

Program Complot
(Version 2021-1)

by

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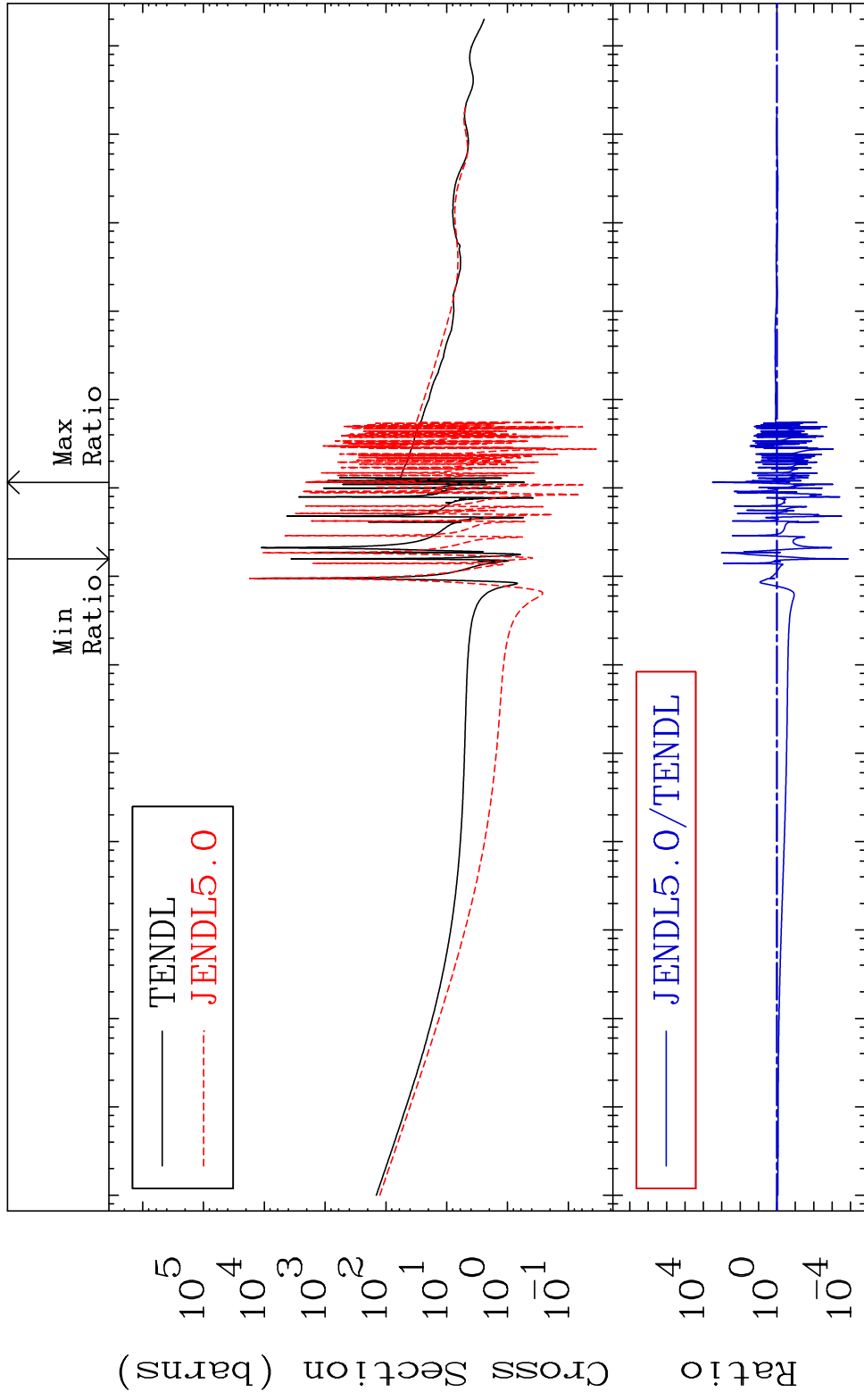
Press Mouse Button to Start

MAT 6237

Total

62-Sm-148

Cross Section -99.99 To 9999. %



1

Incident Energy (eV)

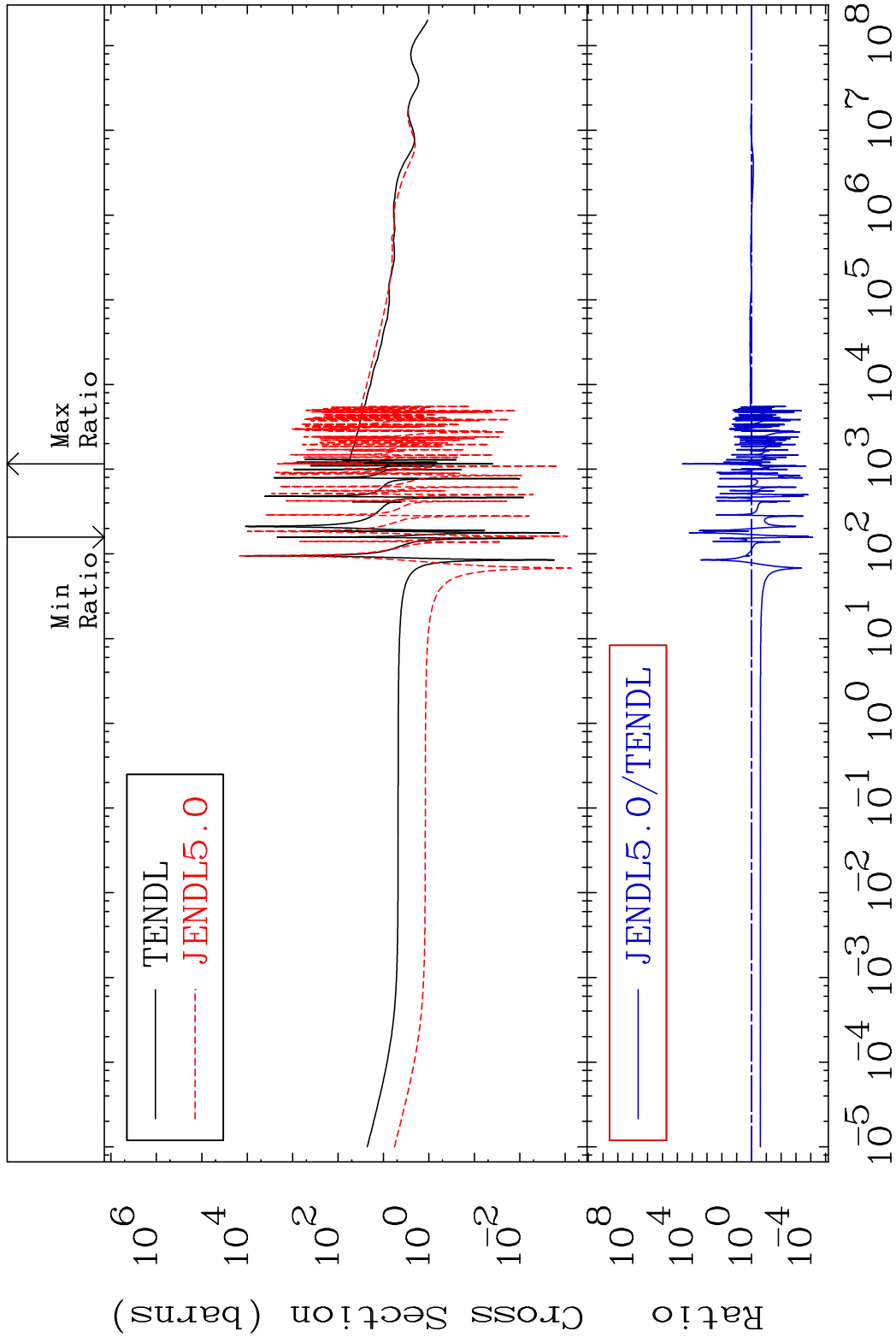
62-Sm-148

MAT 6237

Elastic

62-Sm-148

Cross Section -99.99 To 9999. %



2

Incident Energy (eV)

62-Sm-148

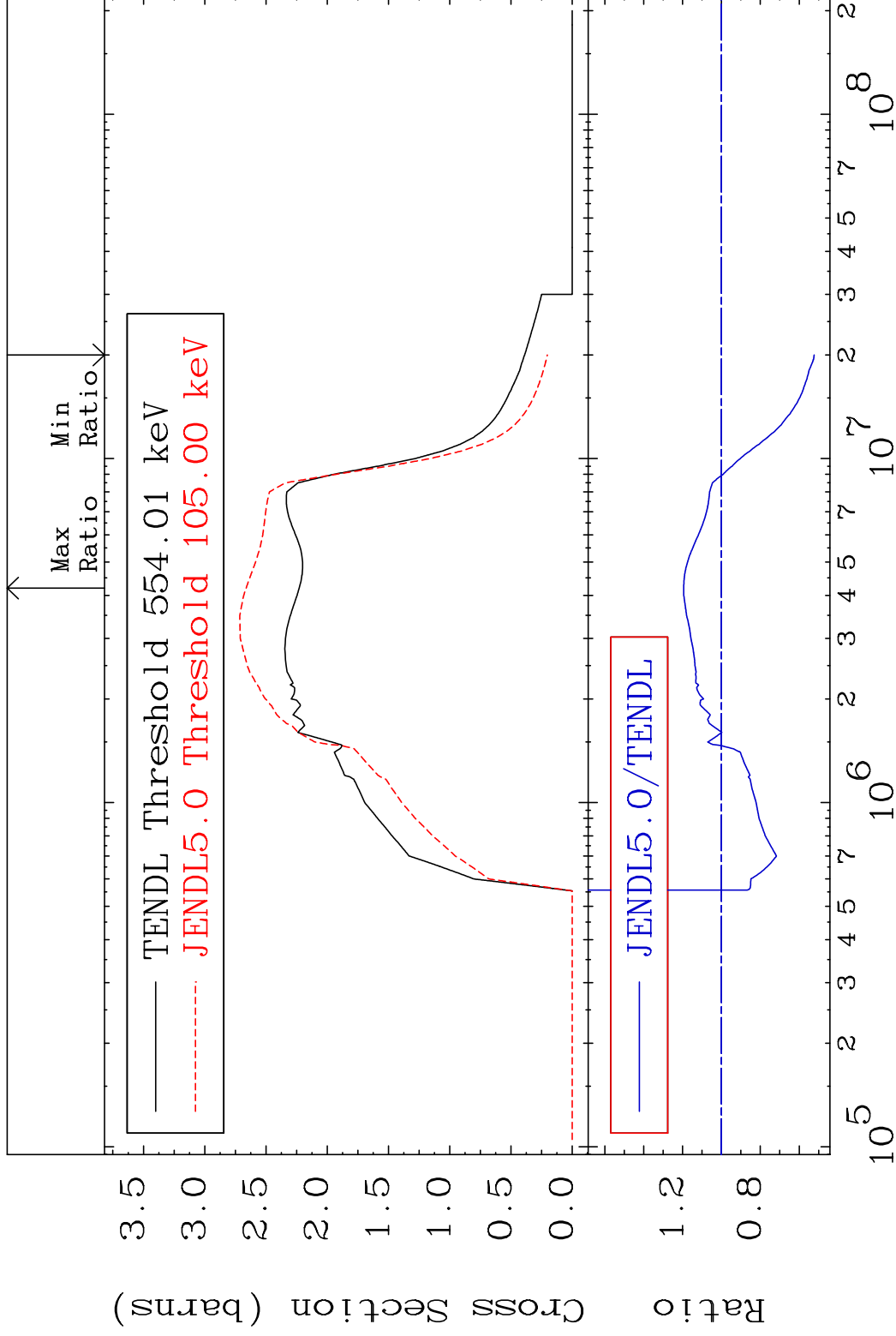
MAT 6237

Inelastic

62-Sm-148

Cross Section

-47.67 To 19.45 %



3

Incident Energy (eV)

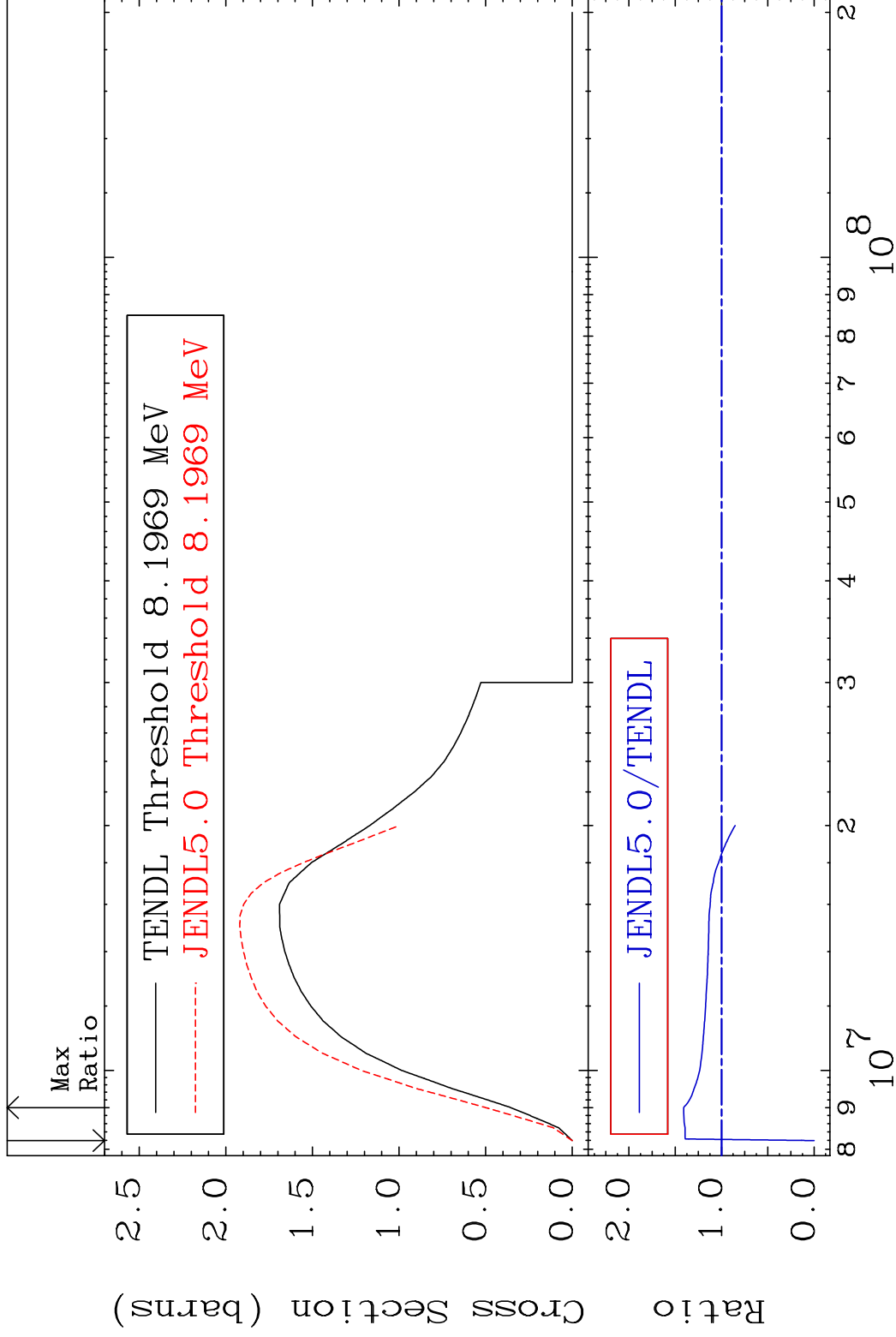
62-Sm-148

MAT 6237

(n,2n)

62-Sm-148

Cross Section -100.0 To 40.92 %



4

Incident Energy (eV)

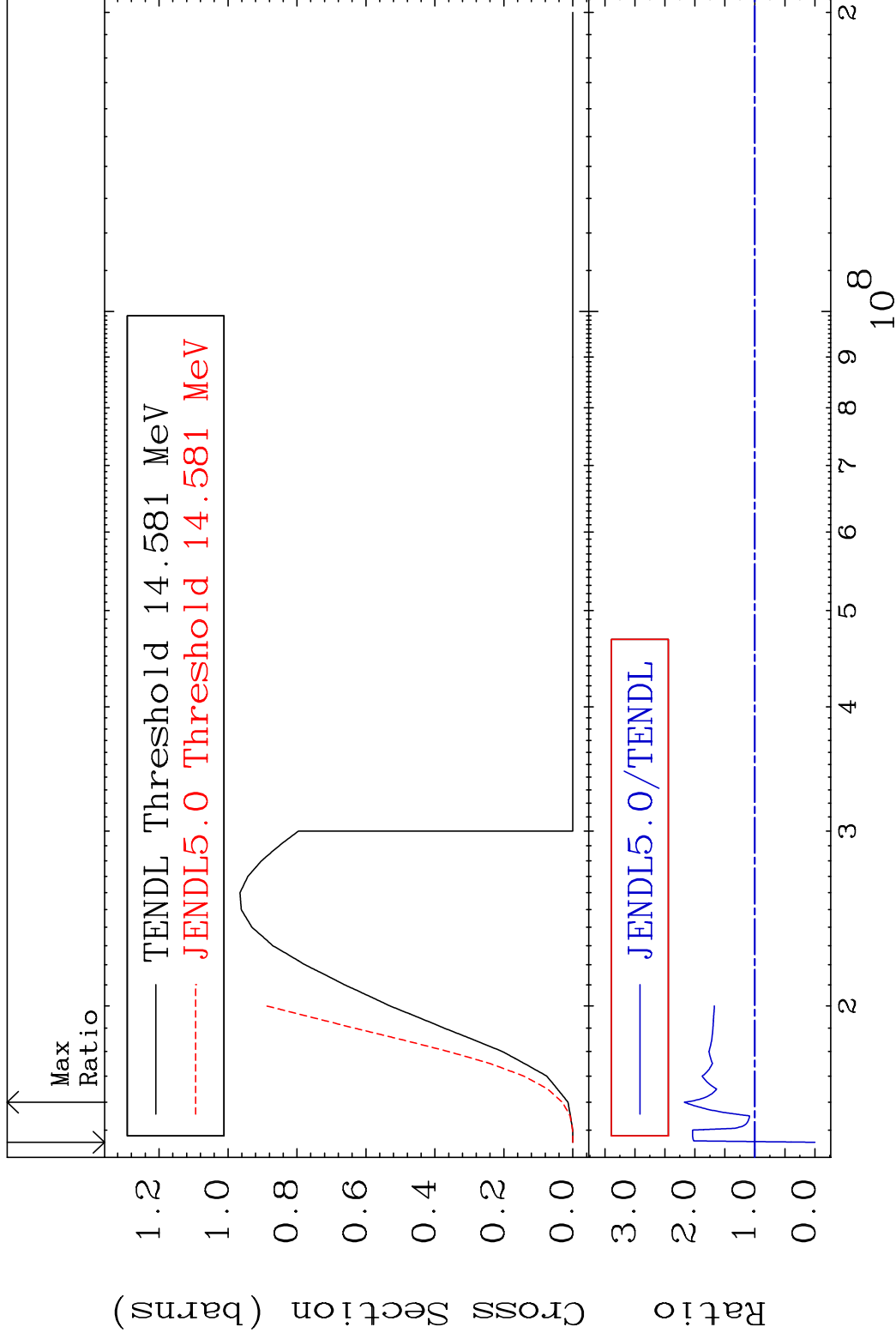
62-Sm-148

MAT 6237

(n,3n)

62-Sm-148

Cross Section -100.0 To 117.6 %



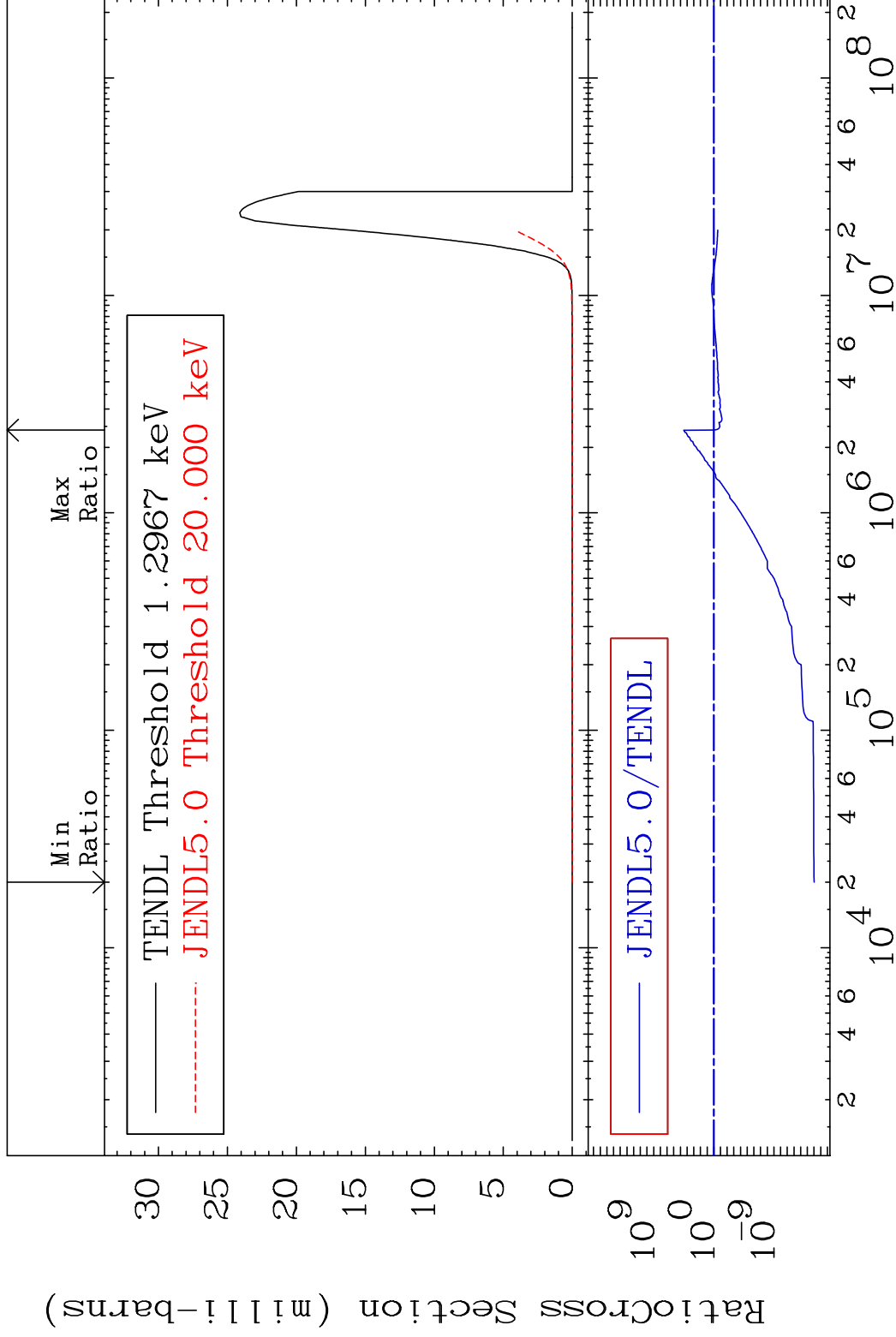
5

Incident Energy (eV)

62-Sm-148

MAT 6237

(n, n') α 62-Sm-148
Cross Section -100.0 To 9999. %



6

Incident Energy (eV)

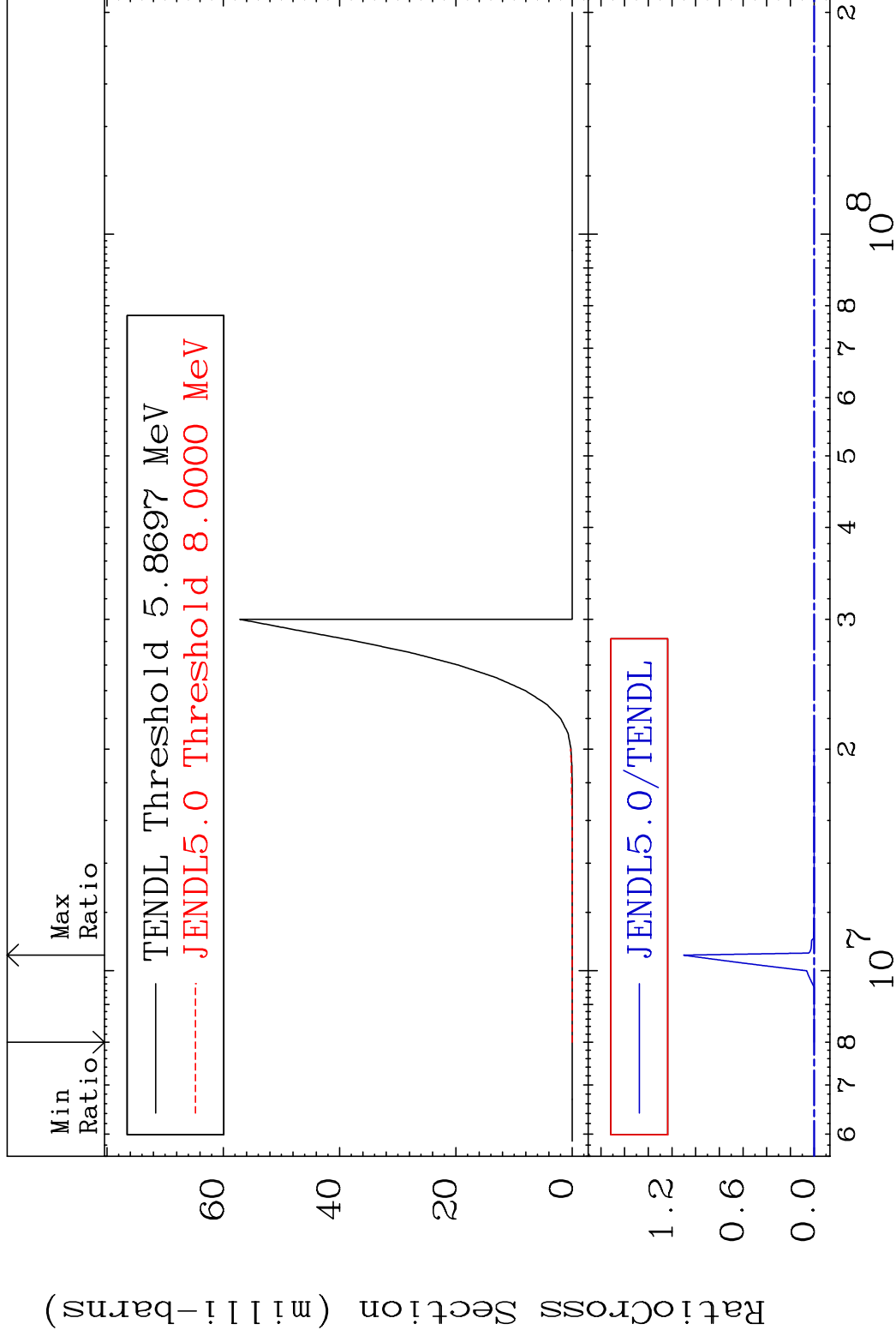
62-Sm-148

MAT 6237

(n,2n) α

62-Sm-148

Cross Section -100.0 To 9999. %



7

Incident Energy (eV)

