

Program Complot
(Version 2021-1)

by

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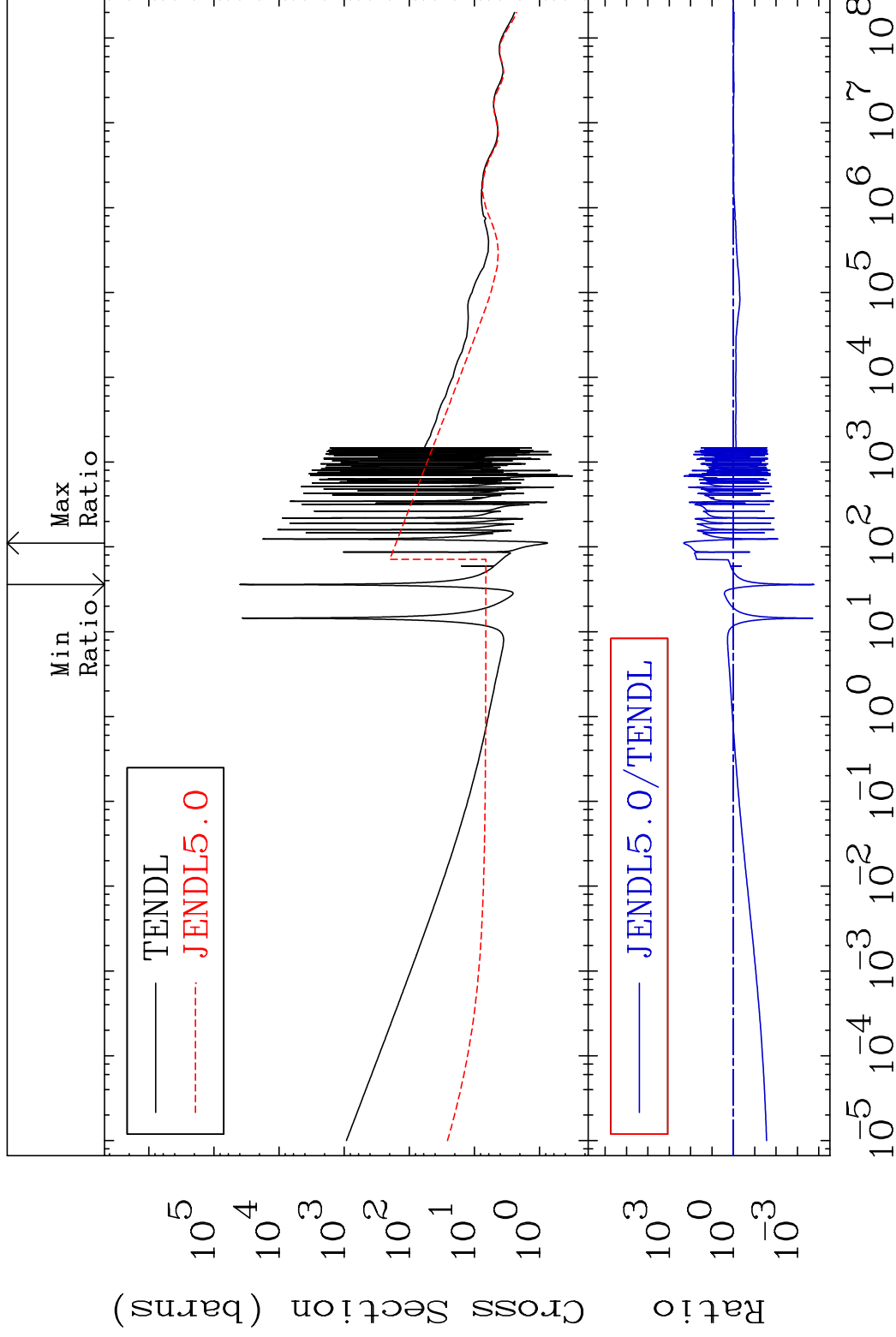
Press Mouse Button to Start

MAT 6231

Total

62-Sm-146

Cross Section -99.98 To 9999. %



1

Incident Energy (eV)

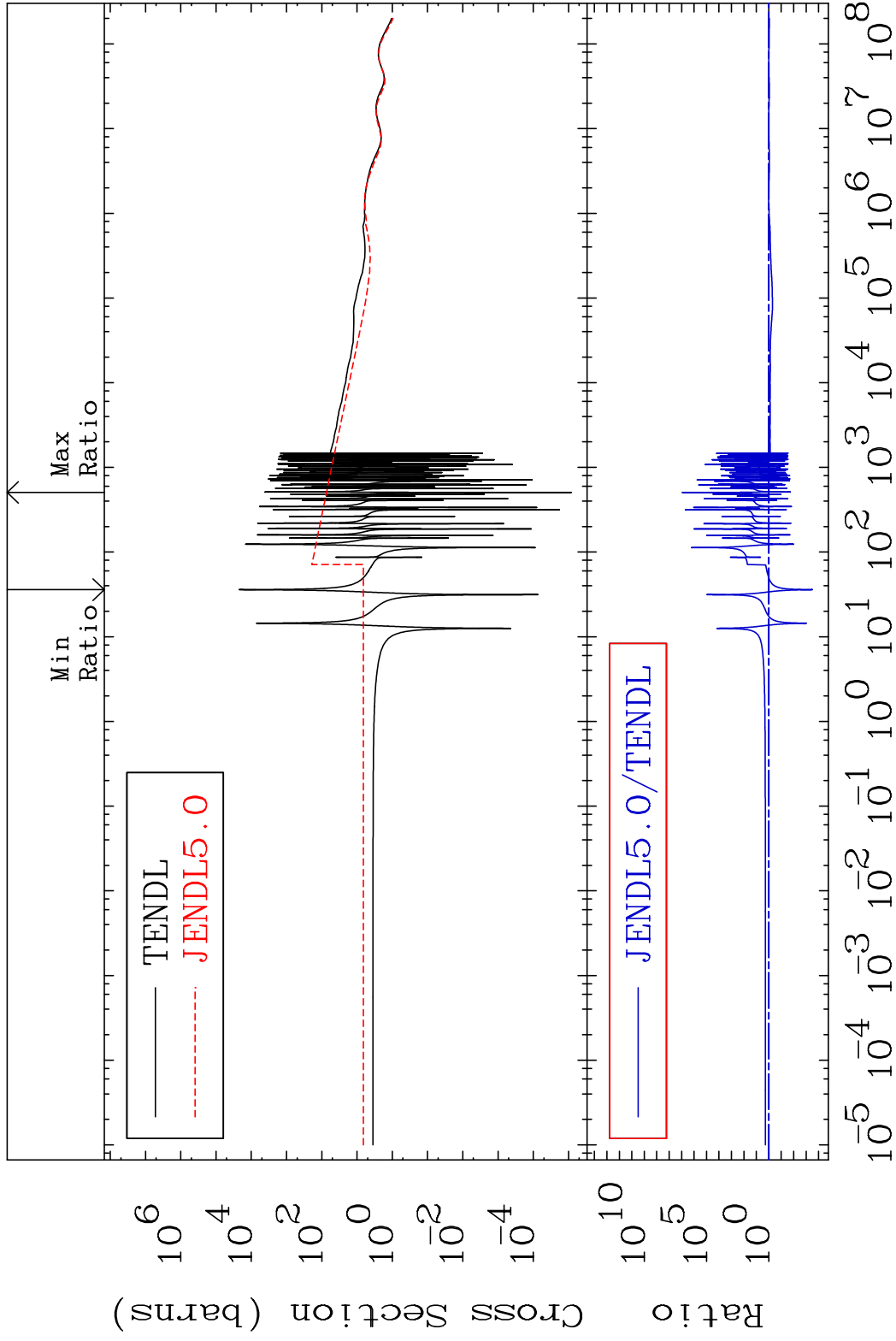
62-Sm-146

MAT 6231

Elastic

62-Sm-146

Cross Section -99.97 To 9999. %



2

Incident Energy (eV)

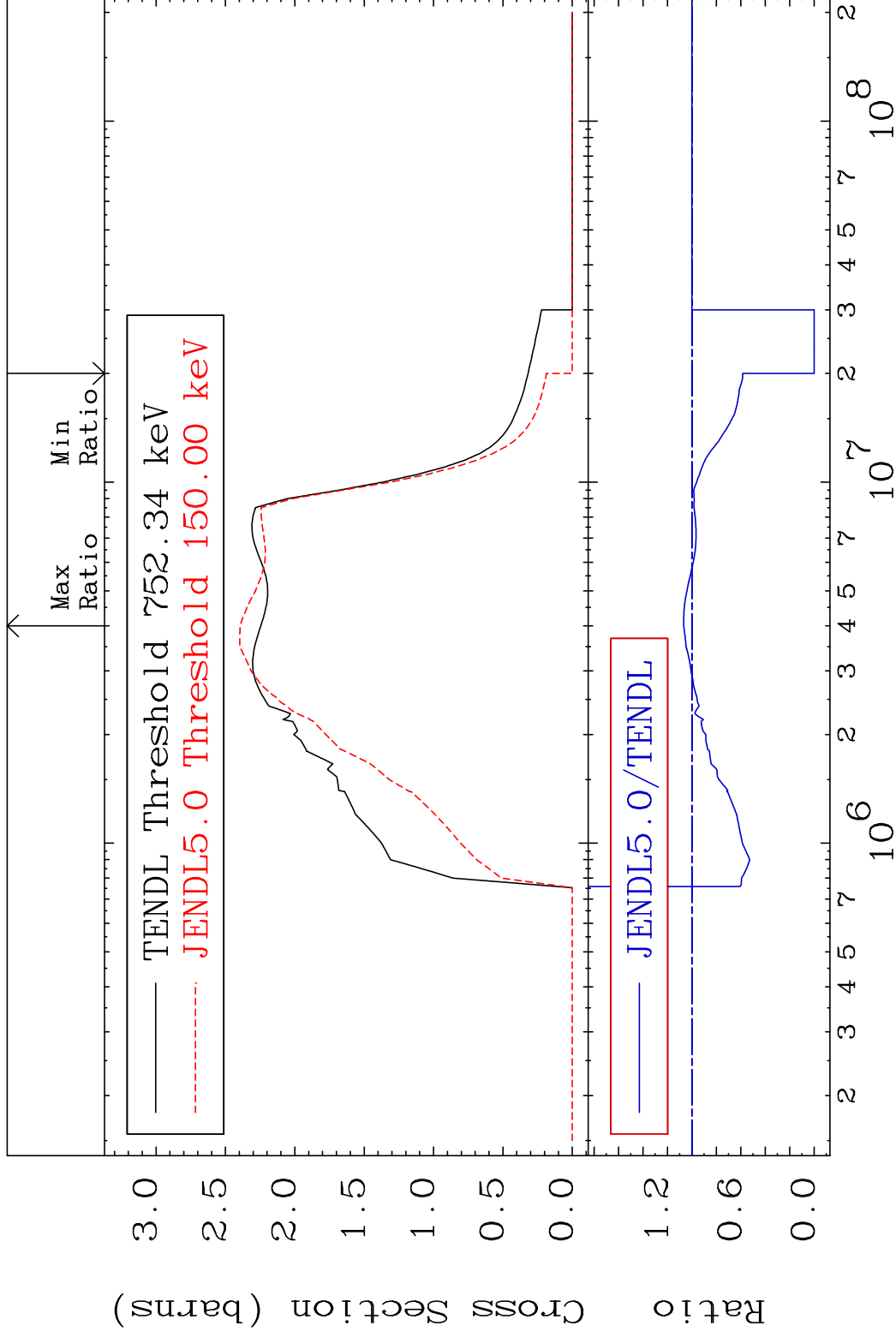
62-Sm-146

MAT 6231

Inelastic

62-Sm-146

Cross Section -100.0 To 6.704 %



3

Incident Energy (eV)

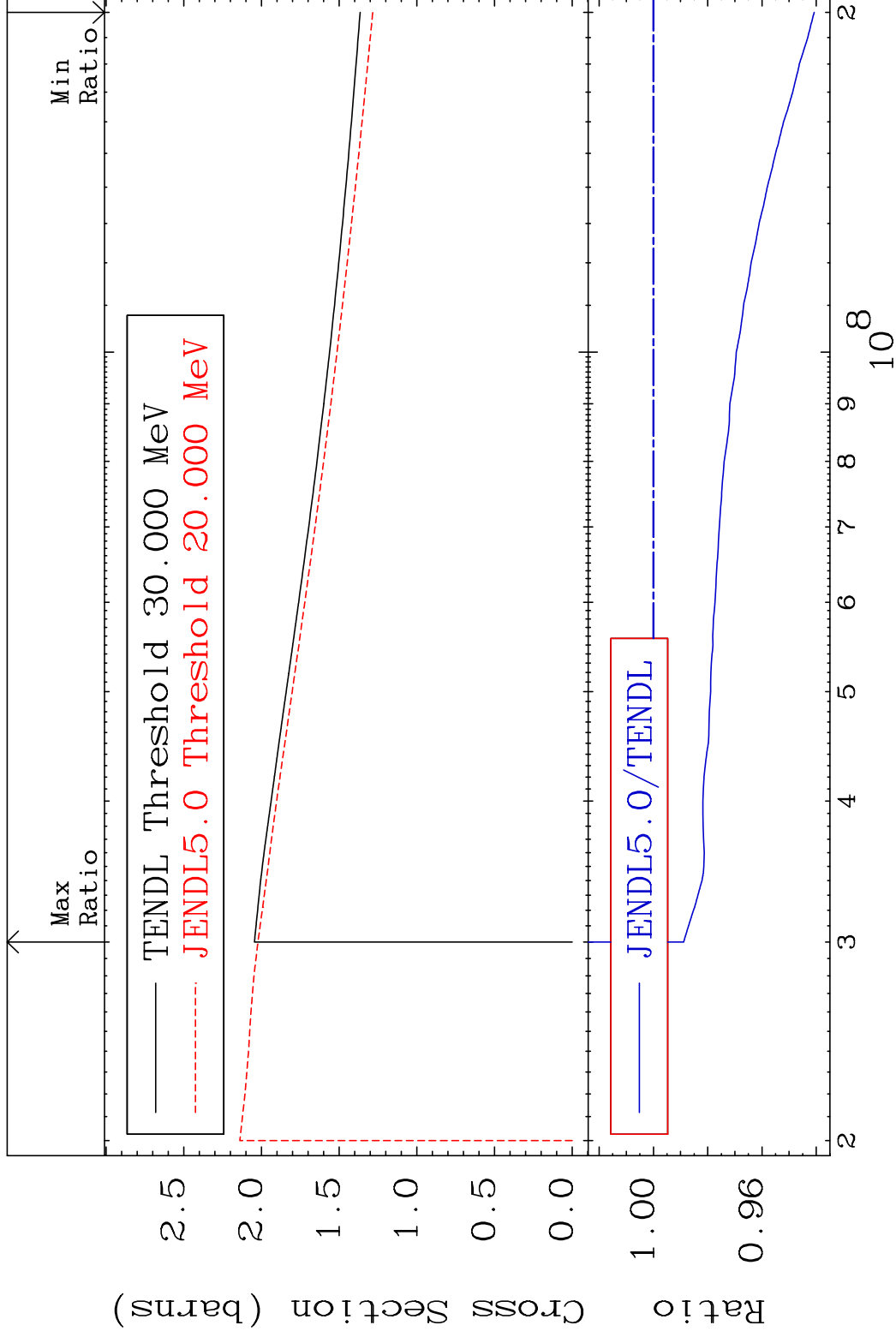
62-Sm-146

MAT 6231

(n, remainder)

62-Sm-146

Cross Section -5.920 To -1.114%



62-Sm-146

Incident Energy (eV)

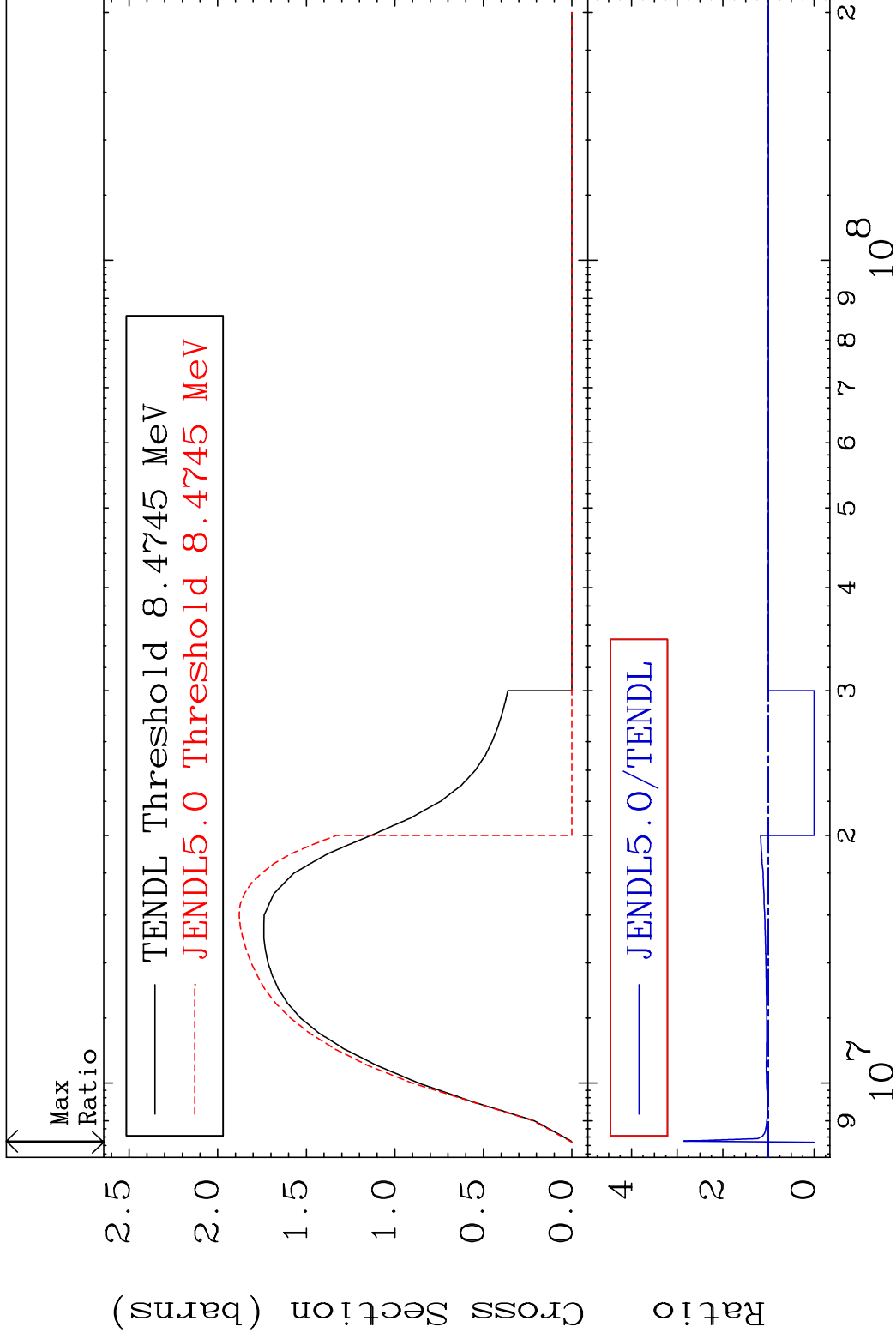
4

MAT 6231

(n,2n)

62-Sm-146

Cross Section -100.0 To 186.3 %



5

Incident Energy (eV)

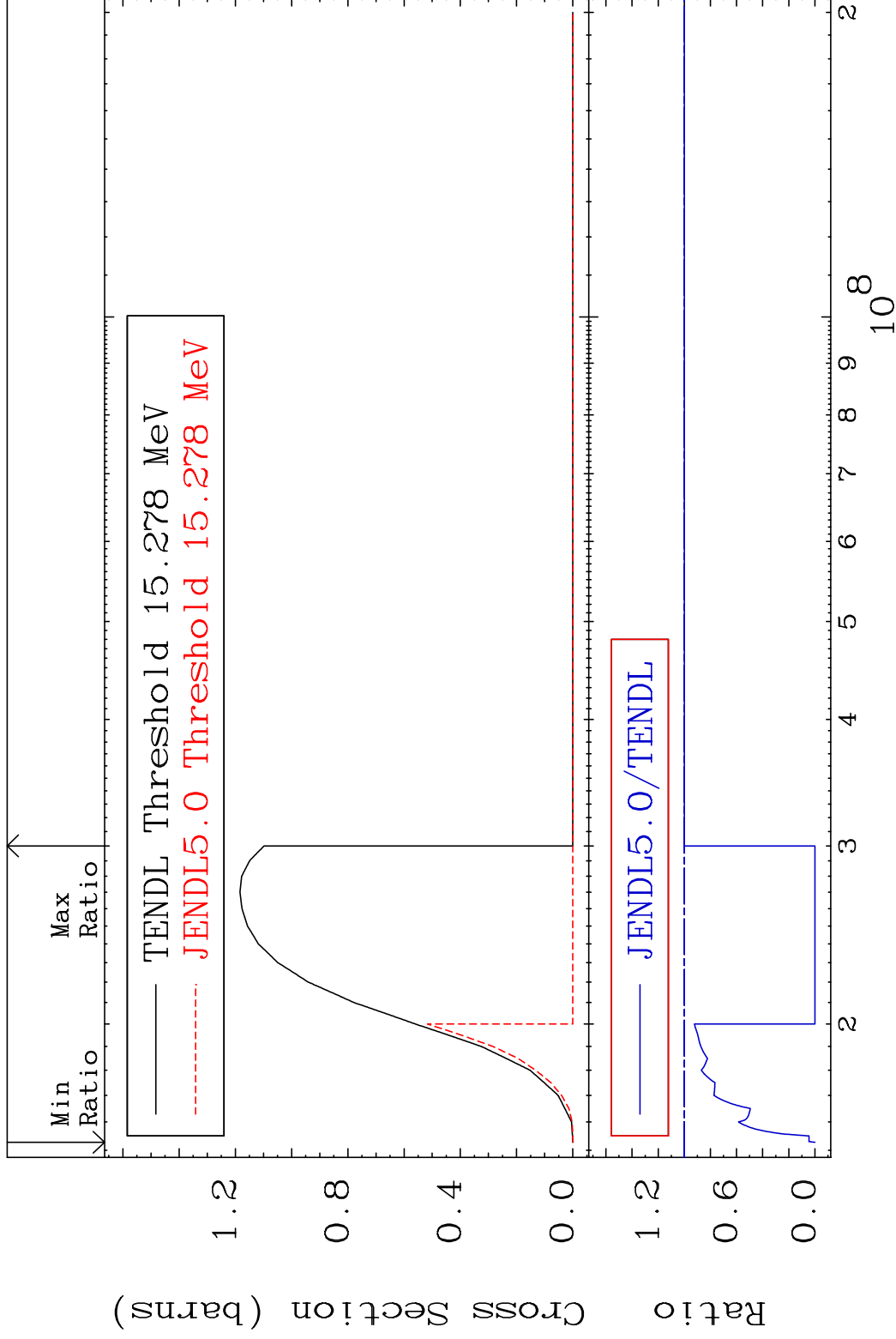
62-Sm-146

MAT 6231

(n,3n)

62-Sm-146

Cross Section -100.0 To 0.000 %



6

Incident Energy (eV)

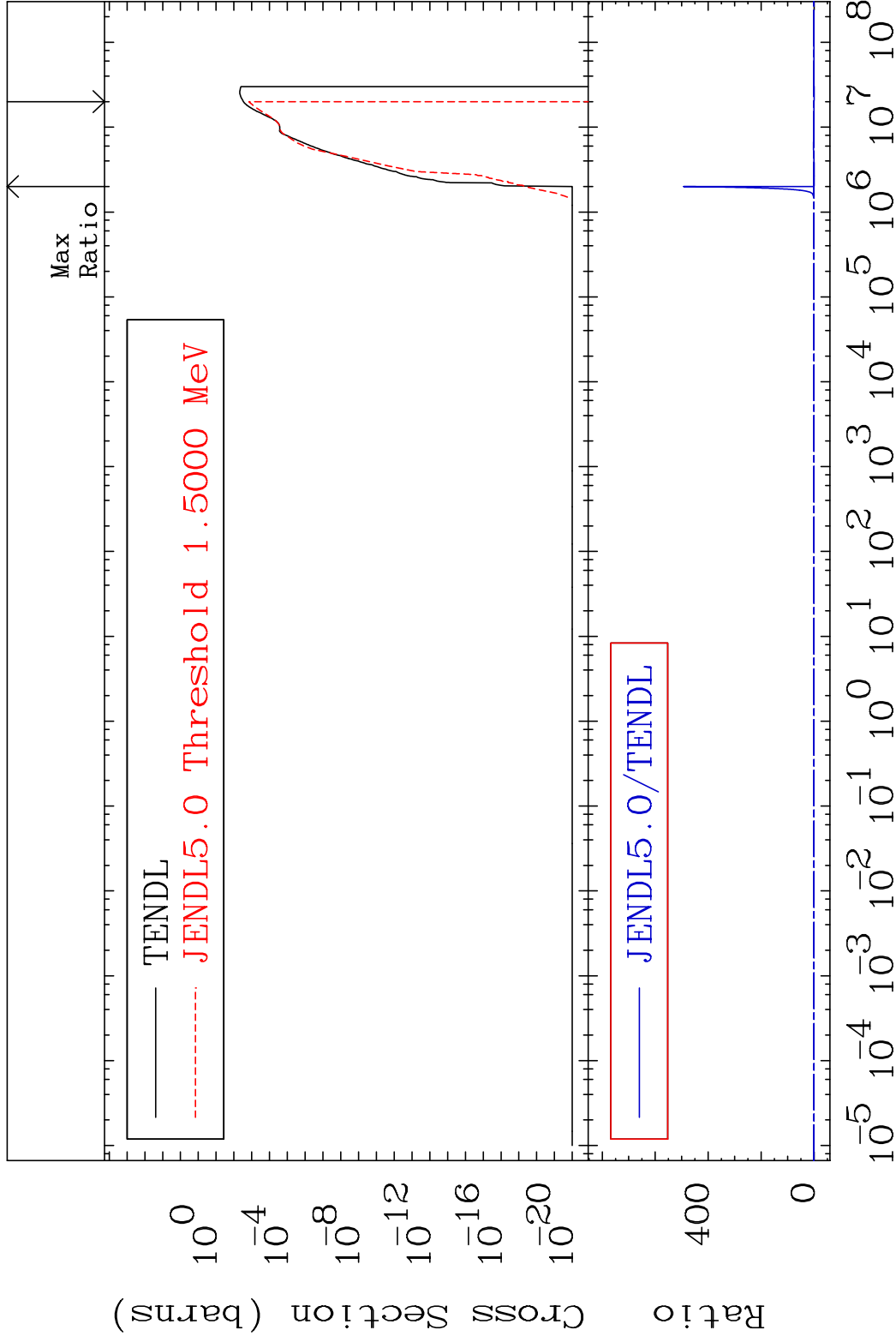
62-Sm-146

MAT 6231

(n, n') α

62-Sm-146

Cross Section -100.0 To 9999. %

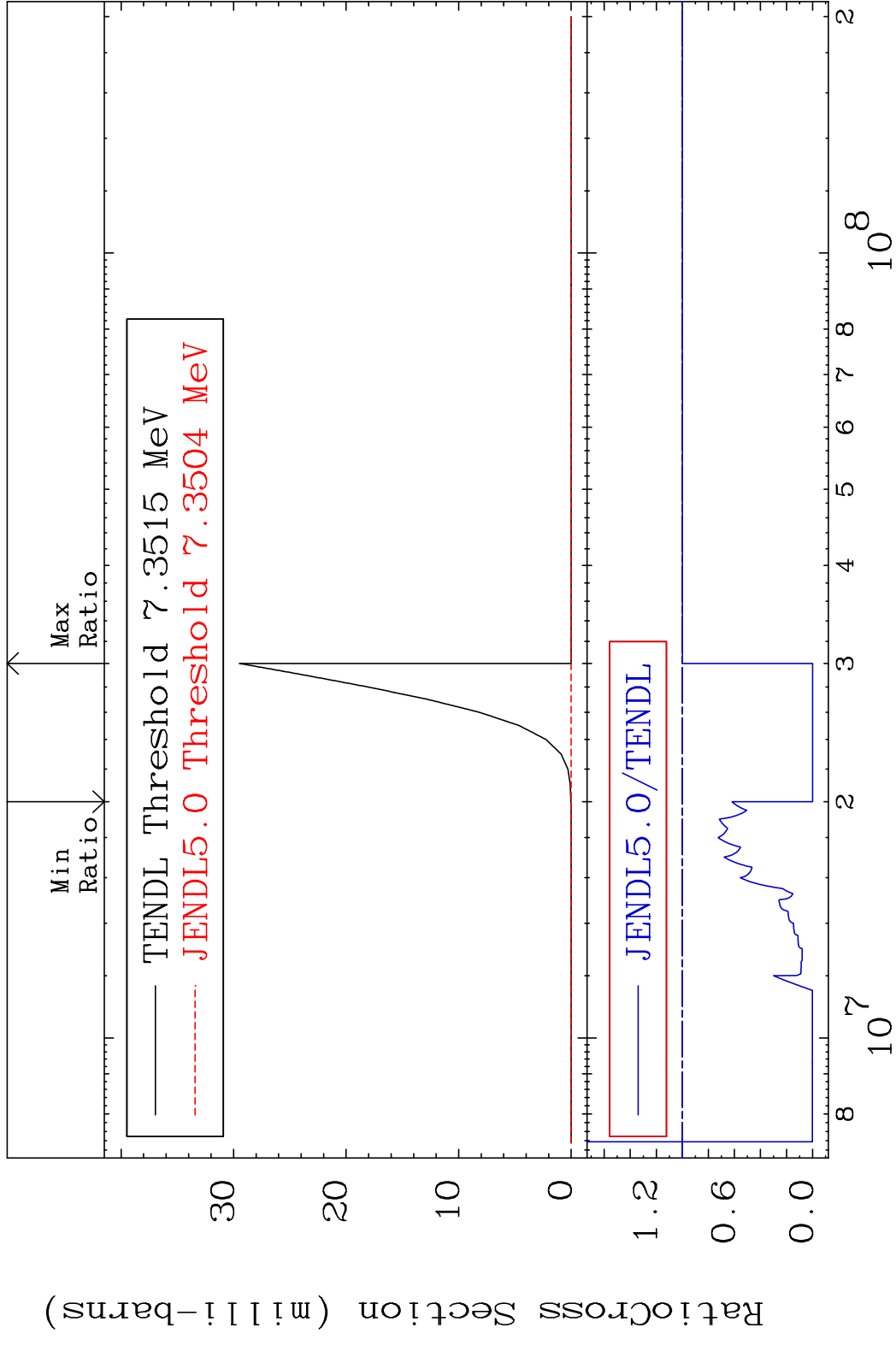


7

Incident Energy (eV)

62-Sm-146

MAT 6231 (n,2n) α 62-Sm-146
 Cross Section -100.0 To 0.000 %



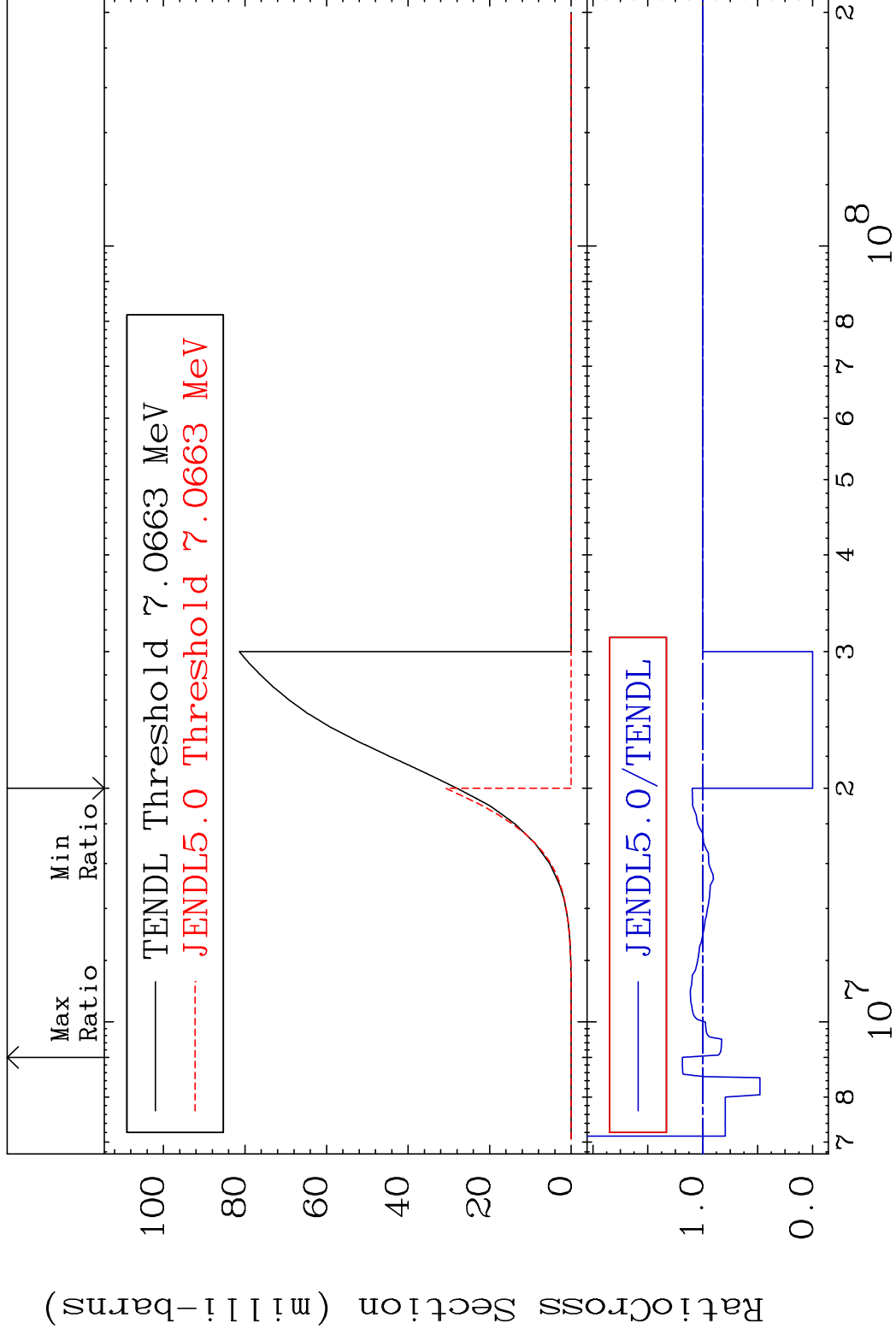
8 8 Incident Energy (eV) 62-Sm-146

MAT 6231

(n, n') p

62-Sm-146

Cross Section -100.0 To 18.54 %



9

Incident Energy (eV)

