

Program Complot
(Version 2021-1)

by

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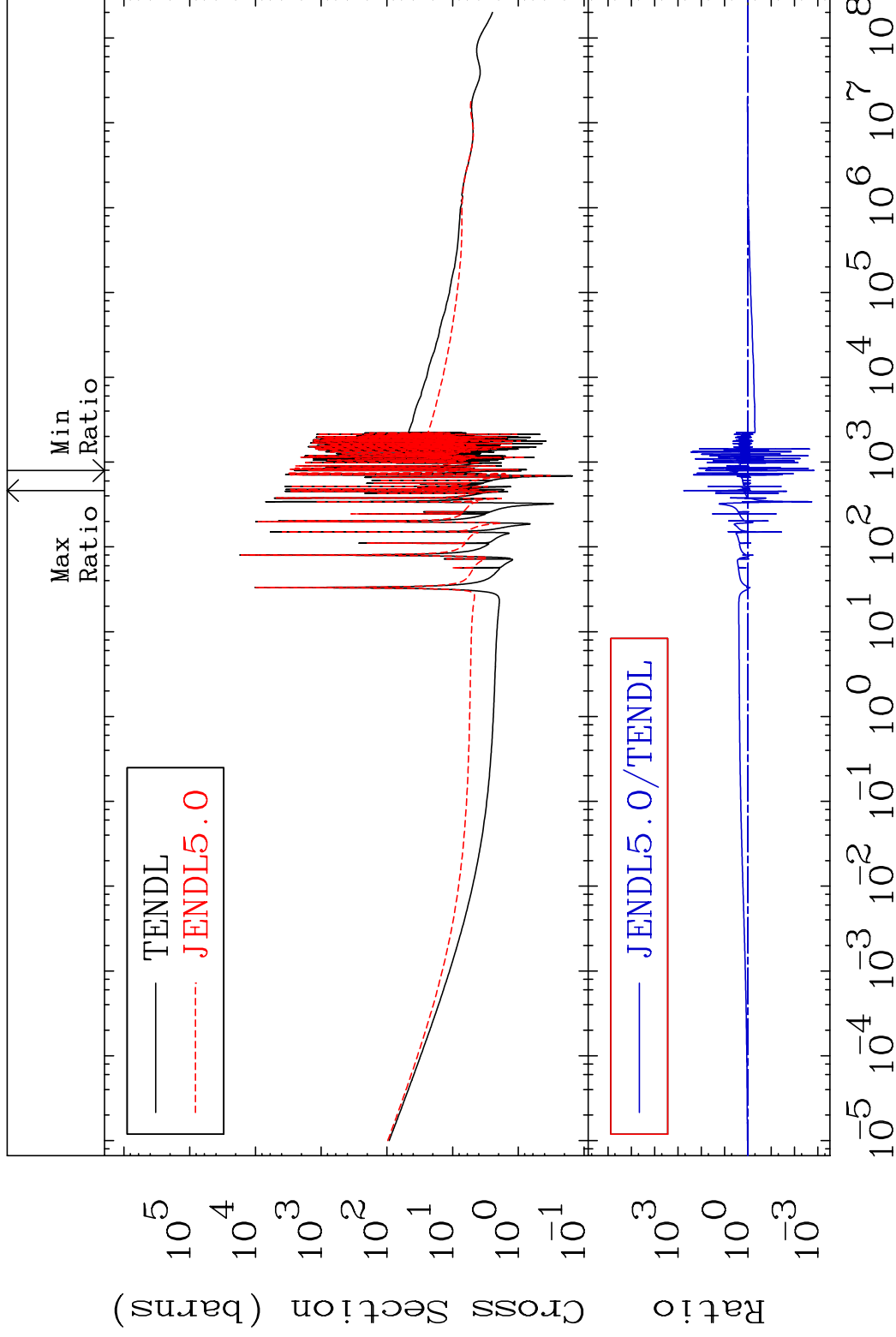
Press Mouse Button to Start

MAT 6437

Total

64-Gd-156

Cross Section -99.86 To 9999. %



1

Incident Energy (eV)

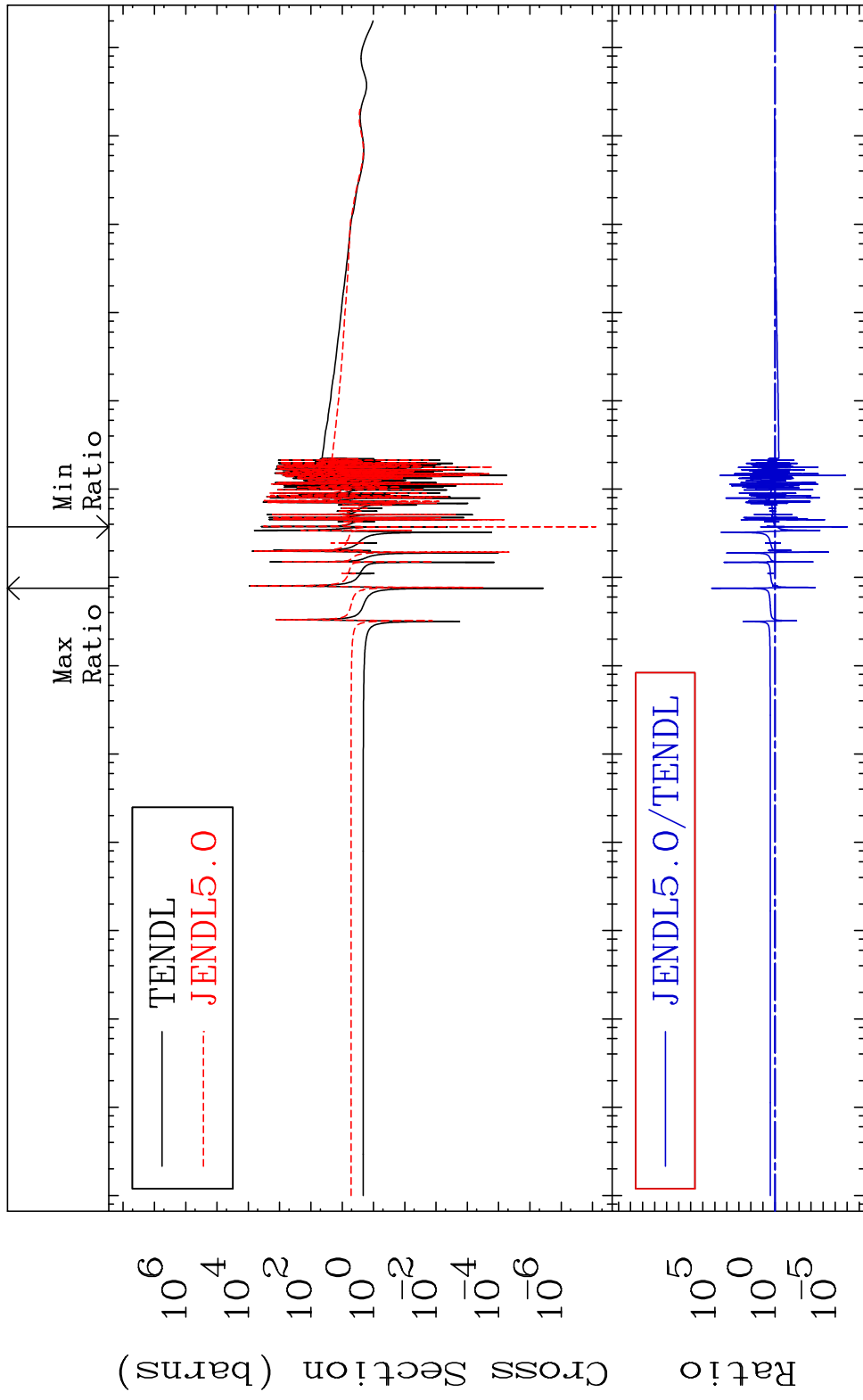
64-Gd-156

MAT 6437

Elastic

64-Gd-156

Cross Section -100.0 To 9999. %



2

Incident Energy (eV)

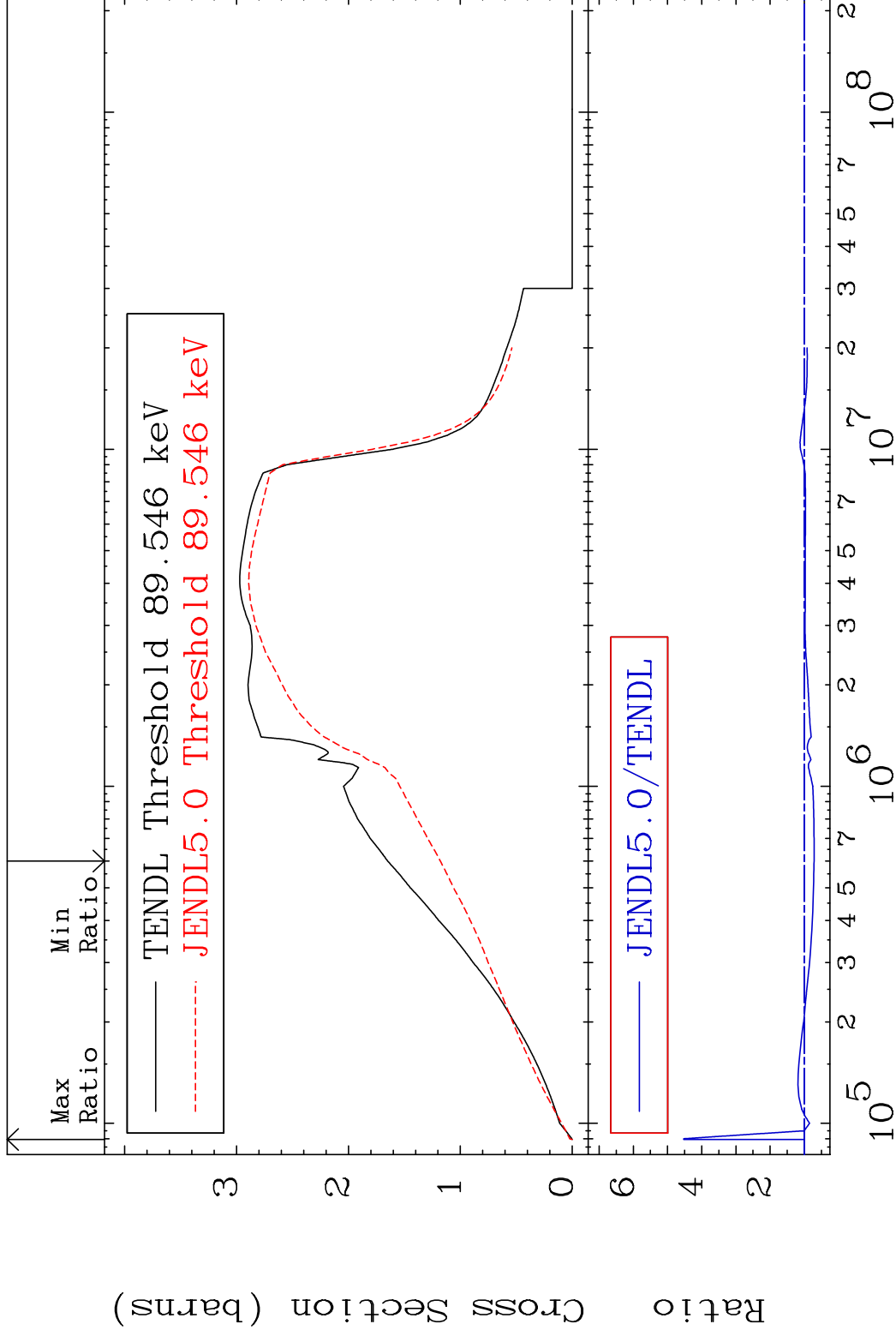
64-Gd-156

MAT 6437

Inelastic

64-Gd-156

Cross Section -28.55 To 352.8 %



3

Incident Energy (eV)

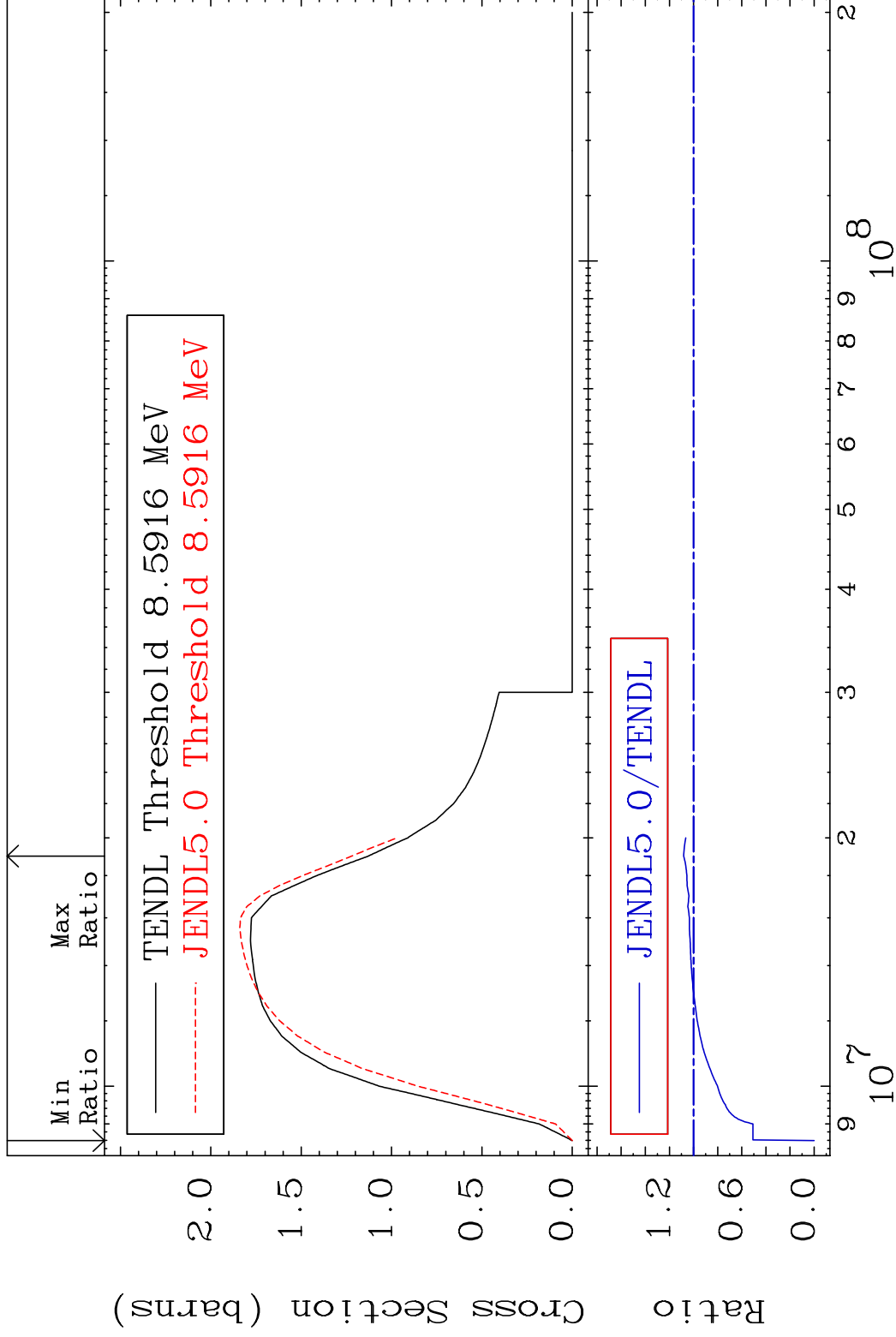
64-Gd-156

MAT 6437

(n,2n)

64-Gd-156

Cross Section -100.0 To 8.197 %



4

Incident Energy (eV)

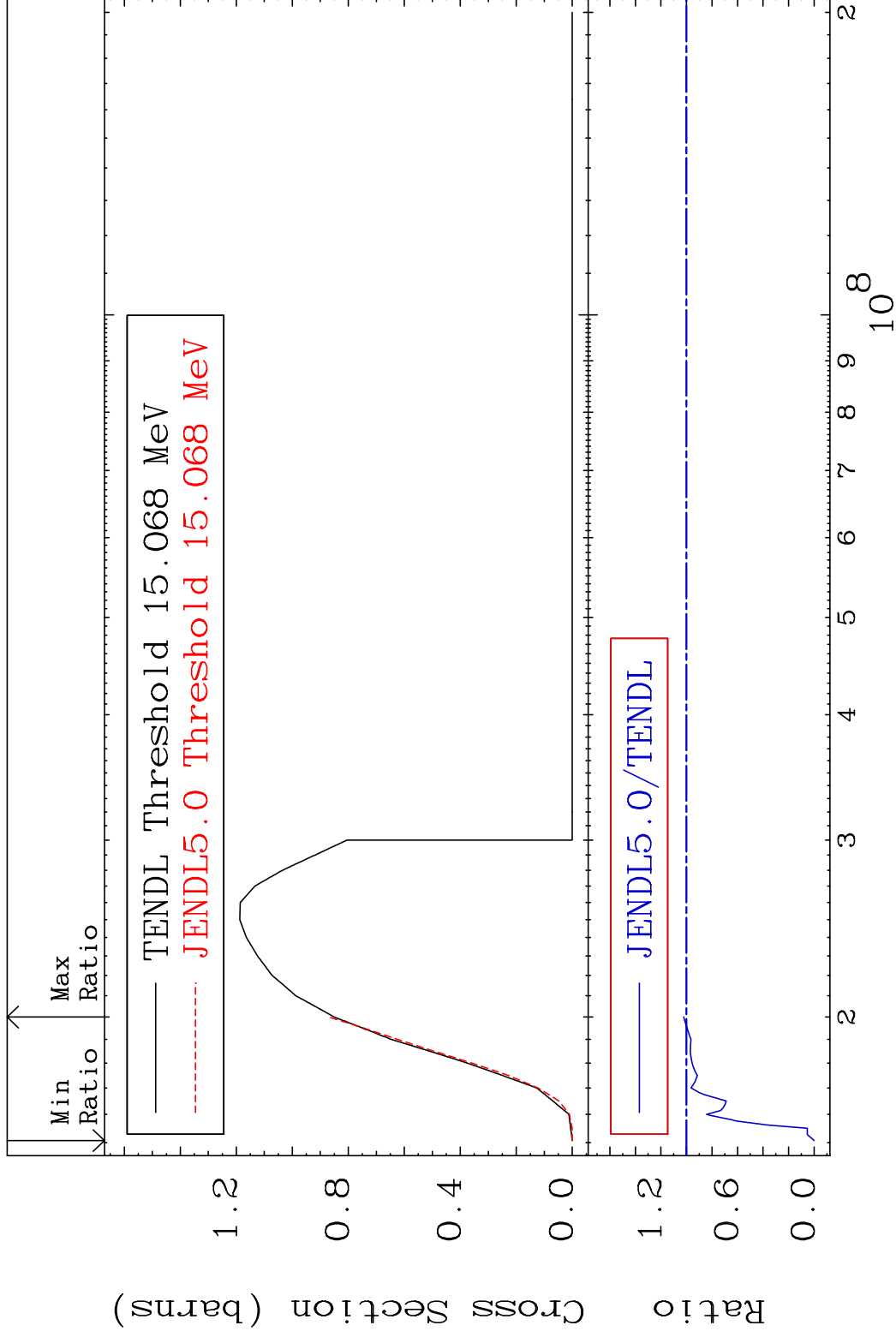
64-Gd-156

MAT 6437

(n,3n)

64-Gd-156

Cross Section -100.0 To 2.188 %



5

Incident Energy (eV)