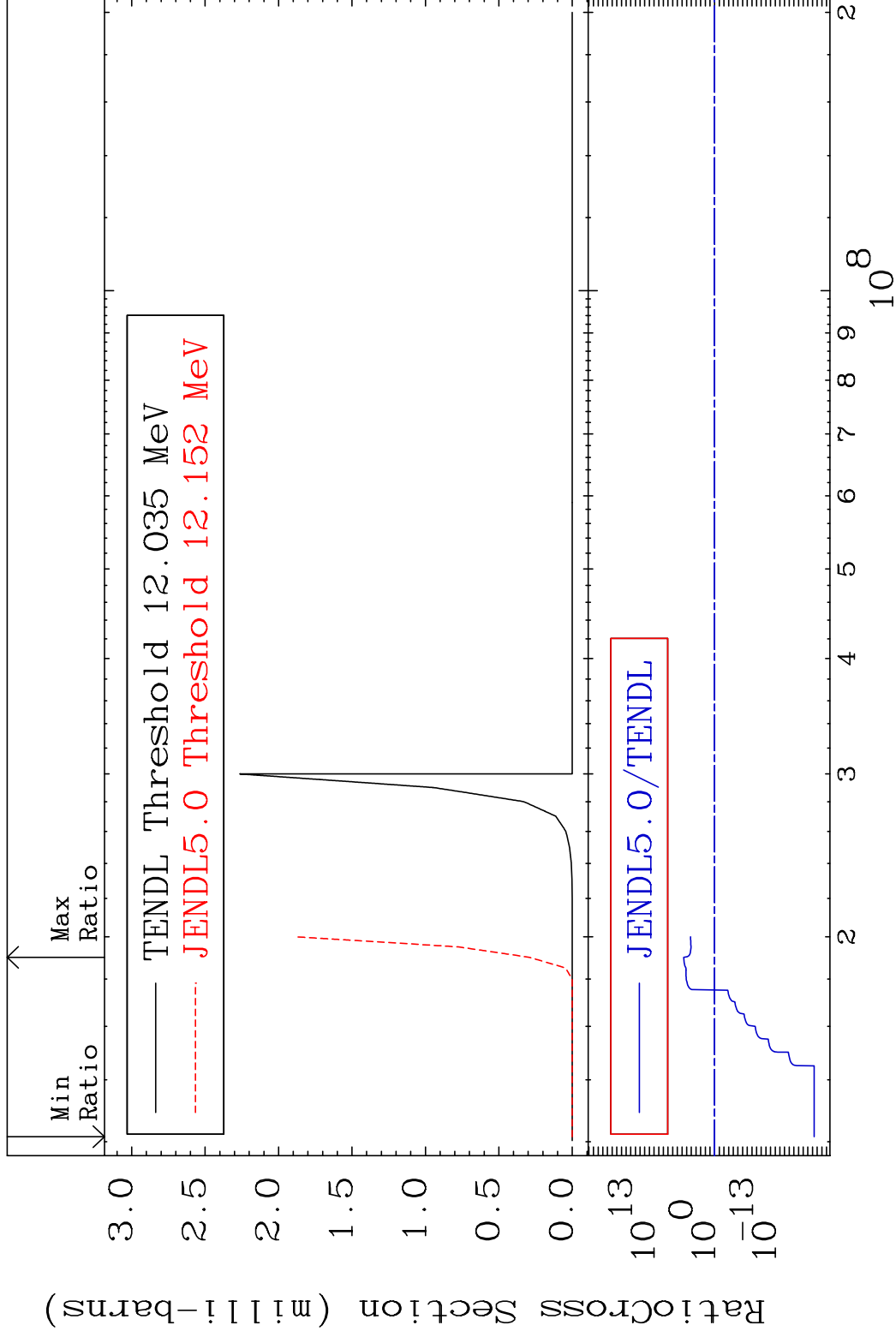
62-Sm-148

MAT 6237

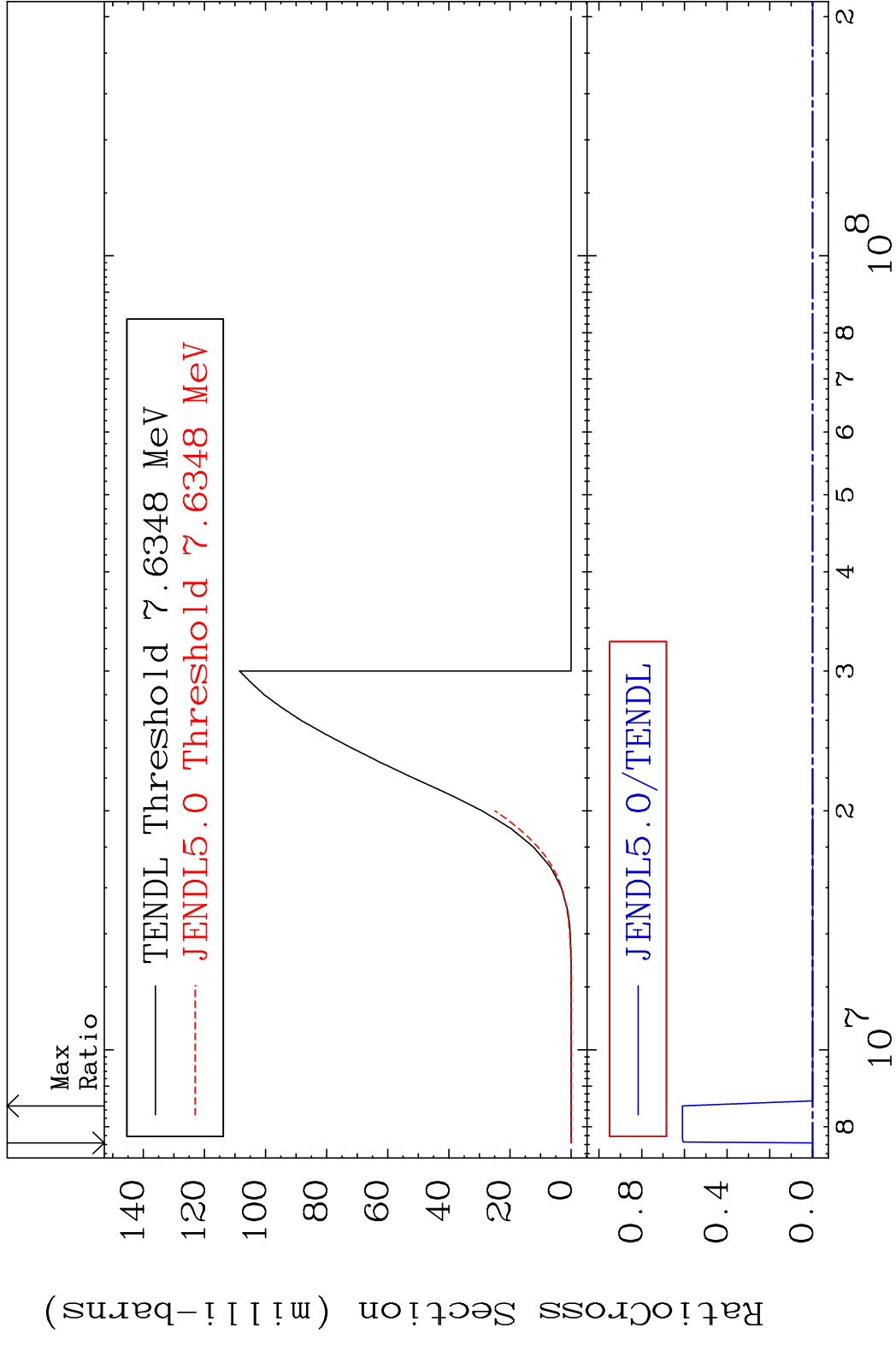
(n,3n) α

62-Sm-148

Cross Section -100.0 To 9999. %



MAT 6237 (n, n') p 62-Sm-148
 Cross Section -100.0 To 9999. %

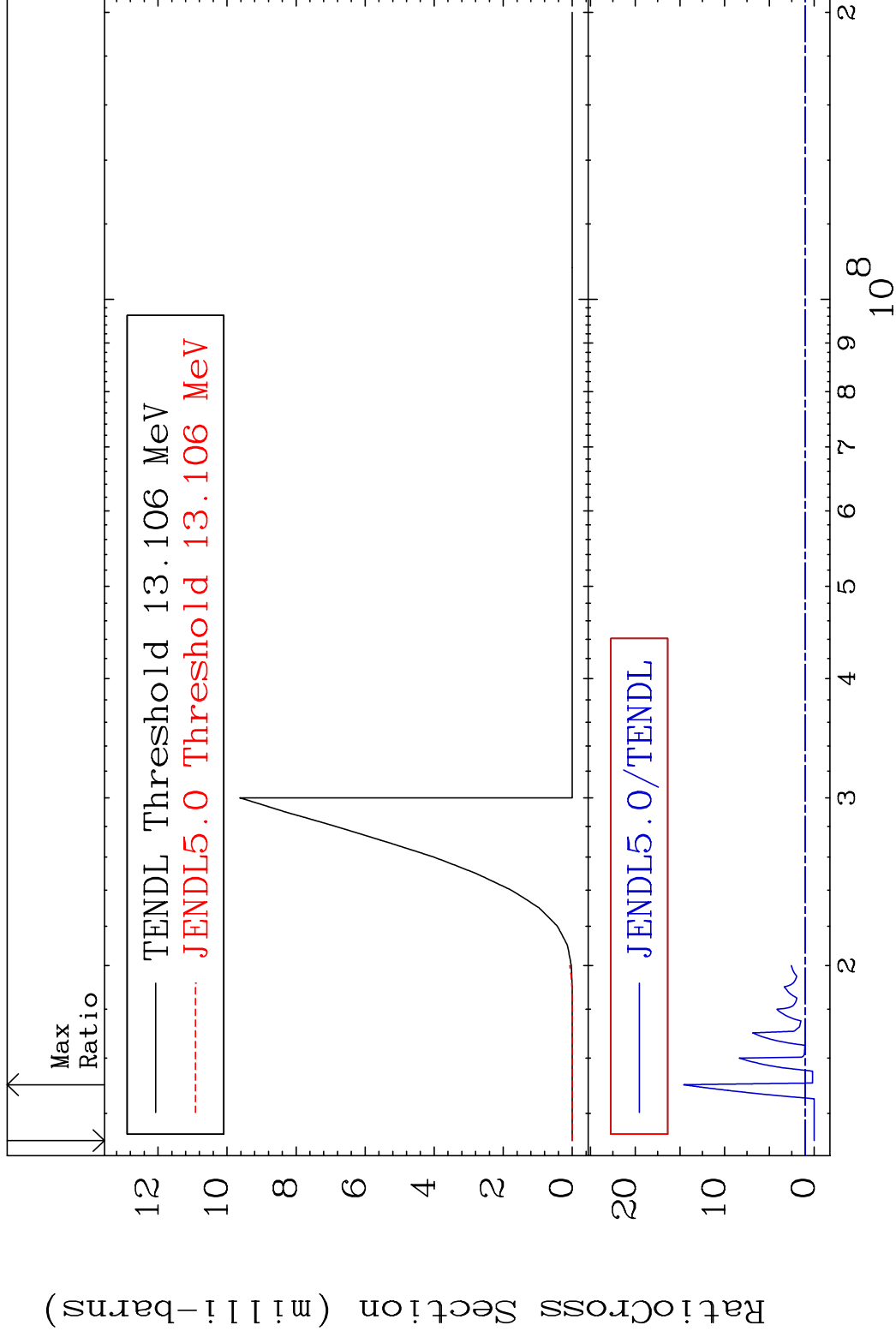


MAT 6237

(n, n') d

62-Sm-148

Cross Section -100.0 To 1359. %



10

Incident Energy (eV)

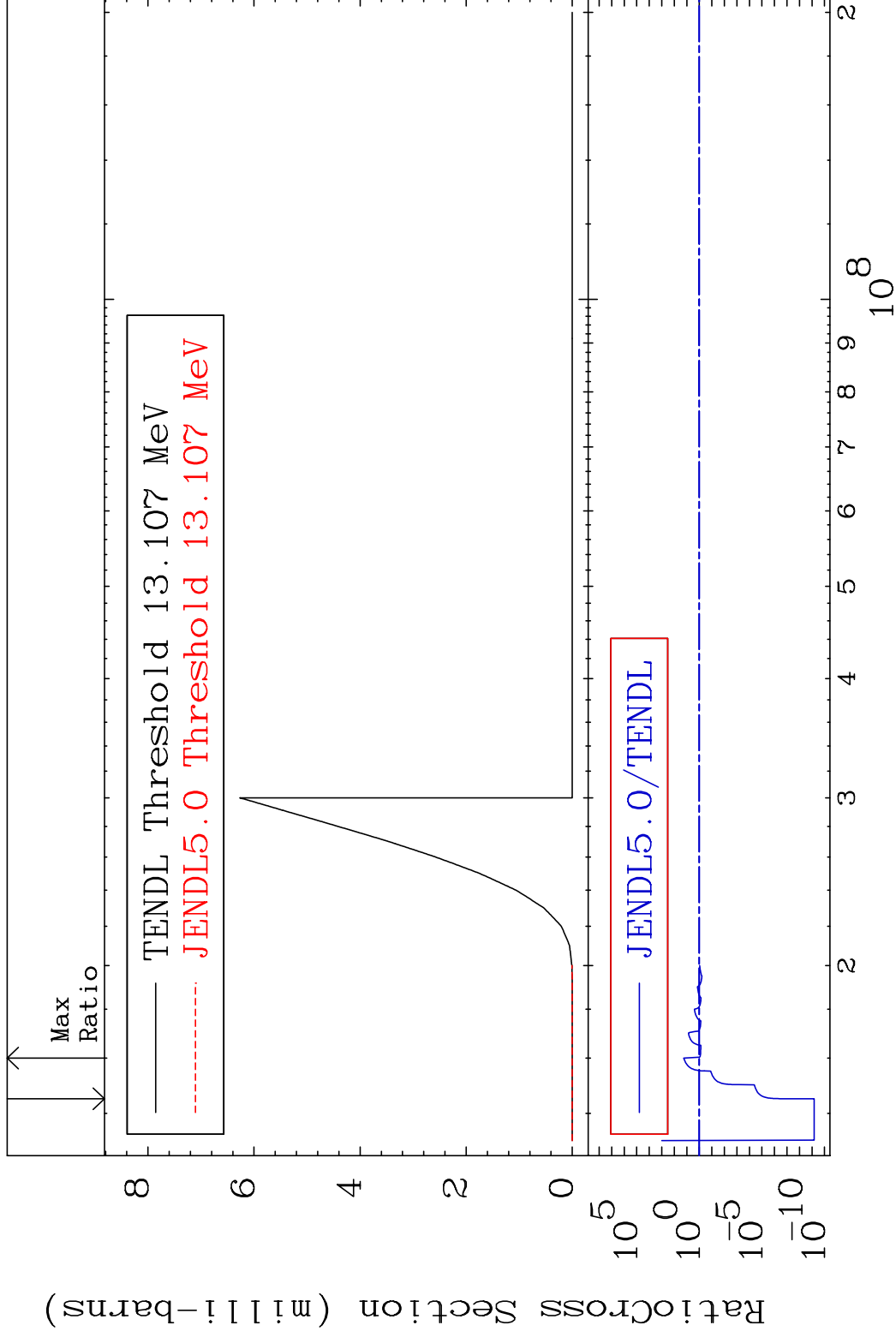
62-Sm-148

MAT 6237

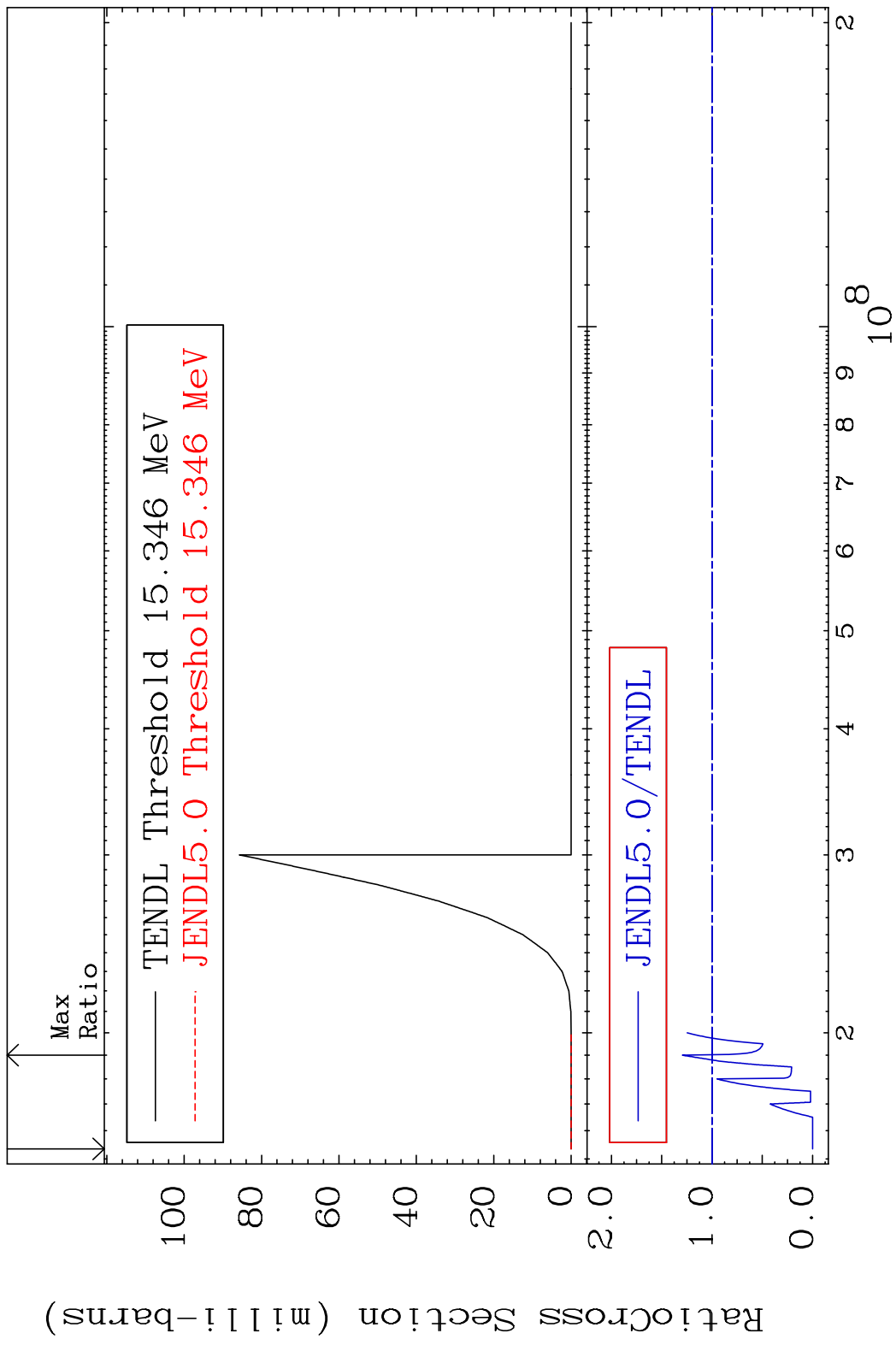
(n, n') t

62-Sm-148

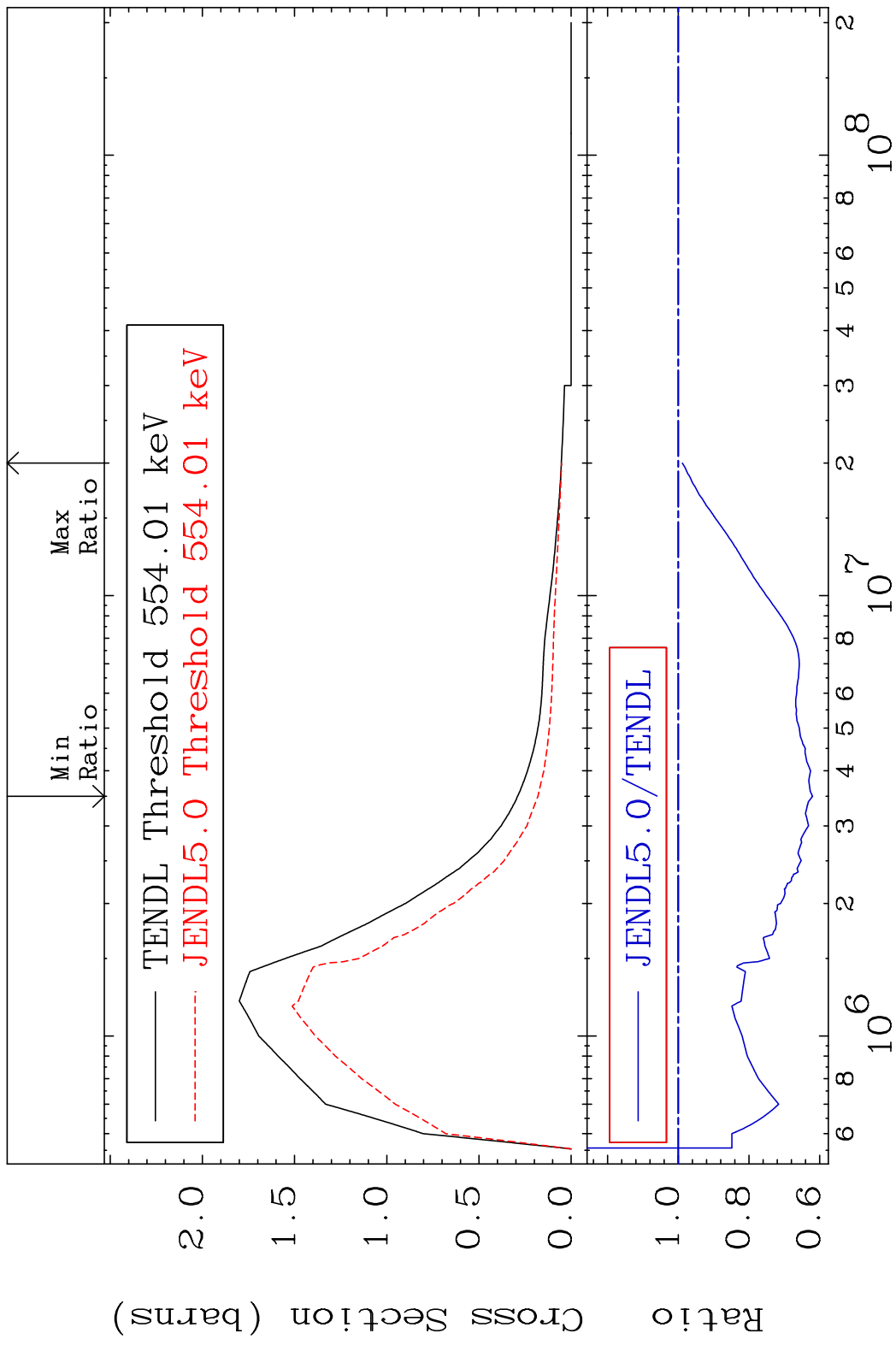
Cross Section -100.0 To 1685. %



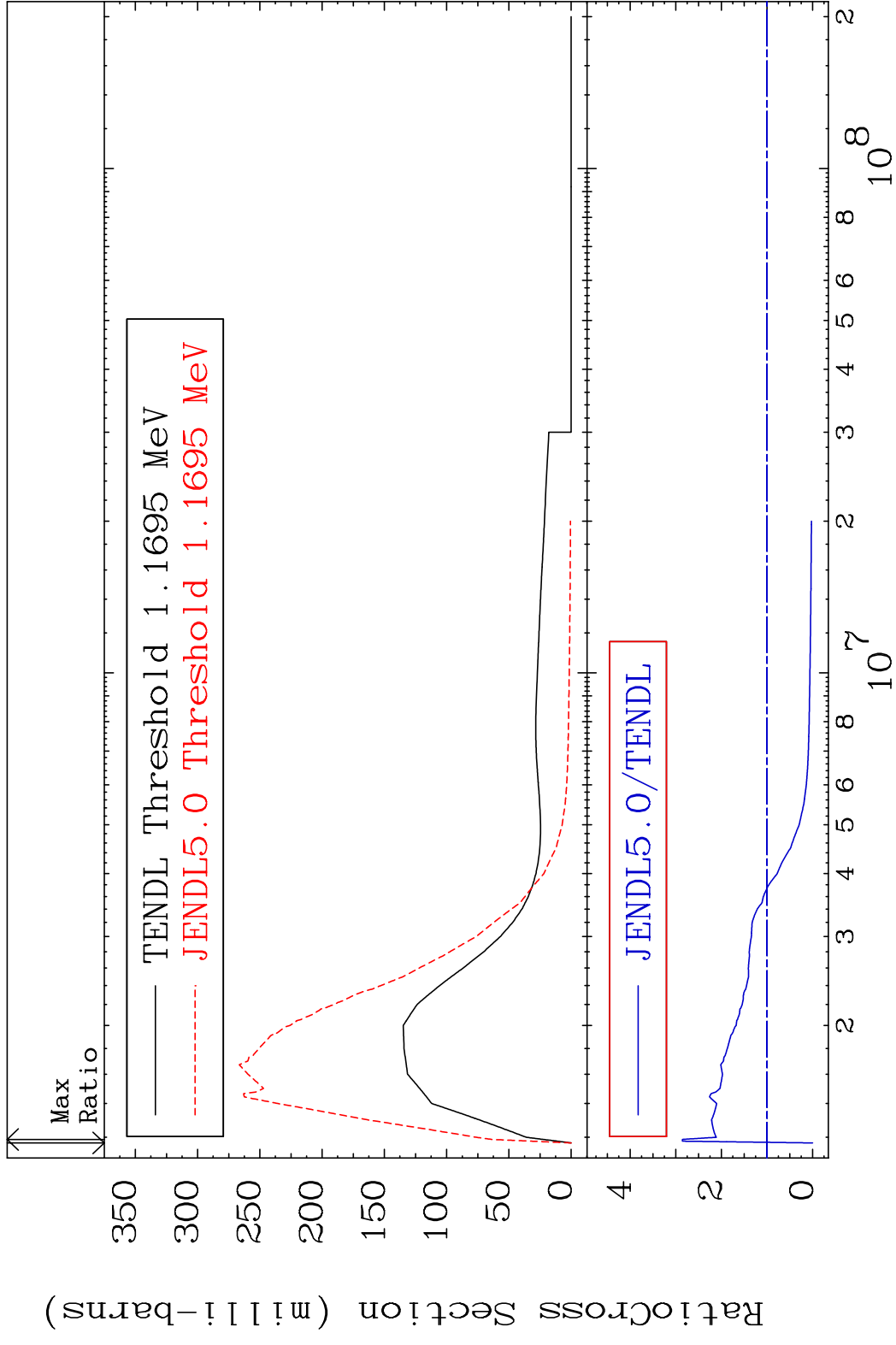
MAT 6237 (n,2n) p 62-Sm-148
 Cross Section -100.0 To 29.48 %



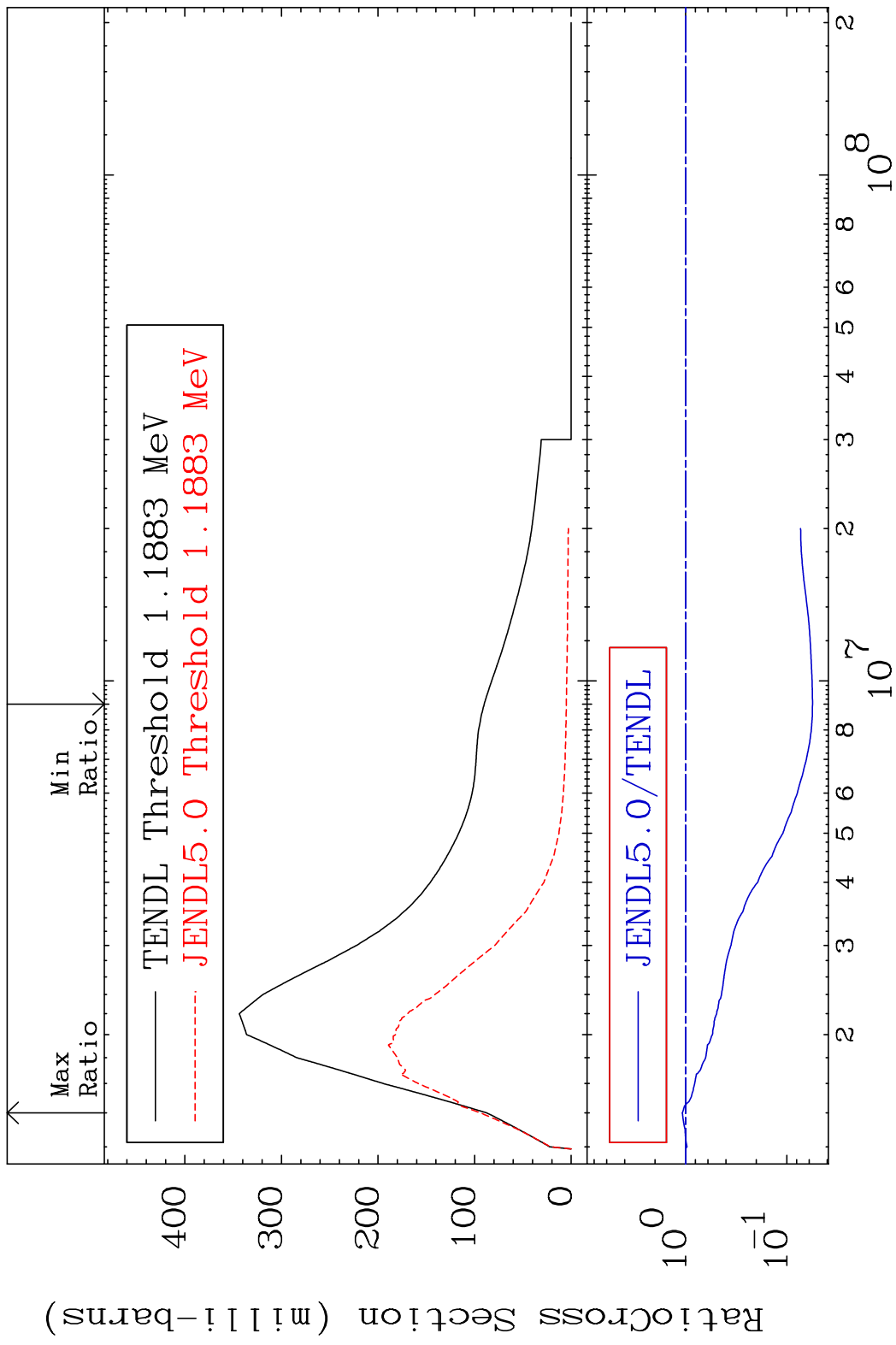
MAT 6237 MT= 51 (n, n') Level 62-Sm-148
 Cross Section -38.01 To -1.143%



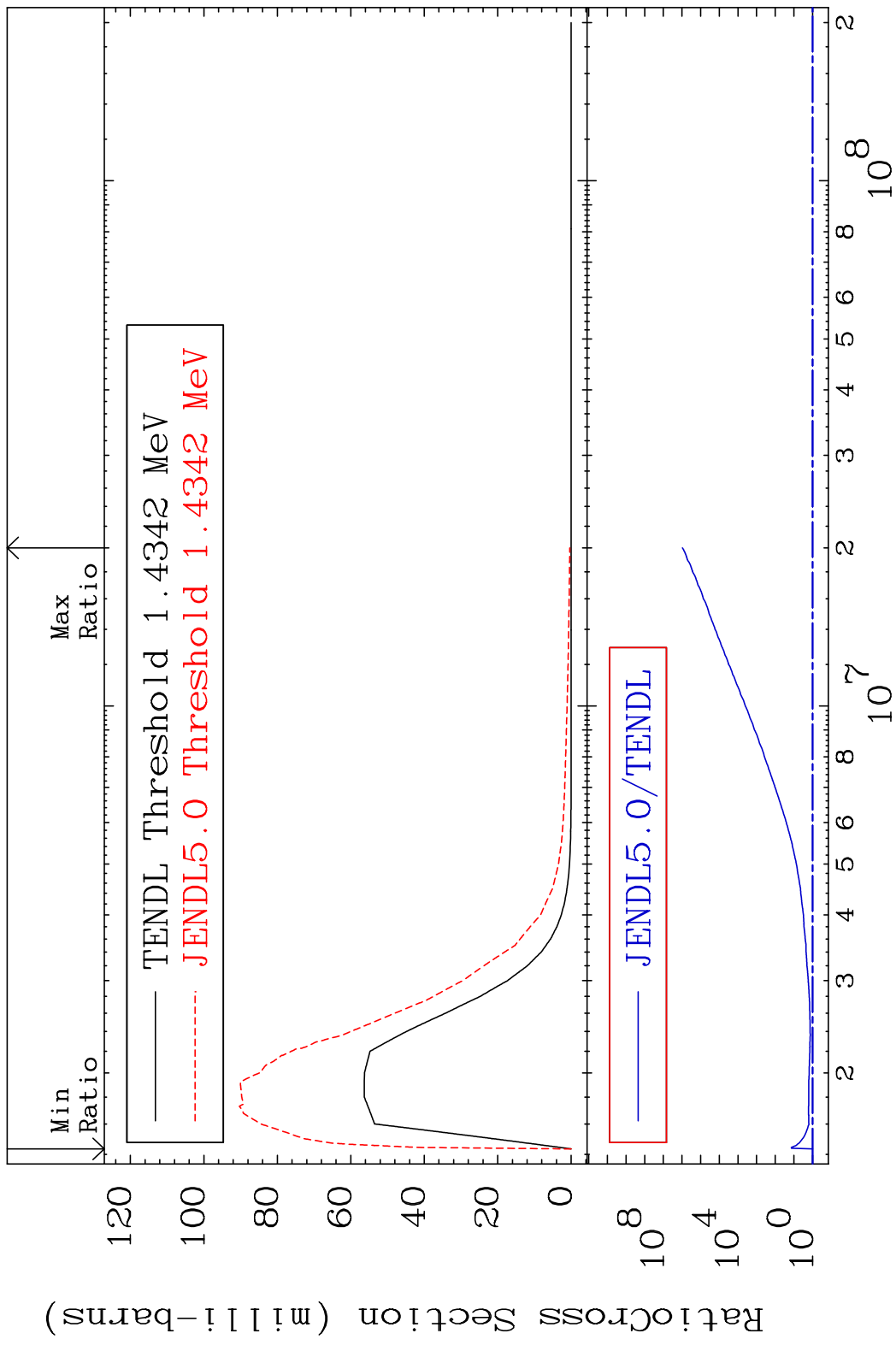
MAT 6237 MT= 52 (n, n') Level 62-Sm-148
 Cross Section -100.0 To 185.5 %