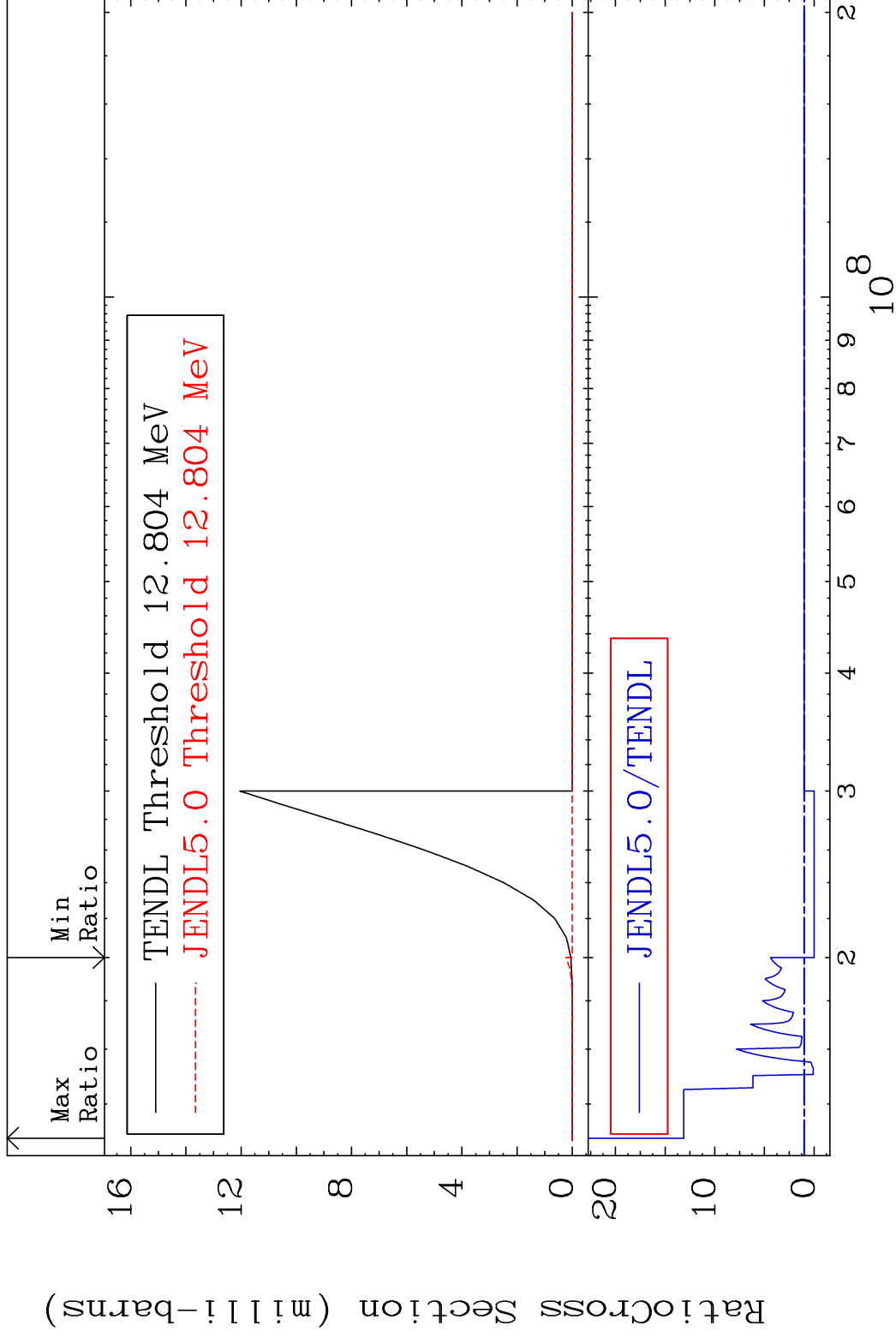
62-Sm-146

MAT 6231

(n, n') d

62-Sm-146

Cross Section -100.0 To 1213. %

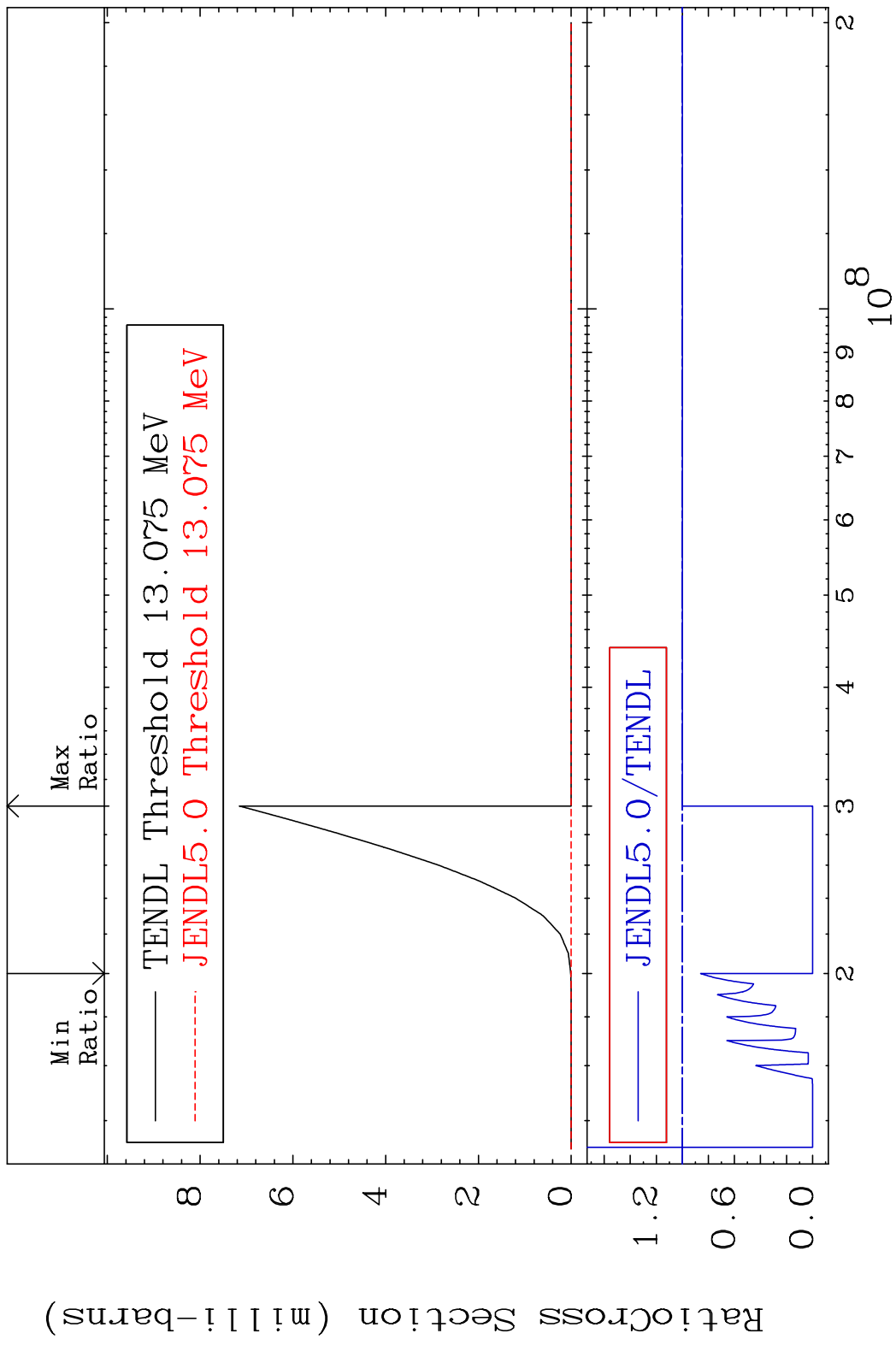


10

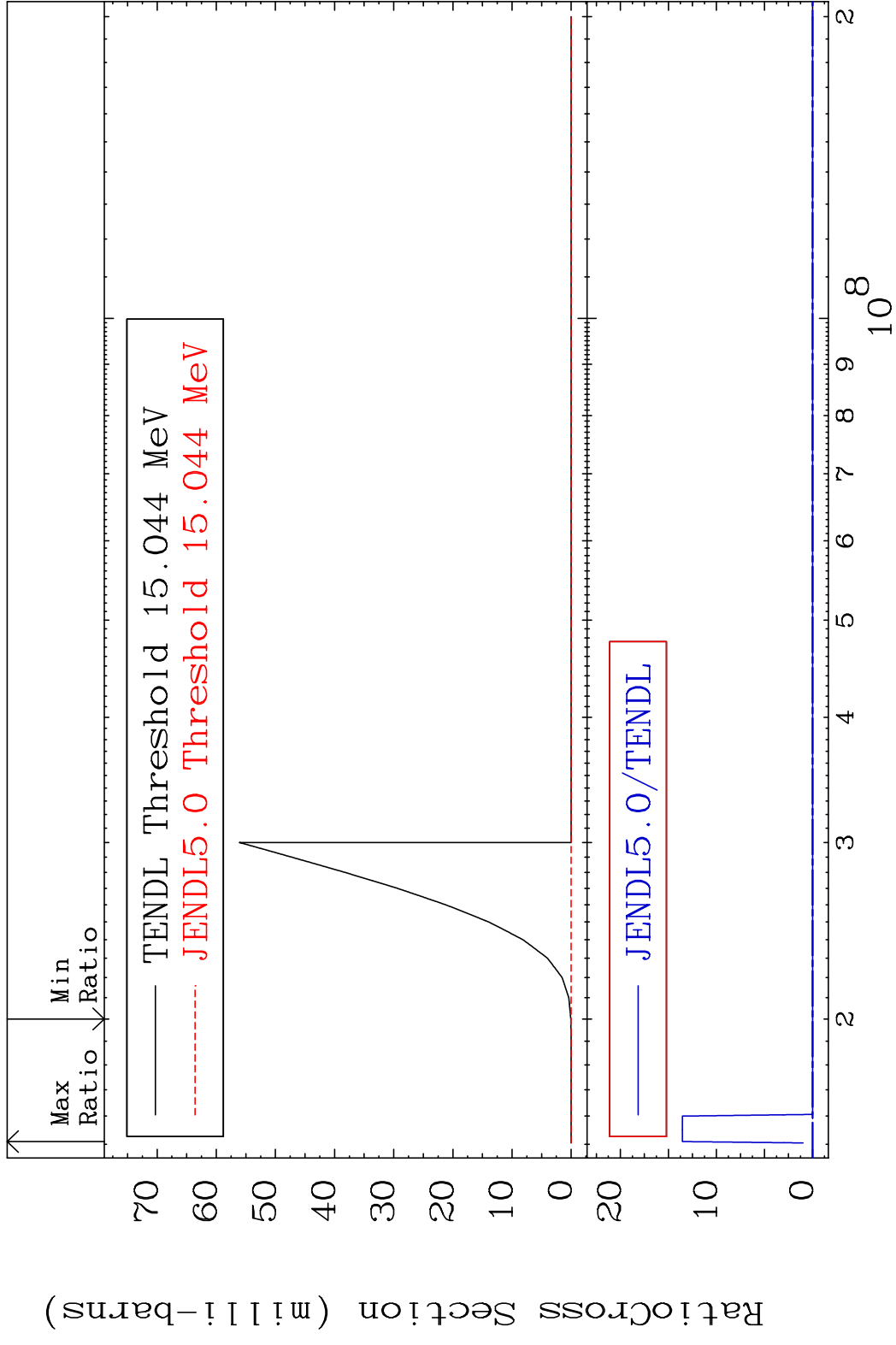
Incident Energy (eV)

62-Sm-146

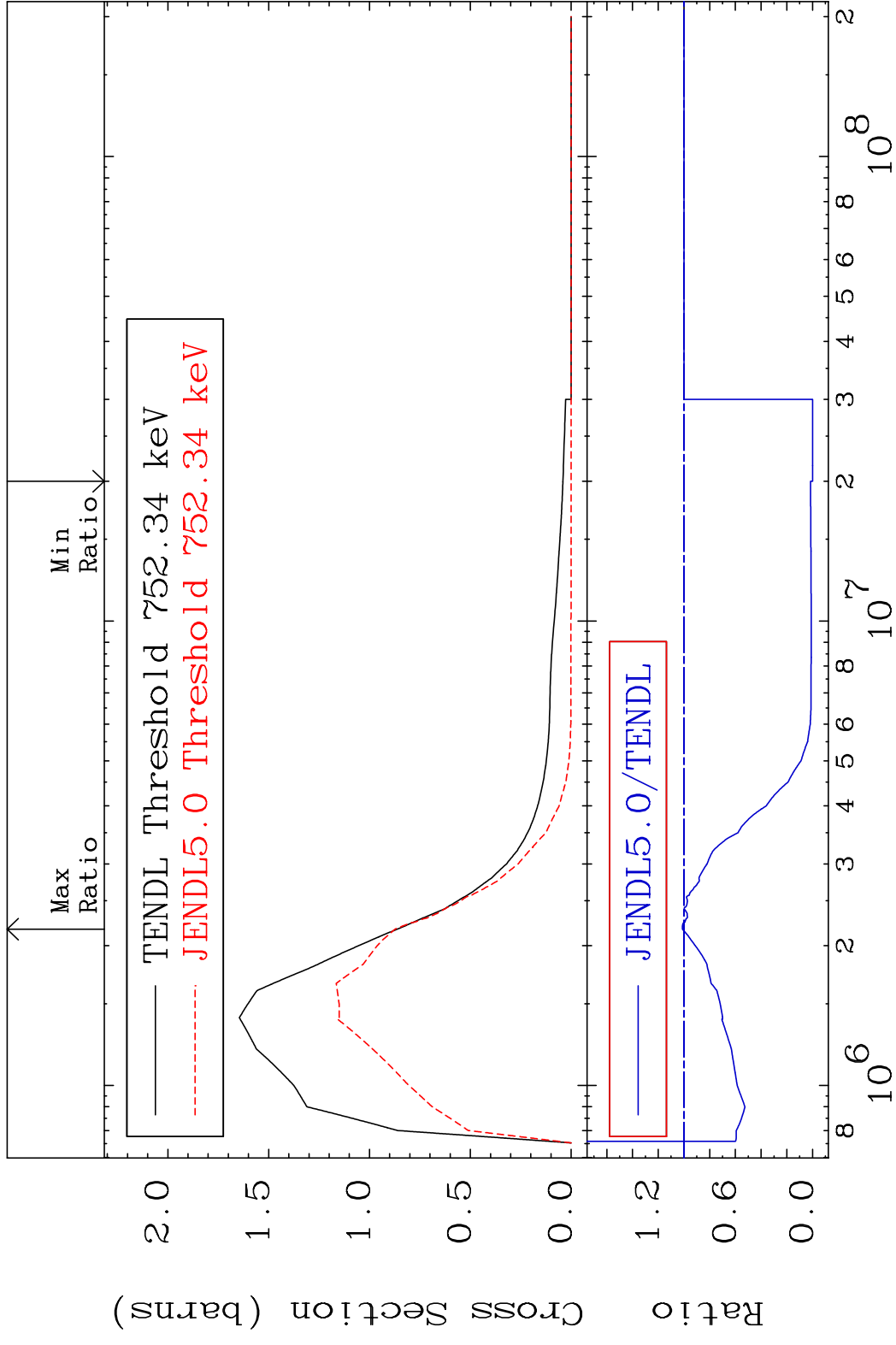
MAT 6231 (n, n') t 62-Sm-146
 Cross Section -100.0 To 0.000 %



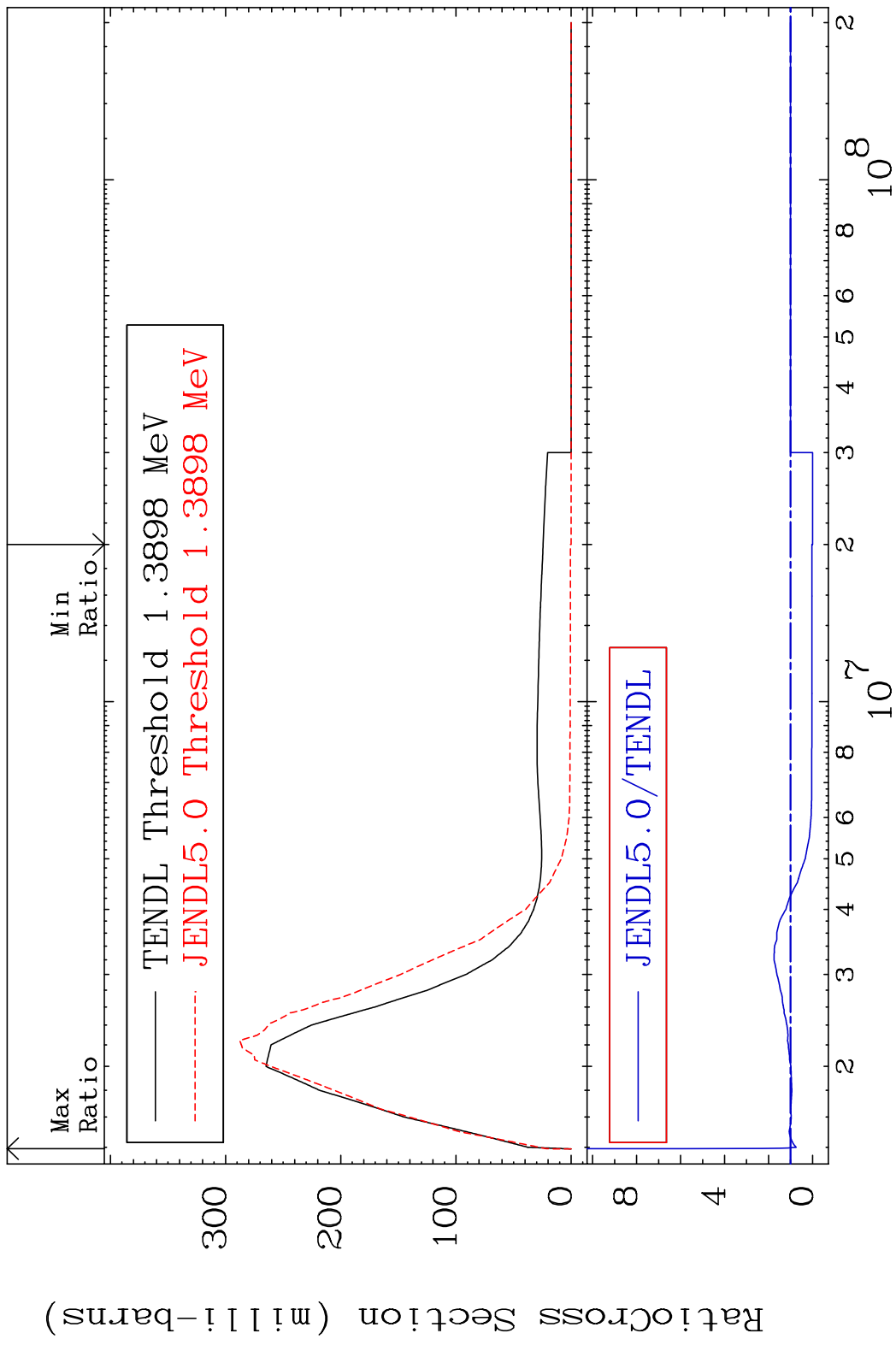
MAT 6231 (n,2n) p 62-Sm-146
 Cross Section -100.0 To 9999. %



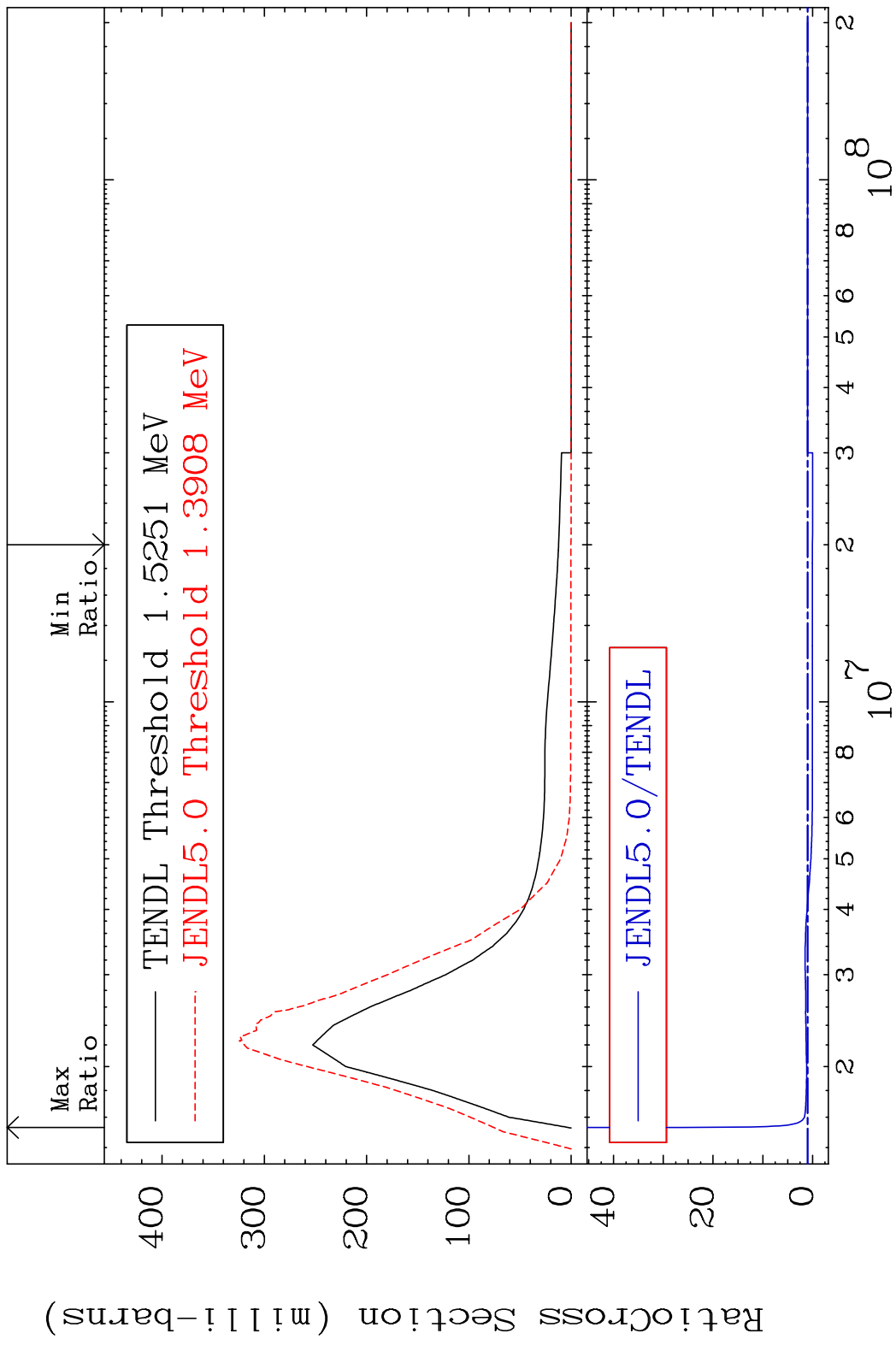
MAT 6231 MT= 51 (n, n') Level 62-Sm-146
 Cross Section -100.0 To 1.249 %