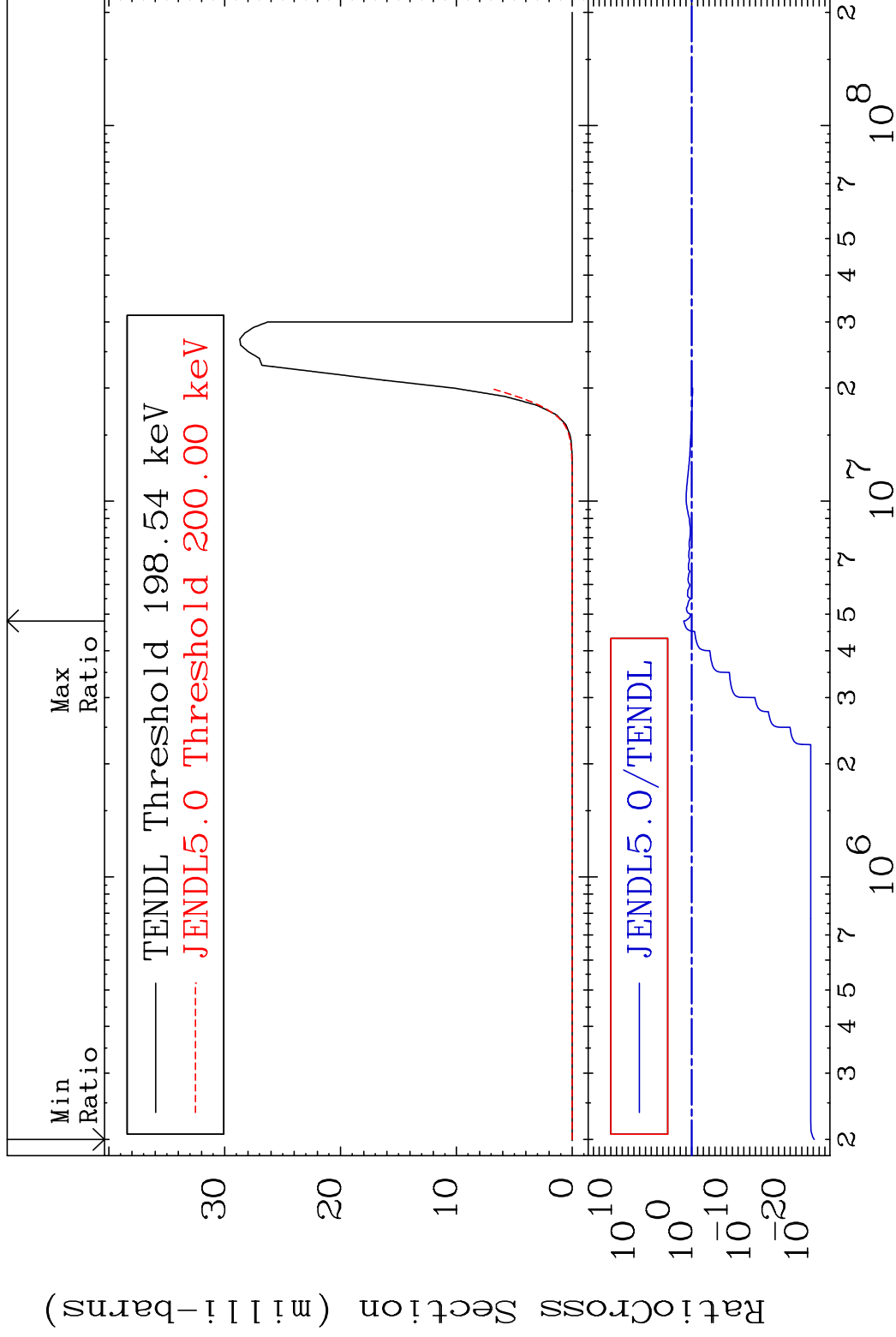
64-Gd-156

MAT 6437

(n, n') α

64-Gd-156

Cross Section -100.0 To 2418. %

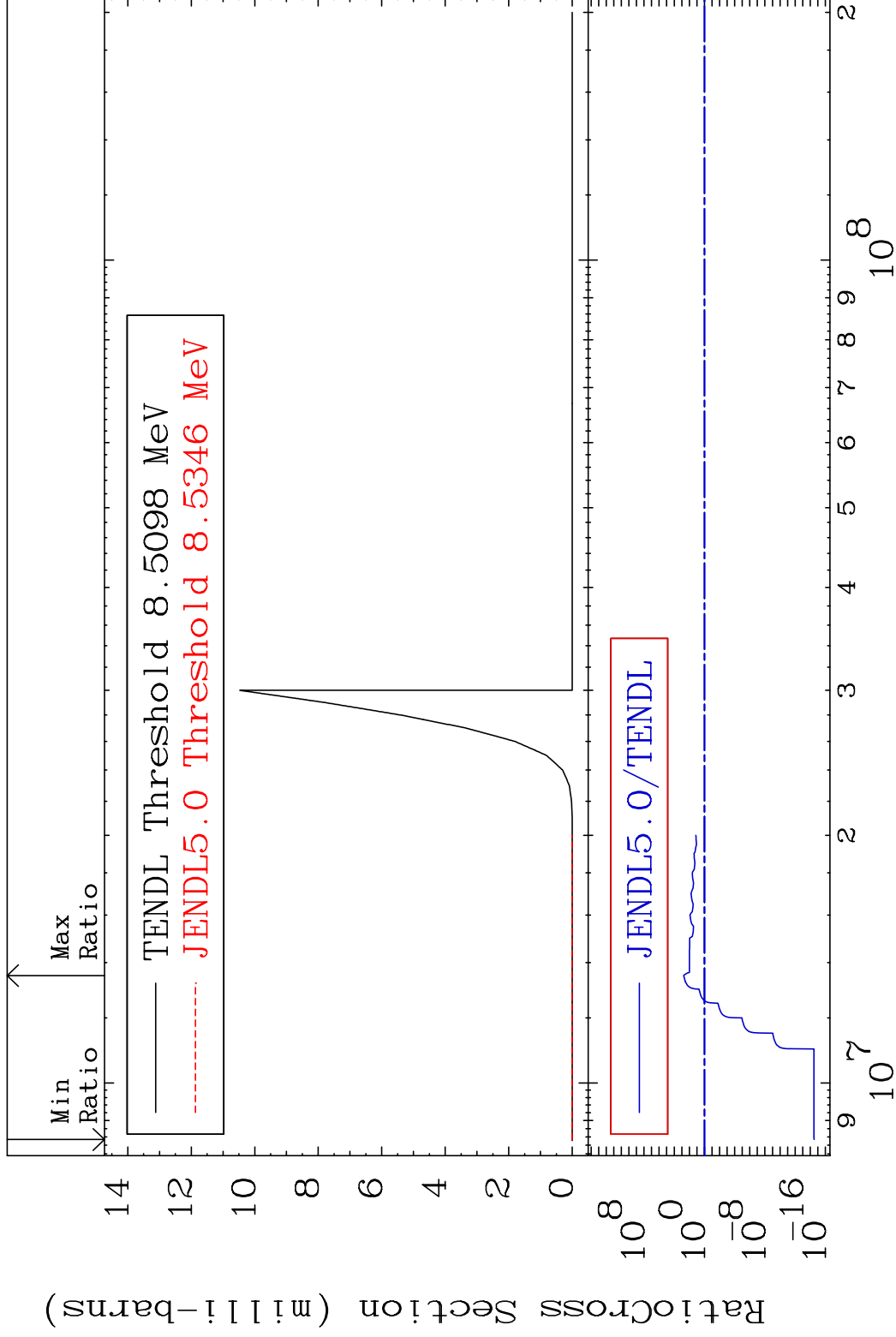


MAT 6437

(n,2n) α

64-Gd-156

Cross Section -100.0 To 9999. %



7

Incident Energy (eV)

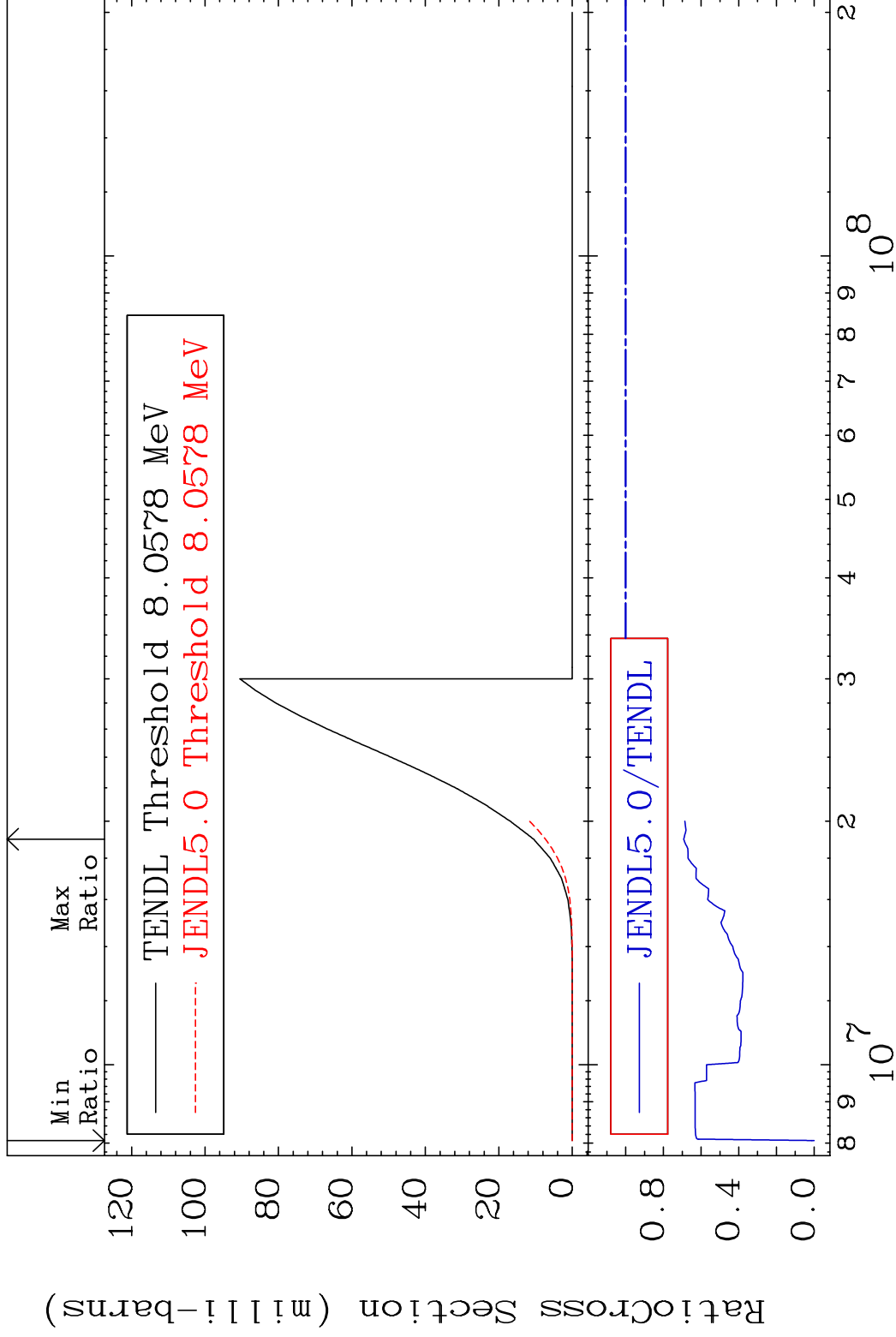
64-Gd-156

MAT 6437

(n, n') p

64-Gd-156

Cross Section -100.0 To -30.75%



8

Incident Energy (eV)

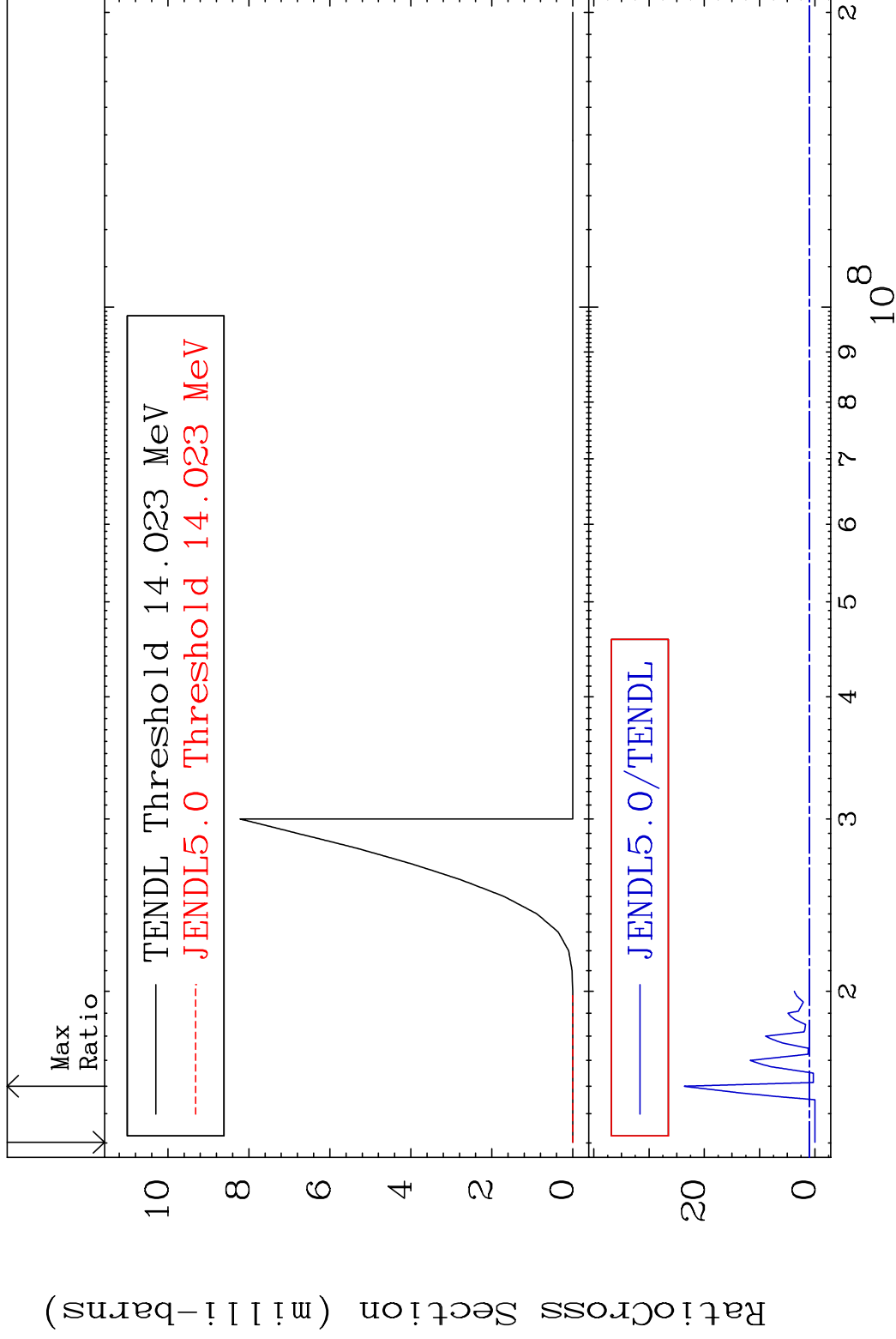
64-Gd-156

MAT 6437

(n, n') d

64-Gd-156

Cross Section -100.0 To 2263. %



9

Incident Energy (eV)

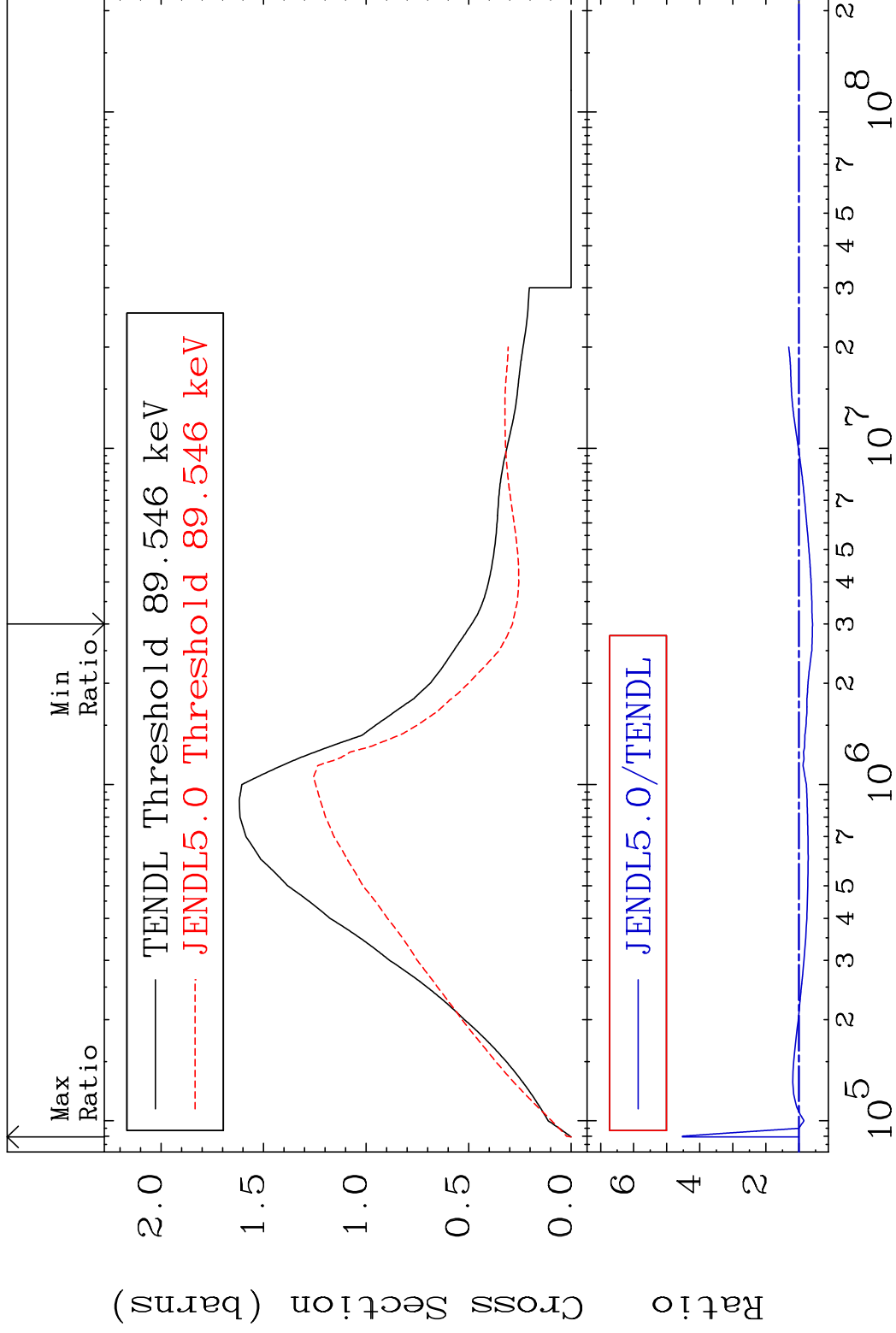
64-Gd-156

MAT 6437

MT= 51 (n, n') Level

64-Gd-156

Cross Section -41.00 To 352.8 %

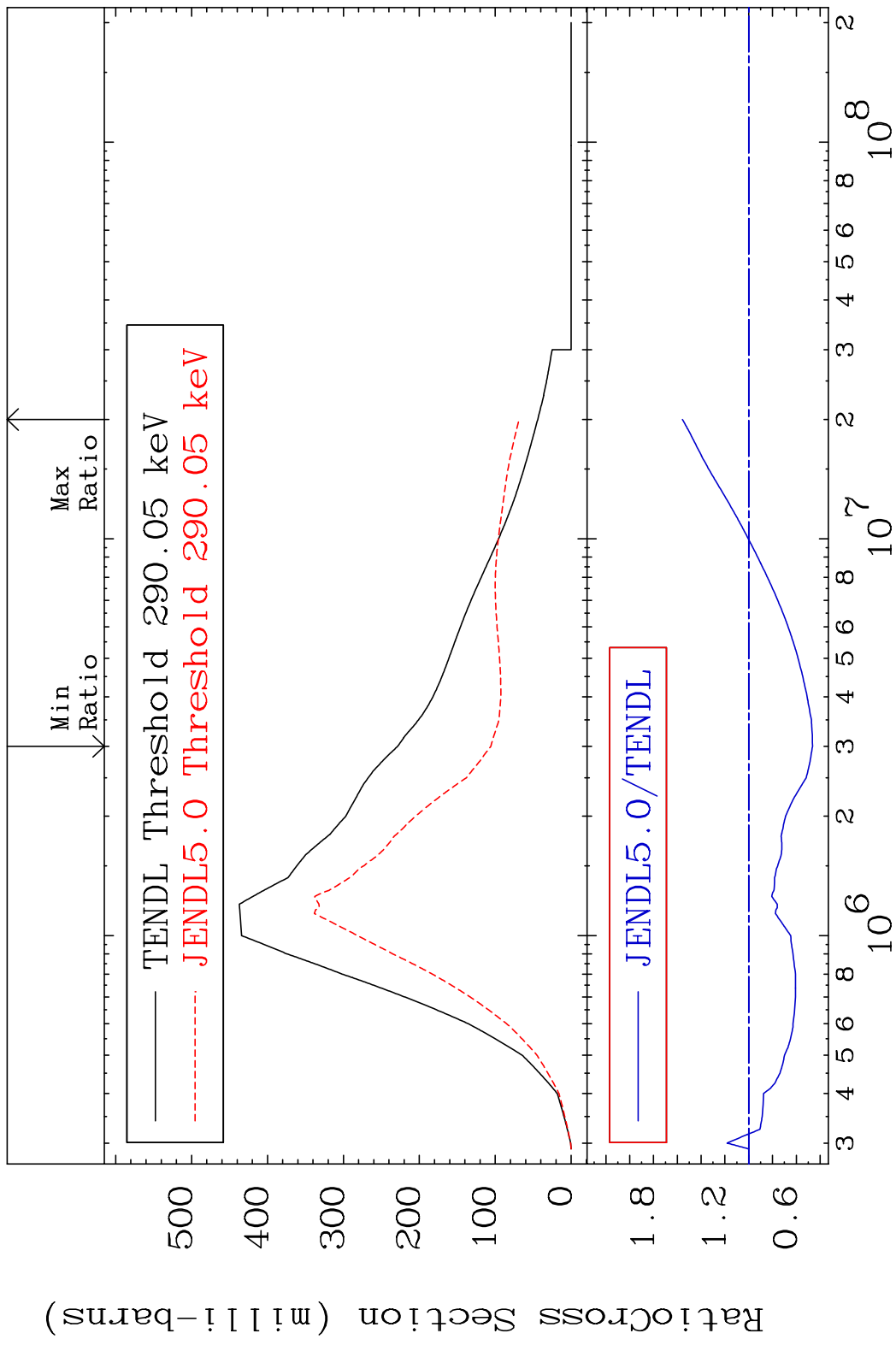


10

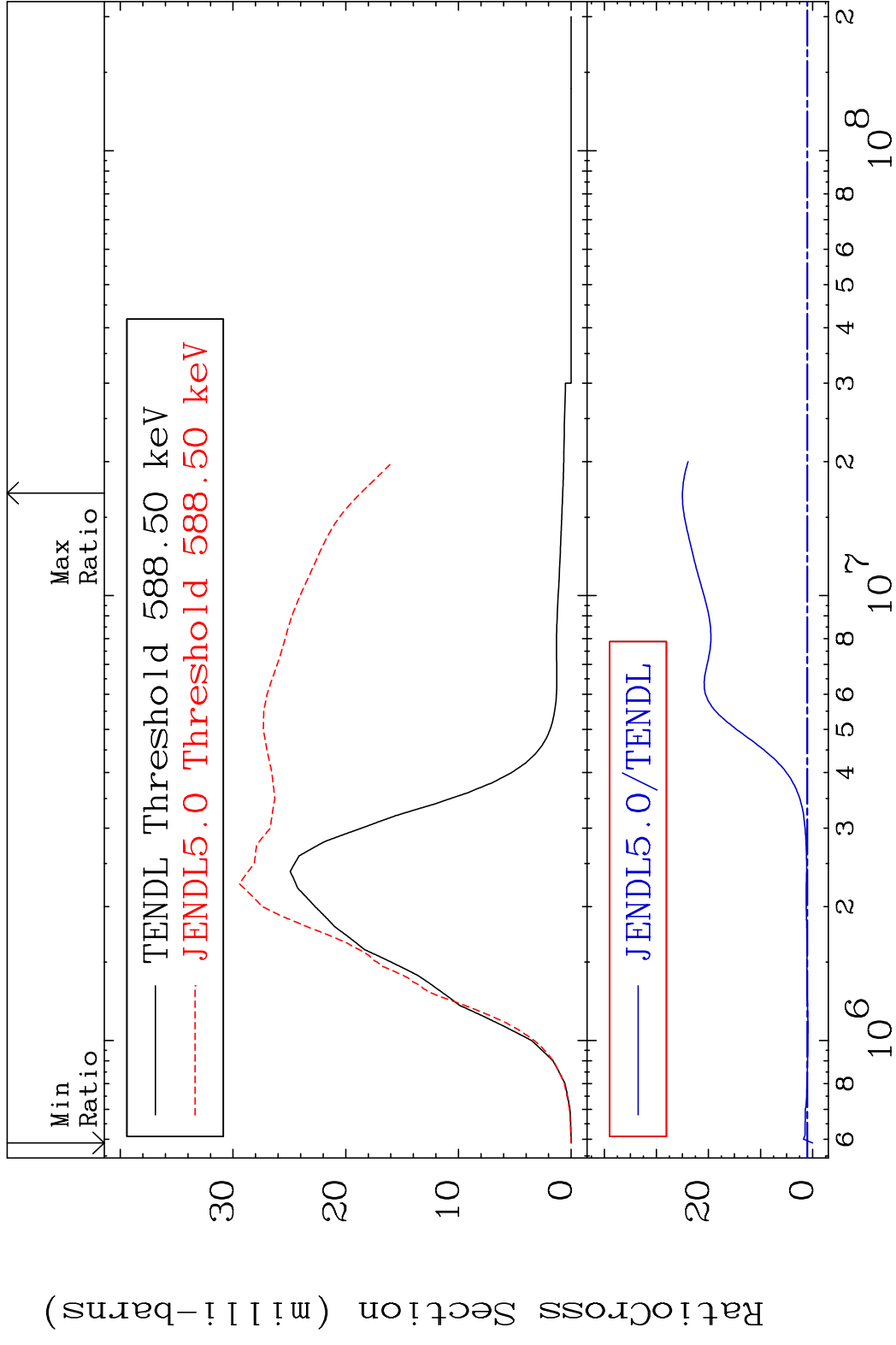
Incident Energy (eV)