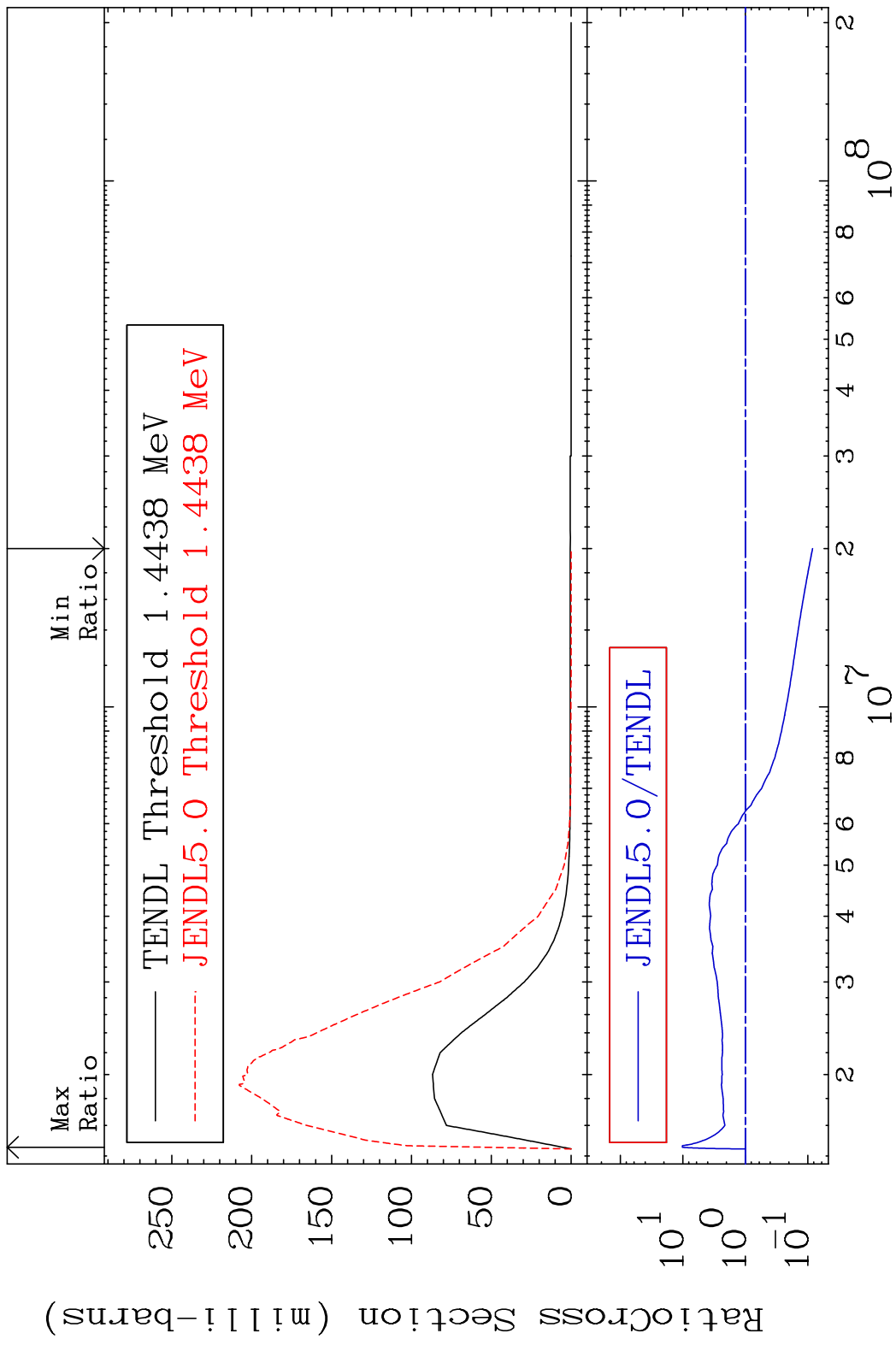
MAT 6237 MT= 53 (n, n') Level 62-Sm-148
 Cross Section -94.43 To 7.531 %



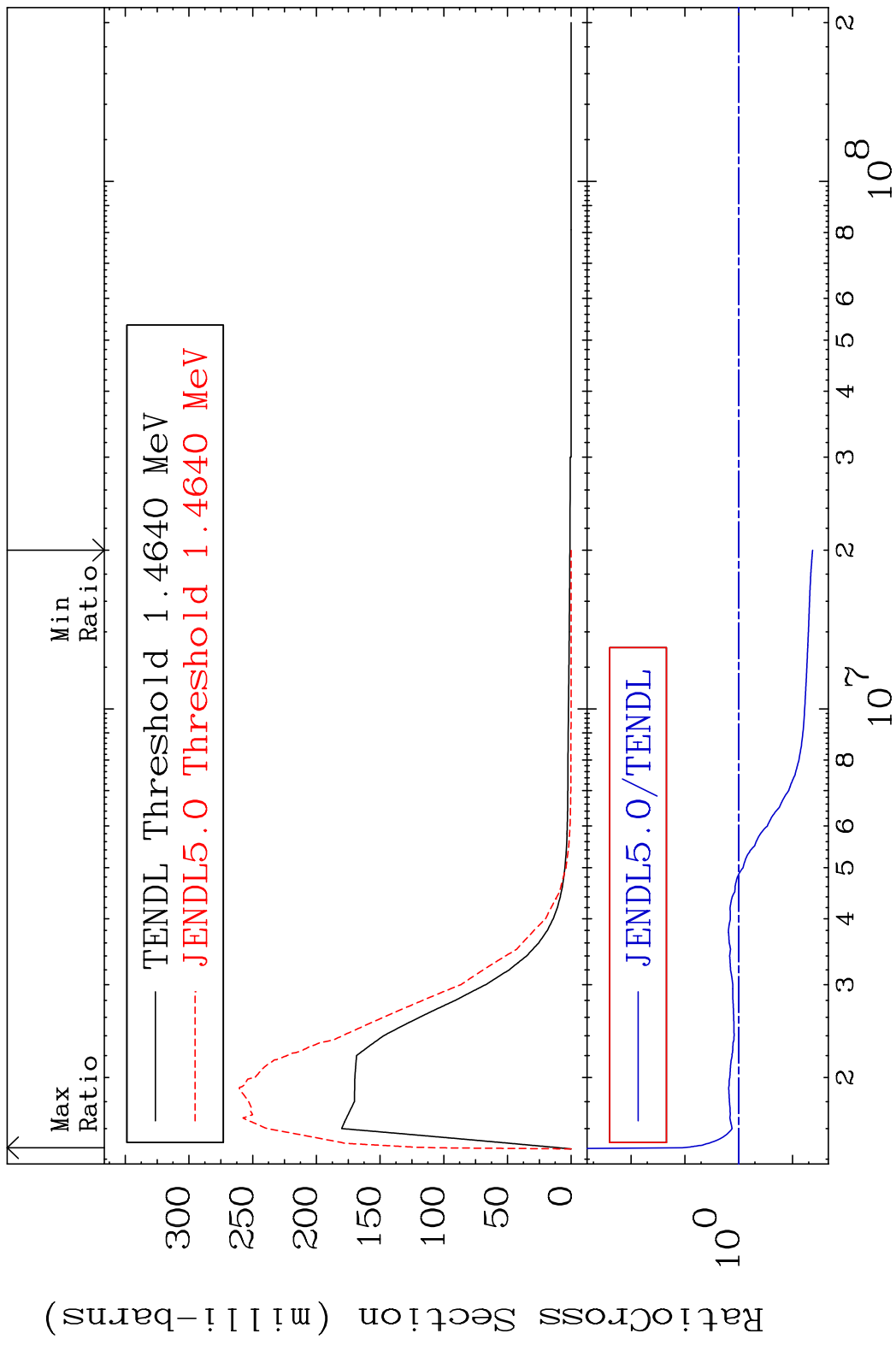
MAT 6237 MT= 54 (n, n') Level 62-Sm-148
 Cross Section 0.000 To 9999. %



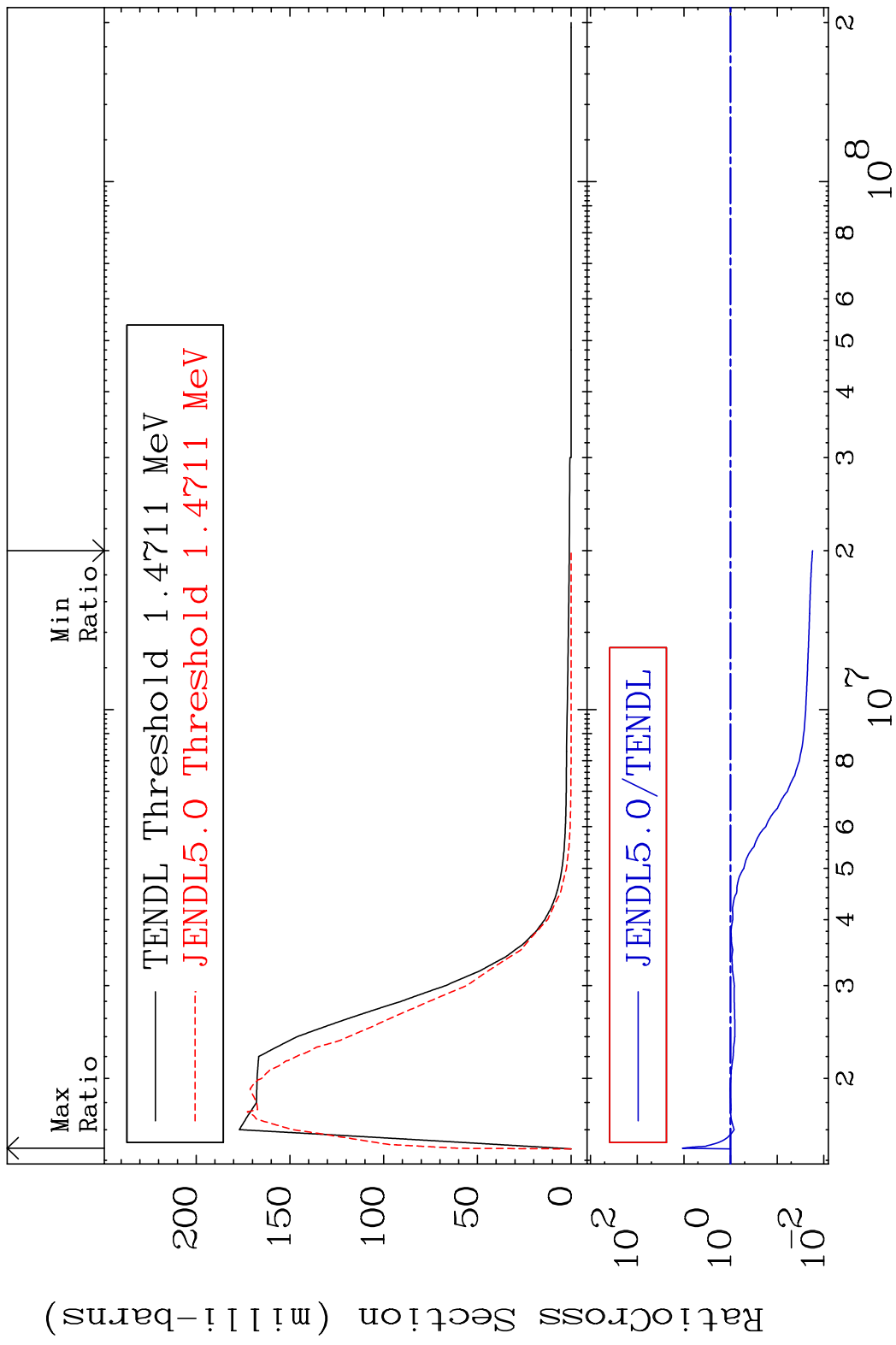
MAT 6237 MT= 55 (n,n') Level 62-Sm-148
 Cross Section -91.62 To 915.5 %



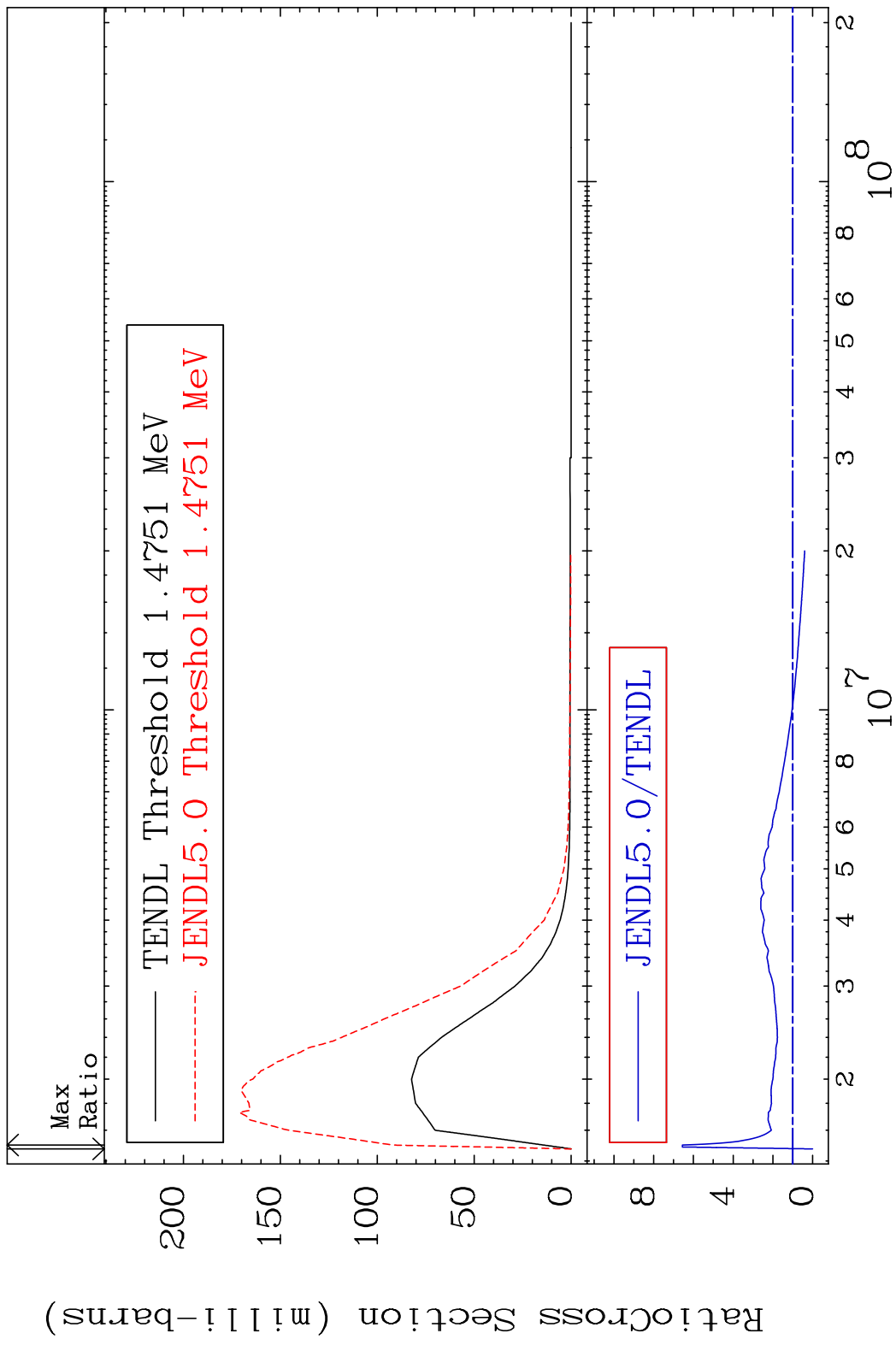
MAT 6237 MT= 56 (n,n') Level 62-Sm-148
 Cross Section -95.76 To 1016. %



MAT 6237 MT= 57 (n,n') Level 62-Sm-148
 Cross Section -98.25 To 978.0 %

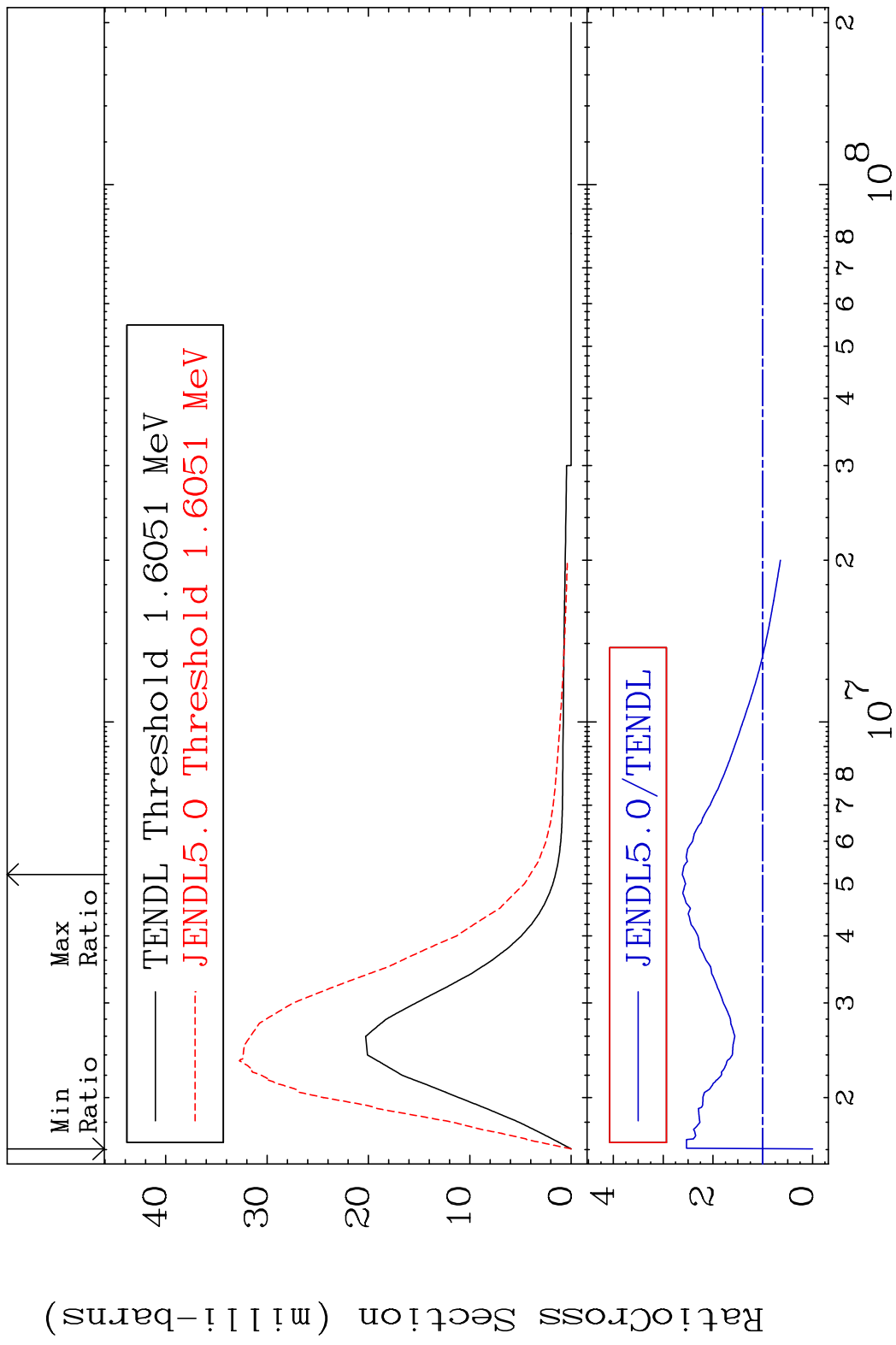


MAT 6237 MT= 58 (n, n') Level 62-Sm-148
 Cross Section -100.0 To 555.8 %

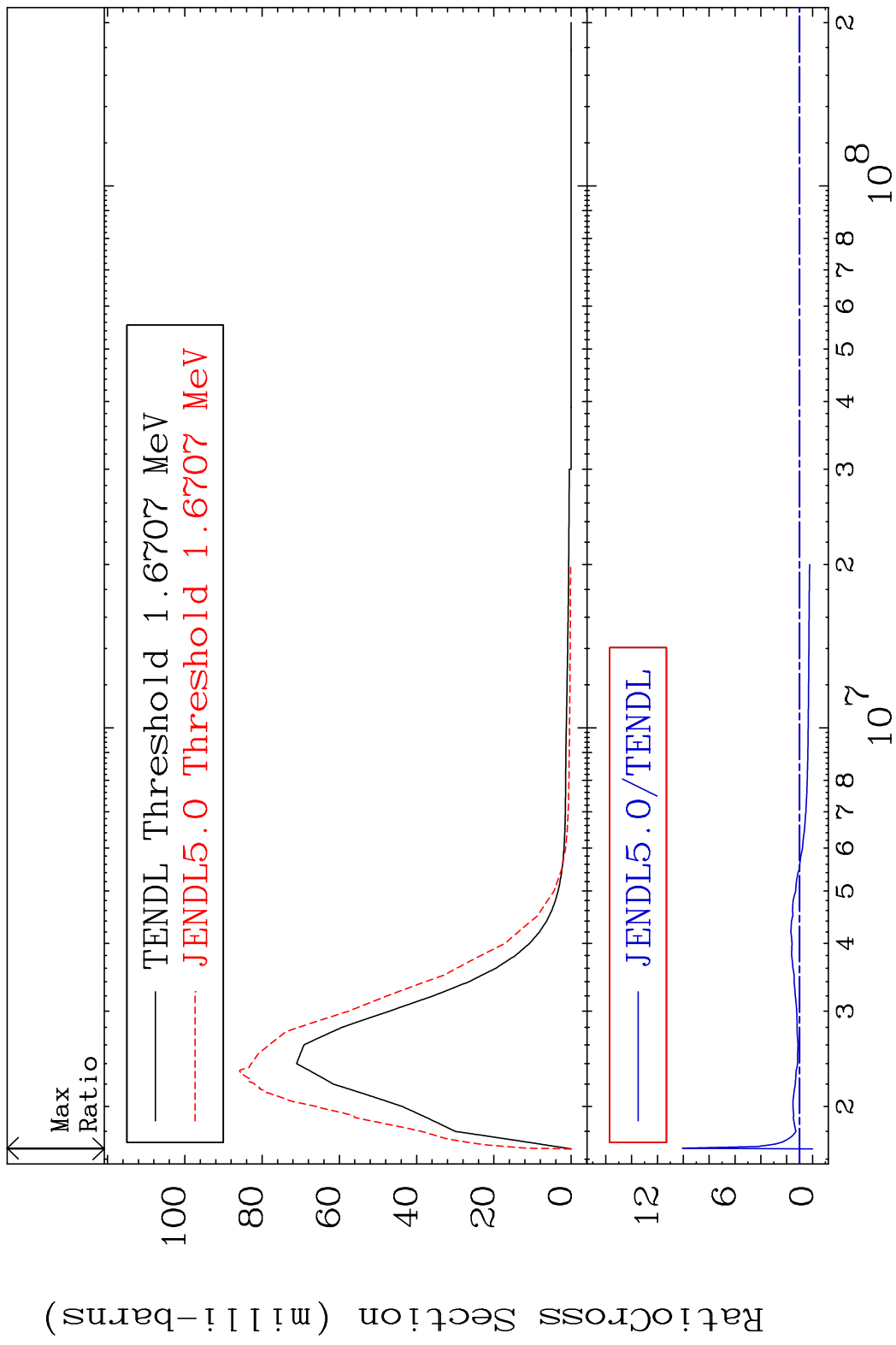


20 Incident Energy (eV) 62-Sm-148

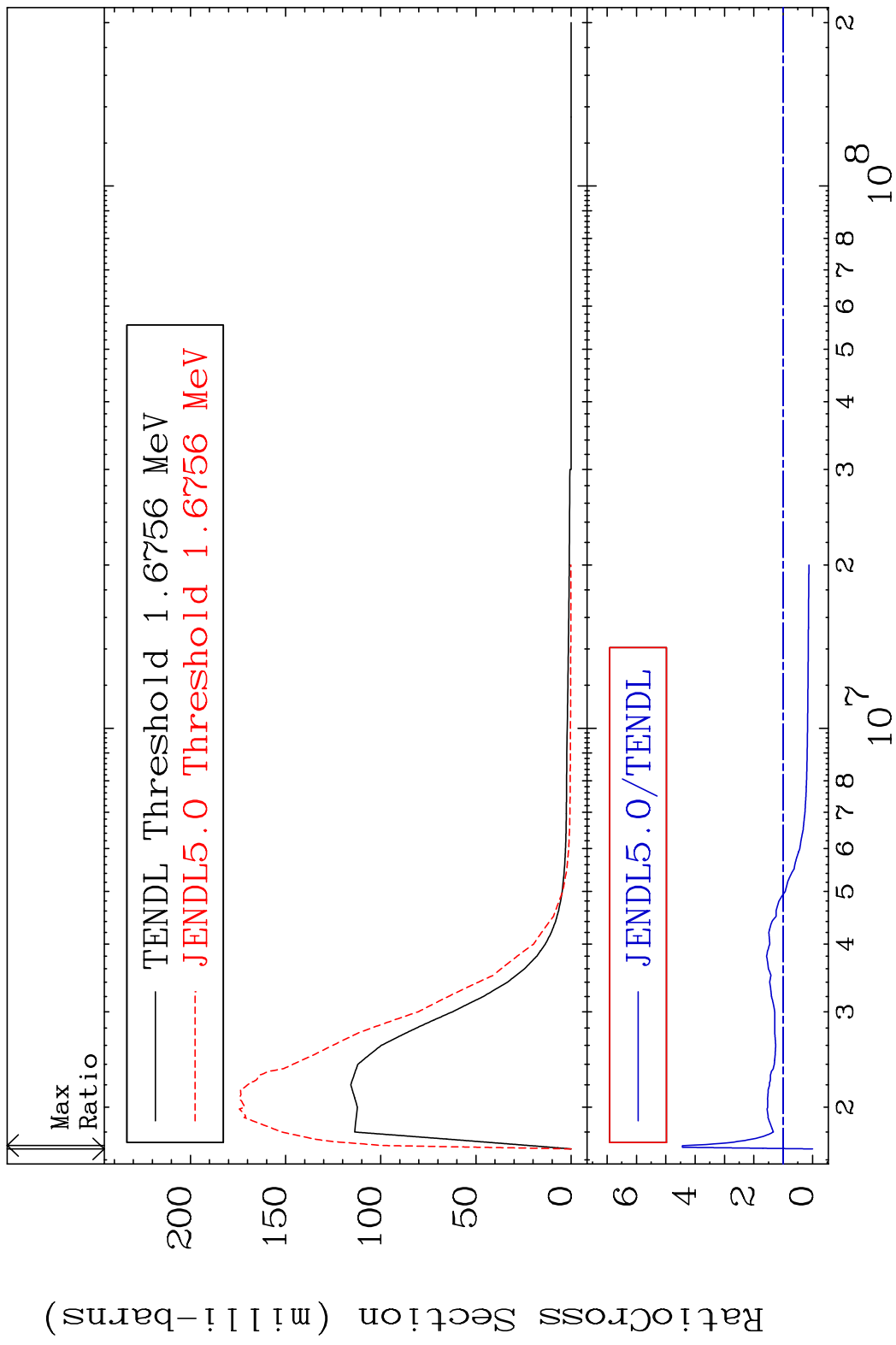
MAT 6237 MT= 59 (n,n') Level 62-Sm-148
 Cross Section -100.0 To 161.4 %



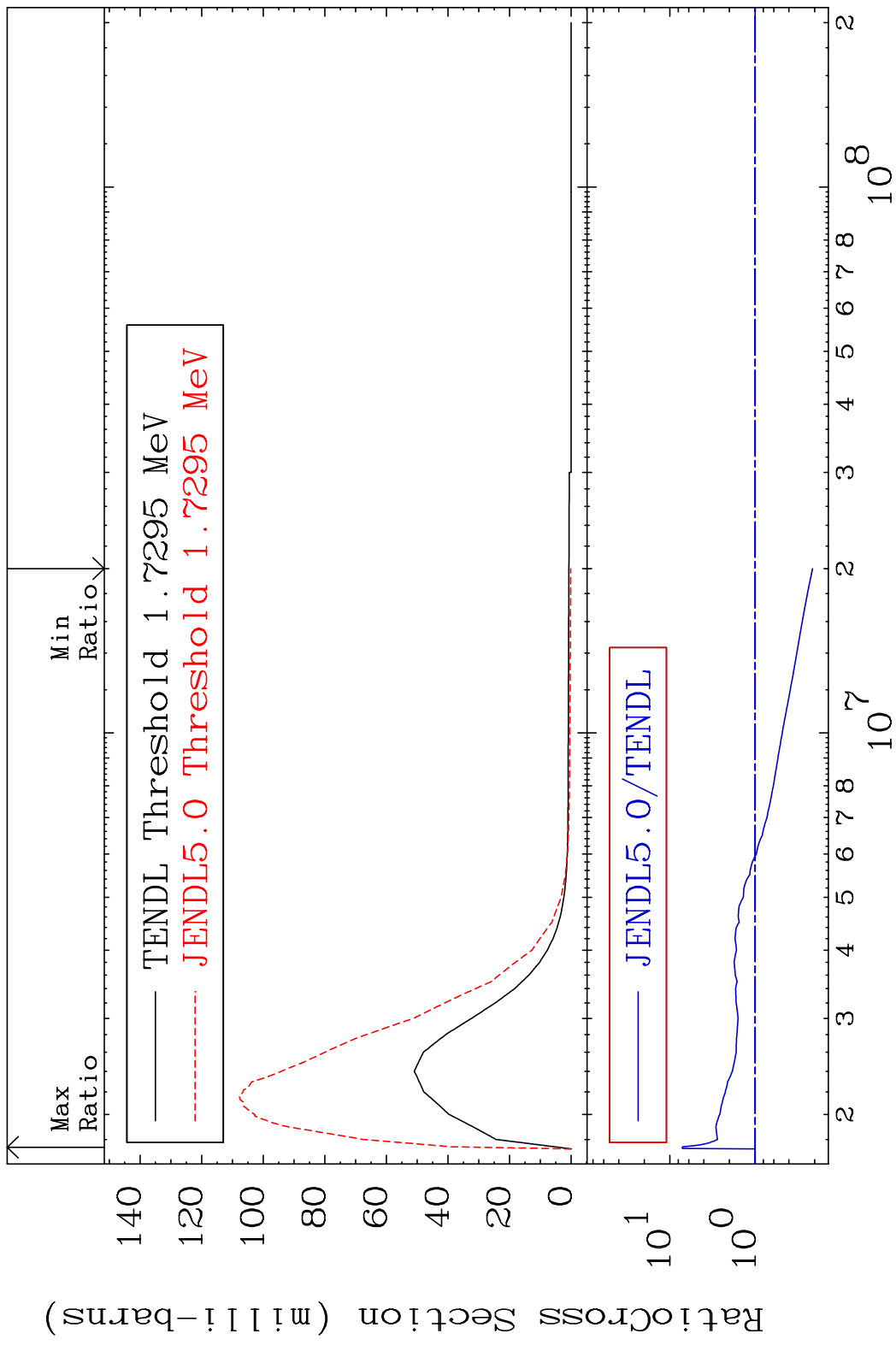
MAT 6237 MT= 60 (n,n') Level 62-Sm-148
 Cross Section -100.0 To 907.2 %