MAT 6231 MT= 52 (n, n') Level 62-Sm-146
 Cross Section -100.0 To 492.1 %

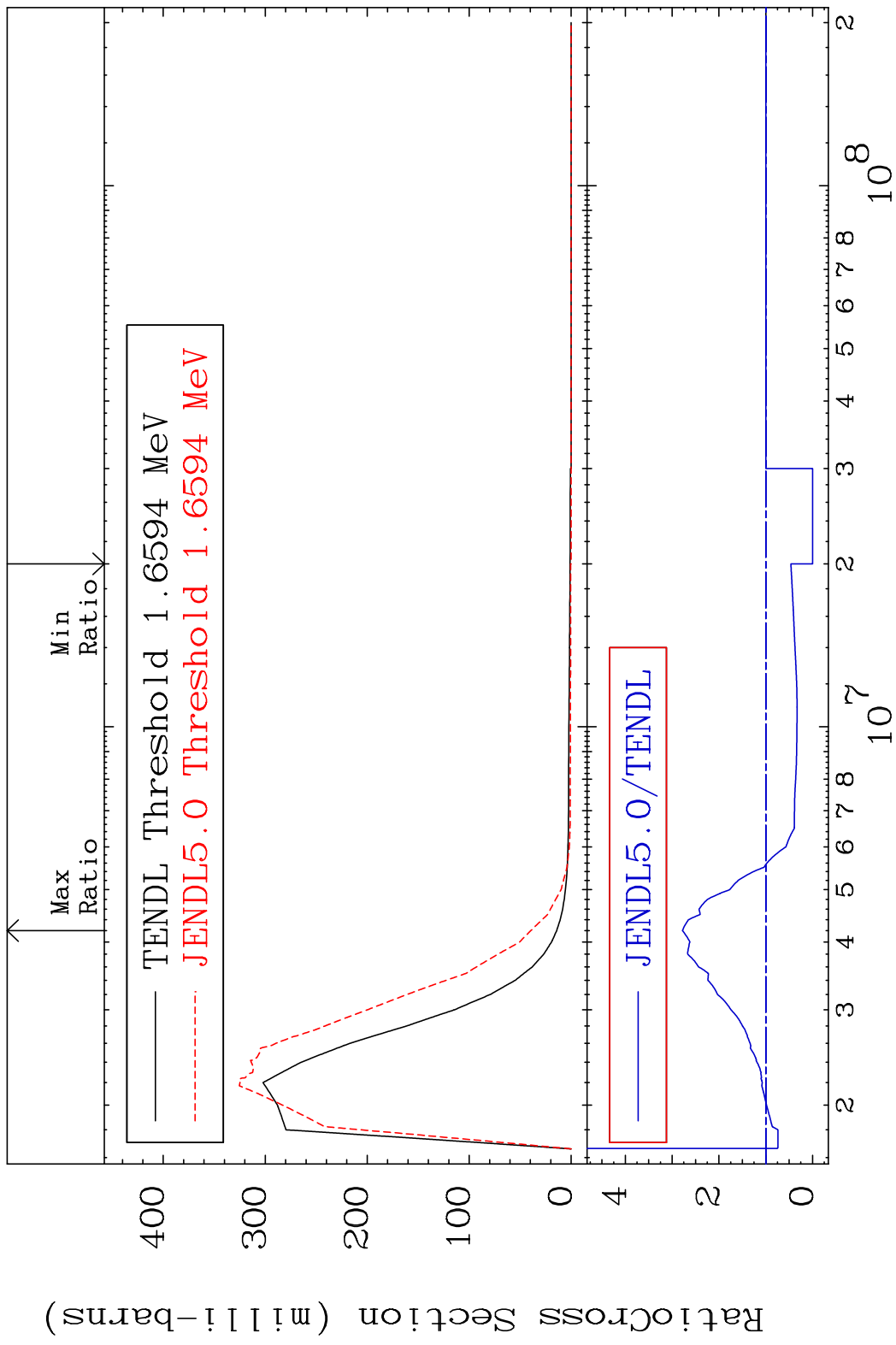


MAT 6231 MT= 53 (n, n') Level 62-Sm-146
 Cross Section -100.0 To 2517. %

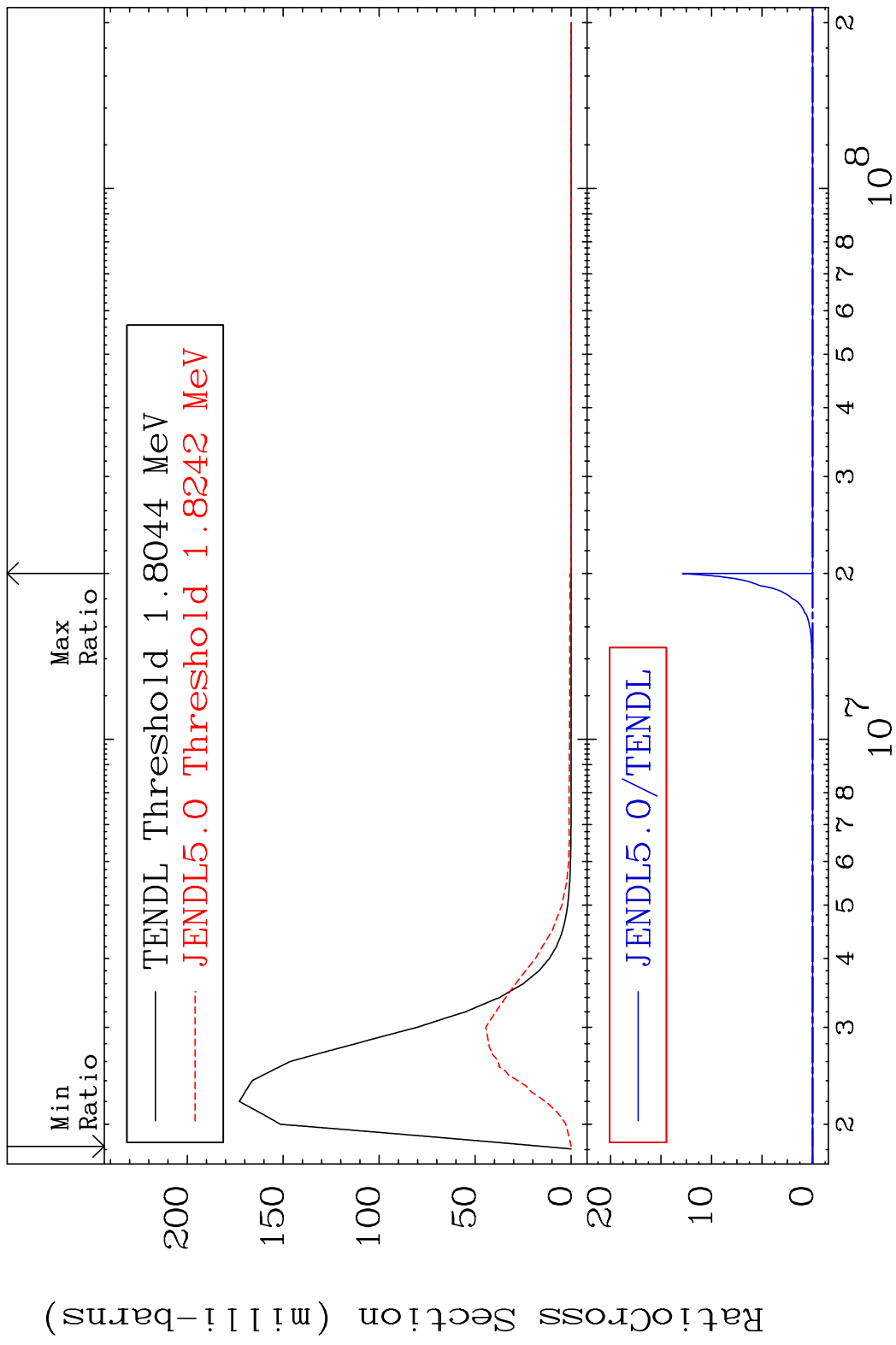


15 Incident Energy (eV) 62-Sm-146

MAT 6231 MT= 54 (n, n') Level 62-Sm-146
 Cross Section -100.0 To 178.2 %

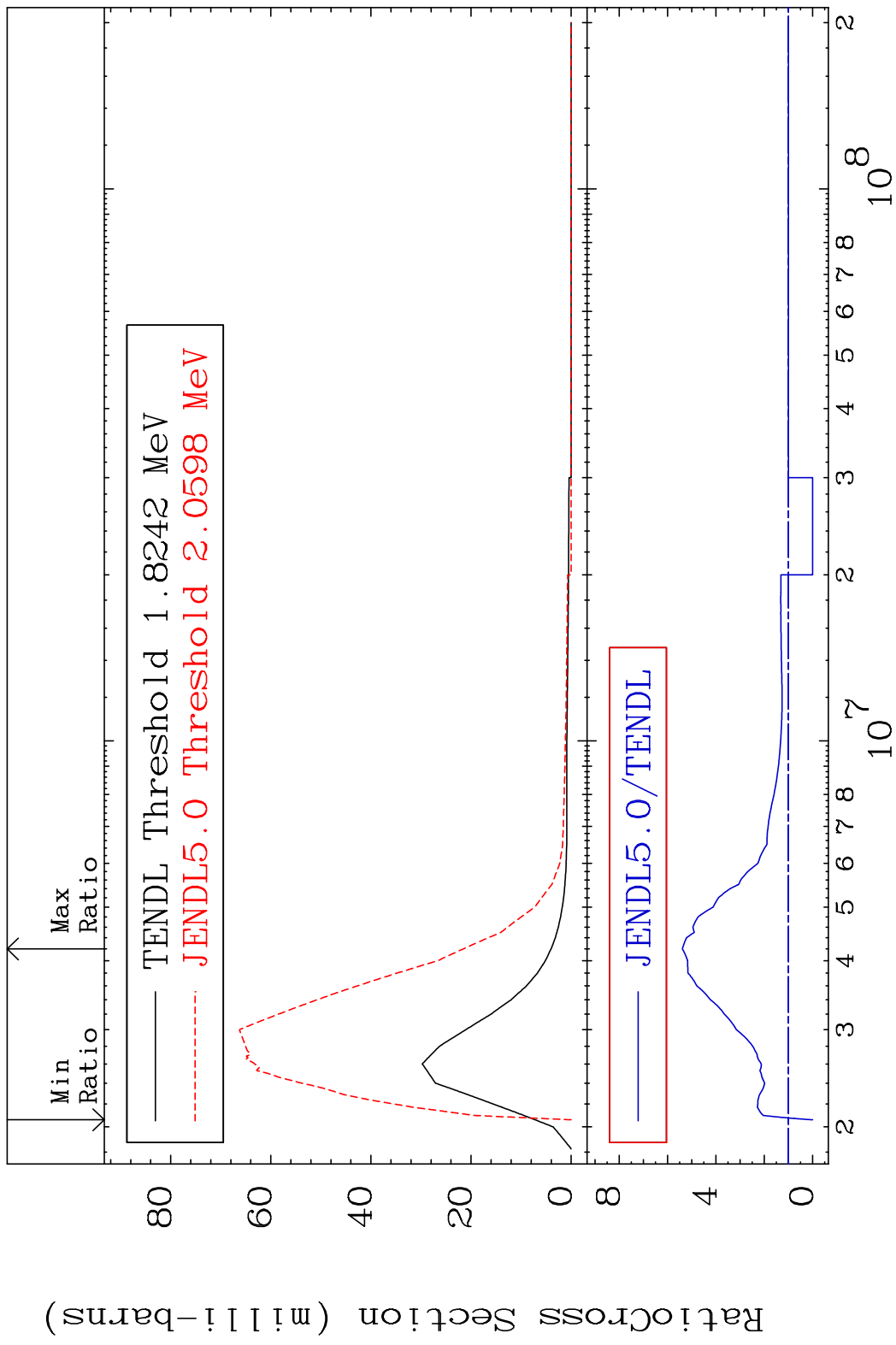


MAT 6231 MT= 55 (n, n') Level 62-Sm-146
 Cross Section -100.0 To 9999. %

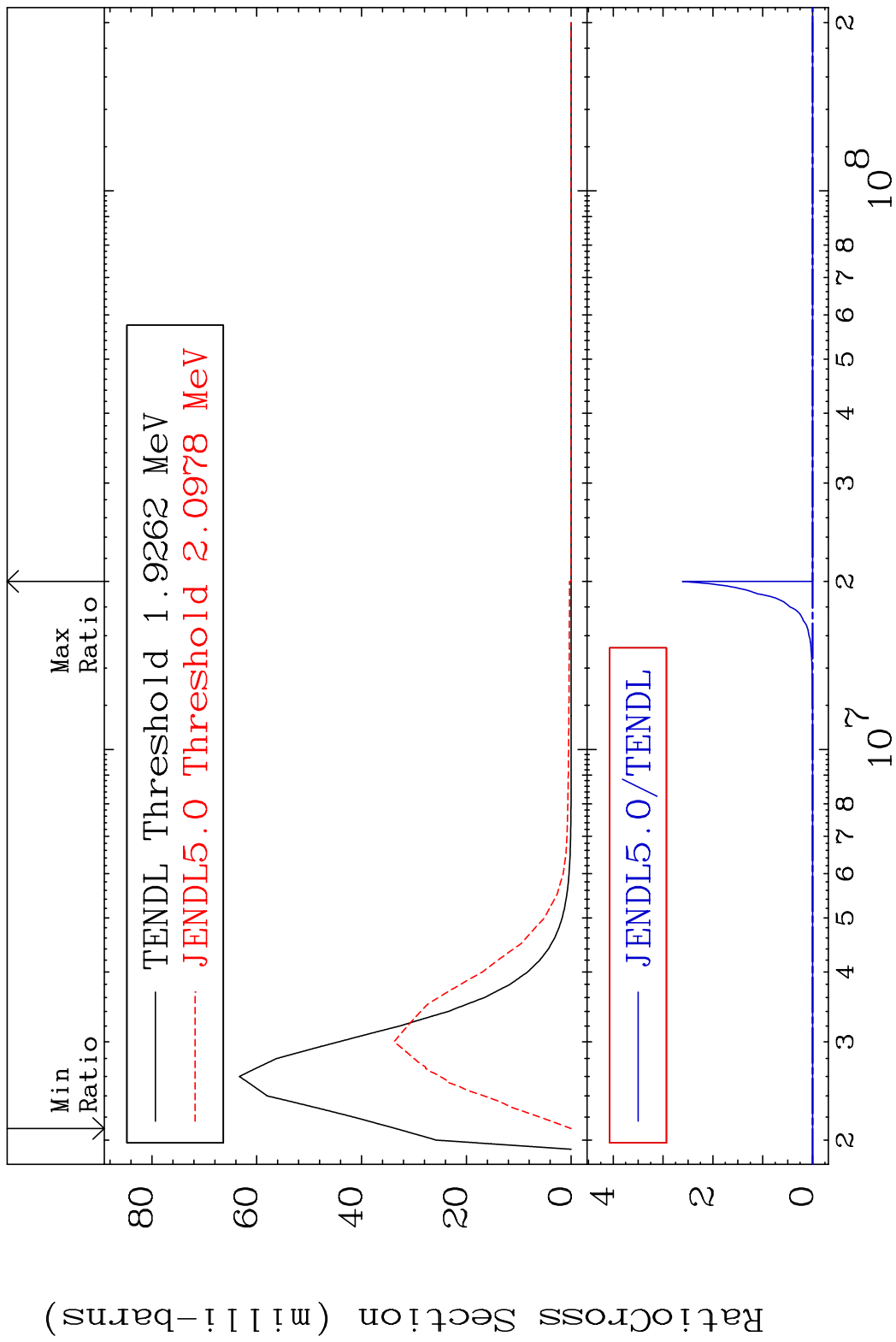


17 Incident Energy (eV) 62-Sm-146

MAT 6231 MT= 56 (n,n') Level 62-Sm-146
 Cross Section -100.0 To 438.8 %

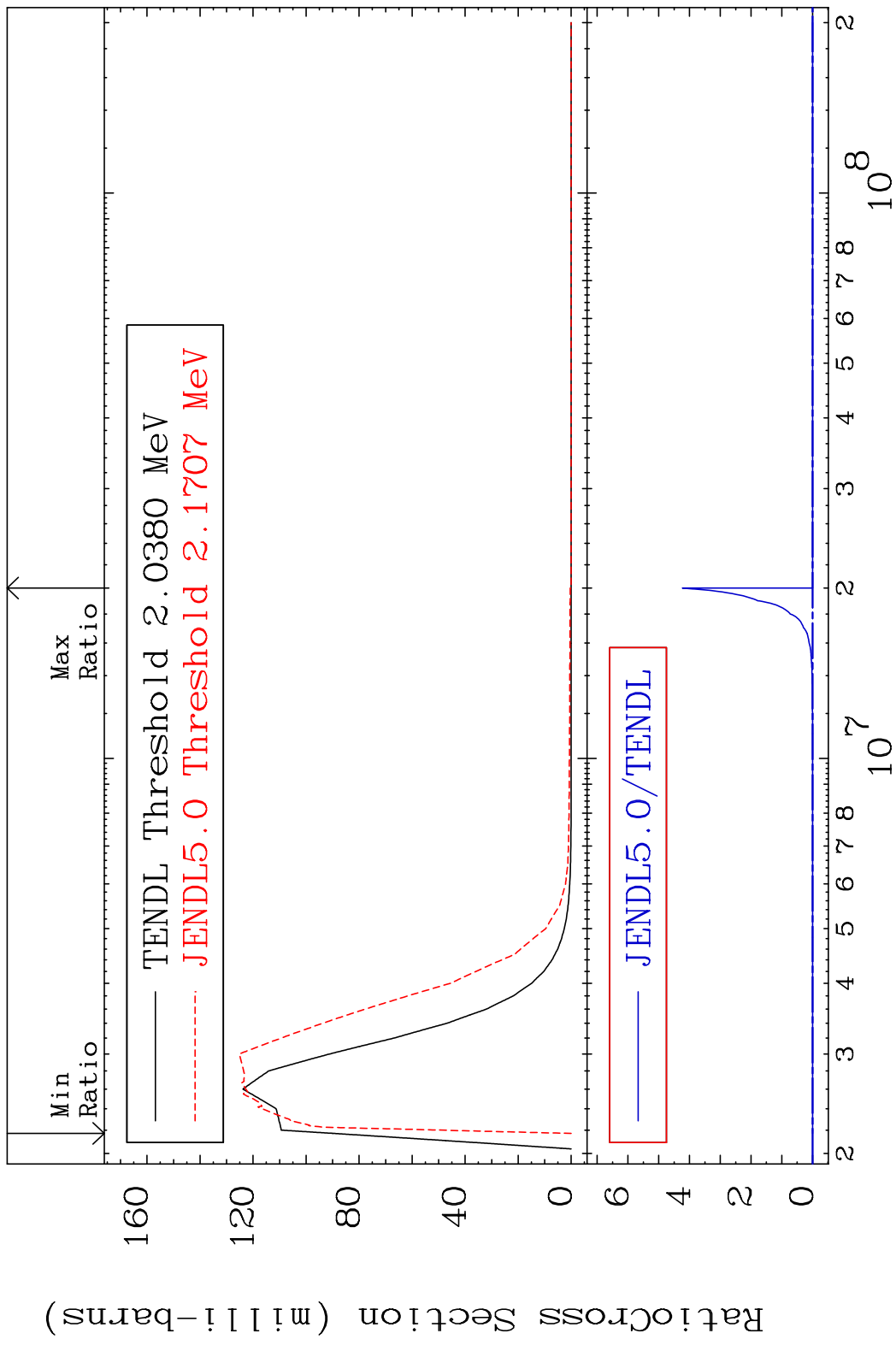


MAT 6231 MT= 57 (n, n') Level 62-Sm-146
 Cross Section -100.0 To 9999. %

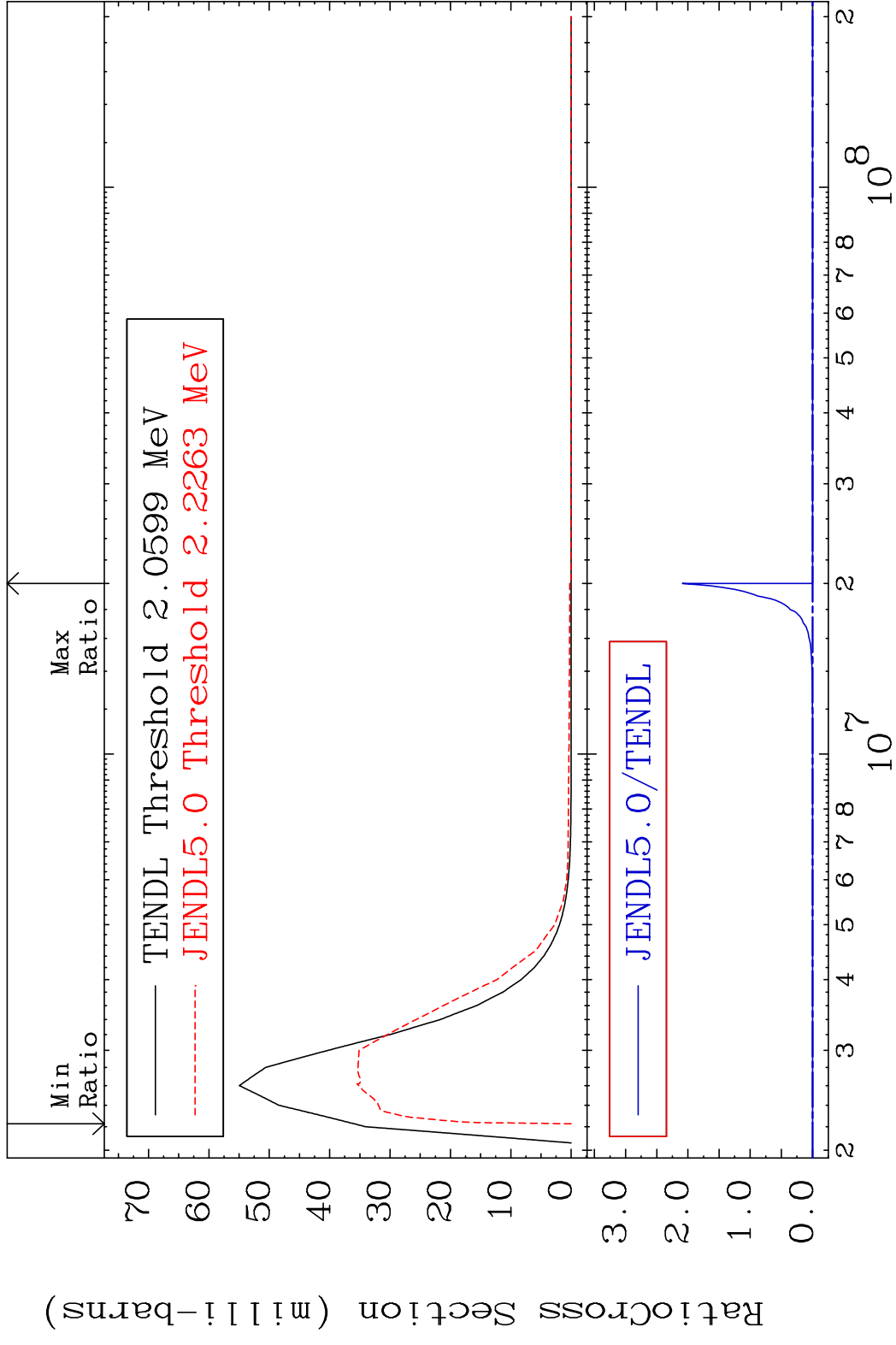


19 62-Sm-146

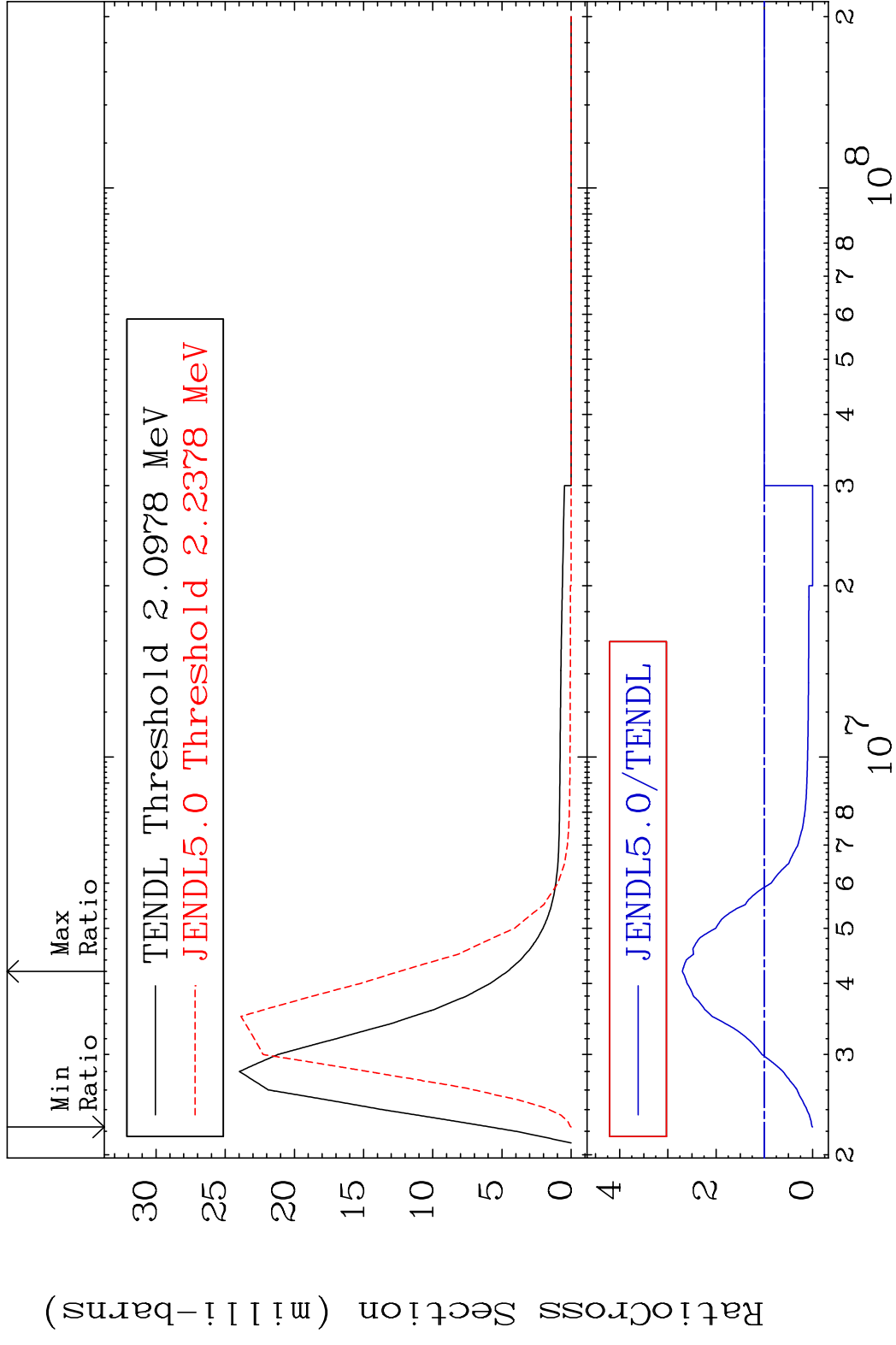
MAT 6231 MT= 58 (n, n') Level 62-Sm-146
 Cross Section -100.0 To 9999. %



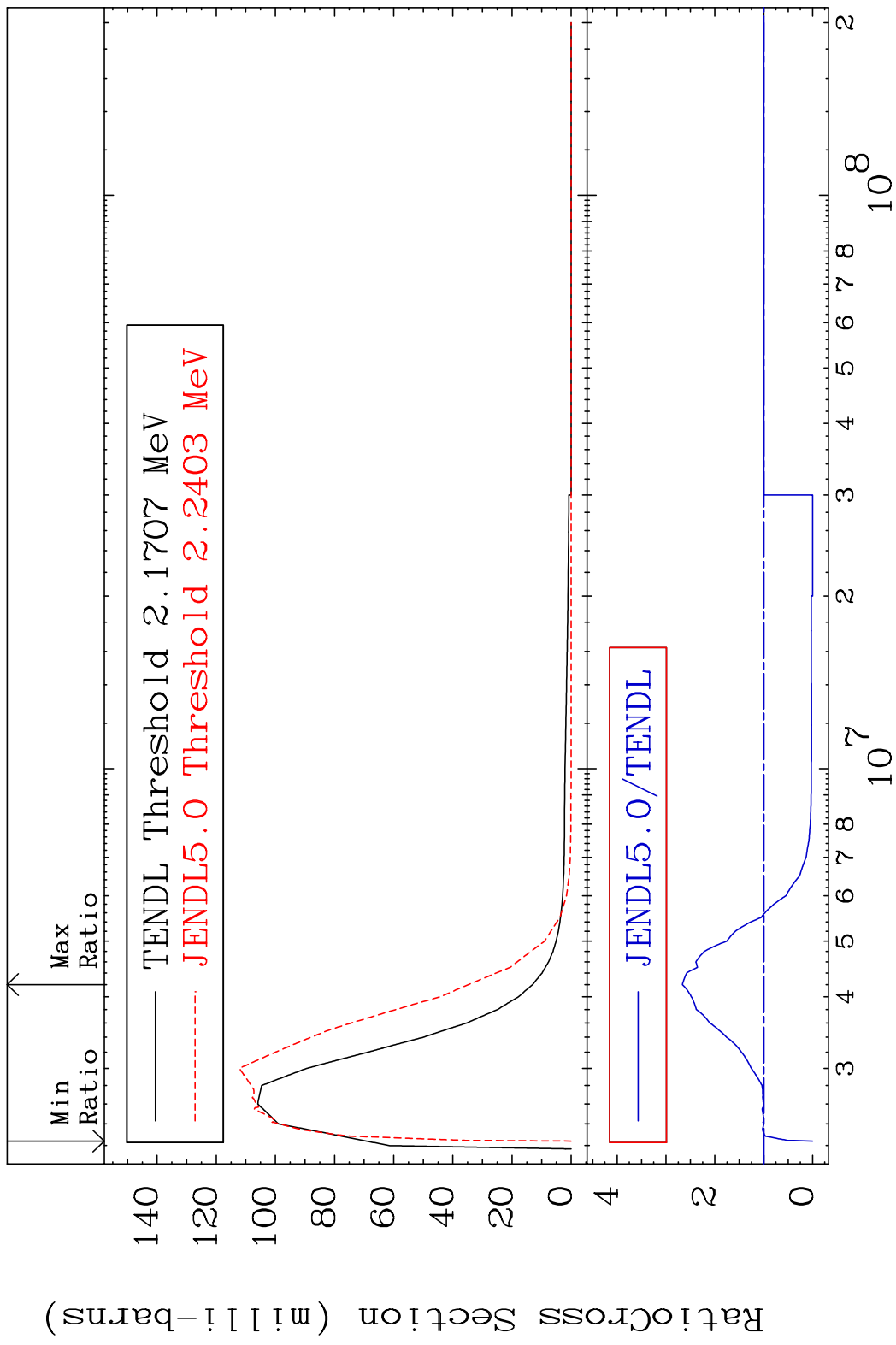
MAT 6231 MT= 59 (n, n') Level 62-Sm-146
 Cross Section -100.0 To 9999. %



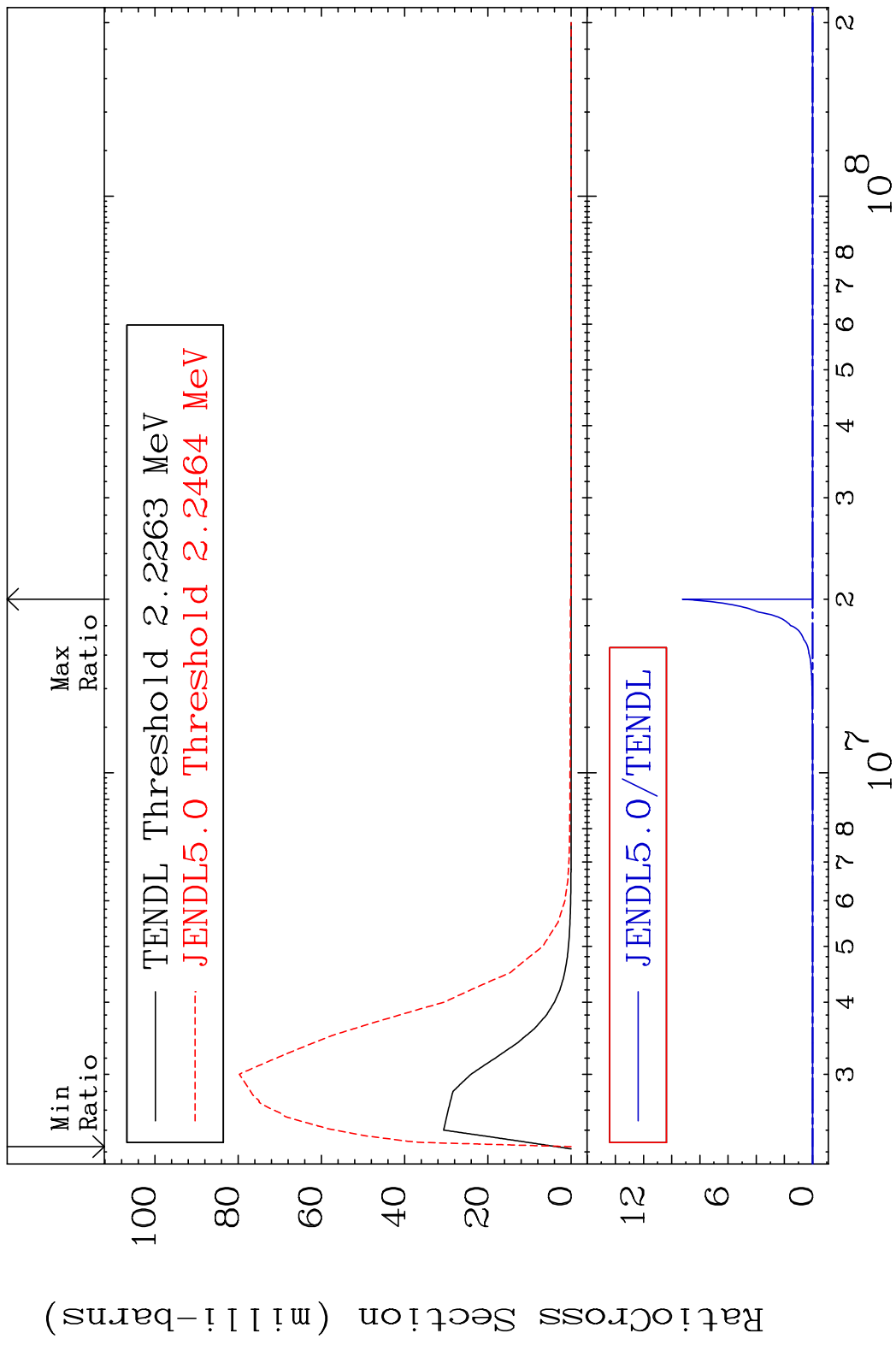
MAT 6231 MT= 60 (n,n') Level 62-Sm-146
 Cross Section -100.0 To 170.0 %



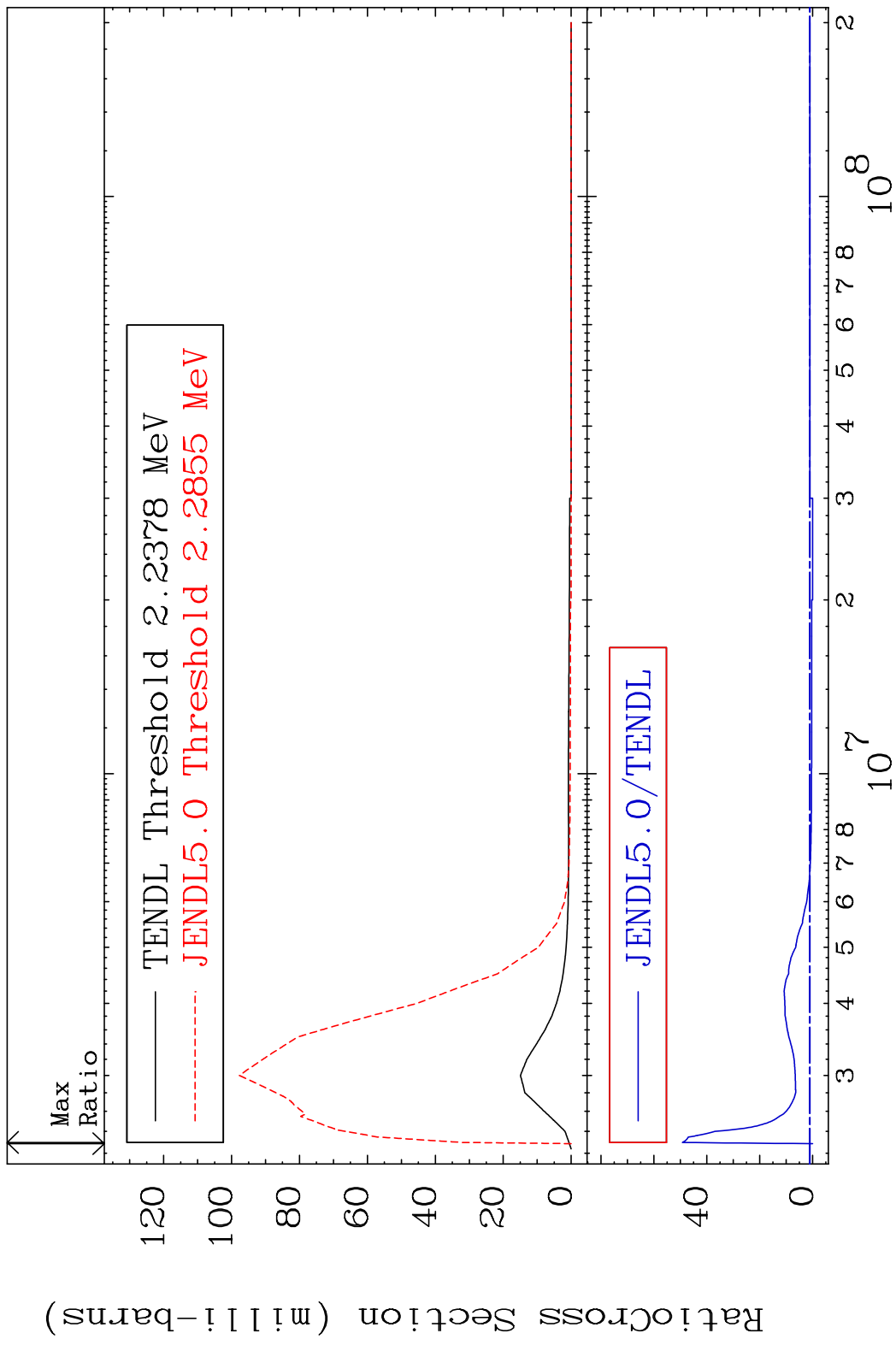
MAT 6231 MT= 61 (n,n') Level 62-Sm-146
 Cross Section -100.0 To 166.4 %



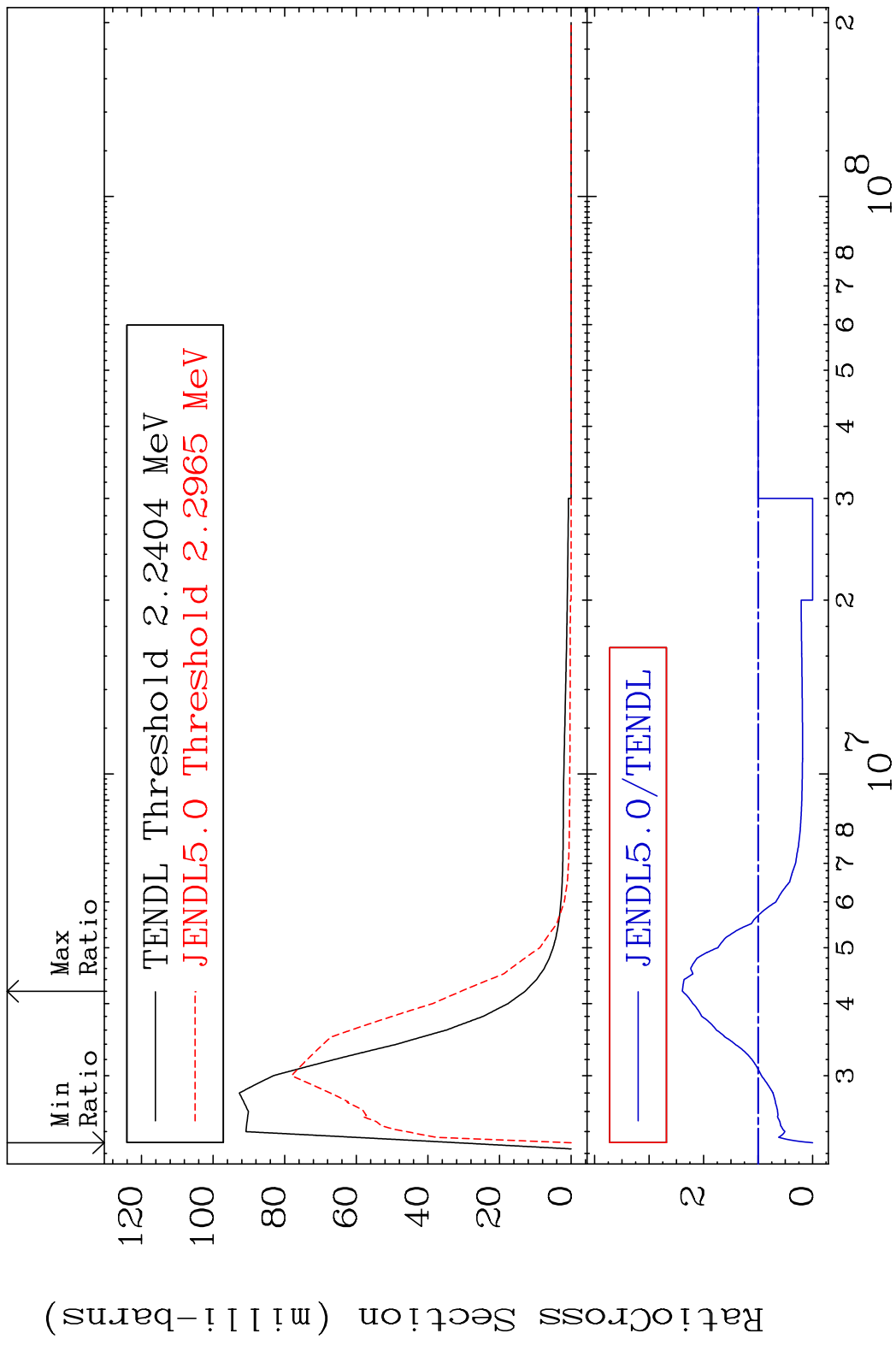
MAT 6231 MT= 62 (n, n') Level 62-Sm-146
 Cross Section -100.0 To 9999. %



