

Program Complot
(Version 2021-1)

by

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Press Mouse Button to Start

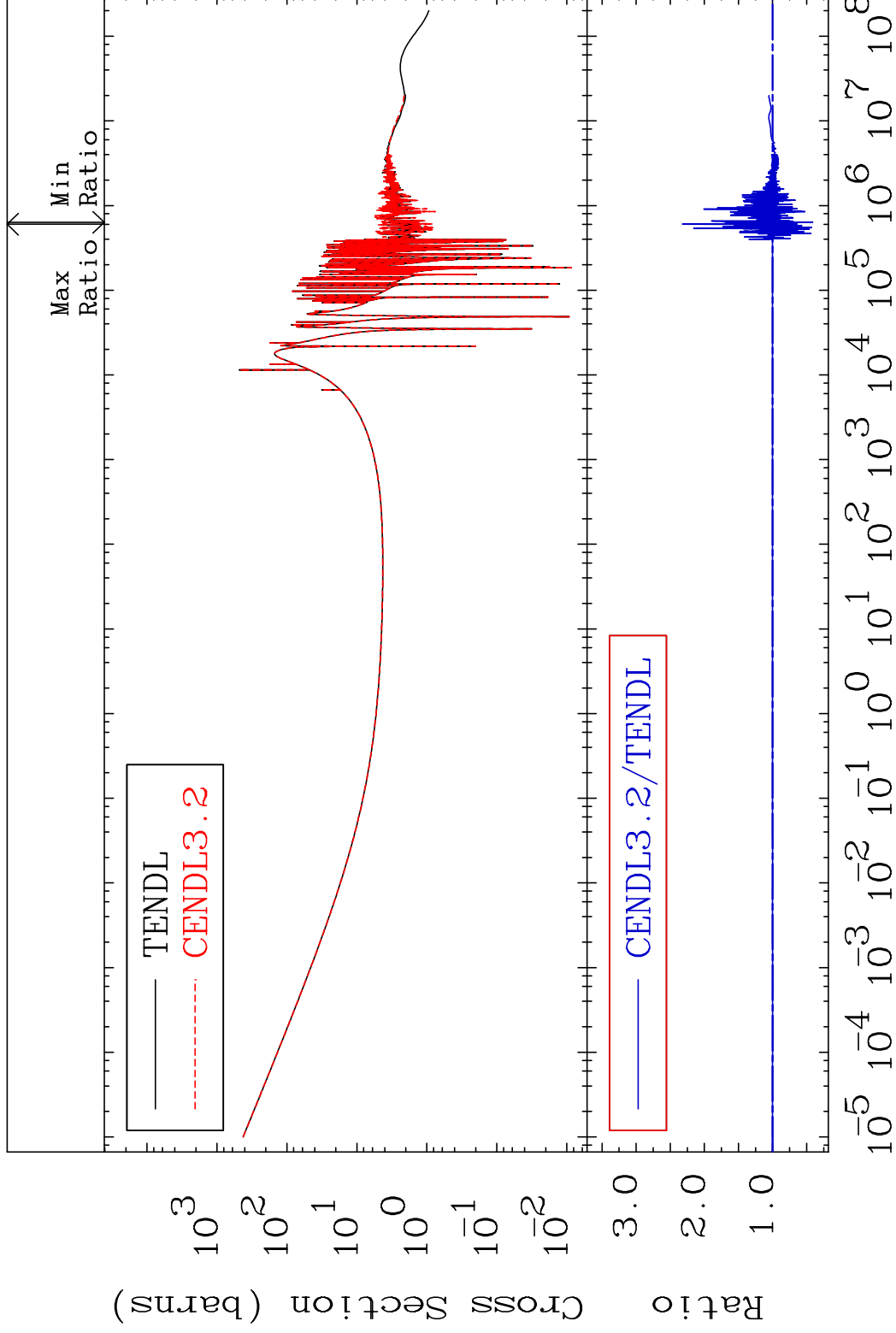
MAT 2231

Total

22-Ti-48

Cross Section

-58.60 To 132.3 %



1

Incident Energy (eV)

22-Ti-48

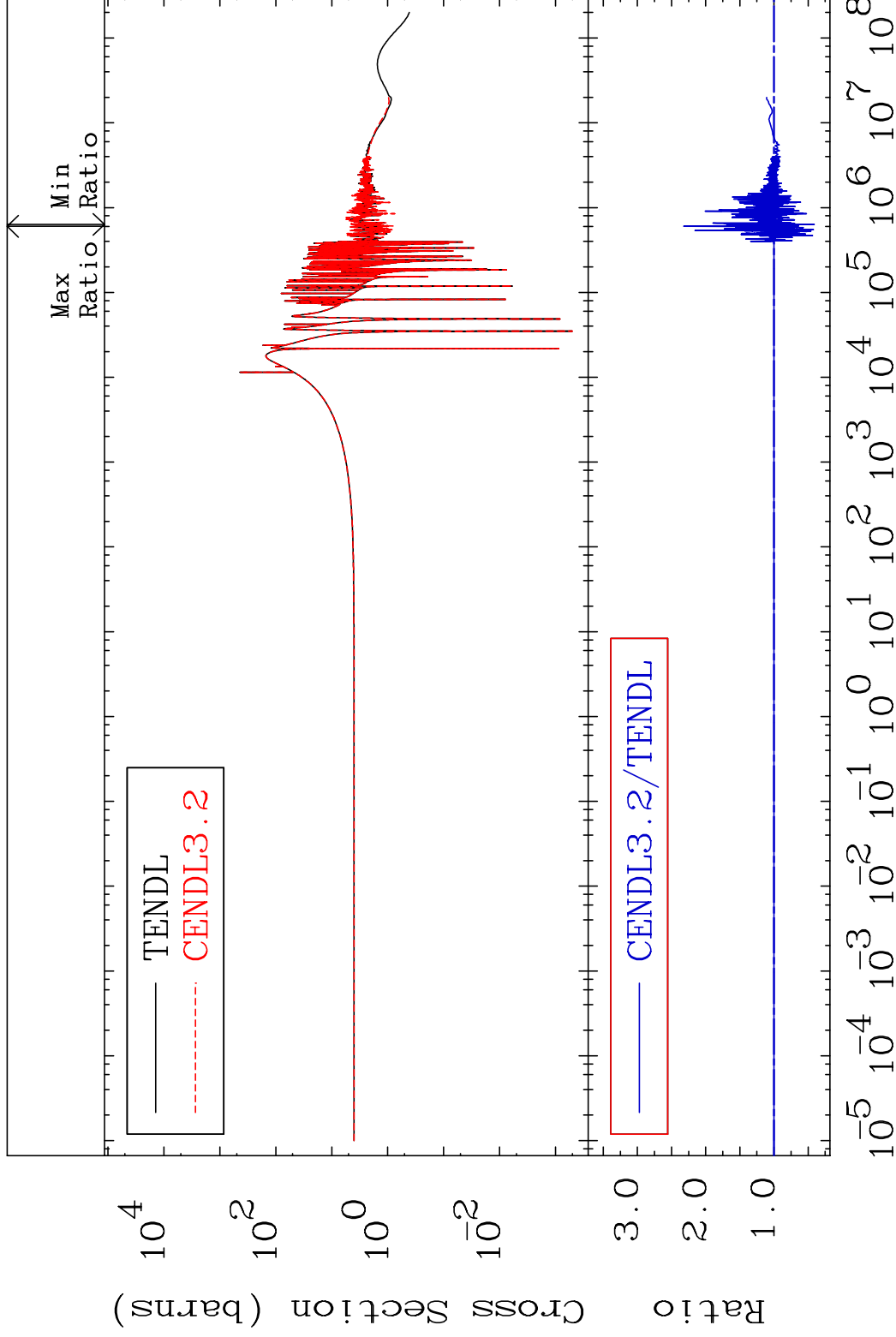
MAT 2231

Elastic

22-Ti-48

Cross Section

-58.77 To 132.3 %

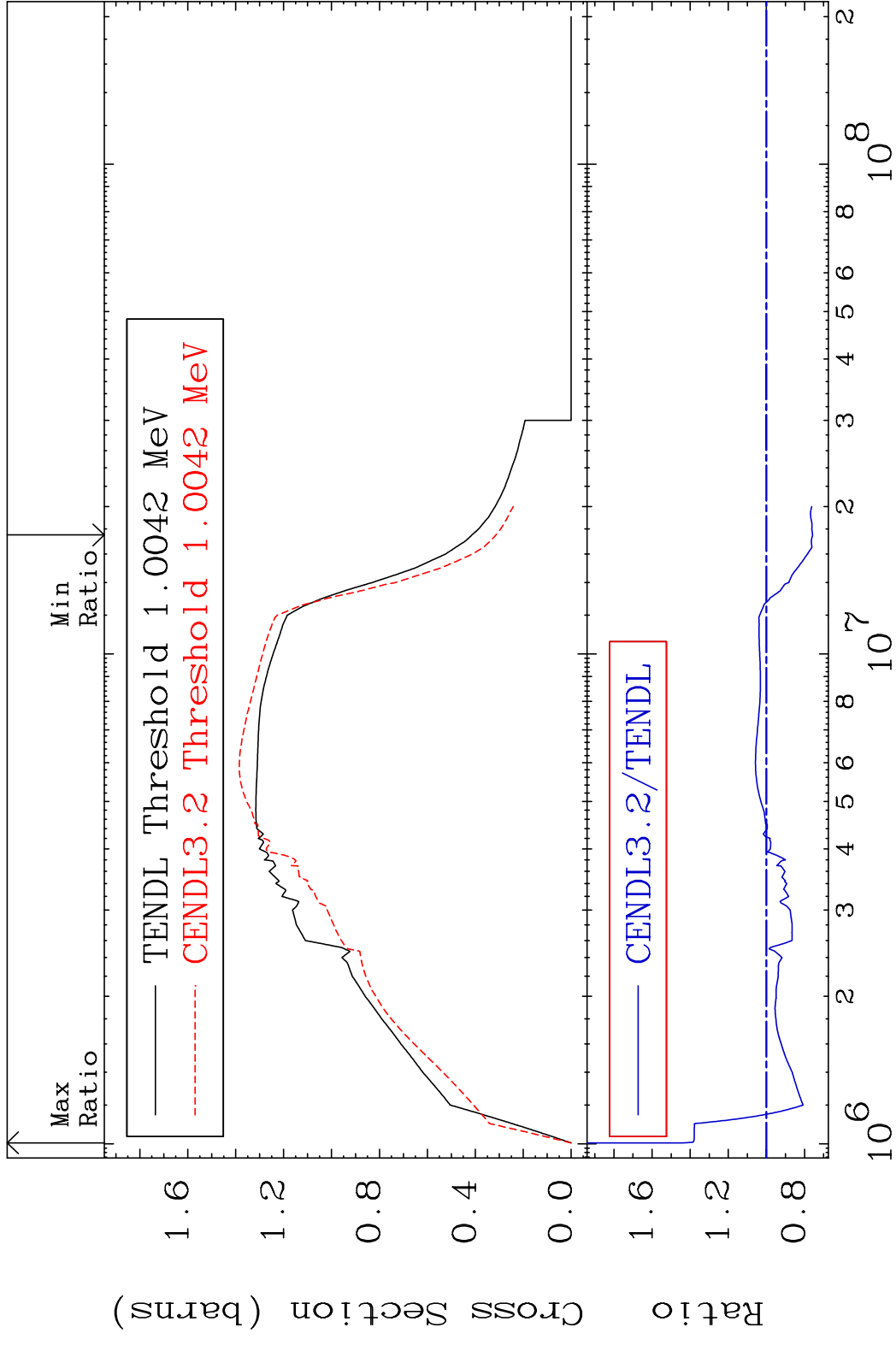


2

Incident Energy (eV)

22-Ti-48

MAT 2231 Inelastic 22-Ti-48
 Cross Section -24.21 To 44.11 %



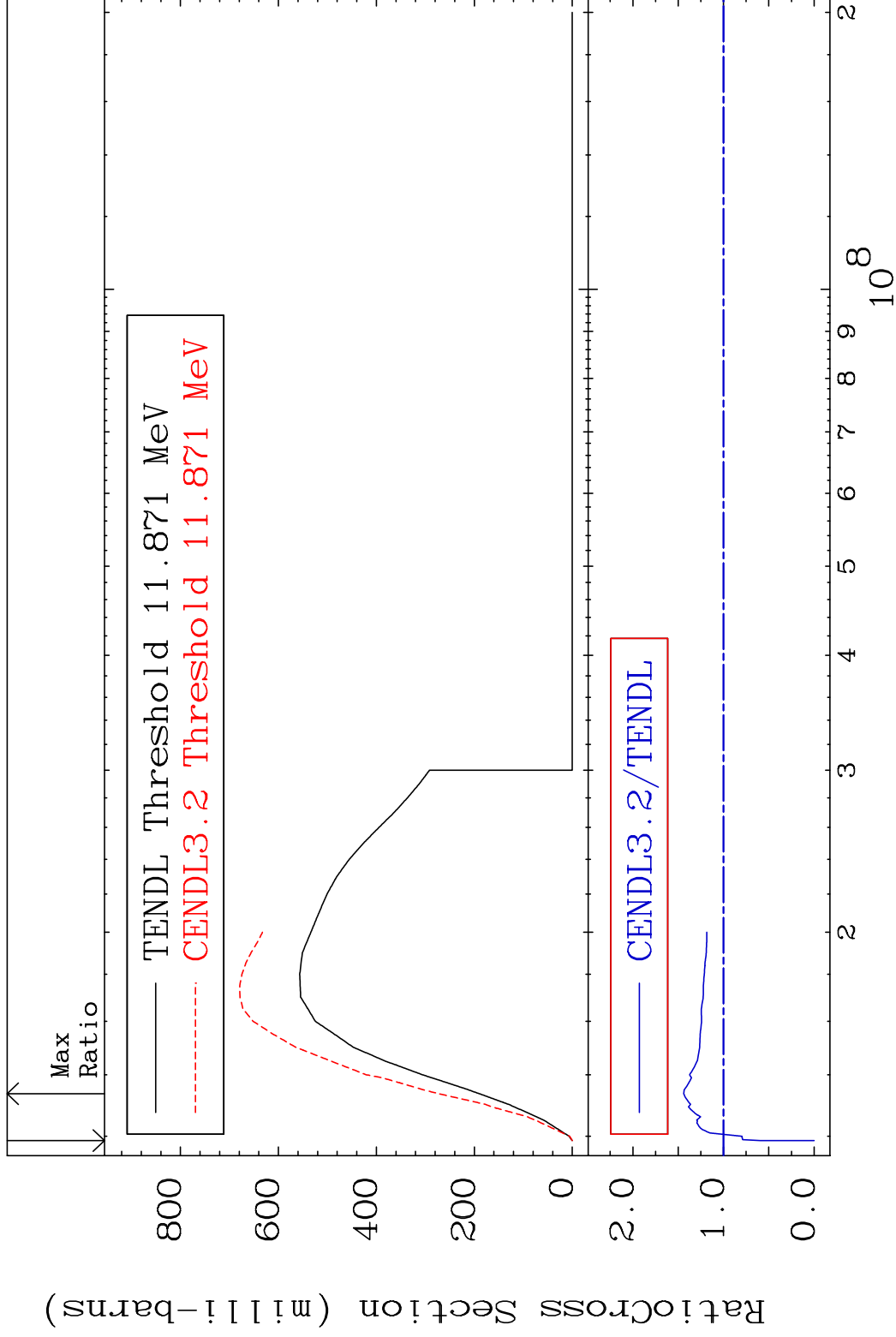
3 Incident Energy (eV) 22-Ti-48

MAT 2231

(n,2n)

²²Ti-48

Cross Section -100.0 To 43.95 %



4

Incident Energy (eV)

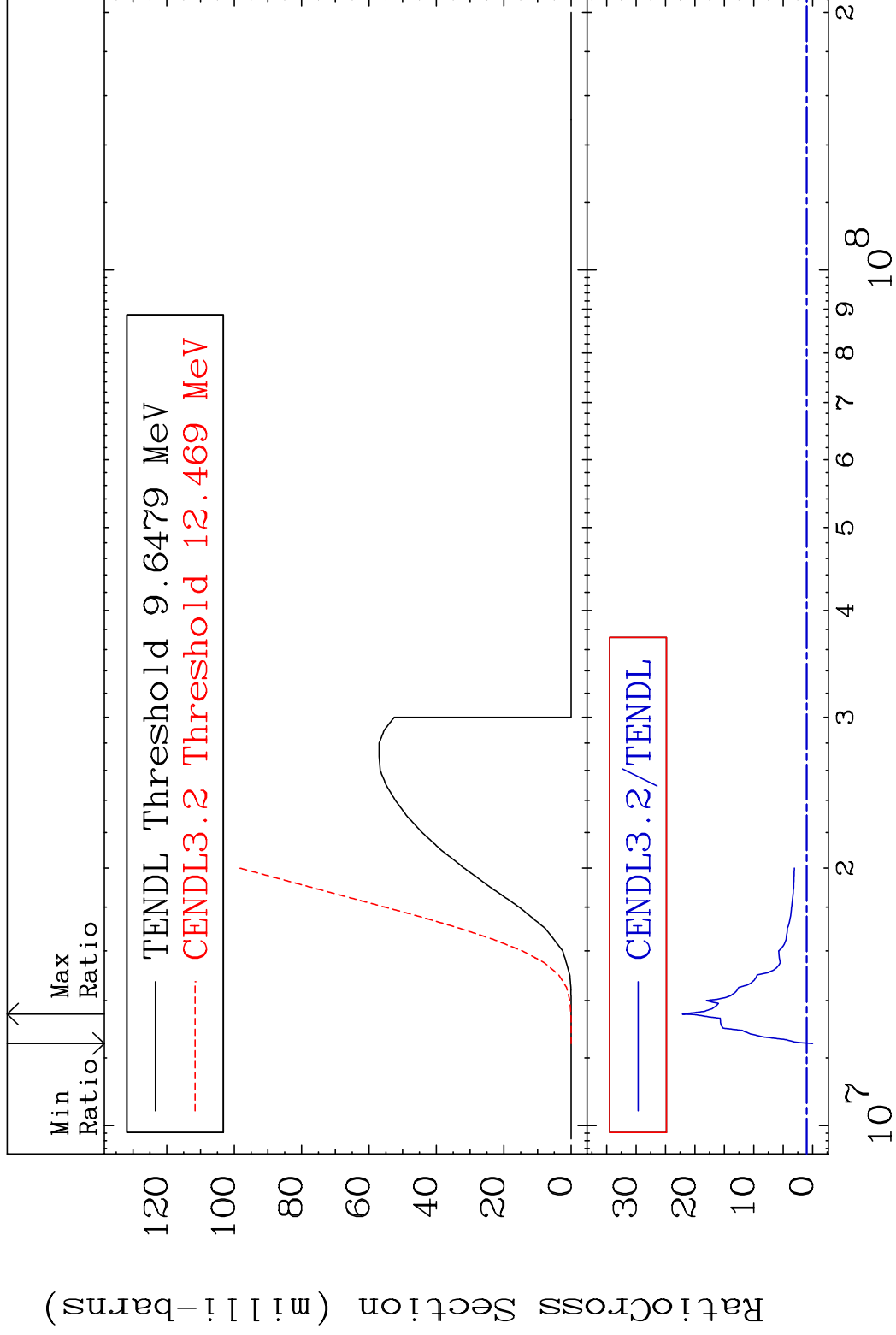
²²Ti-48

MAT 2231

(n, n') α

²²Ti-48

Cross Section -100.0 To 2112. %



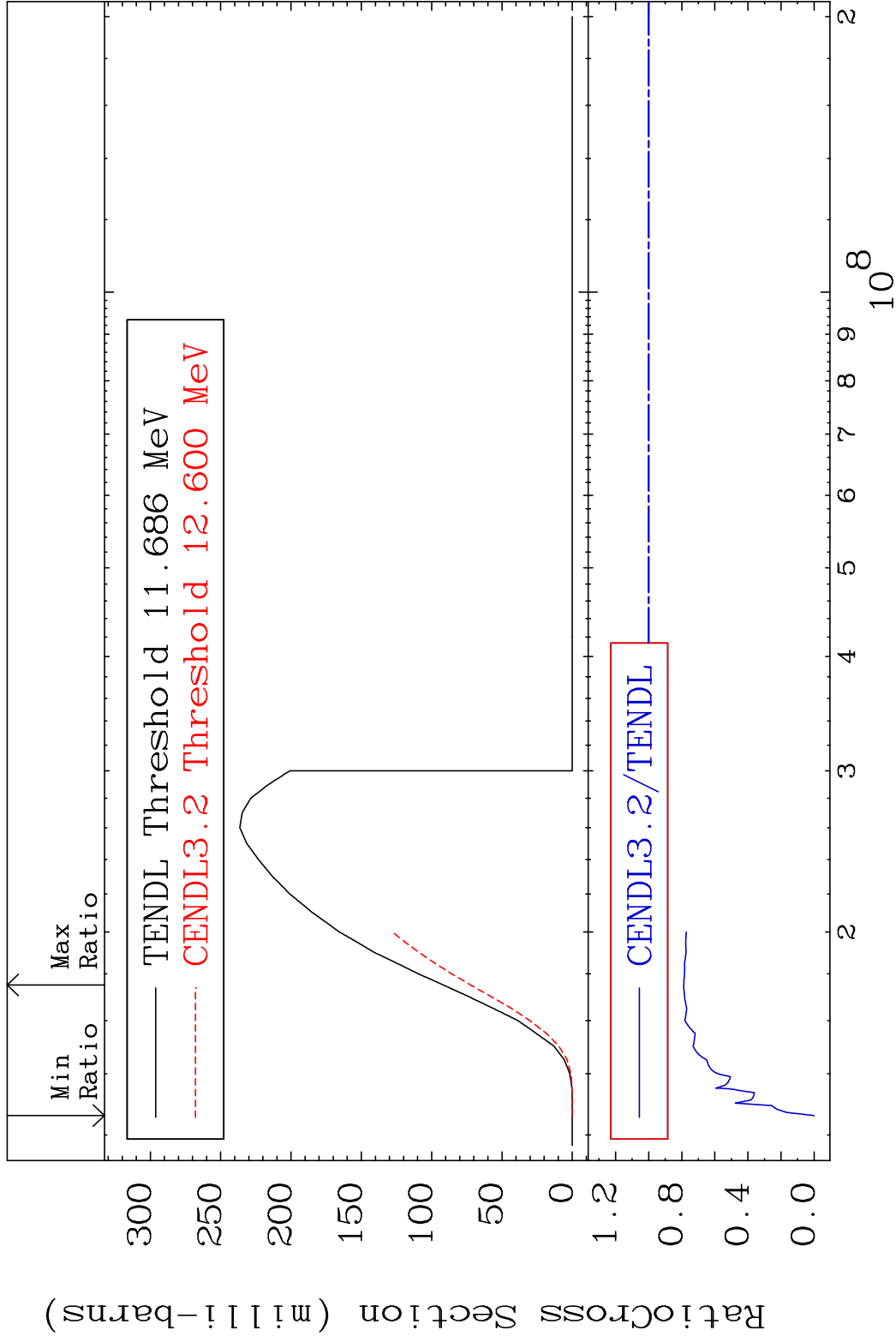
5

Incident Energy (eV)