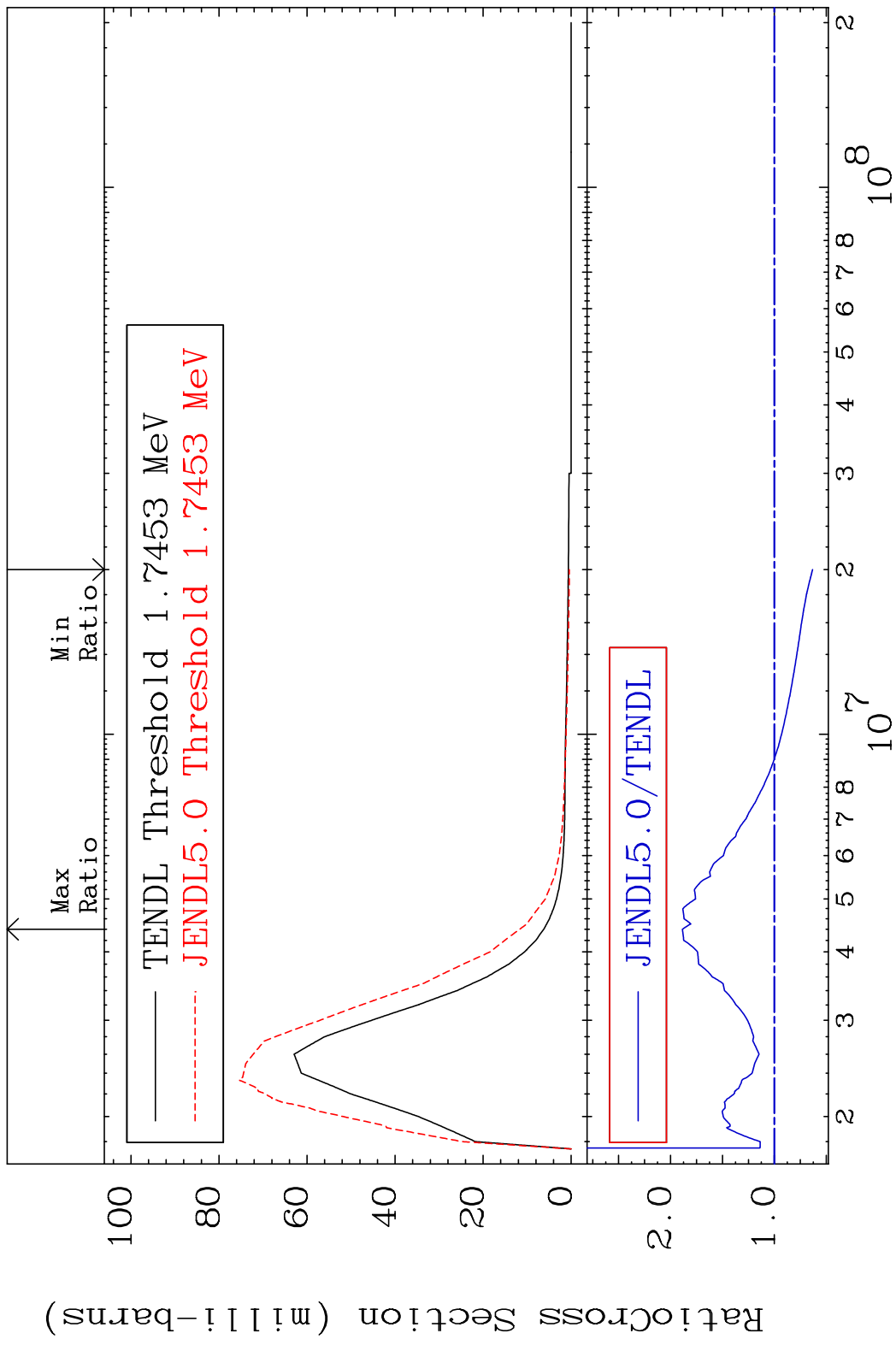
MAT 6237 MT= 61 (n, n') Level 62-Sm-148
 Cross Section -100.0 To 343.7 %



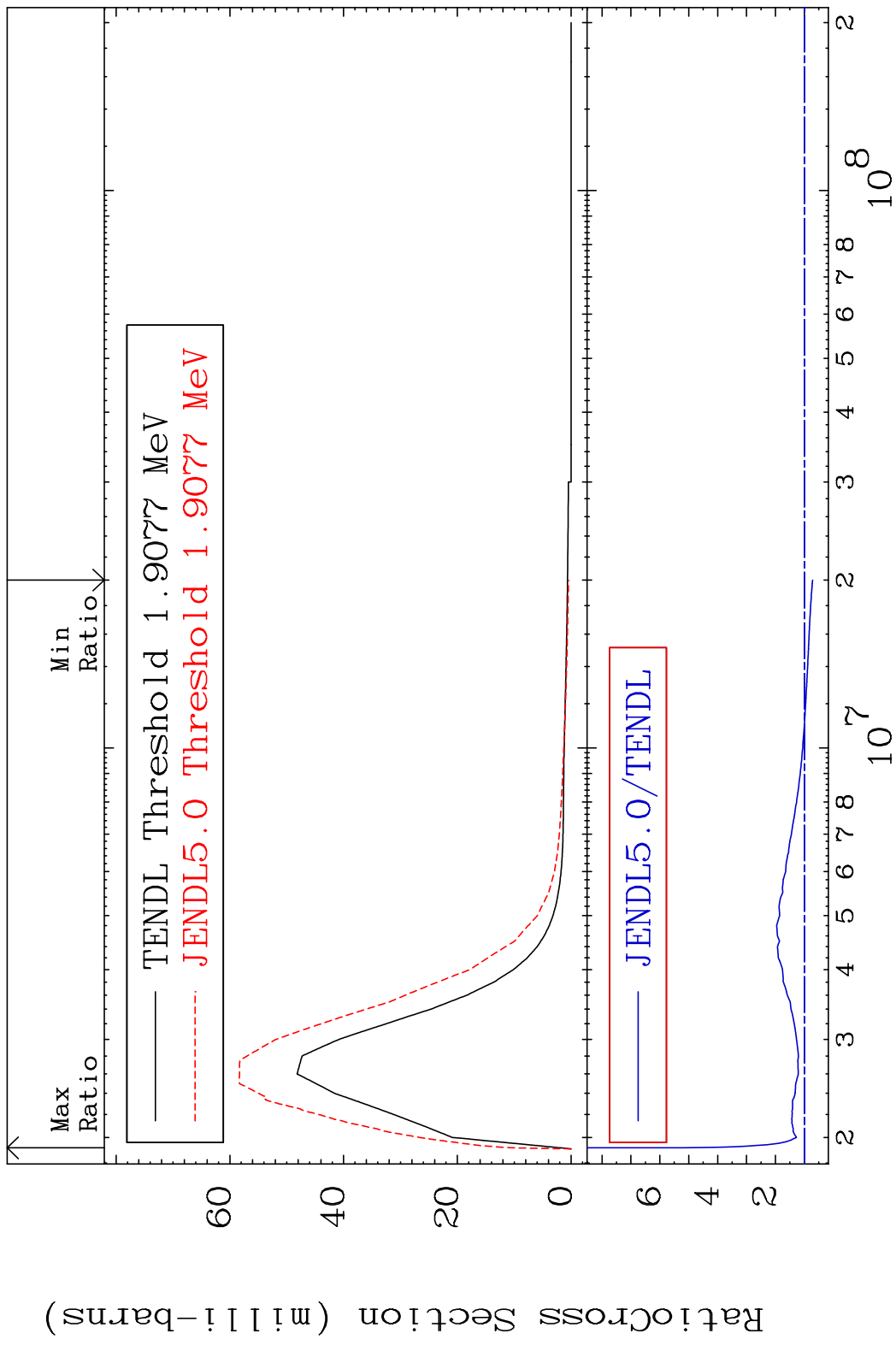
MAT 6237 MT= 62 (n,n') Level 62-Sm-148
 Cross Section -78.88 To 614.7 %



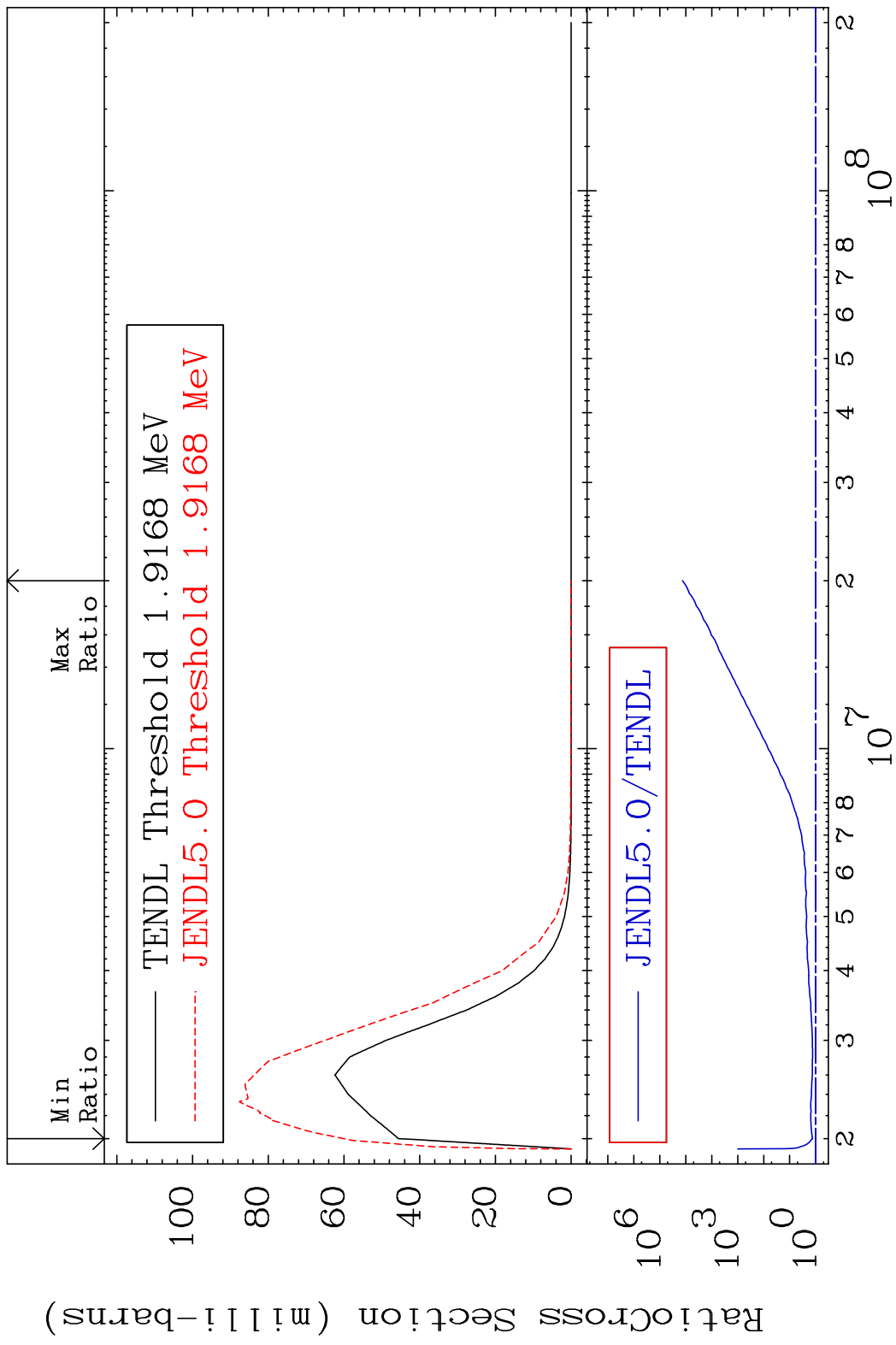
MAT 6237 MT= 63 (n, n') Level 62-Sm-148
 Cross Section -36.79 To 88.63 %



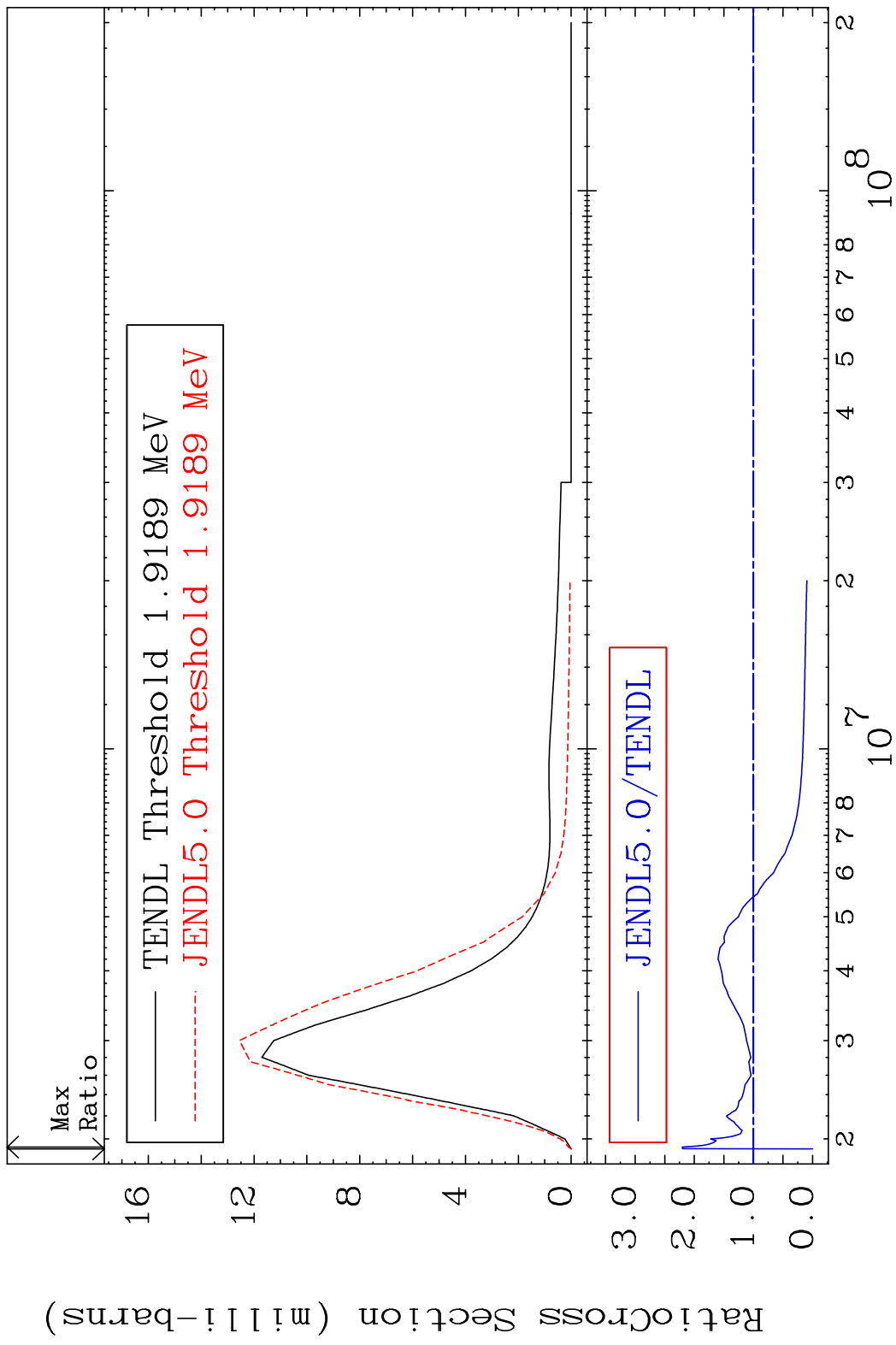
MAT 6237 MT= 64 (n, n') Level 62-Sm-148
 Cross Section -28.33 To 422.1 %



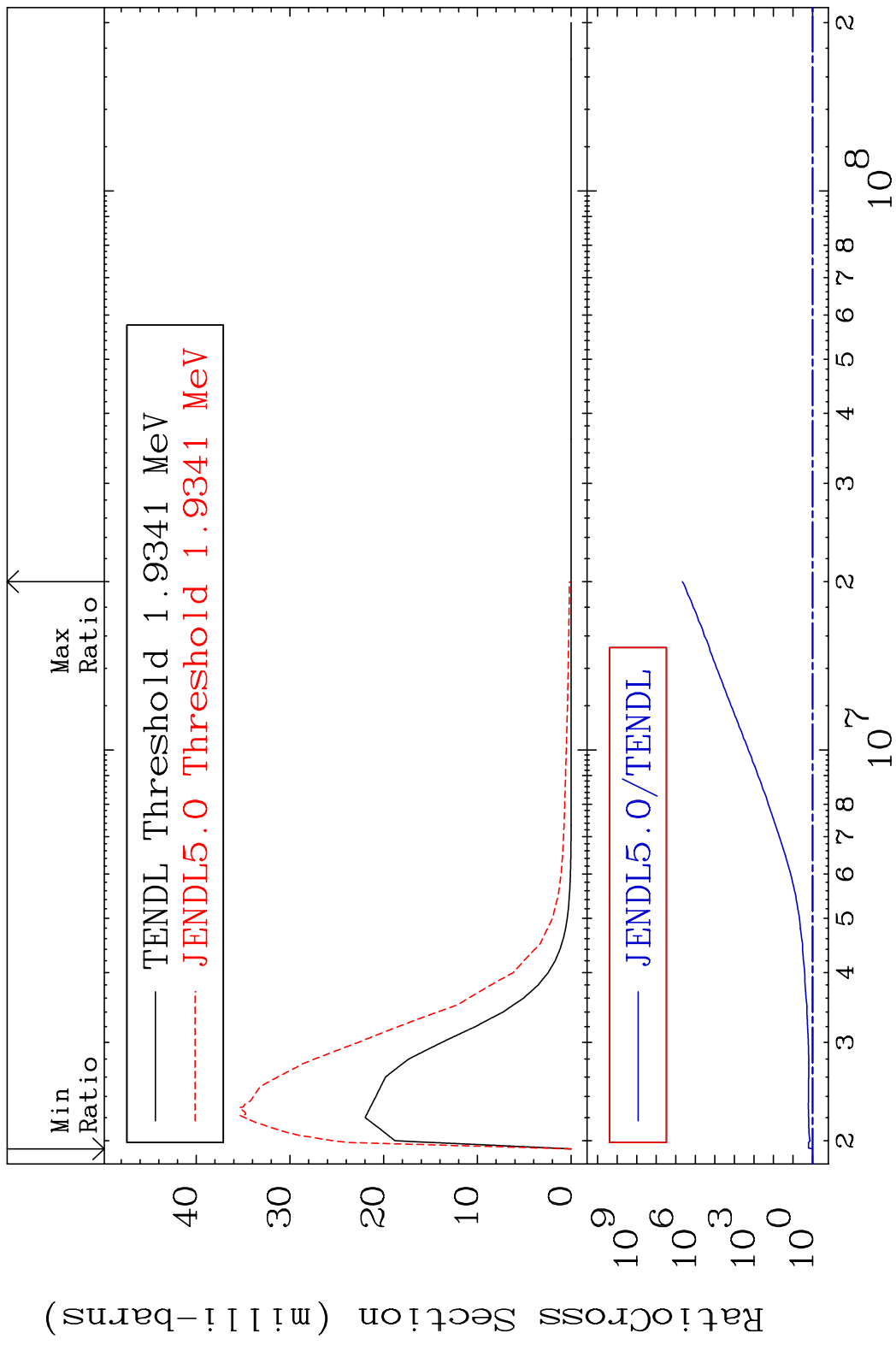
MAT 6237 MT= 65 (n, n') Level 62-Sm-148
 Cross Section 31.59 To 9999. %



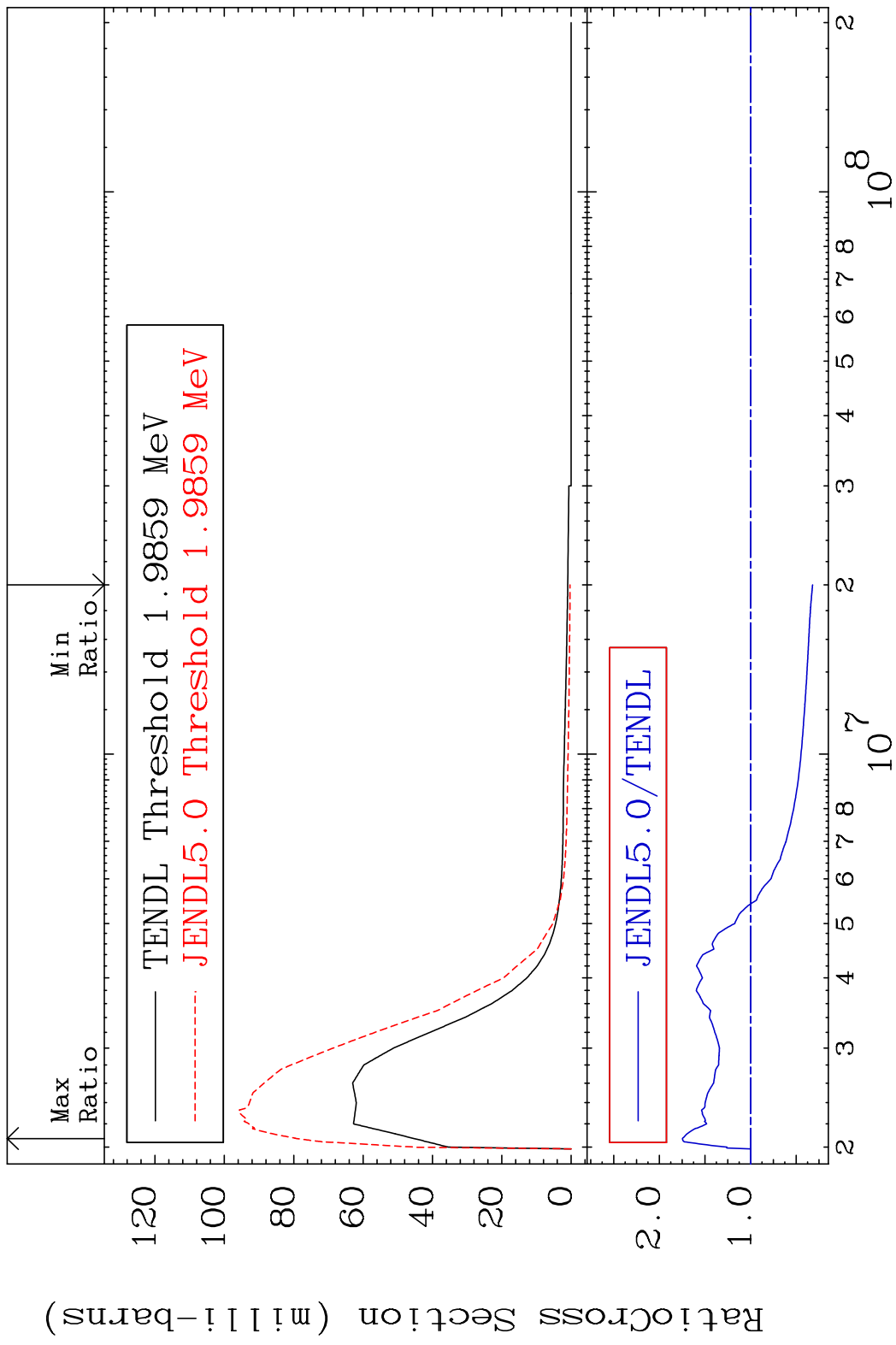
MAT 6237 MT= 66 (n, n') Level 62-Sm-148
 Cross Section -100.0 To 120.2 %



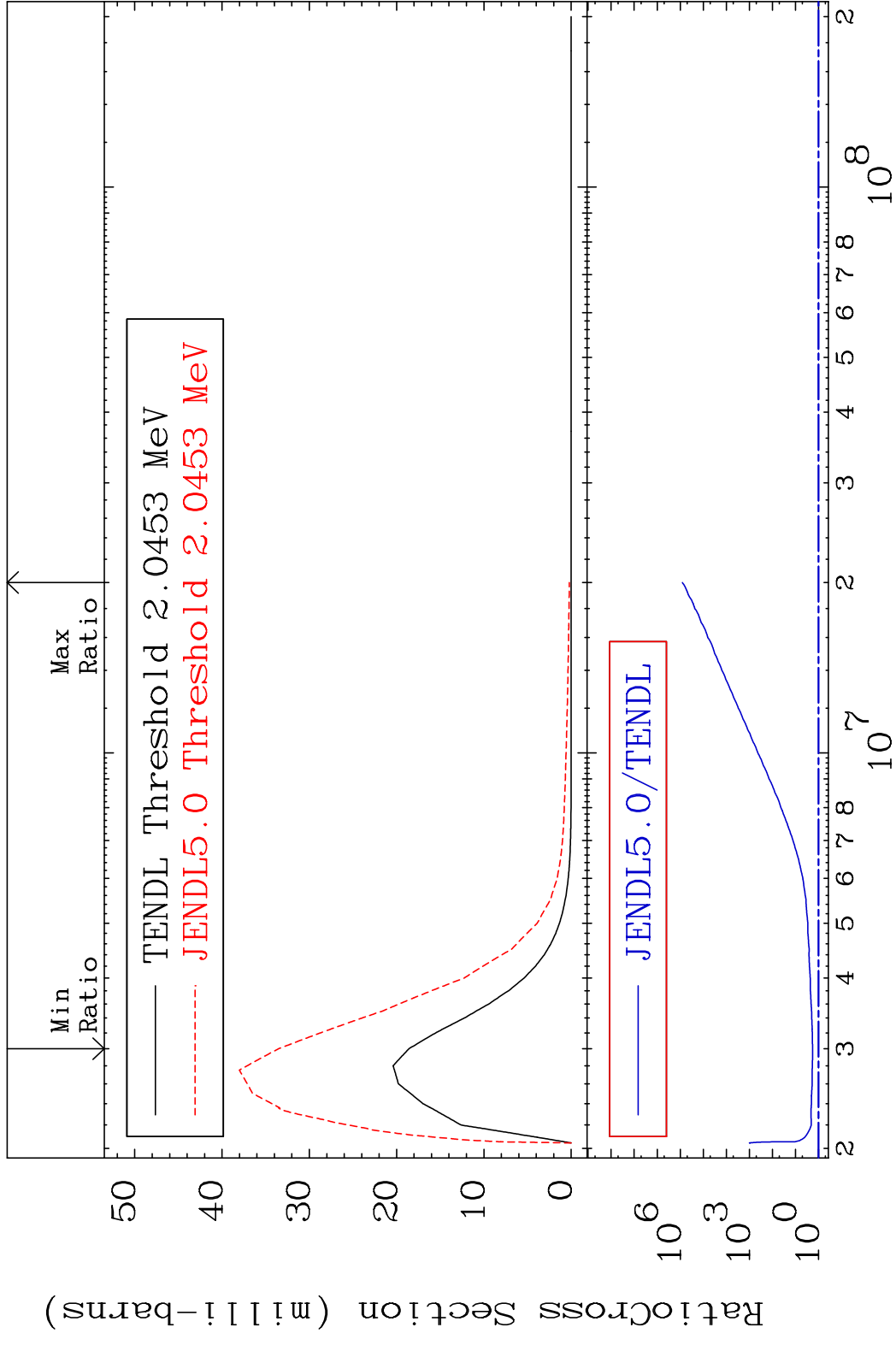
MAT 6237 MT= 67 (n, n') Level 62-Sm-148
 Cross Section 0.000 To 9999. %



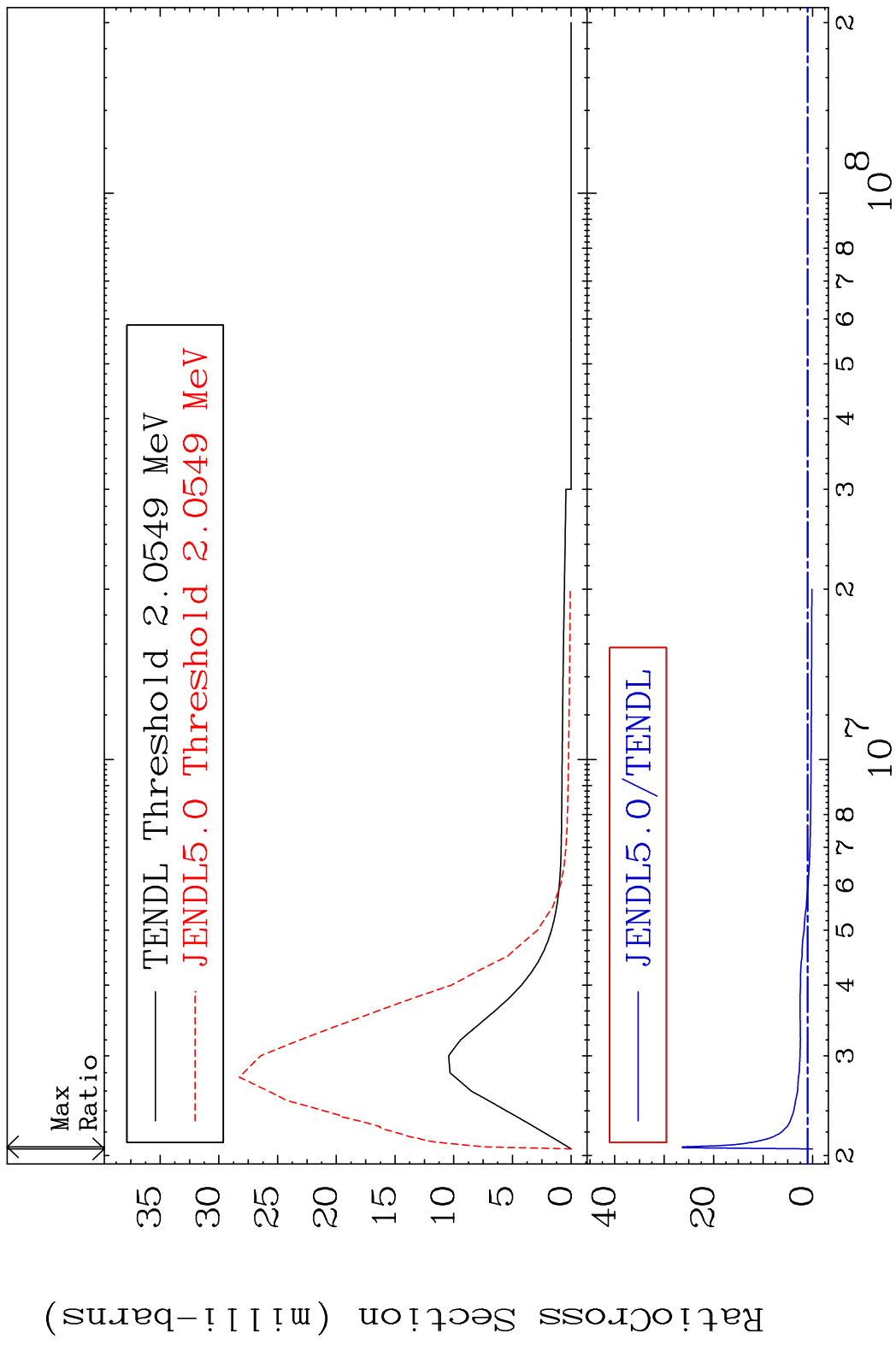
MAT 6237 MT= 68 (n, n') Level 62-Sm-148
 Cross Section -67.99 To 74.69 %



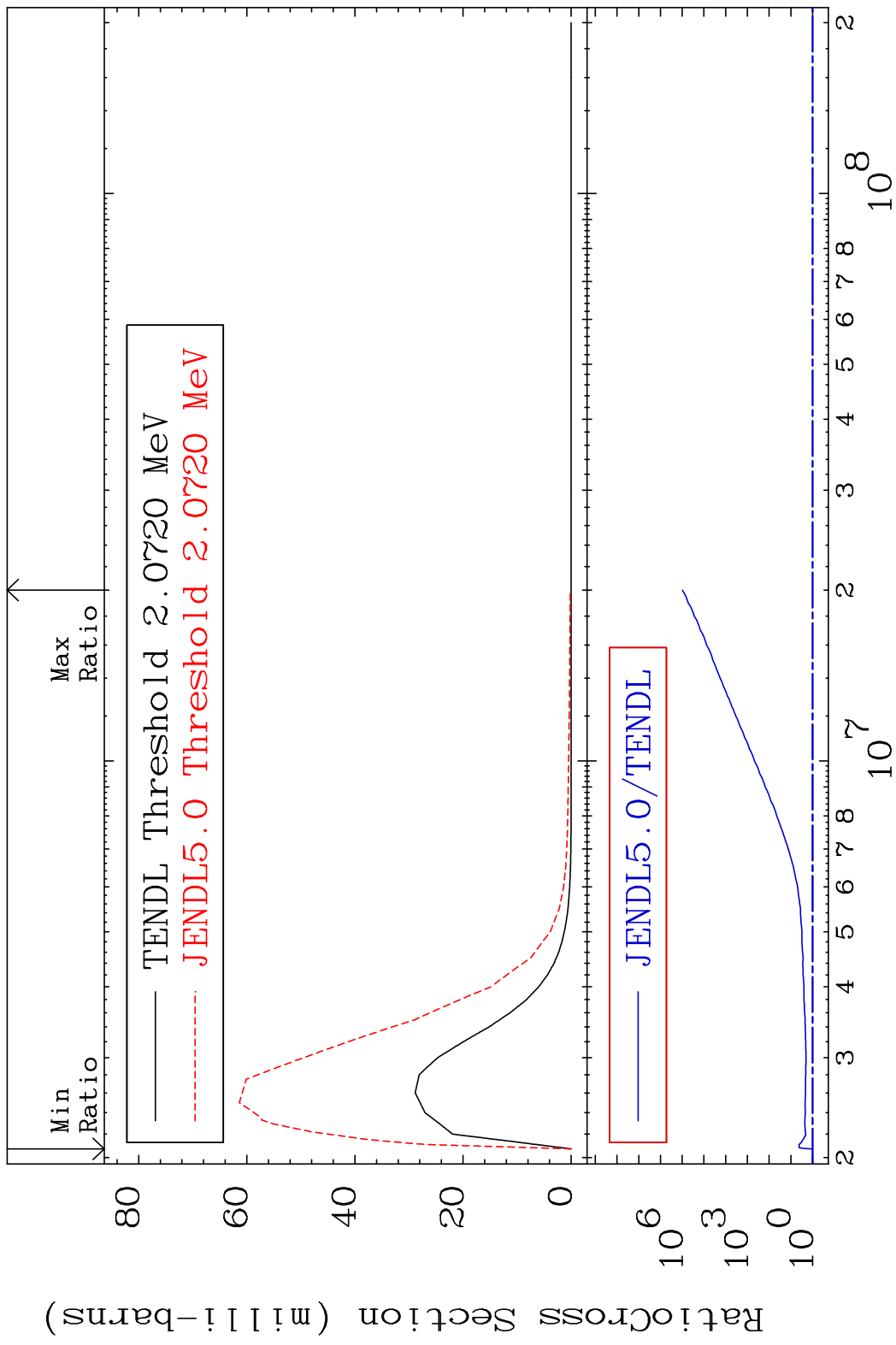
MAT 6237 MT= 69 (n, n') Level 62-Sm-148
 Cross Section 80.33 To 9999. %