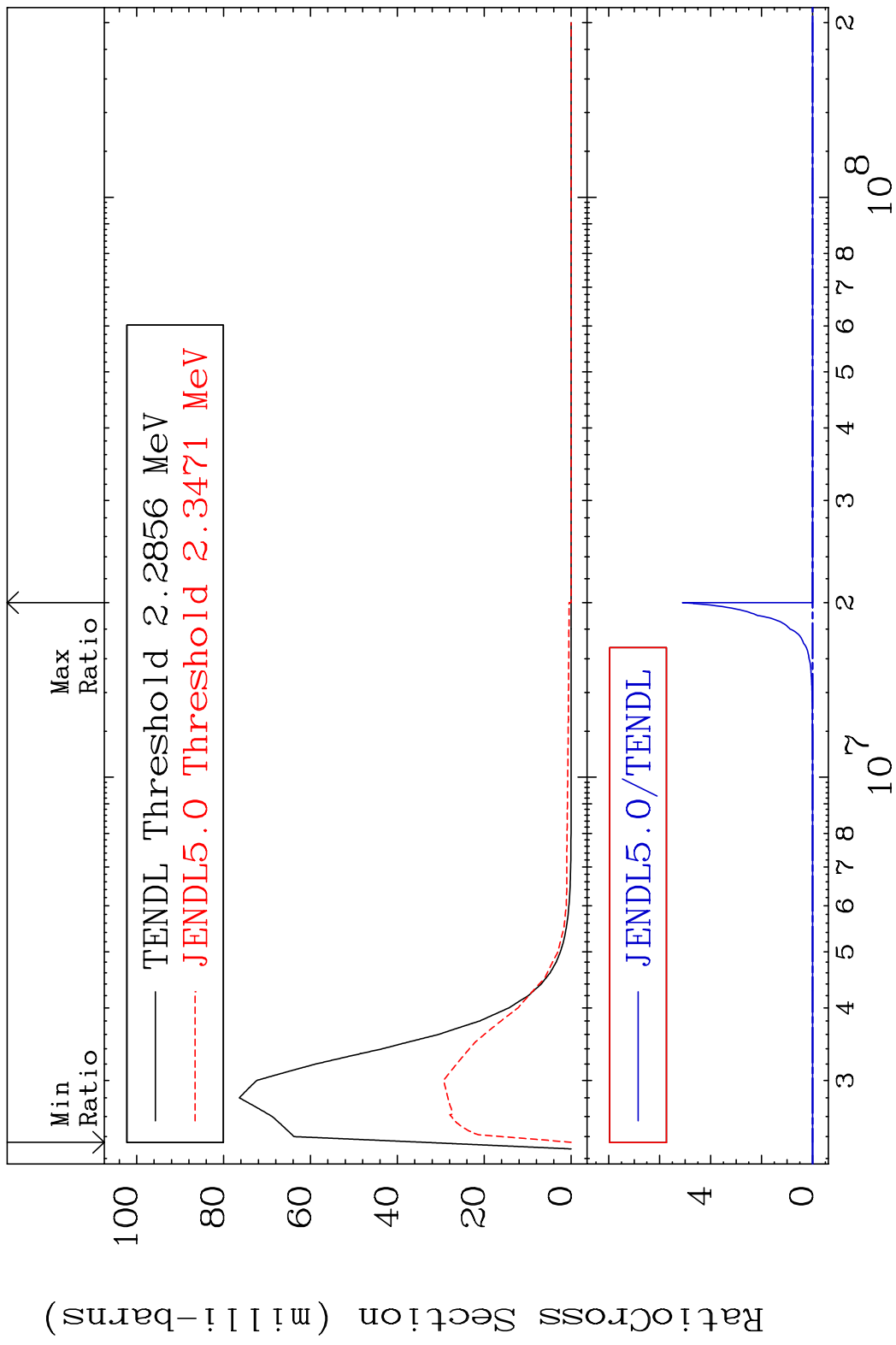
MAT 6231 MT= 63 (n,n') Level 62-Sm-146
 Cross Section -100.0 To 4823. %



MAT 6231 MT= 64 (n,n') Level 62-Sm-146
 Cross Section -100.0 To 139.0 %



MAT 6231 MT= 65 (n, n') Level 62-Sm-146
 Cross Section -100.0 To 9999. %

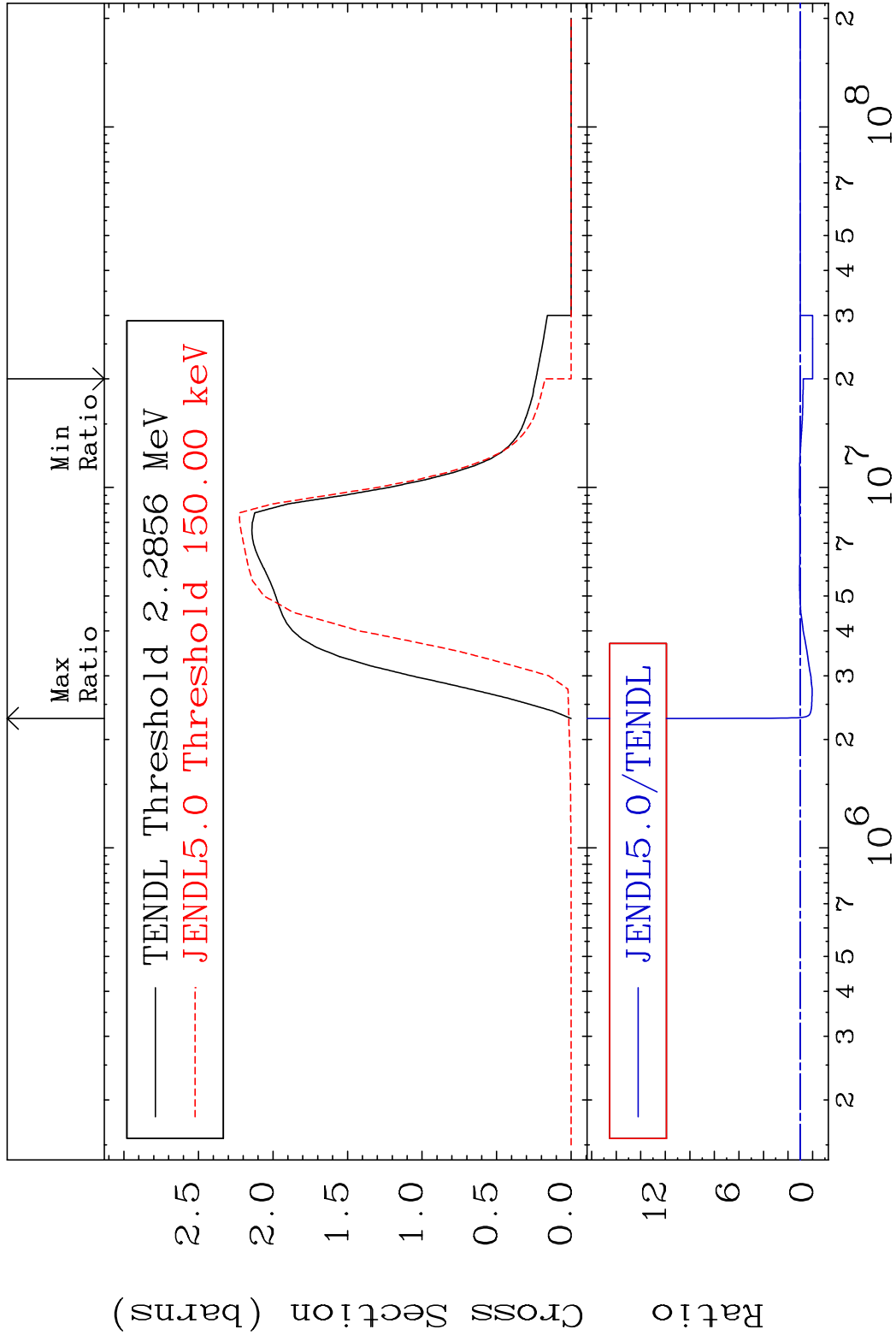


MAT 6231

(n, n') Continuum

62-Sm-146

Cross Section -100.0 To 961.0 %



28

Incident Energy (eV)

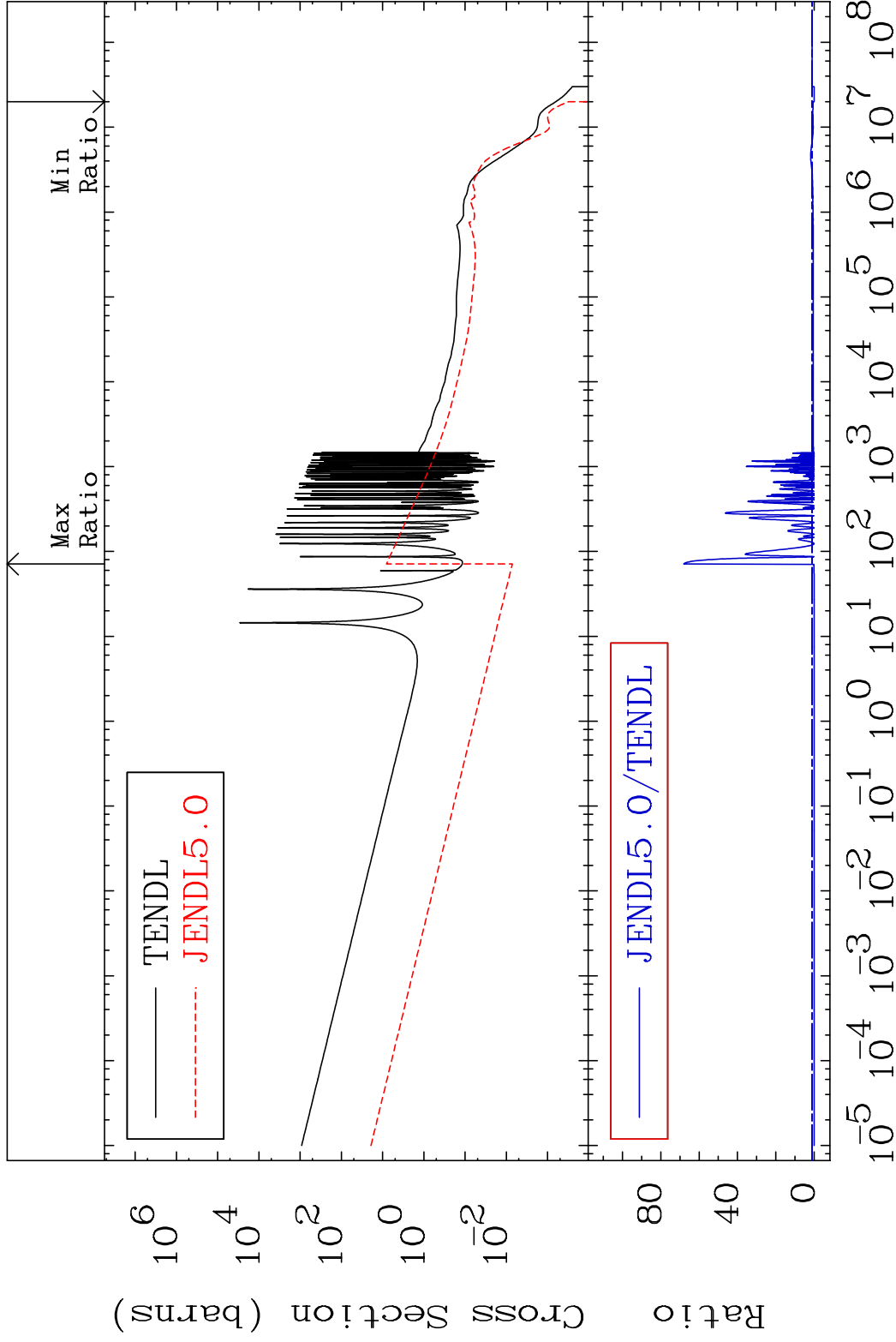
62-Sm-146

MAT 6231

(n, γ)

62-Sm-146

Cross Section -100.0 To 6707. %



29

Incident Energy (eV)

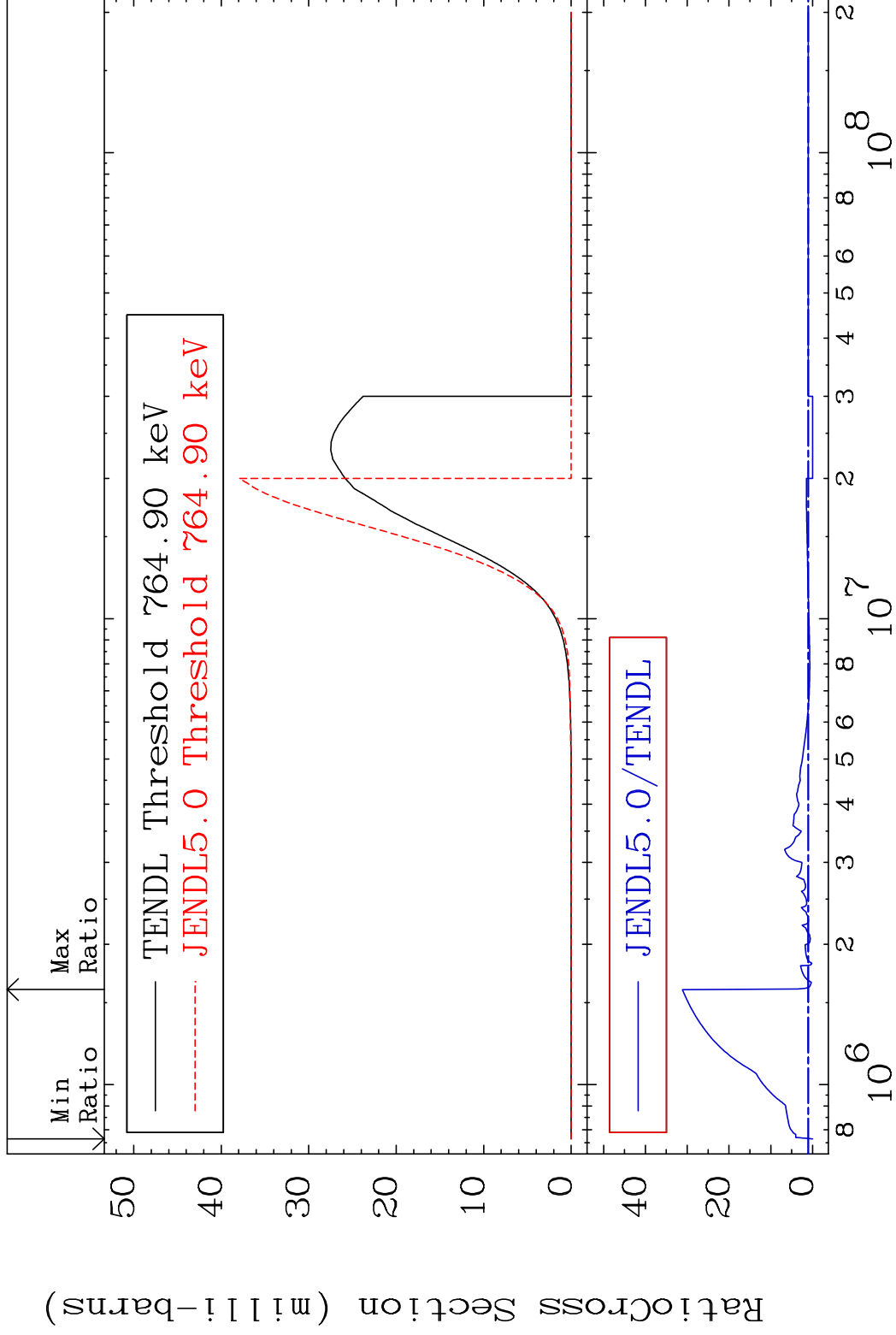
62-Sm-146

MAT 6231

(n,p)

62-Sm-146

Cross Section -100.0 To 3016. %



30

Incident Energy (eV)

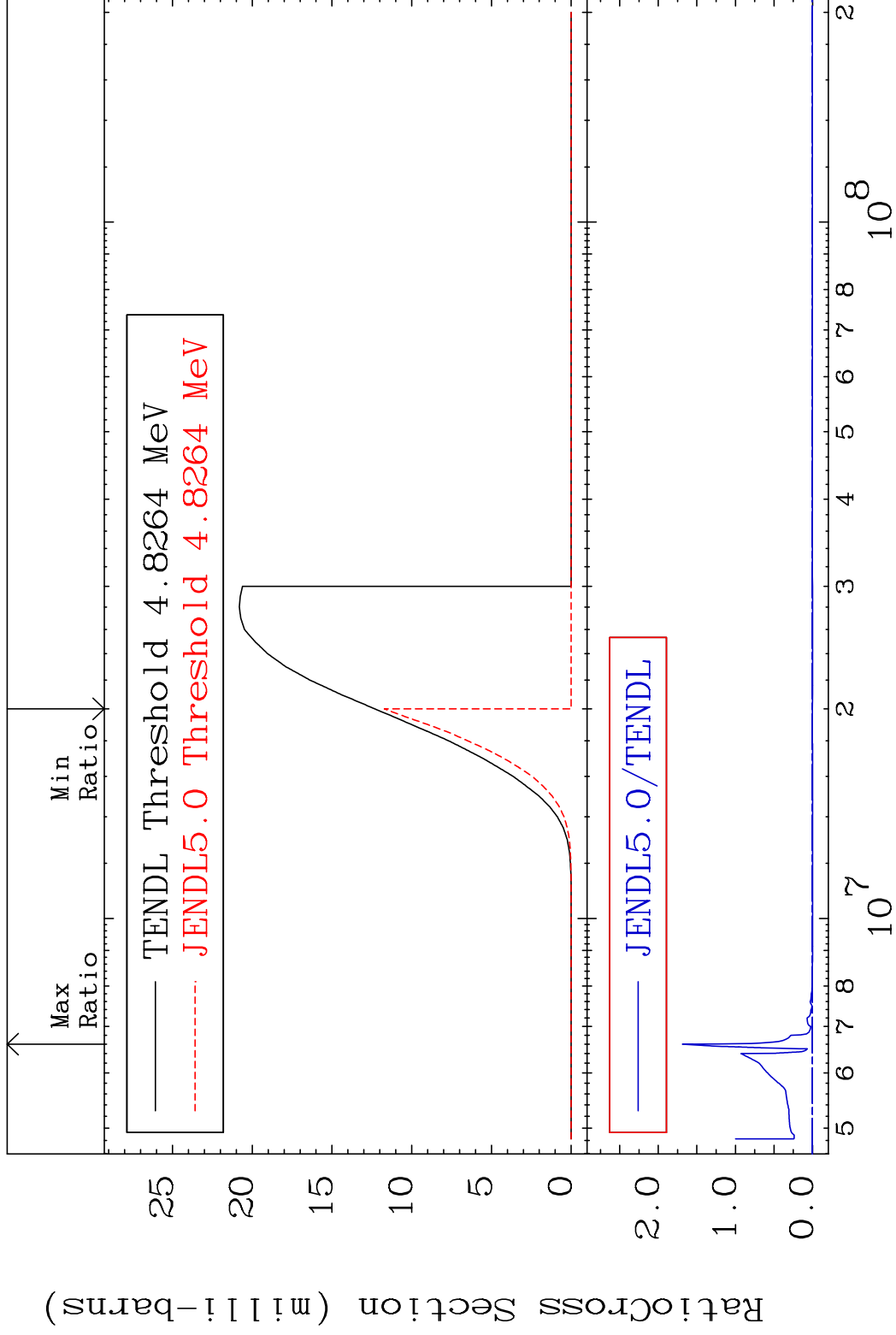
62-Sm-146

MAT 6231

(n, d)

62-Sm-146

Cross Section -100.0 To 9999. %



31

Incident Energy (eV)

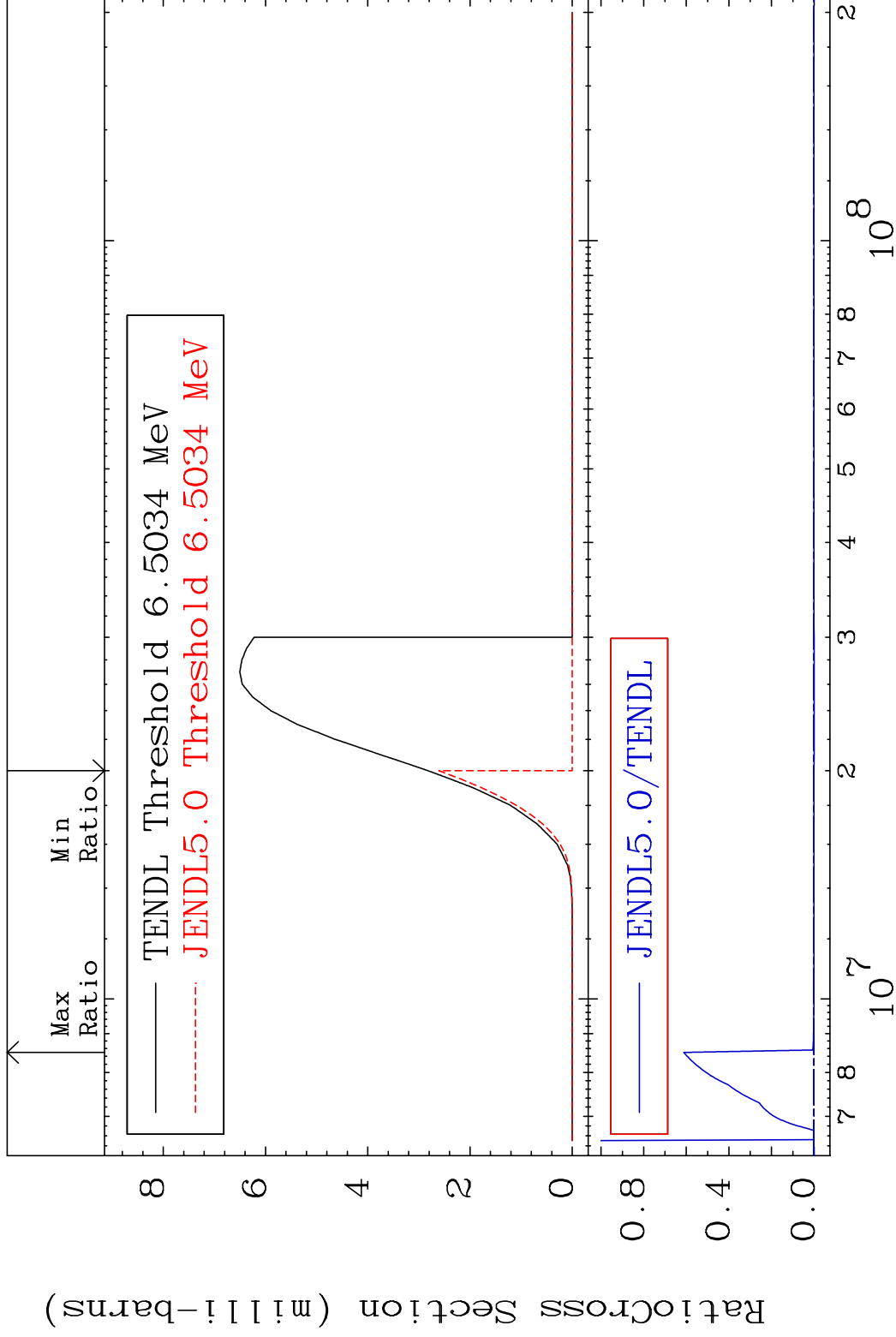
62-Sm-146

MAT 6231

(n, t)

62-Sm-146

Cross Section -100.0 To 9999. %



32

Incident Energy (eV)

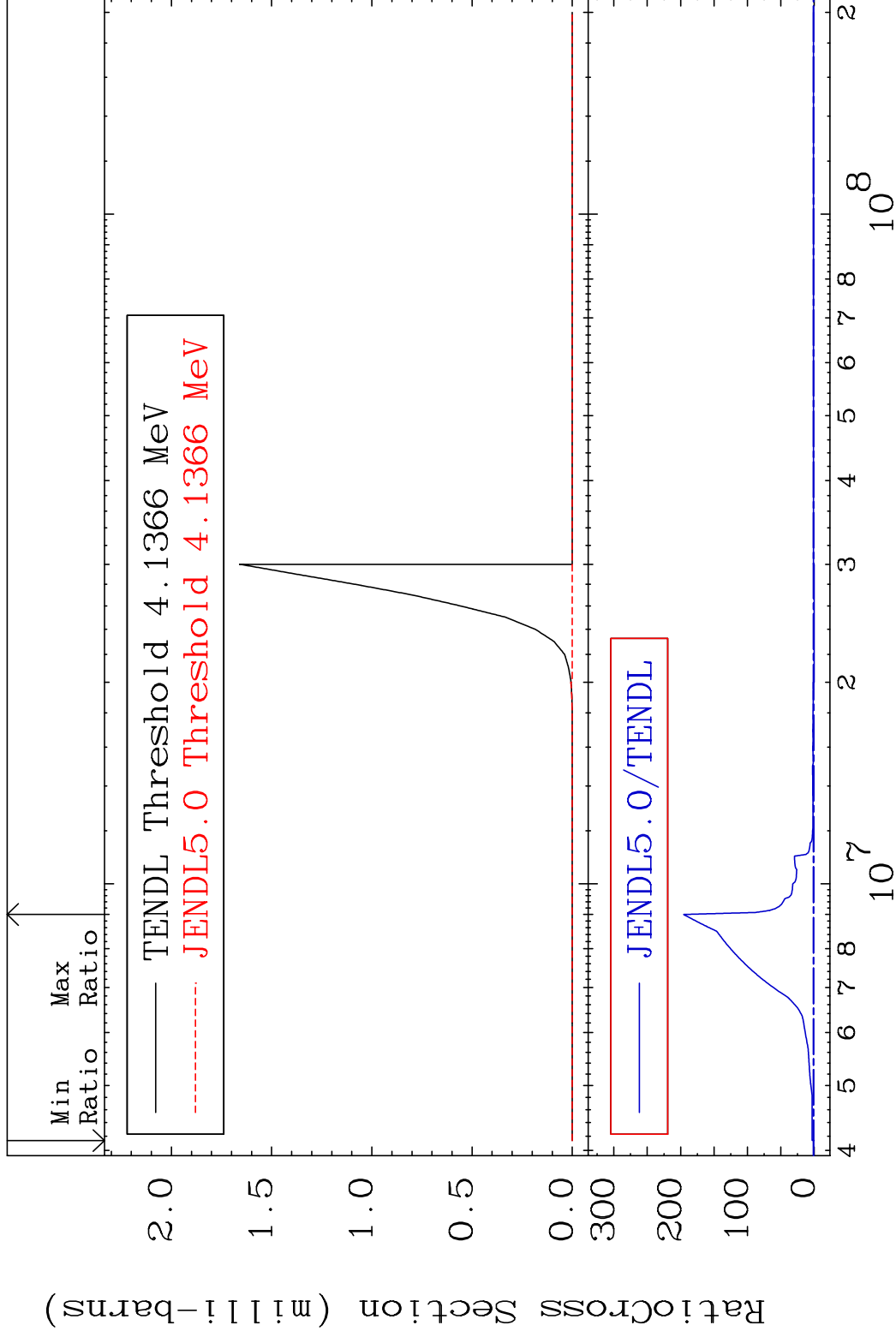
62-Sm-146

MAT 6231

(n, He-3)

62-Sm-146

Cross Section -100.0 To 9999. %



33

Incident Energy (eV)

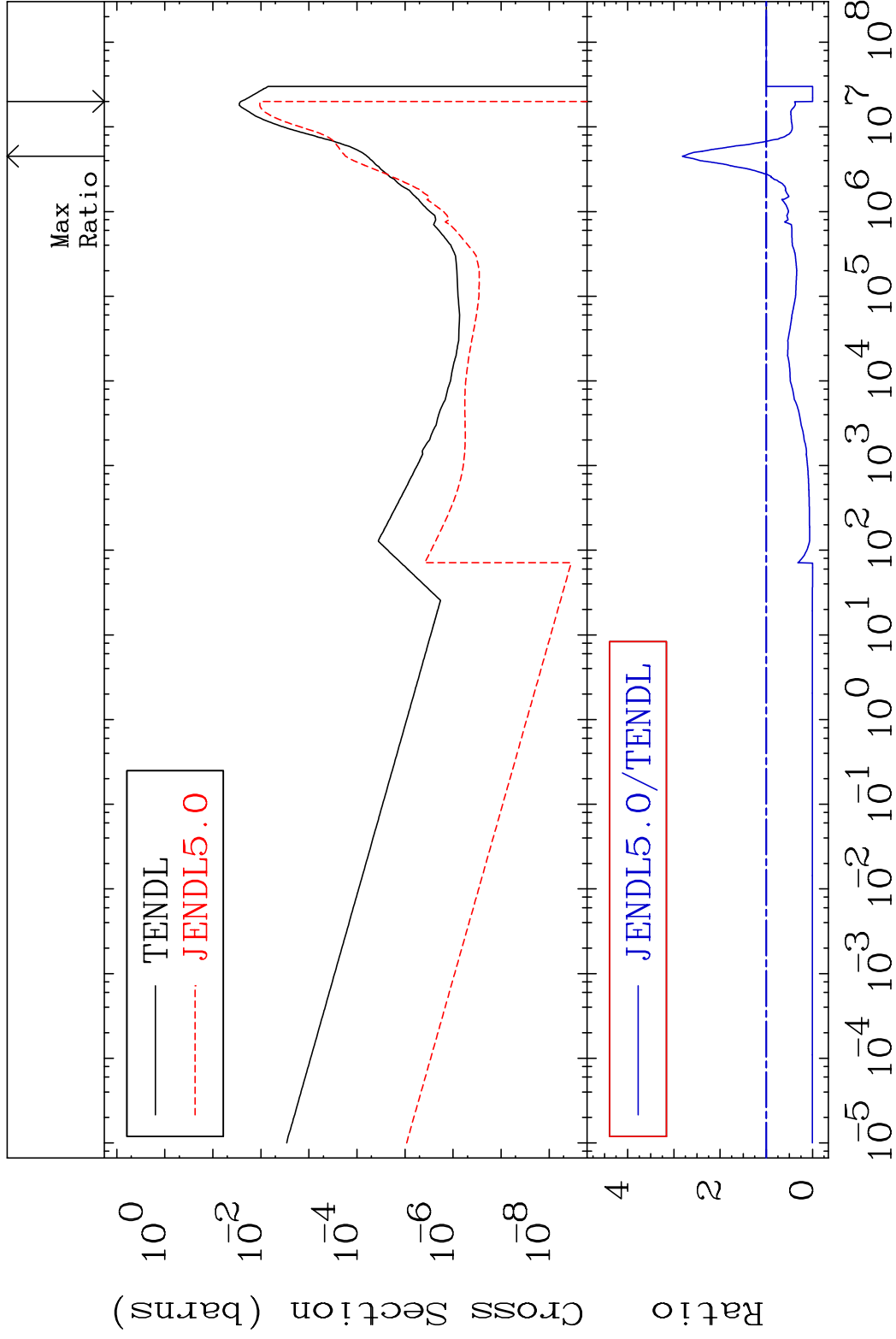
62-Sm-146

MAT 6231

(n, α)

62-Sm-146

Cross Section -100.0 To 181.7 %



34

Incident Energy (eV)

