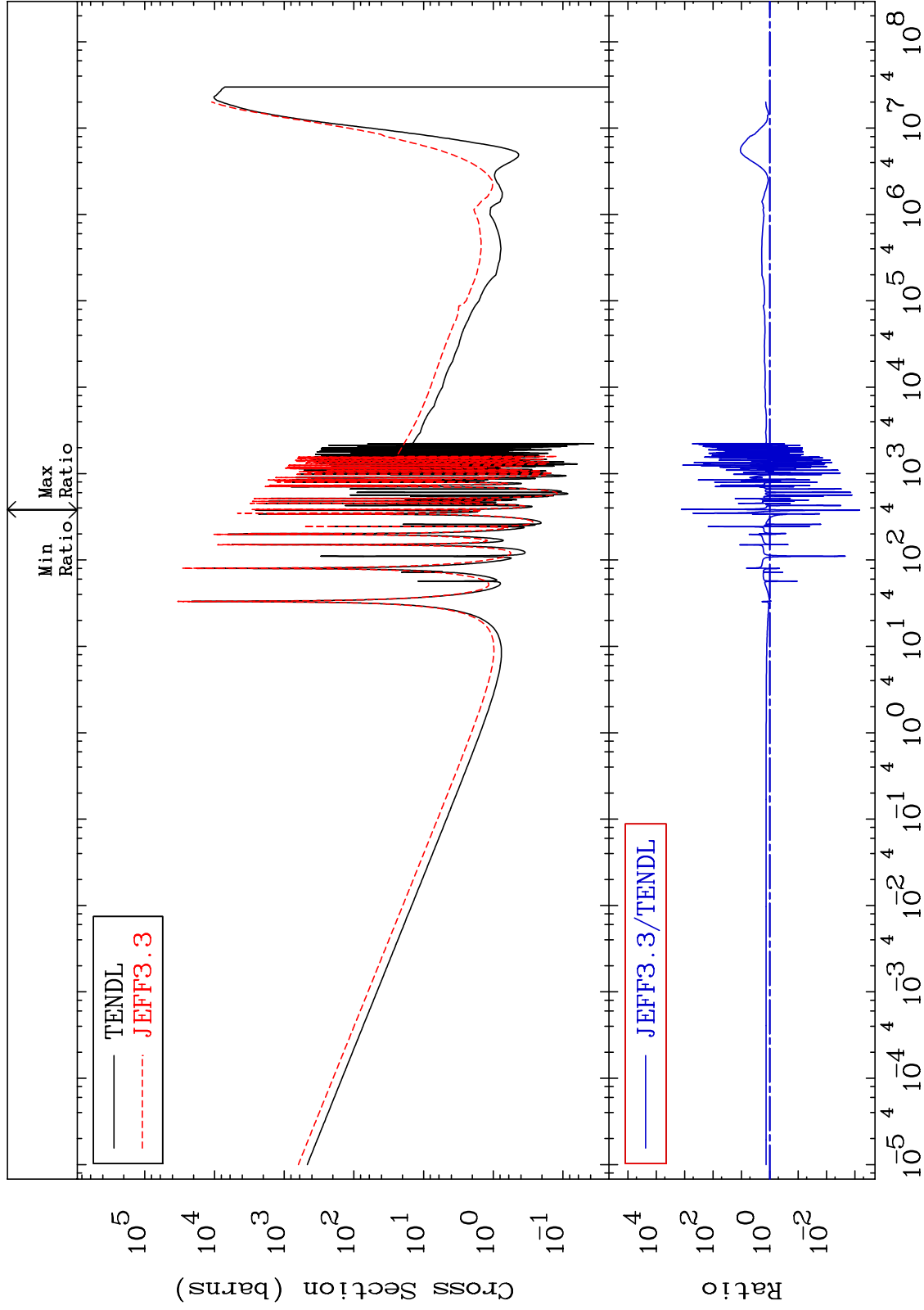


42 Incident Energy (eV) 64-Gd-156

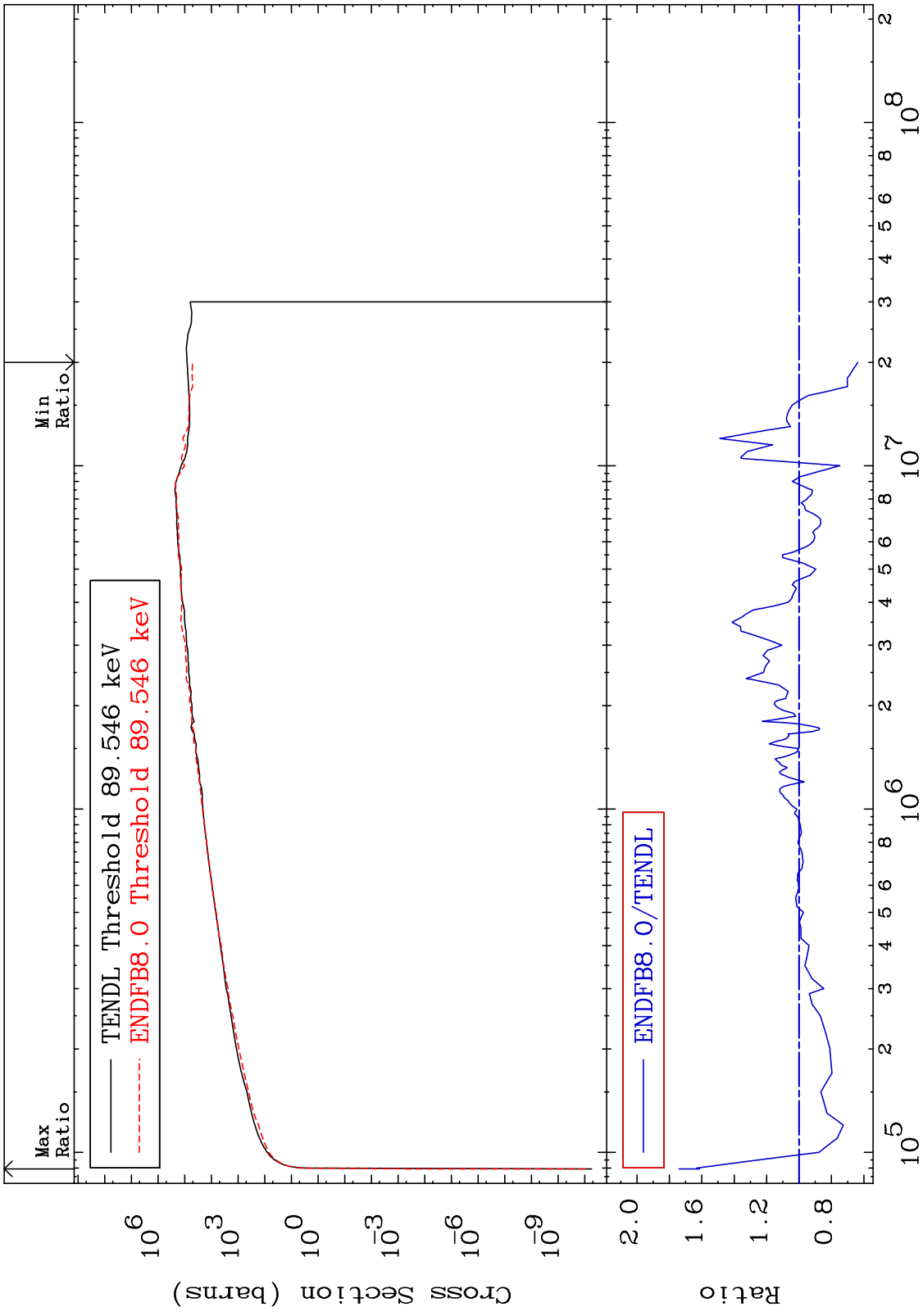
MAT 6437

Dpa disappearance (mt102 -120)