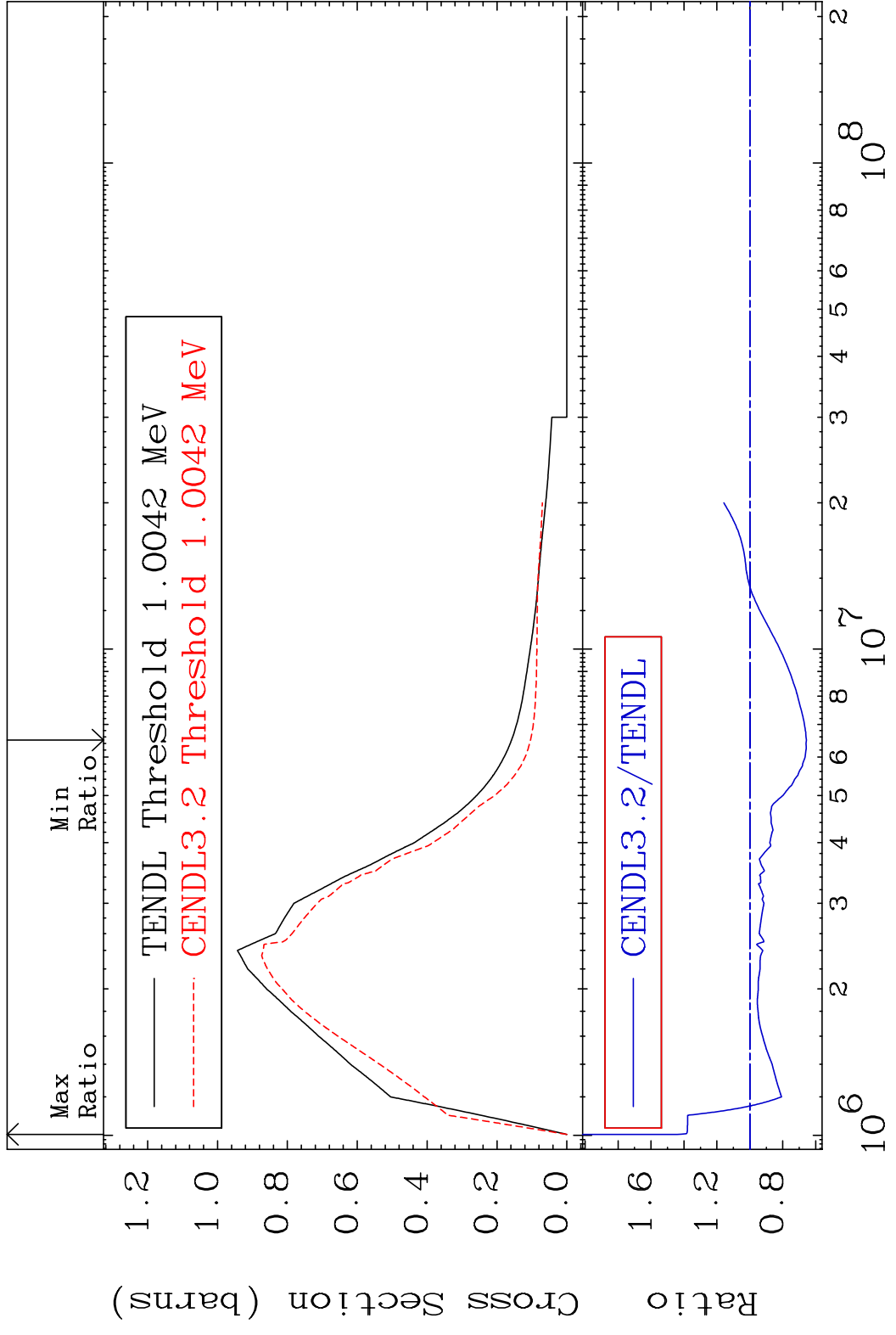
²²Ti-48

MAT 2231

(n, n') p ²²Ti-48
Cross Section -100.0 To -21.15%

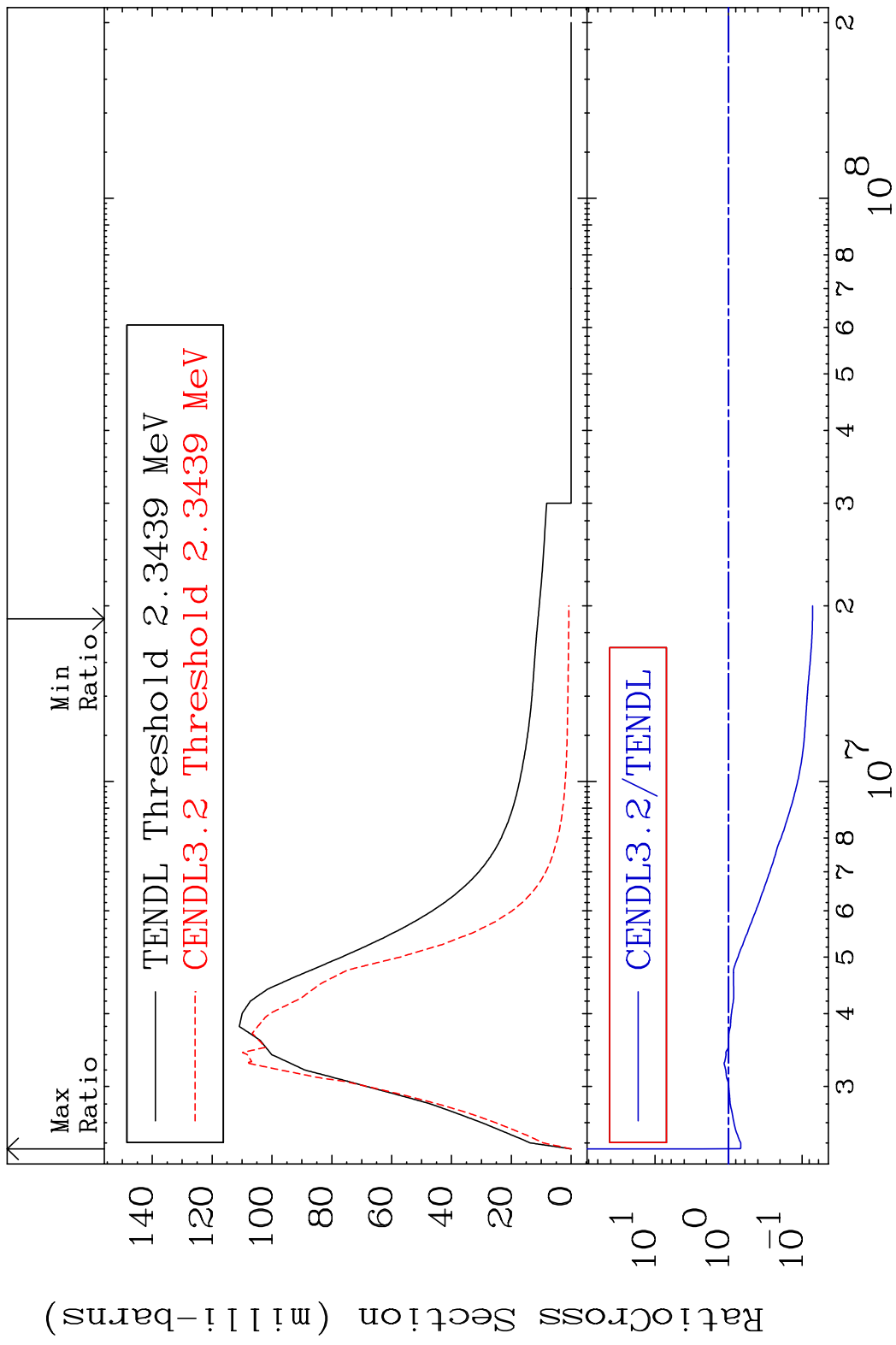


MAT 2231 MT= 51 (n,n') Level 22-Ti-48
 Cross Section -34.33 To 44.11 %

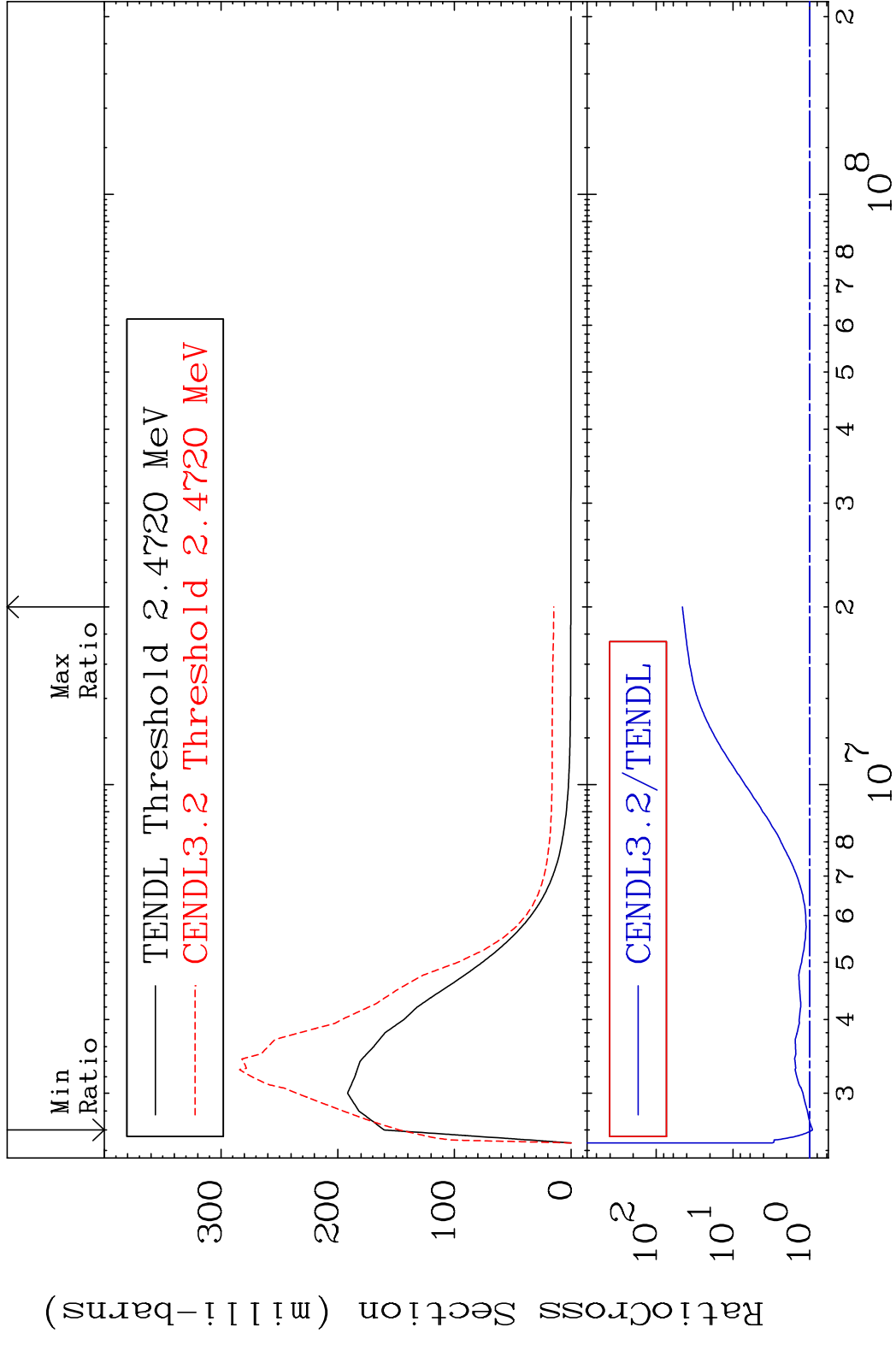


7 Incident Energy (eV) 22-Ti-48

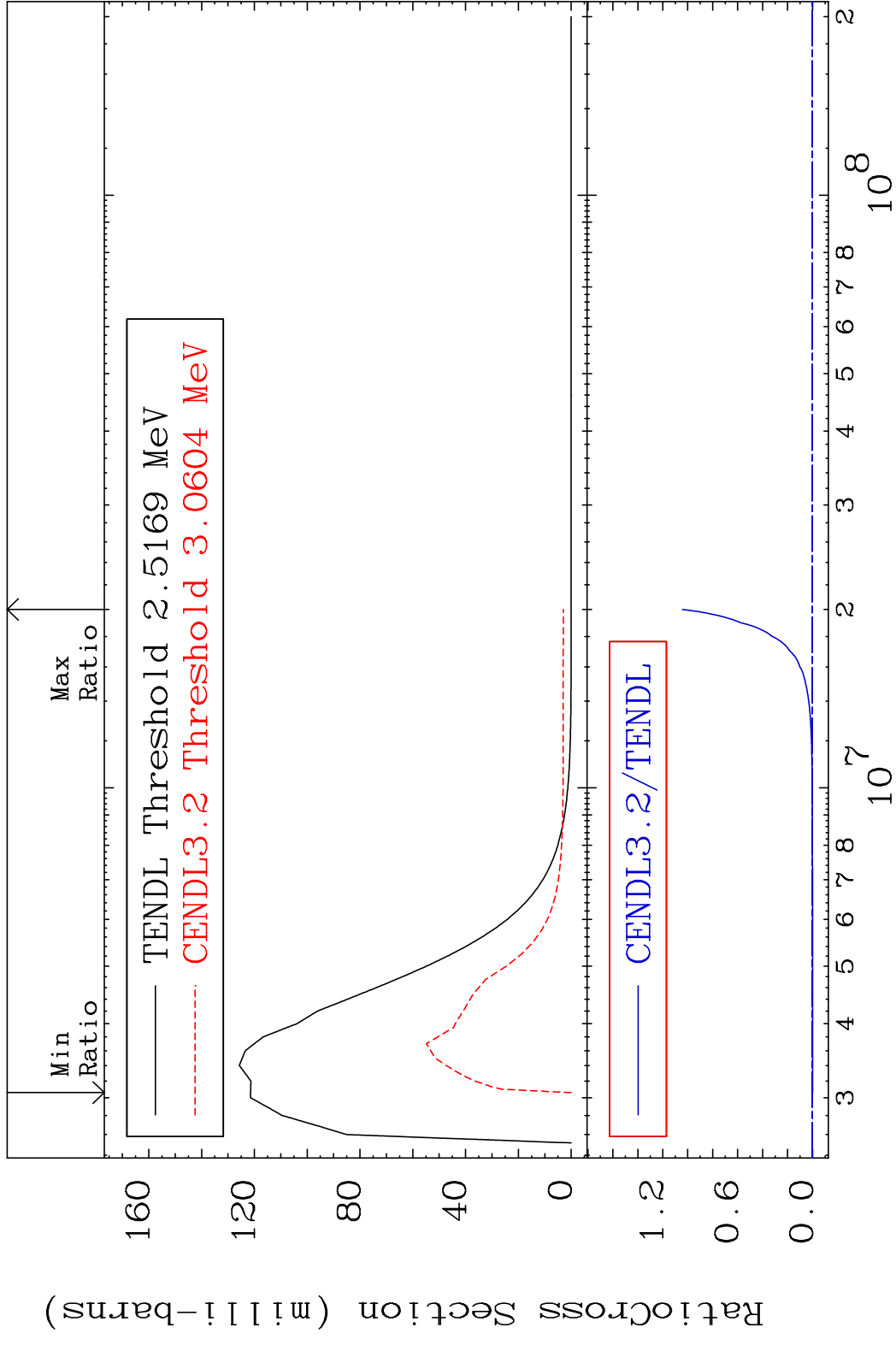
MAT 2231 MT= 52 (n,n') Level 22-Ti-48
 Cross Section -92.79 To 324.9 %