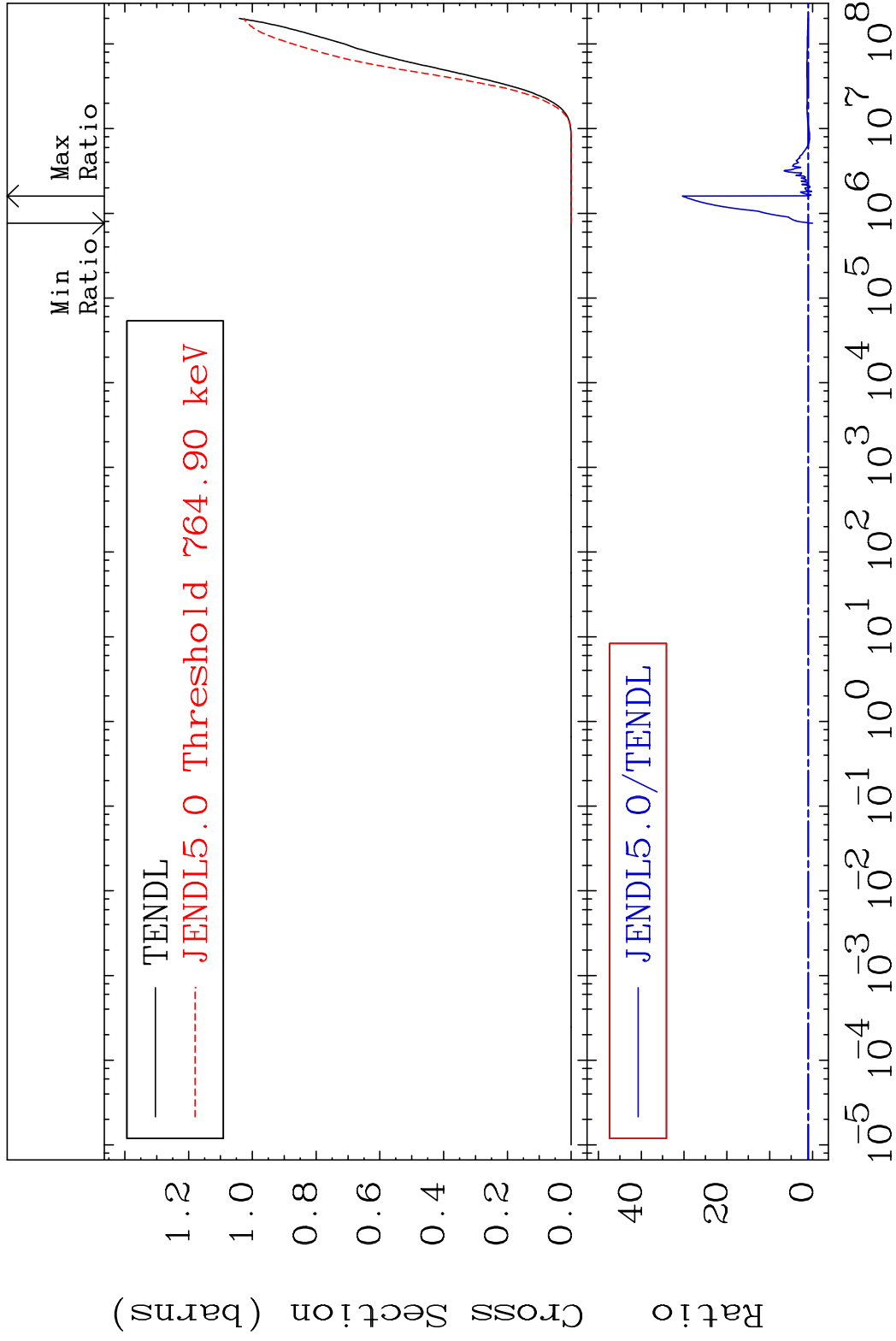
62-Sm-146

MAT 6231

Hydrogen Production

62-Sm-146

Cross Section -100.0 To 2940. %

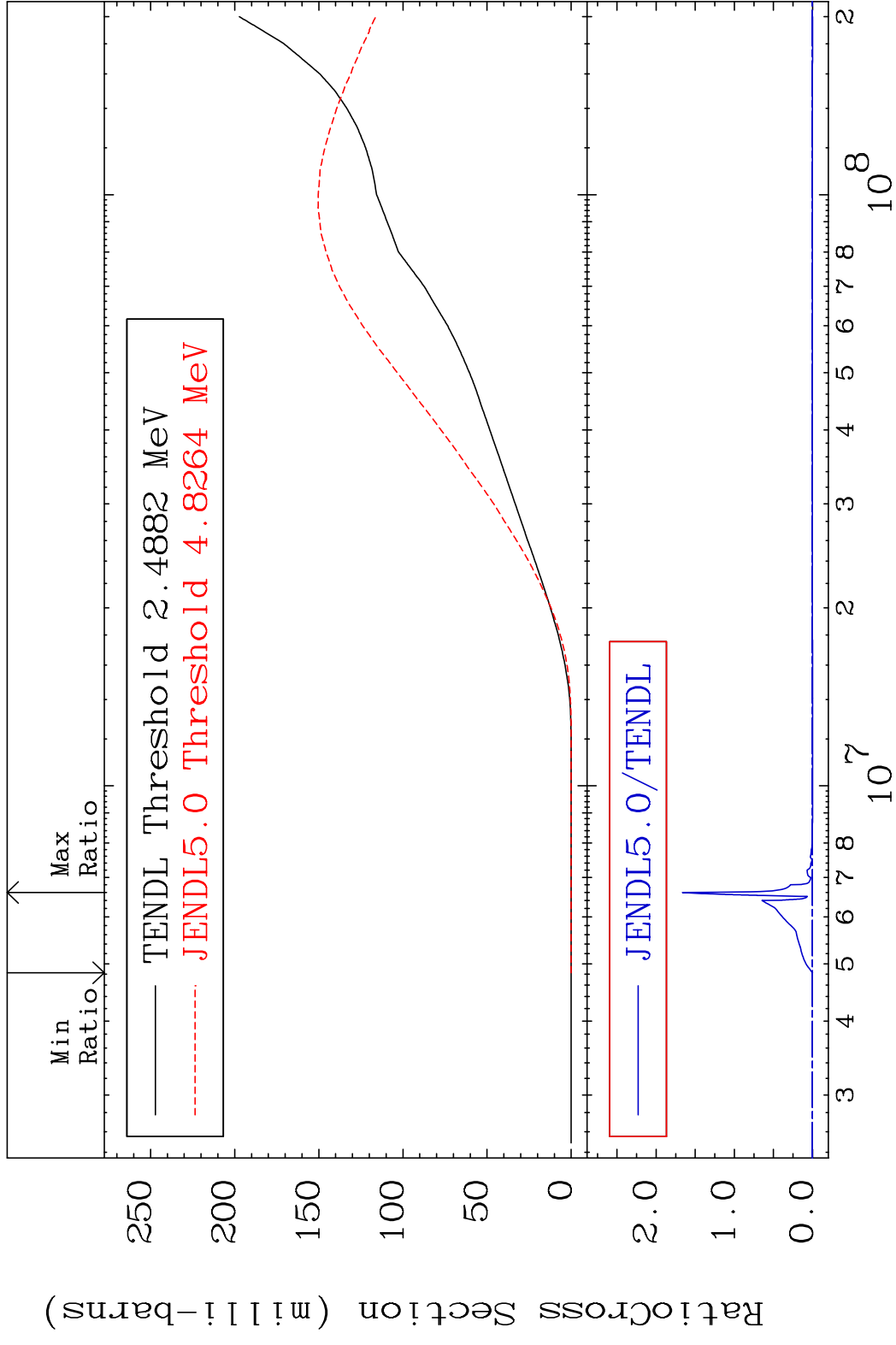


35

Incident Energy (eV)

62-Sm-146

MAT 6231 Deuterium Production 62-Sm-146
 Cross Section -100.0 To 9999. %

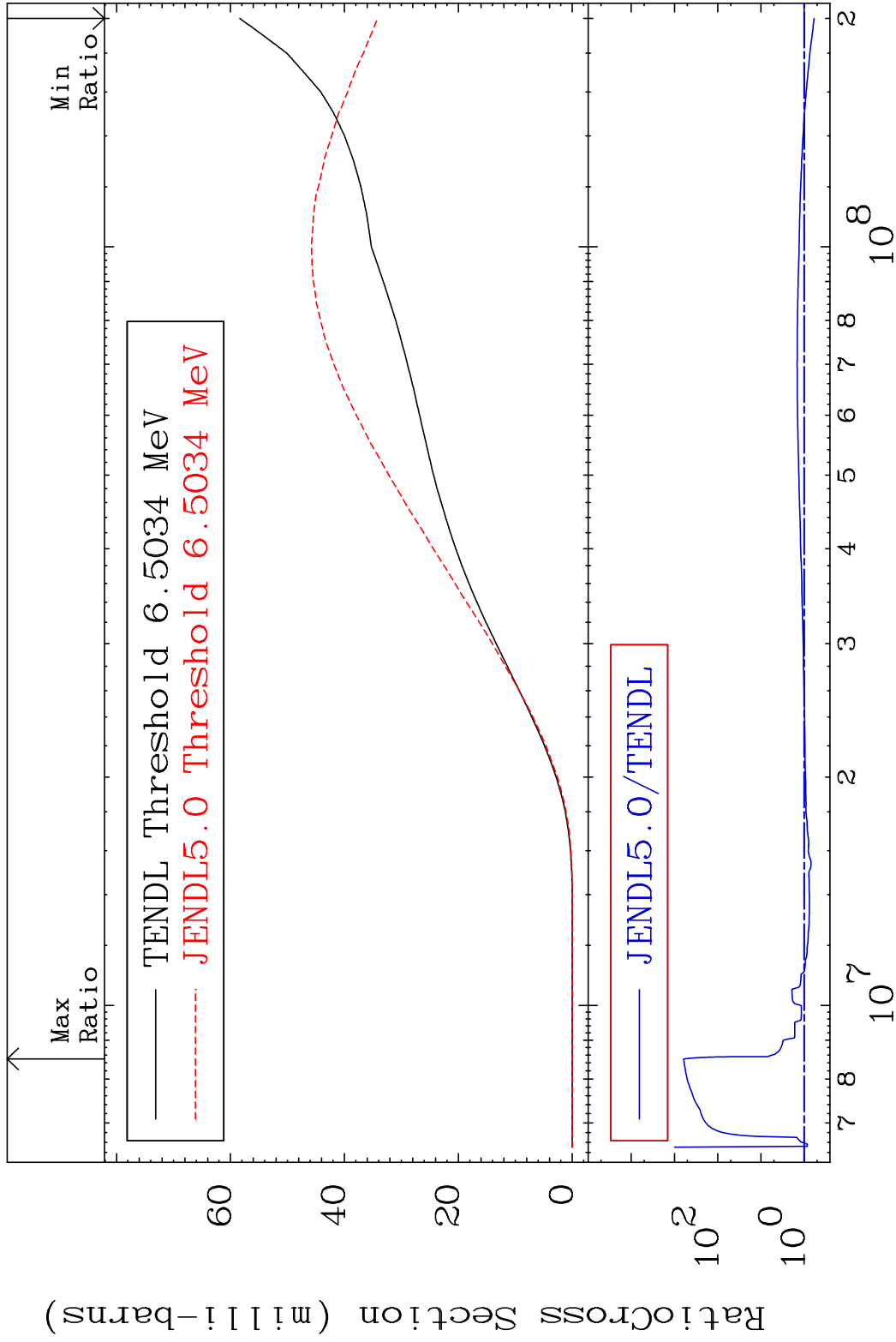


MAT 6231

Tritium Production

62-Sm-146

Cross Section -41.44 To 9999. %



37

Incident Energy (eV)

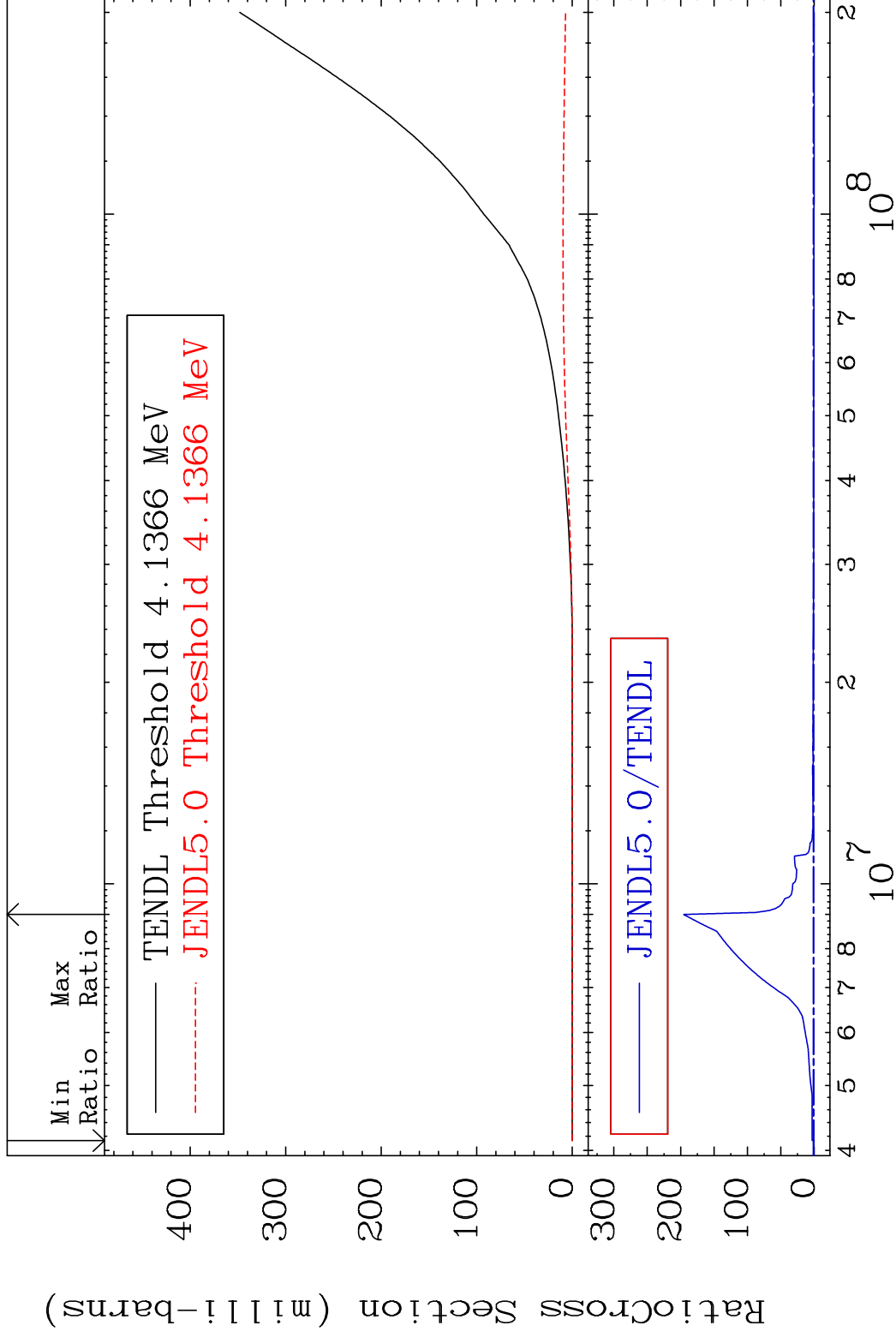
62-Sm-146

MAT 6231

He-3 Production

62-Sm-146

Cross Section -100.0 To 9999. %



38

Incident Energy (eV)

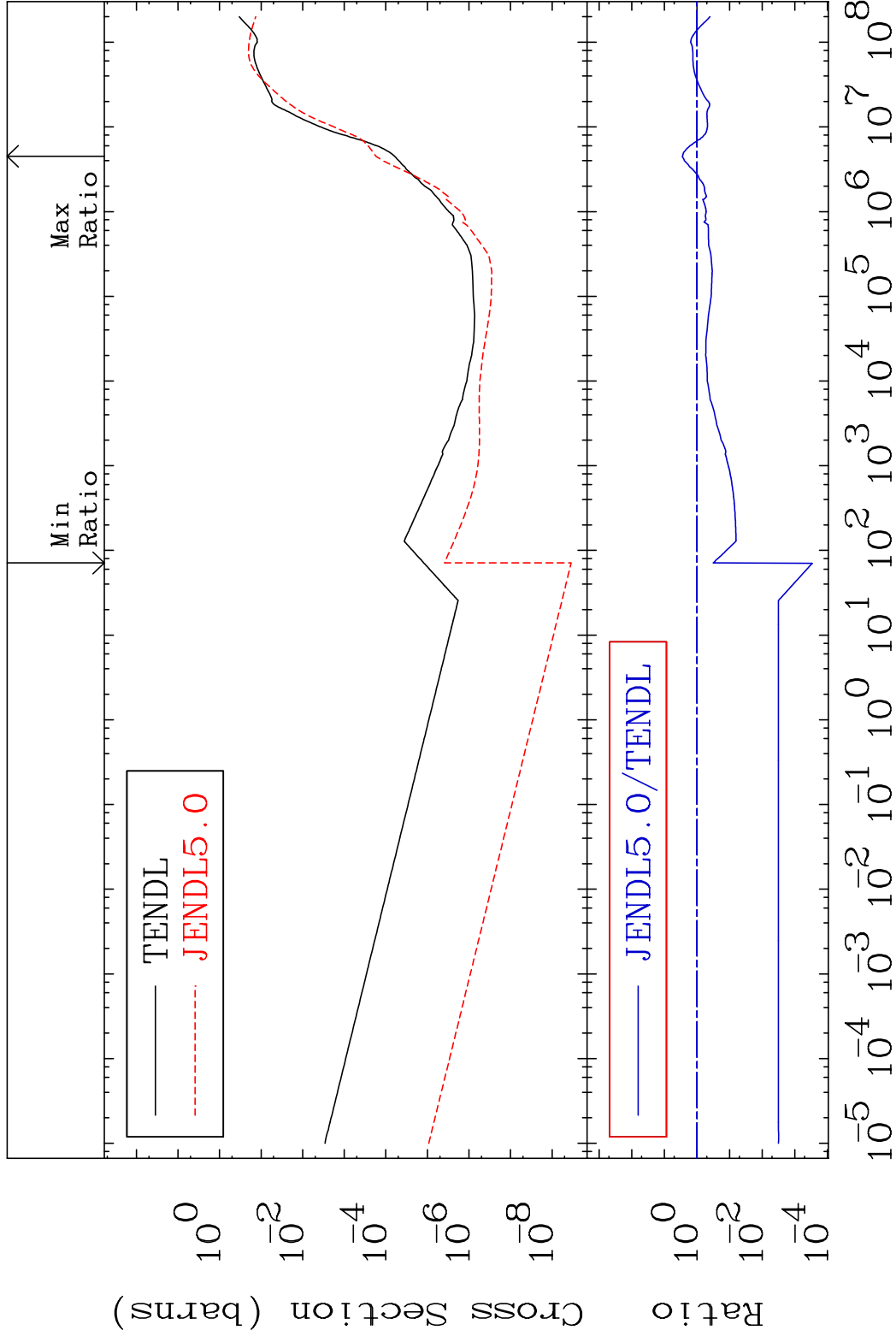
62-Sm-146

MAT 6231

He-4 Production

62-Sm-146

Cross Section -99.97 To 181.4 %

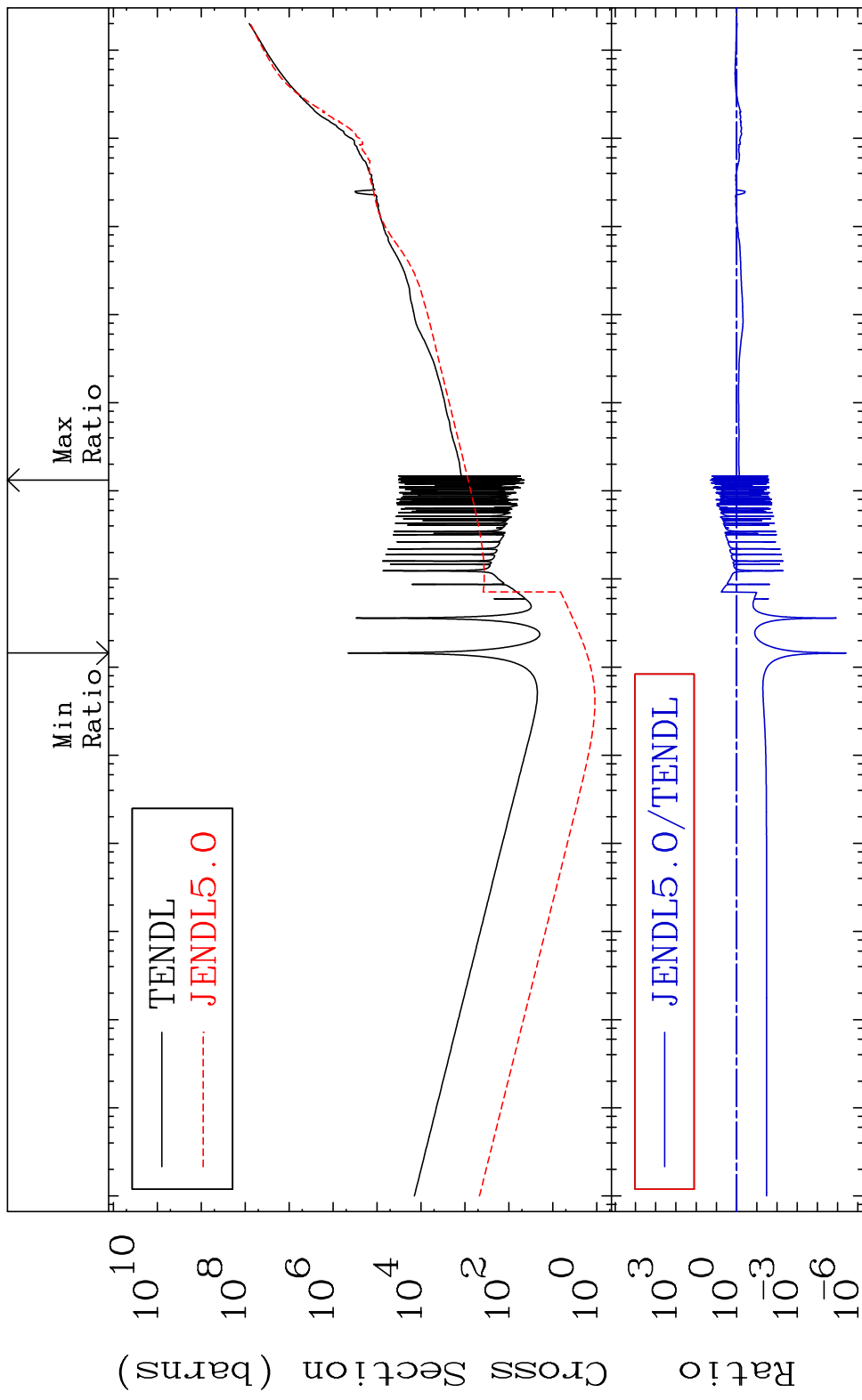


39

Incident Energy (eV)

62-Sm-146

MAT 6231 Kerma total (eV-barns) 62-Sm-146
 Cross Section -100.0 To 1804. %

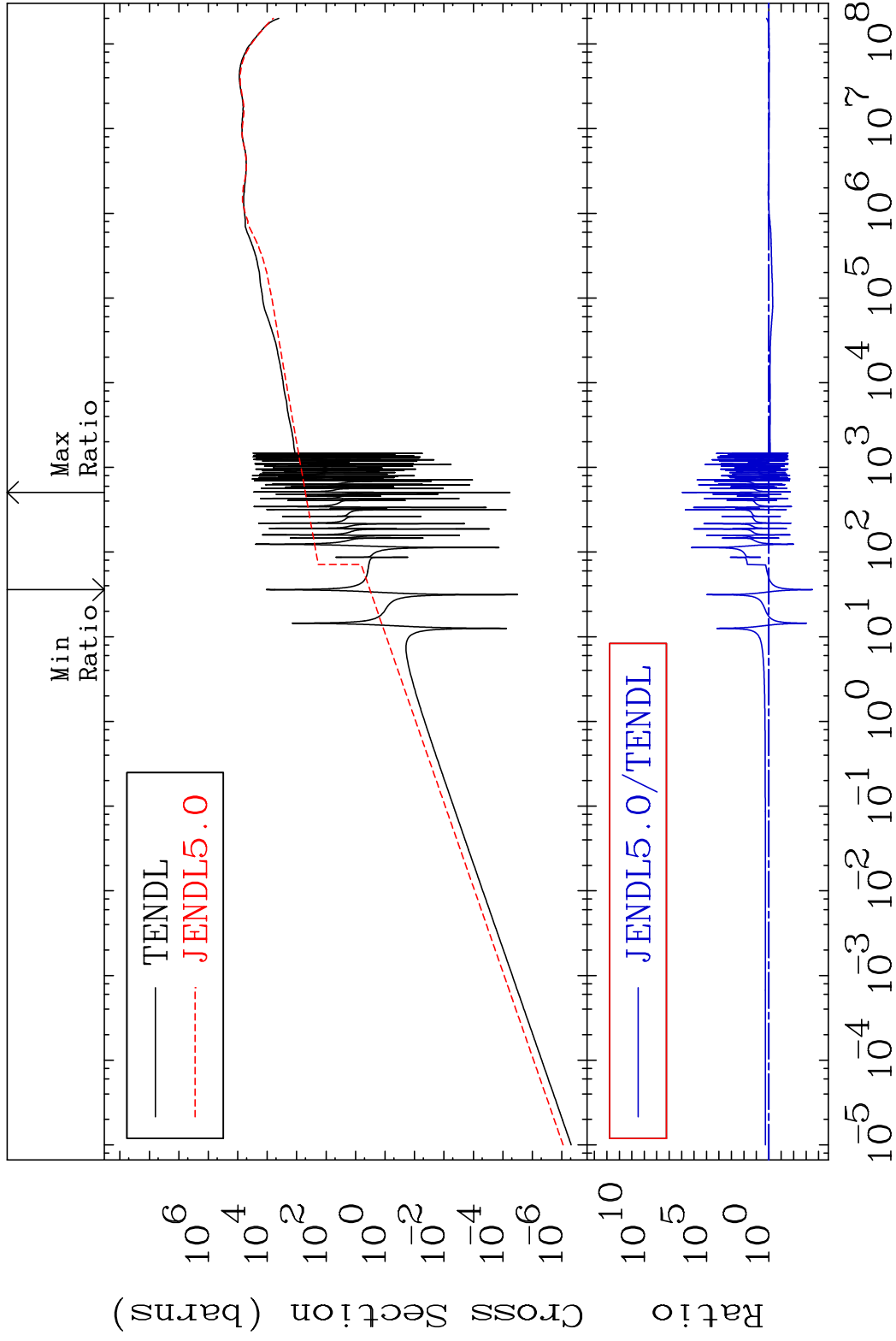


40 Incident Energy (eV) 62-Sm-146

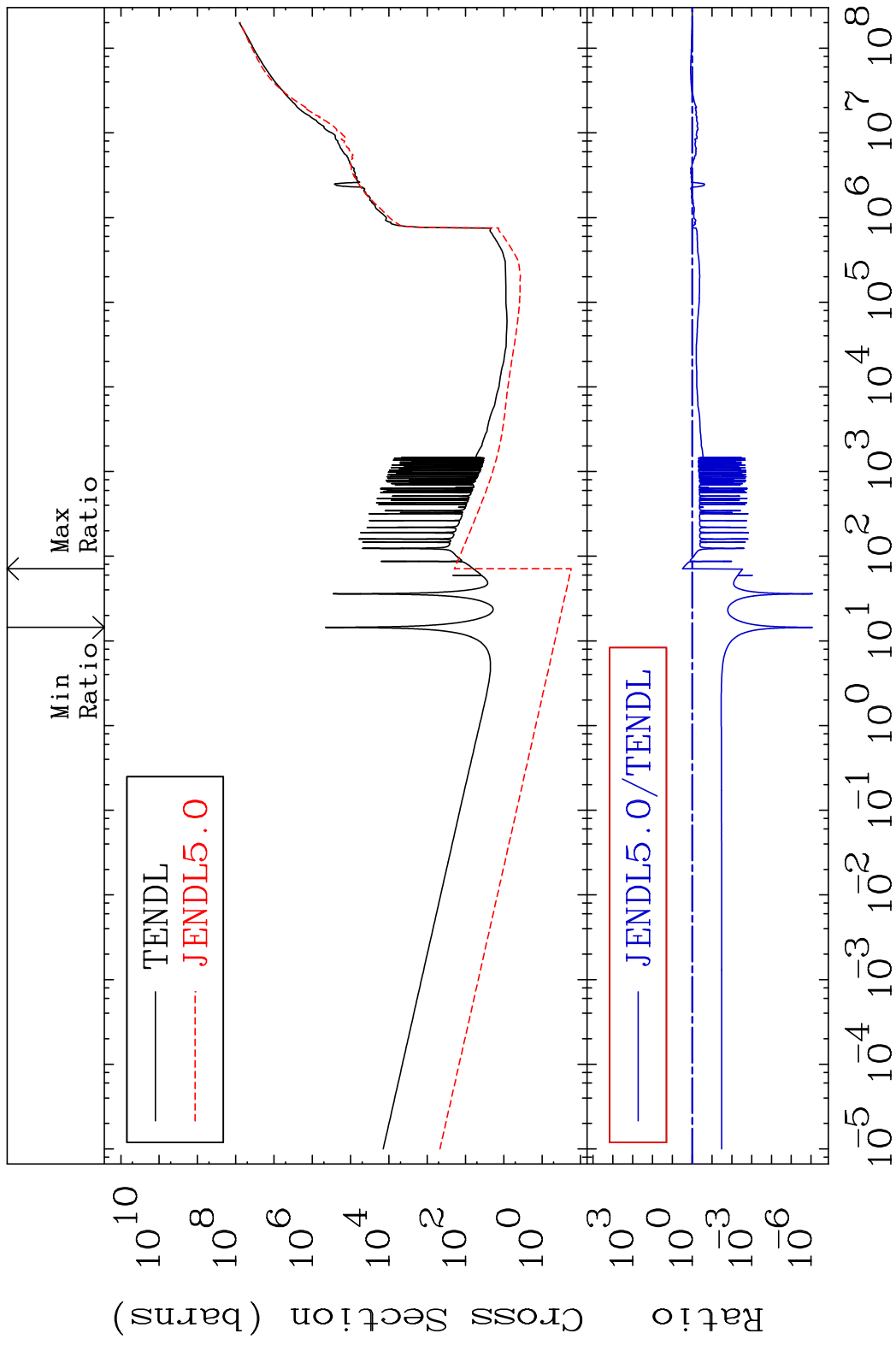
MAT 6231

Kerma elastic
Cross Section -99.97 To 9999. %

62-Sm-146

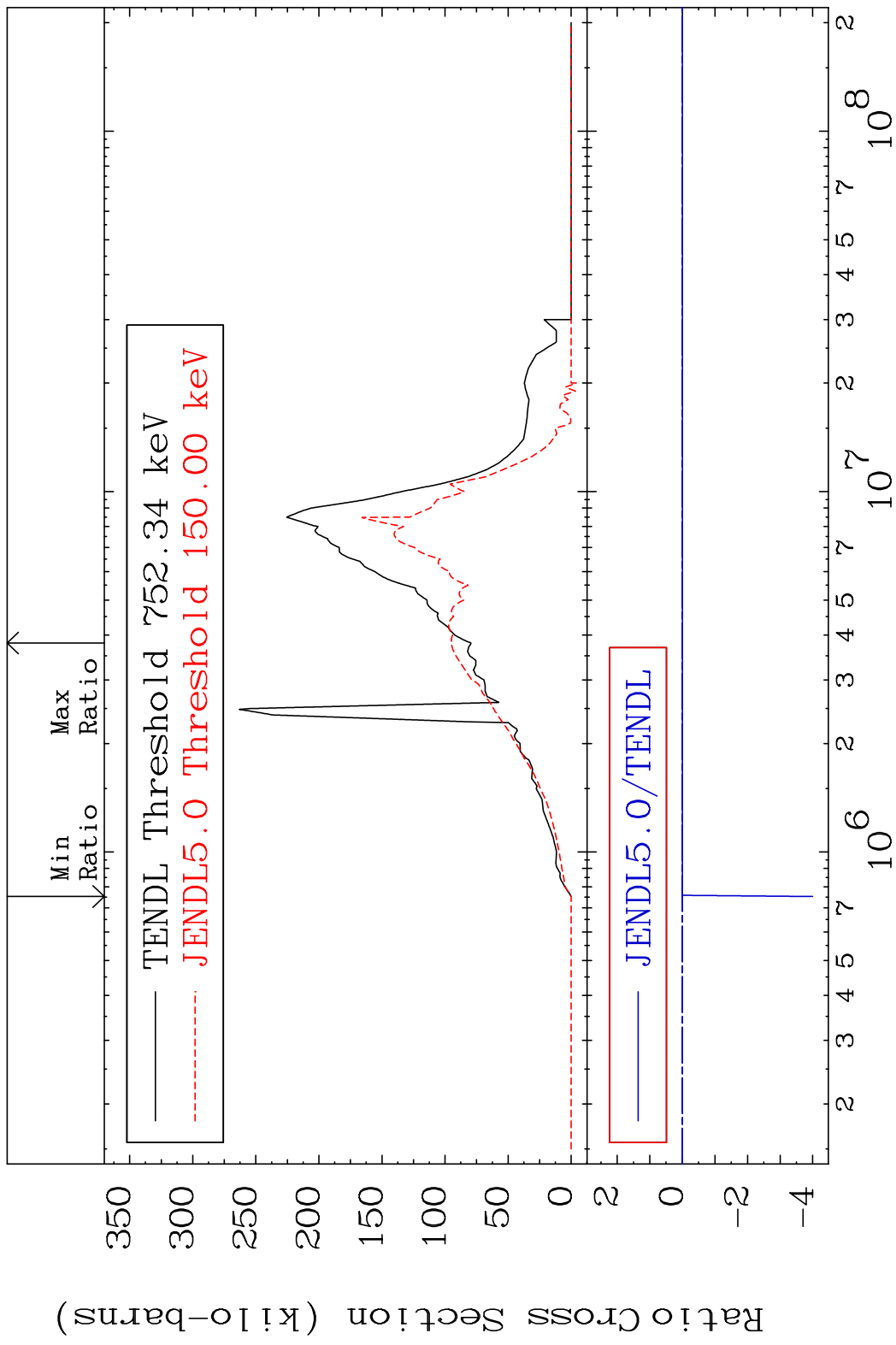


MAT 6231 Kerma non-elastic (all but mt2) 62-Sm-146
 Cross Section -100.0 To 211.1 %