Cross Section

64-Gd-156
-99.93 To 9999. %



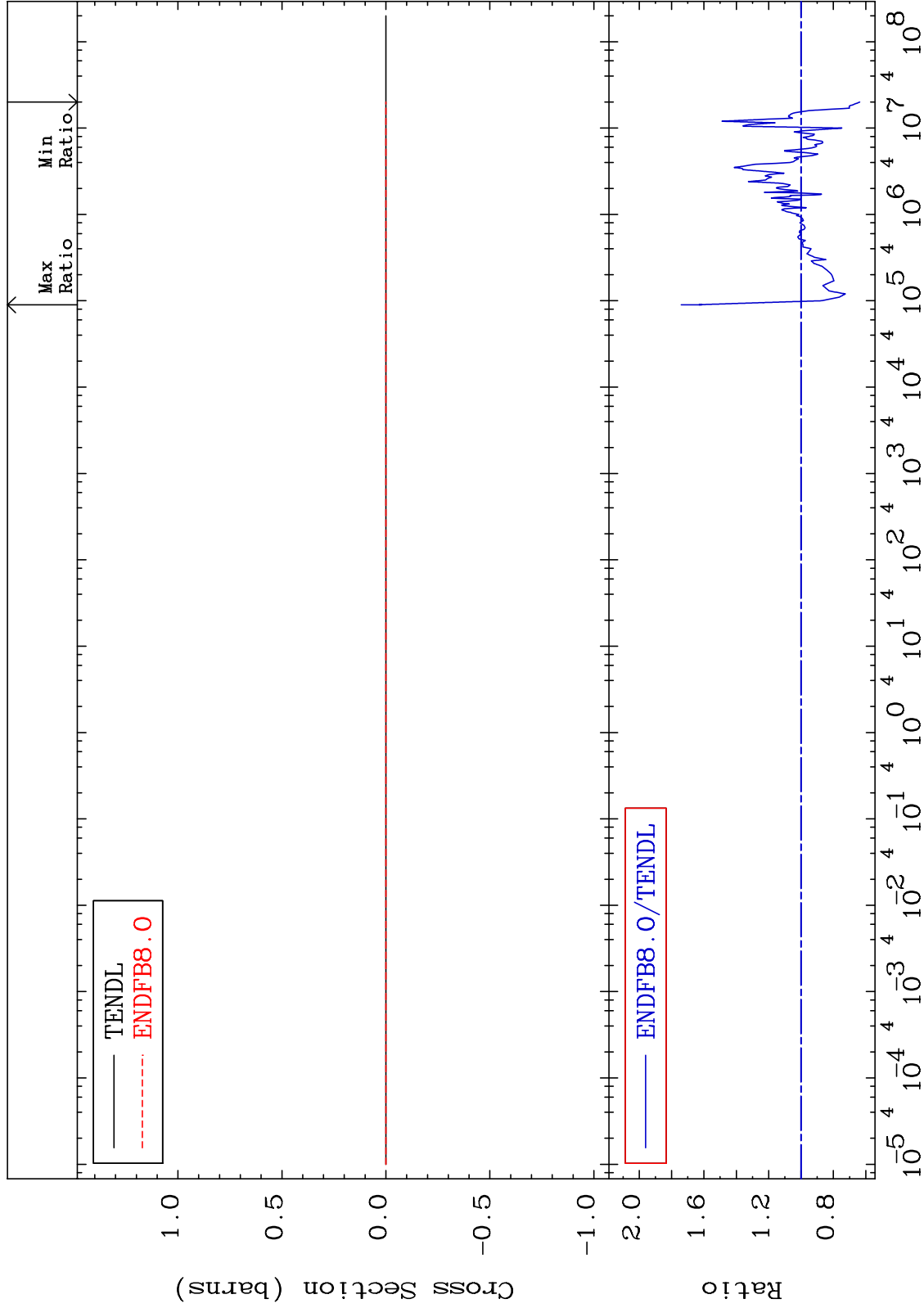
MAT 6437 Kerma inelastic (mt51-91) 64-Gd-156
 Cross Section -36.29 To 74.04 %