MAT 2231 MT= 53 (n,n') Level 22-Ti-48
 Cross Section -8.077 To 4465. %

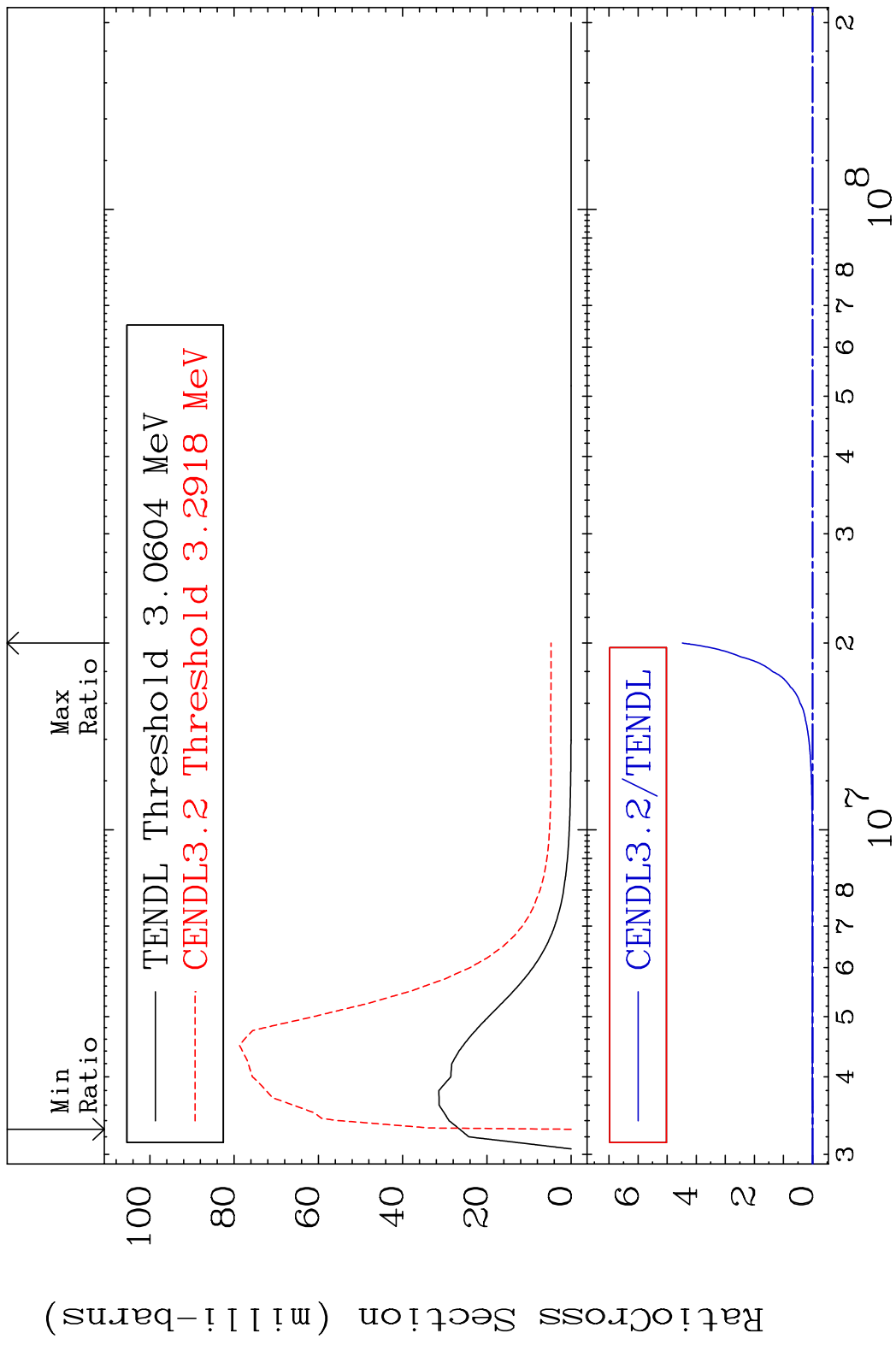


MAT 2231 MT= 54 (n, n') Level 22-Ti-48
 Cross Section -100.0 To 9999. %

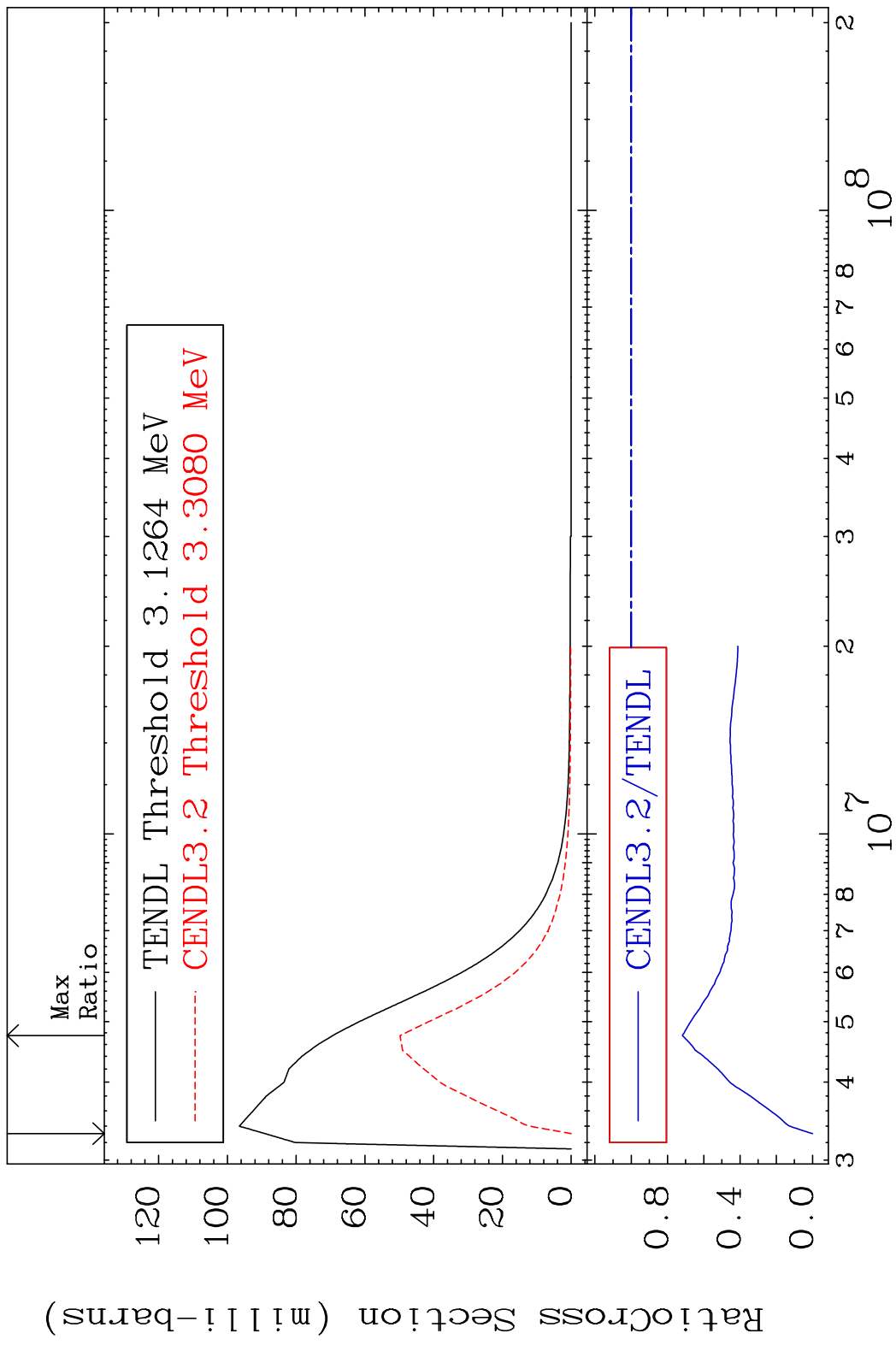


10 Incident Energy (eV) 22-Ti-48

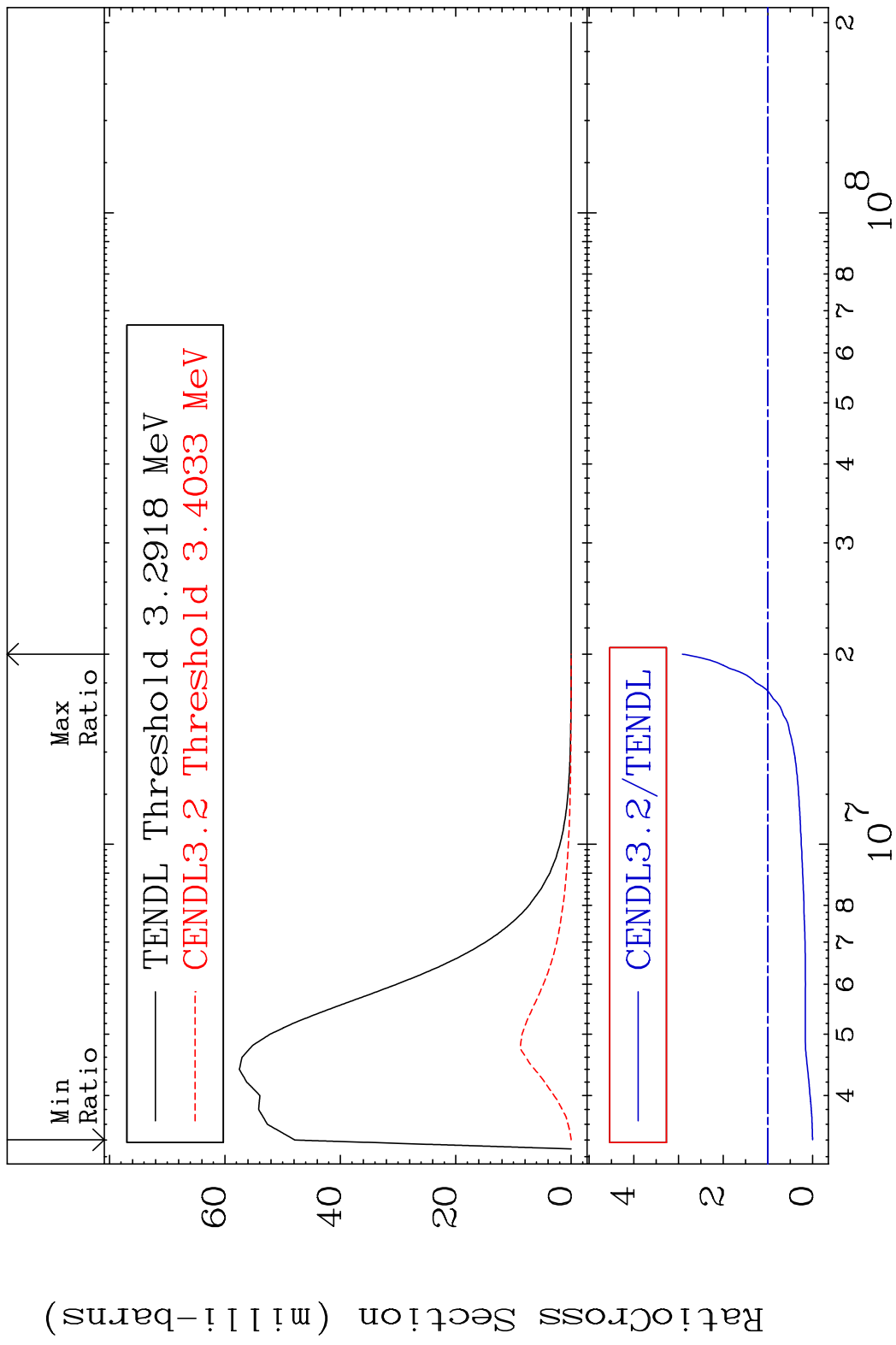
MAT 2231 MT= 55 (n,n') Level 22-Ti-48
 Cross Section -100.0 To 9999. %



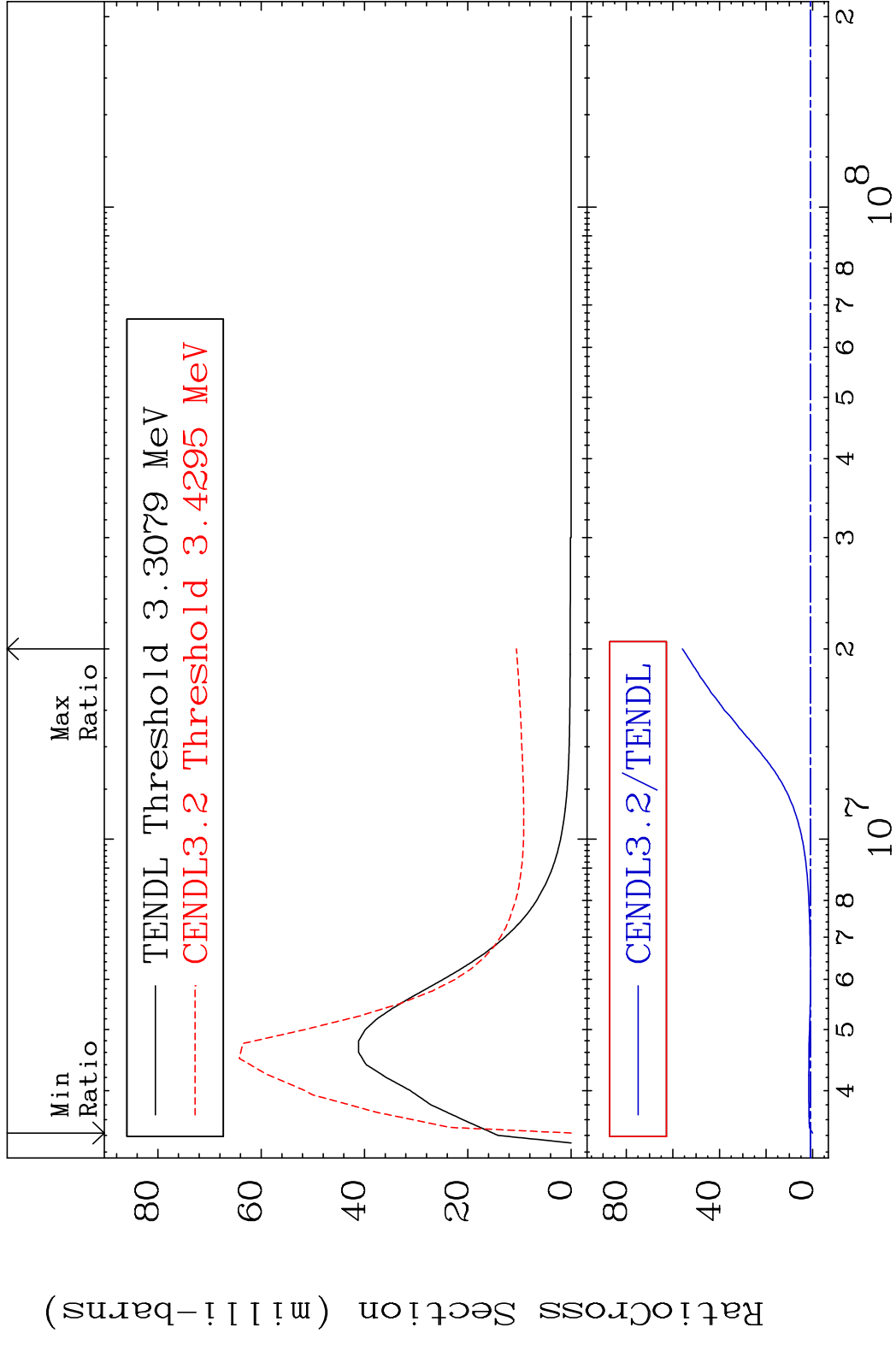
MAT 2231 MT= 56 (n,n') Level 22-Ti-48
 Cross Section -100.0 To -28.21%



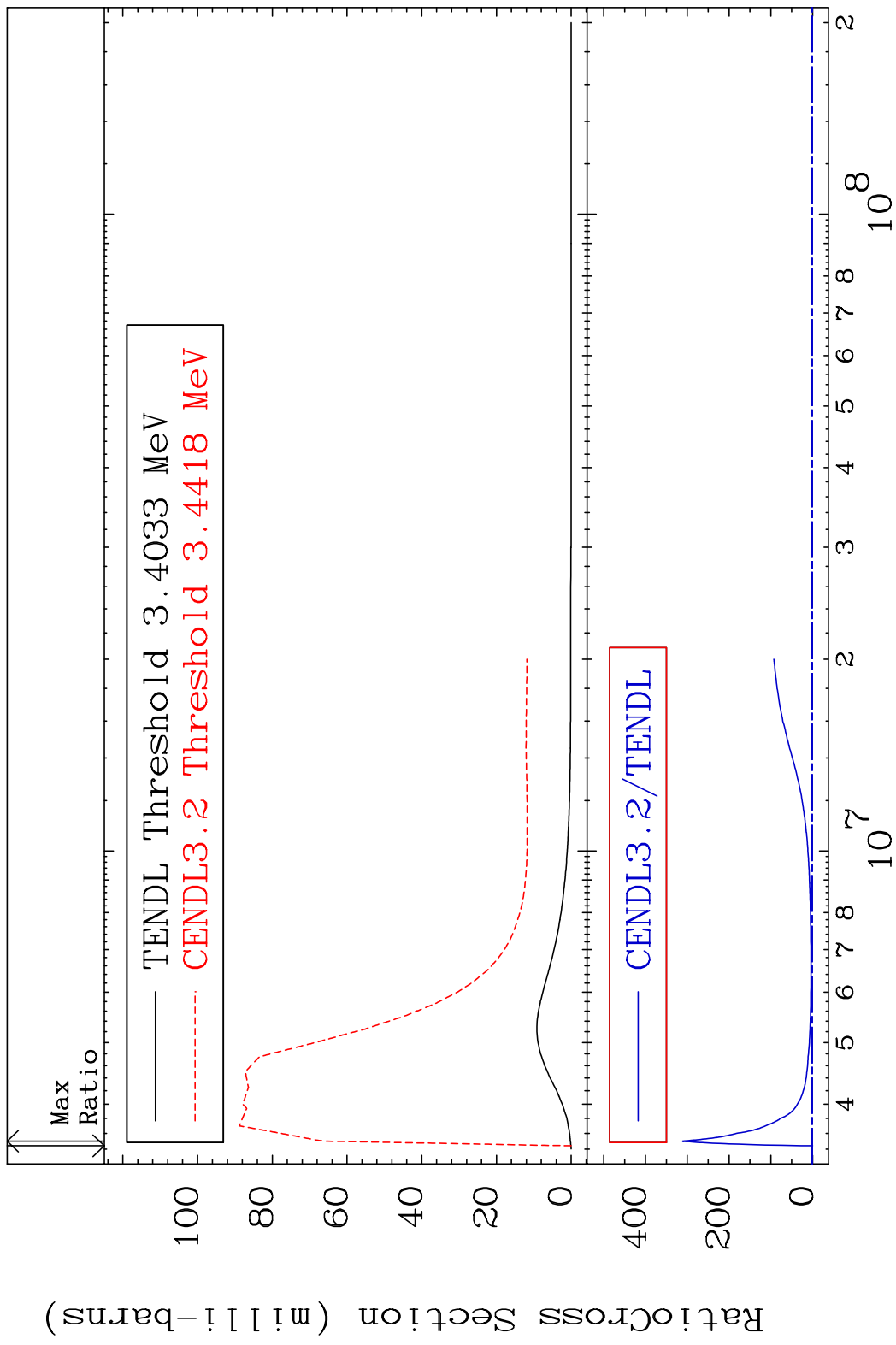
MAT 2231 MT= 57 (n, n') Level 22-Ti-48
 Cross Section -100.0 To 191.3 %



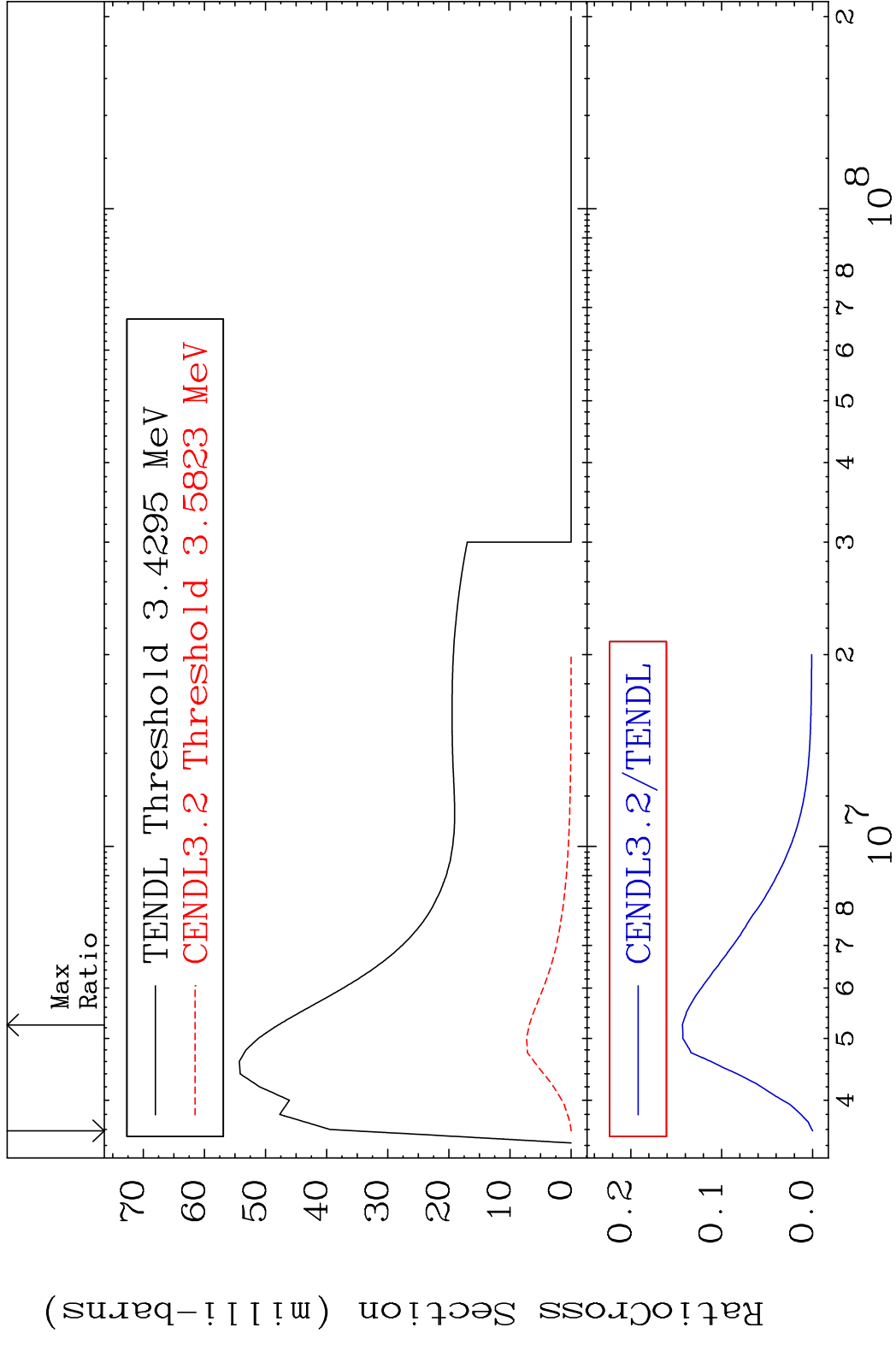
MAT 2231 MT= 58 (n,n') Level 22-Ti-48
 Cross Section -100.0 To 5494. %



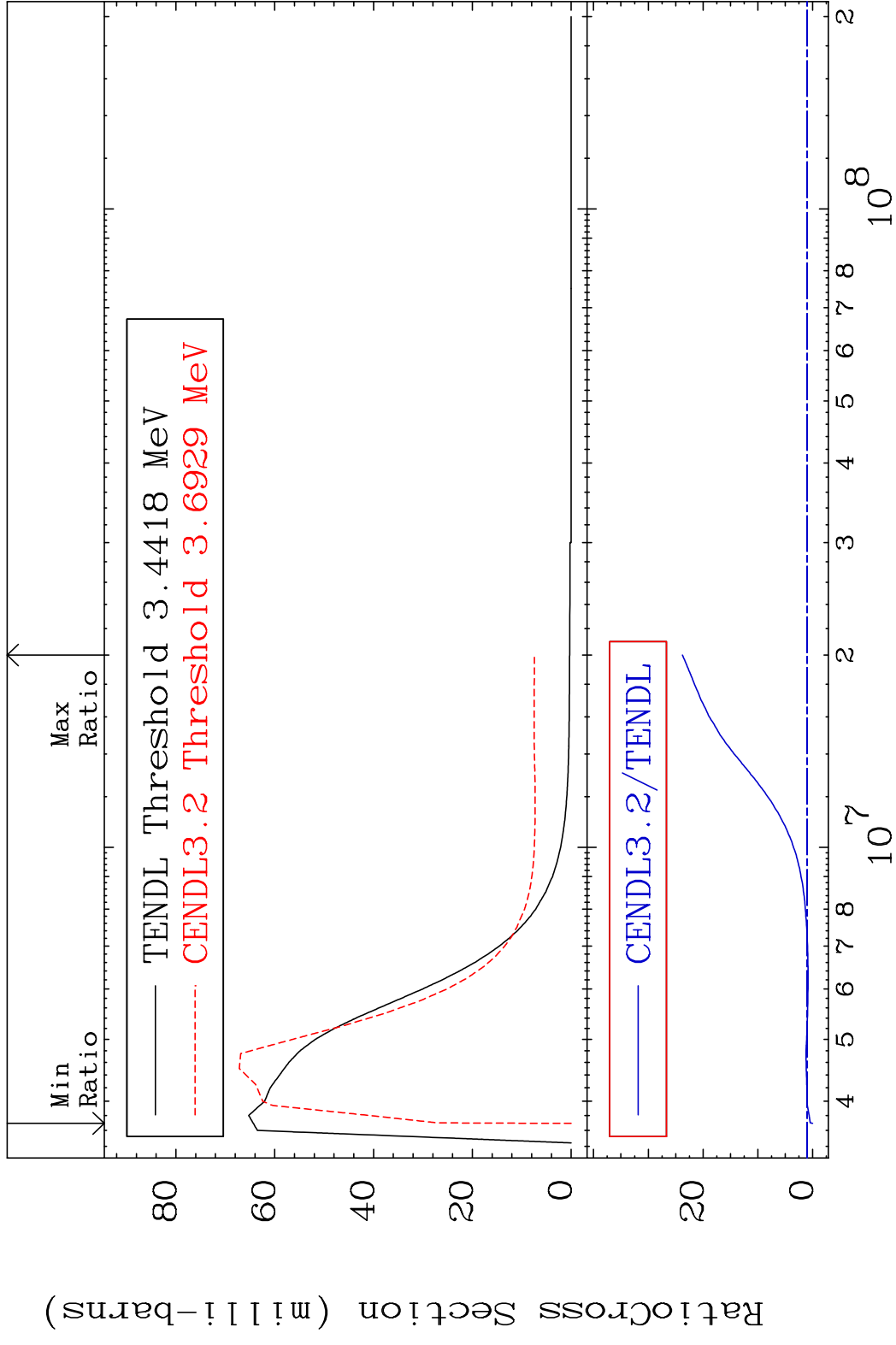
MAT 2231 MT= 59 (n,n') Level 22-Ti-48
 Cross Section -100.0 To 9999. %



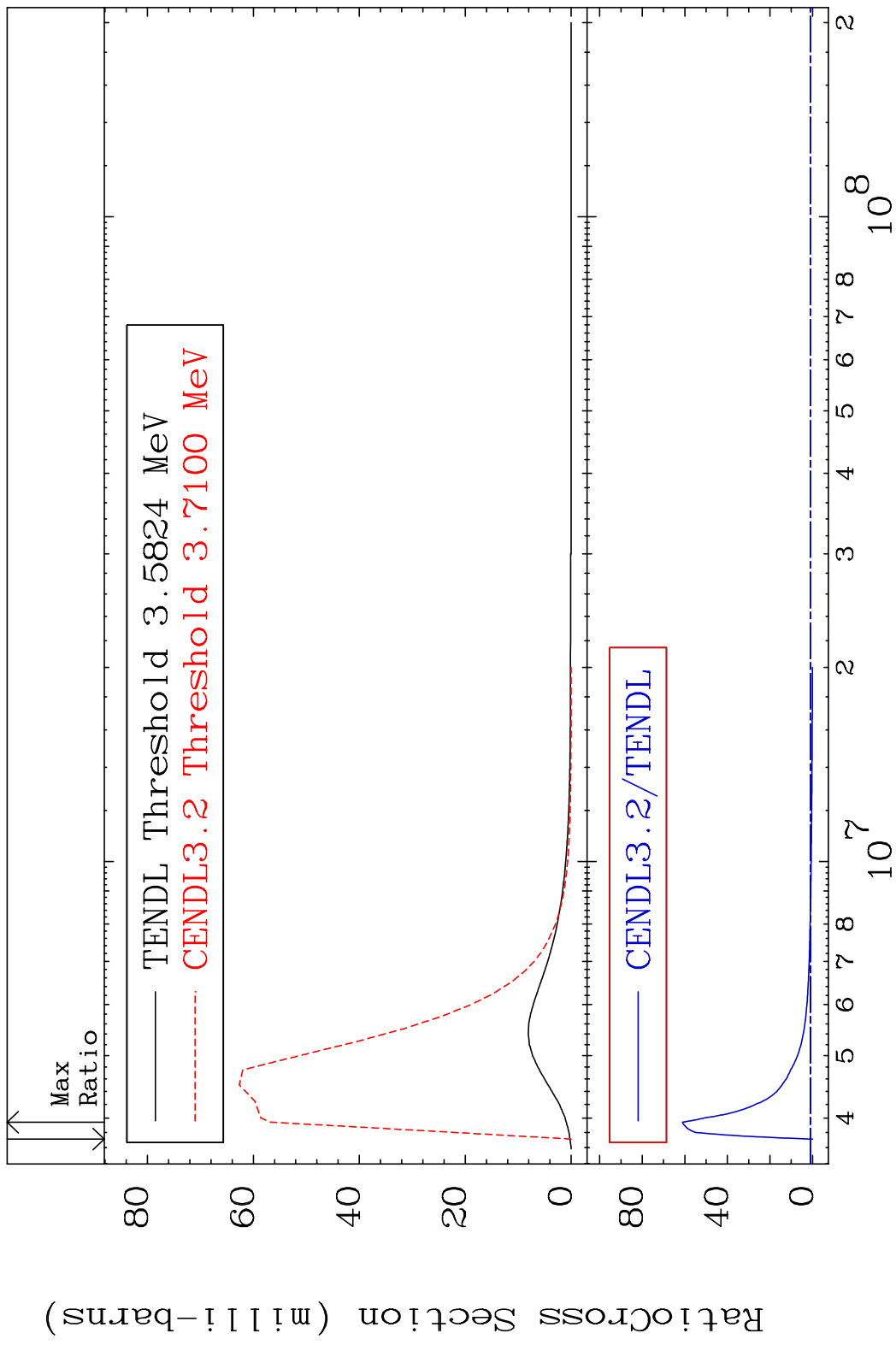
MAT 2231 MT= 60 (n,n') Level 22-Ti-48
 Cross Section -100.0 To -85.68%