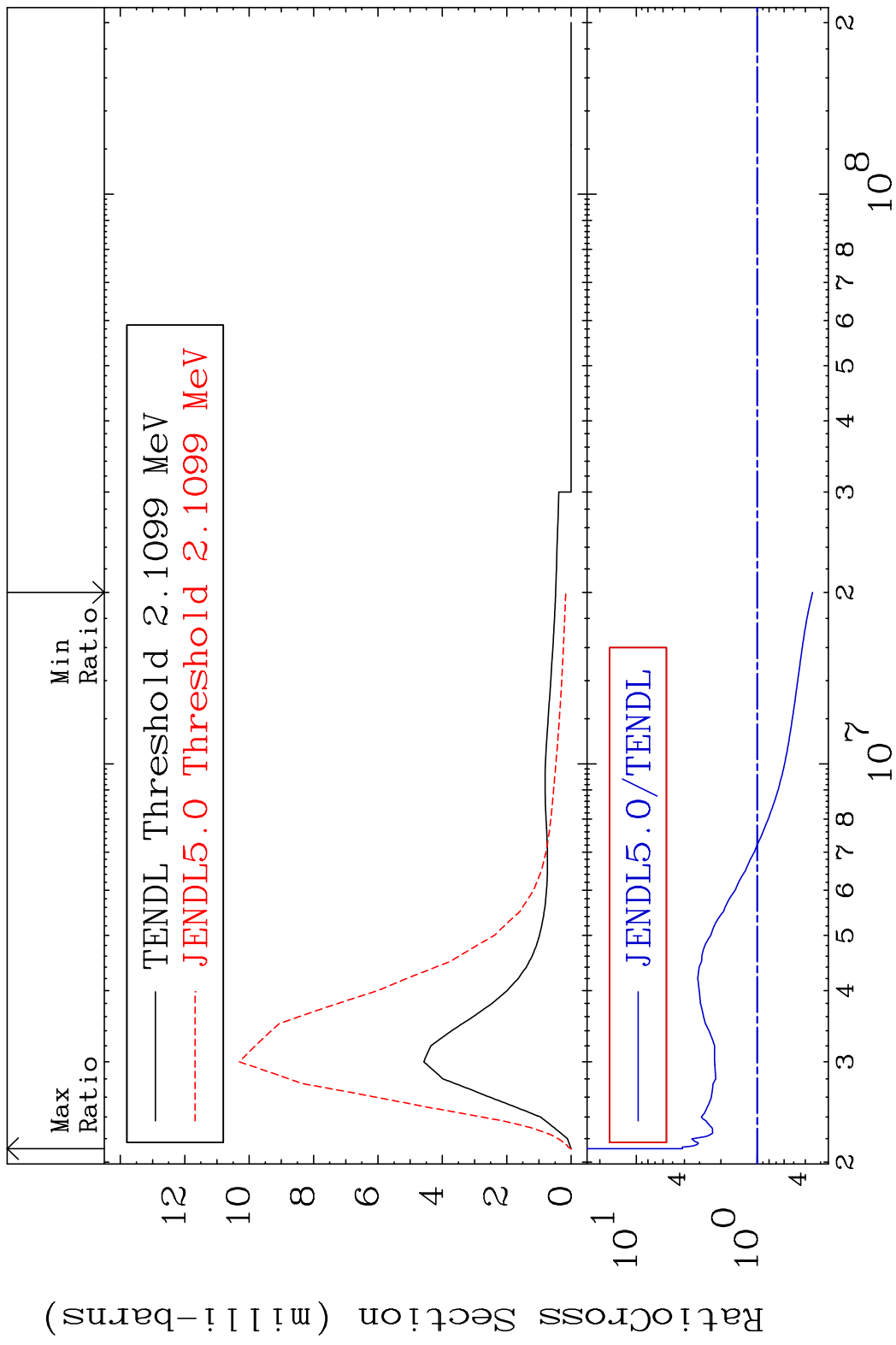
MAT 6237 MT= 70 (n,n') Level 62-Sm-148
 Cross Section -100.0 To 2532. %



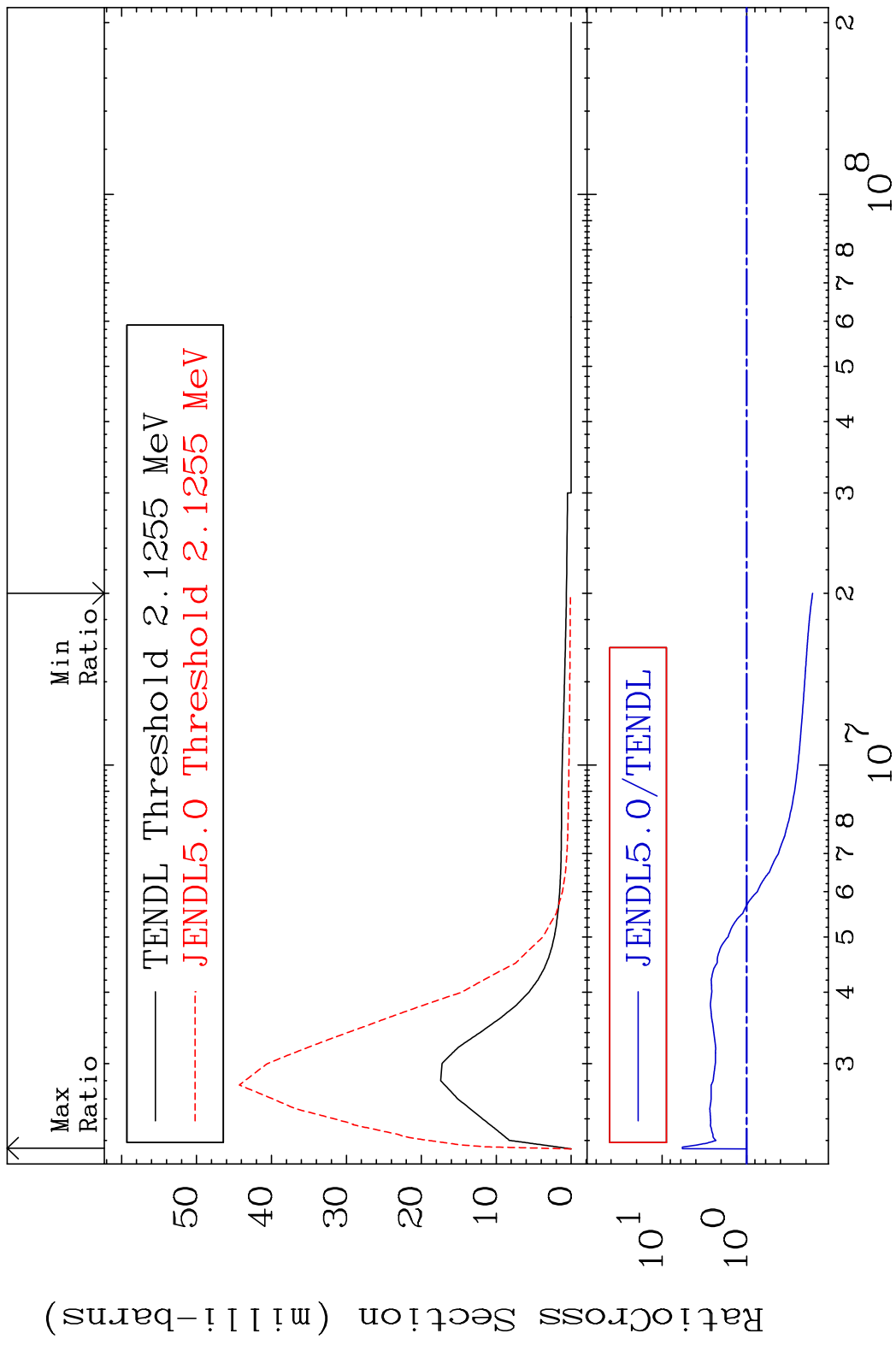
MAT 6237 MT= 71 (n, n') Level 62-Sm-148
 Cross Section 0.000 To 9999. %



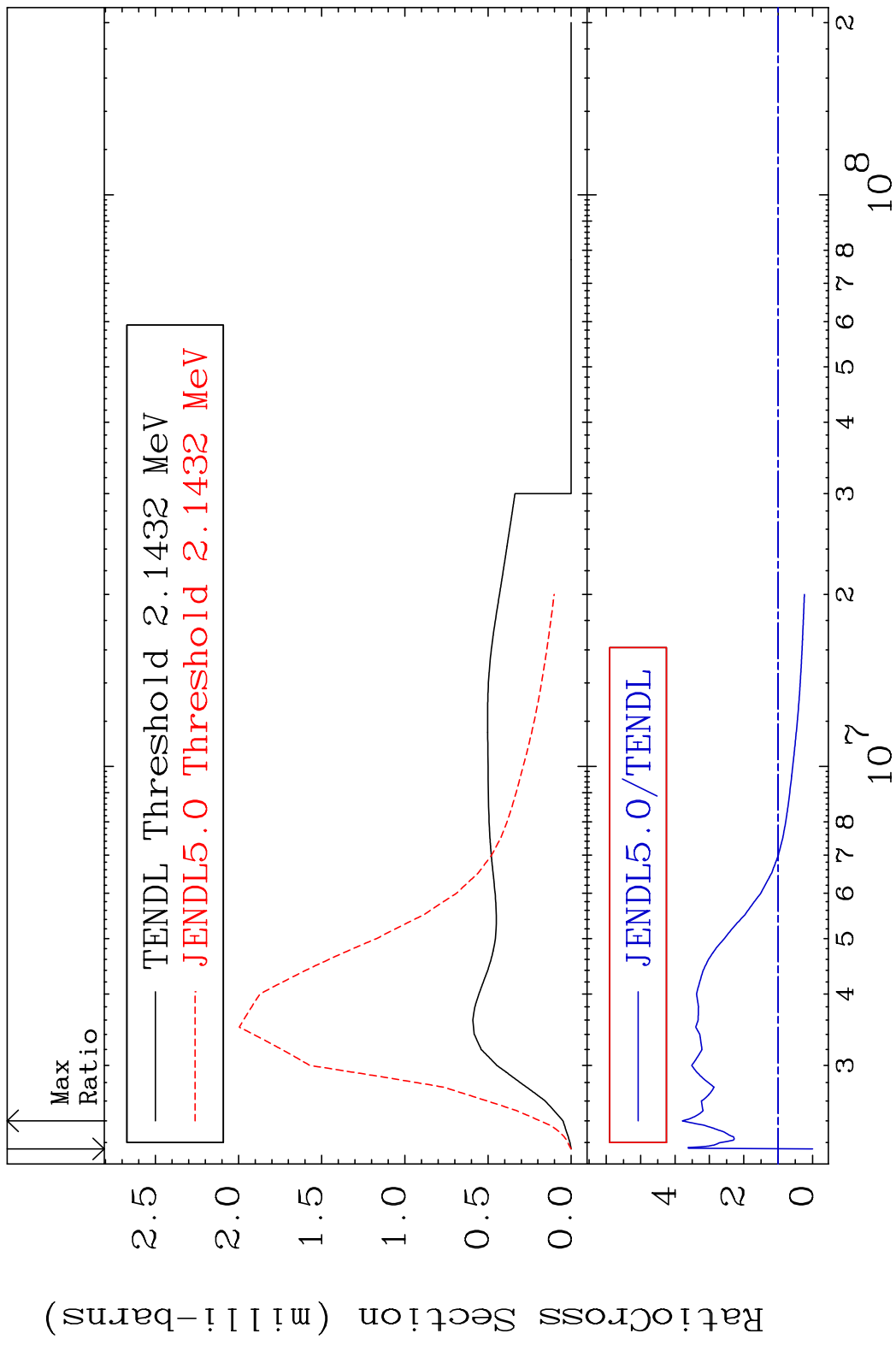
MAT 6237 MT= 72 (n, n') Level 62-Sm-148
 Cross Section -65.08 To 315.8 %



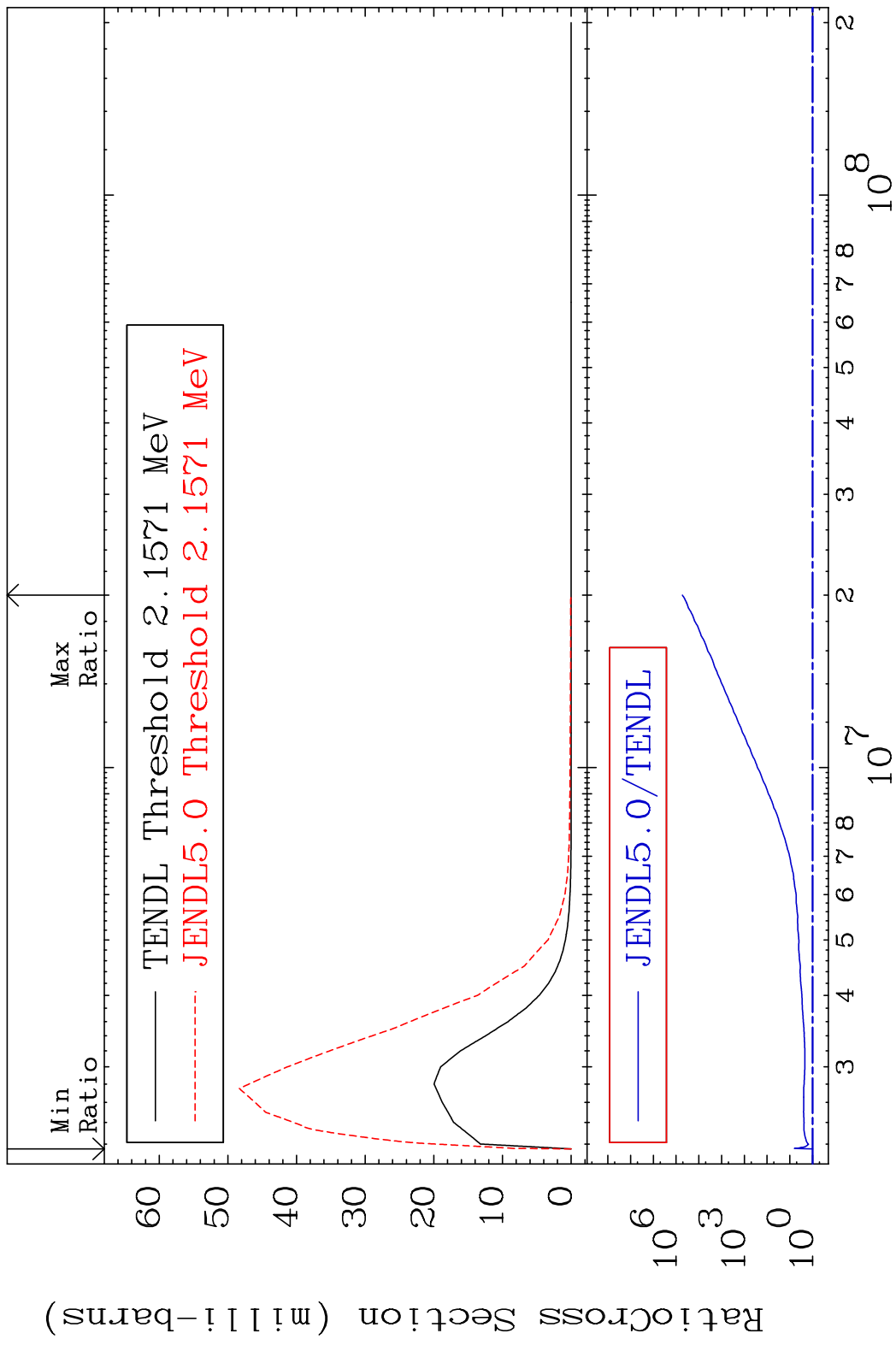
MAT 6237 MT= 73 (n, n') Level 62-Sm-148
 Cross Section -83.29 To 476.0 %



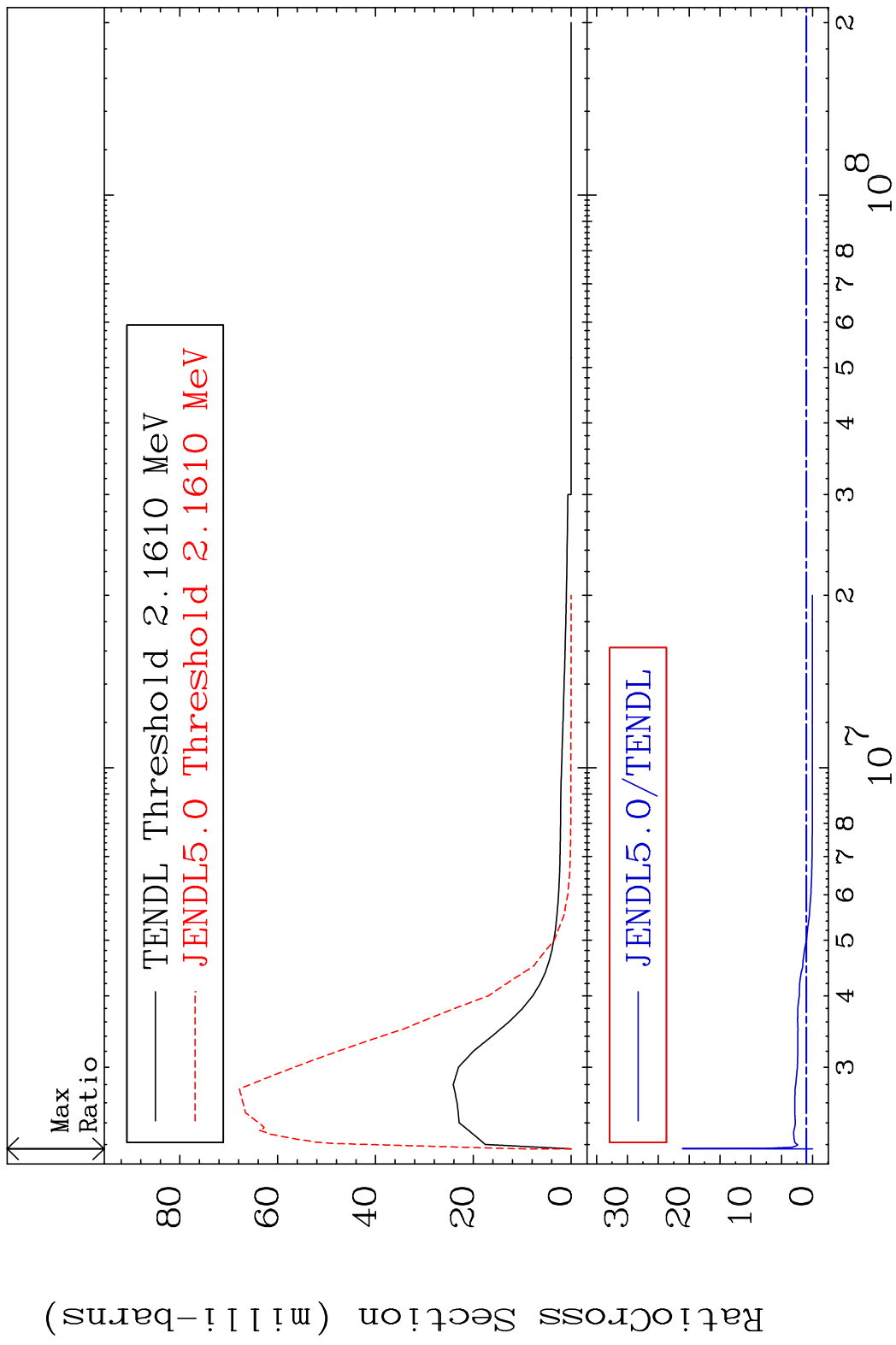
MAT 6237 MT= 74 (n,n') Level 62-Sm-148
 Cross Section -100.0 To 278.7 %



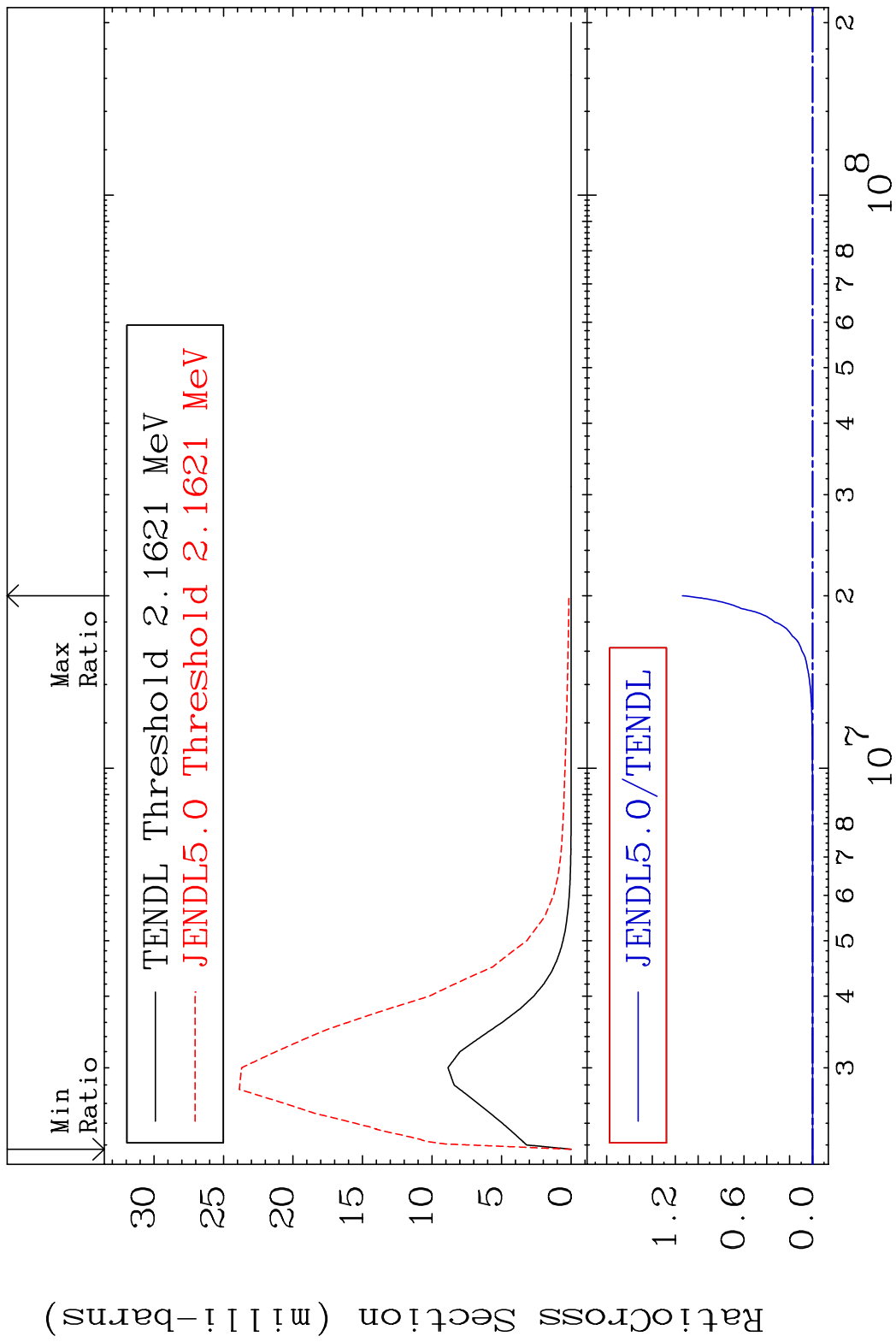
MAT 6237 MT= 75 (n, n') Level 62-Sm-148
 Cross Section 0.000 To 9999. %



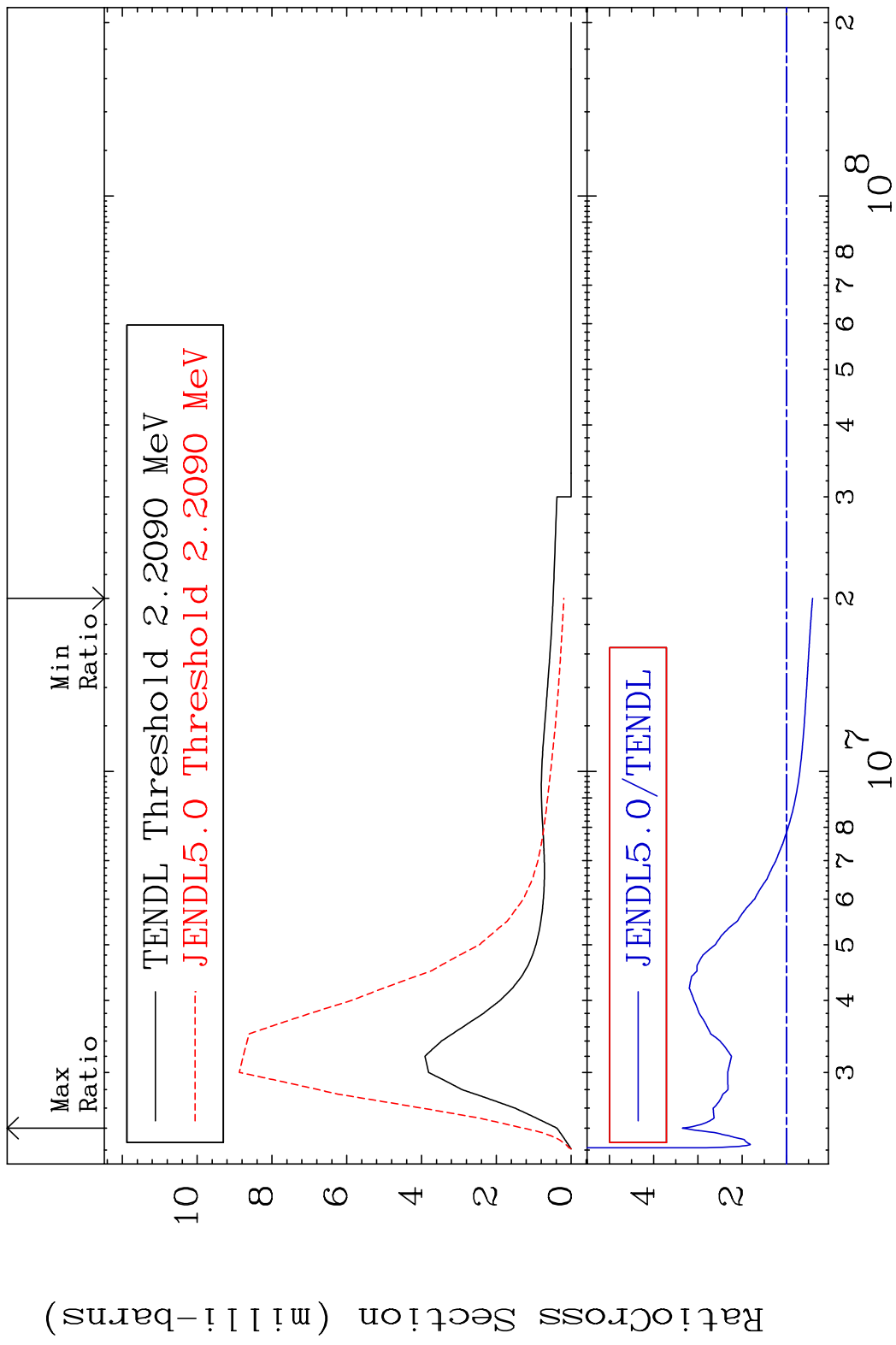
MAT 6237 MT= 76 (n, n') Level 62-Sm-148
 Cross Section -100.0 To 2010. %