64-Gd-156

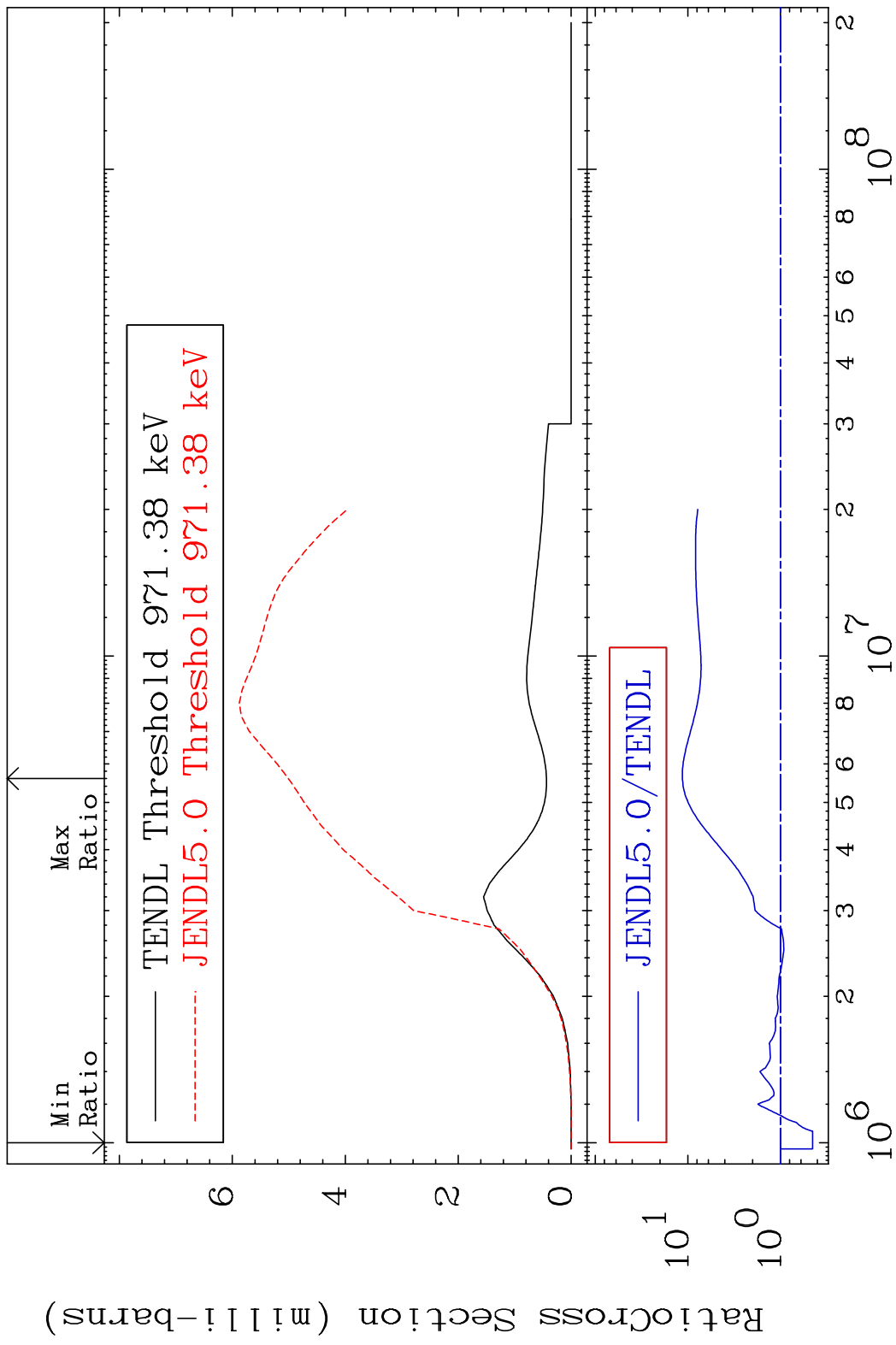
MAT 6437 MT= 52 (n, n') Level 64-Gd-156
 Cross Section -53.66 To 55.77 %



MAT 6437 MT= 53 (n, n') Level 64-Gd-156
 Cross Section -100.0 To 2402. %

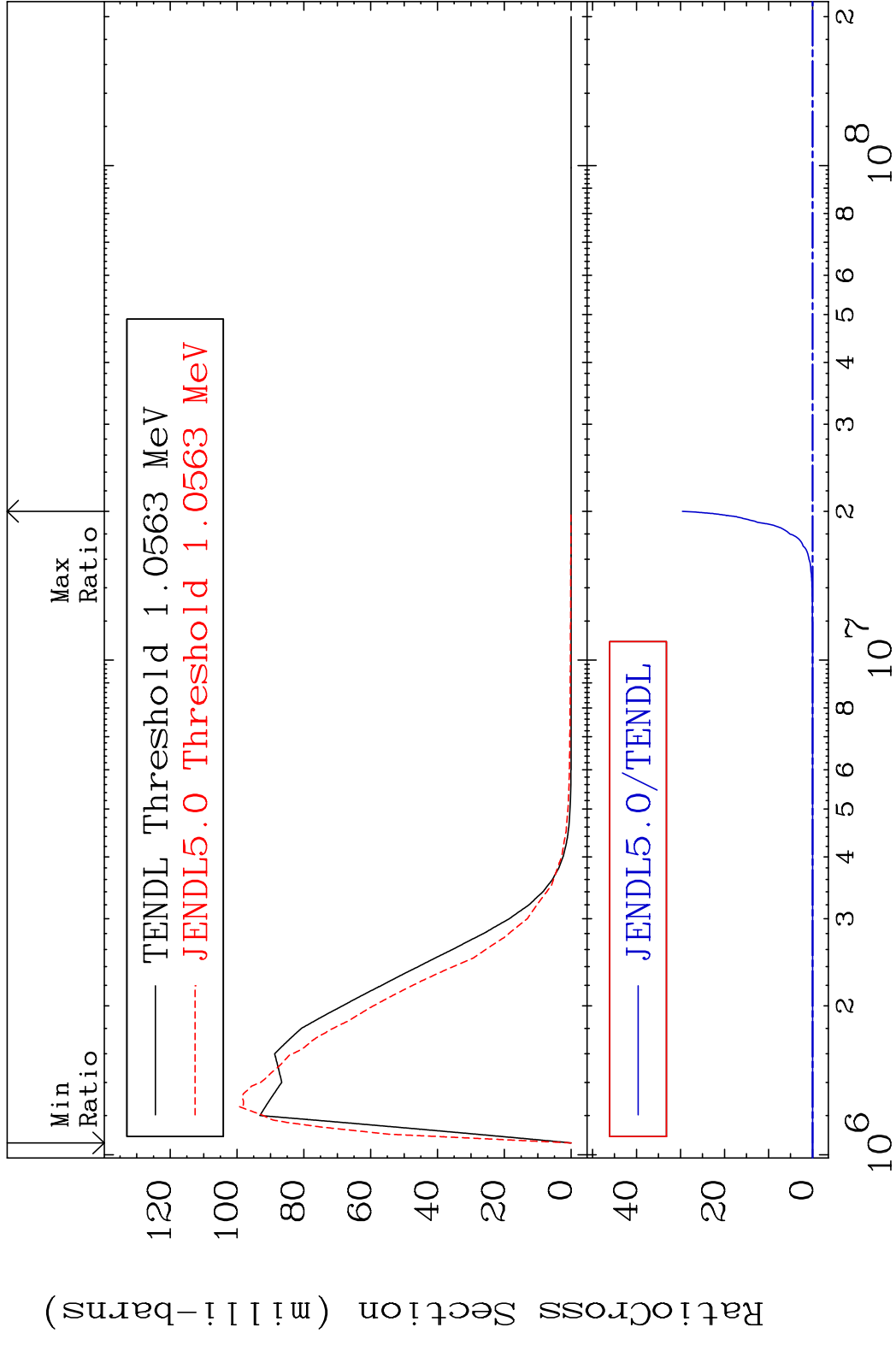


MAT 6437 MT= 54 (n,n') Level 64-Gd-156
 Cross Section -54.92 To 1050. %

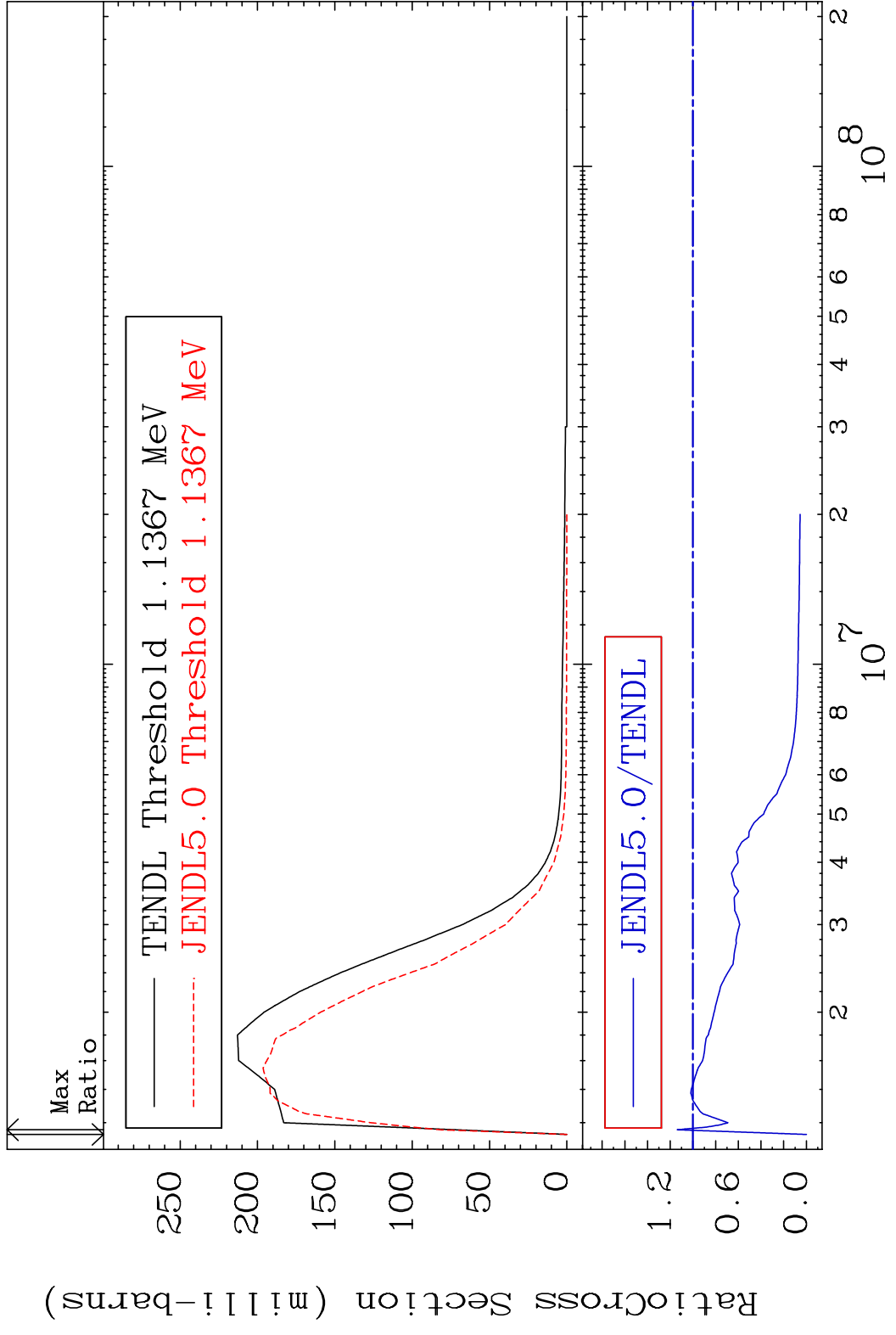


13 64-Gd-156

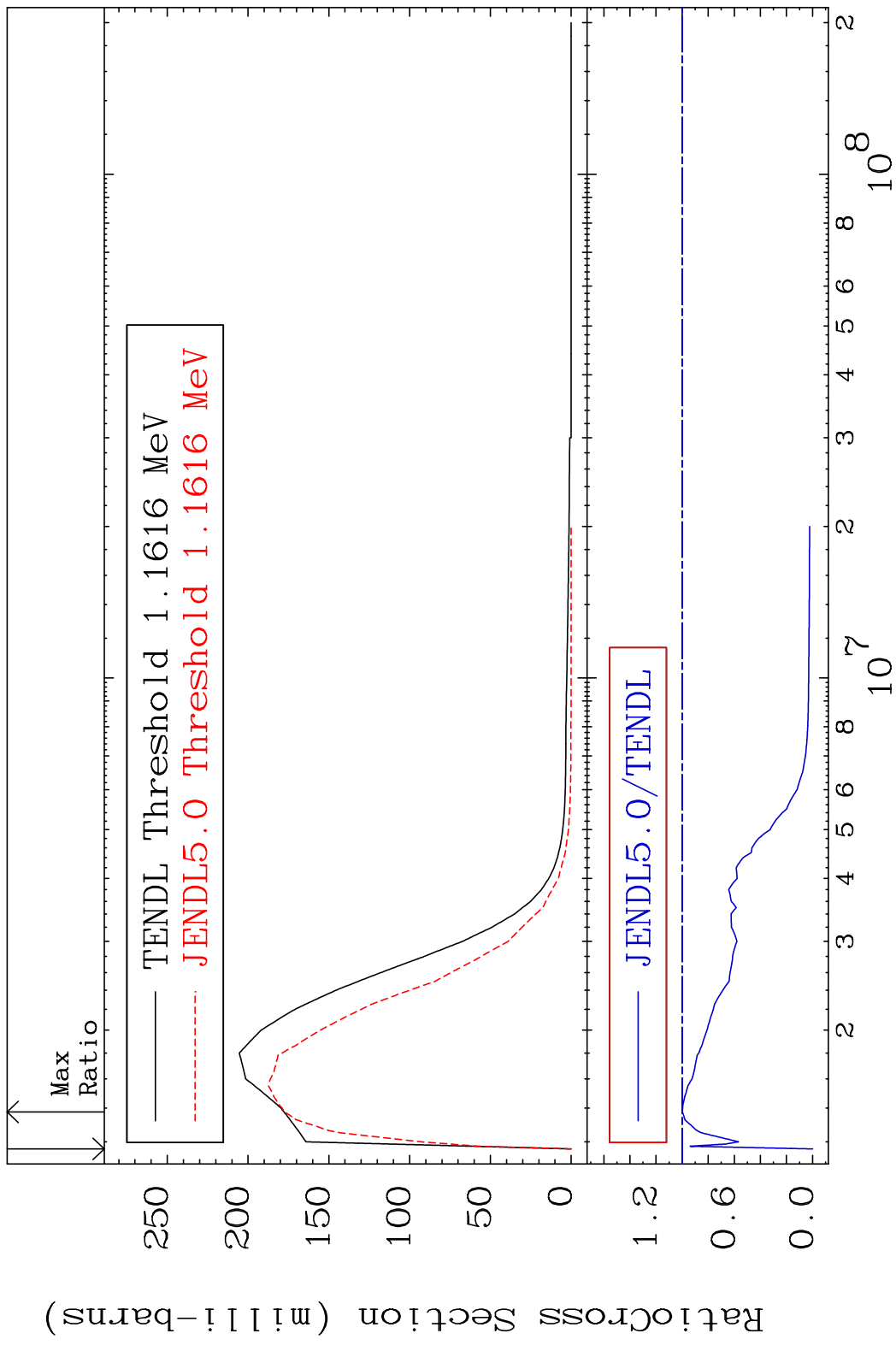
MAT 6437 MT= 55 (n, n') Level 64-Gd-156
 Cross Section -100.0 To 9999. %



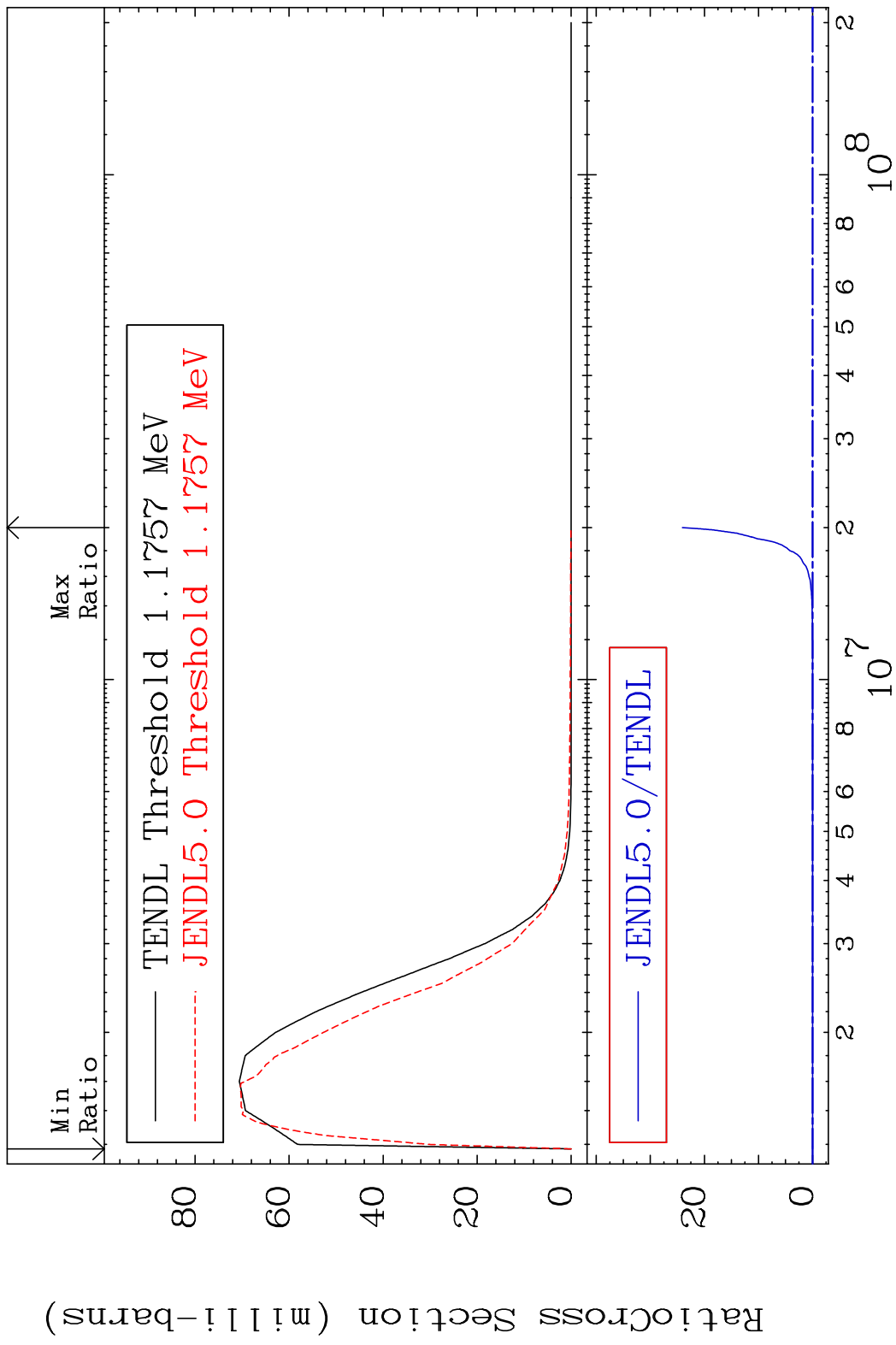
MAT 6437 MT= 56 (n,n') Level 64-Gd-156
 Cross Section -100.0 To 13.86 %



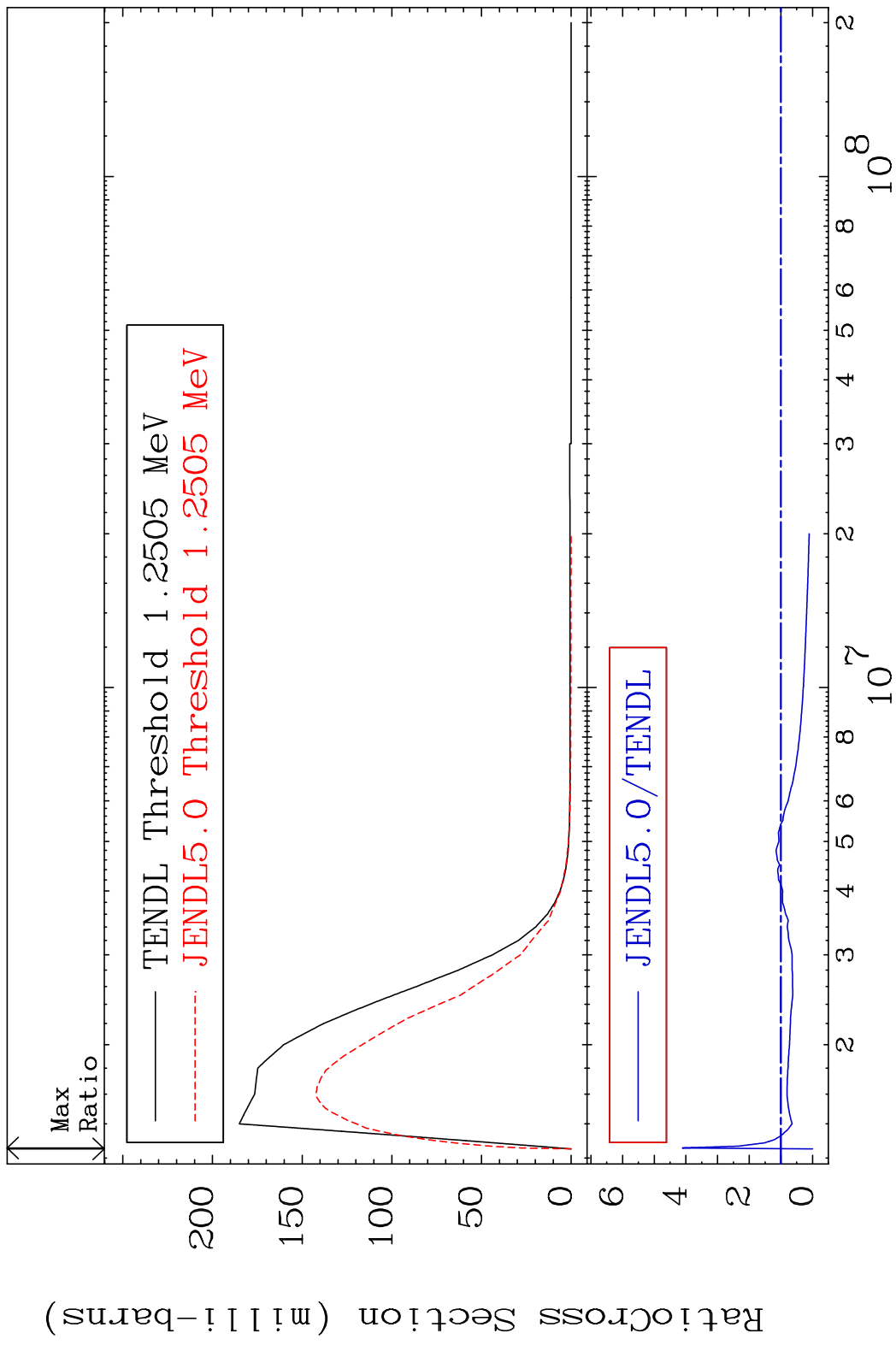
MAT 6437 MT= 57 (n,n') Level 64-Gd-156
 Cross Section -100.0 To -0.183%