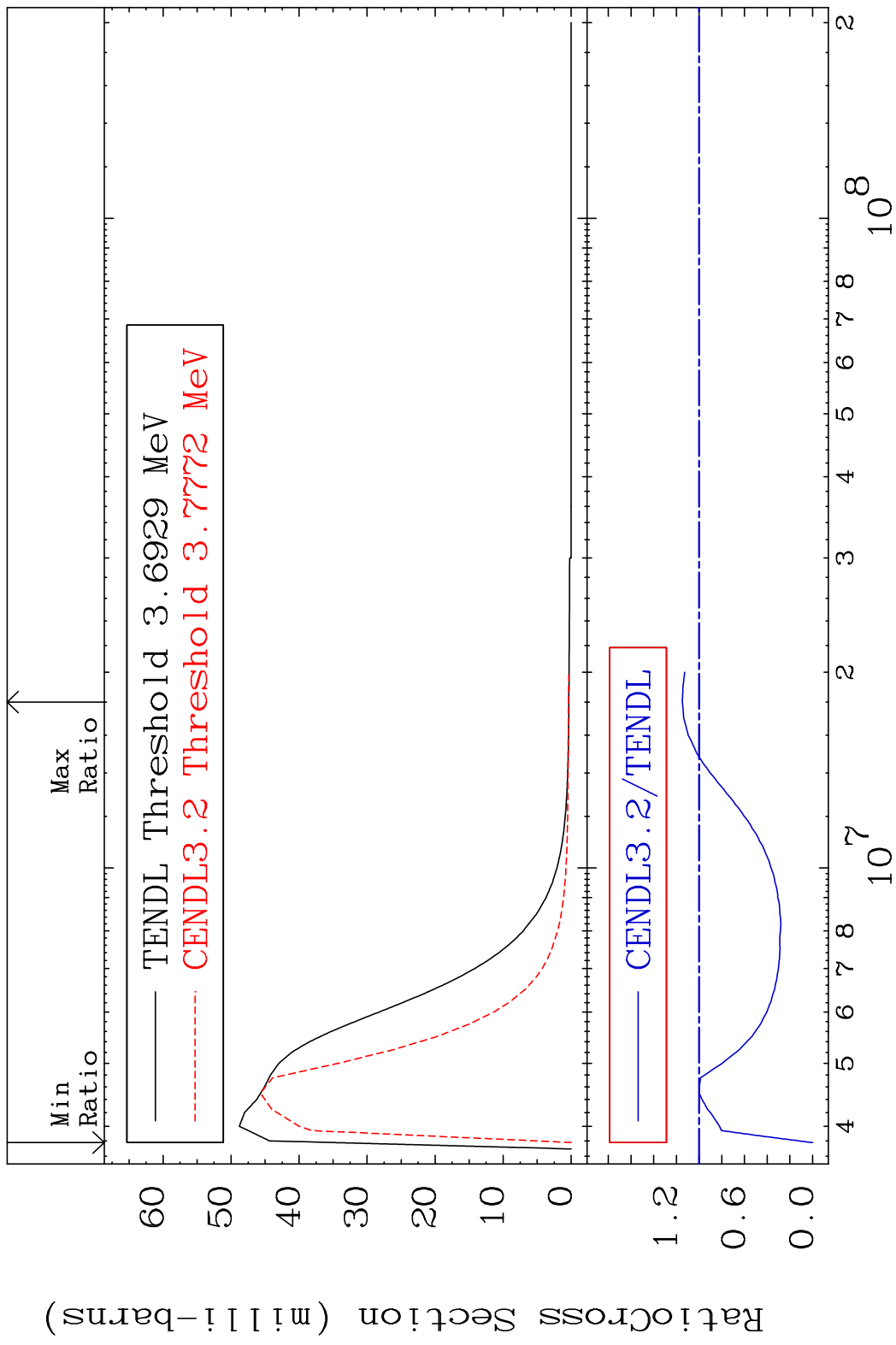
MAT 2231 MT= 61 (n,n') Level 22-Ti-48
 Cross Section -100.0 To 2278. %



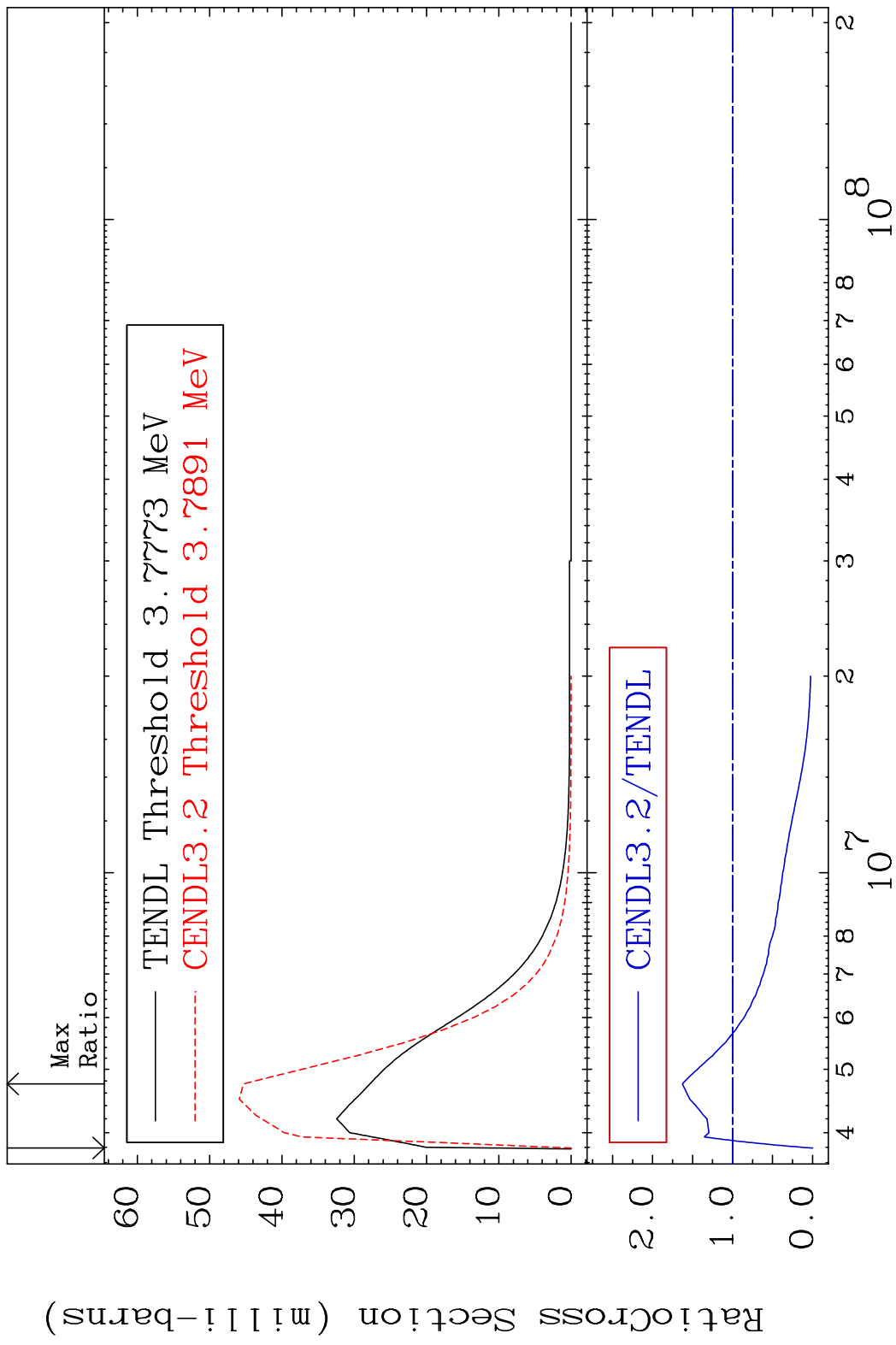
MAT 2231 MT= 62 (n,n') Level 22-Ti-48
 Cross Section -100.0 To 6017. %



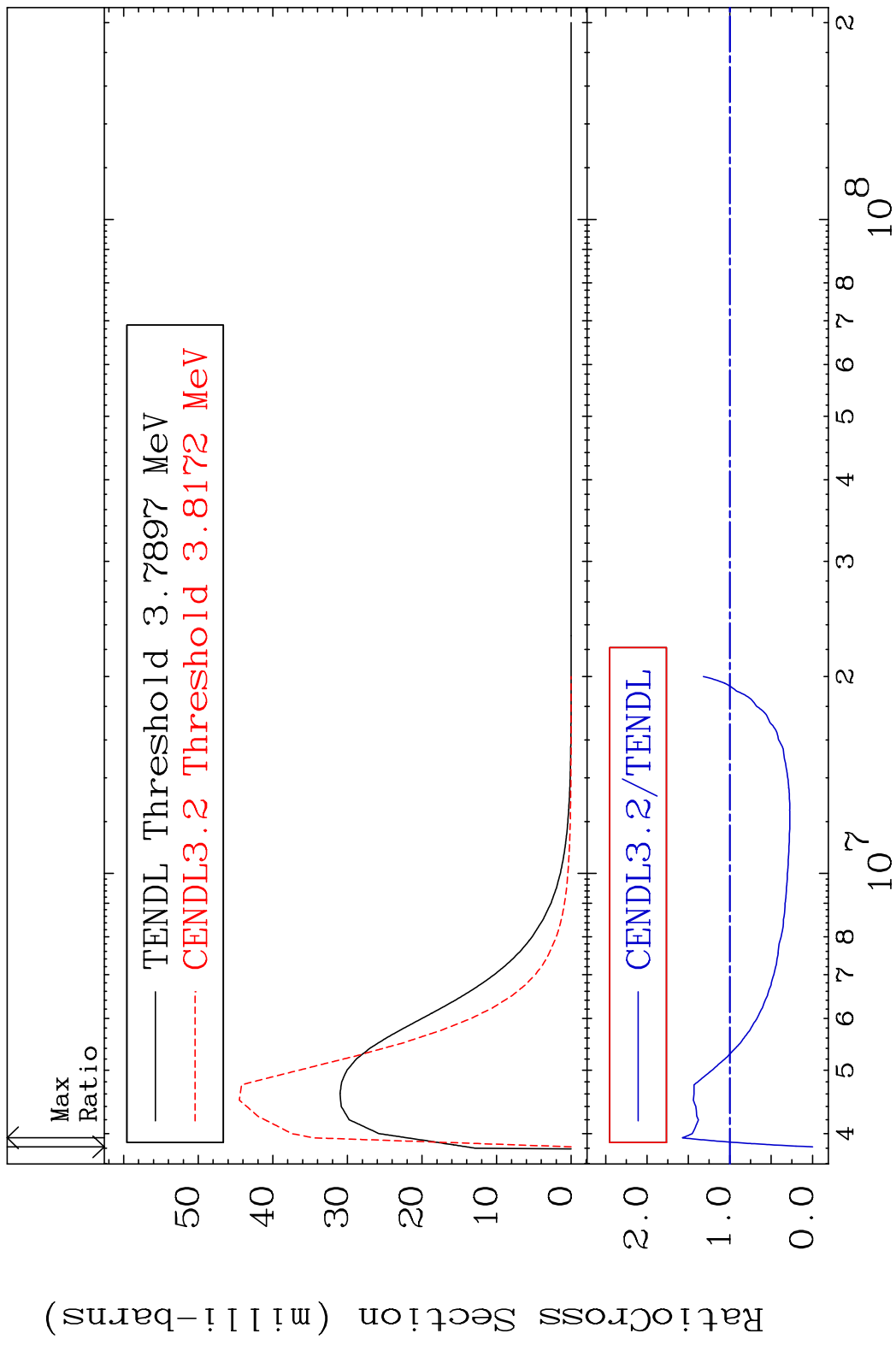
MAT 2231 MT= 63 (n,n') Level 22-Ti-48
 Cross Section -100.0 To 14.77 %



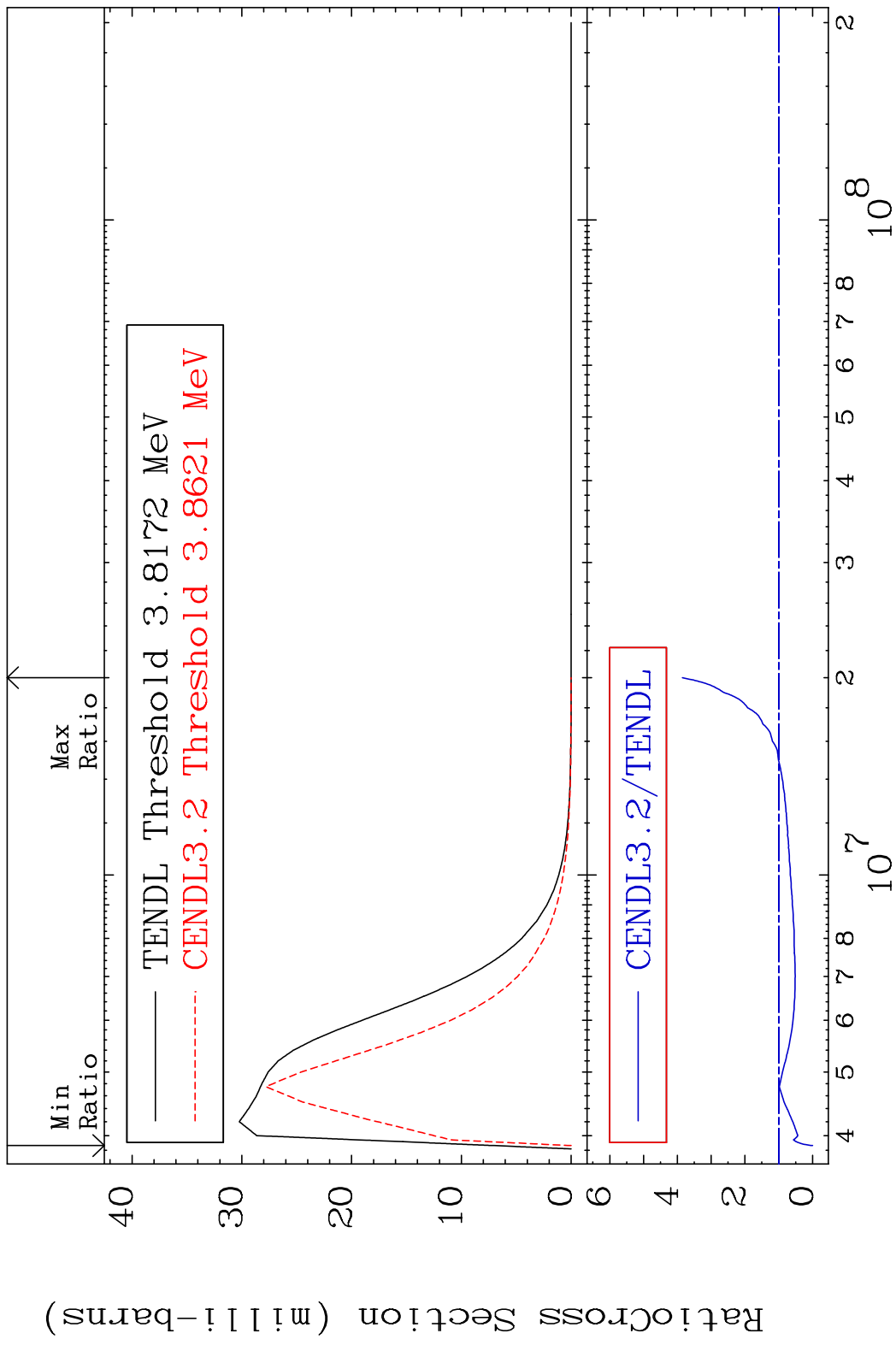
MAT 2231 MT= 64 (n,n') Level 22-Ti-48
 Cross Section -100.0 To 62.81 %



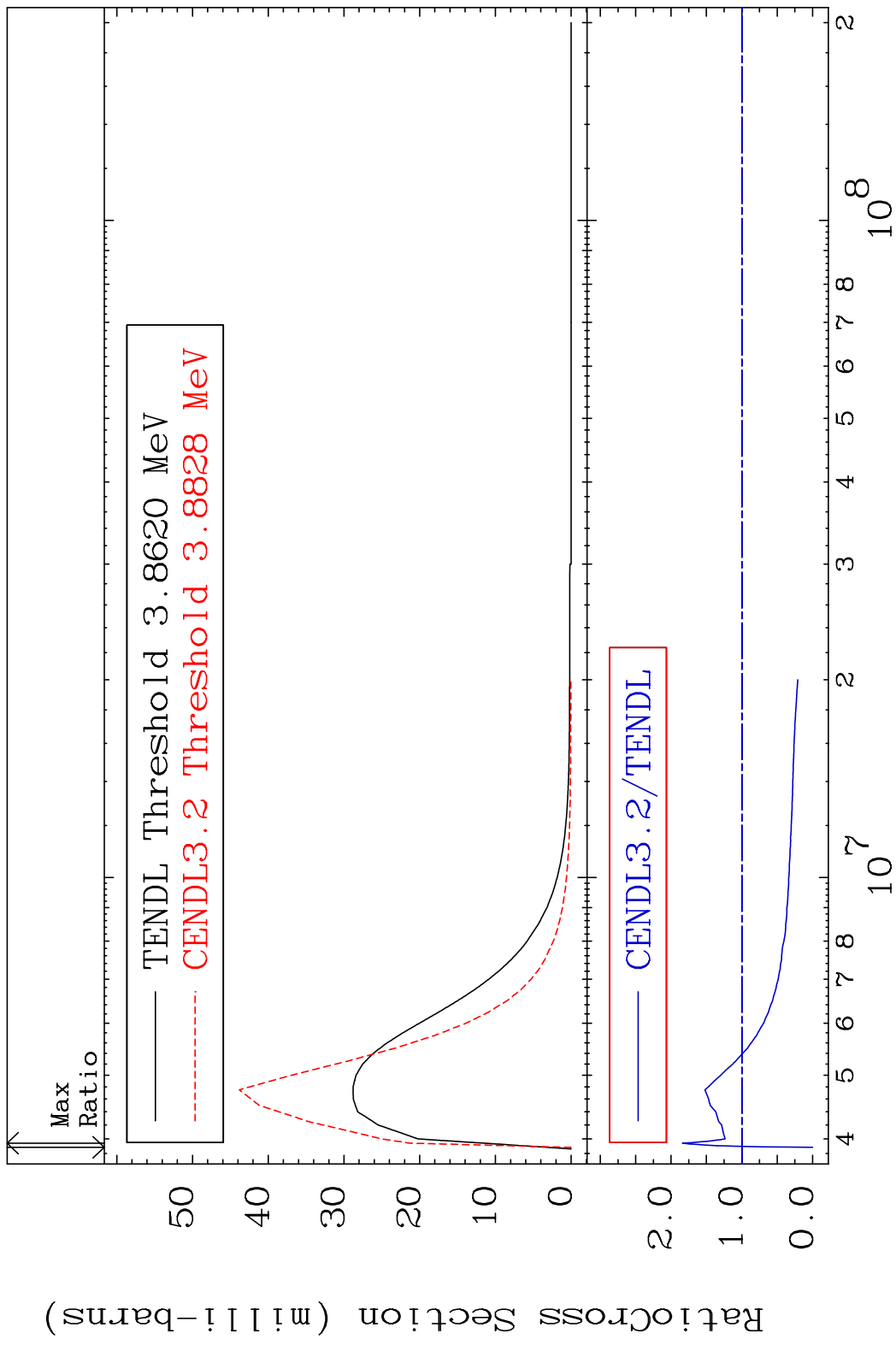
MAT 2231 MT= 65 (n,n') Level 22-Ti-48
 Cross Section -100.0 To 57.33 %



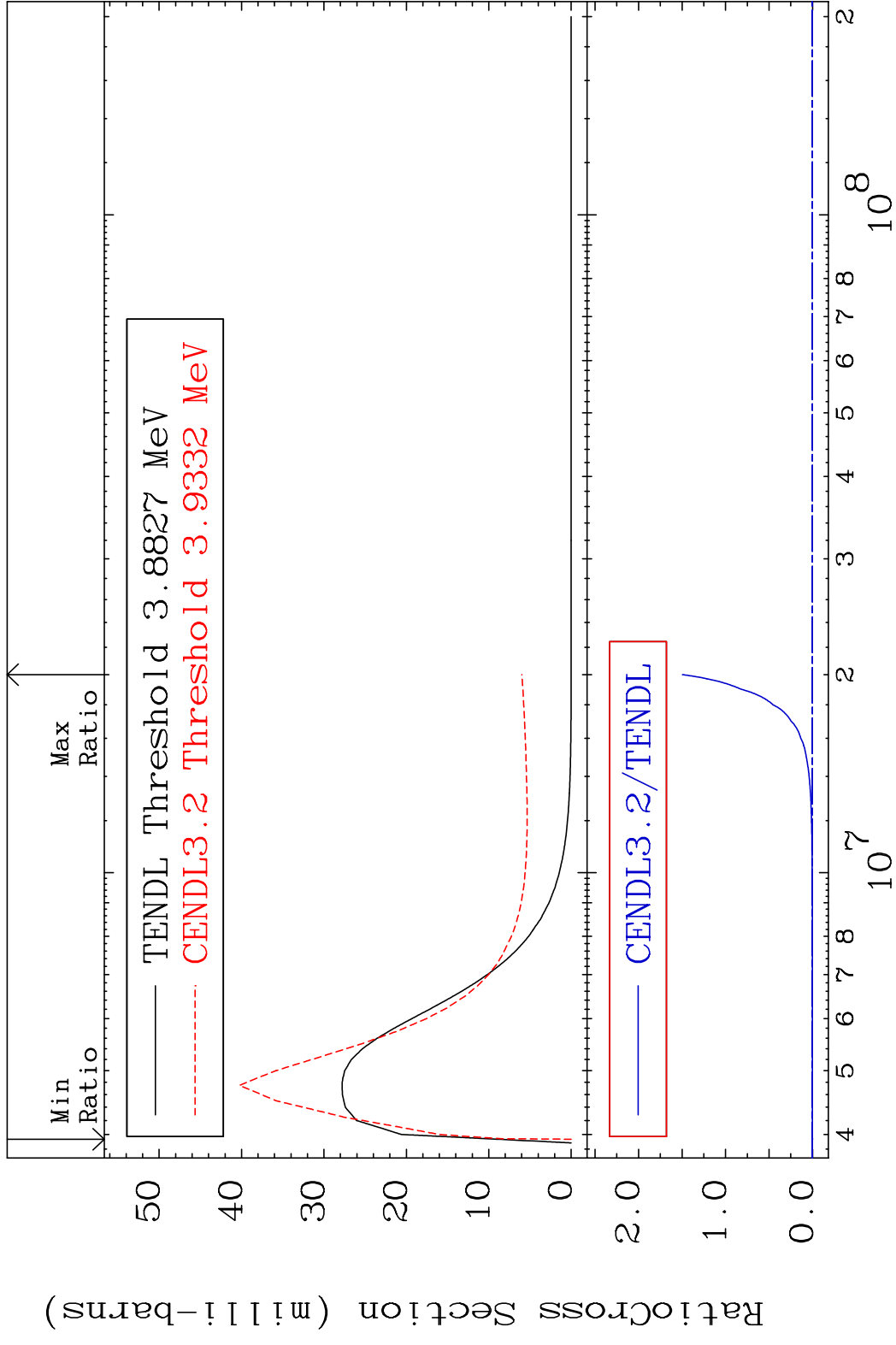
MAT 2231 MT= 66 (n,n') Level 22-Ti-48
 Cross Section -100.0 To 285.2 %