MAT 6437

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

64-Gd-156
-36.29 To 74.04 %



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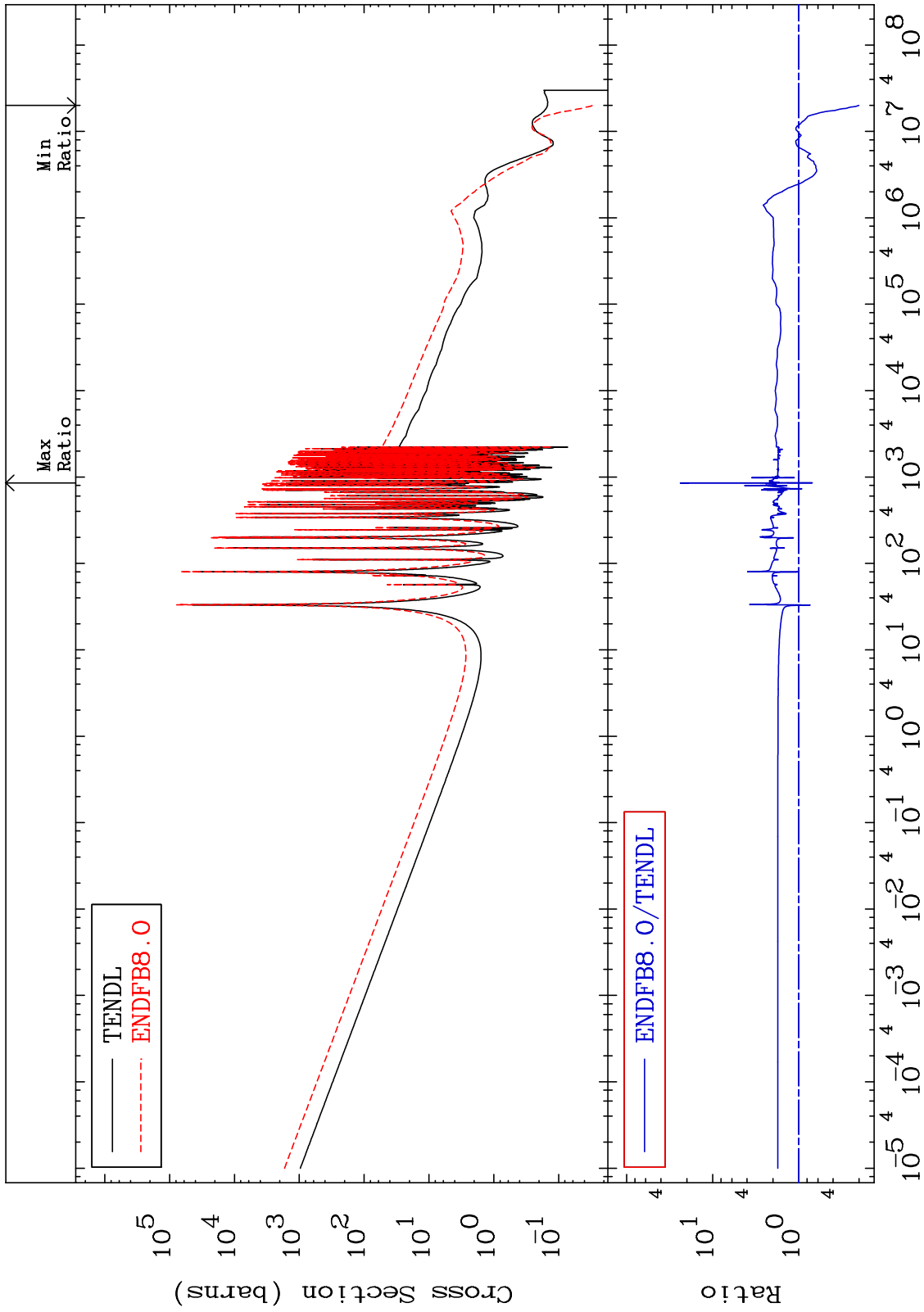
Incident Energy (eV)