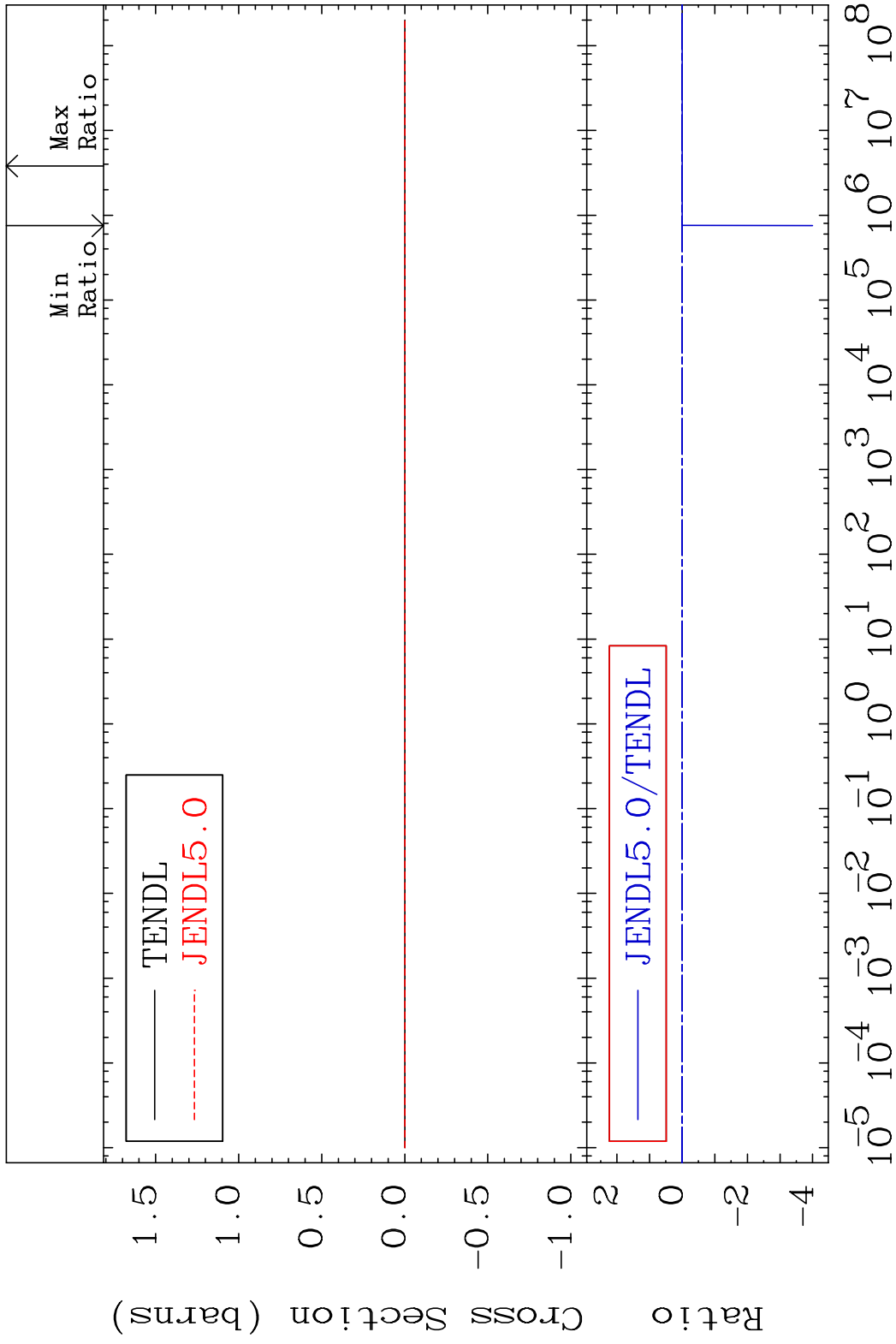


42 Incident Energy (eV) 62-Sm-146

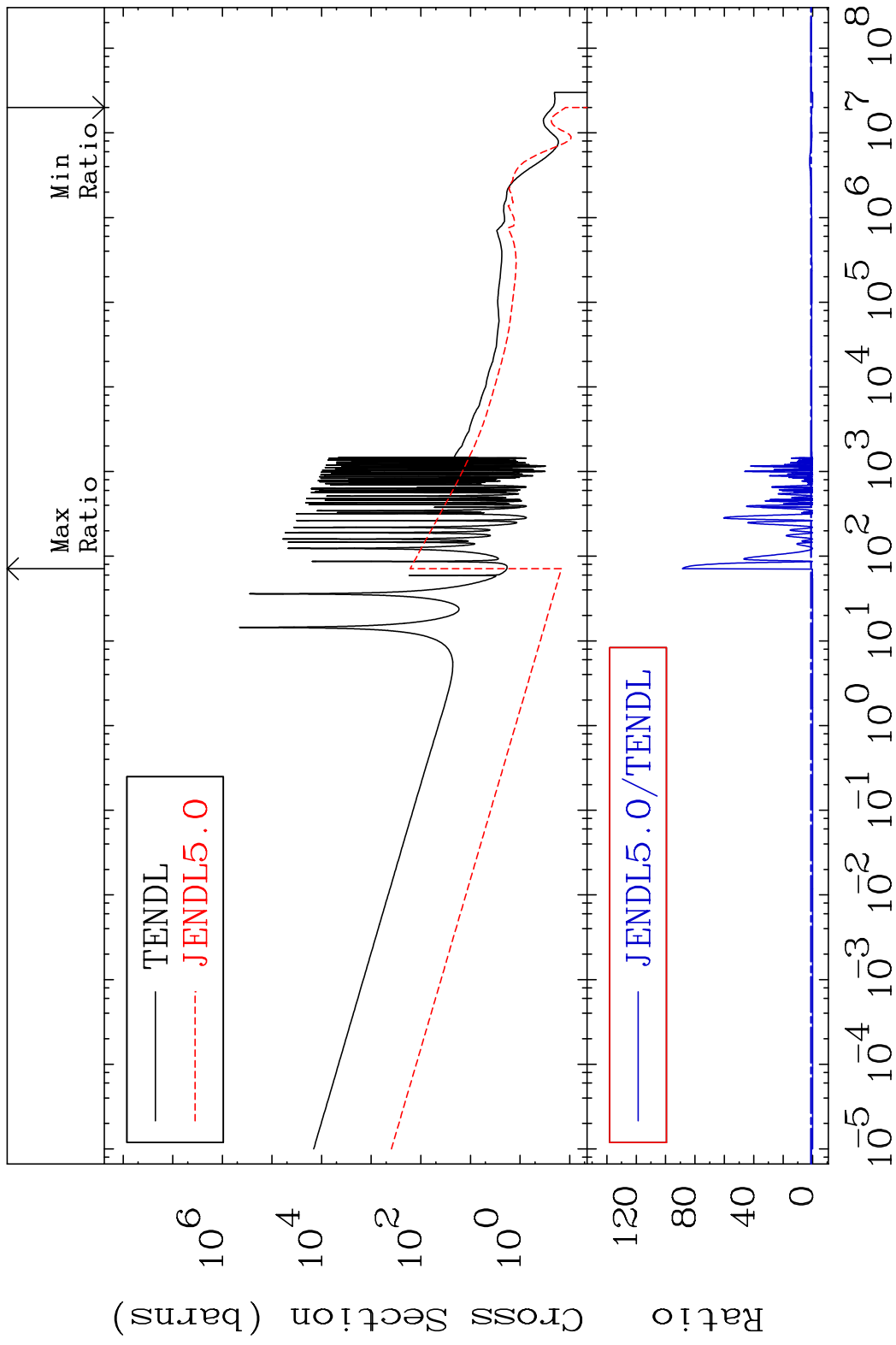
MAT 6231 Kerma inelastic (mt51-91) 62-Sm-146
 Cross Section -9999. To 19.79 %



MAT 6231 Kerma fission (mt18 or mt19-20-21-38) ^{62}Sm -146
 Cross Section -9999. To 19.79 %

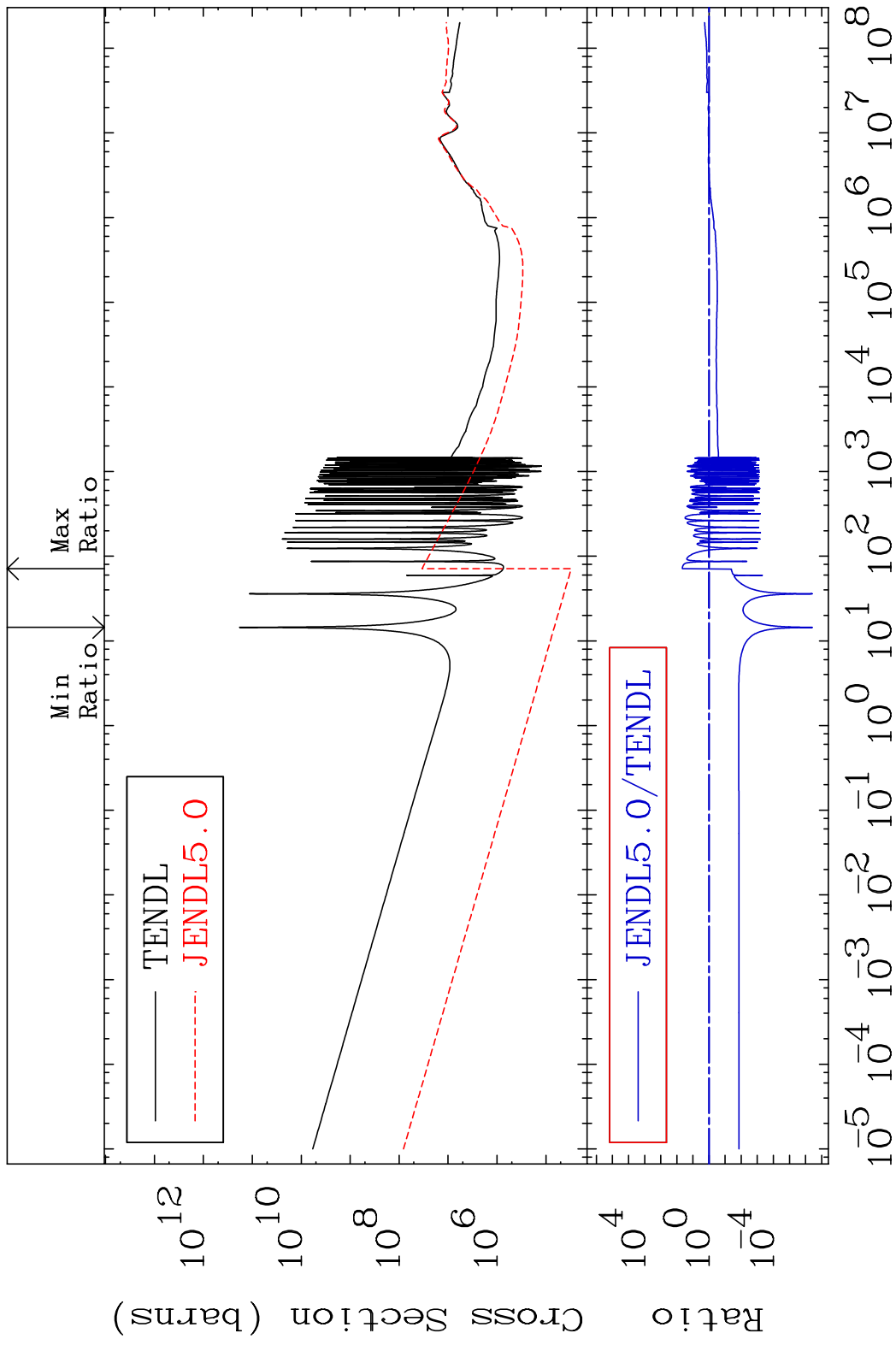


MAT 6231 Kerma capture (mt102) 62-Sm-146
 Cross Section -100.0 To 8761. %

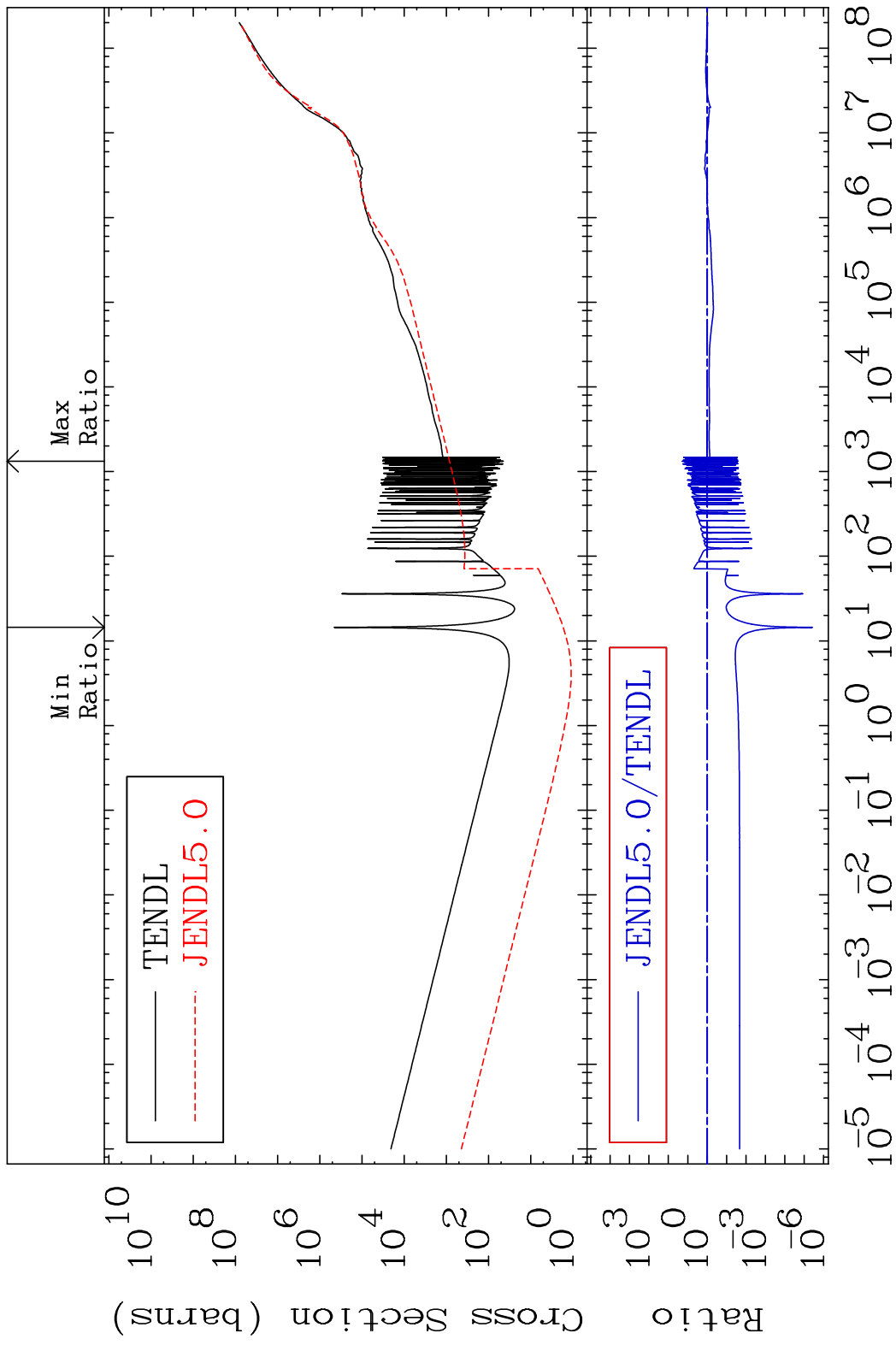


45 Incident Energy (eV) 62-Sm-146

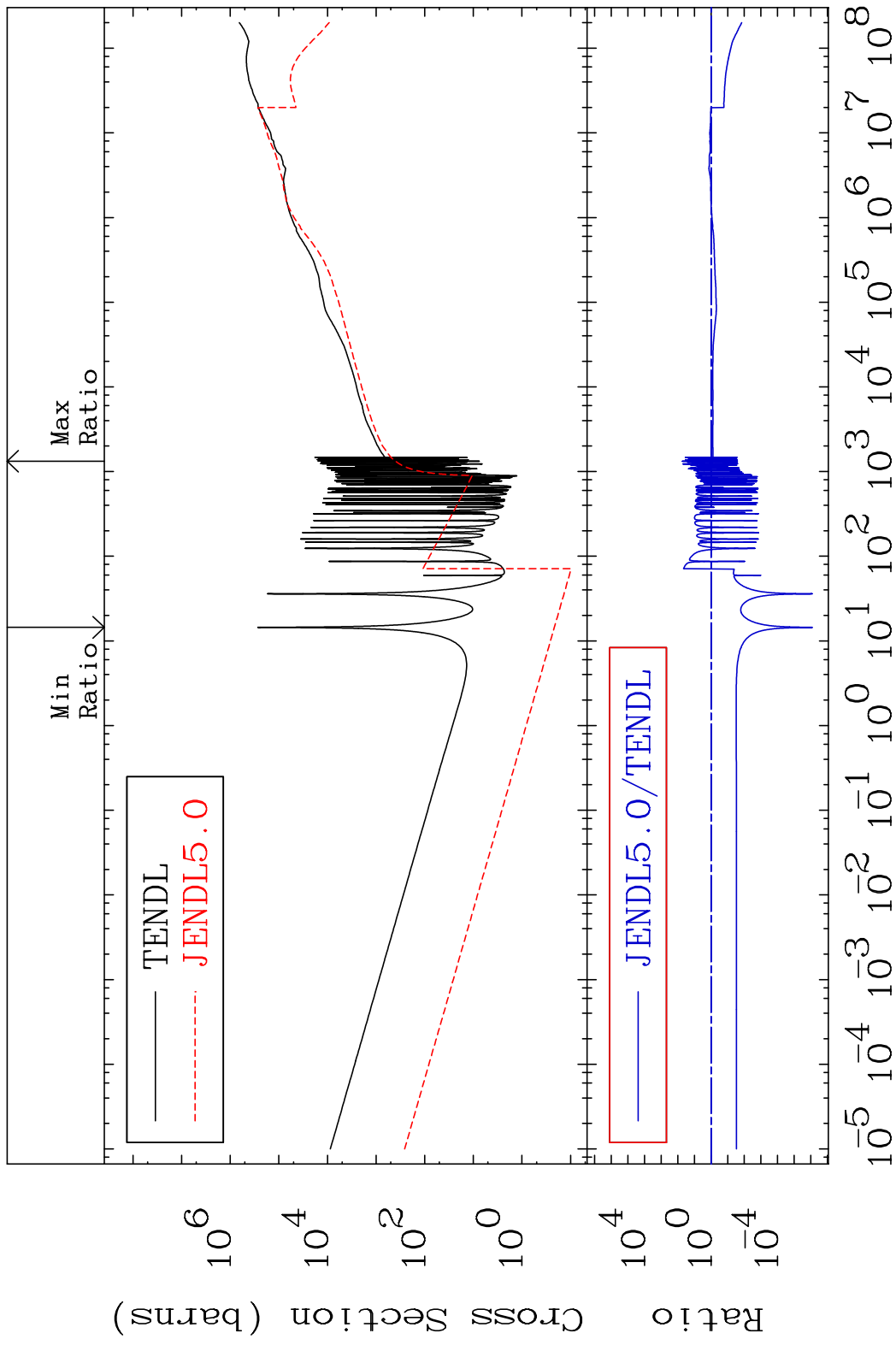
MAT 6231 Total photon (eV-barns) 62-Sm-146
 Cross Section -100.0 To 4444. %



MAT 6231 Total kinematic kerma (high limit) 62-Sm-146
 Cross Section -100.0 To 1796. %



MAT 6231 Dpa total (eV-barns) 62-Sm-146
 Cross Section -100.0 To 5199. %

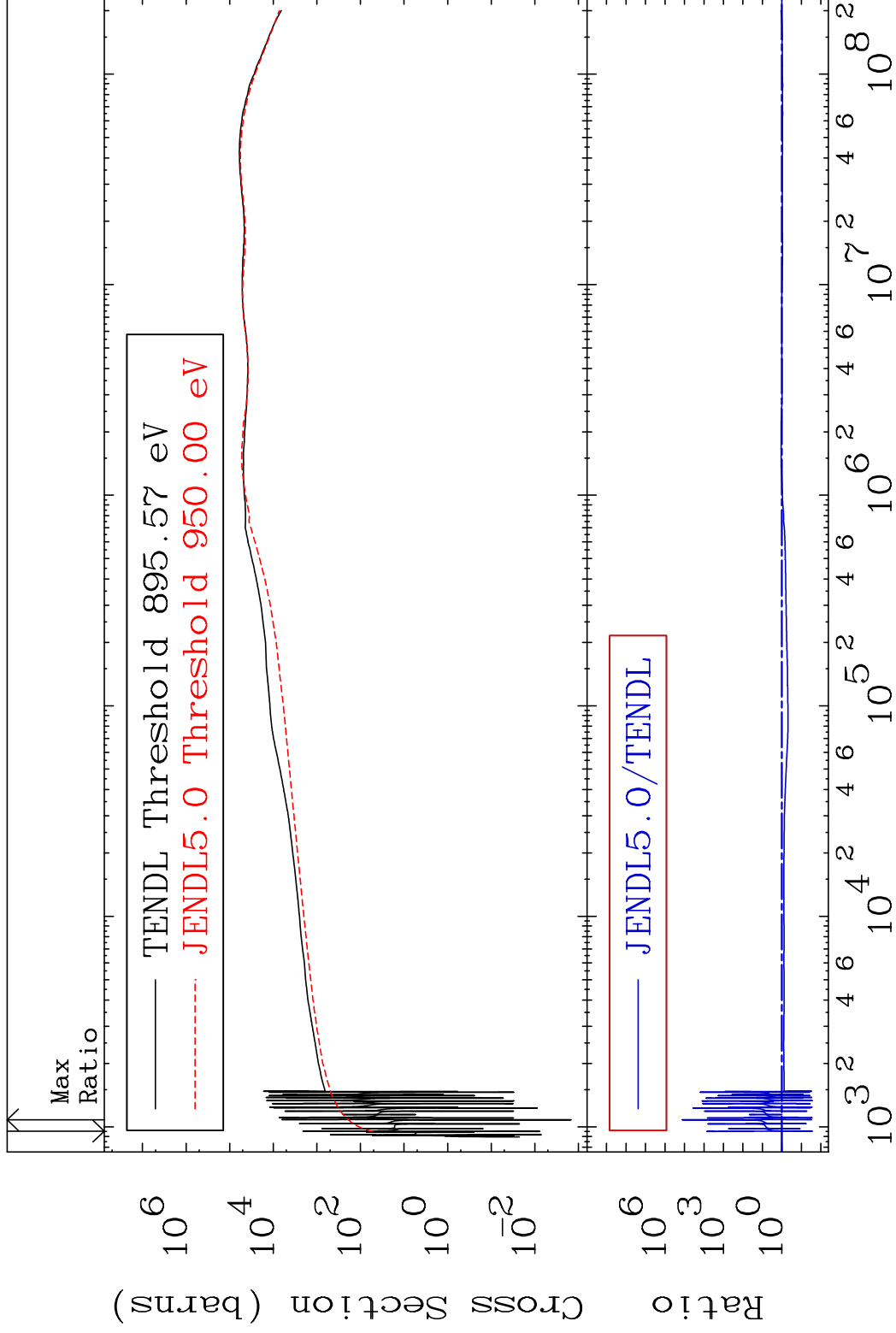


MAT 6231

Dpa elastic (mt2)

62-Sm-146

Cross Section -97.33 To 9999. %

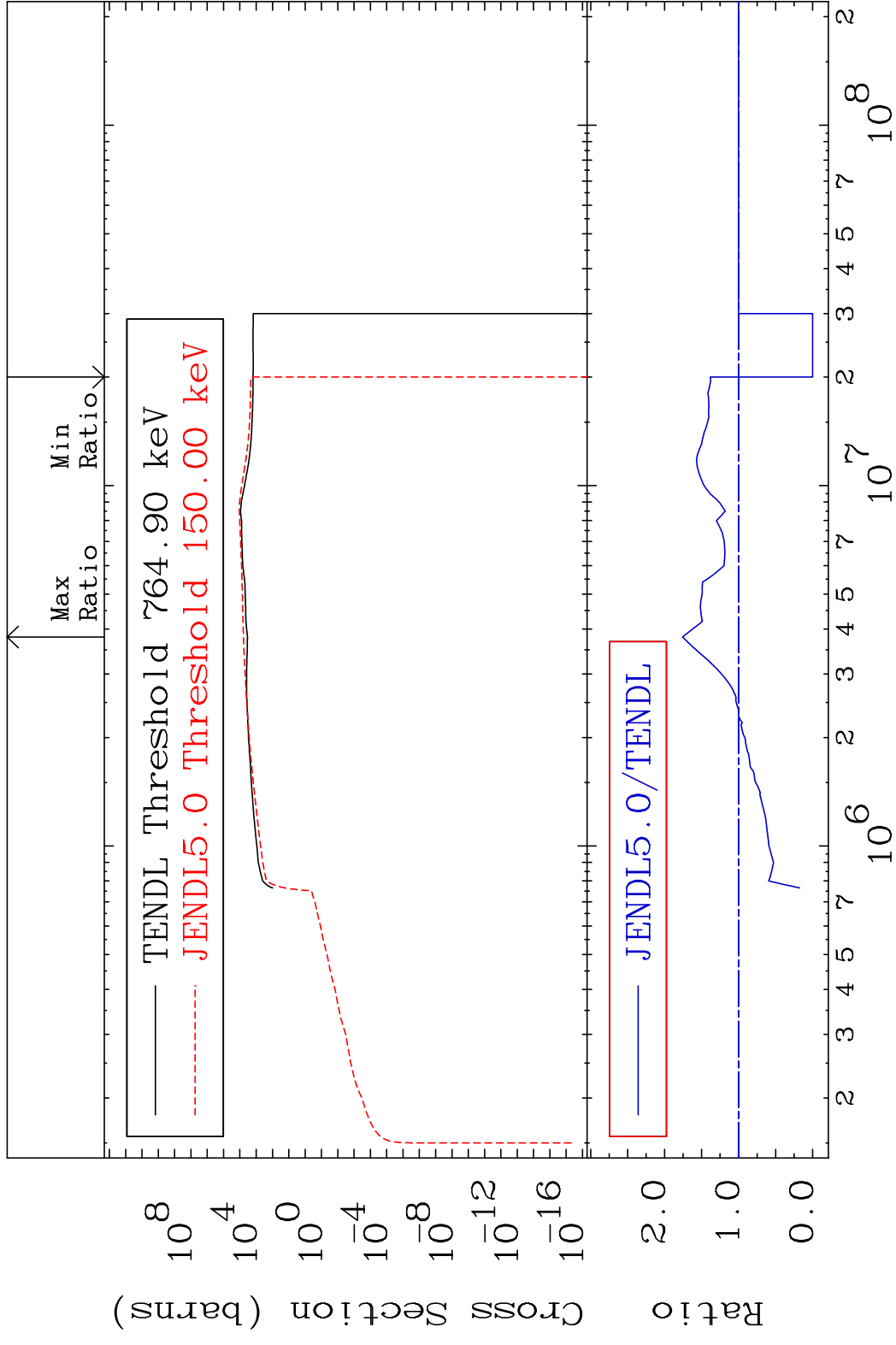


49

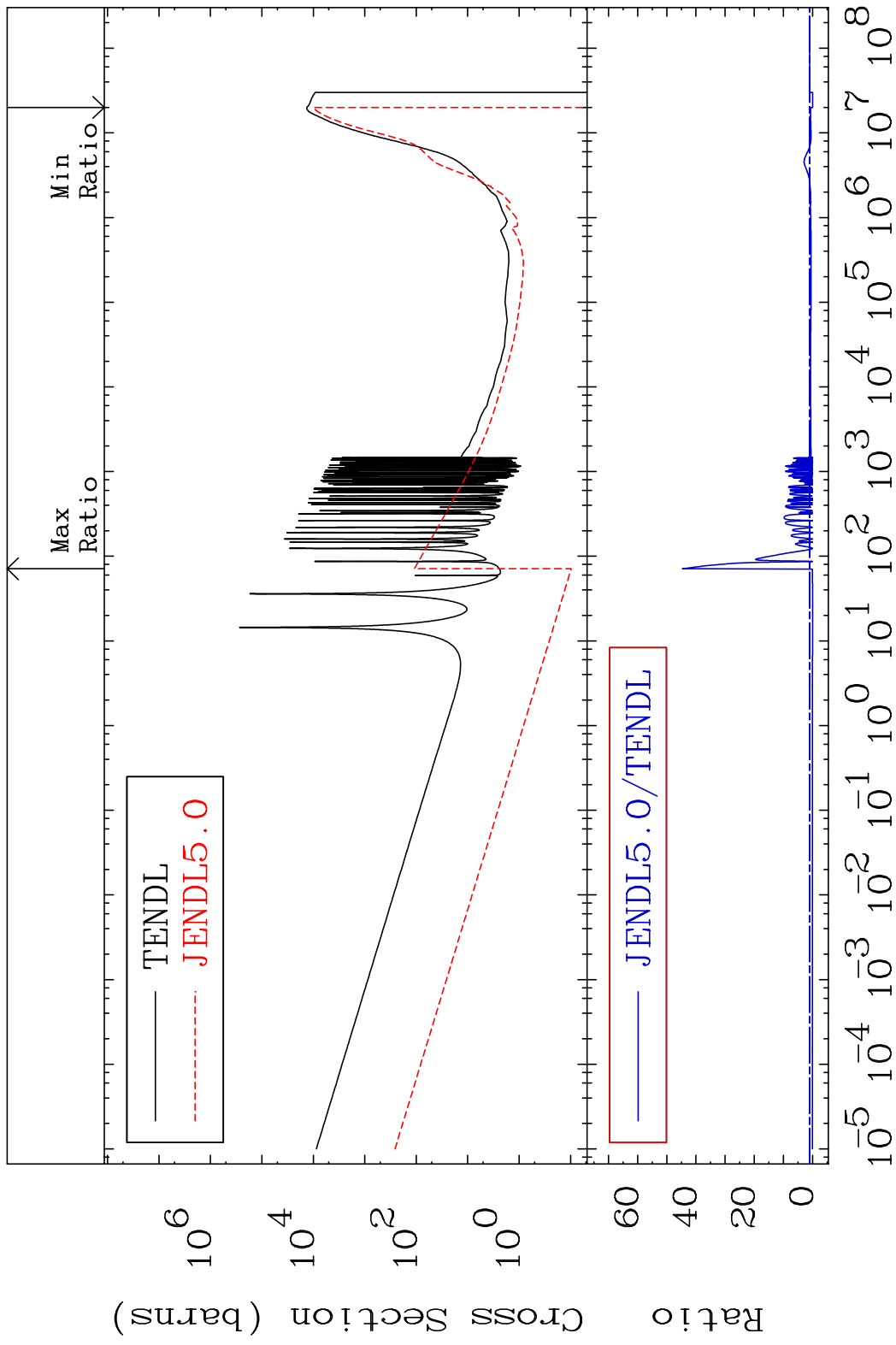
Incident Energy (eV)