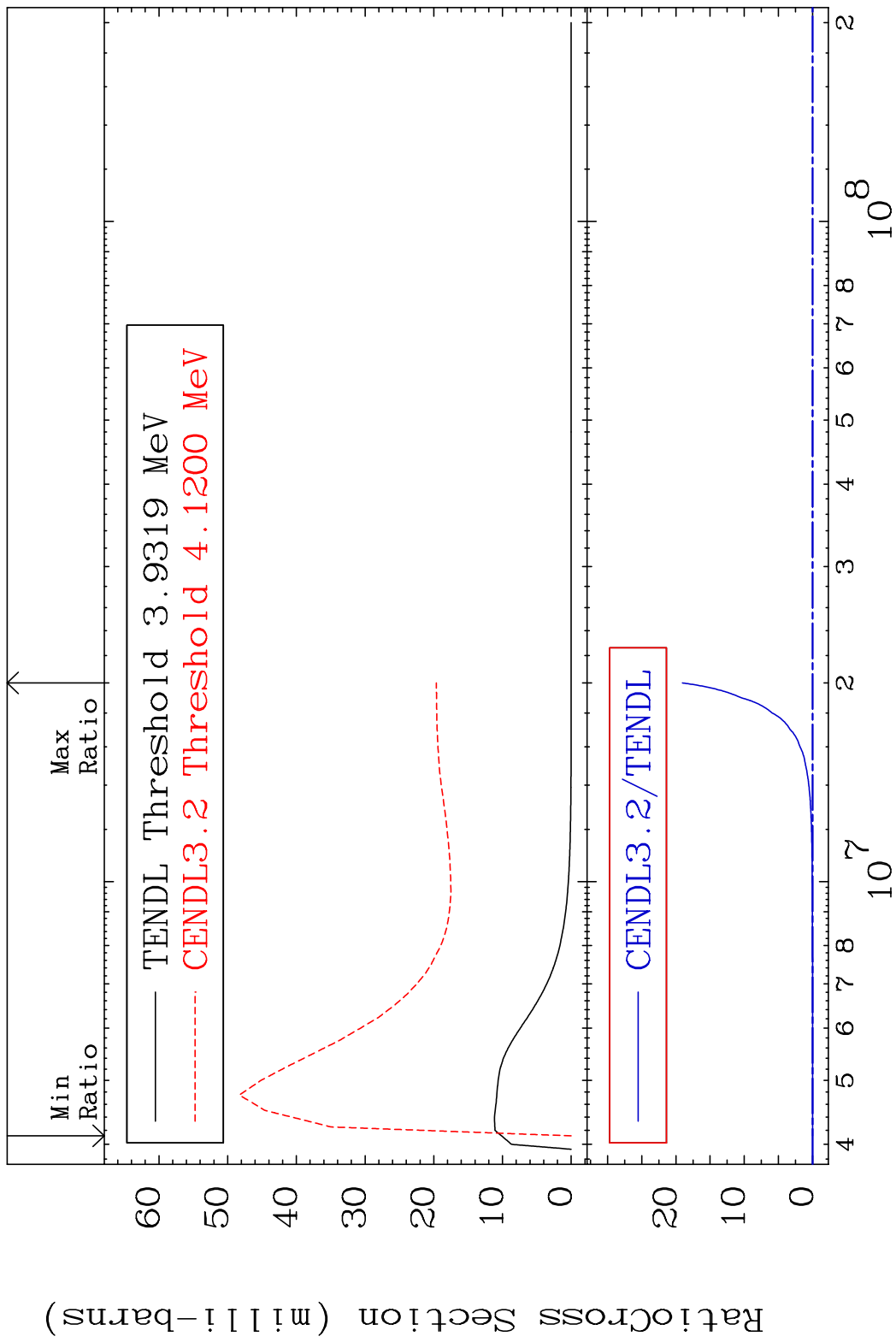
MAT 2231 MT= 67 (n,n') Level 22-Ti-48
 Cross Section -100.0 To 84.03 %



MAT 2231 MT= 68 (n,n') Level 22-Ti-48
 Cross Section -100.0 To 9999. %

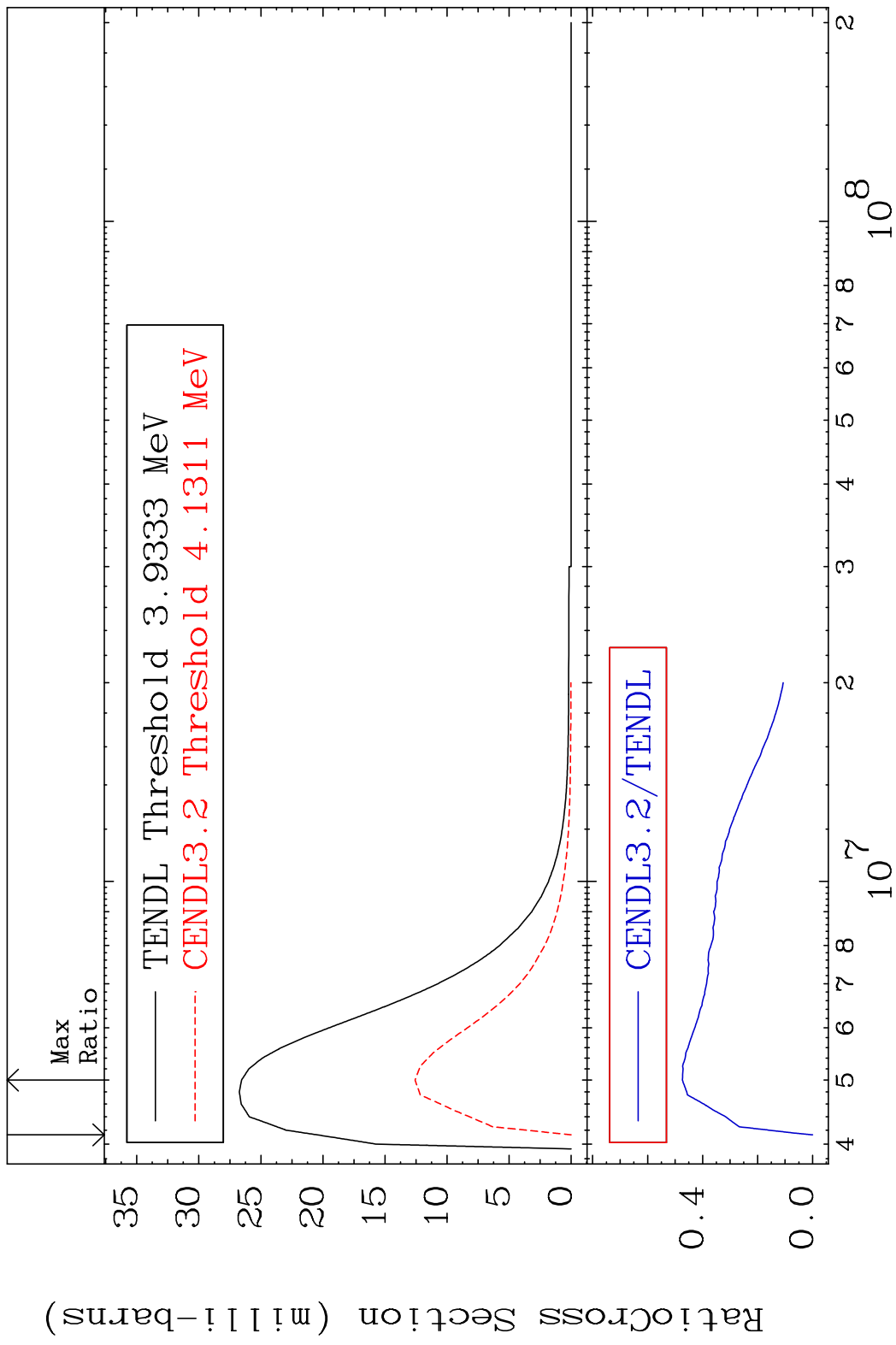


MAT 2231 MT= 69 (n,n') Level 22-Ti-48
 Cross Section -100.0 To 9999. %

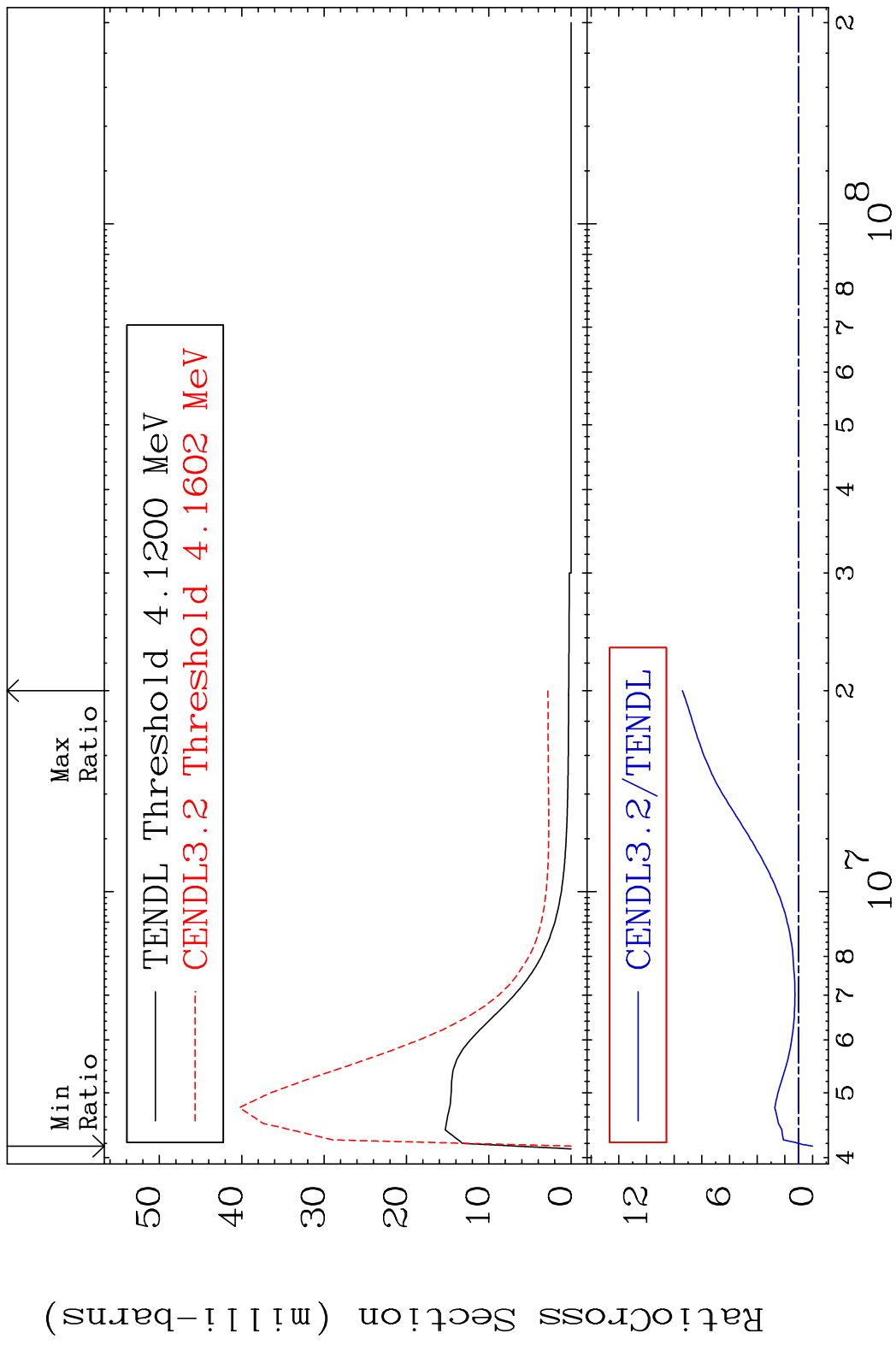


25 Incident Energy (eV) 22-Ti-48

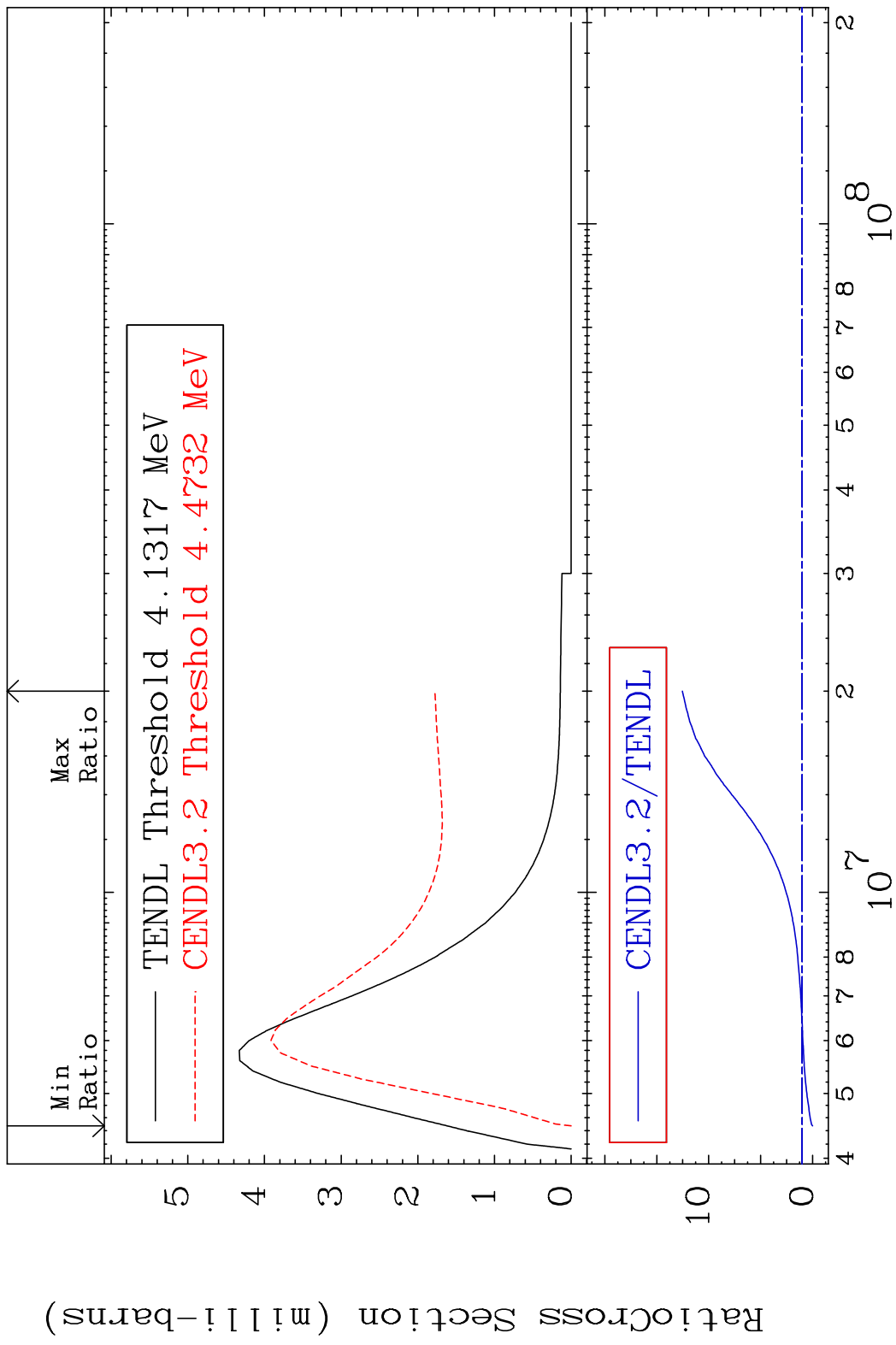
MAT 2231 MT= 70 (n,n') Level 22-Ti-48
 Cross Section -100.0 To -52.64%



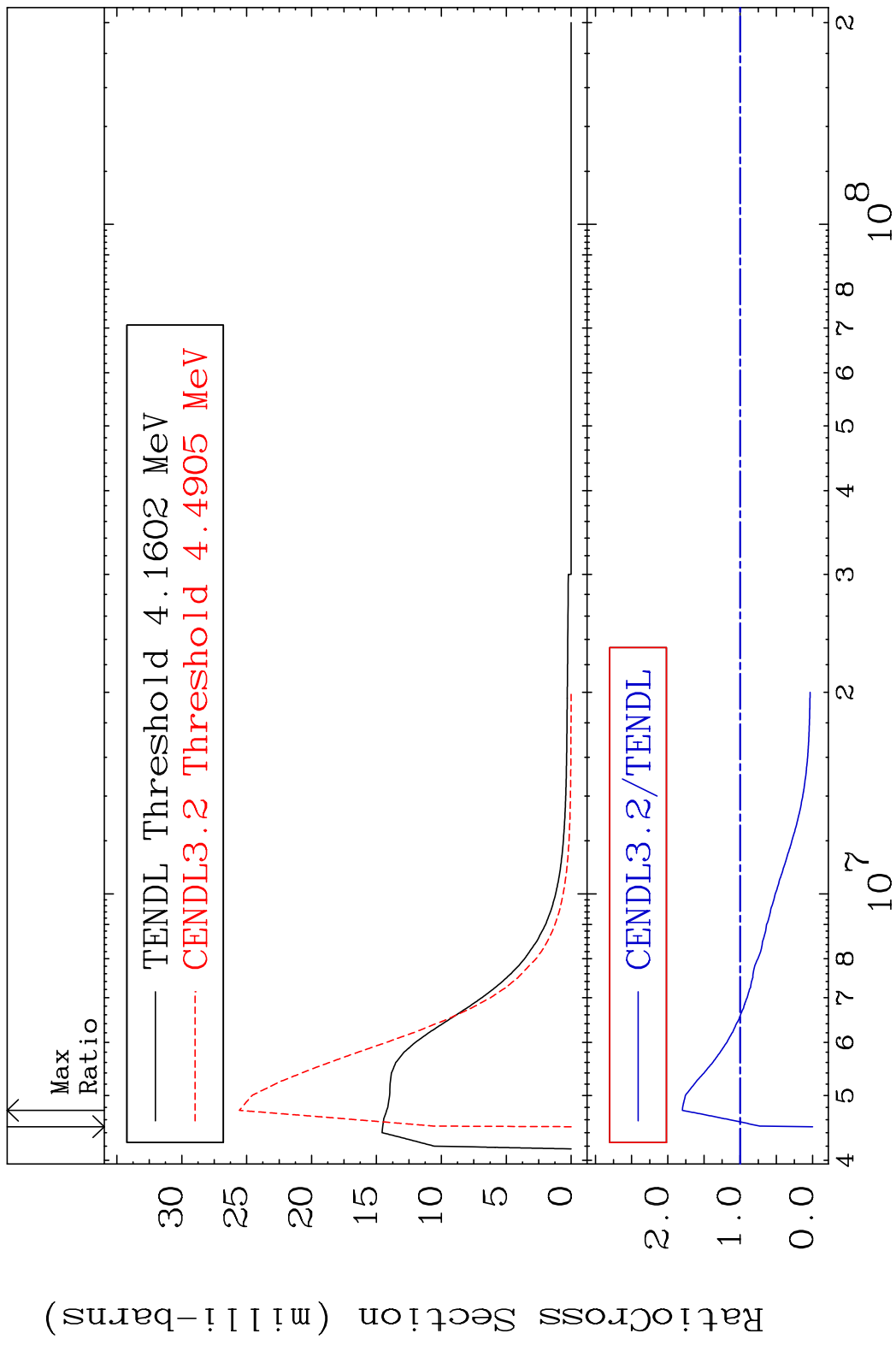
MAT 2231 MT= 71 (n,n') Level 22-Ti-48
 Cross Section -100.0 To 841.0 %



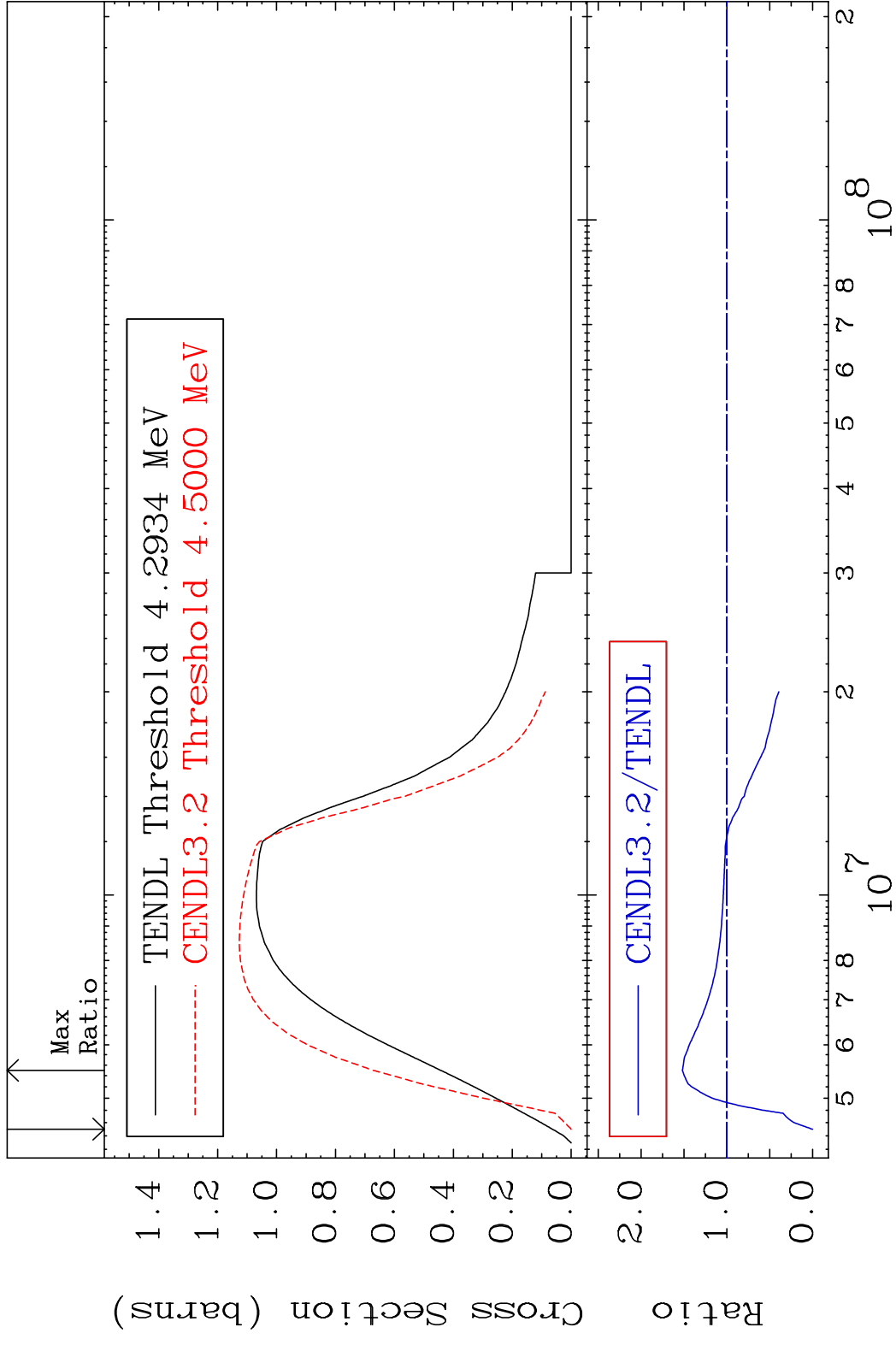
MAT 2231 MT= 72 (n, n') Level 22-Ti-48
 Cross Section -100.0 To 1154. %