64-Gd-156

MAT 6437

Kerma capture (mt102)
Cross Section

64-Gd-156
-79.93 To 2286. %



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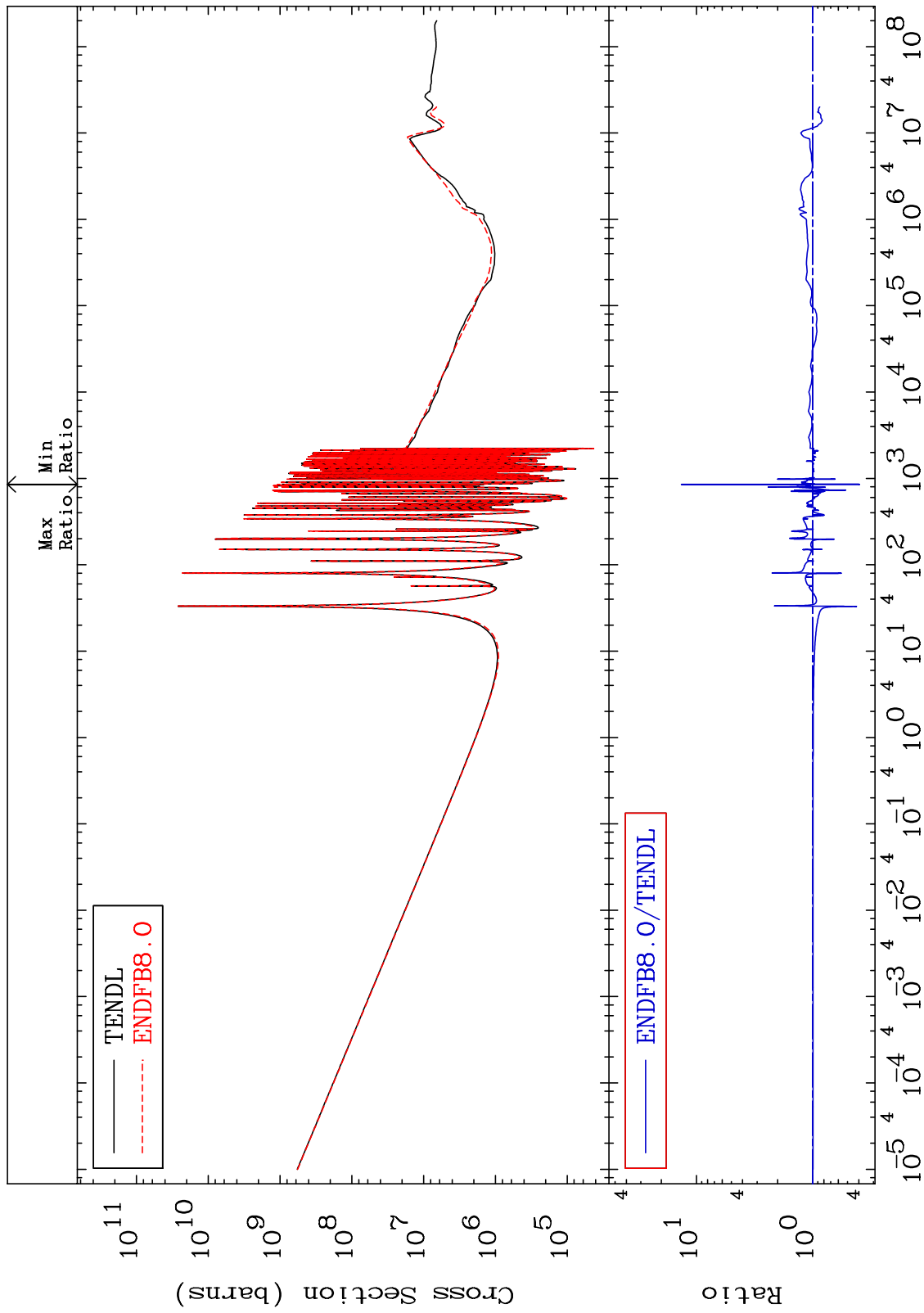
Incident Energy (eV)