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

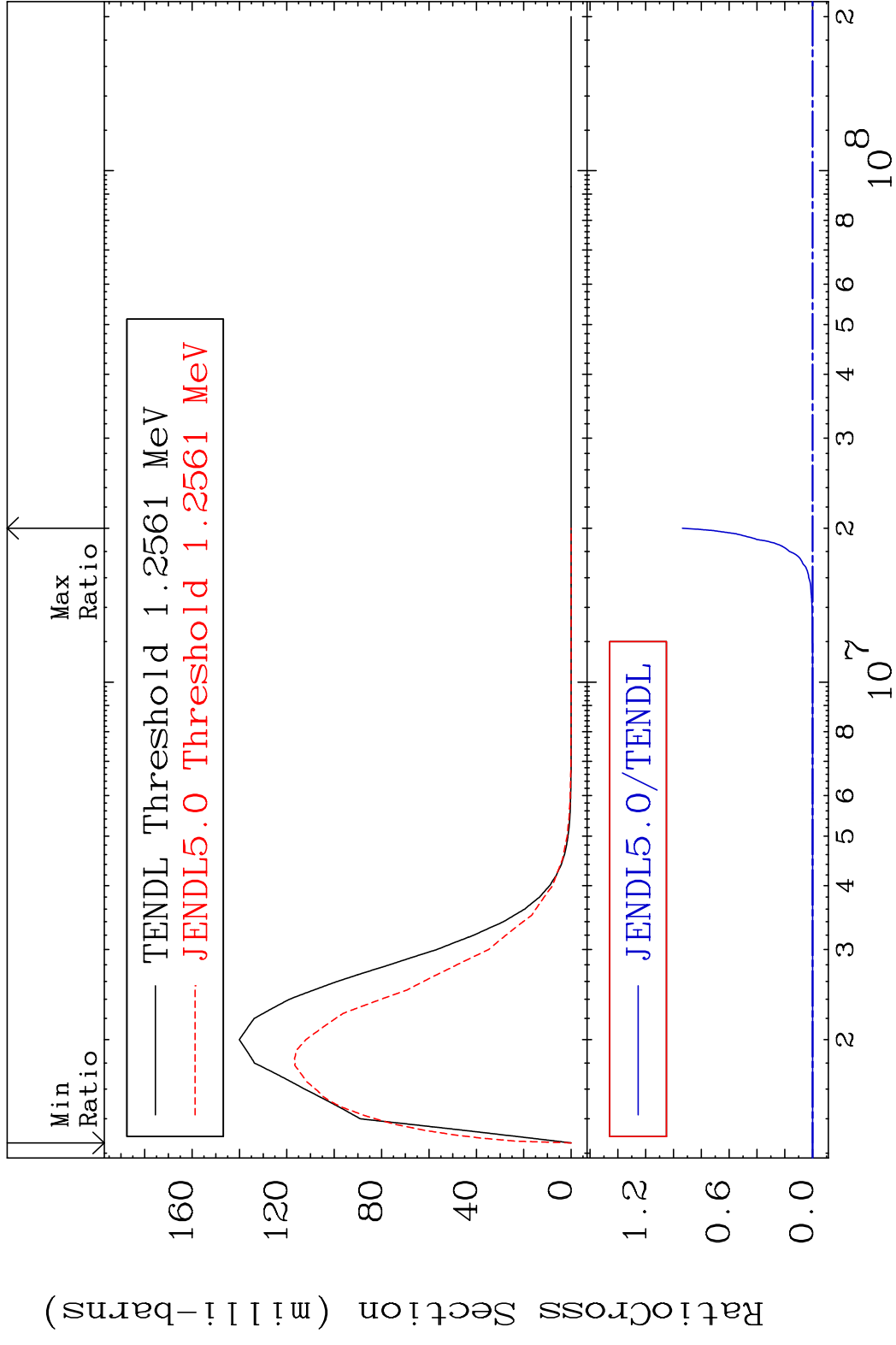


MAT 6437 MT= 59 (n, n') Level 64-Gd-156
 Cross Section -100.0 To 311.2 %

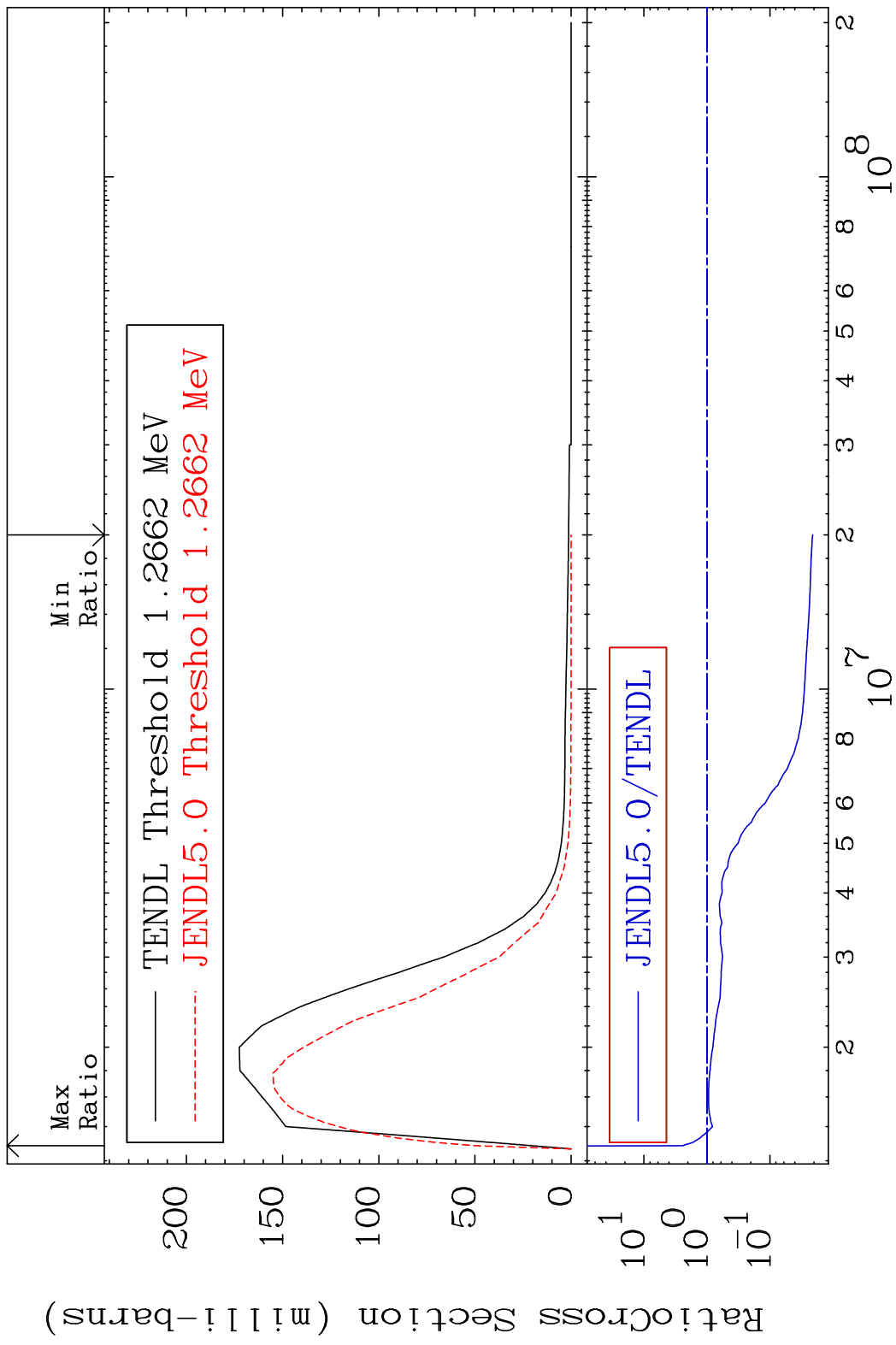


18 Incident Energy (eV) 64-Gd-156

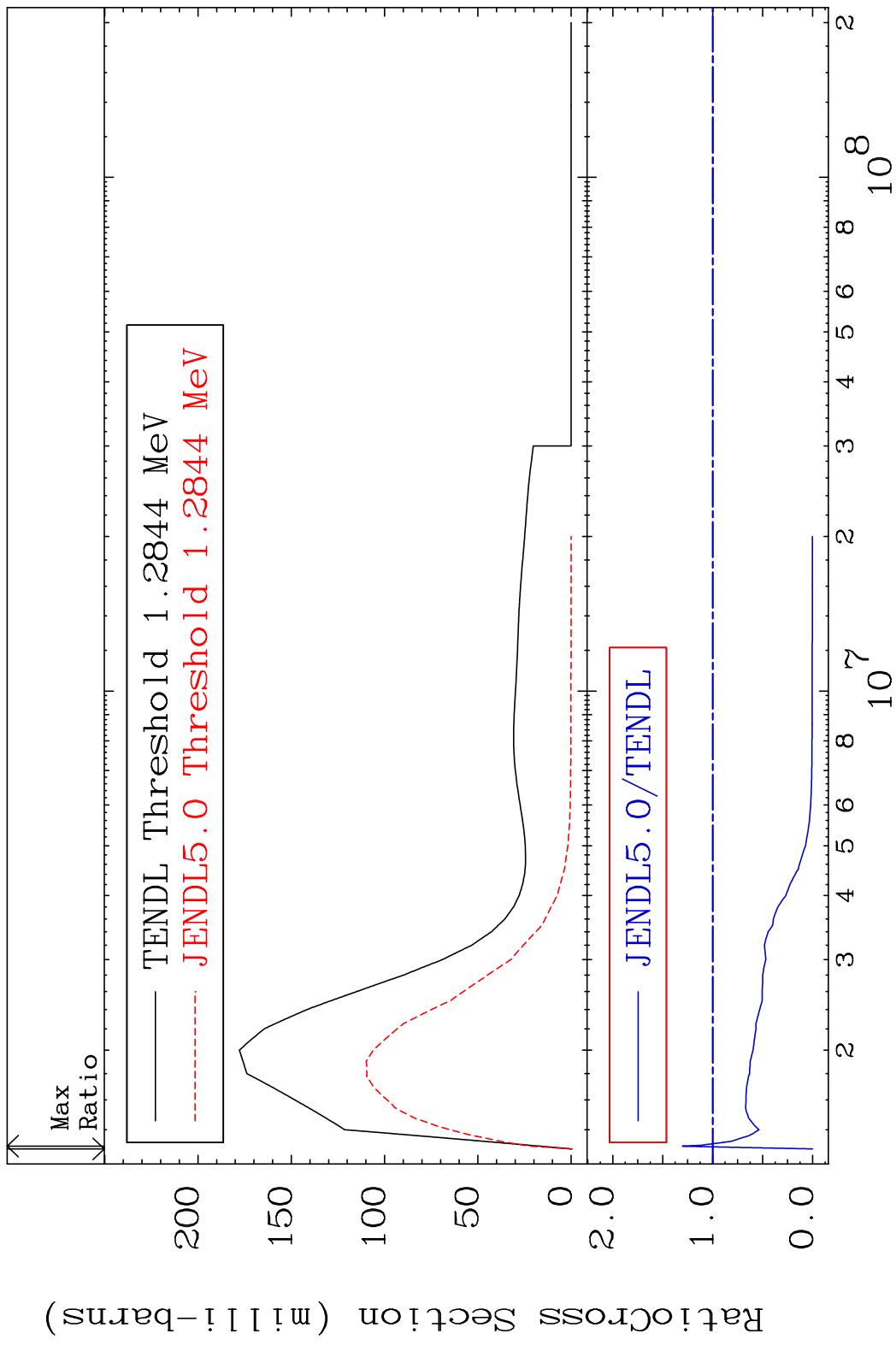
MAT 6437 MT= 60 (n, n') Level 64-Gd-156
 Cross Section -100.0 To 9999. %



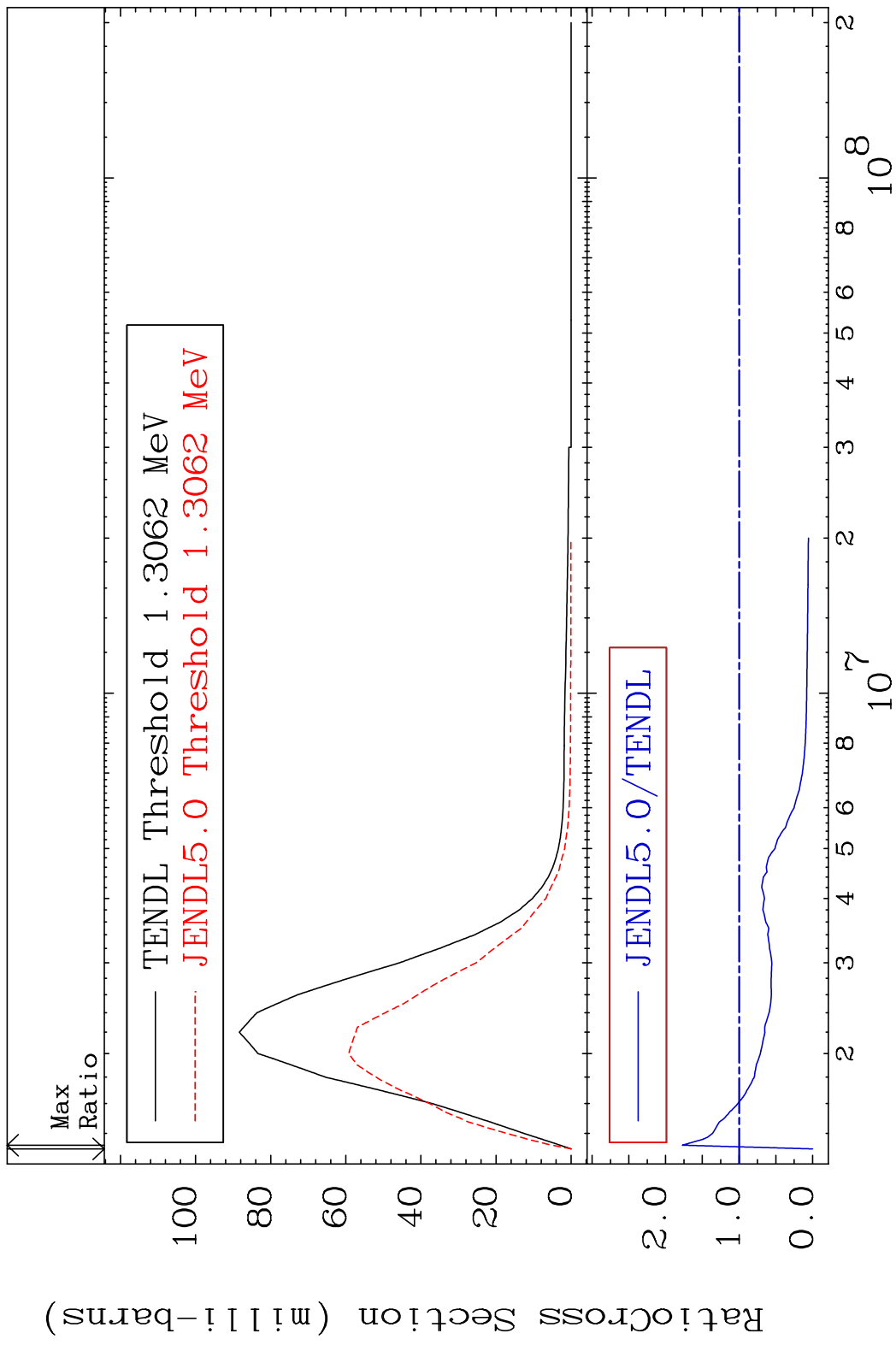
MAT 6437 MT= 61 (n, n') Level 64-Gd-156
 Cross Section -97.90 To 145.4 %



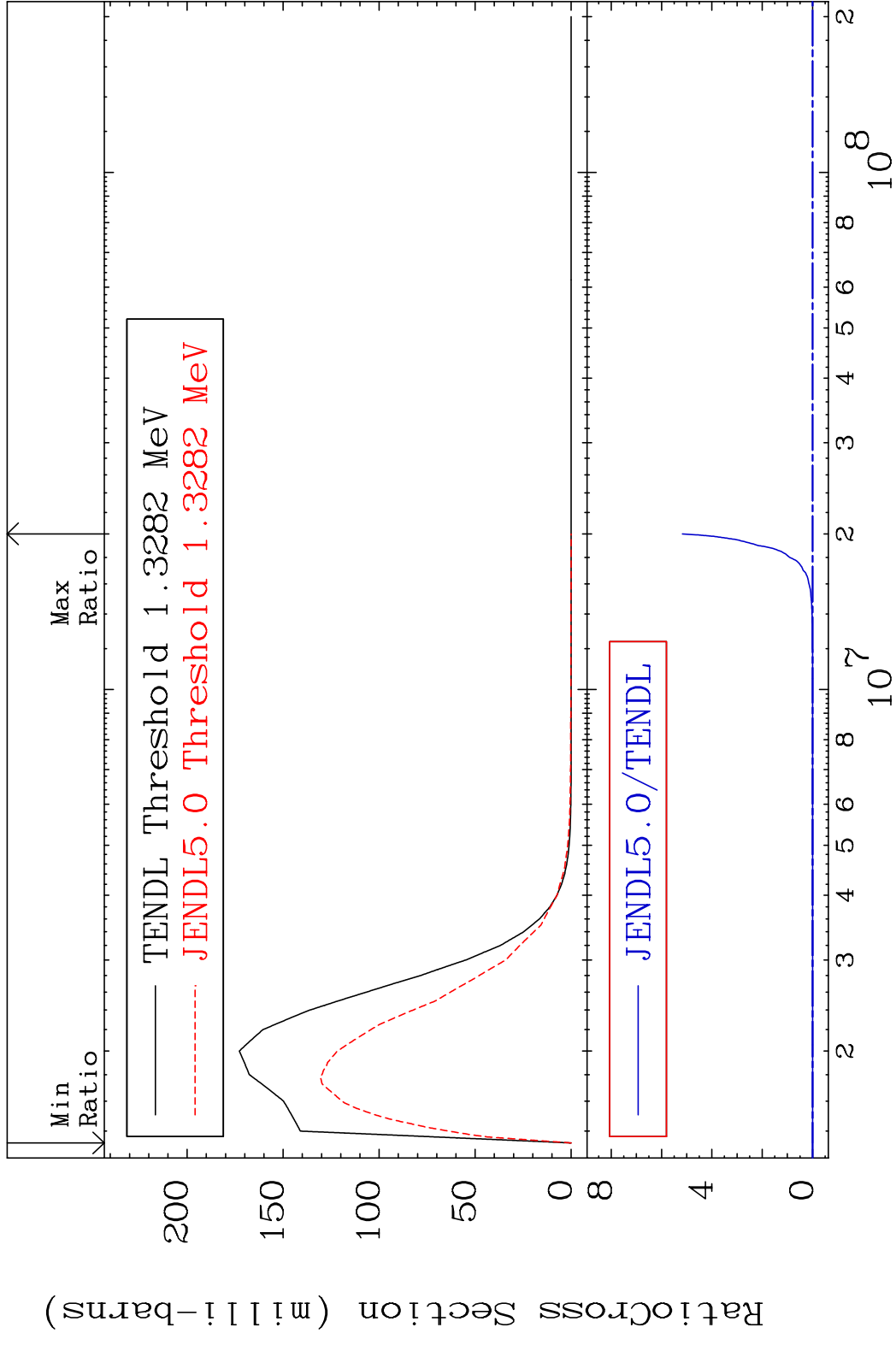
MAT 6437 MT= 62 (n,n') Level 64-Gd-156
 Cross Section -100.0 To 30.34 %



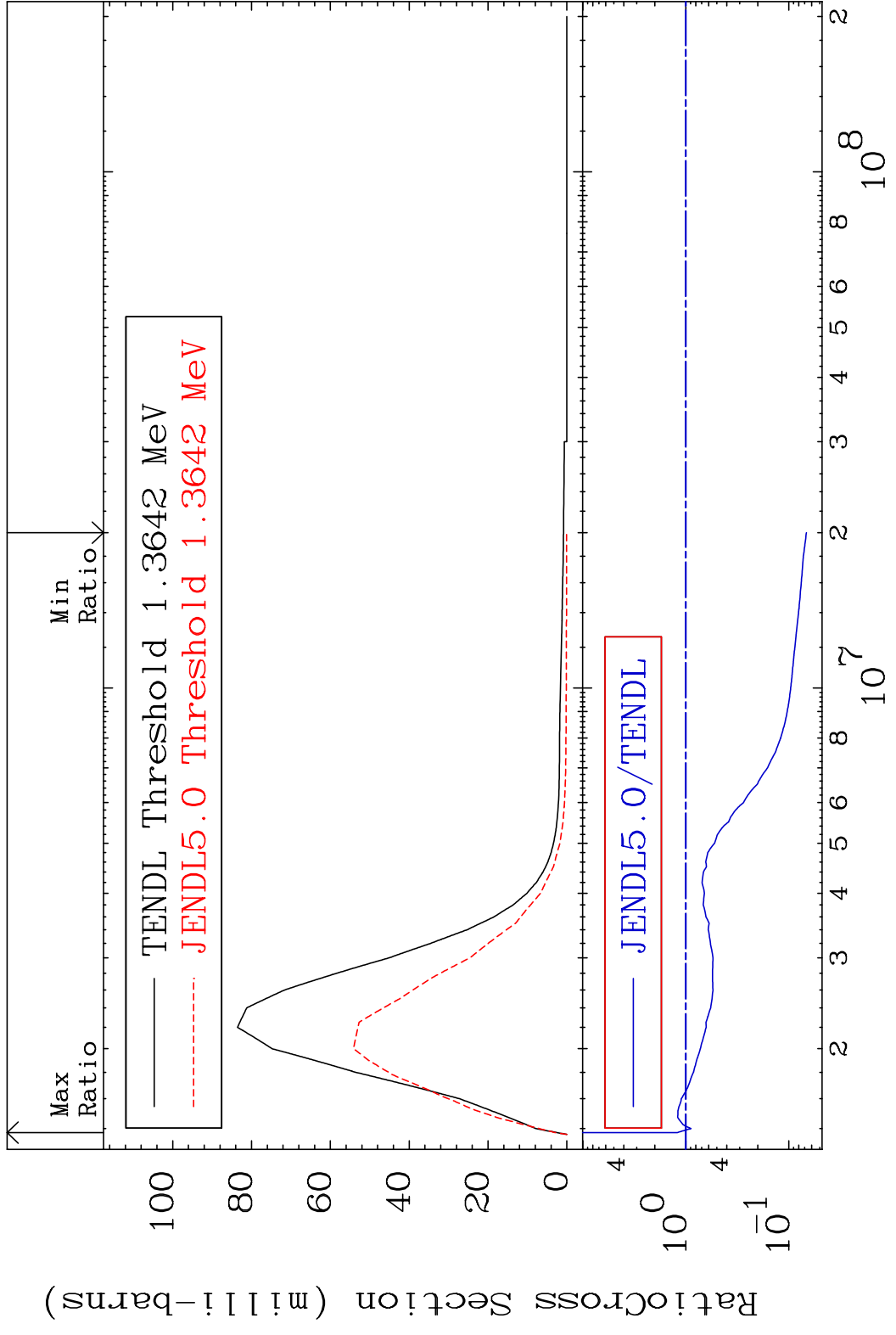
MAT 6437 MT= 63 (n,n') Level 64-Gd-156
 Cross Section -100.0 To 77.18 %