MAT 2231 MT= 73 (n, n') Level 22-Ti-48
 Cross Section -100.0 To 79.91 %



MAT 2231 (n, n') Continuum 22-Ti-48
 Cross Section -100.0 To 51.82 %



30 Incident Energy (eV) 22-Ti-48

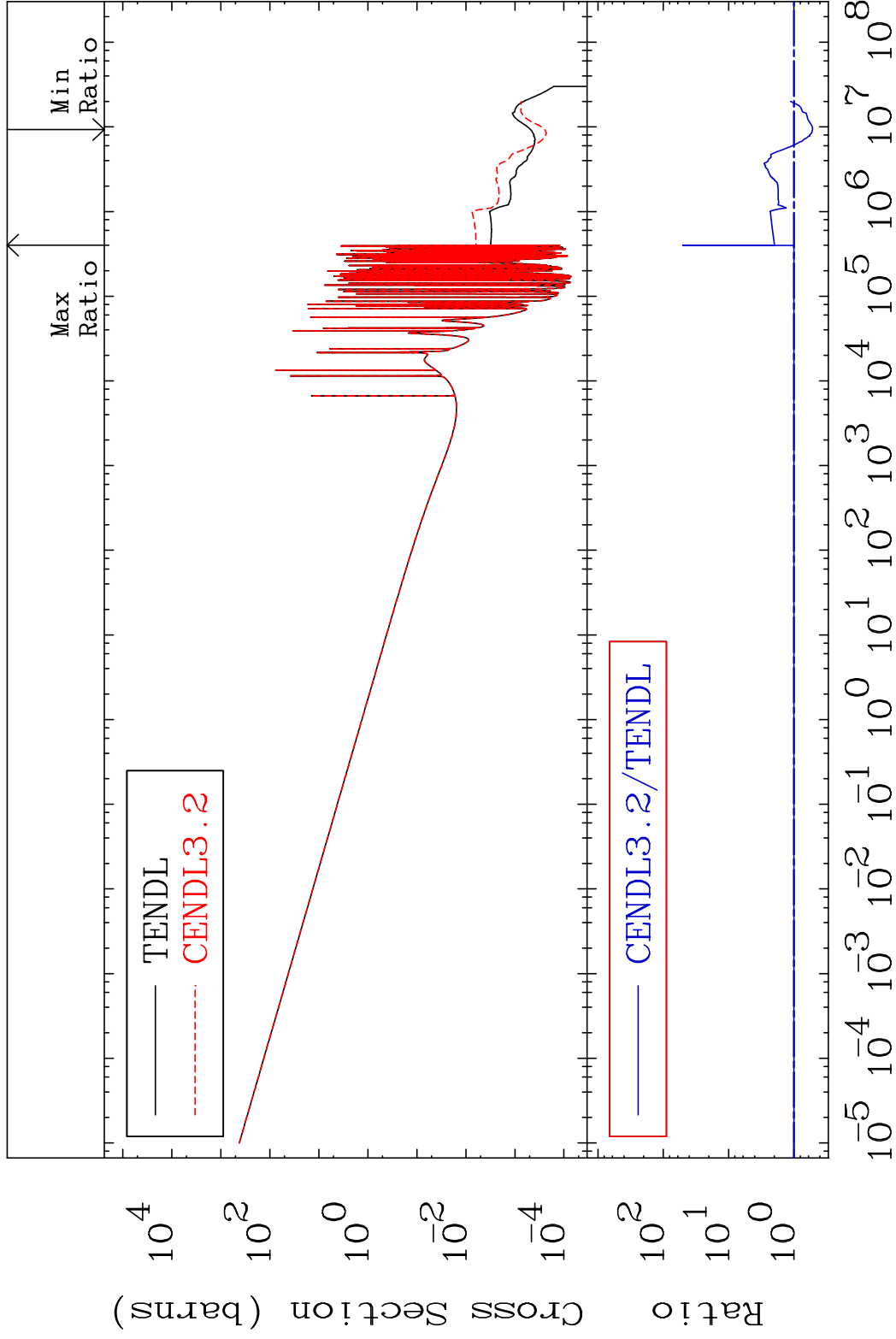
MAT 2231

(n, γ)

22-Ti-48

Cross Section

-48.12 To 5004. %



31

Incident Energy (eV)

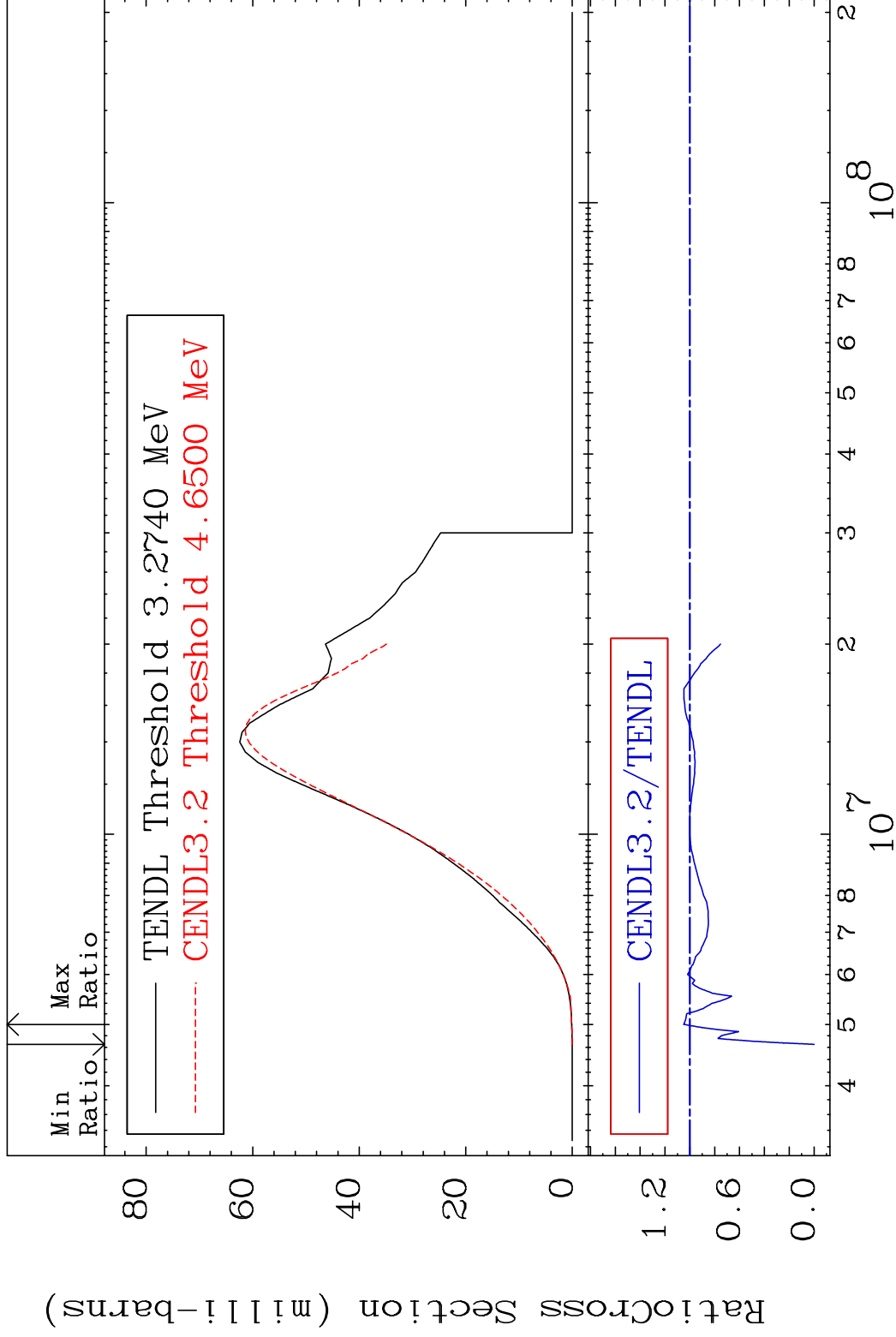
22-Ti-48

MAT 2231

(n,p)

²²Ti-48

Cross Section -100.0 To 4.980 %



32

Incident Energy (eV)

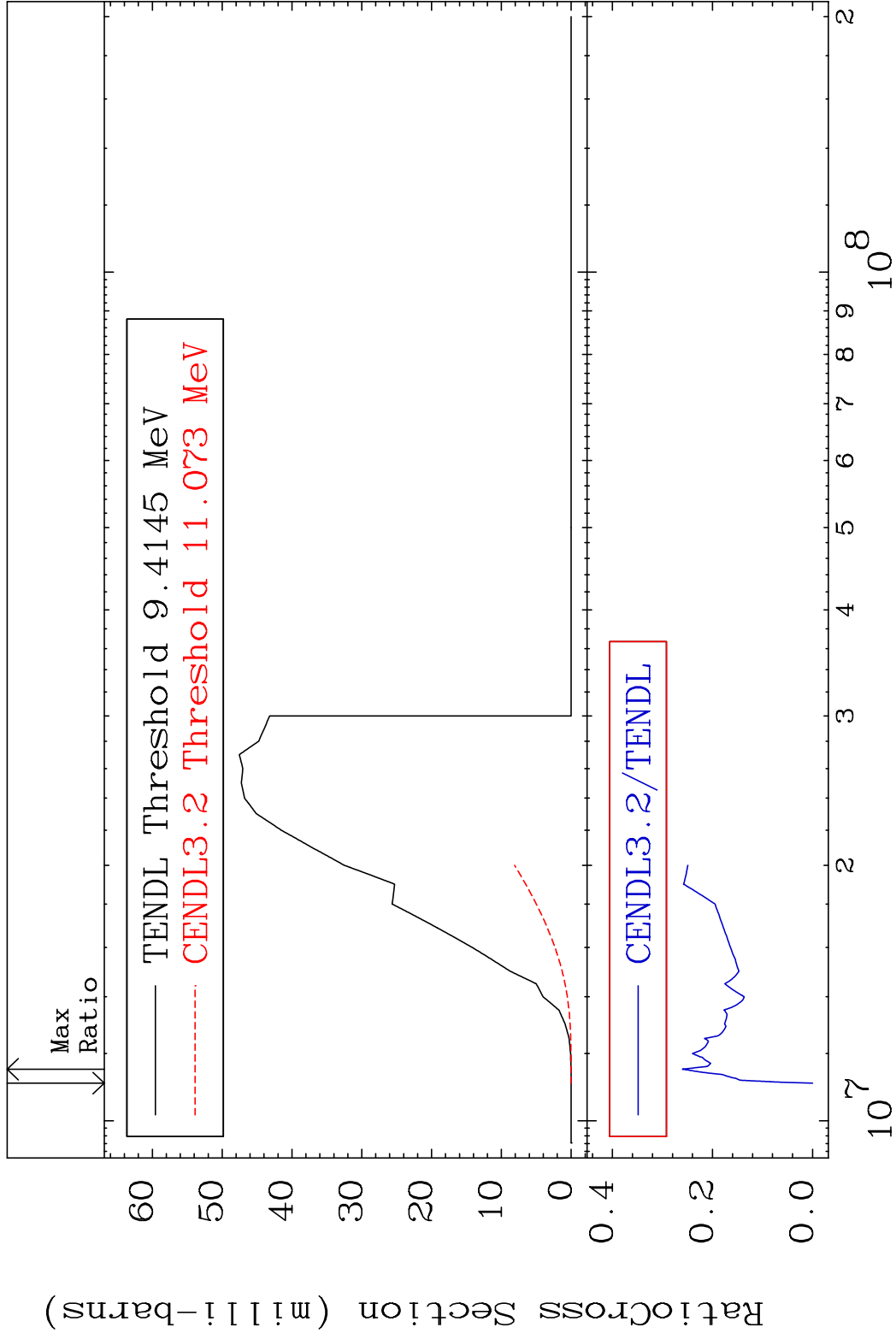
²²Ti-48

MAT 2231

(n,d)

²²Ti-48

Cross Section -100.0 To -73.97%

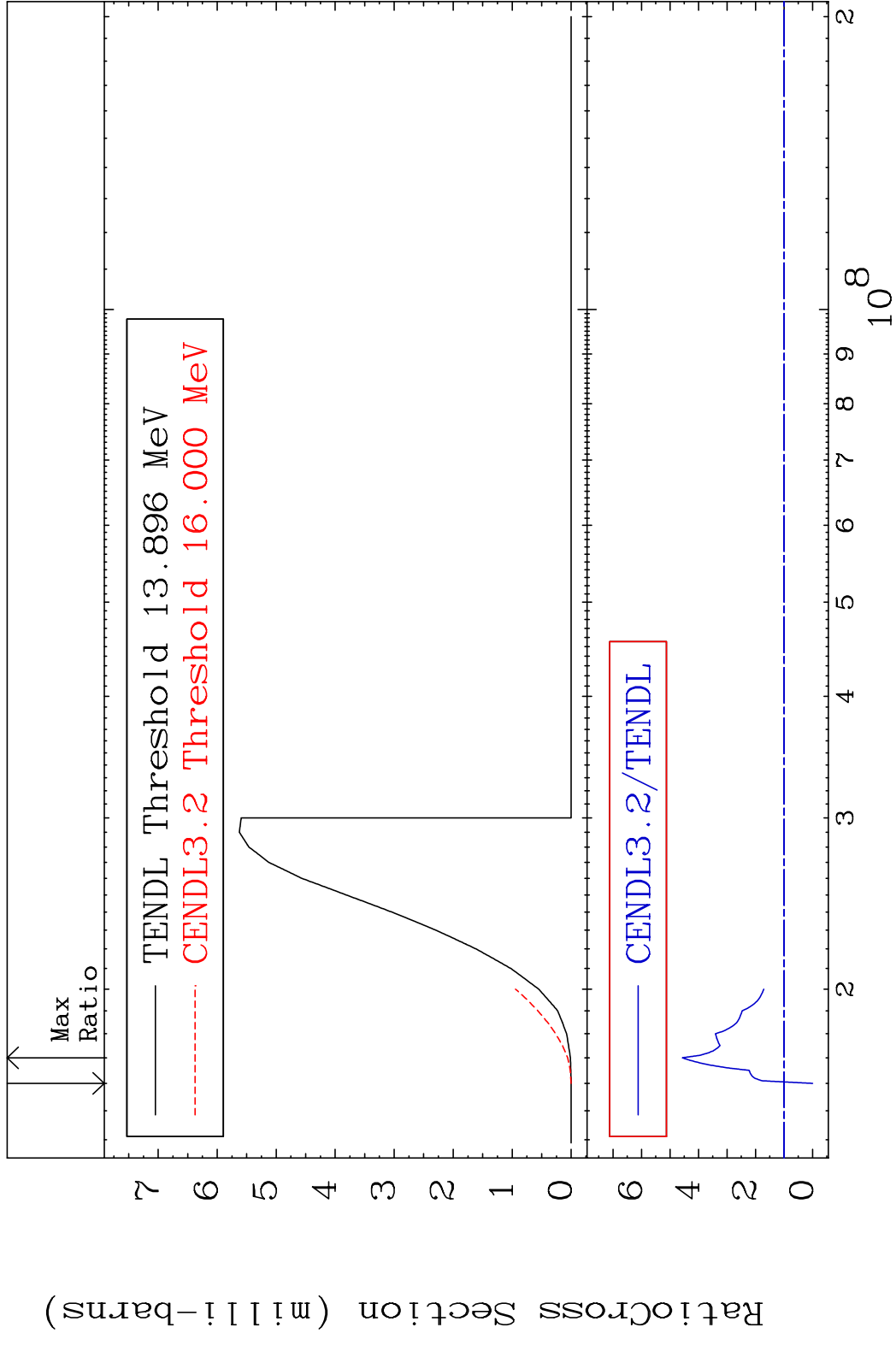


33

Incident Energy (eV)

²²Ti-48

MAT 2231 (n, t) 22-Ti-48
 Cross Section -100.0 To 356.8 %

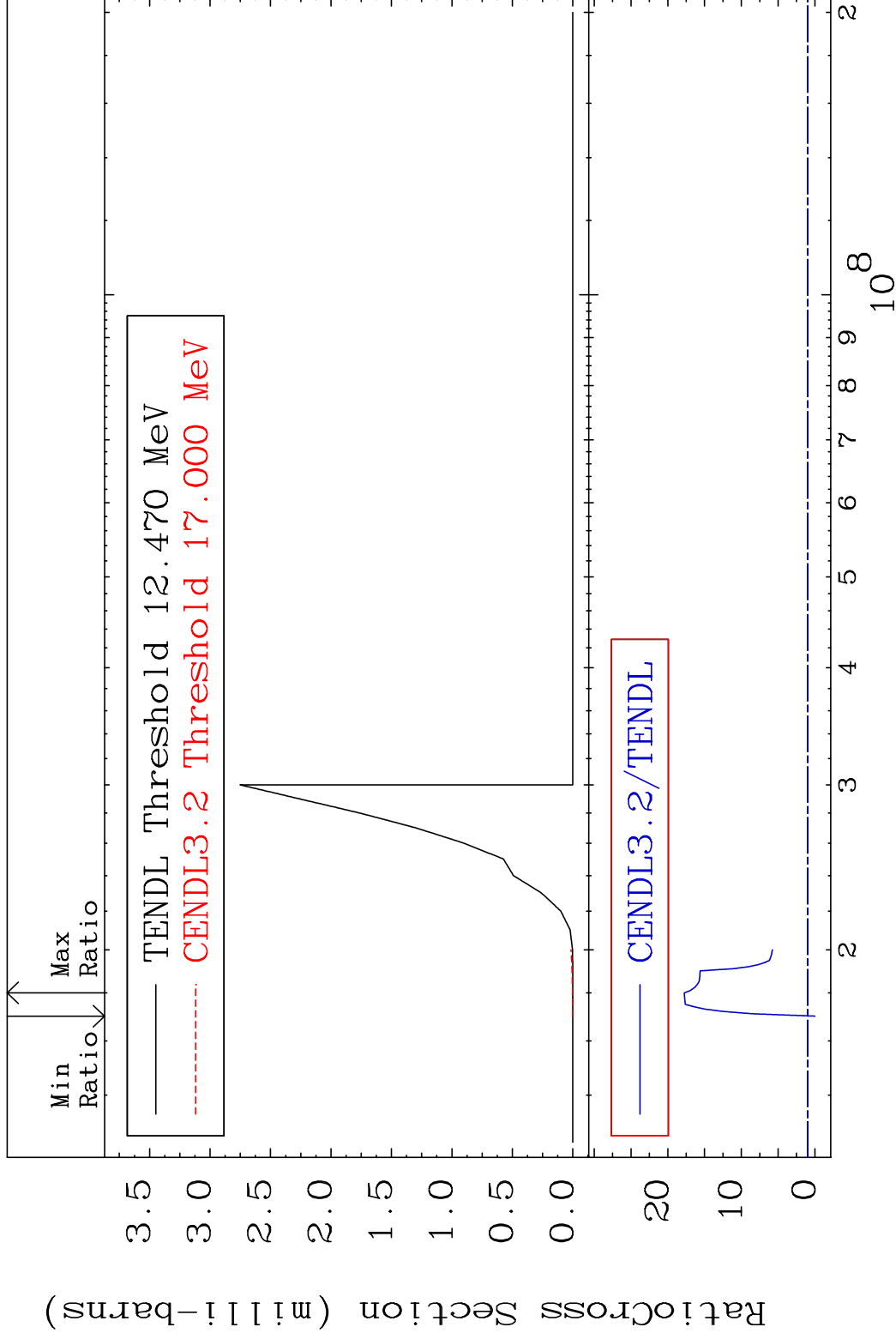


MAT 2231

(n, He-3)

²²Ti-48

Cross Section -100.0 To 1675. %



35

Incident Energy (eV)

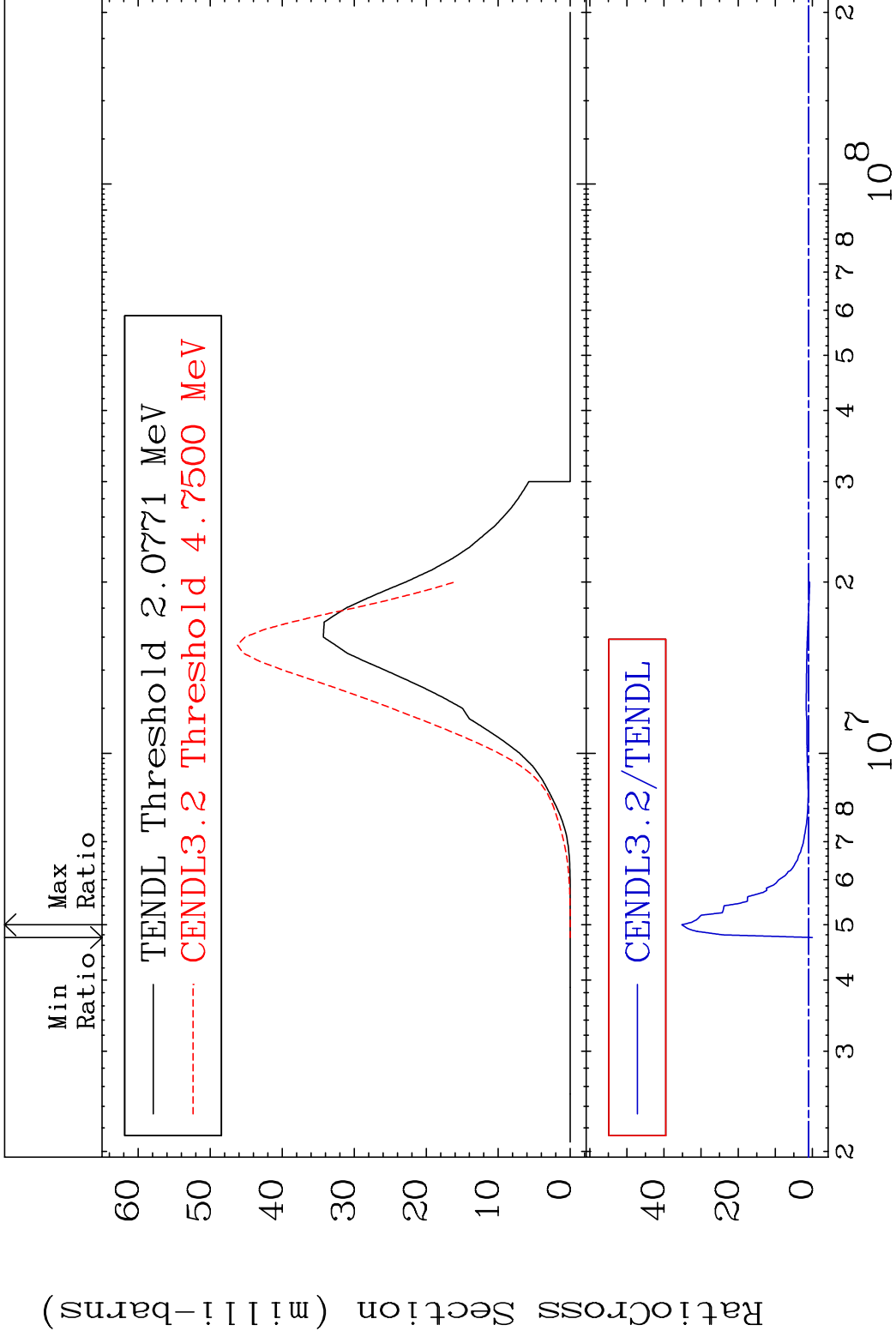
²²Ti-48

MAT 2231

(n, α)

²²Ti-48

Cross Section -100.0 To 3422. %



36

Incident Energy (eV)