64-Gd-156

MAT 6437

Total photon (eV-barns)
Cross Section

64-Gd-156
-60.72 To 1249. %

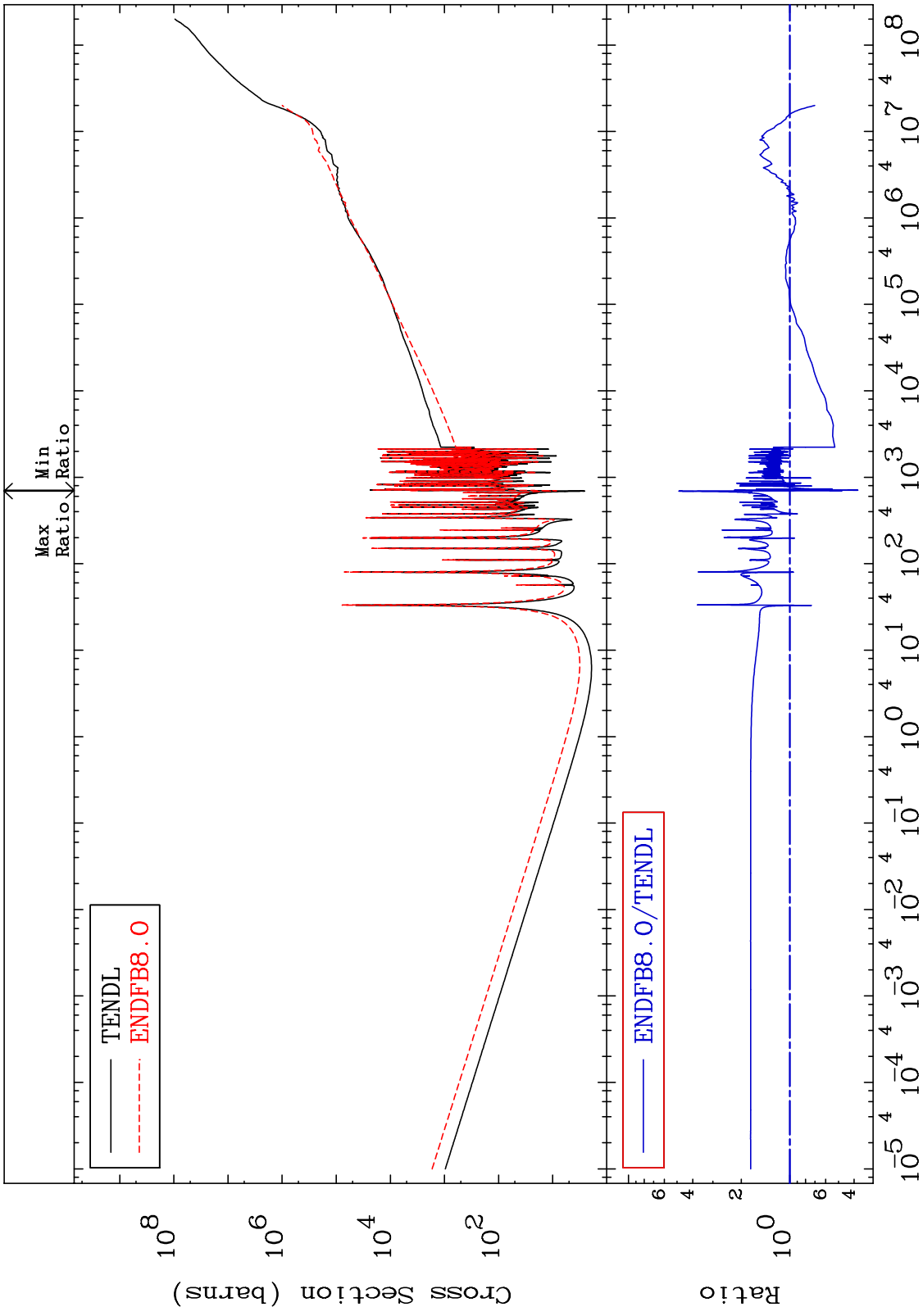