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 21.32 %

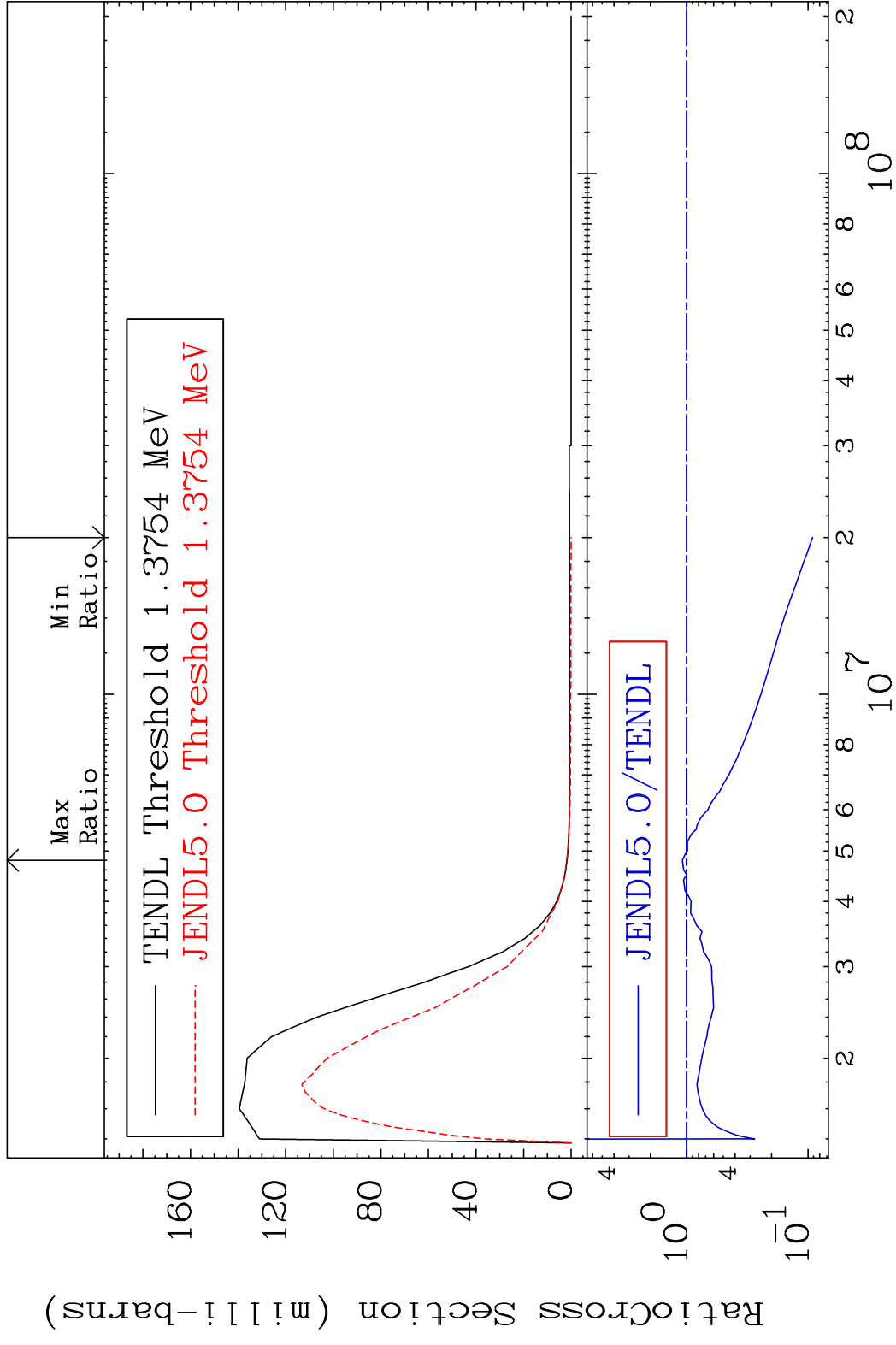


MAT 6437

MT= 66 (n, n') Level

64-Gd-156

Cross Section -90.83 To 8.875 %

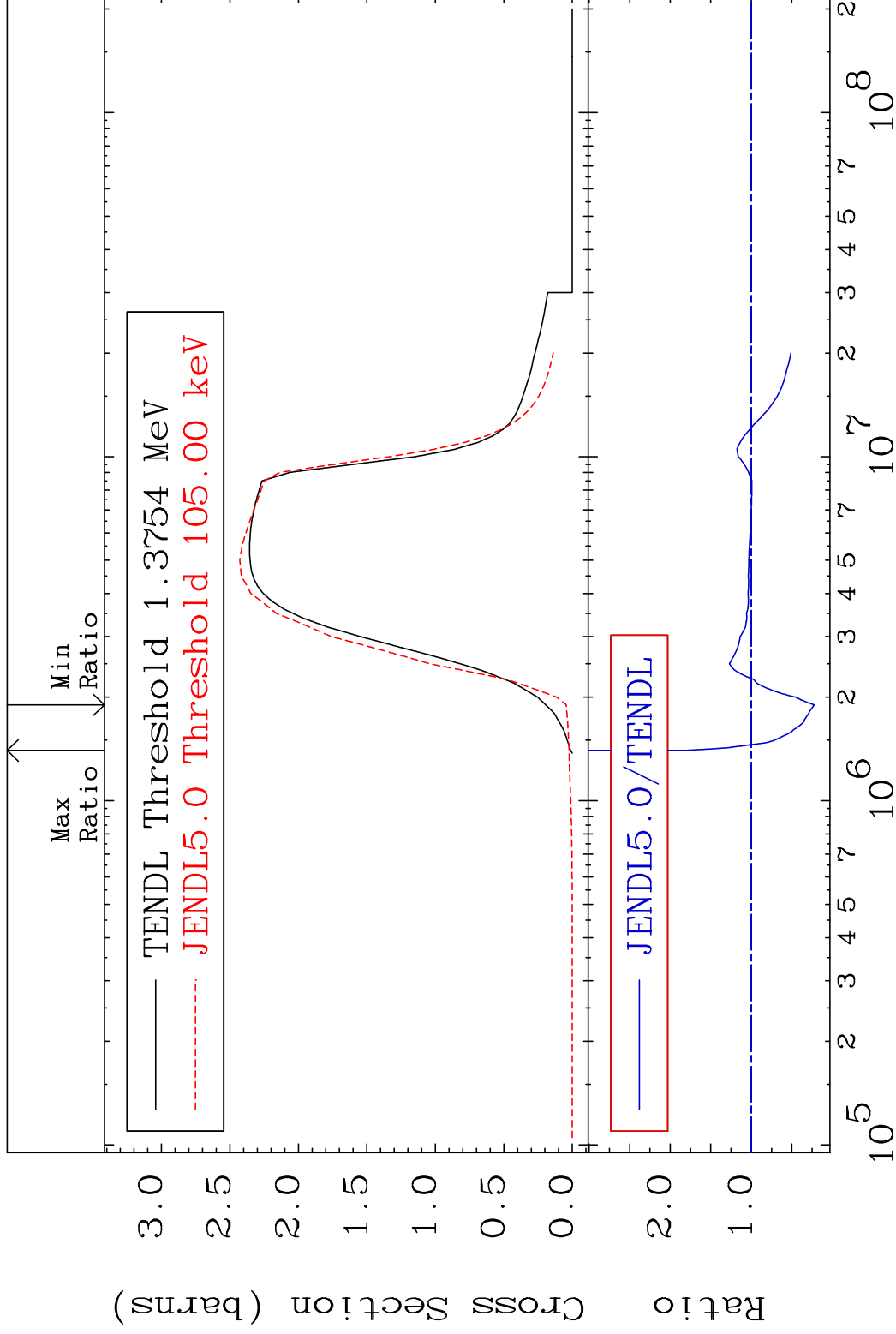


MAT 6437

(n, n') Continuum

64-Gd-156

Cross Section -77.44 To 83.42 %



26

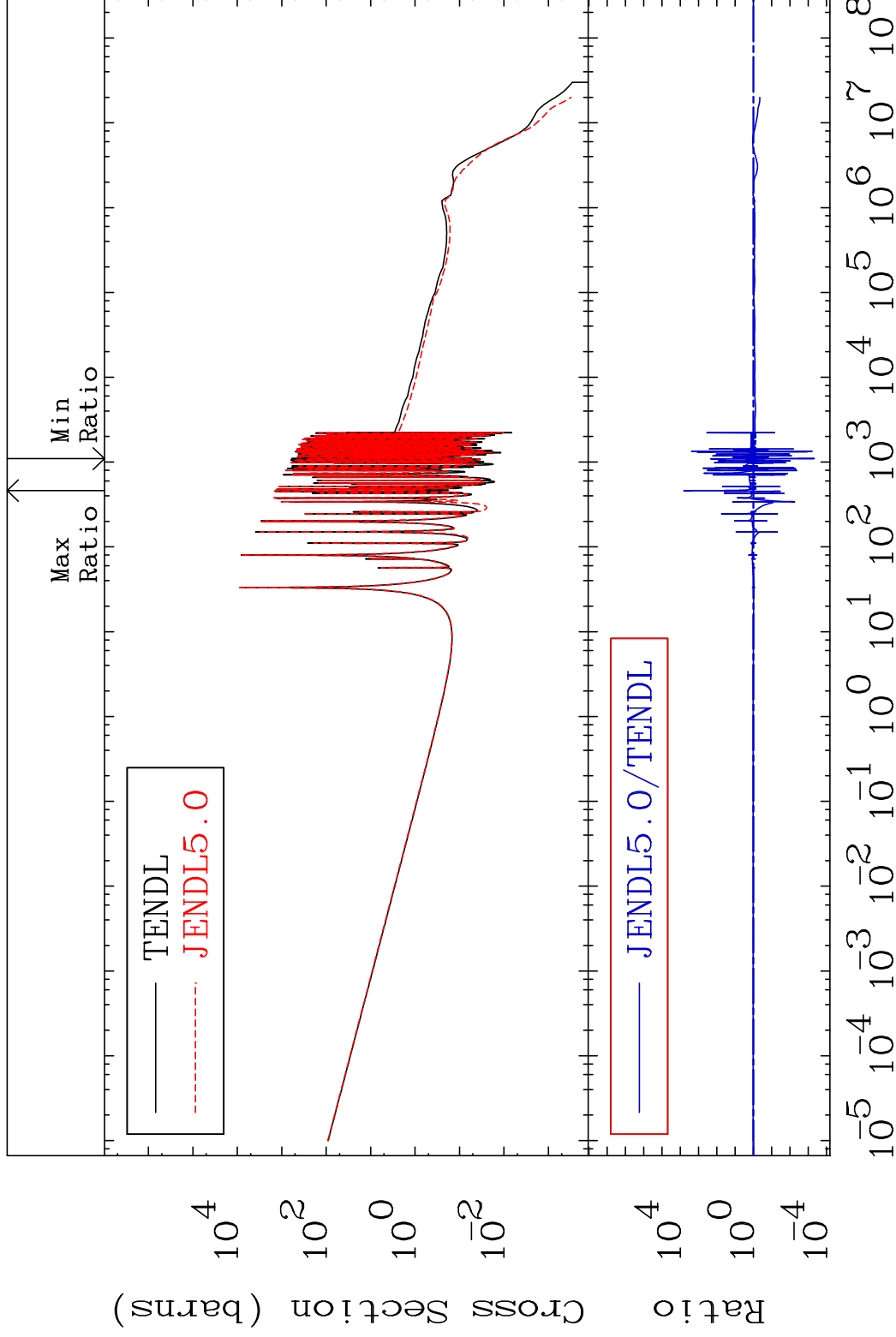
Incident Energy (eV)

64-Gd-156

MAT 6437

(n, γ)
Cross Section -99.95 To 9999. %

64-Gd-156



27

Incident Energy (eV)

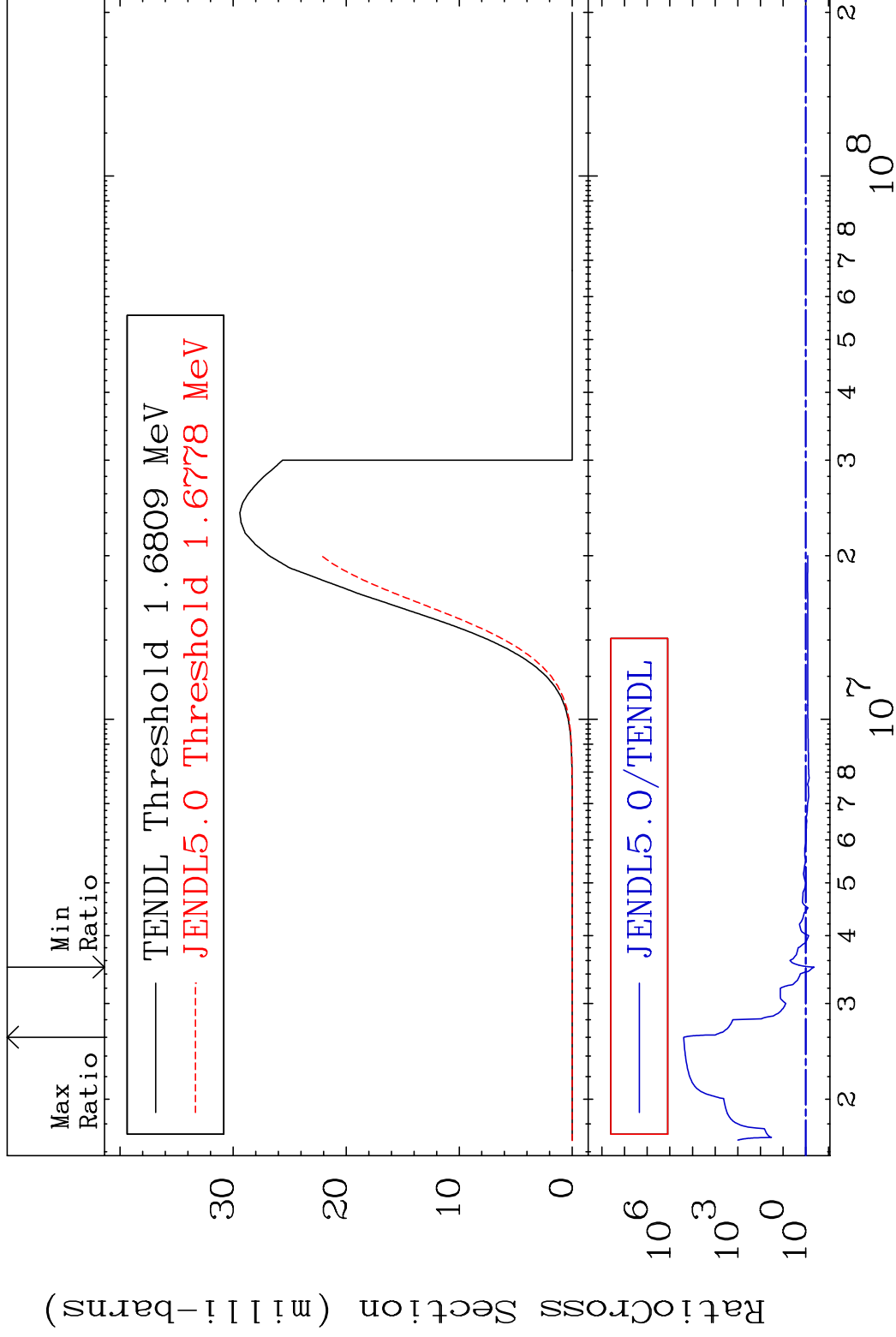
64-Gd-156

MAT 6437

(n,p)

64-Gd-156

Cross Section -57.04 To 9999. %



28

Incident Energy (eV)

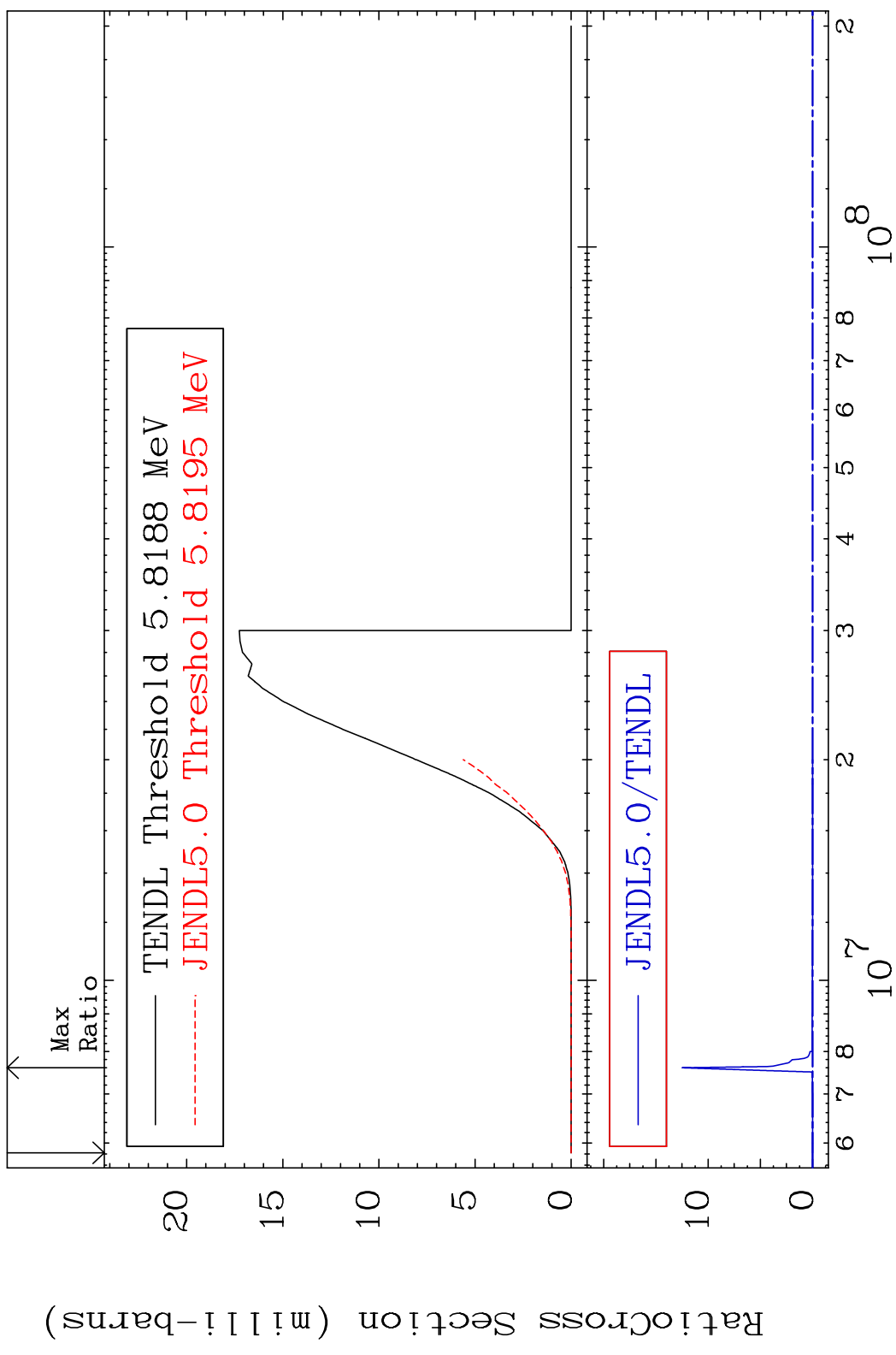
64-Gd-156

MAT 6437

(n,d)

64-Gd-156

Cross Section -100.0 To 9999. %



29

Incident Energy (eV)

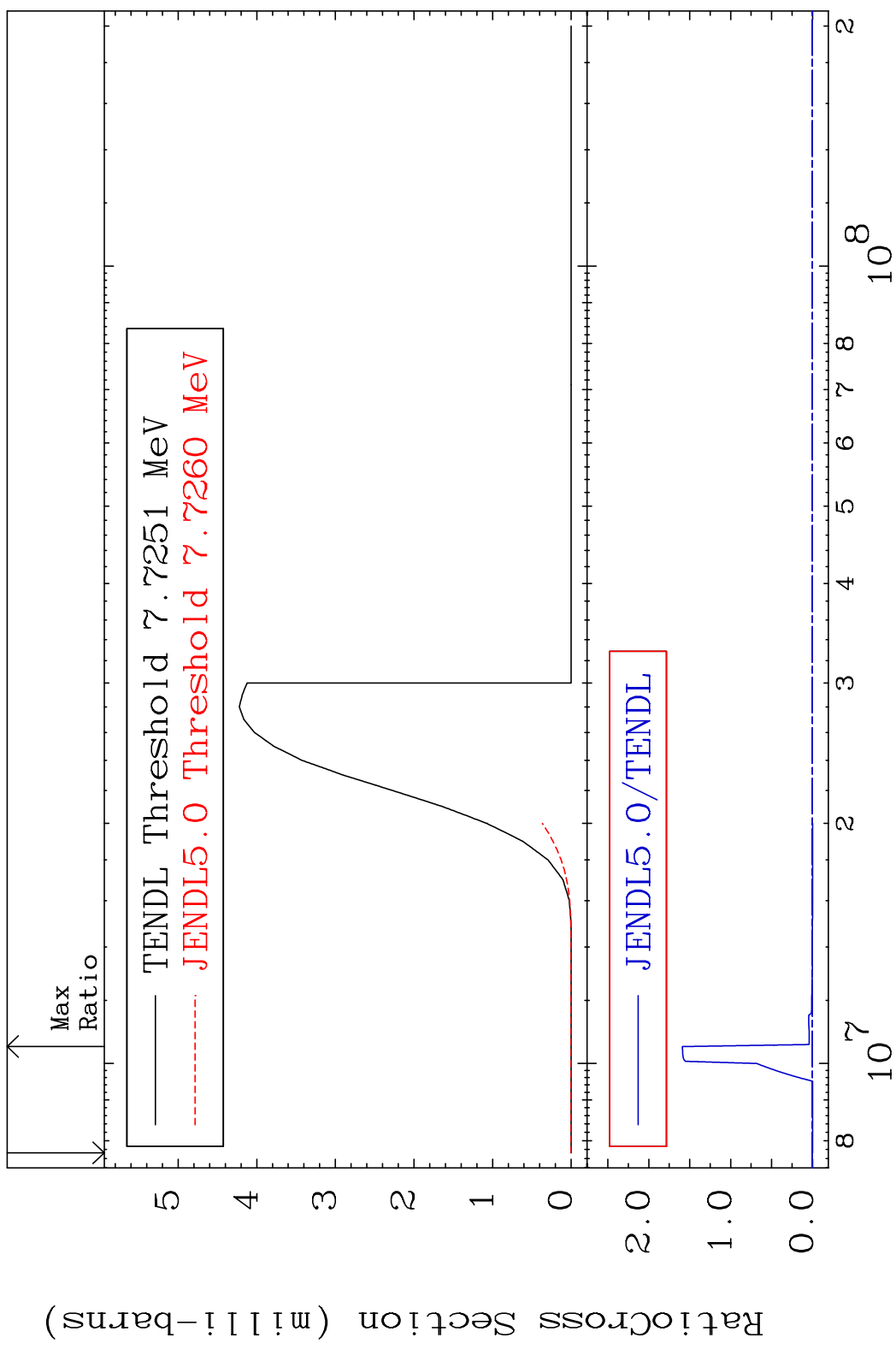
64-Gd-156

MAT 6437

(n, t)

64-Gd-156

Cross Section -100.0 To 9999. %



30

Incident Energy (eV)