MAT 6237 MT= 77 (n, n') Level 62-Sm-148
 Cross Section -100.0 To 9999. %

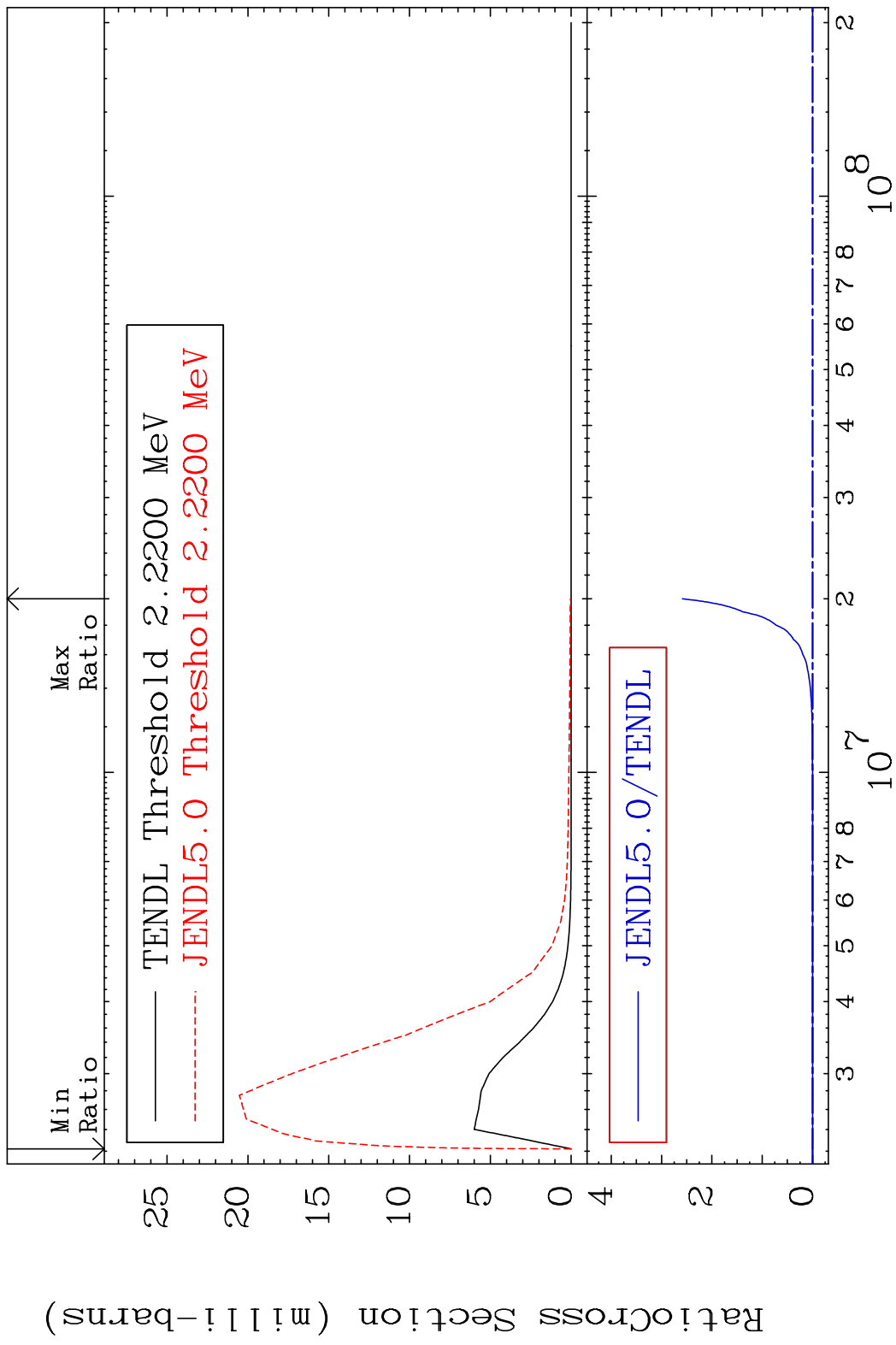


MAT 6237 MT= 78 (n, n') Level 62-Sm-148
 Cross Section -59.27 To 235.2 %

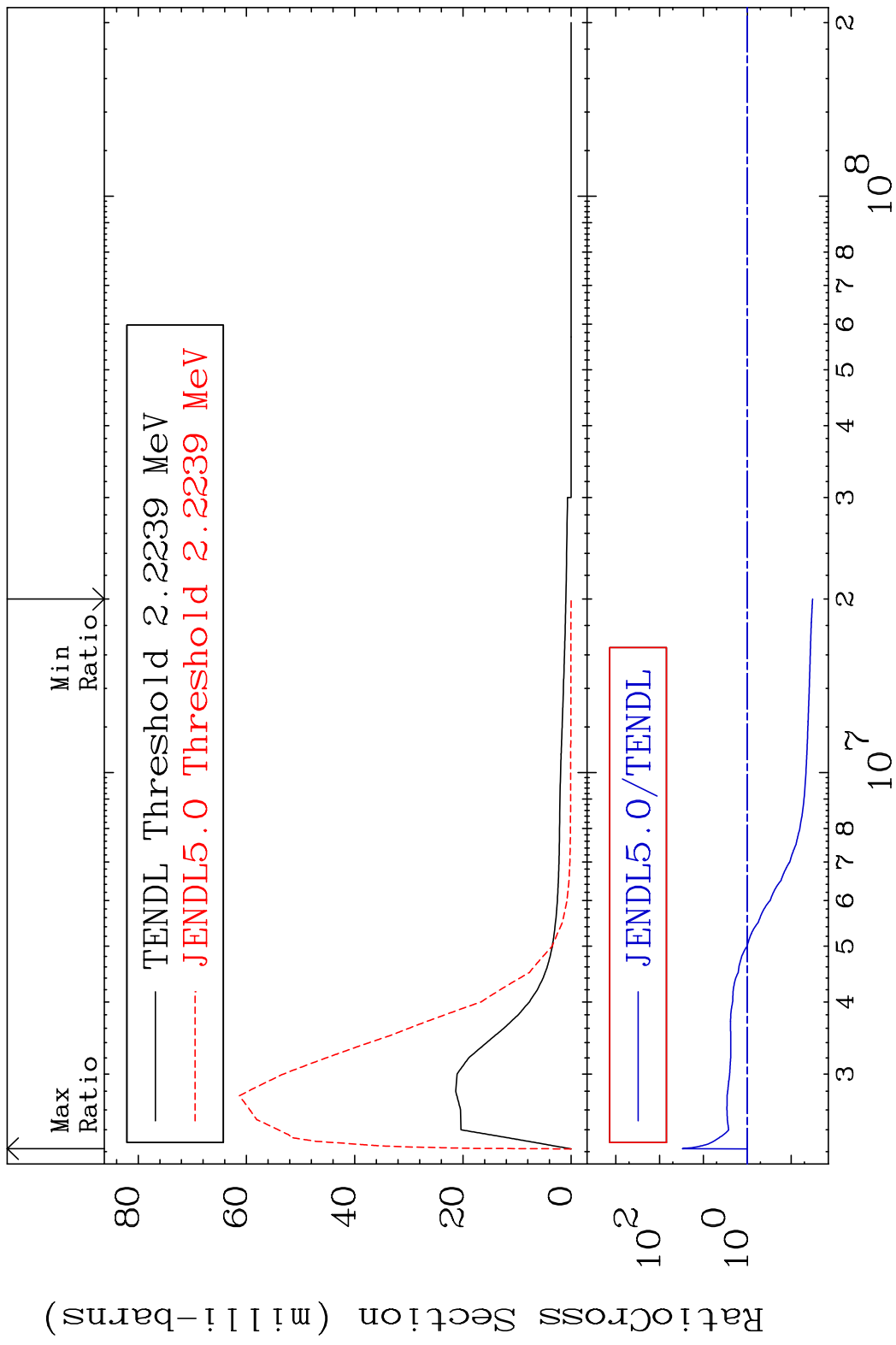


40 Incident Energy (eV) 62-Sm-148

MAT 6237 MT= 79 (n, n') Level 62-Sm-148
 Cross Section -100.0 To 9999. %



MAT 6237 MT= 80 (n, n') Level 62-Sm-148
 Cross Section -96.76 To 2926. %

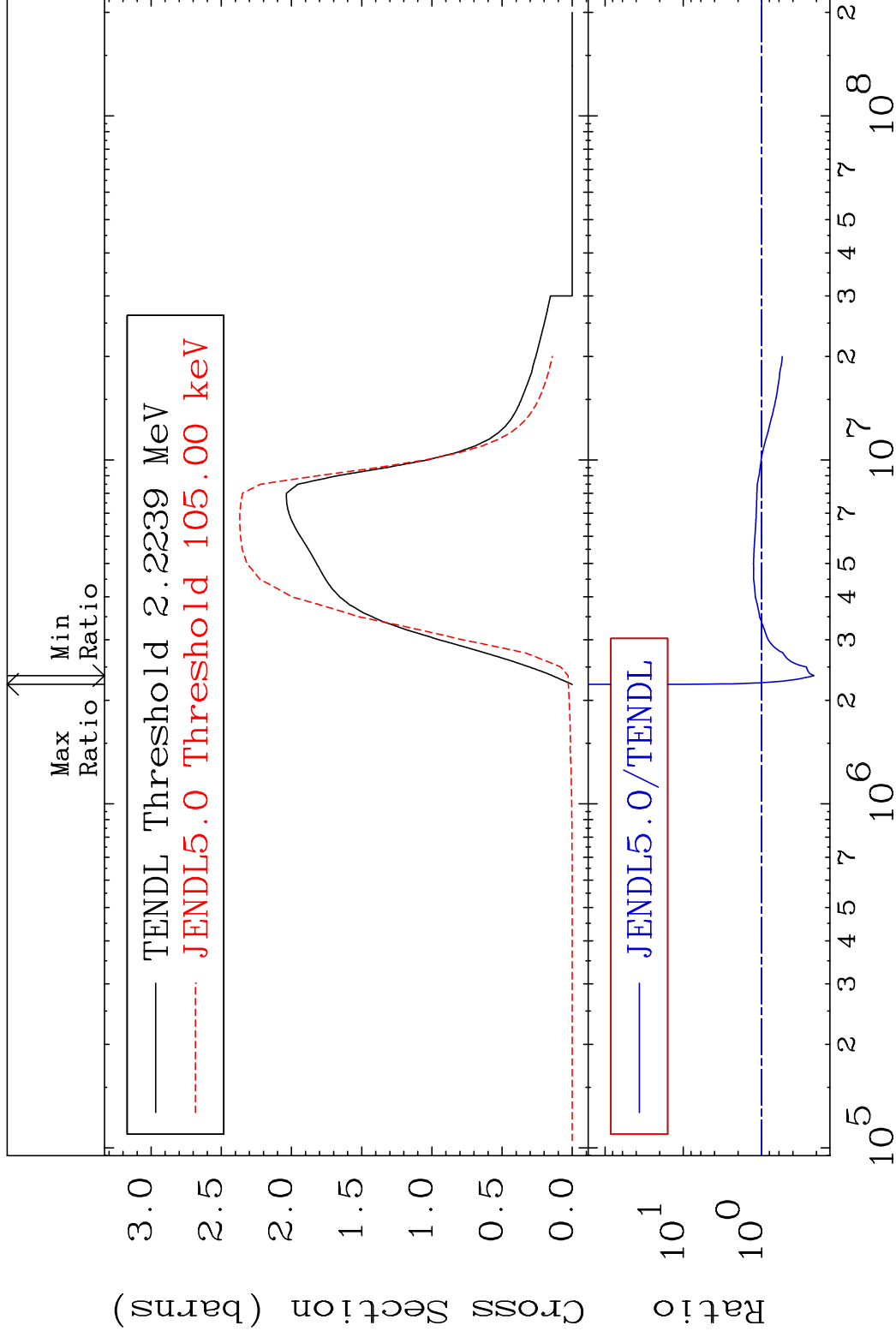


MAT 6237

(n, n') Continuum

62-Sm-148

Cross Section -78.58 To 890.7 %



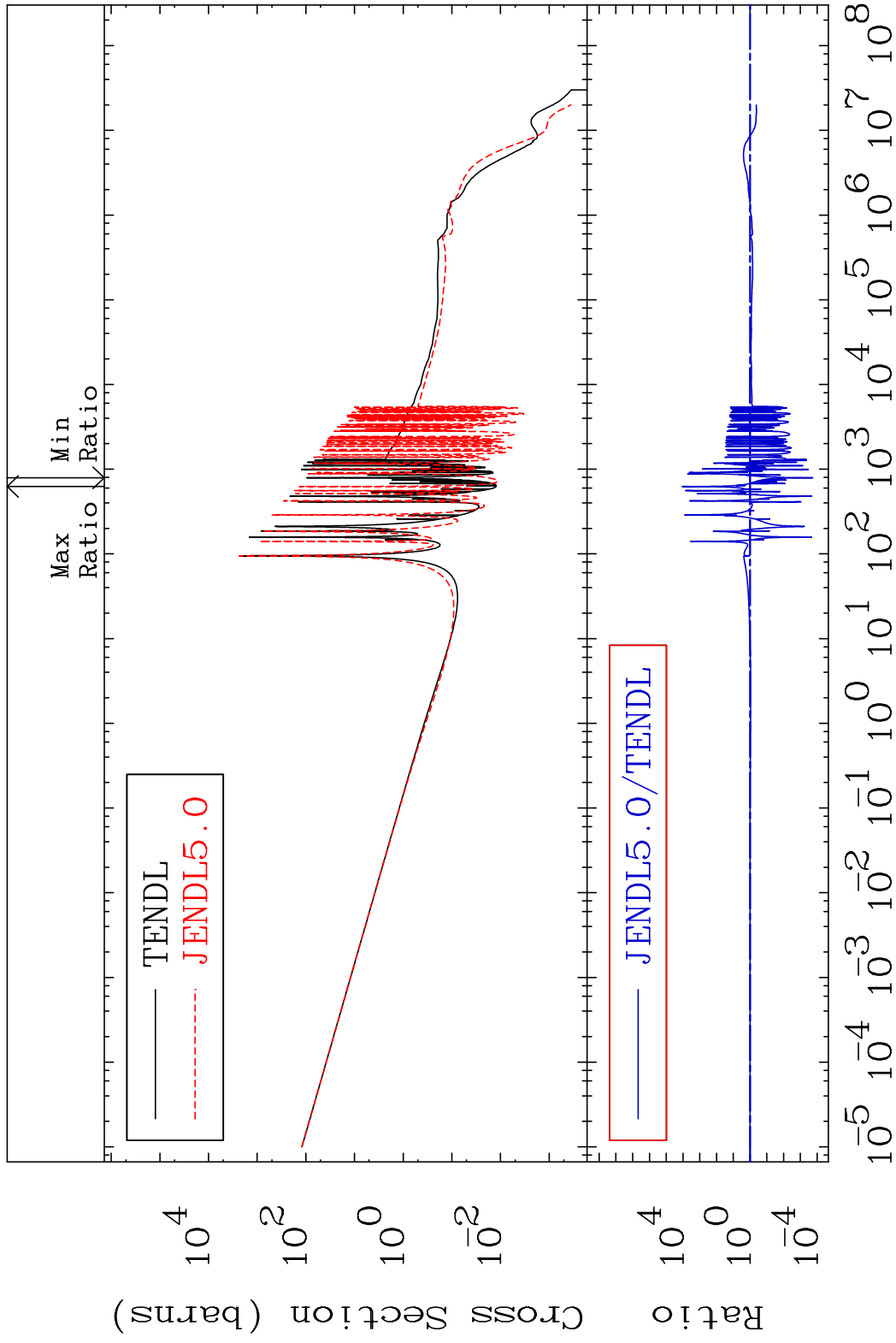
43

Incident Energy (eV)

62-Sm-148

MAT 6237

(n, γ)
Cross Section -99.98 To 9999. %
62-Sm-148



44

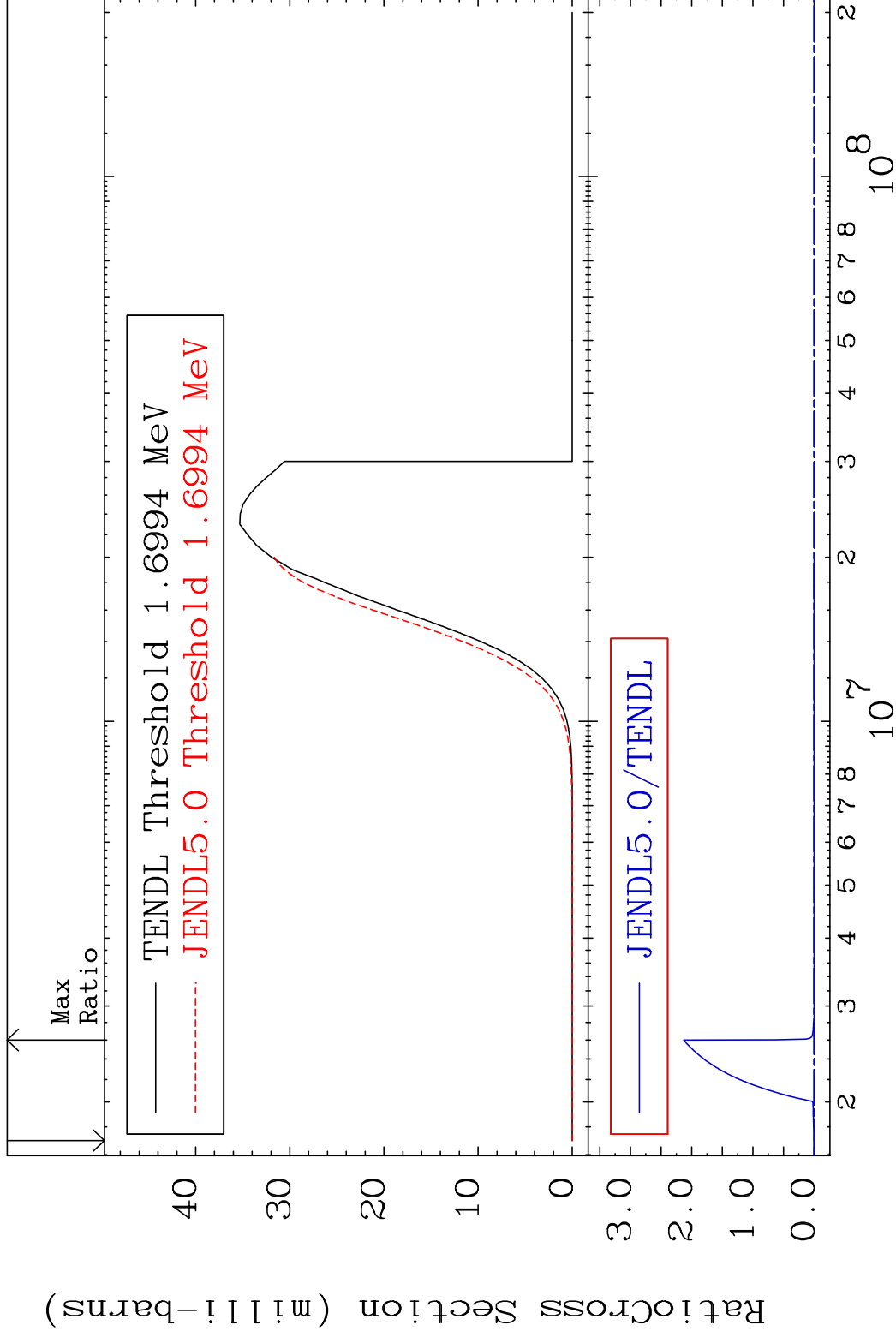
Incident Energy (eV) 62-Sm-148

MAT 6237

(n, p)

62-Sm-148

Cross Section -100.0 To 9999. %



45

Incident Energy (eV)

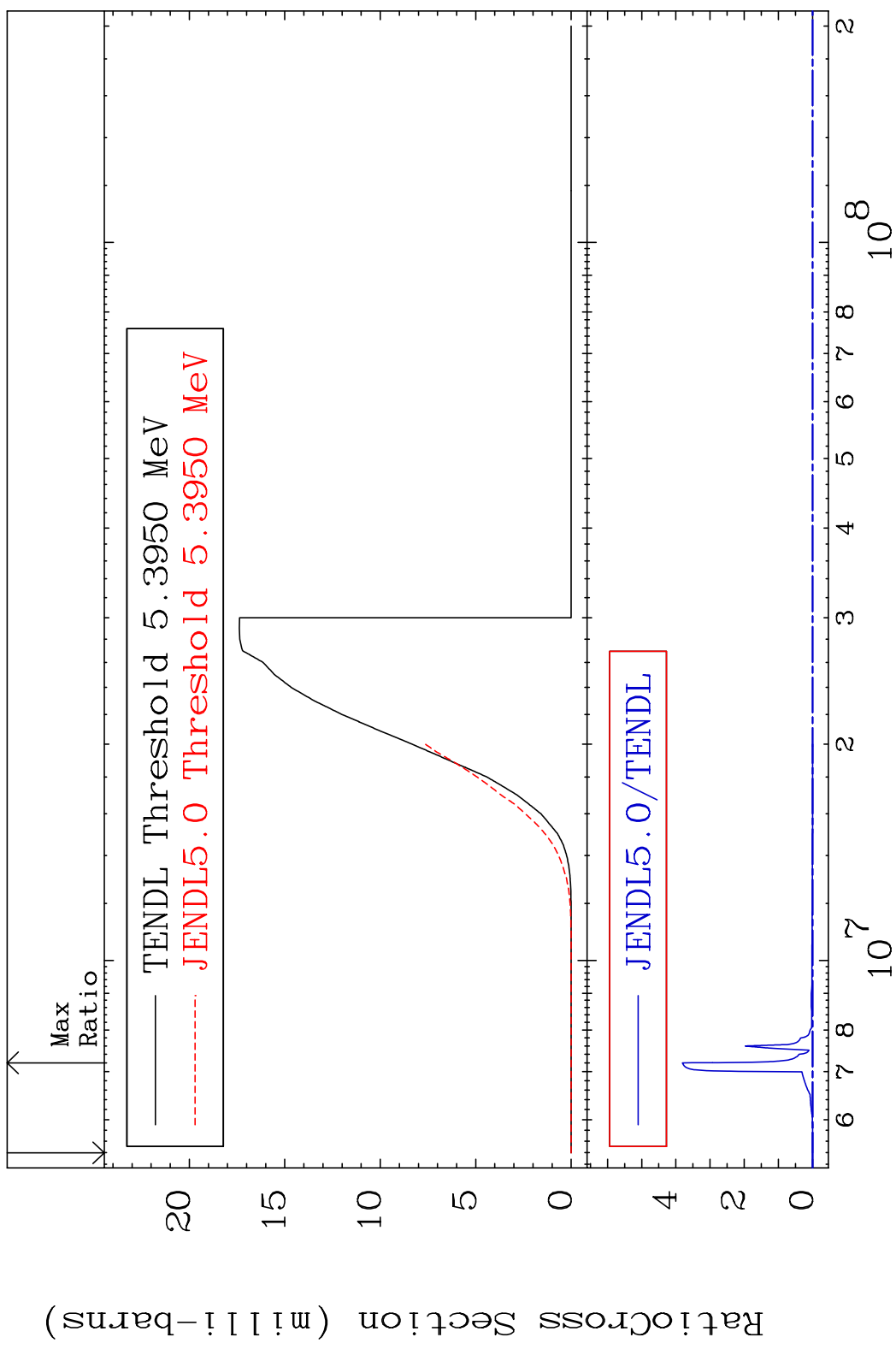
62-Sm-148

MAT 6237

(n,d)

62-Sm-148

Cross Section -100.0 To 9999. %



46

Incident Energy (eV)

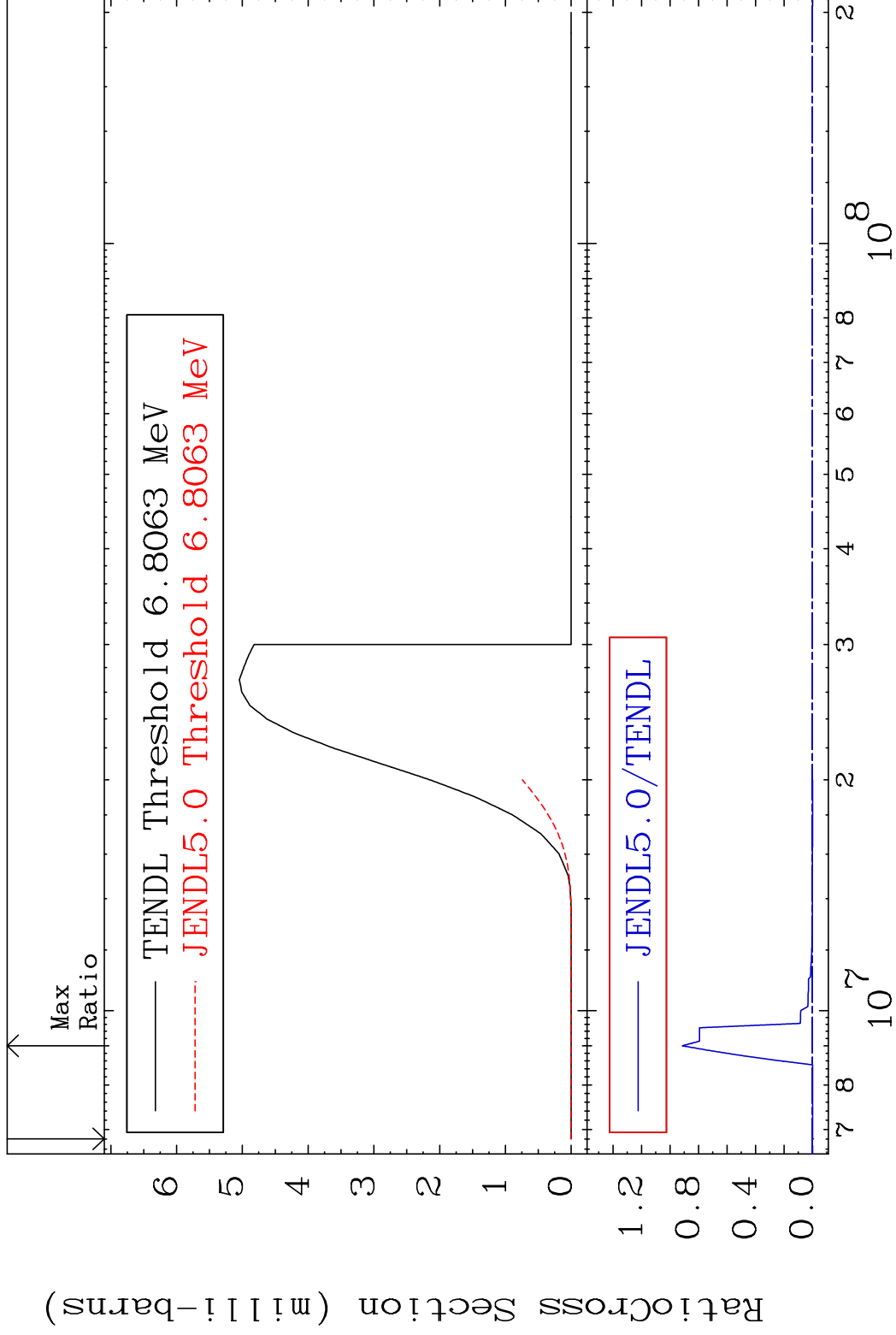
62-Sm-148

MAT 6237

(n, t)

62-Sm-148

Cross Section -100.0 To 9999. %



47

Incident Energy (eV)

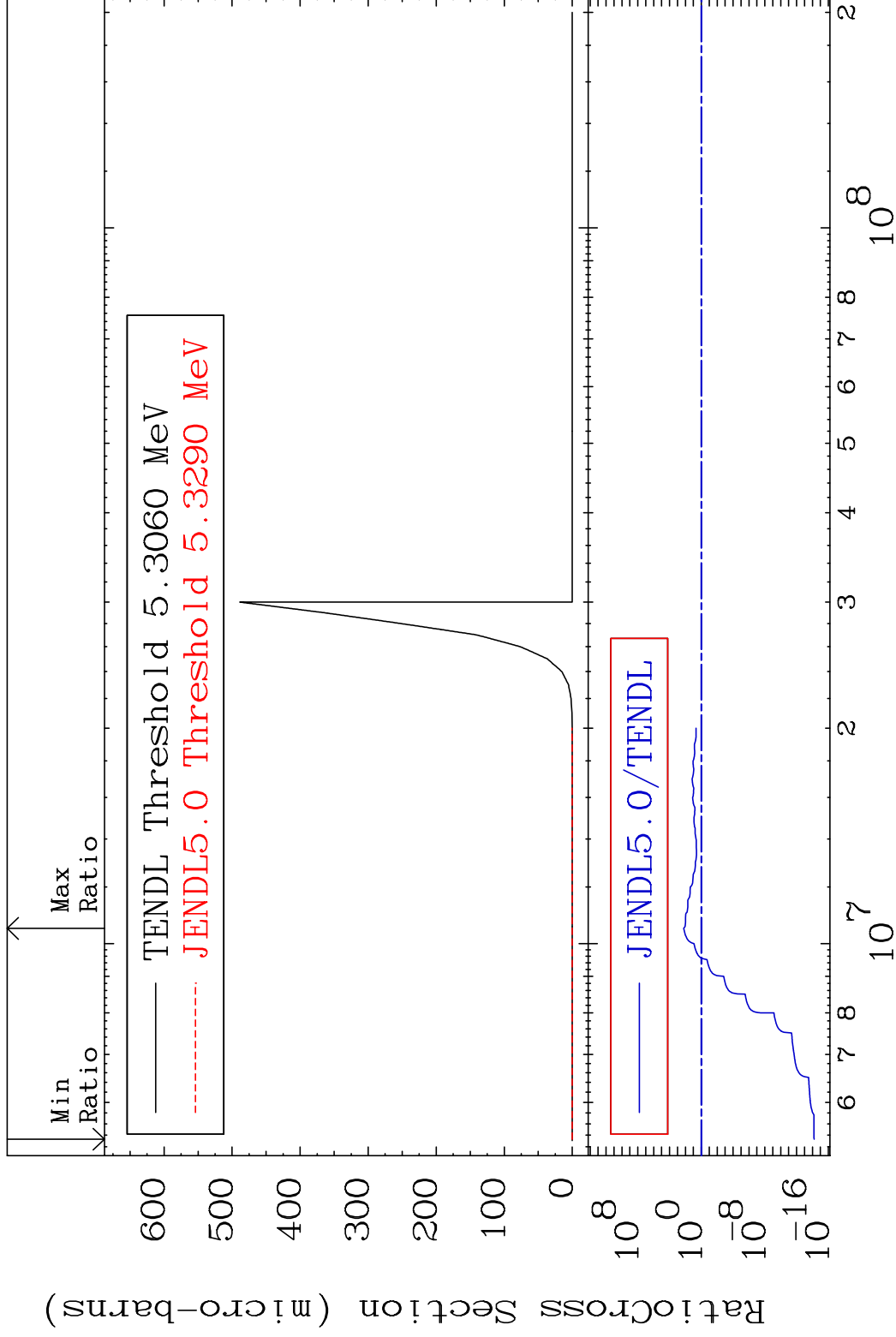
62-Sm-148

MAT 6237

(n, He-3)

62-Sm-148

Cross Section -100.0 To 9999. %



48

Incident Energy (eV)

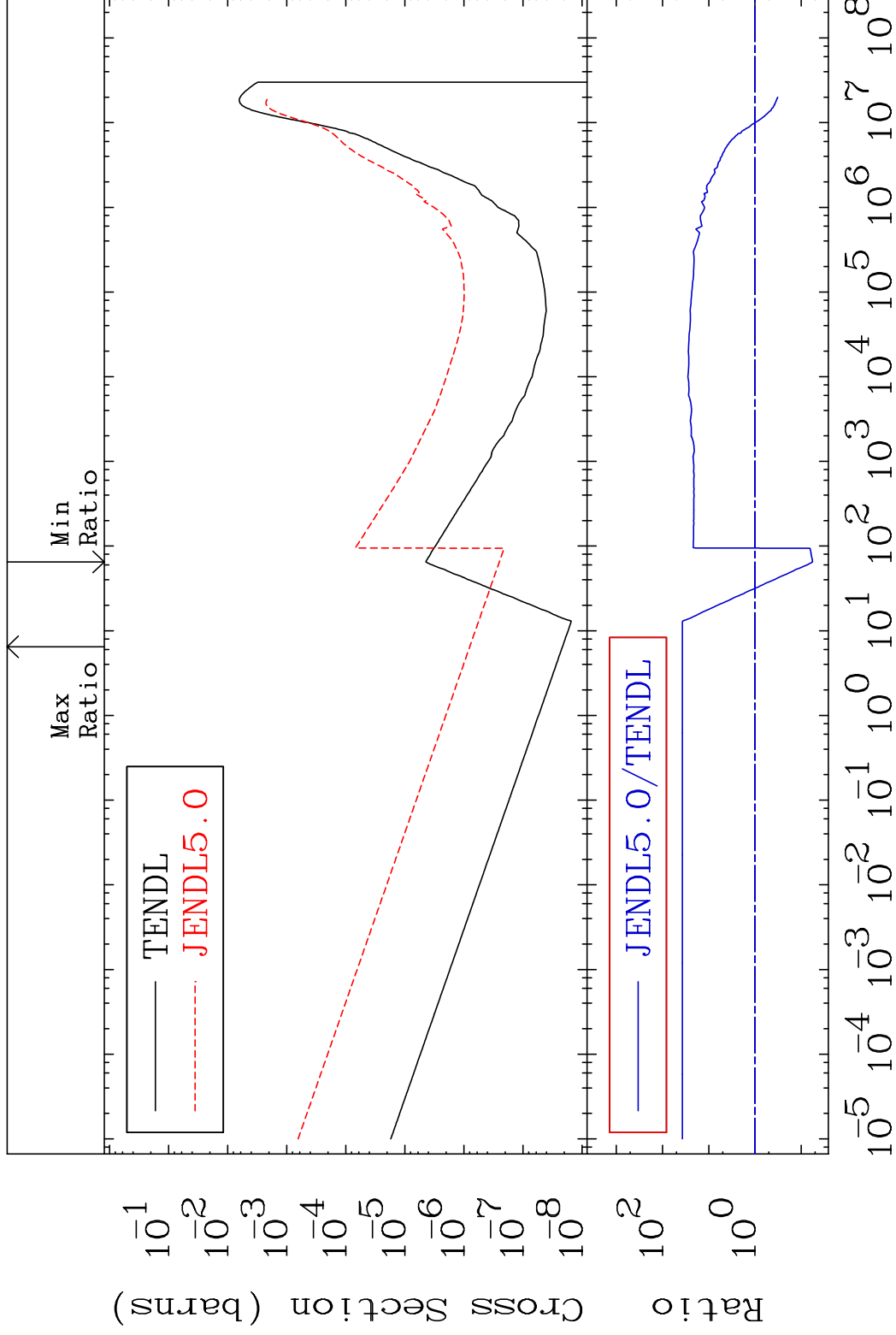
62-Sm-148

MAT 6237

(n, α)