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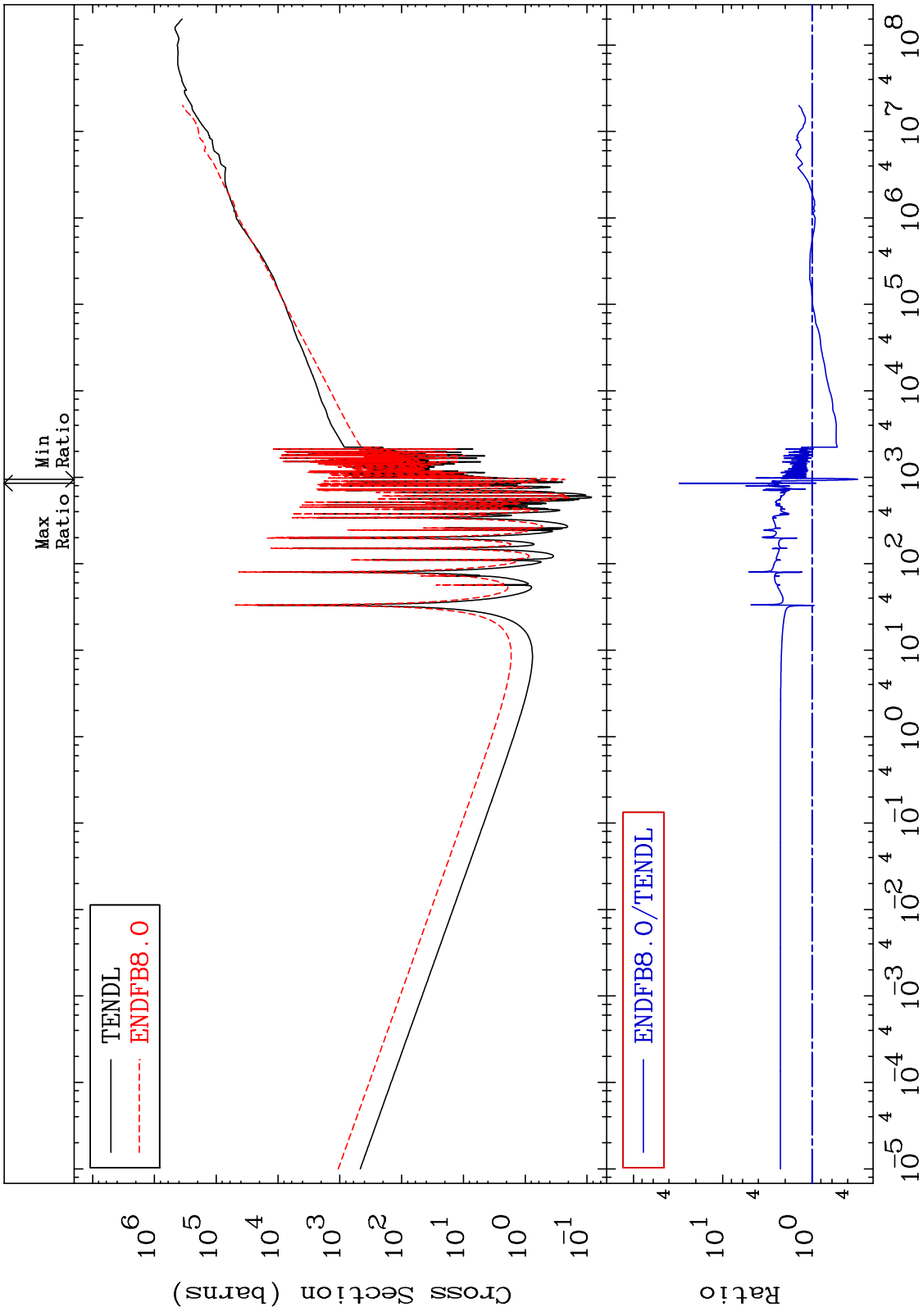
Incident Energy (eV)