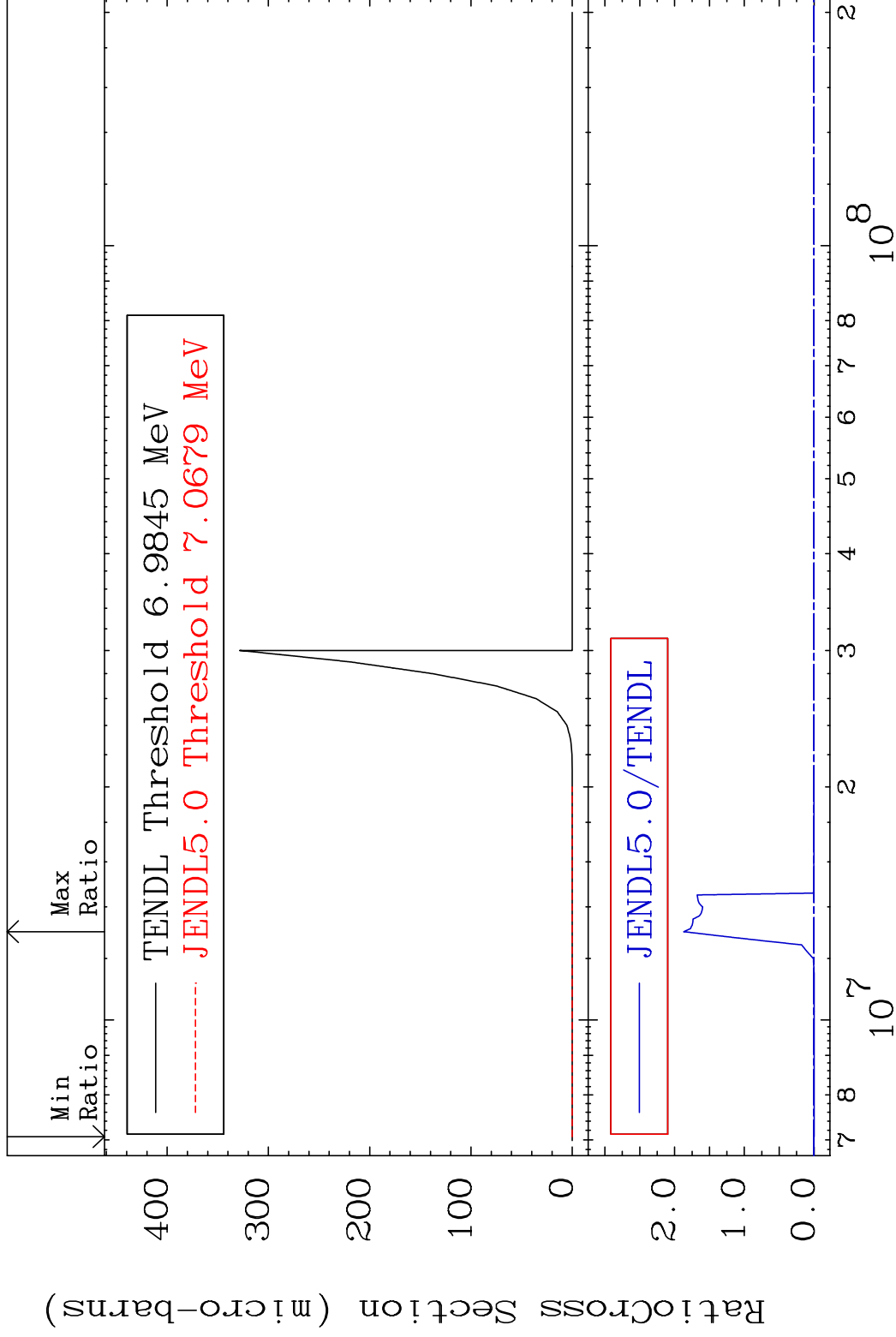
64-Gd-156

MAT 6437

(n, He-3)

64-Gd-156

Cross Section -100.0 To 9999. %



31

Incident Energy (eV)

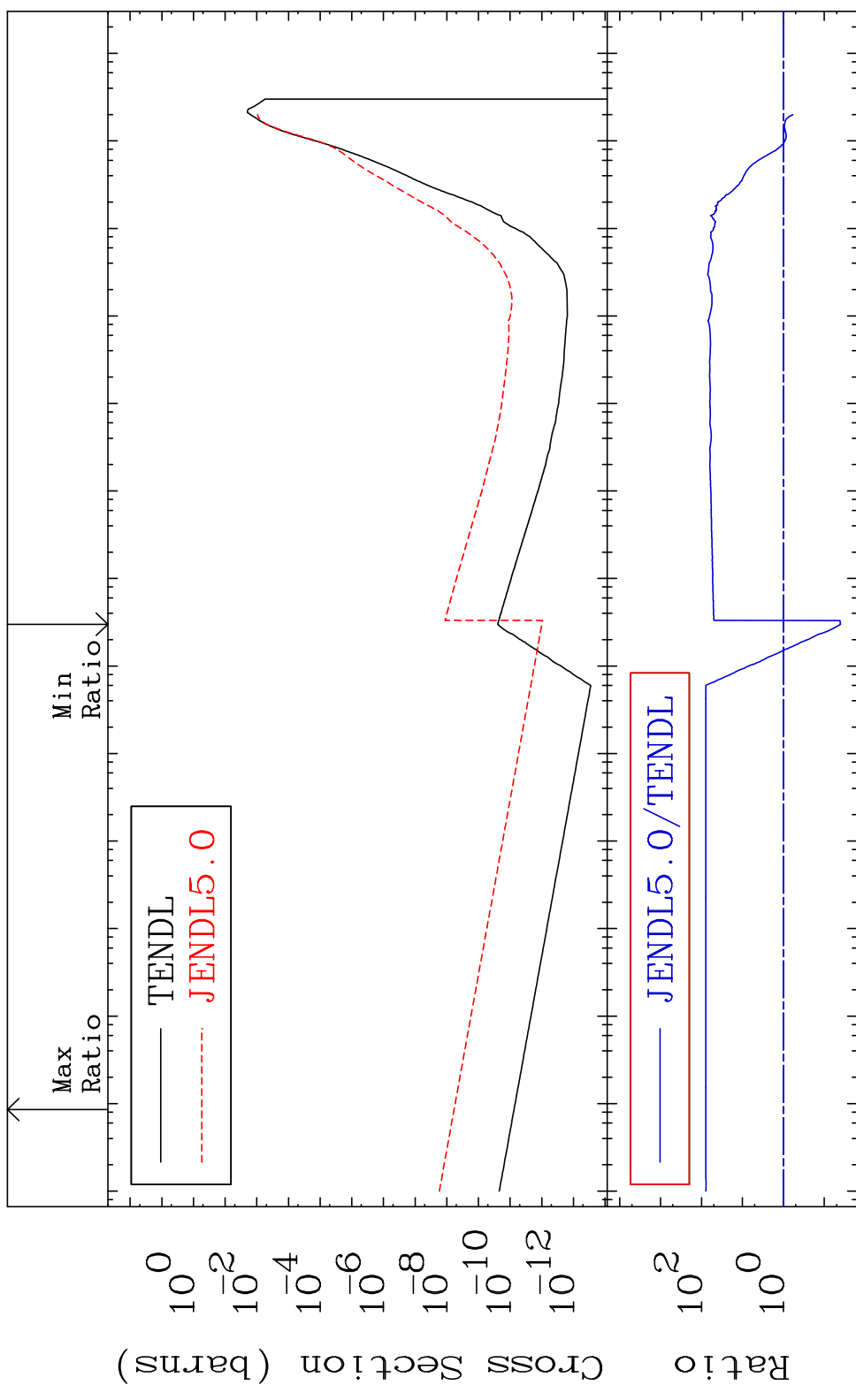
64-Gd-156

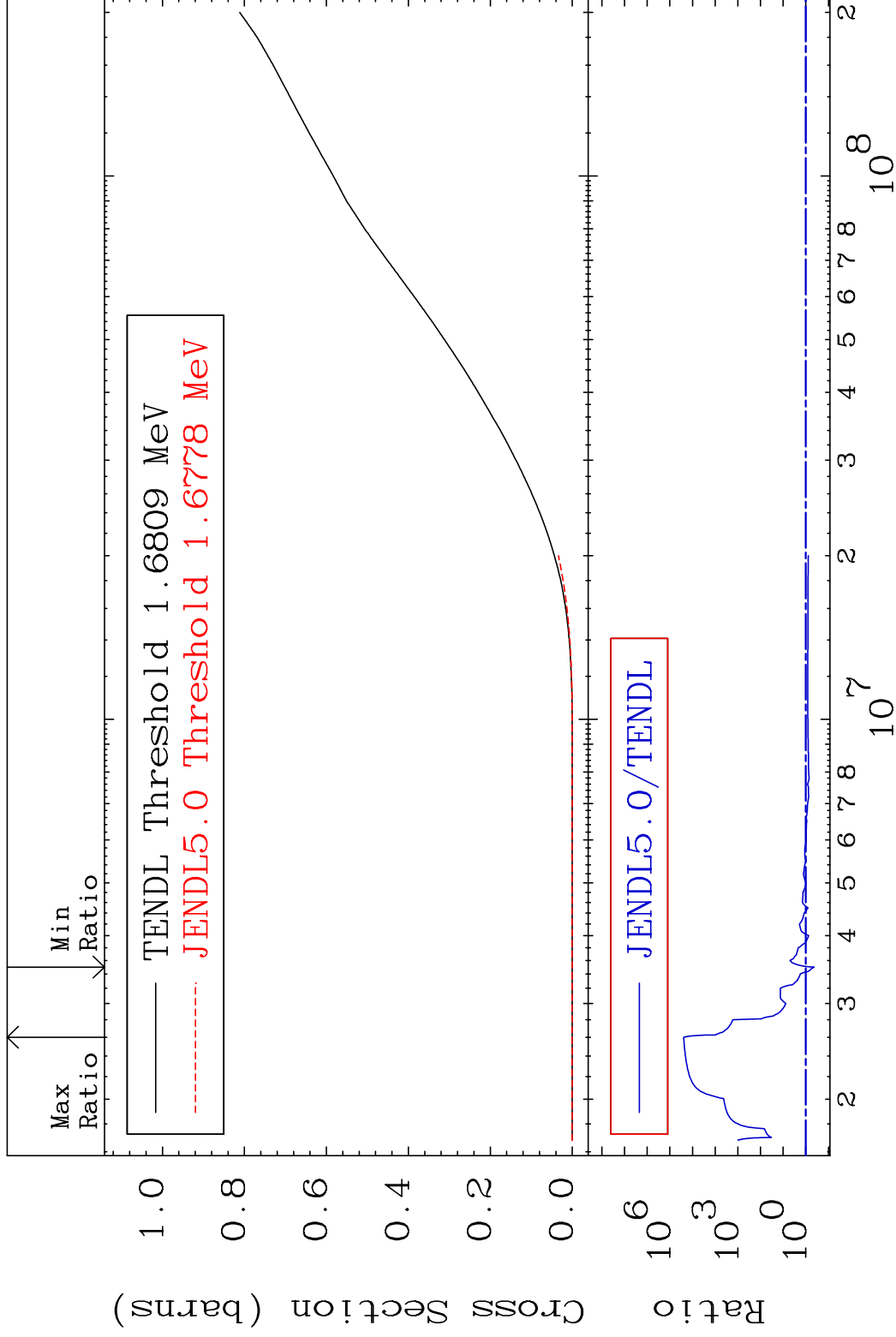
MAT 6437

(n, α)

64-Gd-156

Cross Section -95.97 To 7754. %



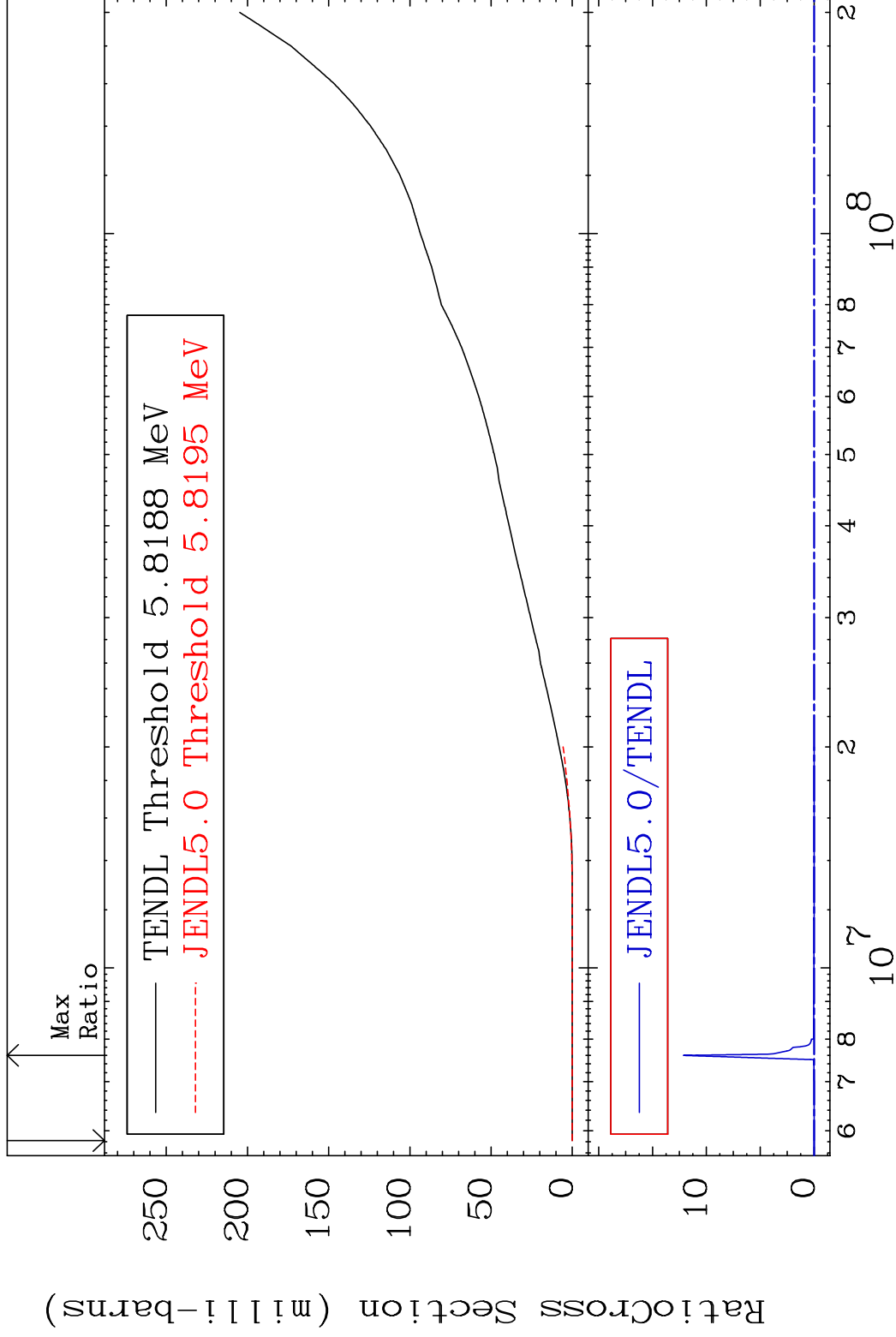


MAT 6437

Deuterium Production

64-Gd-156

Cross Section -100.0 To 9999. %



34

Incident Energy (eV)

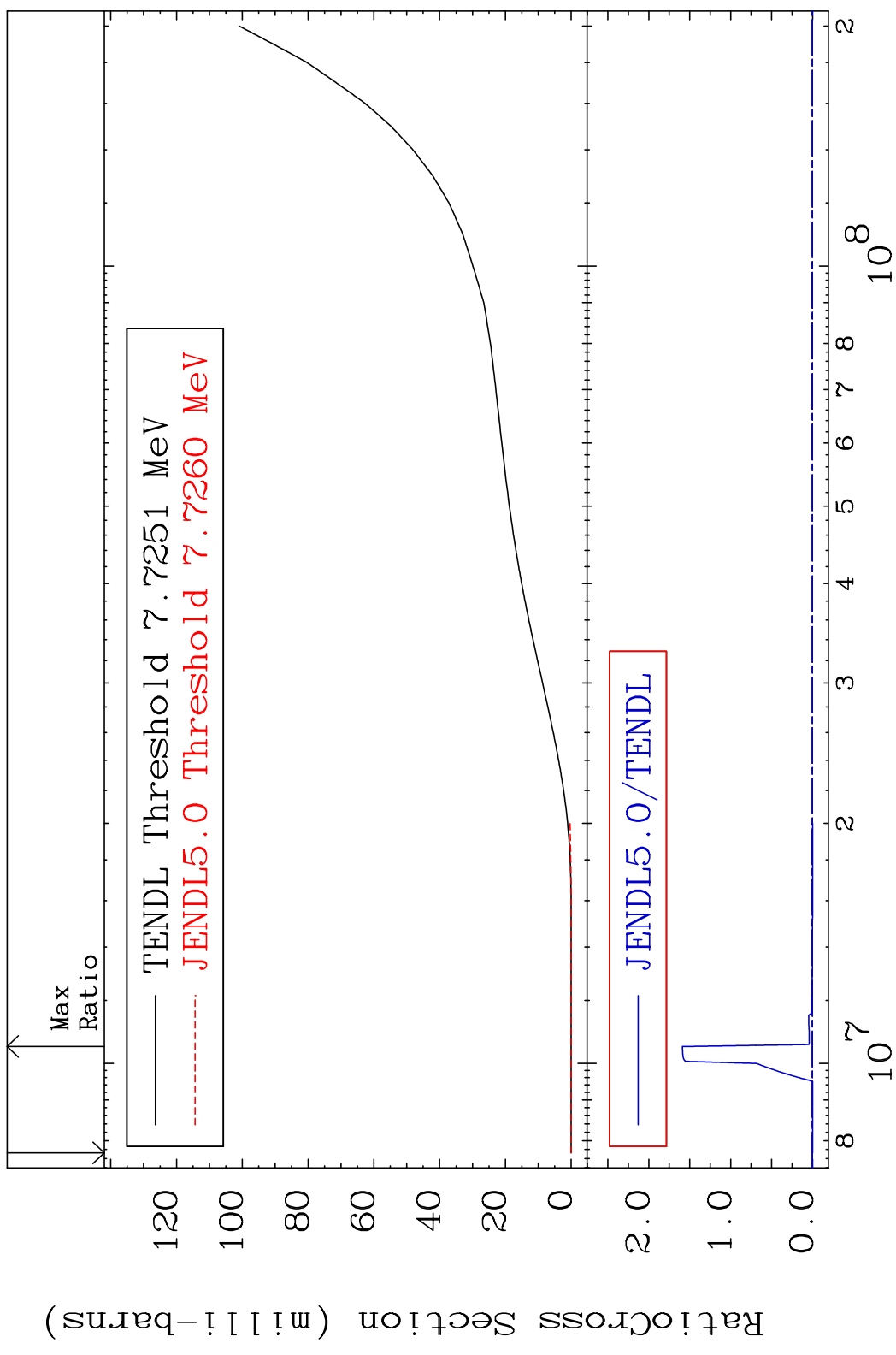
64-Gd-156

MAT 6437

Tritium Production

64-Gd-156

Cross Section -100.0 To 9999. %

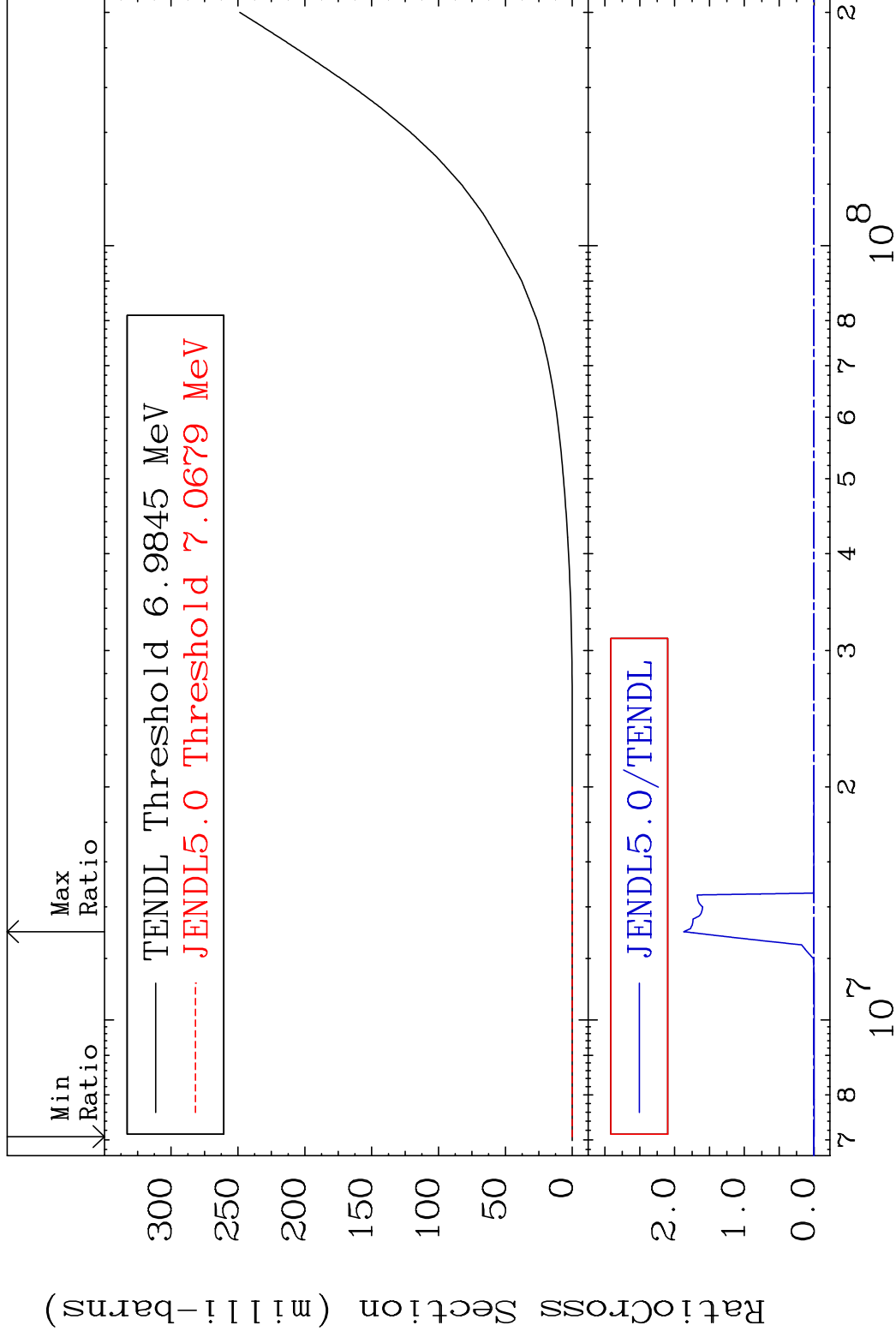


35

Incident Energy (eV)