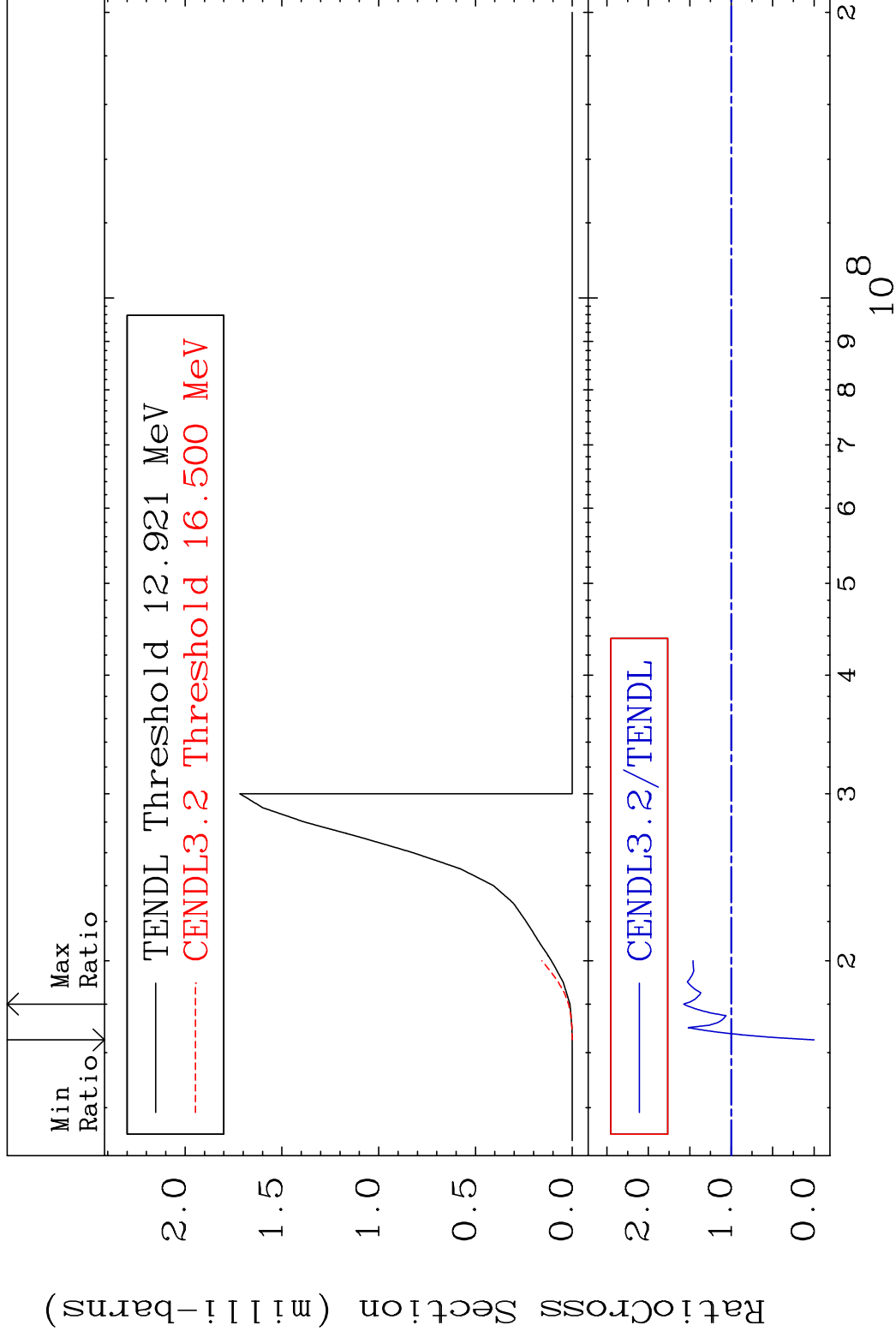
²²Ti-48

MAT 2231

(n,2p)

²²Ti-48

Cross Section -100.0 To 57.38 %

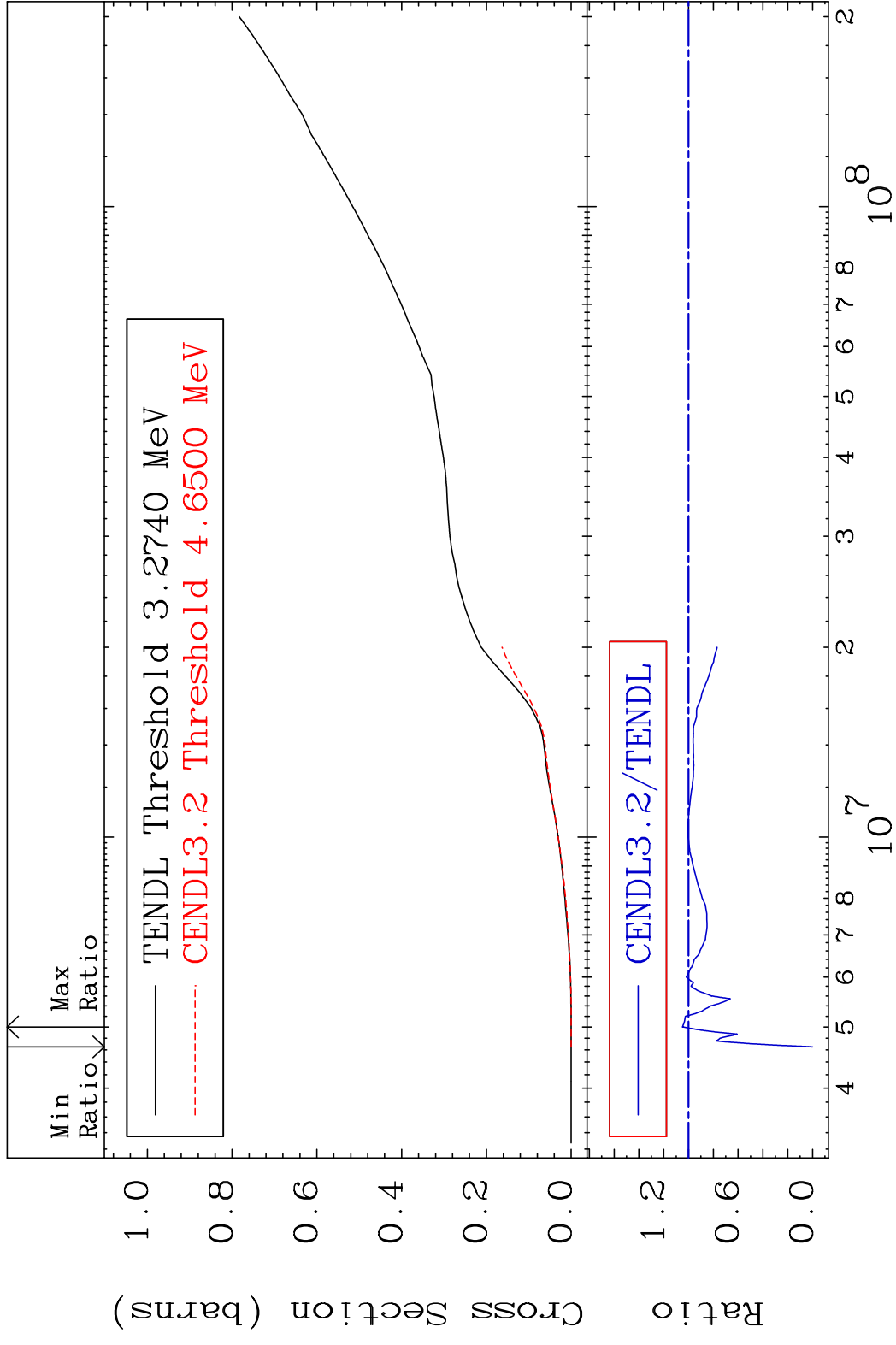


37

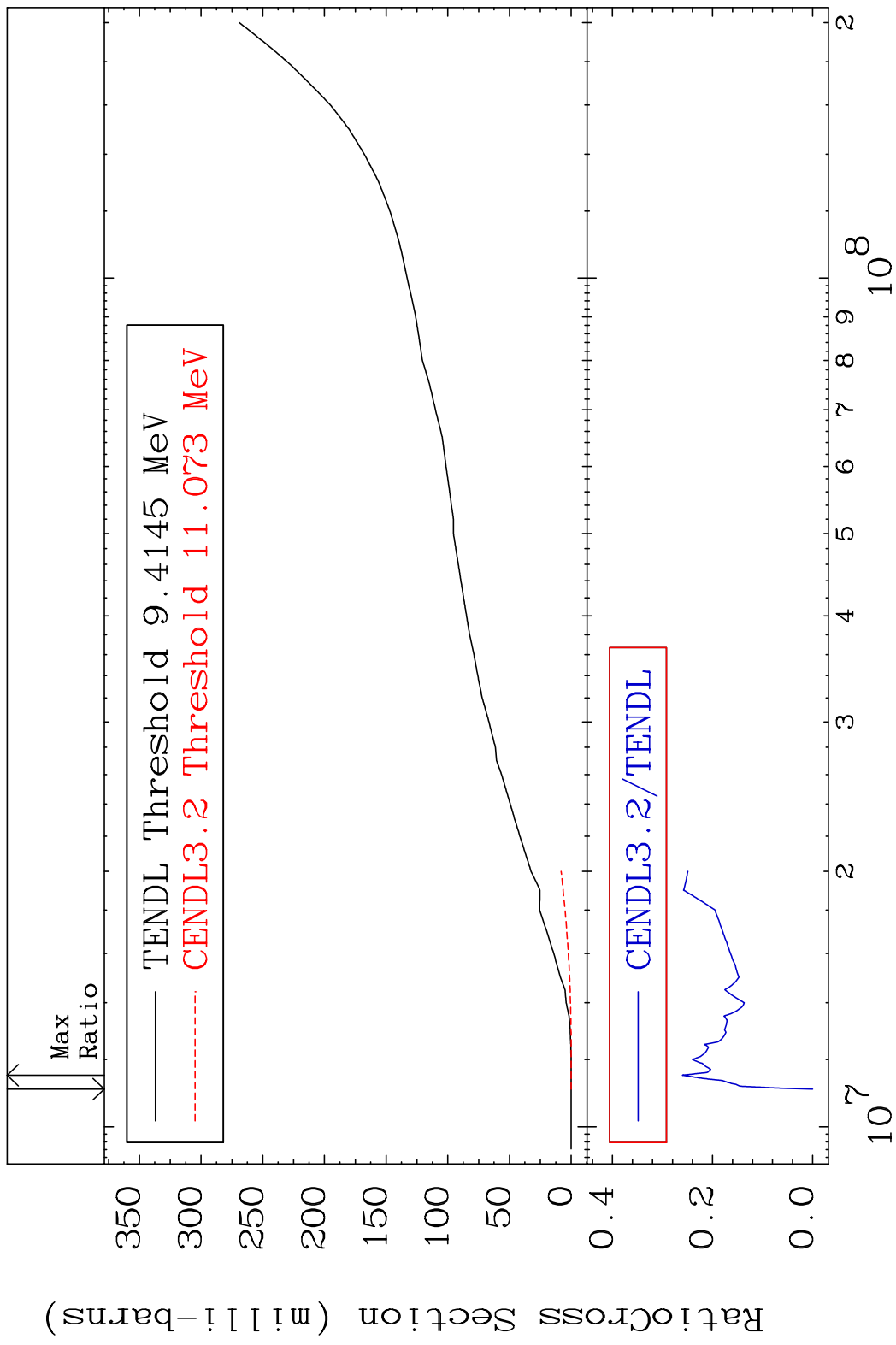
Incident Energy (eV)

²²Ti-48

MAT 2231 Hydrogen Production $^{22}\text{Ti-48}$
 Cross Section -100.0 To 4.980 %

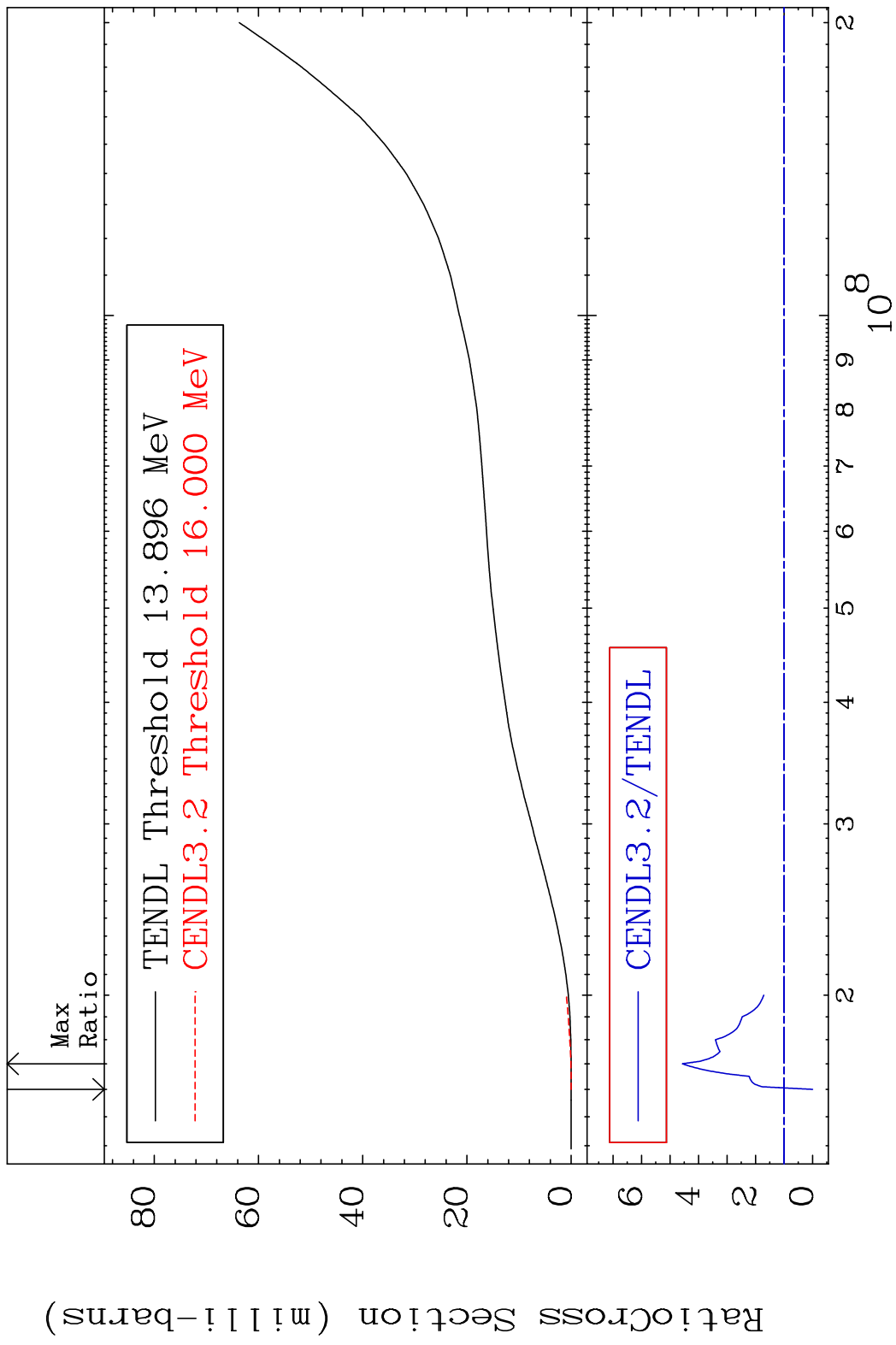


MAT 2231 Deuterium Production $^{22}\text{Ti-48}$
 Cross Section -100.0 To -73.97%



39 $^{22}\text{Ti-48}$

MAT 2231 Tritium Production 22-Ti-48
 Cross Section -100.0 To 356.8 %

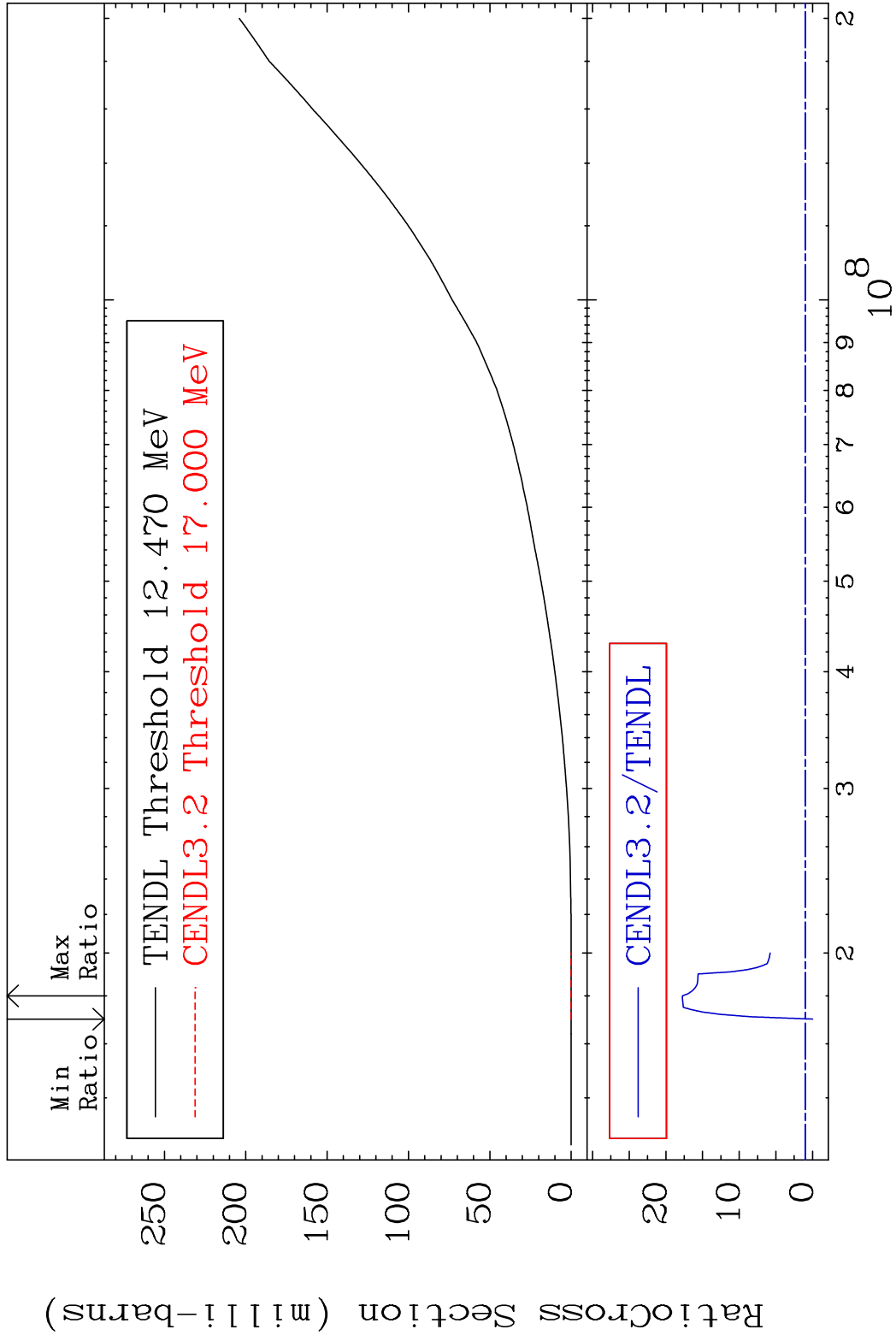


MAT 2231

He-3 Production

²²Ti-48

Cross Section -100.0 To 1675. %



41

Incident Energy (eV)