62-Sm-148

Cross Section -94.31 To 3621. %



49

Incident Energy (eV)

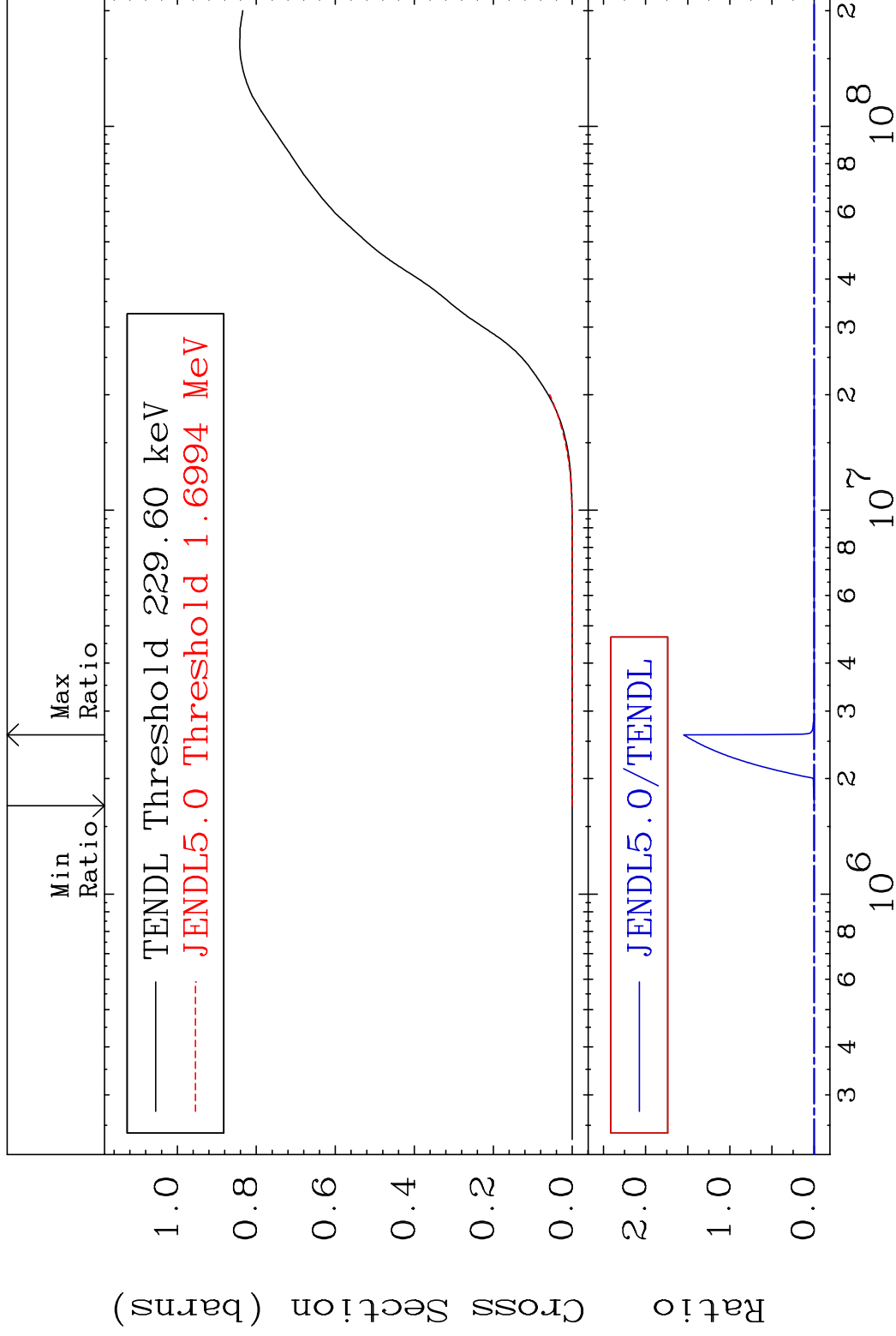
62-Sm-148

MAT 6237

Hydrogen Production

62-Sm-148

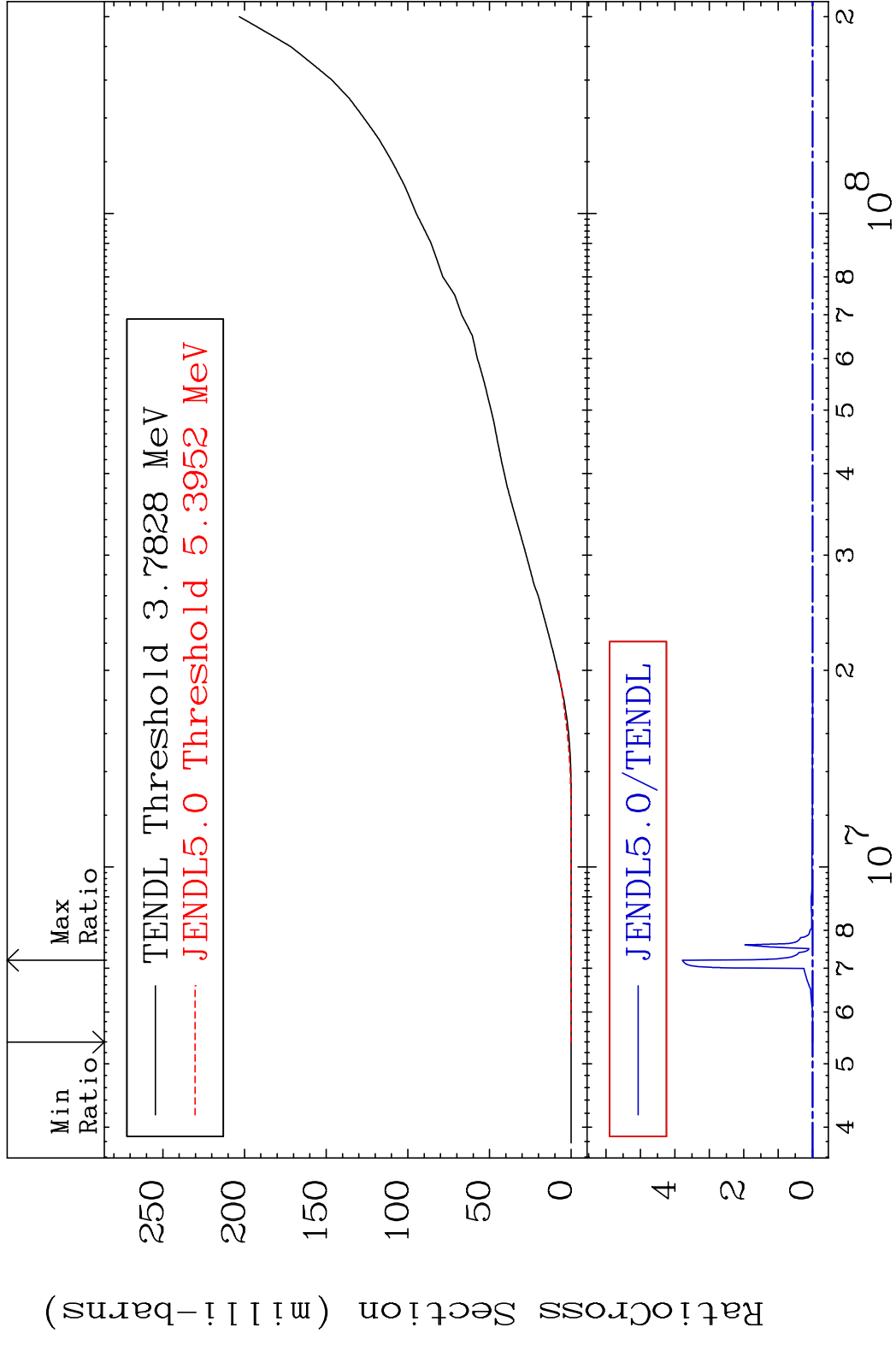
Cross Section -100.0 To 9999. %



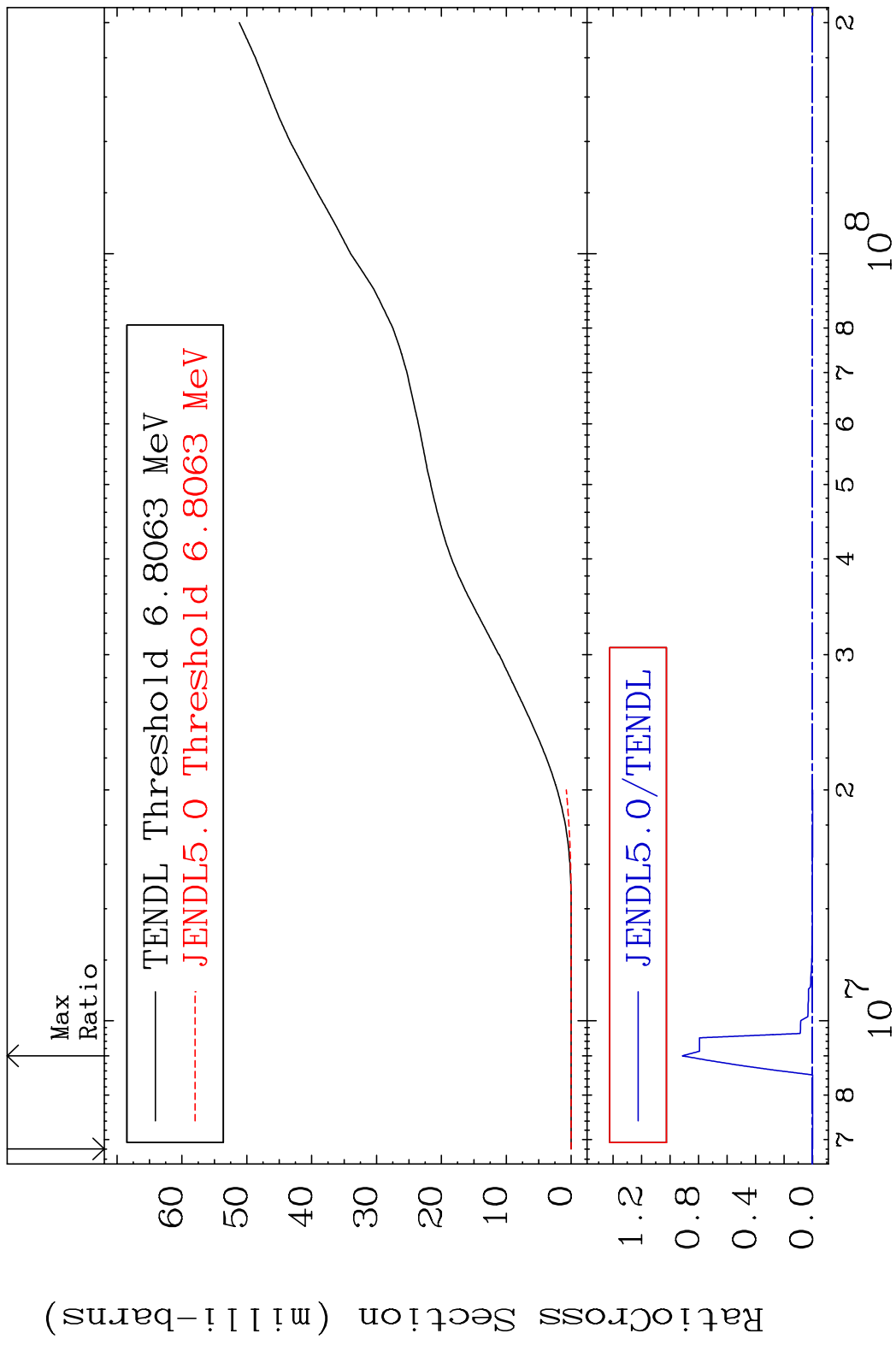
50

Incident Energy (eV)

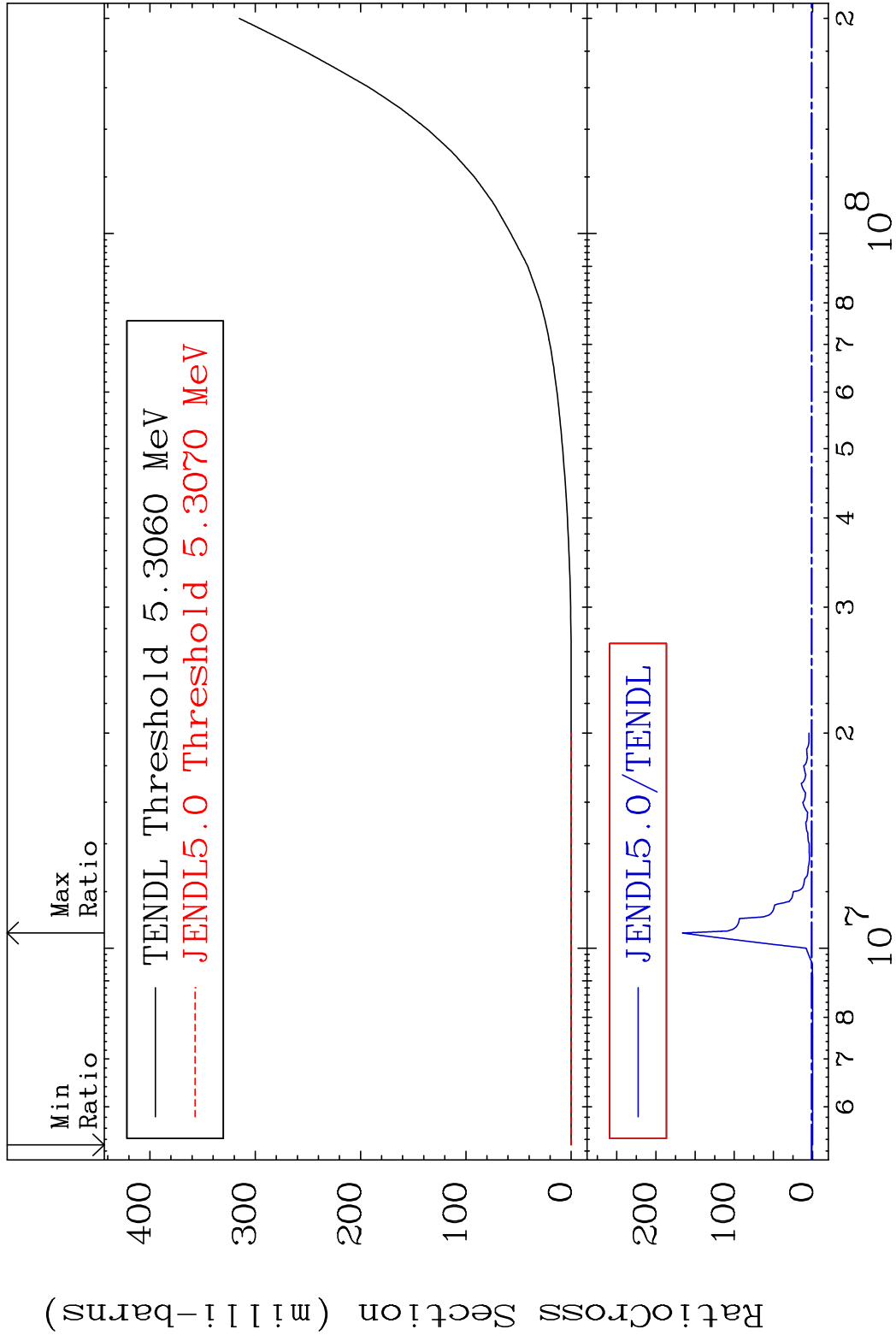
62-Sm-148



MAT 6237 Tritium Production 62-Sm-148
 Cross Section -100.0 To 9999. %



Cross Section -100.0 To 9999. %

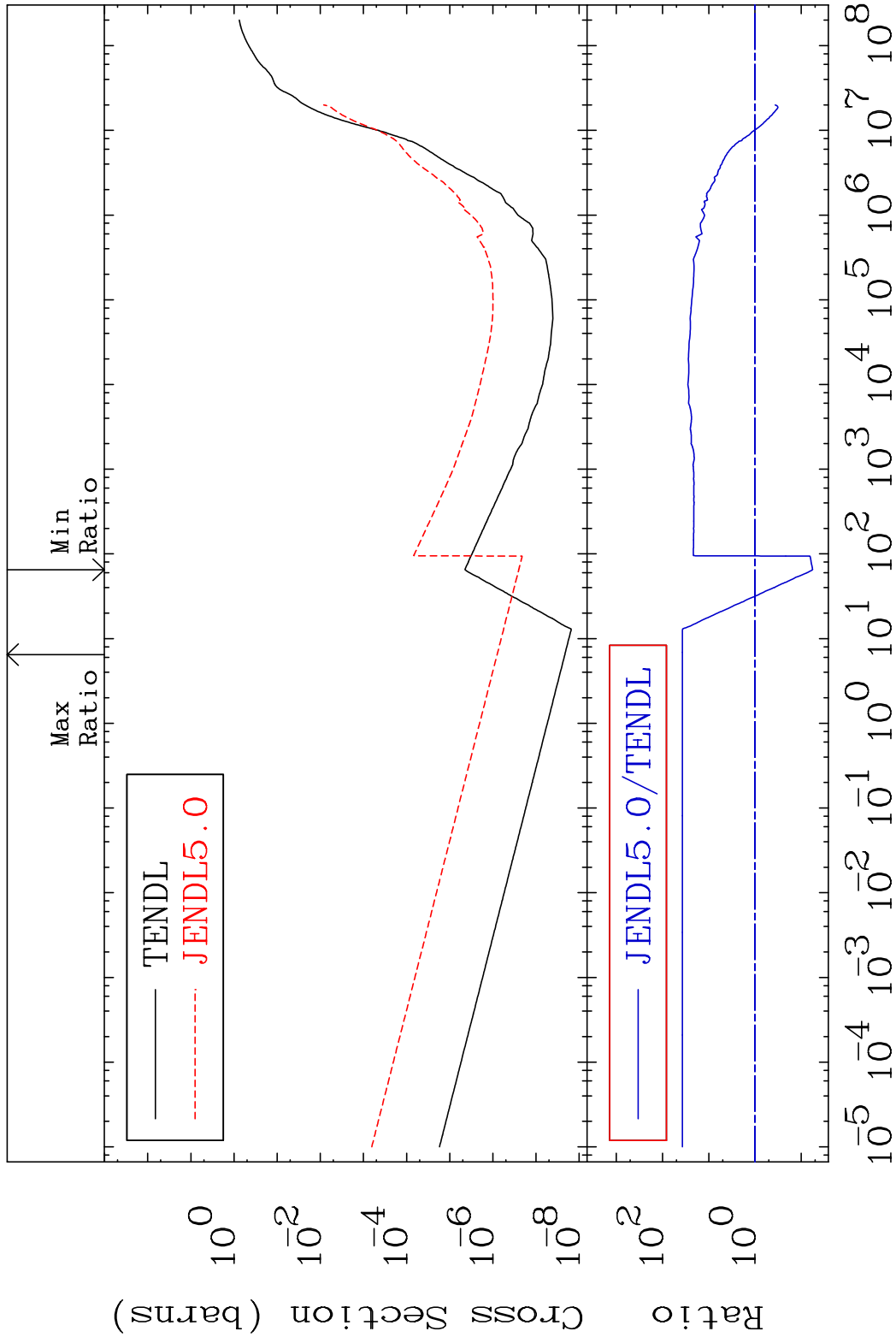


MAT 6237

He-4 Production

62-Sm-148

Cross Section -94.31 To 3621. %

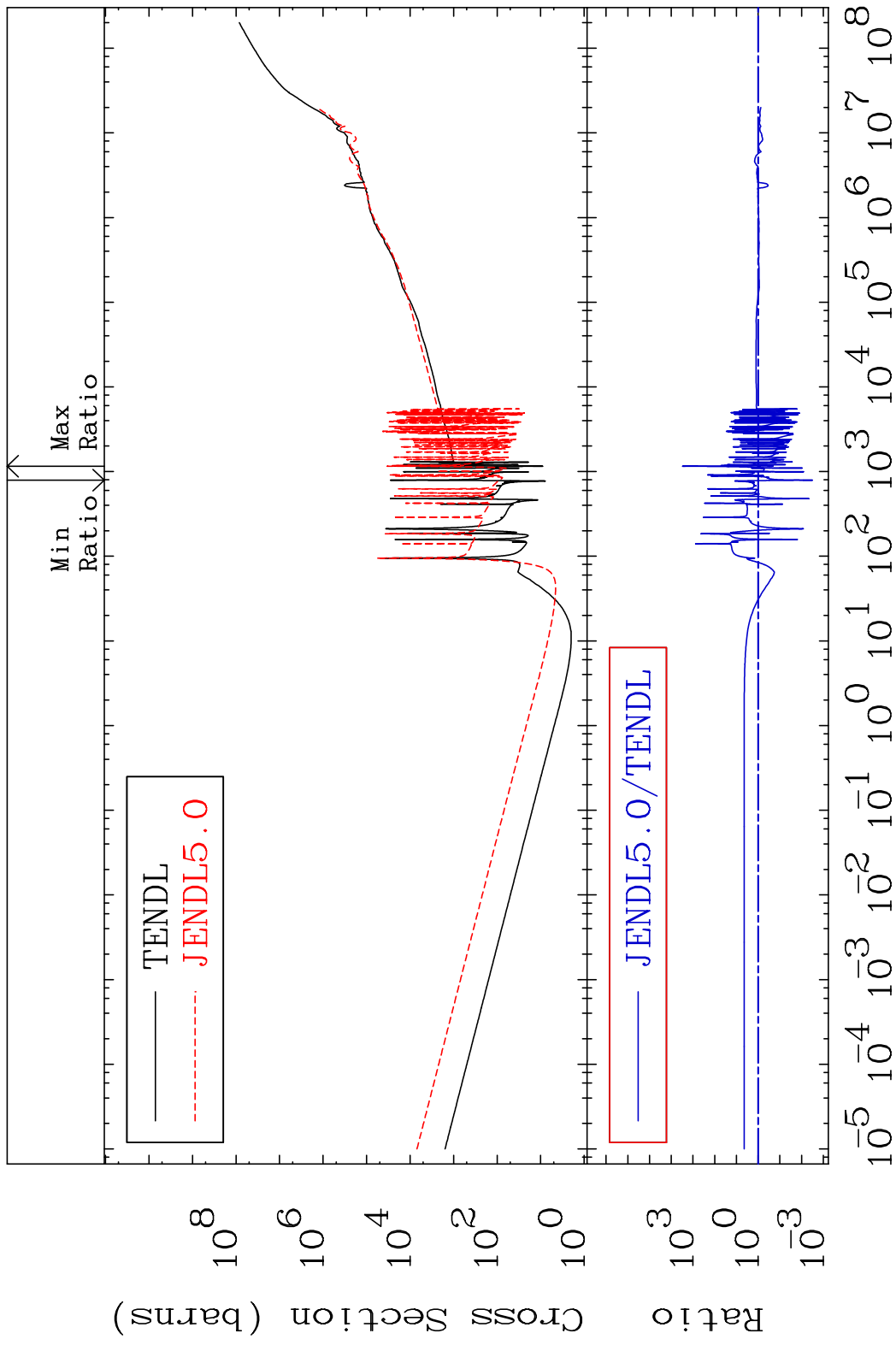


54

Incident Energy (eV)

62-Sm-148

MAT 6237 Kerma total (eV-barns) 62-Sm-148
 Cross Section -99.69 To 9999. %



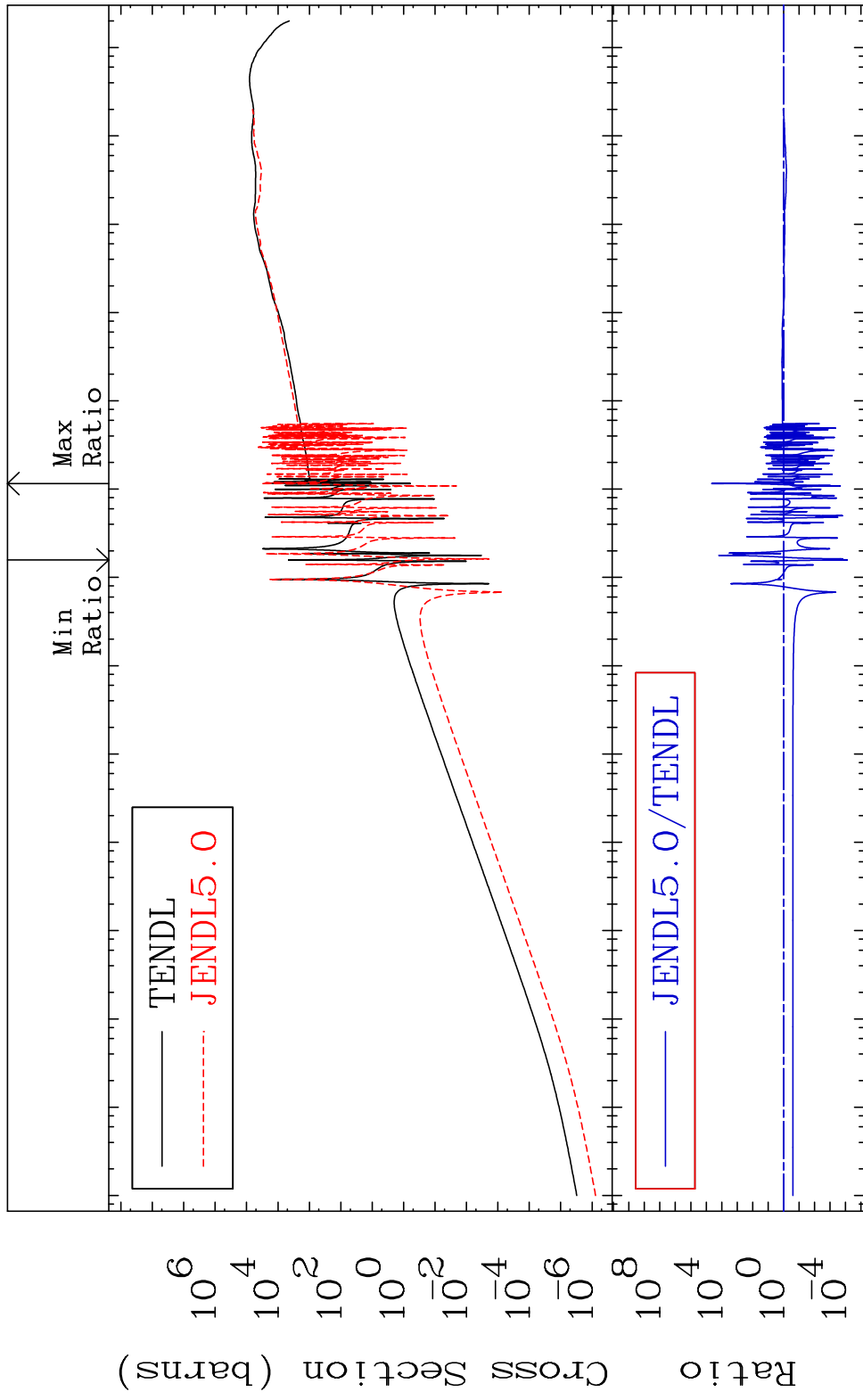
55 Incident Energy (eV) 62-Sm-148

MAT 6237

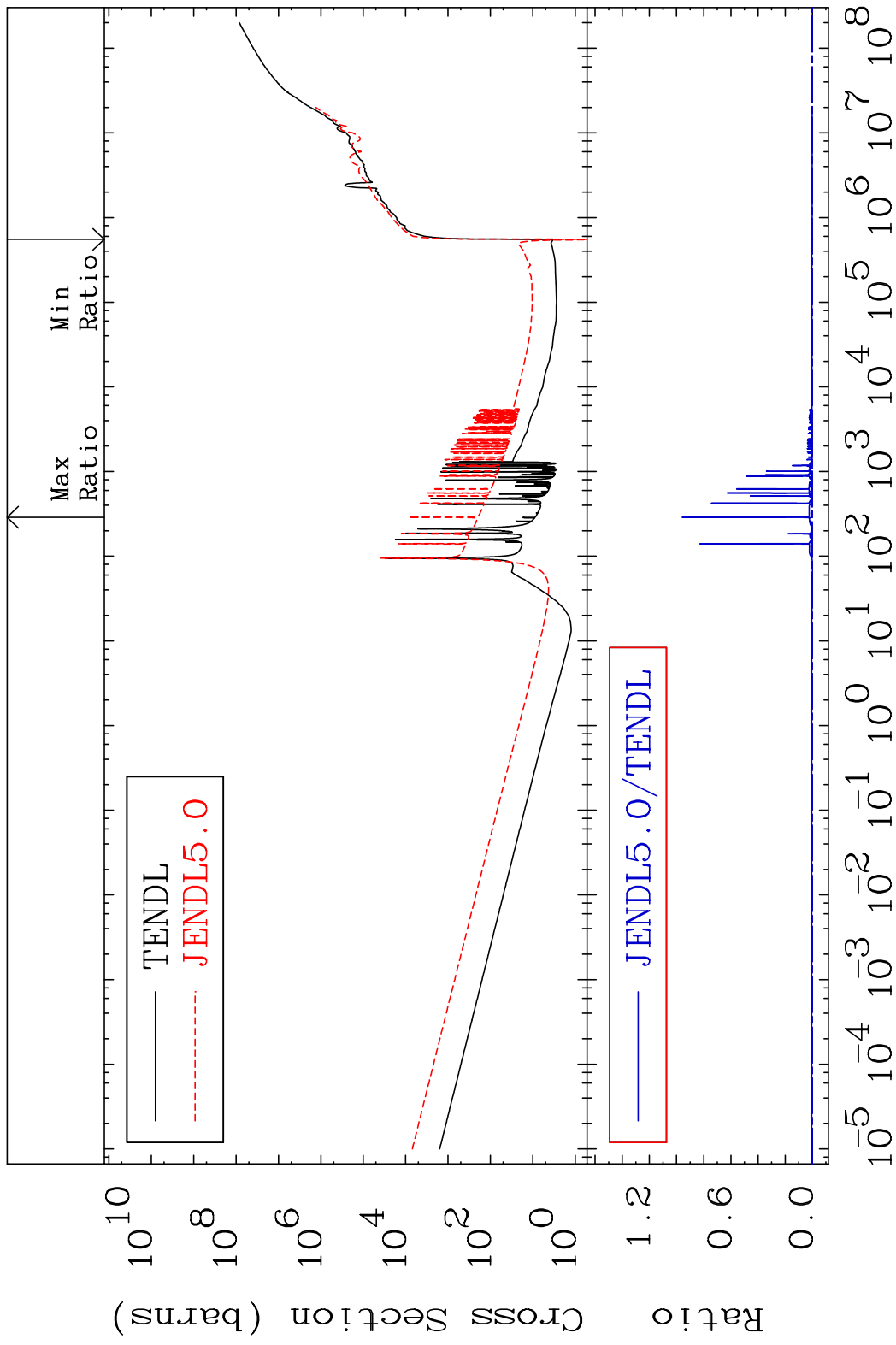
Kerma elastic
Cross Section

62-Sm-148

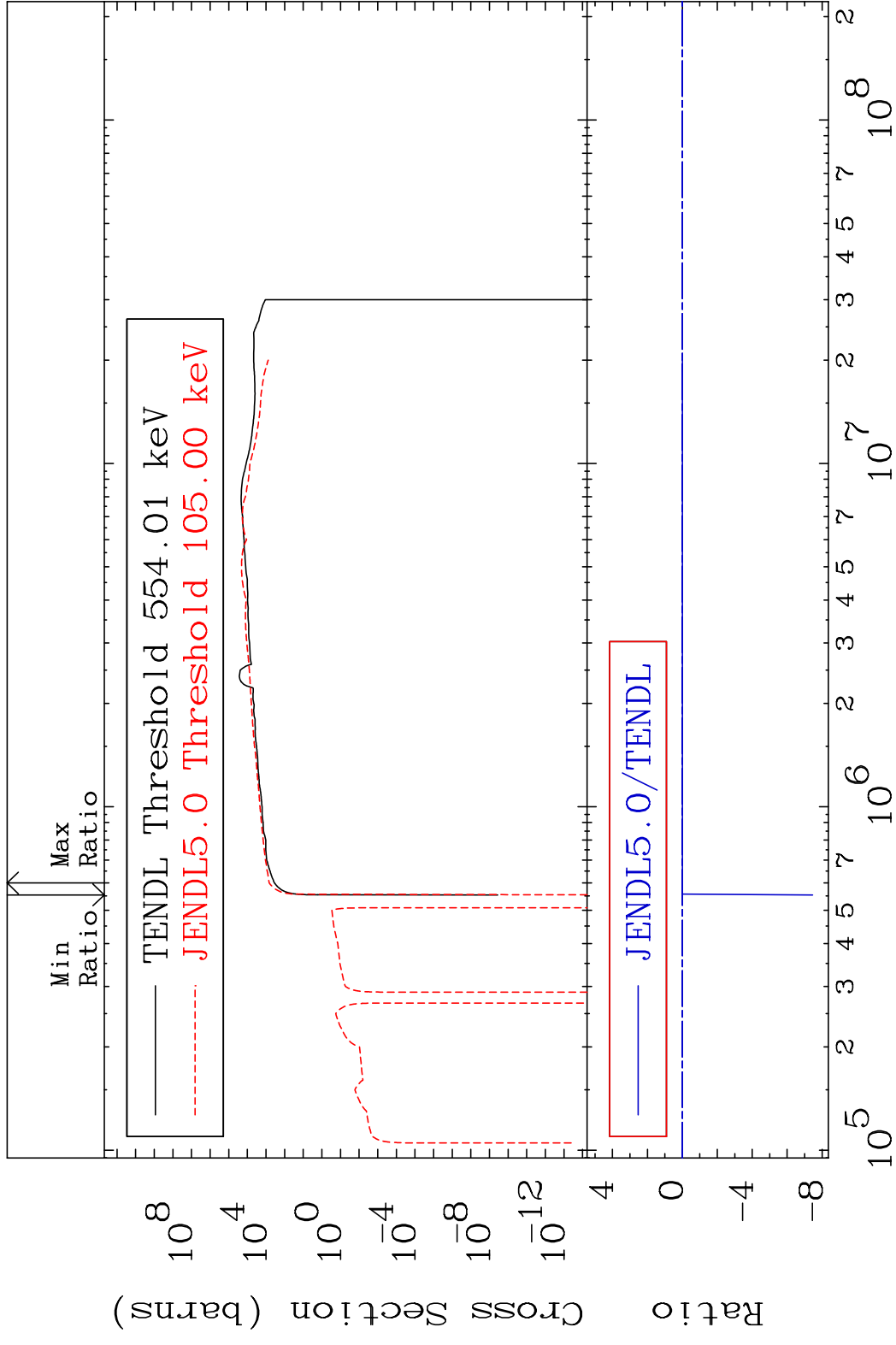
-99.99 To 9999. %



MAT 6237 Kerma non-elastic (all but mt2) 62-Sm-148
 Cross Section -255.3 To 9999. %