64-Gd-156

Cross Section -100.0 To 9999. %

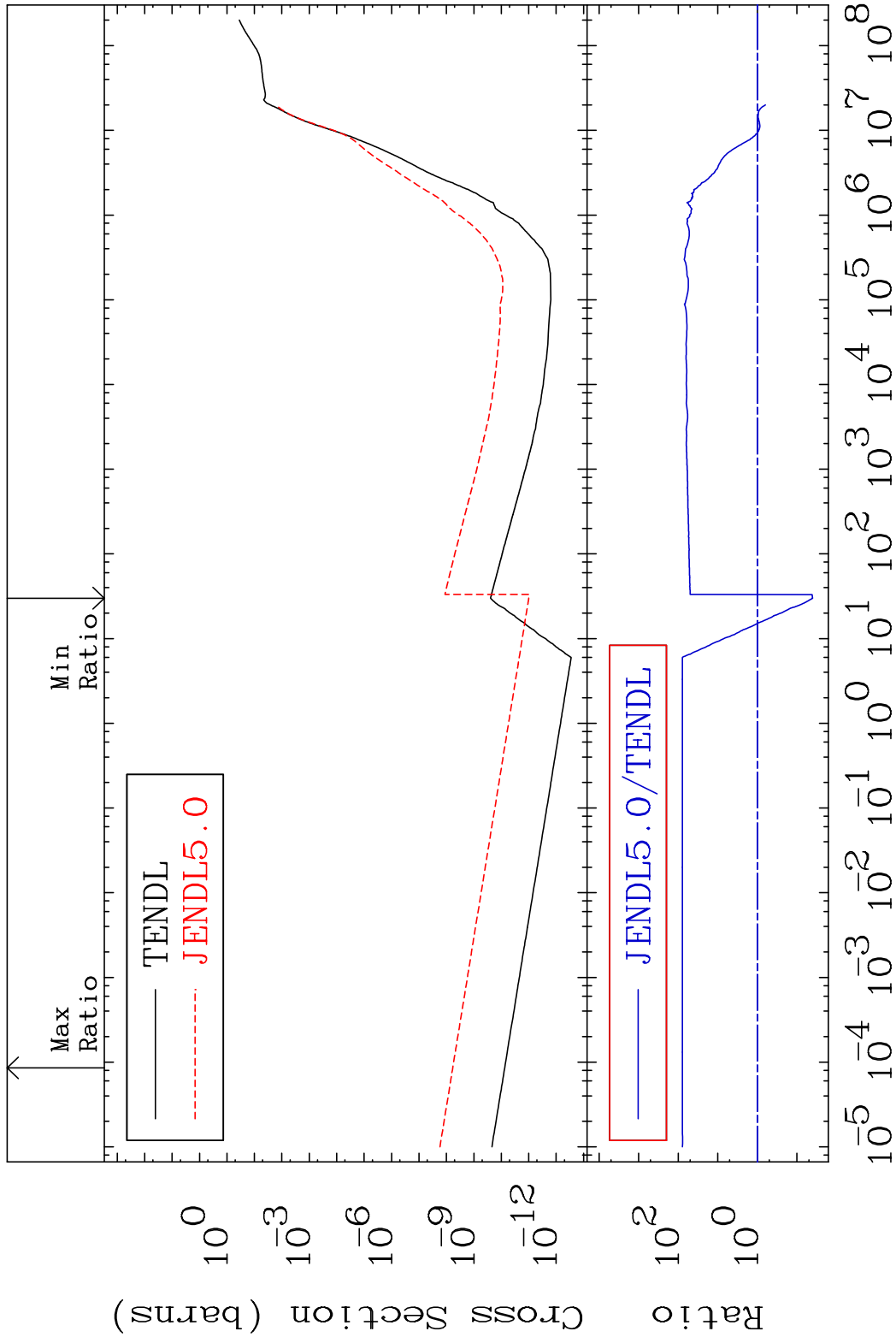


MAT 6437

He-4 Production

64-Gd-156

Cross Section -95.97 To 7754. %

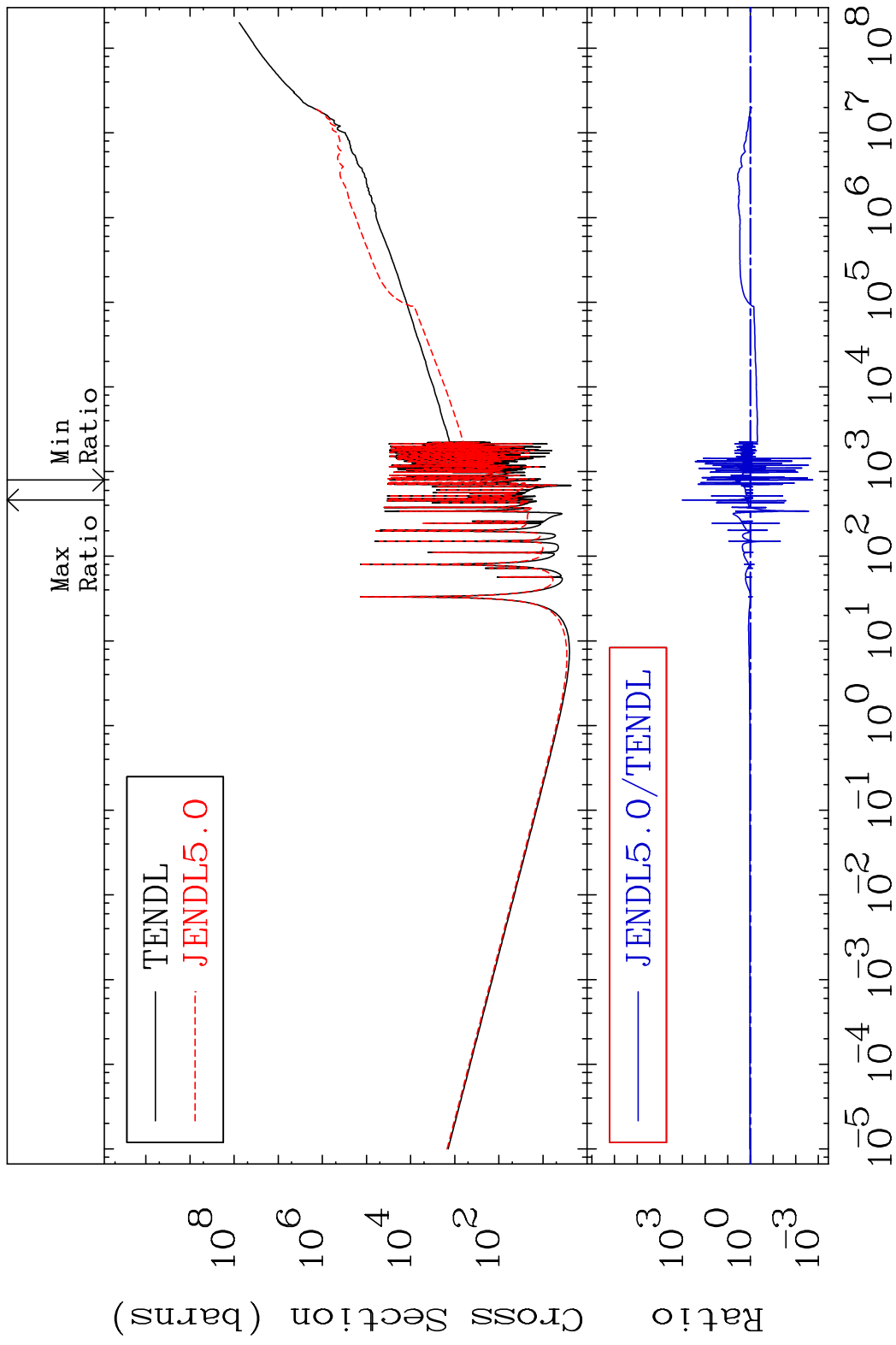


37

Incident Energy (eV)

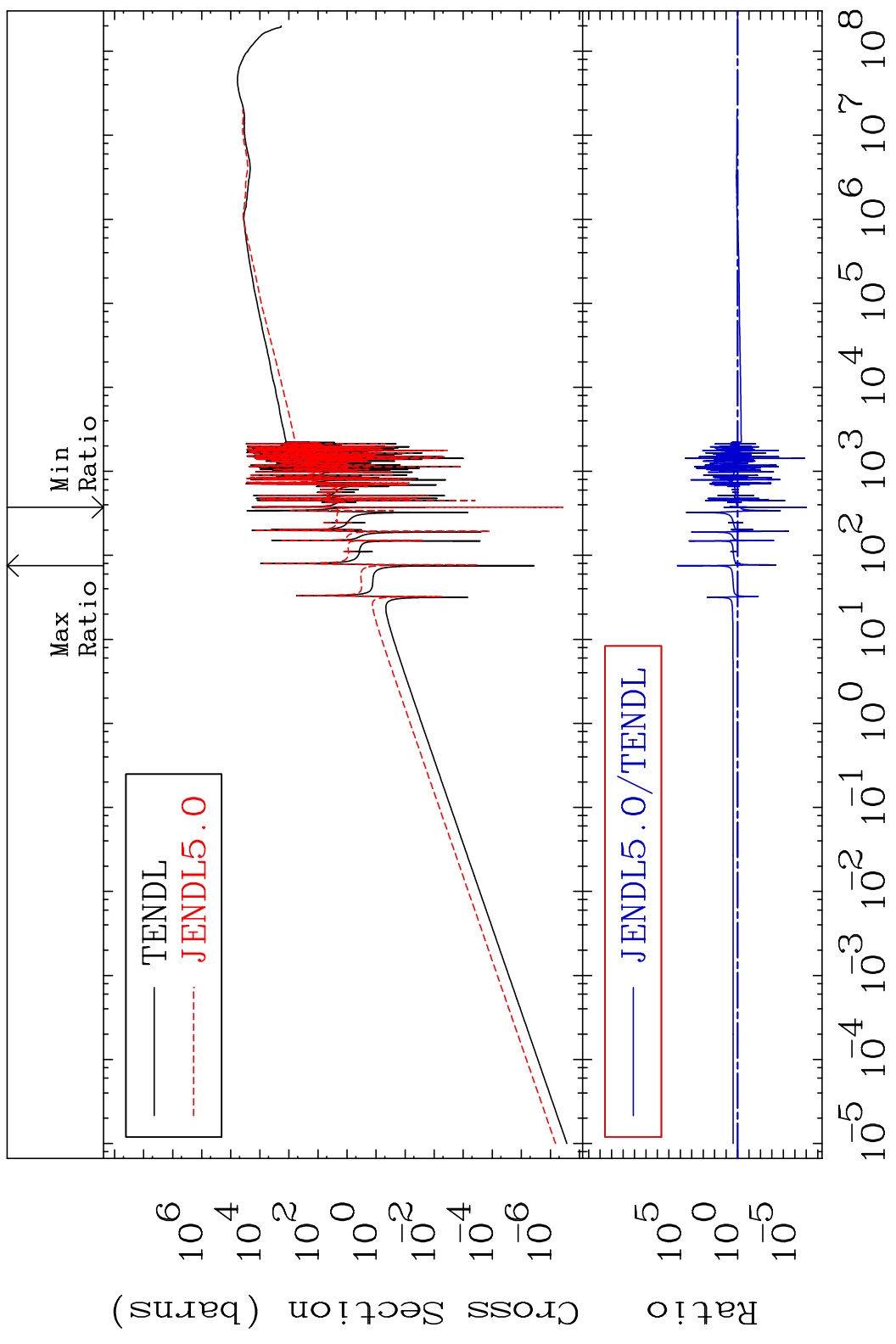
64-Gd-156

MAT 6437 Kerma total (eV-barns) 64-Gd-156
 Cross Section -99.82 To 9999. %

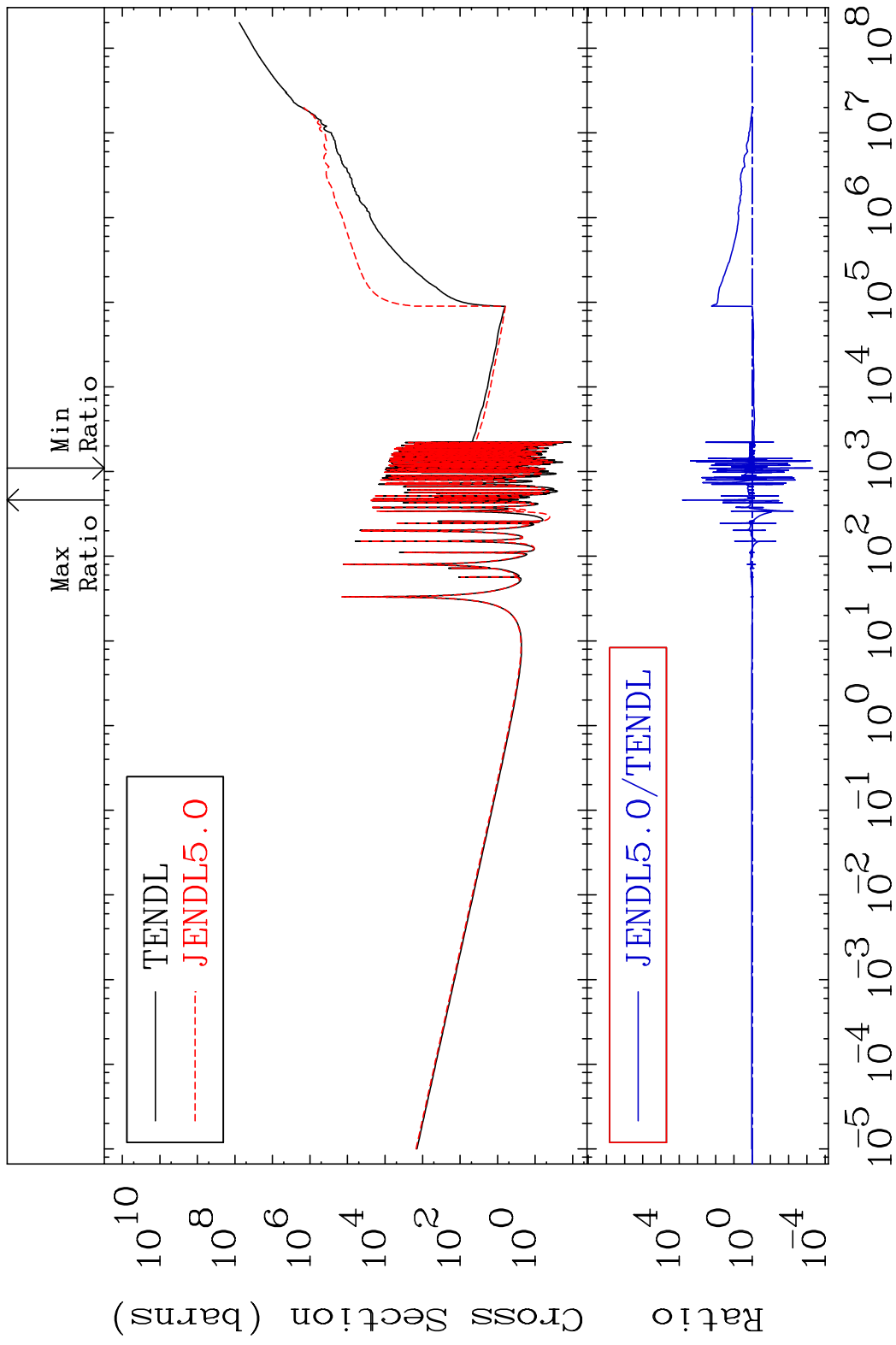


MAT 6437

Kerma elastic Cross Section -100.0 To 9999. %
64-Gd-156

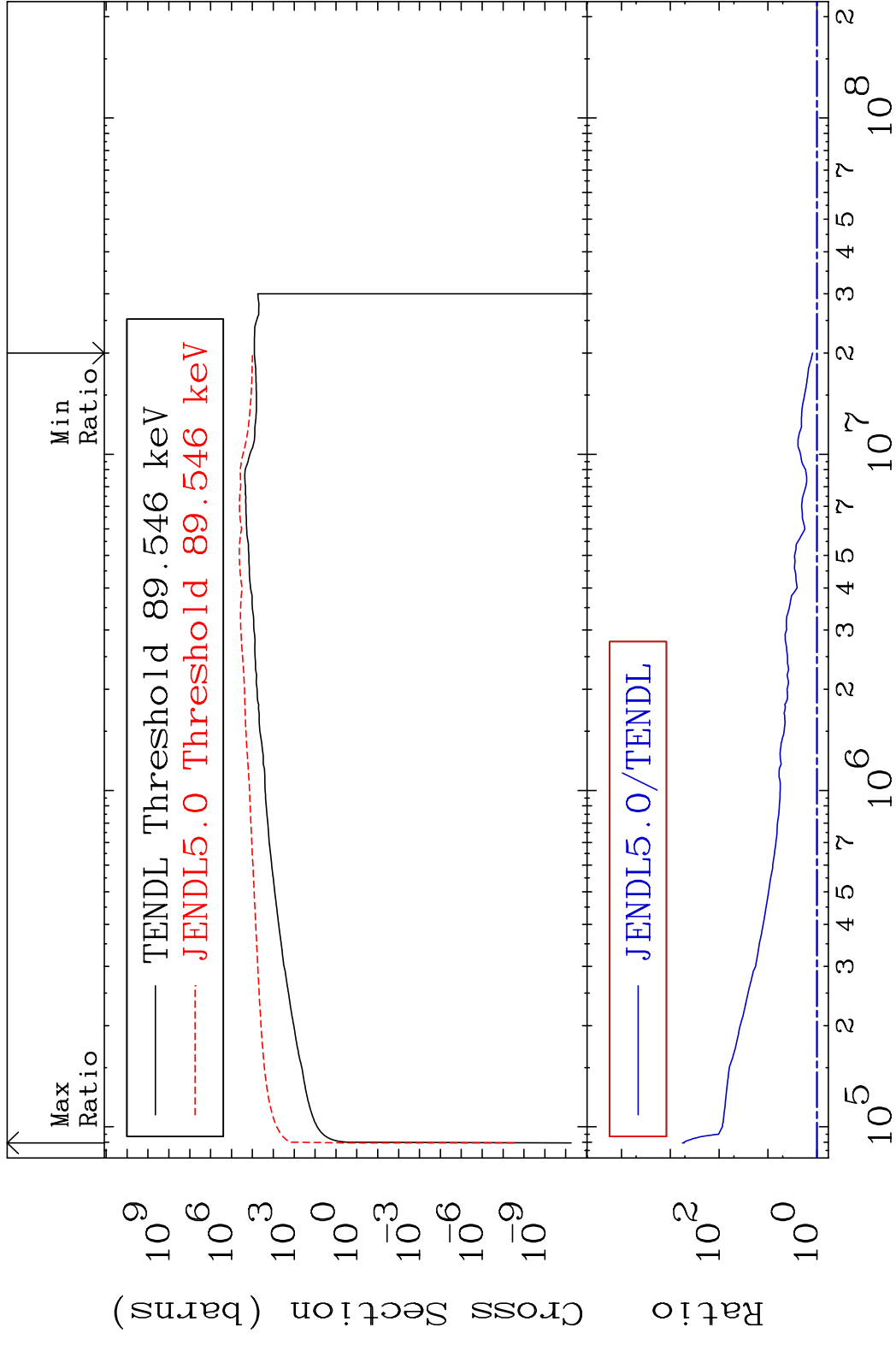


MAT 6437 Kerma non-elastic (all but mt2) 64-Gd-156
Cross Section -99.95 To 9999. %