64-Gd-156

MAT 6437 Total kinematic kerma (high limit) 64-Gd-156
Cross Section -62.06 To 386.3 %



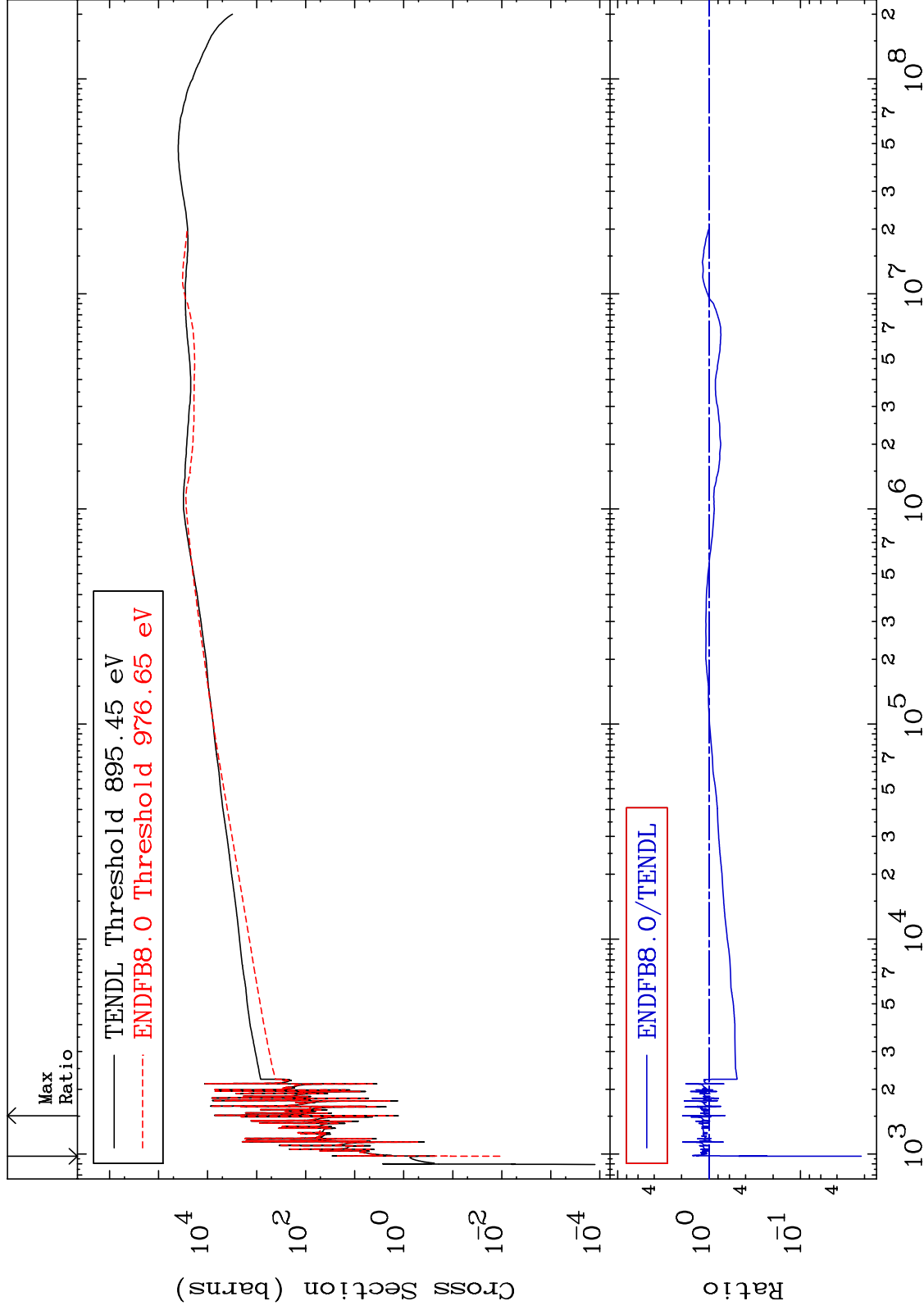
MAT 6437 Dpa total (eV-barns) 64-Gd-156
 Cross Section -69.19 To 2988. %