62-Sm-146

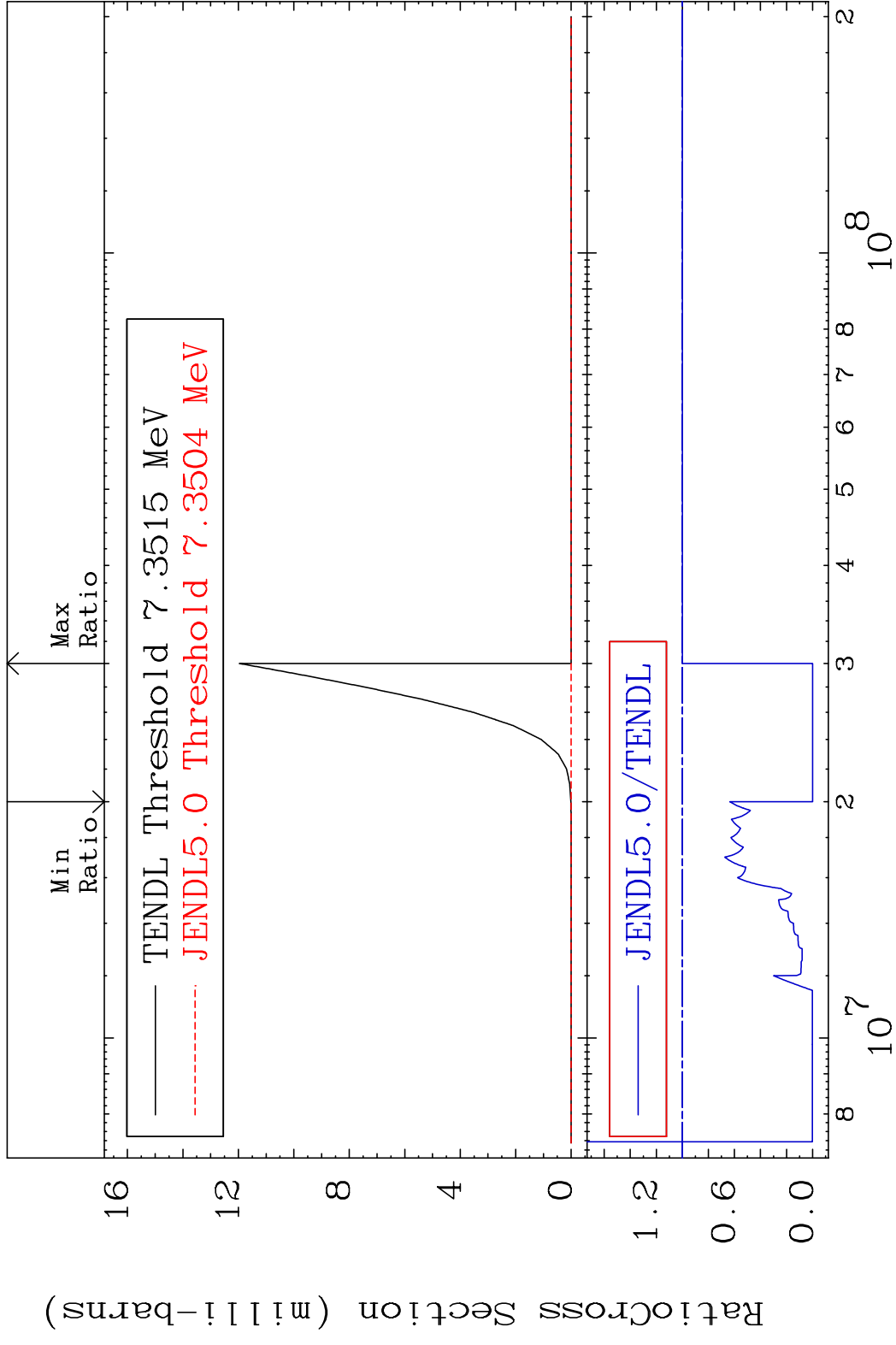
MAT 6231 Dpa inelastic (mt51-91) 62-Sm-146
 Cross Section -100.0 To 76.04 %

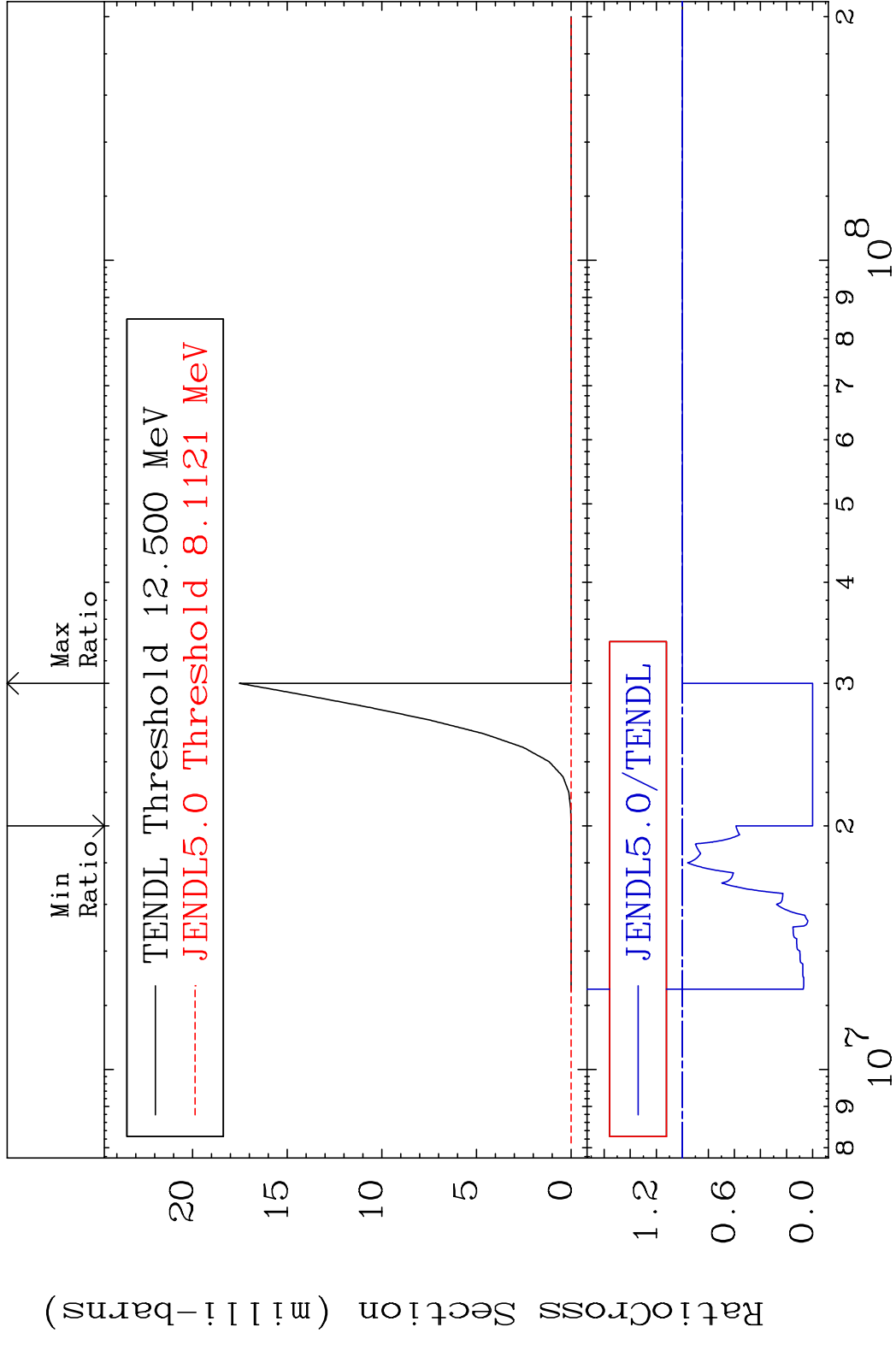


MAT 6231 Dpa disappearance (mt102 -120) 62-Sm-146
 Cross Section -100.0 To 4366. %

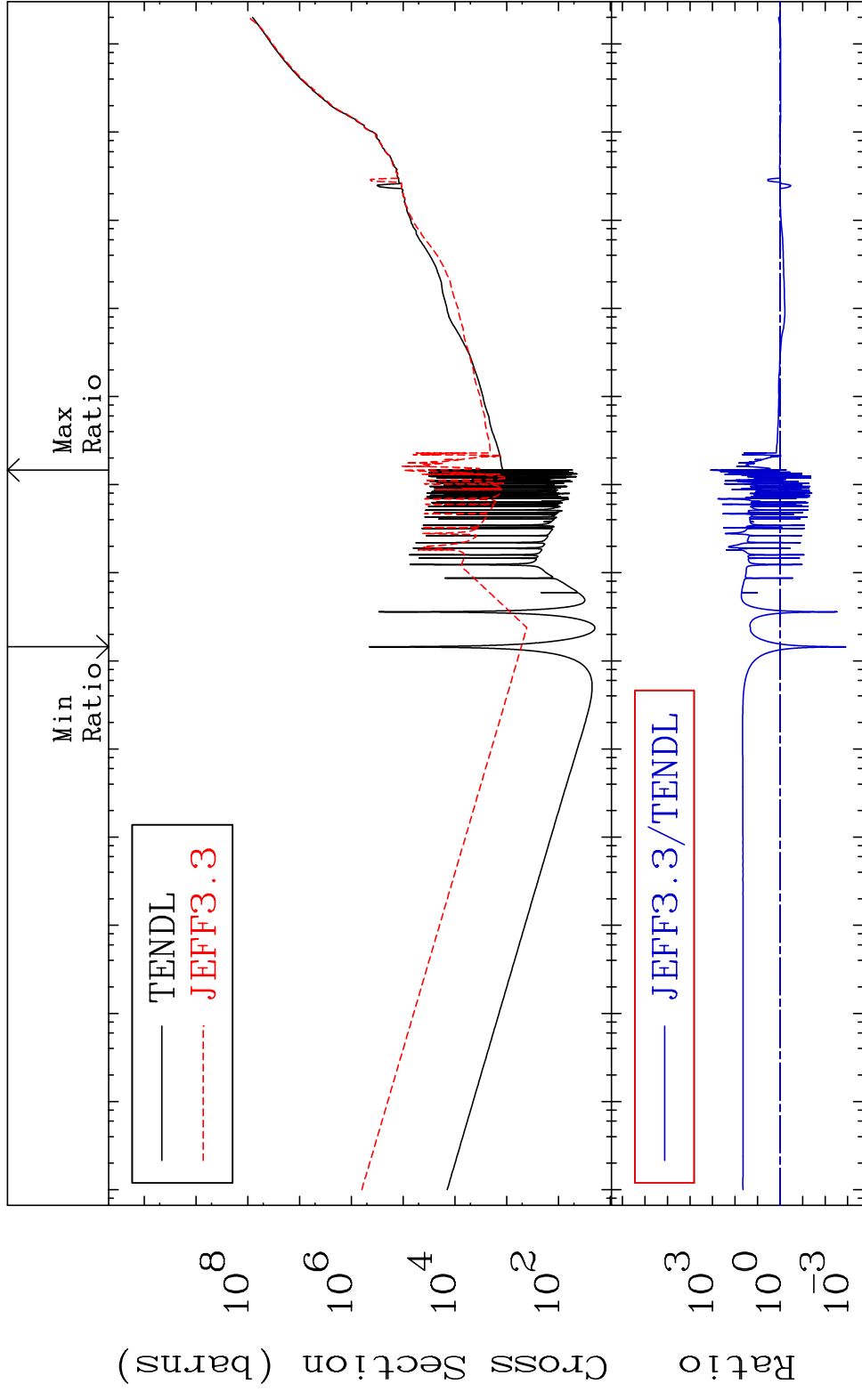


MAT 6231 (n,2n) α :60-Nd-141g 62-Sm-146
 Radionuclide Production Cross Section Ratio 0.000 %





MAT 6231 Kerma total (eV-barns) 62-Sm-146
 Cross Section -99.89 To 9999. %

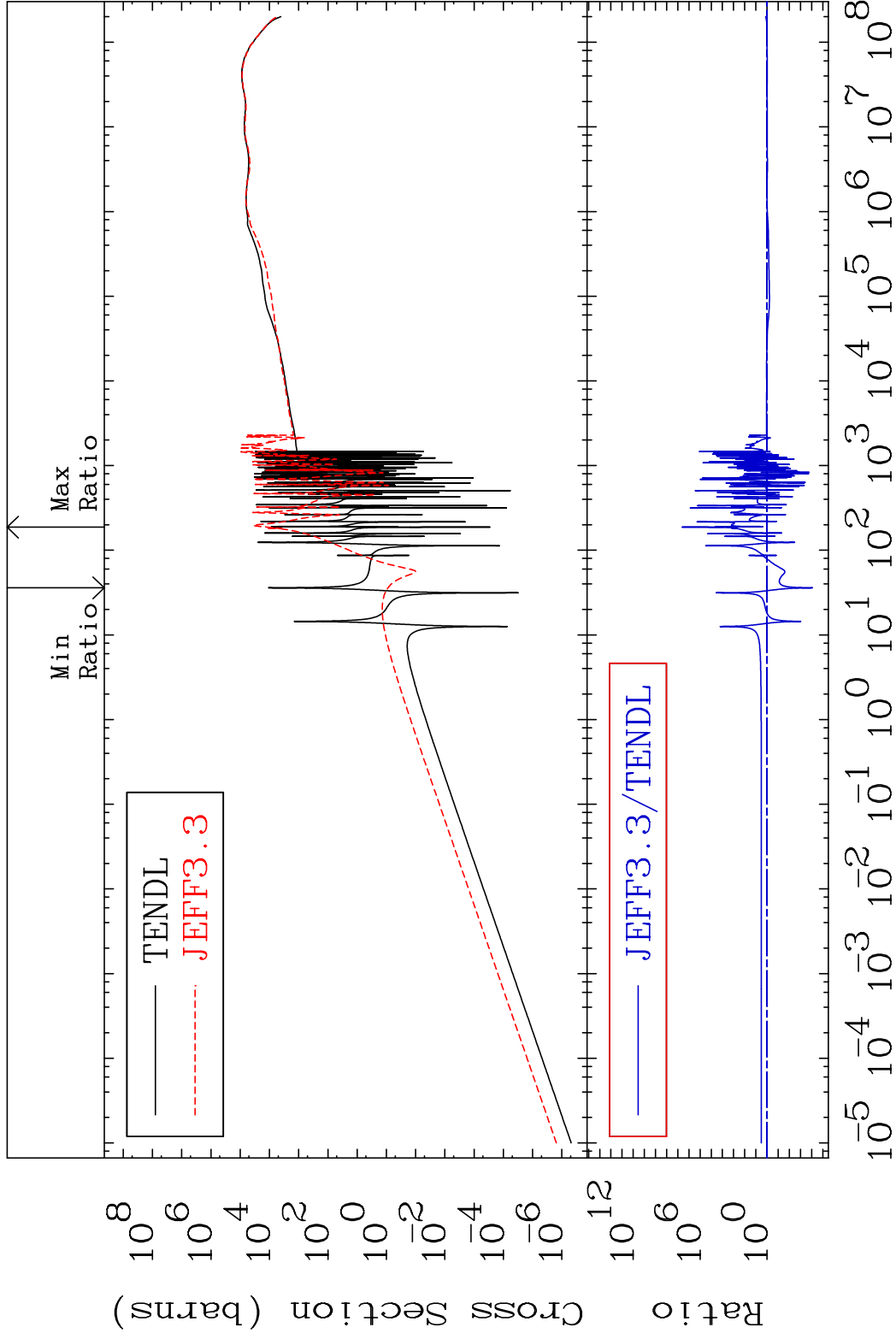


54 Incident Energy (eV) 62-Sm-146

MAT 6231

Kerma elastic
Cross Section

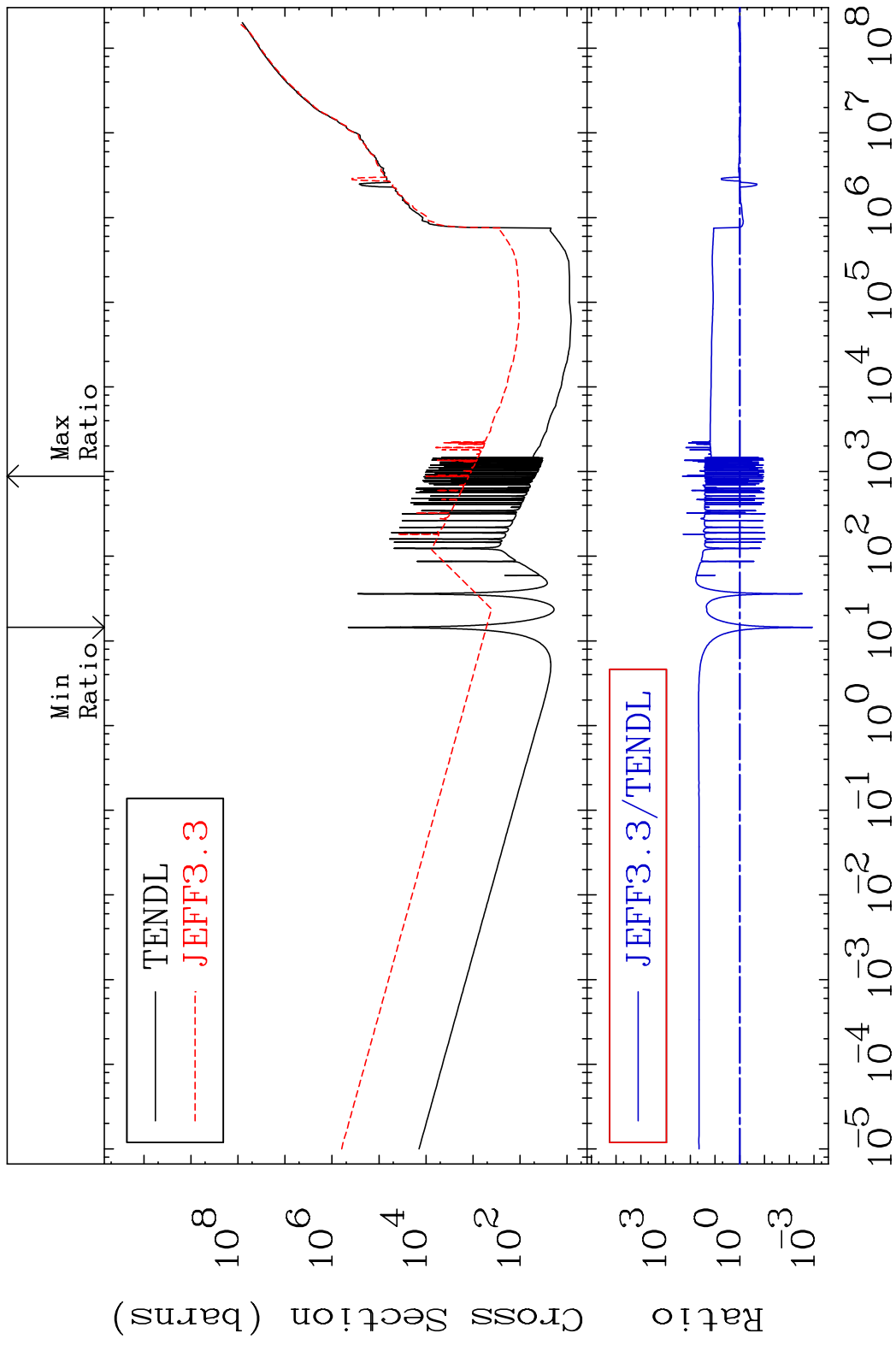
62-Sm-146
-99.99 To 9999. %



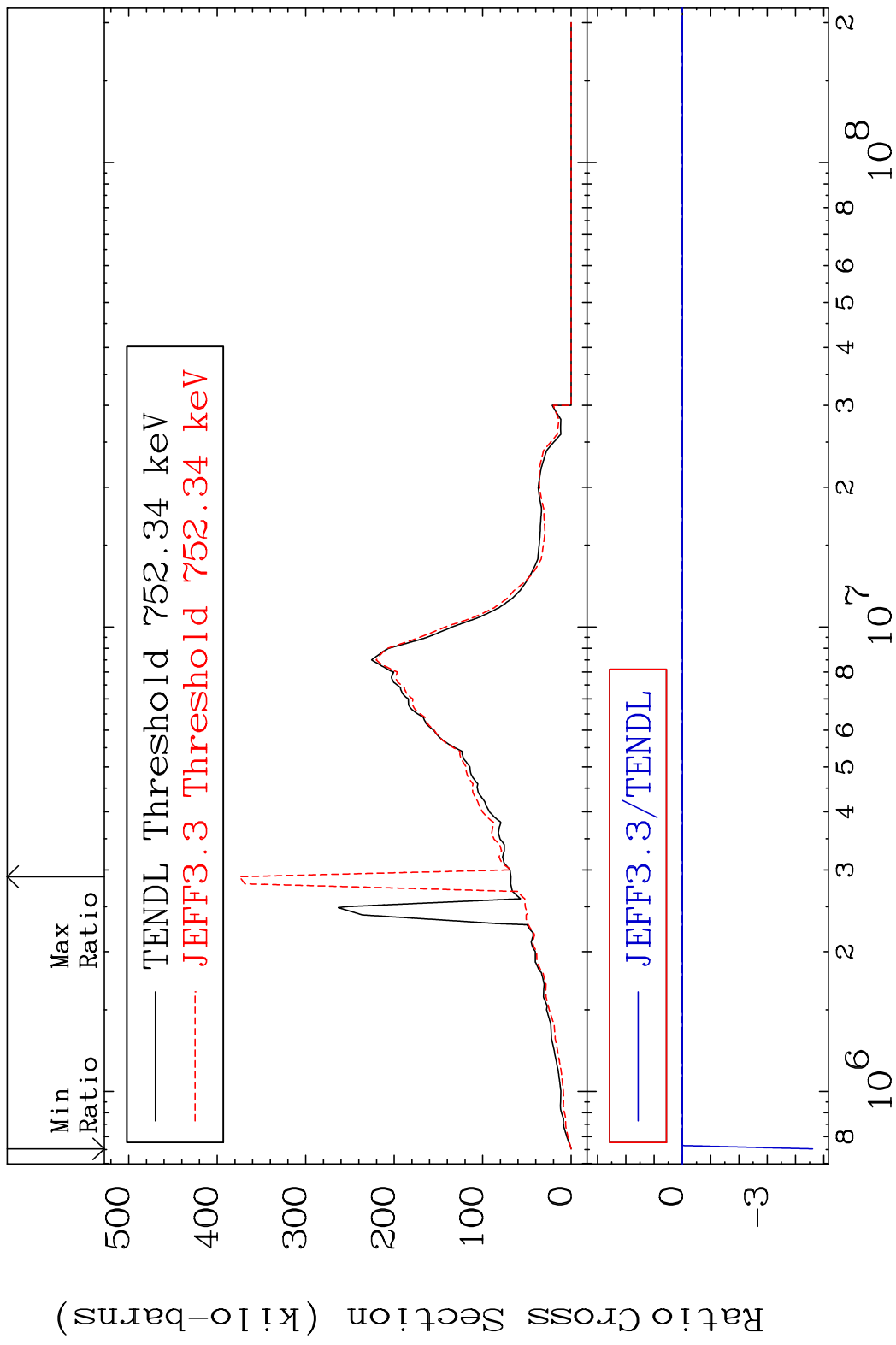
55

62-Sm-146

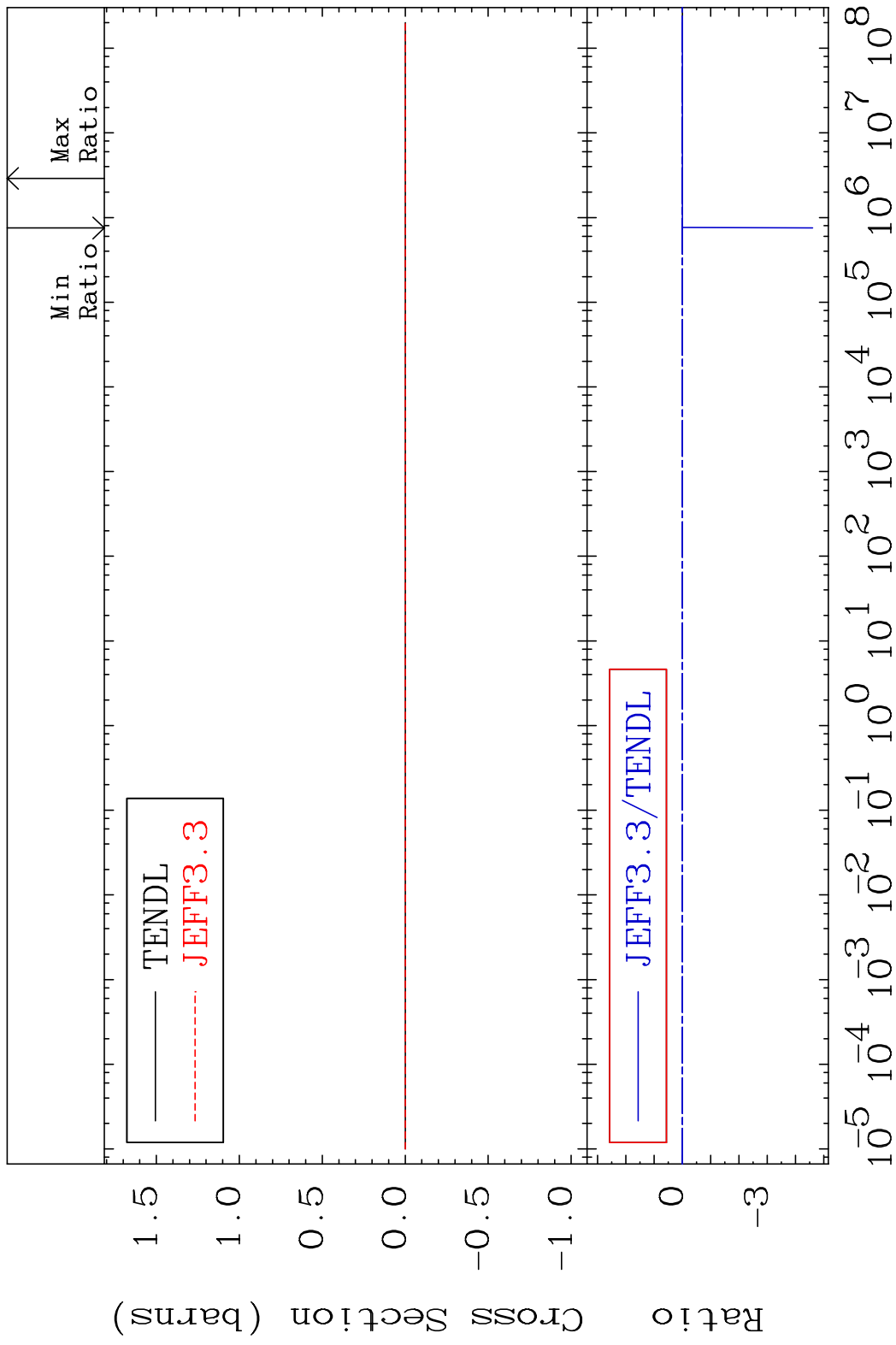
MAT 6231 Kerma non-elastic (all but mt2) 62-Sm-146
 Cross Section -99.89 To 9999. %



MAT 6231 Kerma inelastic (mt51-91) 62-Sm-146
 Cross Section -9999. To 450.4 %



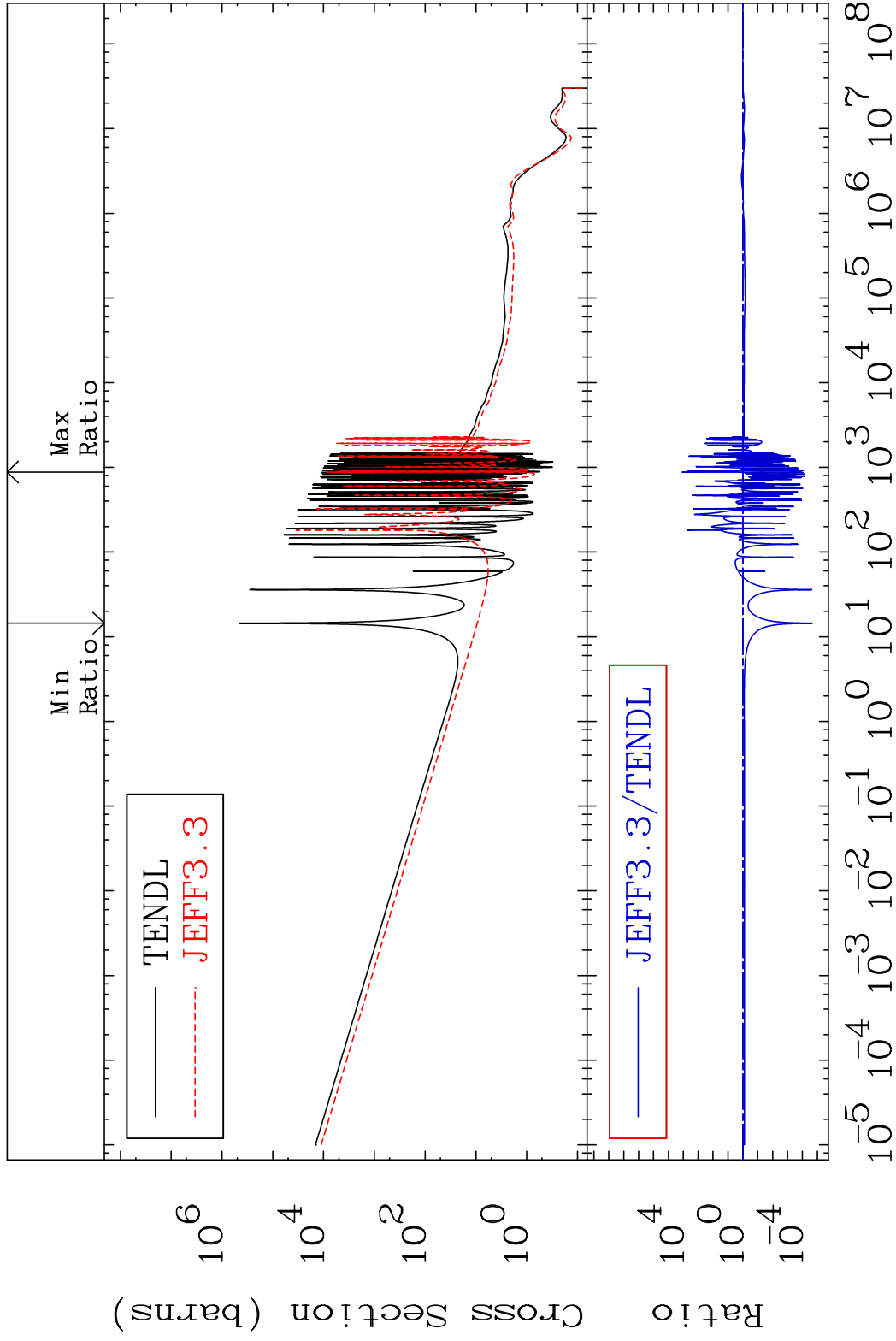
MAT 6231 Kerma fission (mt18 or mt19-20-21-38) ^{62}Sm -146
 Cross Section -9999. To 450.4 %



MAT 6231

Kerma capture (mt102) 62-Sm-146

Cross Section -100.0 To 9999. %

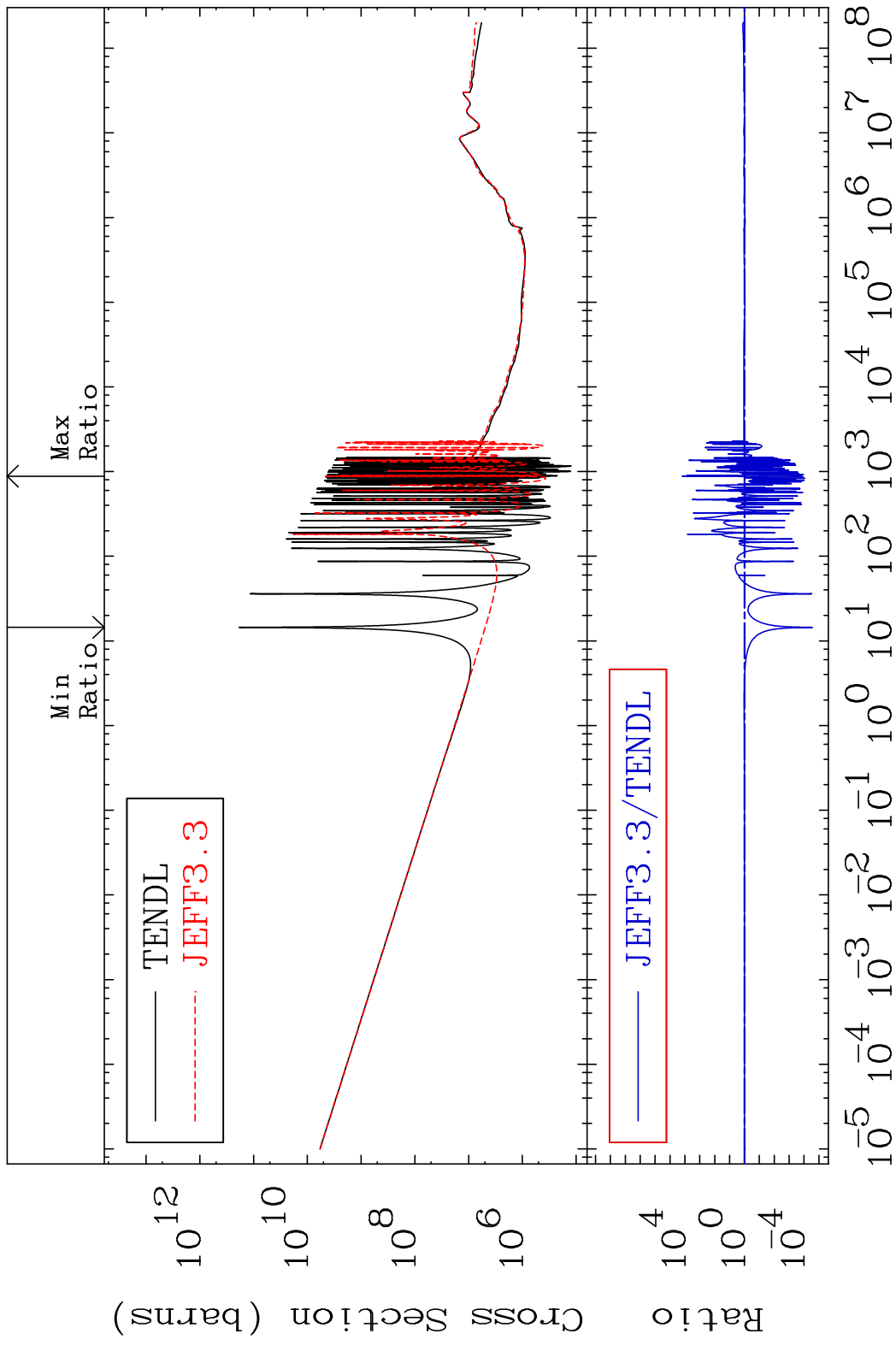


59

Incident Energy (eV)