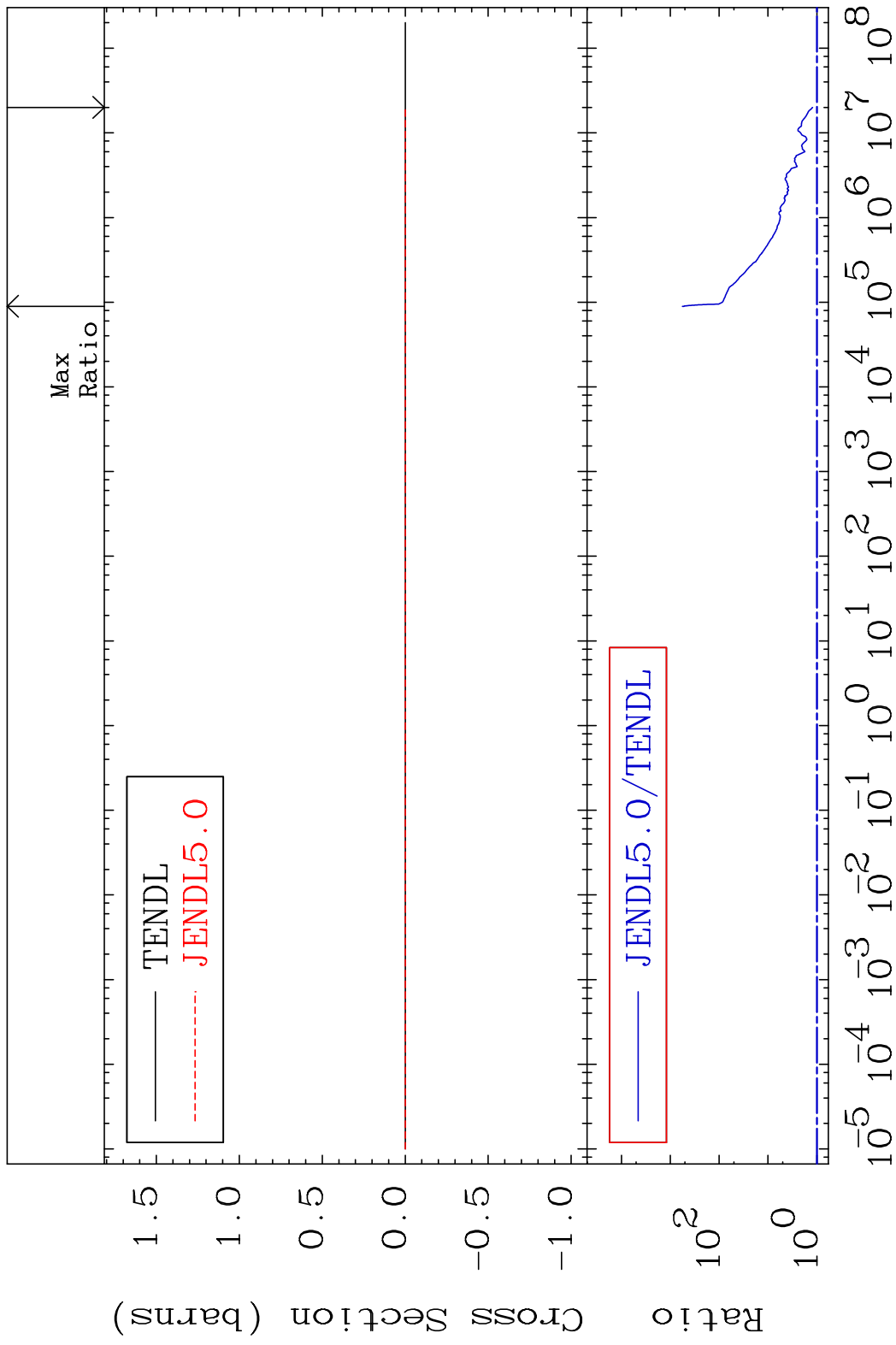


40 Incident Energy (eV) 64-Gd-156

MAT 6437 Kerma inelastic (mt51-91) 64-Gd-156
 Cross Section 22.64 To 9999. %

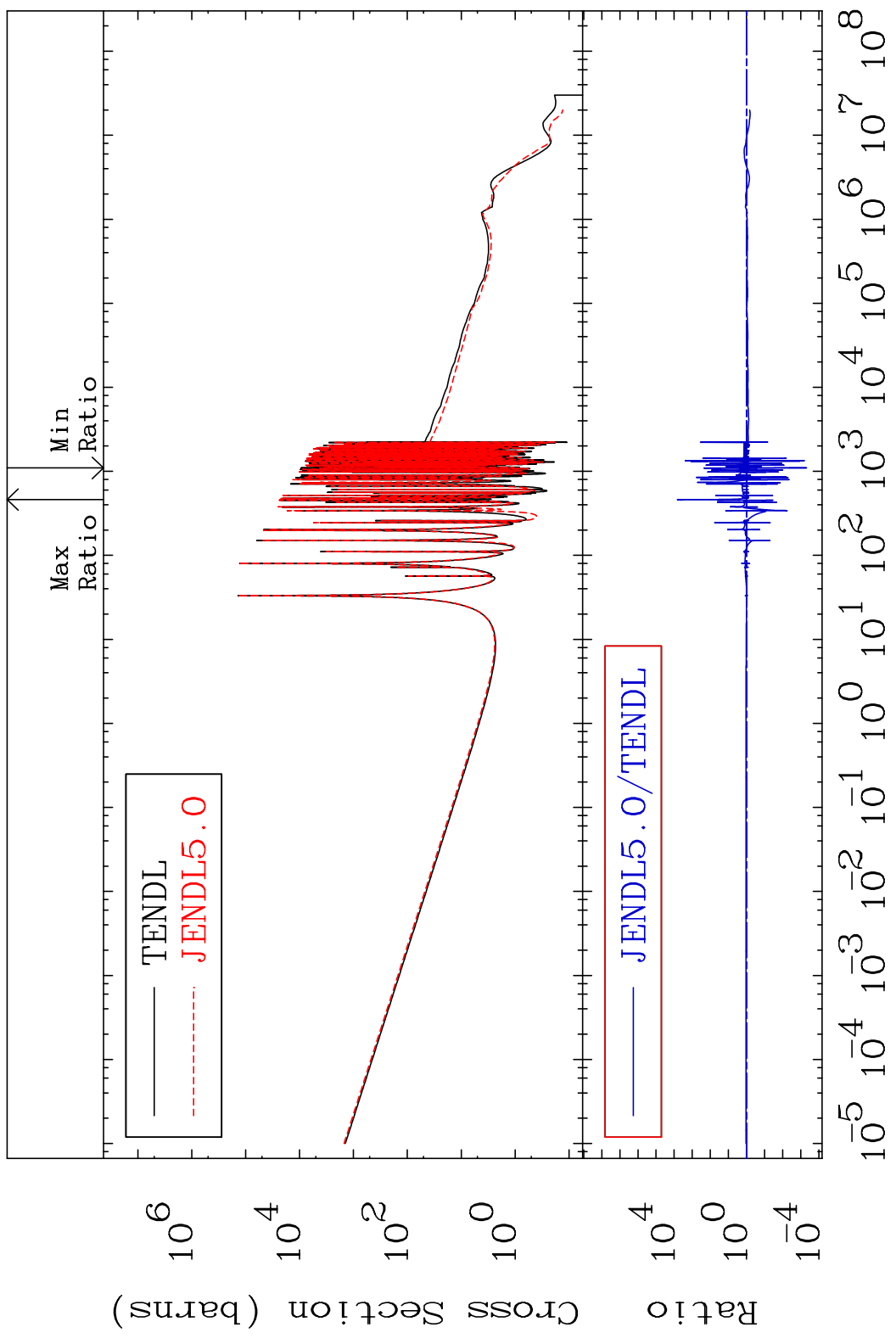


MAT 6437 Kerma fission (mt18 or mt19-20-21-38) 64-Gd-156
 Cross Section 22.64 To 9999. %



MAT 6437

Kerma capture (mt102) 64-Gd-156
Cross Section -99.95 To 9999. %

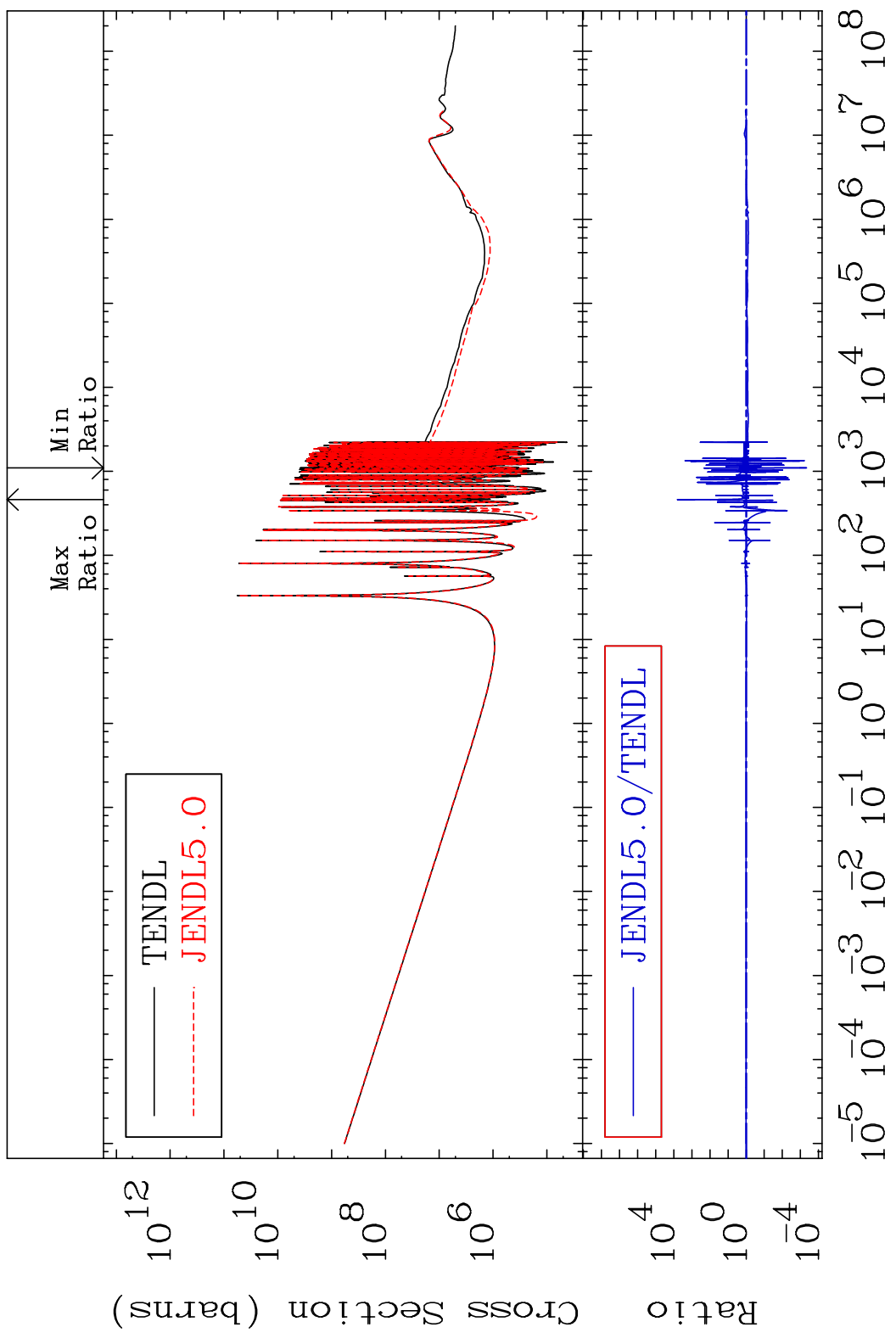


43

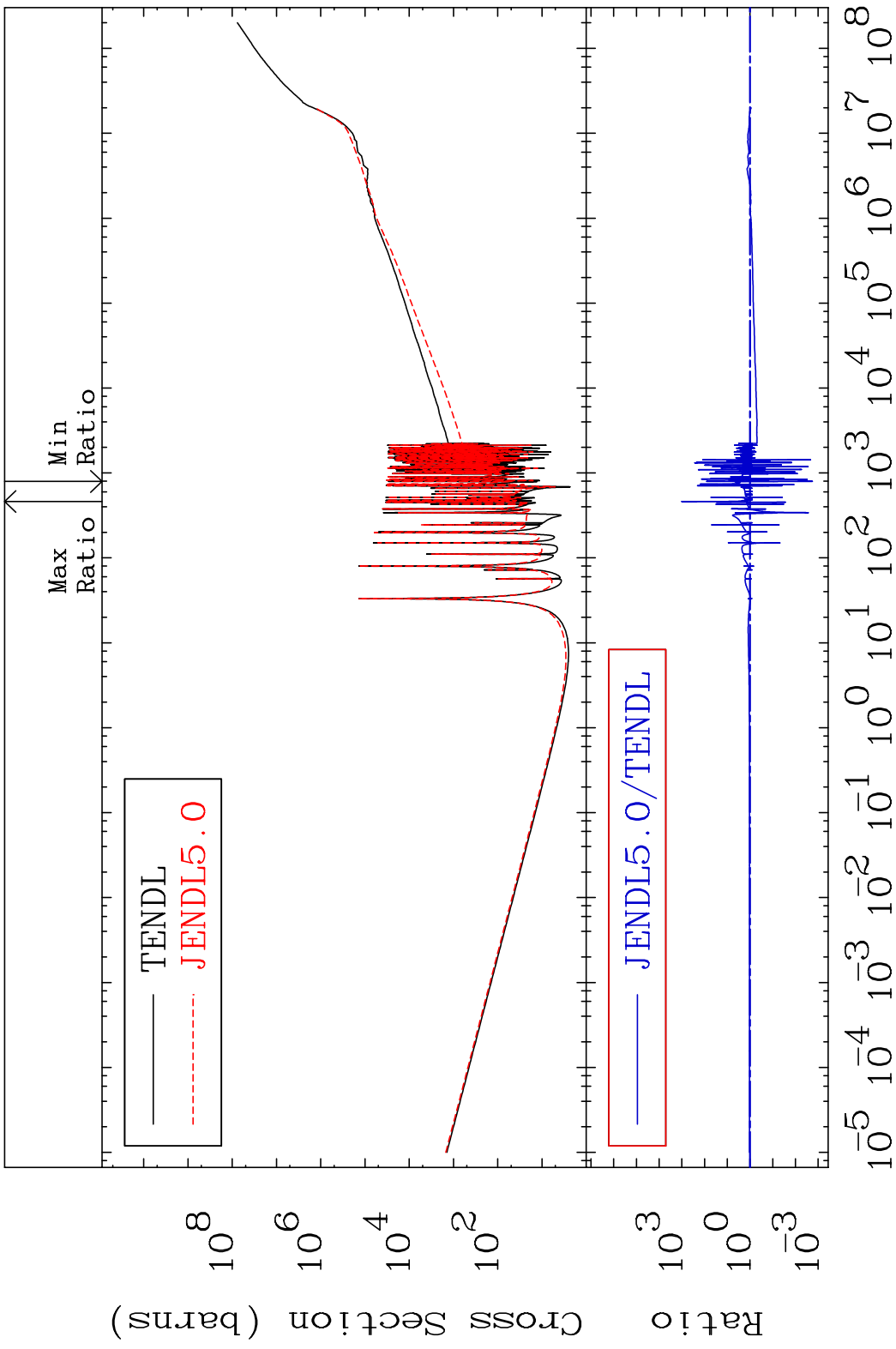
Incident Energy (eV) 64-Gd-156

MAT 6437

Total photon (eV-barns) 64-Gd-156
Cross Section -99.95 To 9999. %



MAT 6437 Total kinematic kerma (high limit) 64-Gd-156
Cross Section -99.82 To 9999. %

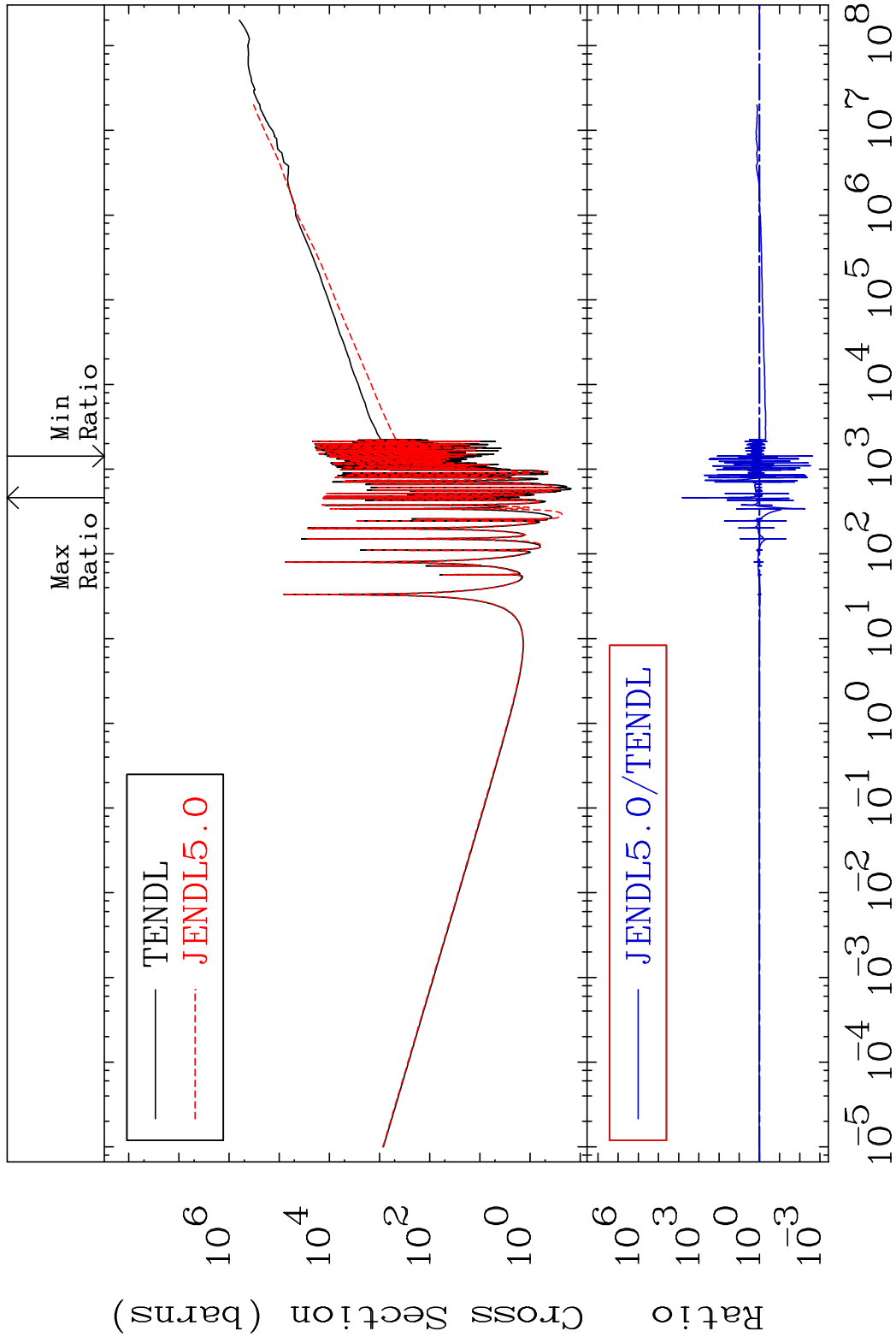


MAT 6437

Dpa total (eV-barns)

64-Gd-156

Cross Section -99.777 To 9999. %



46

Incident Energy (eV)

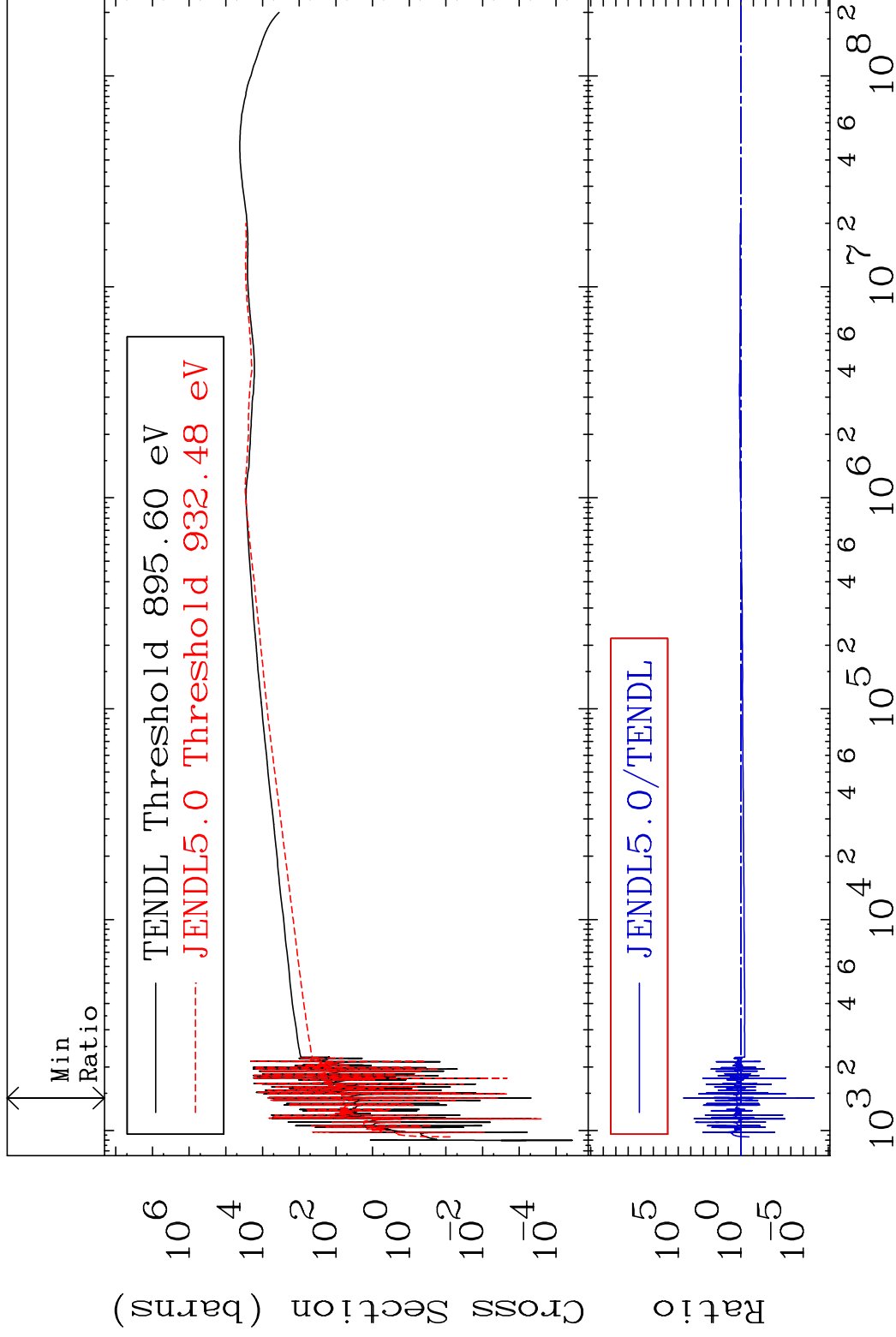
64-Gd-156

MAT 6437

Dpa elastic (mt2)

64-Gd-156

Cross Section -100.0 To 9999. %

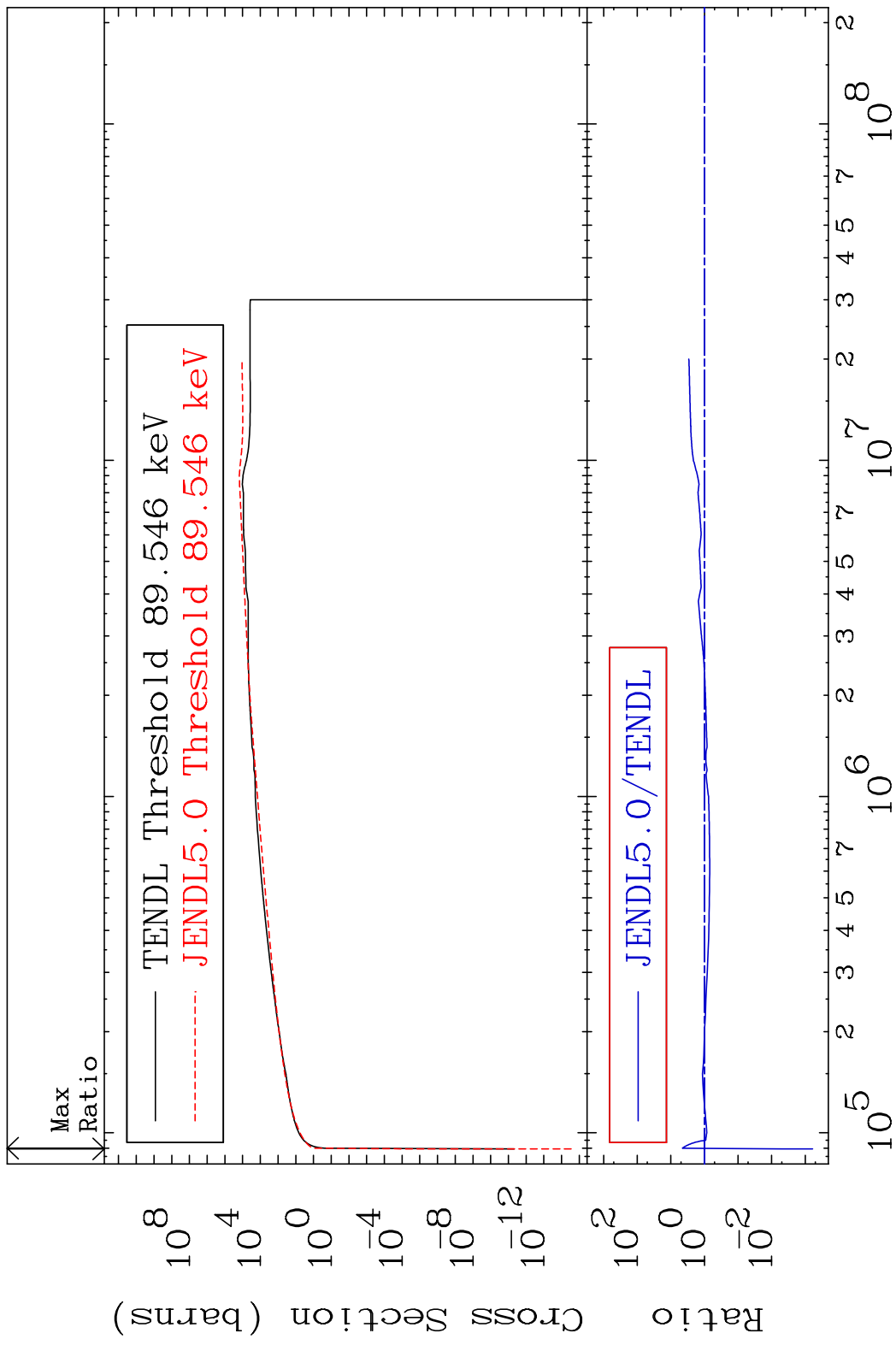


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Incident Energy (eV)

64-Gd-156

MAT 6437 Dpa inelastic (mt51-91) 64-Gd-156
 Cross Section -99.94 To 353.1 %



48 Incident Energy (eV) 64-Gd-156

MAT 6437 Dpa disappearance (mt102 -120) 64-Gd-156
 Cross Section -99.95 To 9999. %