MAT 6437

Dpa elastic (mt2)
Cross Section

64-Gd-156
-97.83 To 95.80 %

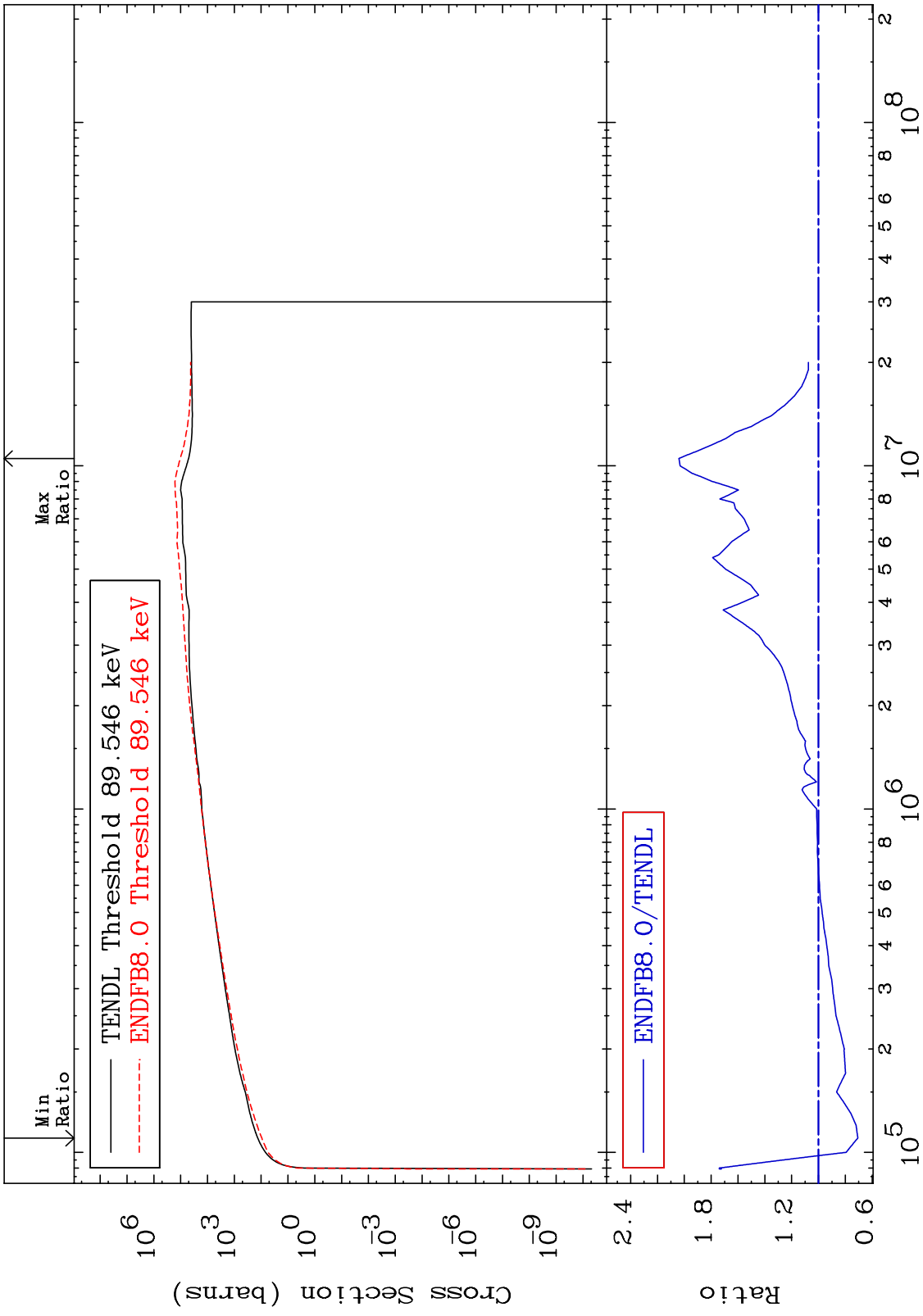


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Incident Energy (eV)

64-Gd-156

MAT 6437 Dpa inelastic (mt51-91) 64-Gd-156
 Cross Section -29.33 To 103.9 %



51 64-Gd-156

MAT 6437 Dpa disappearance (mt102 -120) 64-Gd-156
 Cross Section -71.92 To 2988. %