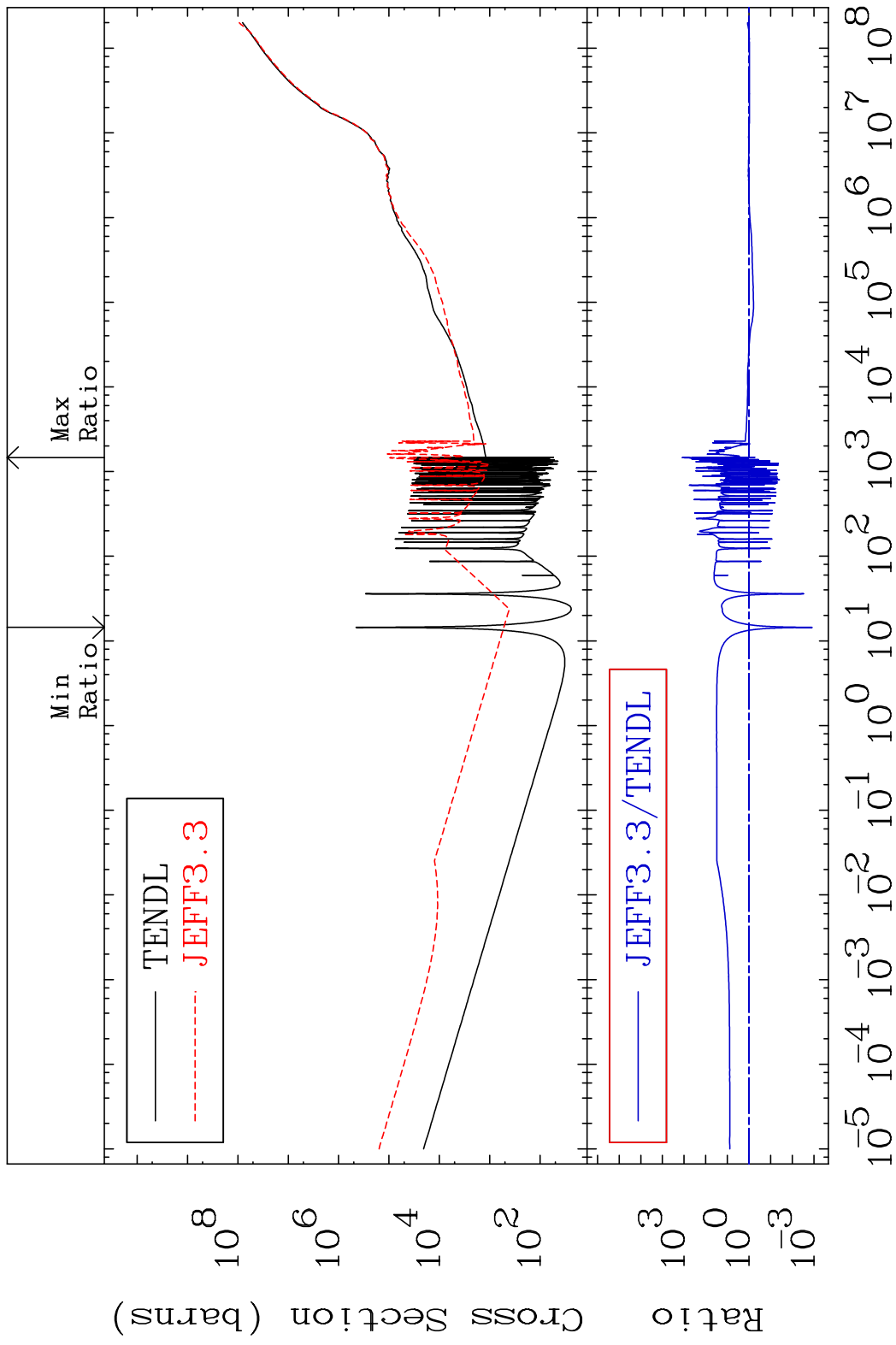
62-Sm-146

MAT 6231 Total photon (eV-barns) 62-Sm-146
 Cross Section -100.0 To 9999. %

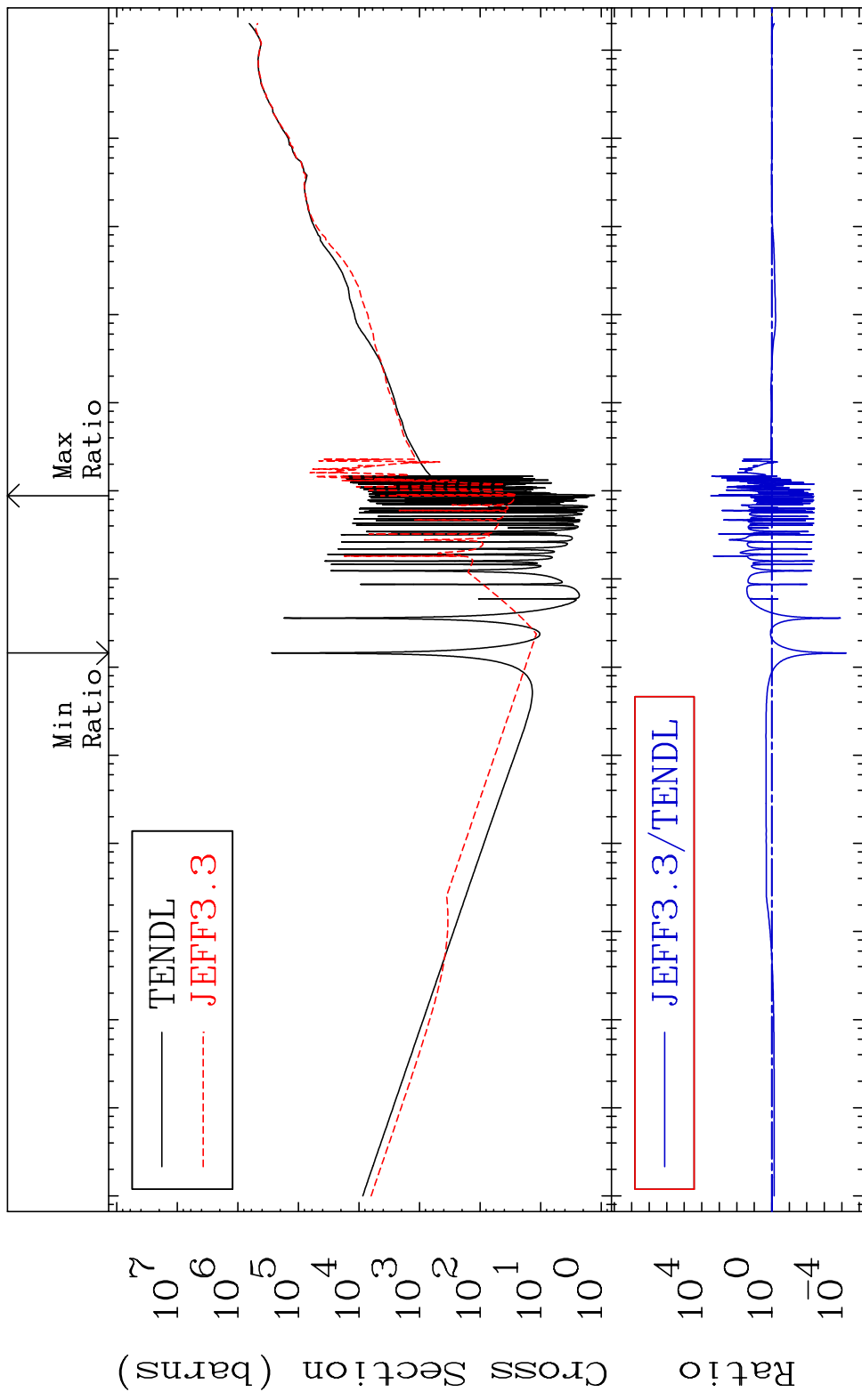


60 Incident Energy (eV) 62-Sm-146

MAT 6231 Total kinematic kerma (high limit) 62-Sm-146
 Cross Section -99.89 To 9999. %



MAT 6231 Dpa total (eV-barns) 62-Sm-146
 Cross Section -99.99 To 9999. %



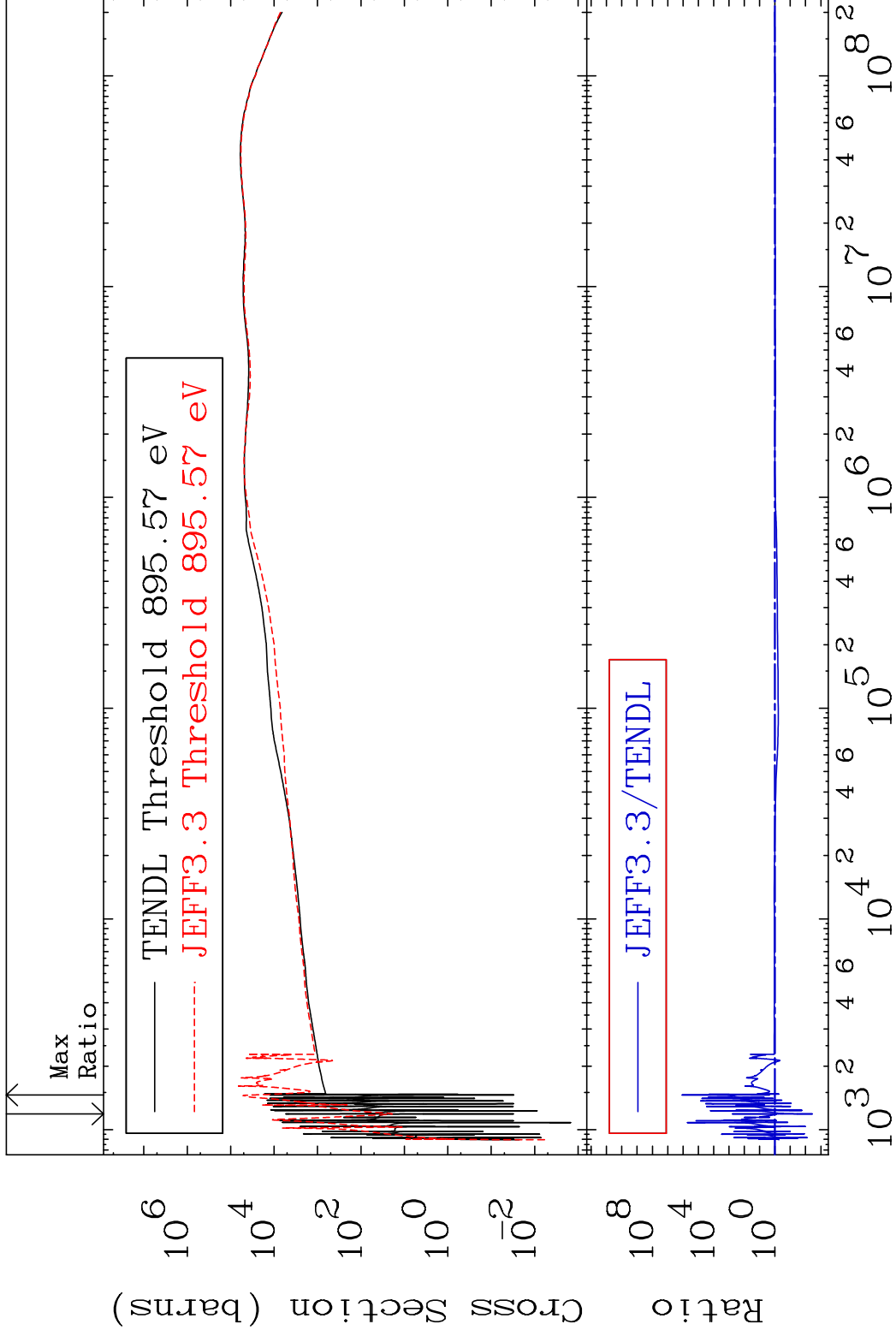
62 Incident Energy (eV) 62-Sm-146

MAT 6231

Dpa elastic (mt2)

62-Sm-146

Cross Section -99.65 To 9999. %

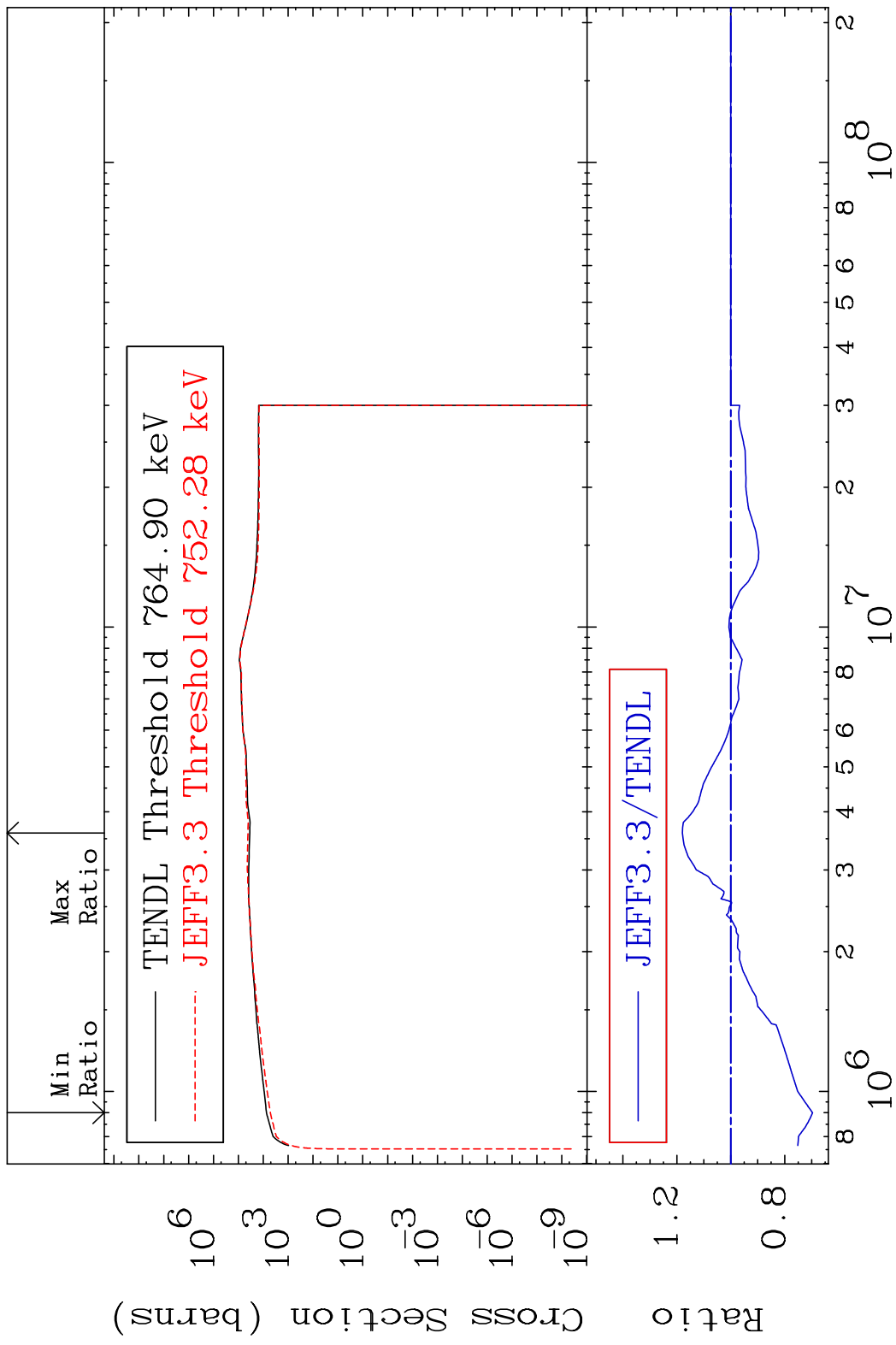


63

Incident Energy (eV)

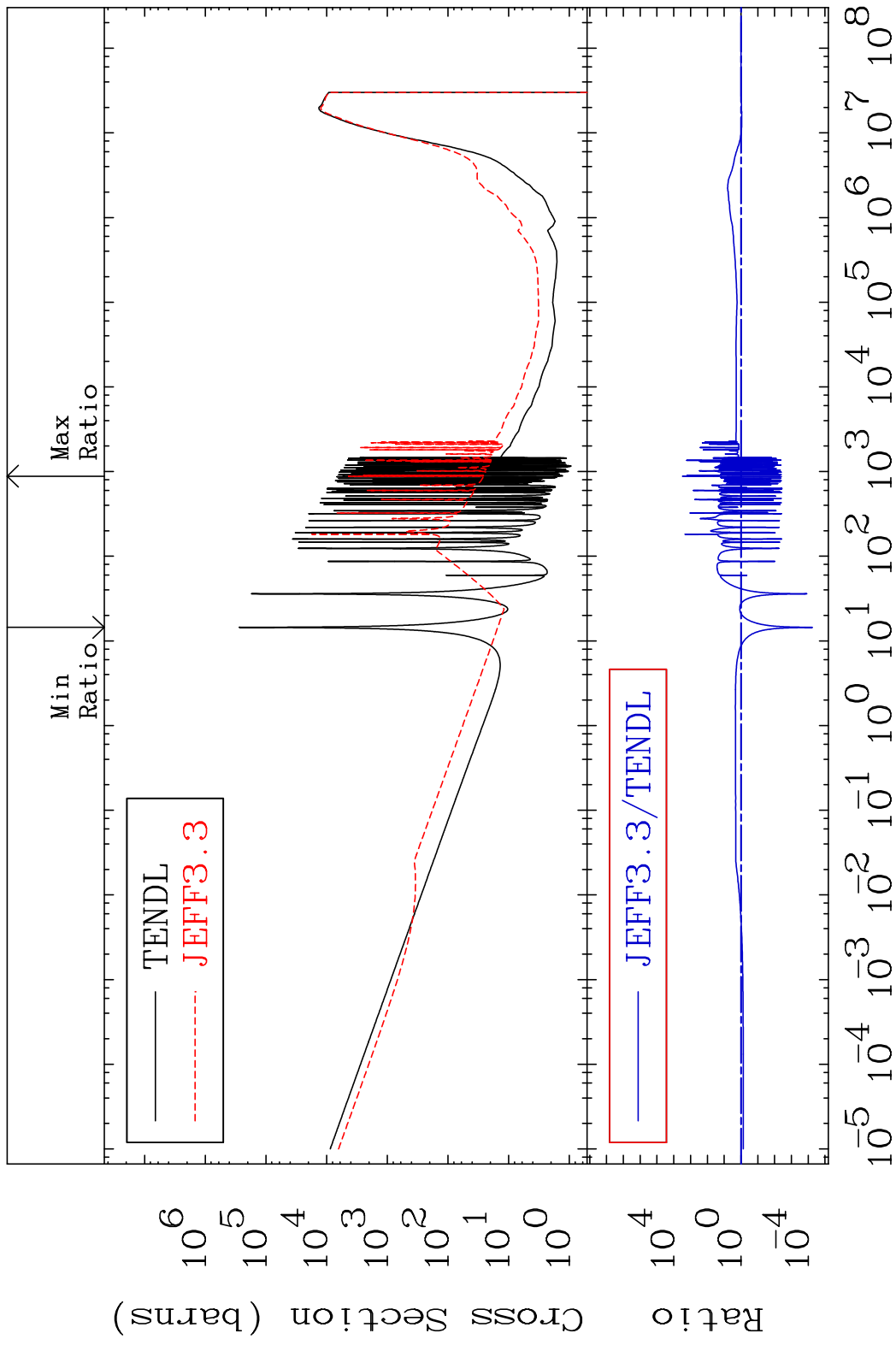
62-Sm-146

MAT 6231 Dpa inelastic (mt51-91) 62-Sm-146
 Cross Section -30.34 To 17.96 %



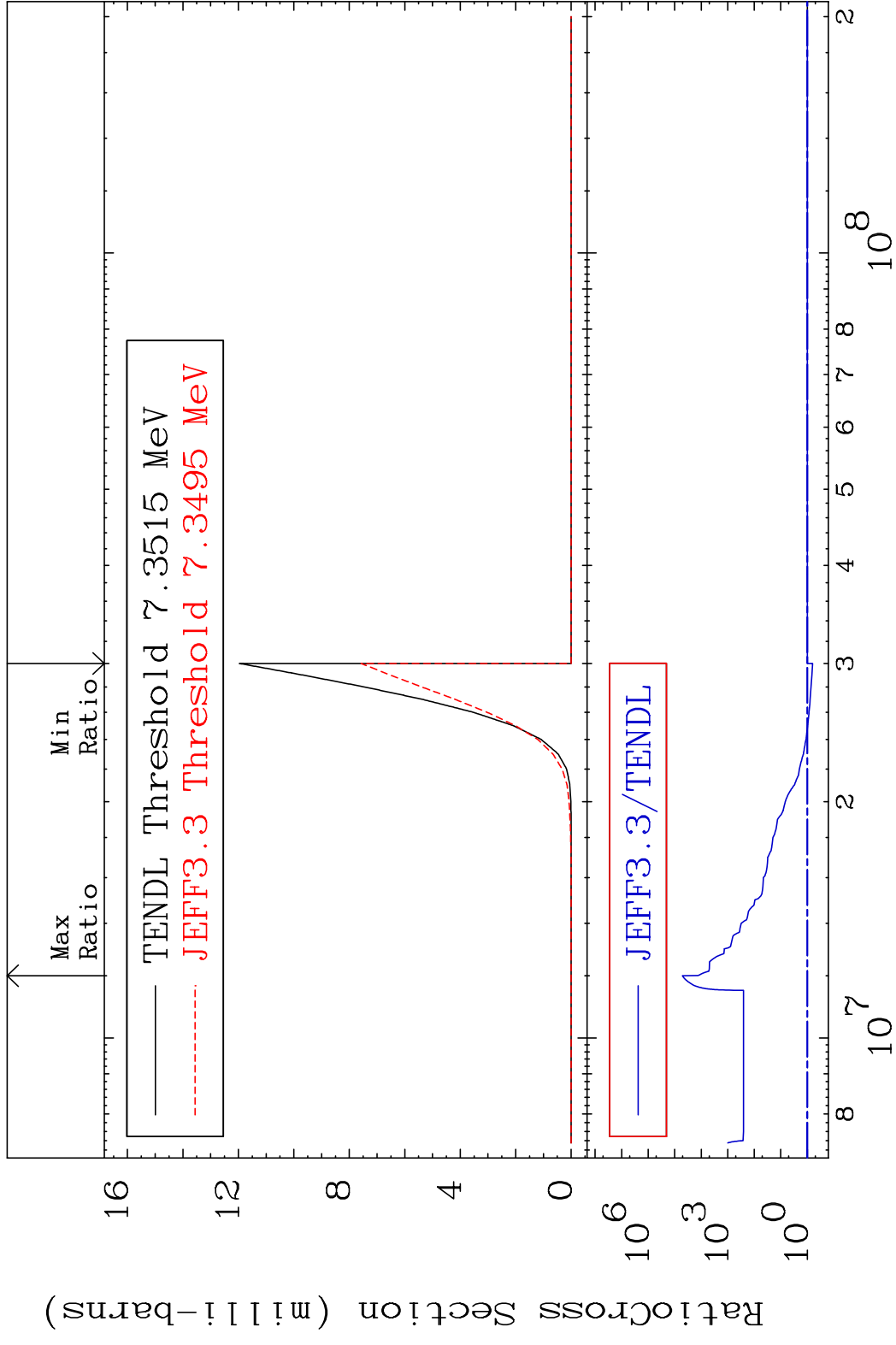
64 Incident Energy (eV) 62-Sm-146

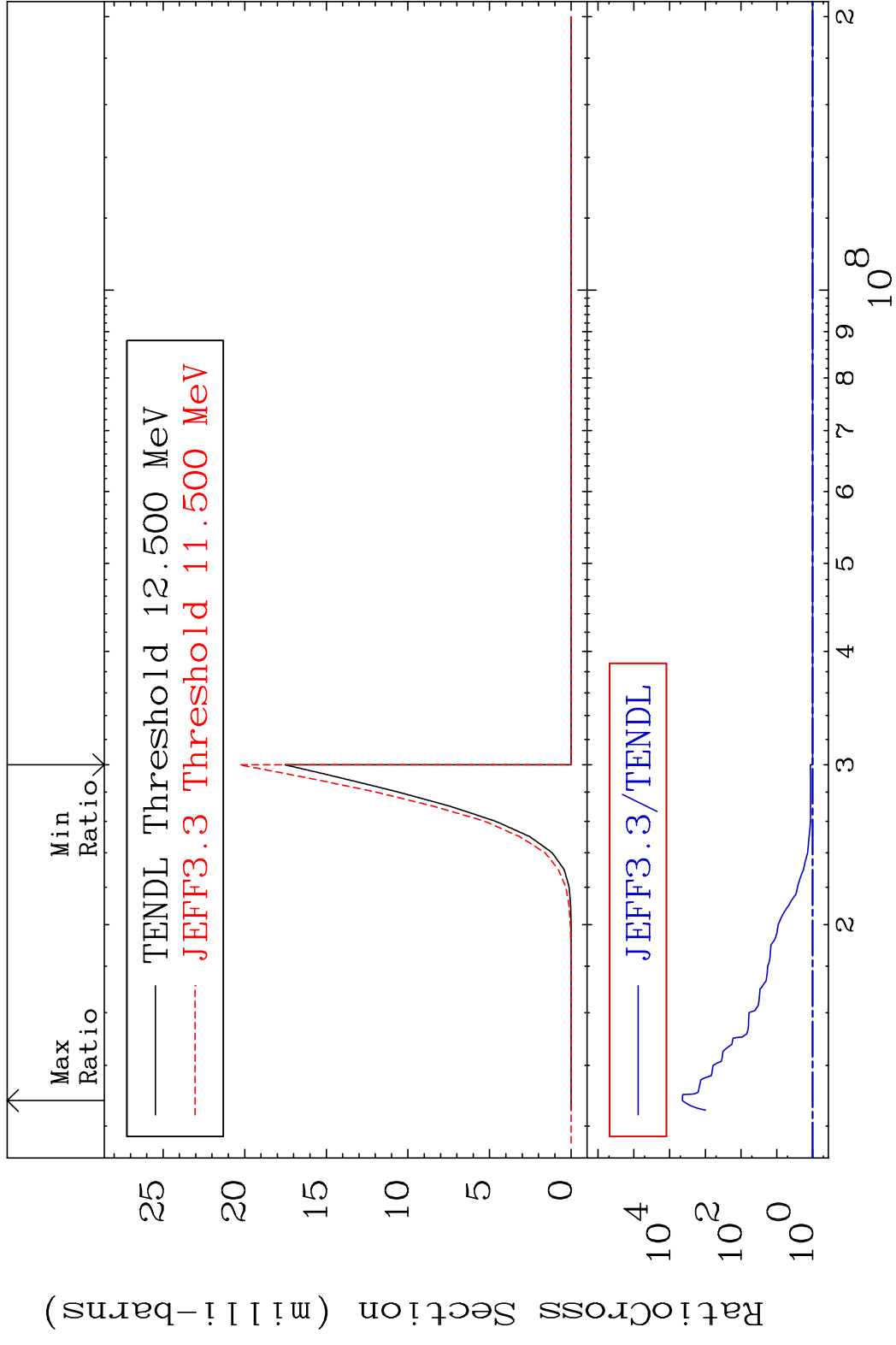
MAT 6231 Dpa disappearance (mt102 -120) 62-Sm-146
 Cross Section -99.99 To 9999. %



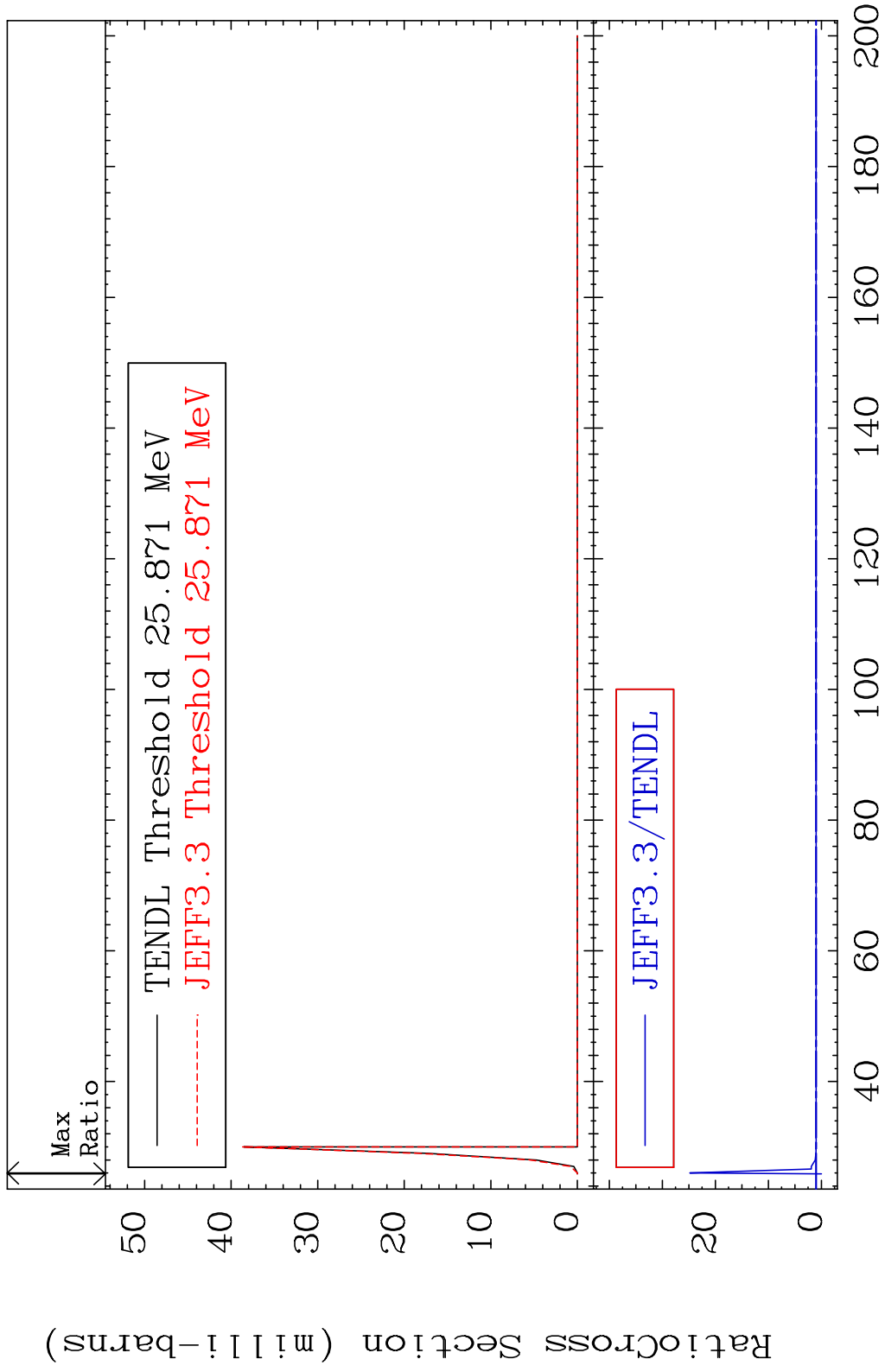
65 Incident Energy (eV) 62-Sm-146

MAT 6231 (n,2n) α :60-Nd-141g 62-Sm-146
 Radionuclide Production Cross Section 36668 dtd 9999. %





MAT 6231 (n,4n):62-Sm-143g 62-Sm-146
 Radionuclide Production Cross Section Ratio 2383. %



68 Incident Energy (MeV) 62-Sm-146

MAT 6231 (n, 4n):62-Sm-143m2 62-Sm-146
 Radionuclide Production Cross Section Ratio 912.8 %