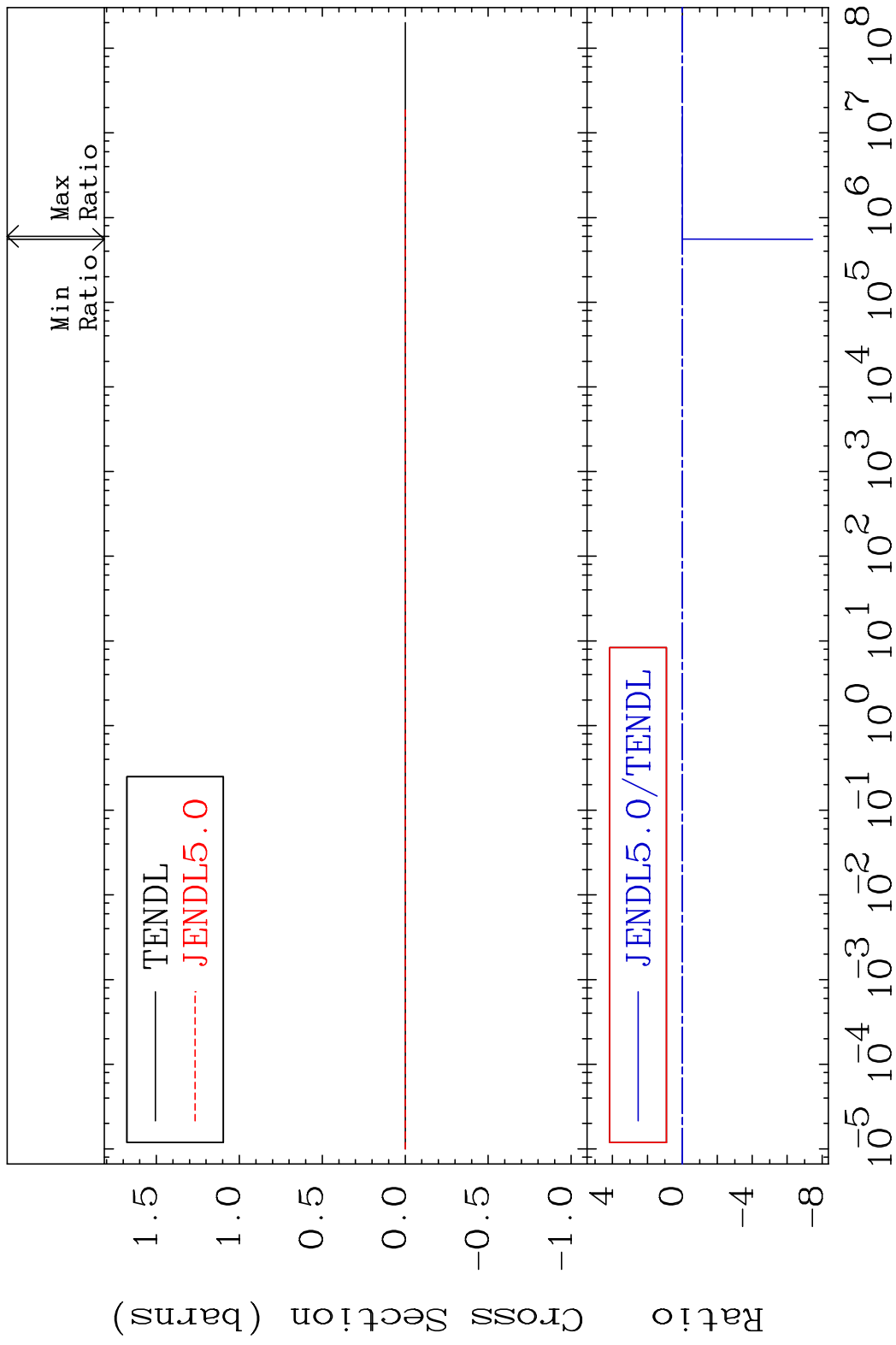


MAT 6237 Kerma inelastic (mt51-91) 62-Sm-148
 Cross Section -9999. To 92.08 %



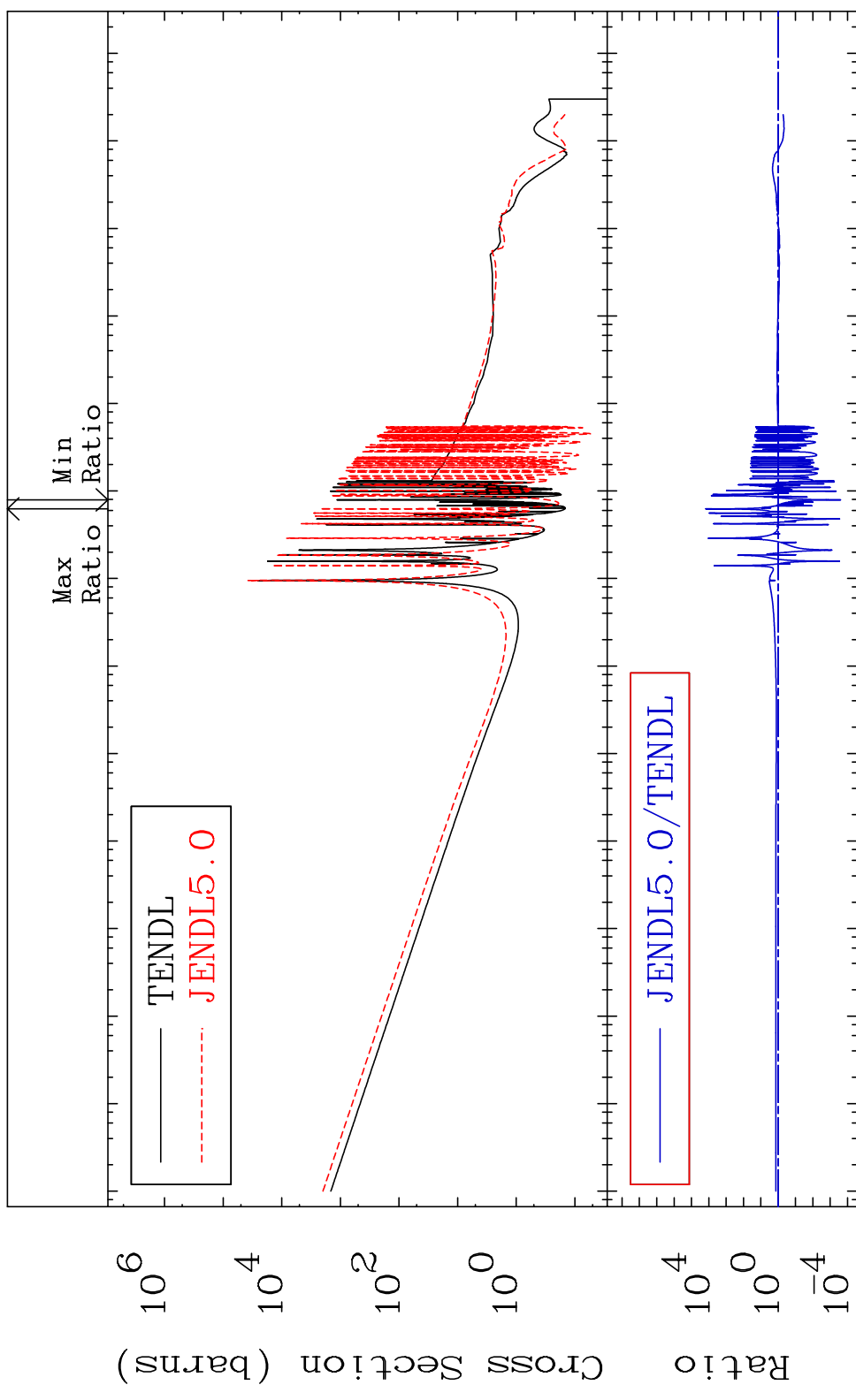
58 Incident Energy (eV) 62-Sm-148

MAT 6237 Kerma fission (mt18 or mt19-20-21-38) ^{62}Sm -148
 Cross Section -9999. To 92.08 %



MAT 6237

Kerma capture (mt102) 62-Sm-148
Cross Section -99.97 To 9999. %

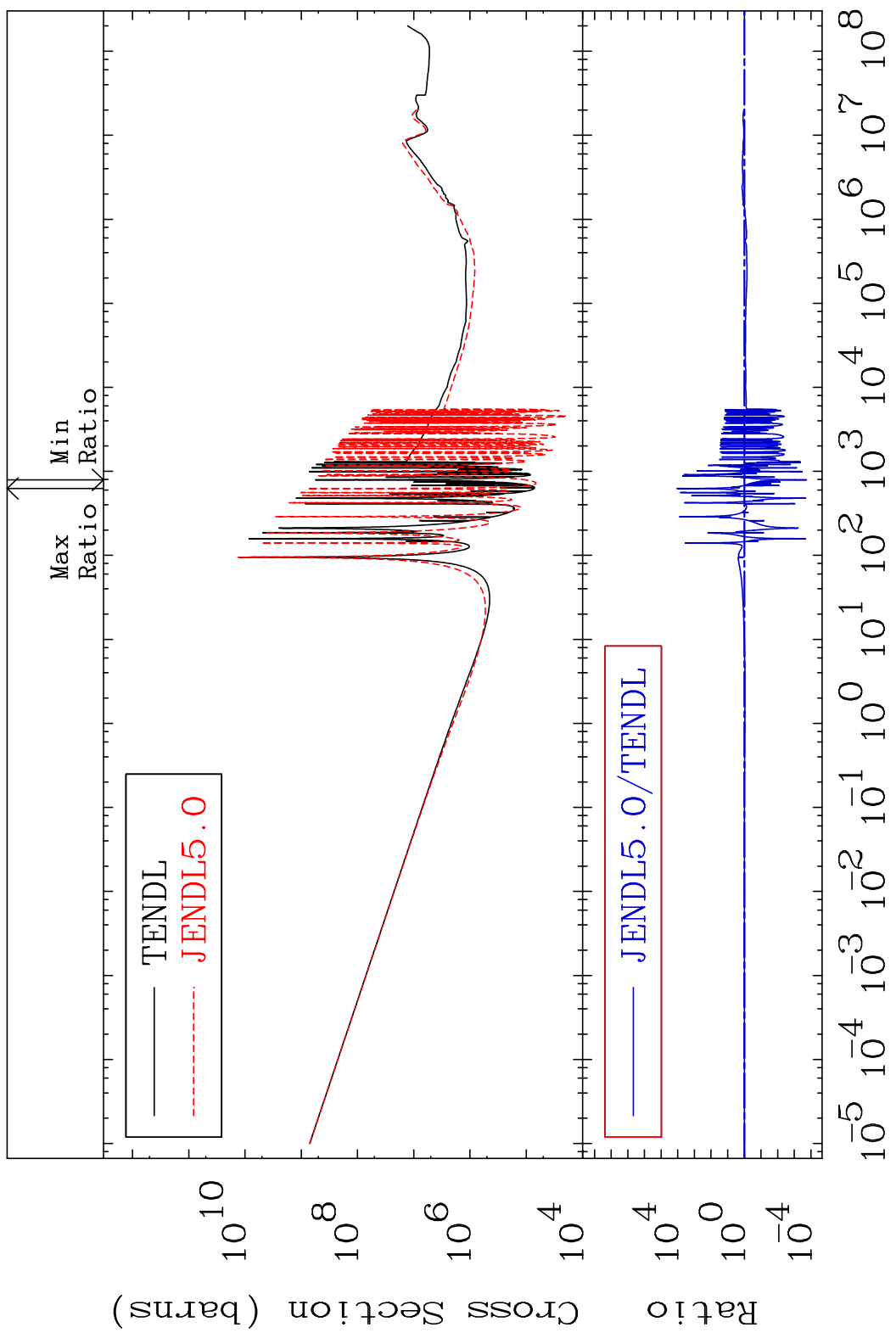


60

Incident Energy (eV) 62-Sm-148

MAT 6237

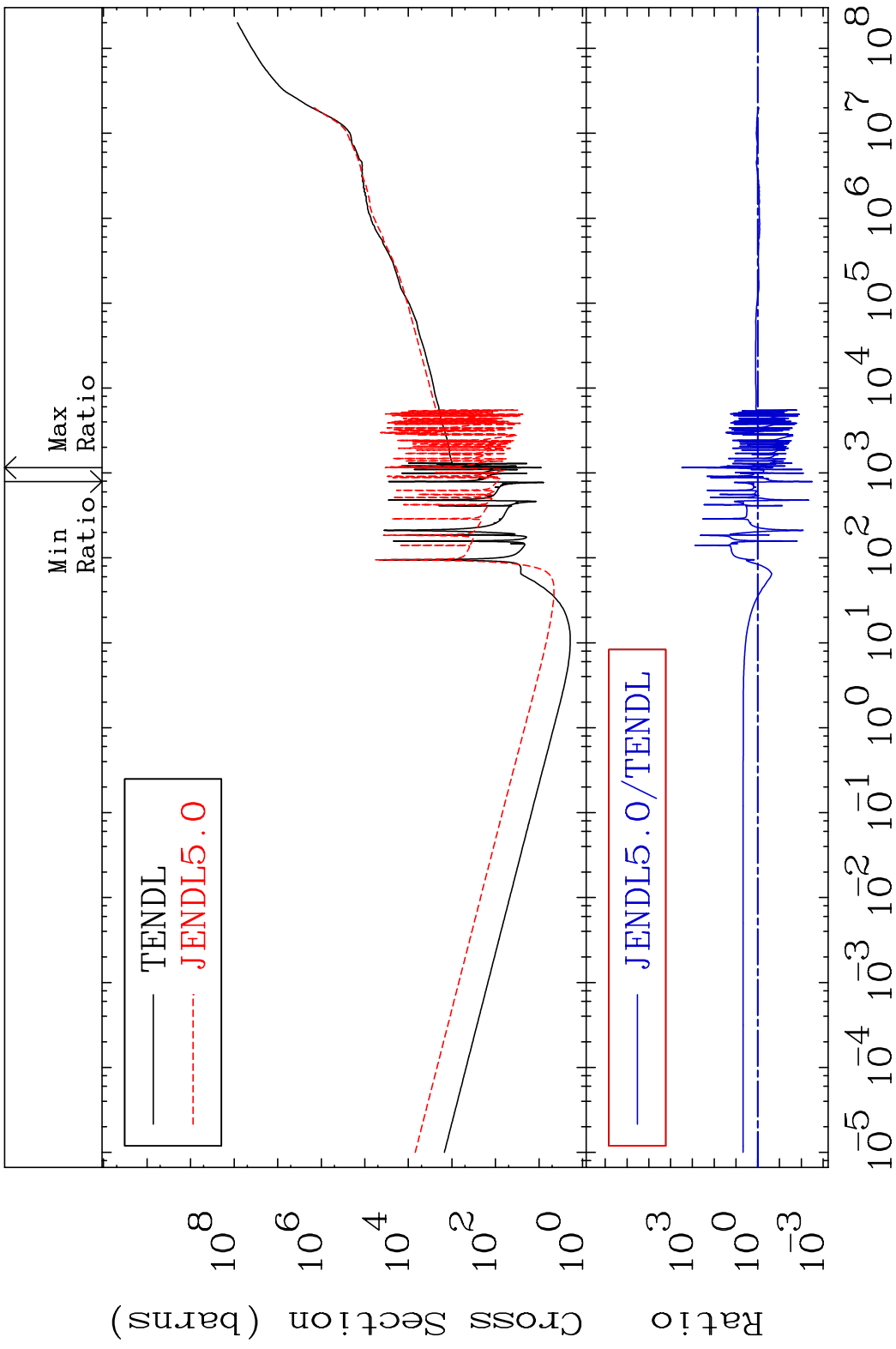
Total photon (eV-barns) 62-Sm-148
Cross Section -99.98 To 9999. %



61

Incident Energy (eV) 62-Sm-148

MAT 6237 Total kinematic kerma (high limit) 62-Sm-148
 Cross Section -99.69 To 9999. %

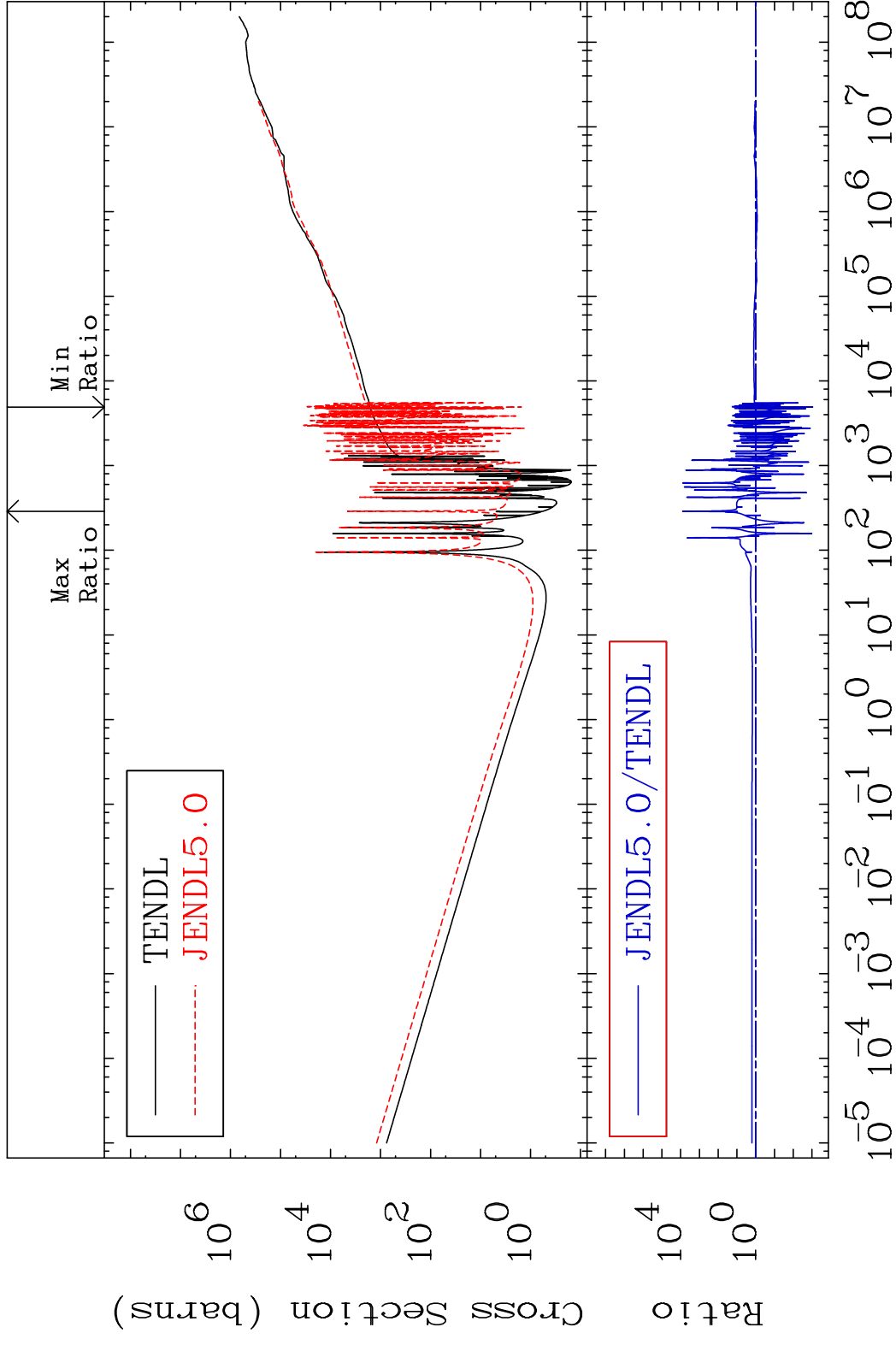


MAT 6237

Dpa total (eV-barns)

62-Sm-148

Cross Section -99.91 To 9999. %



63

Incident Energy (eV)

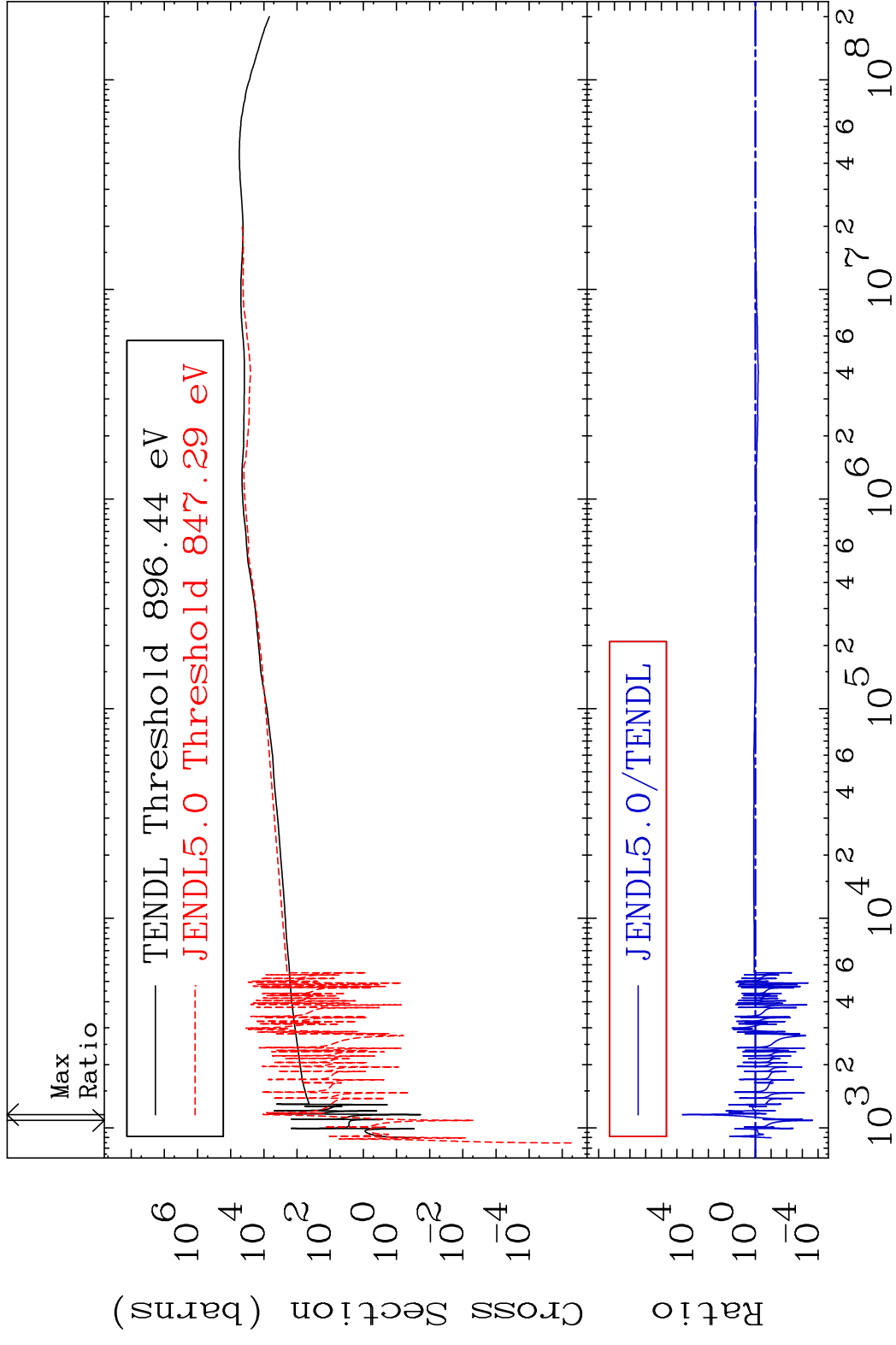
62-Sm-148

MAT 6237

Dpa elastic (mt2)

62-Sm-148

Cross Section -99.98 To 9999. %

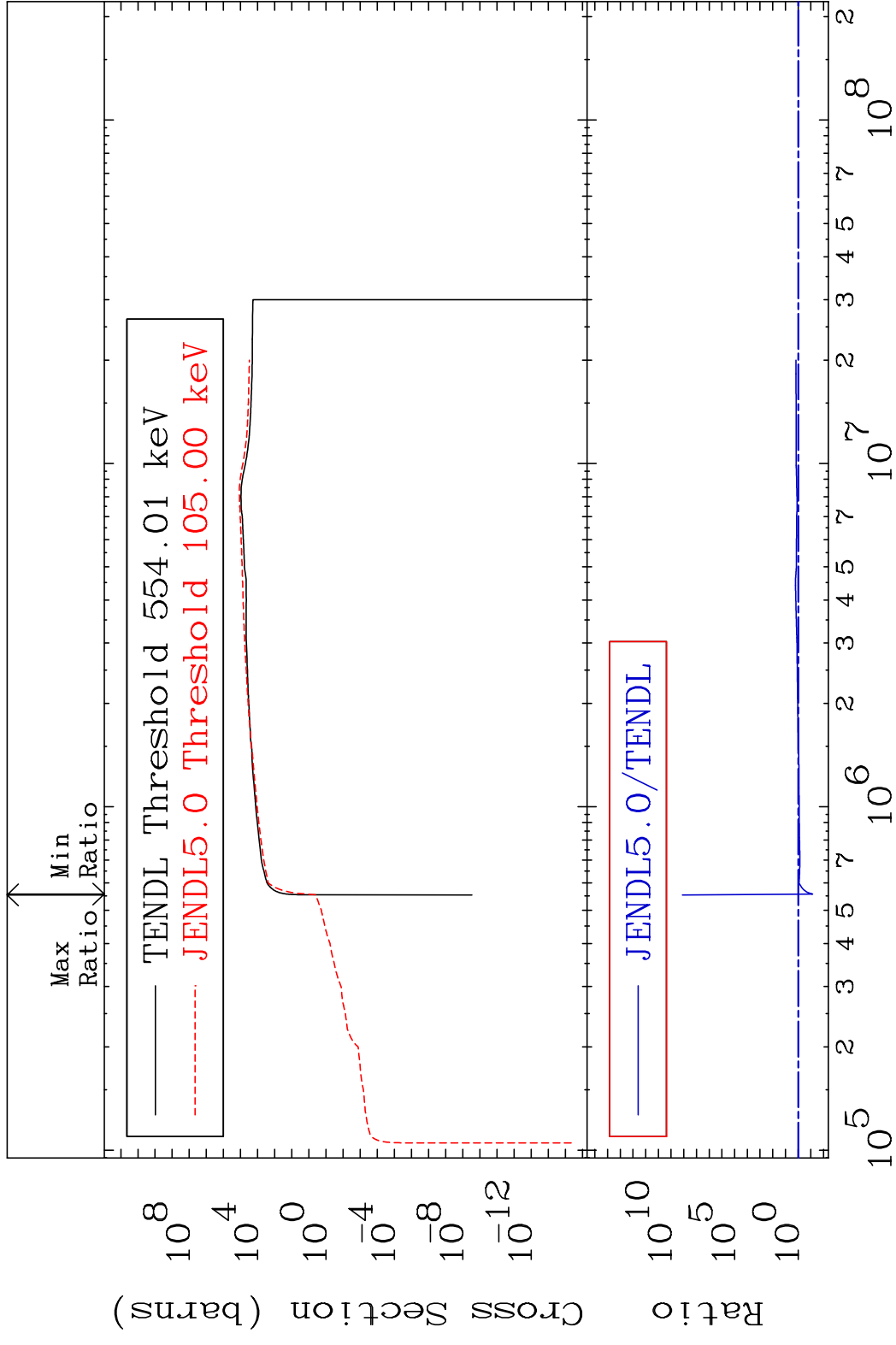


64

Incident Energy (eV)

62-Sm-148

MAT 6237 Dpa inelastic (mt51-91) 62-Sm-148
 Cross Section -92.66 To 9999. %



65 Incident Energy (eV) 62-Sm-148

MAT 6237 Dpa disappearance (mt102 -120) 62-Sm-148
 Cross Section -99.90 To 9999. %