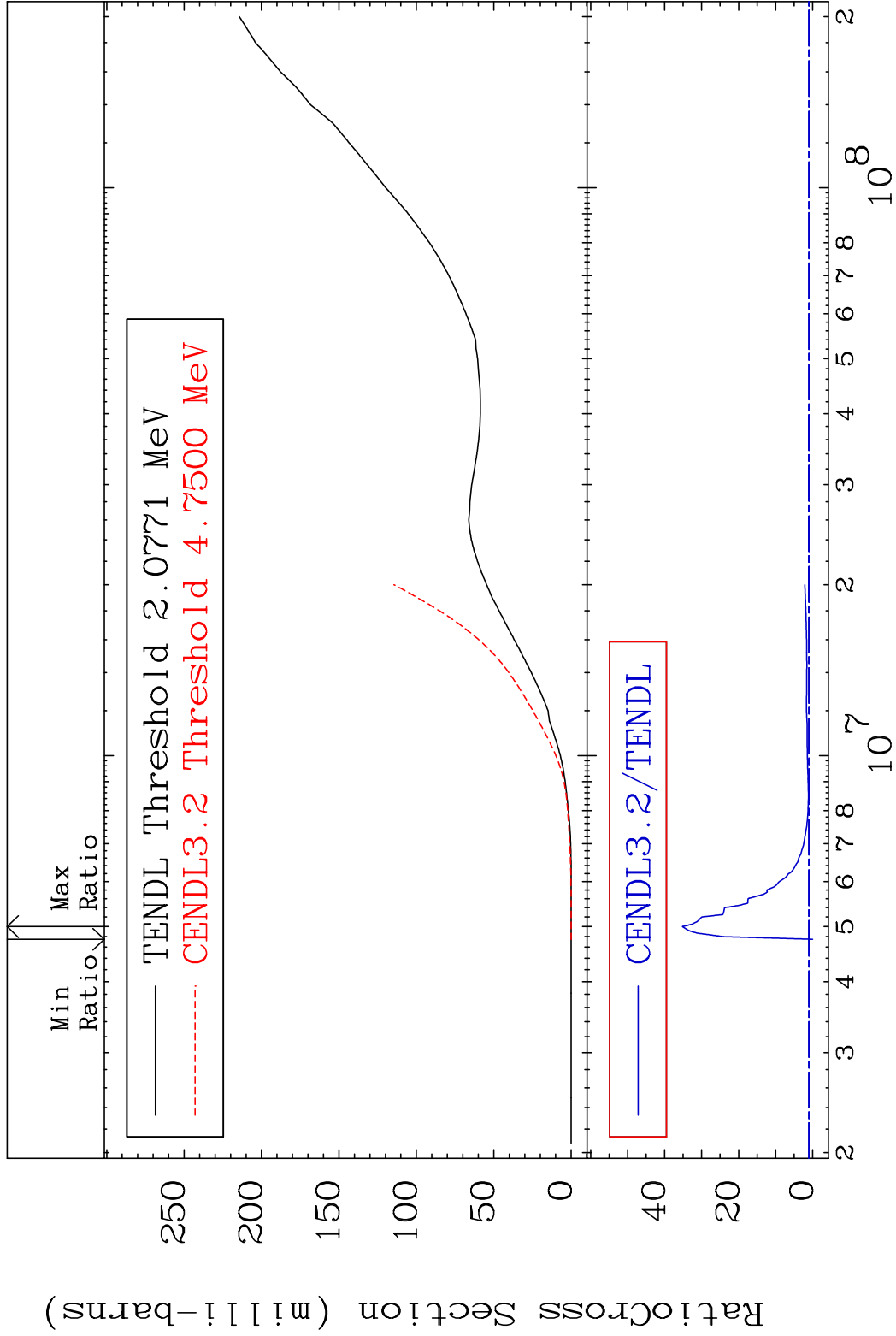
²²Ti-48

MAT 2231

He-4 Production

²²Ti-48

Cross Section -100.0 To 3422. %

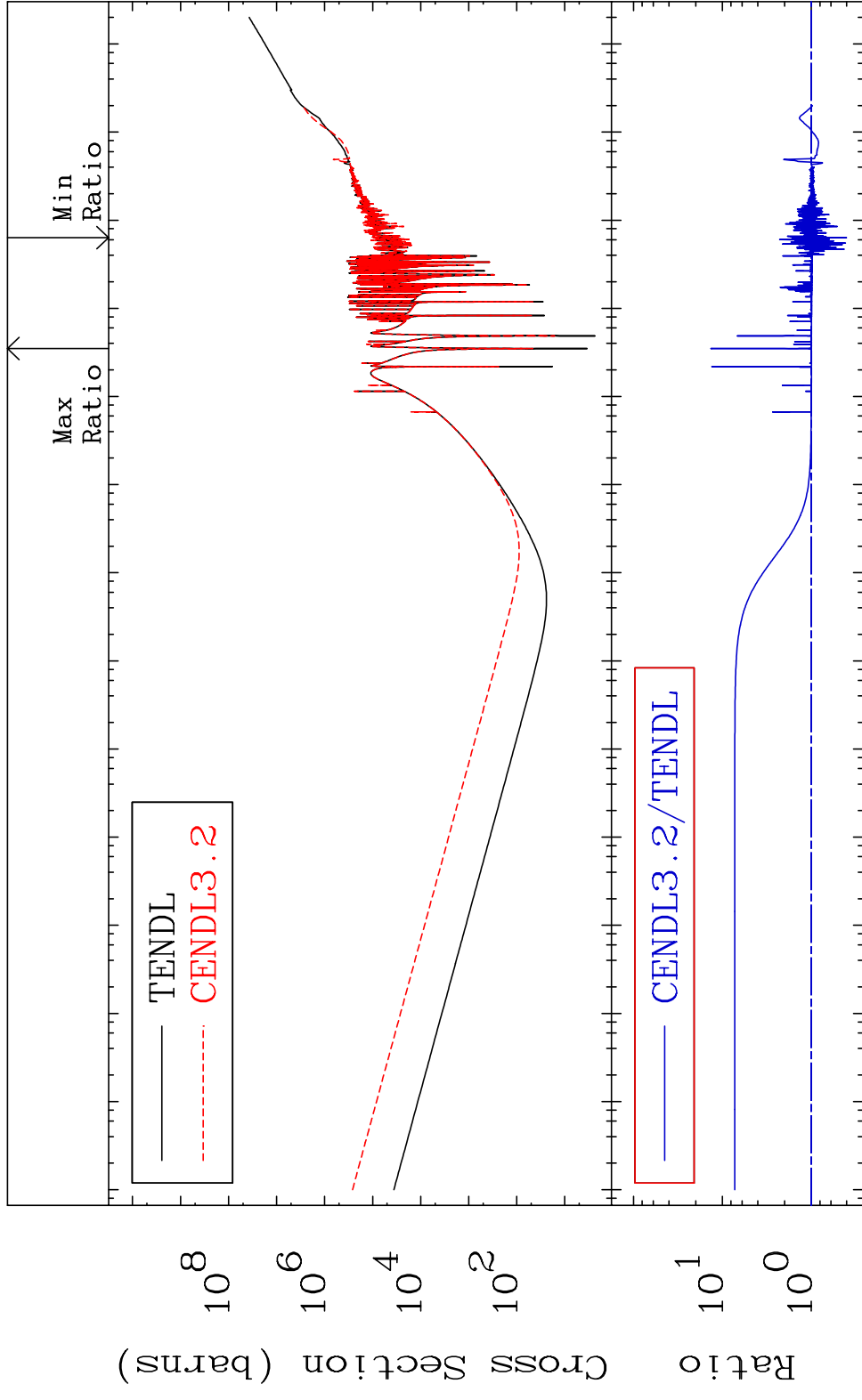


42

Incident Energy (eV)

²²Ti-48

MAT 2231 Kerma total (eV-barns) 22-Ti-48
 Cross Section -59.65 To 1254. %



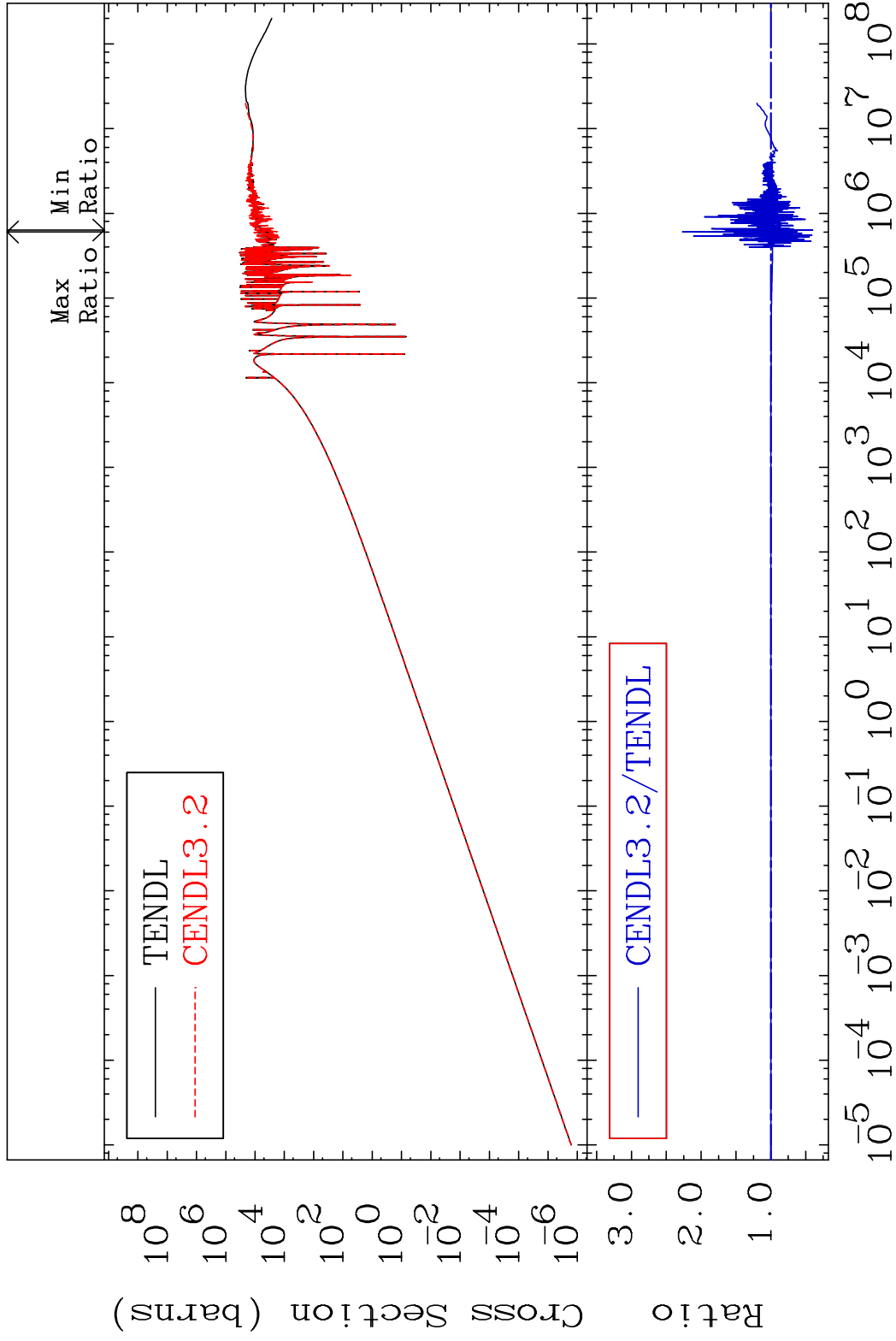
43 Incident Energy (eV) 22-Ti-48

MAT 2231

Kerma elastic

22-Ti-48

Cross Section -59.77 To 127.0 %

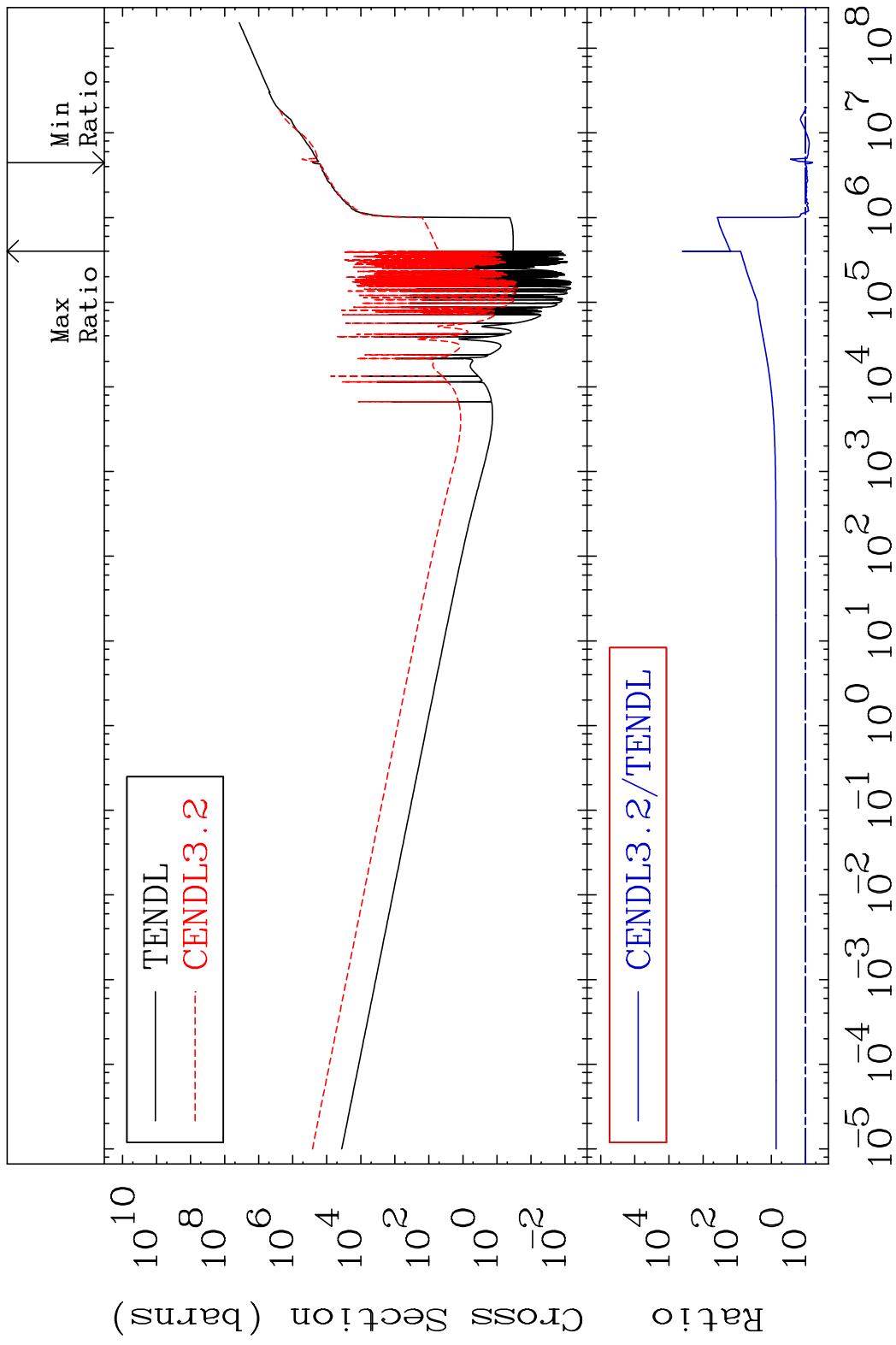


44

Incident Energy (eV)

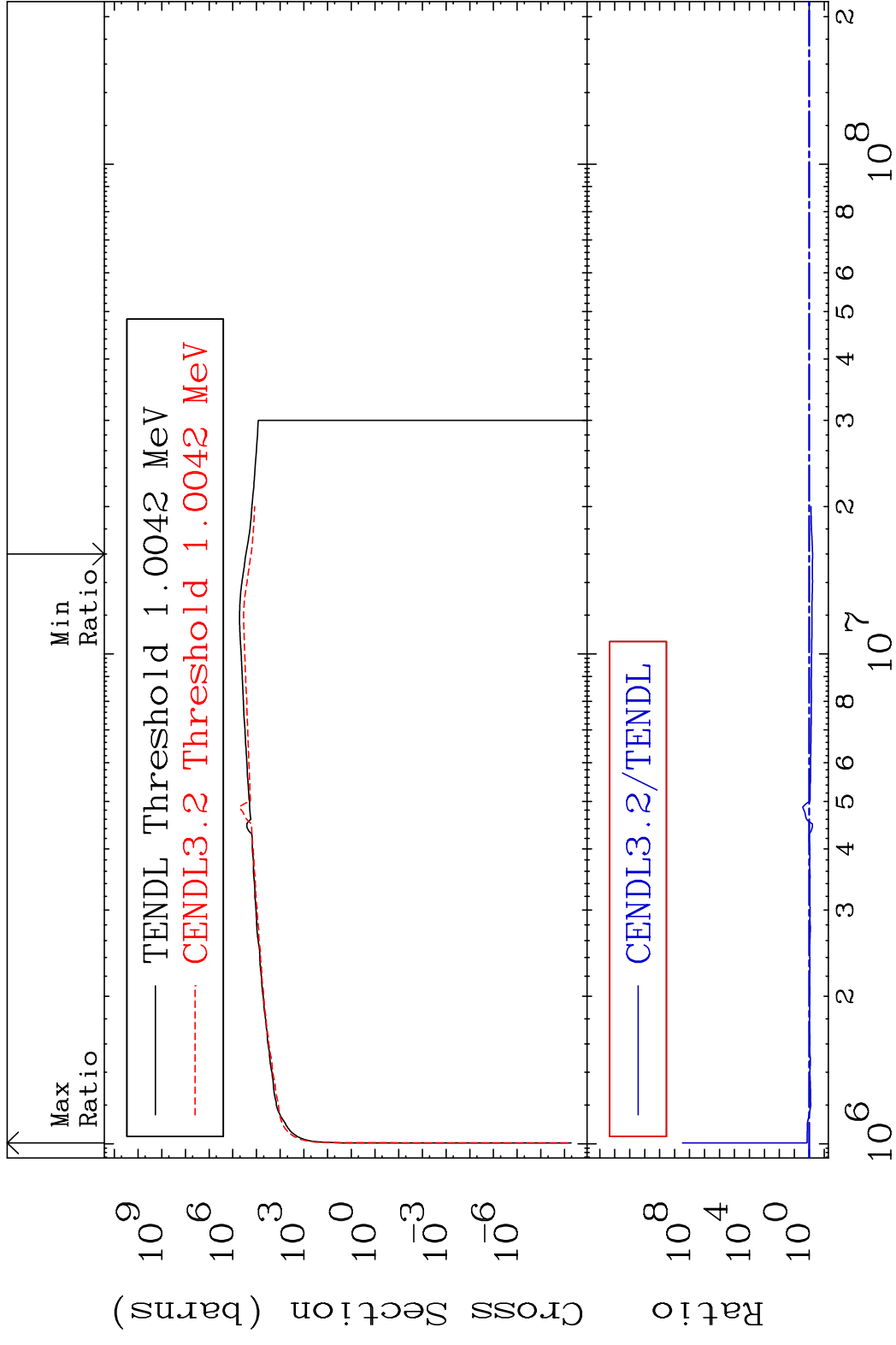
22-Ti-48

MAT 2231 Kerma non-elastic (all but mt2) 22-Ti-48
 Cross Section -38.09 To 9999. %



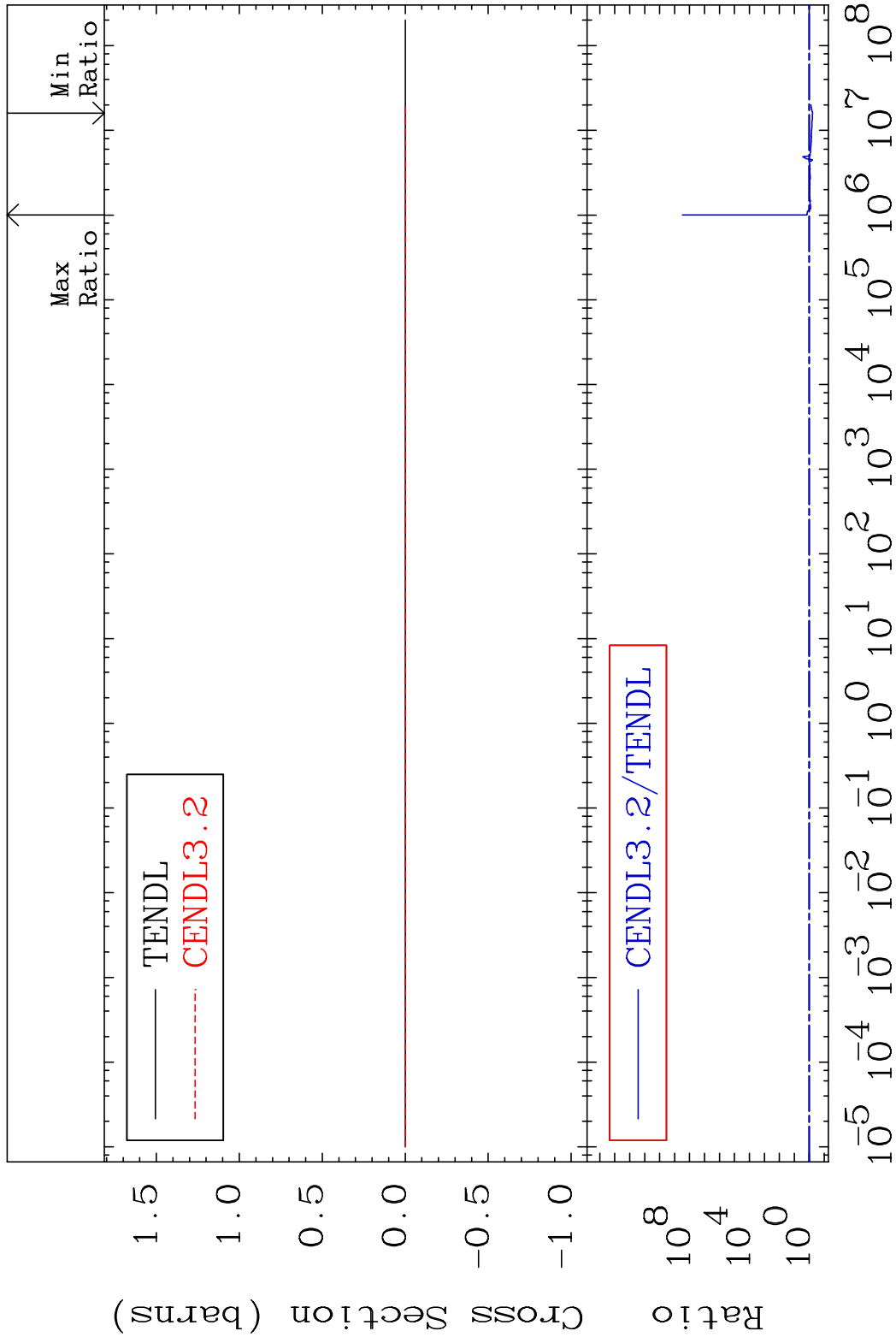
45 Incident Energy (eV) 22-Ti-48

MAT 2231 Kerma inelastic (mt51-91) 22-Ti-48
 Cross Section -39.60 To 9999. %

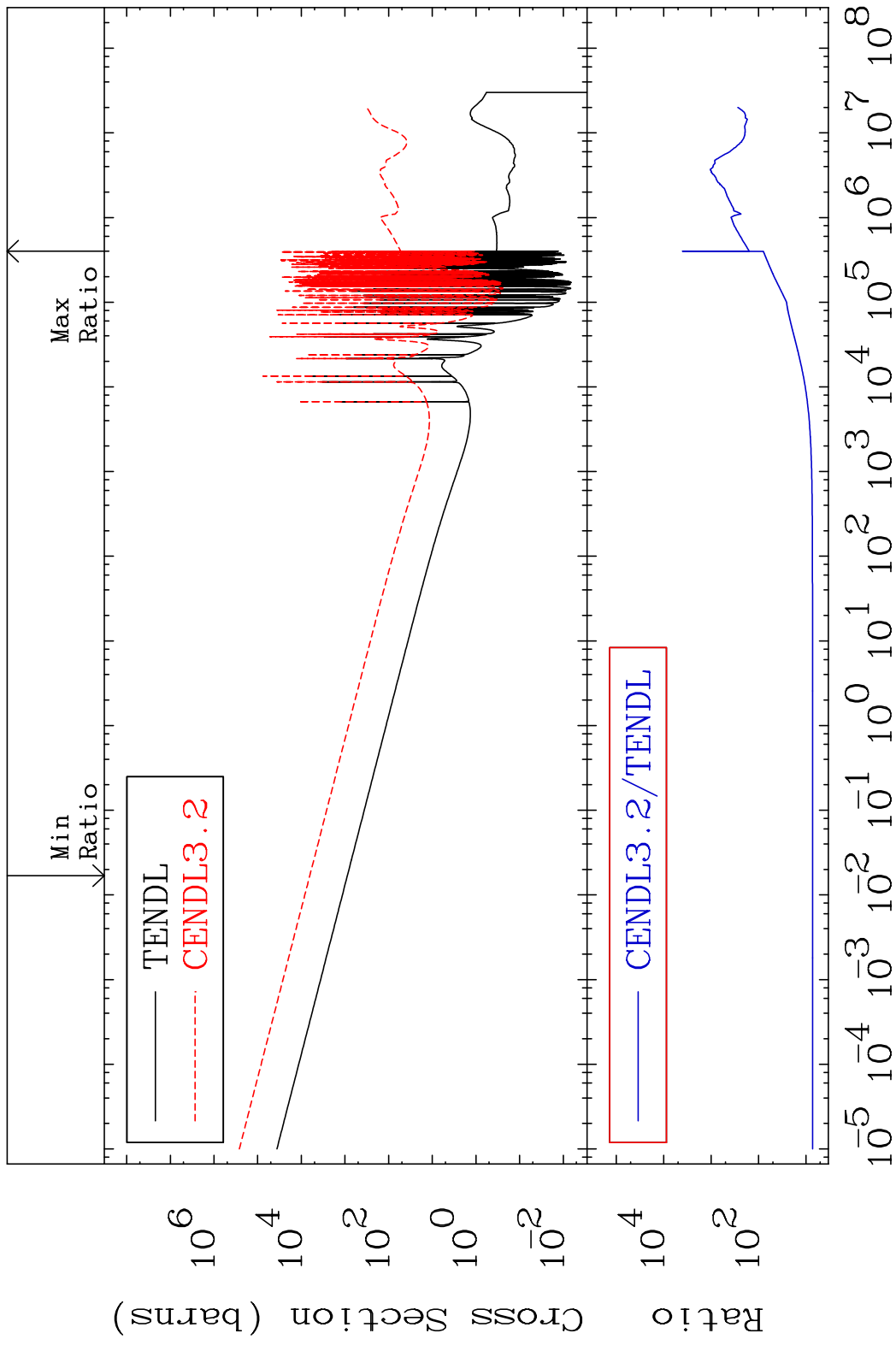


46 Incident Energy (eV) 22-Ti-48

MAT 2231 Kerma fission (mt18 or mt19-20-21-38) 22-Ti-48
 Cross Section -39.60 To 9999. %

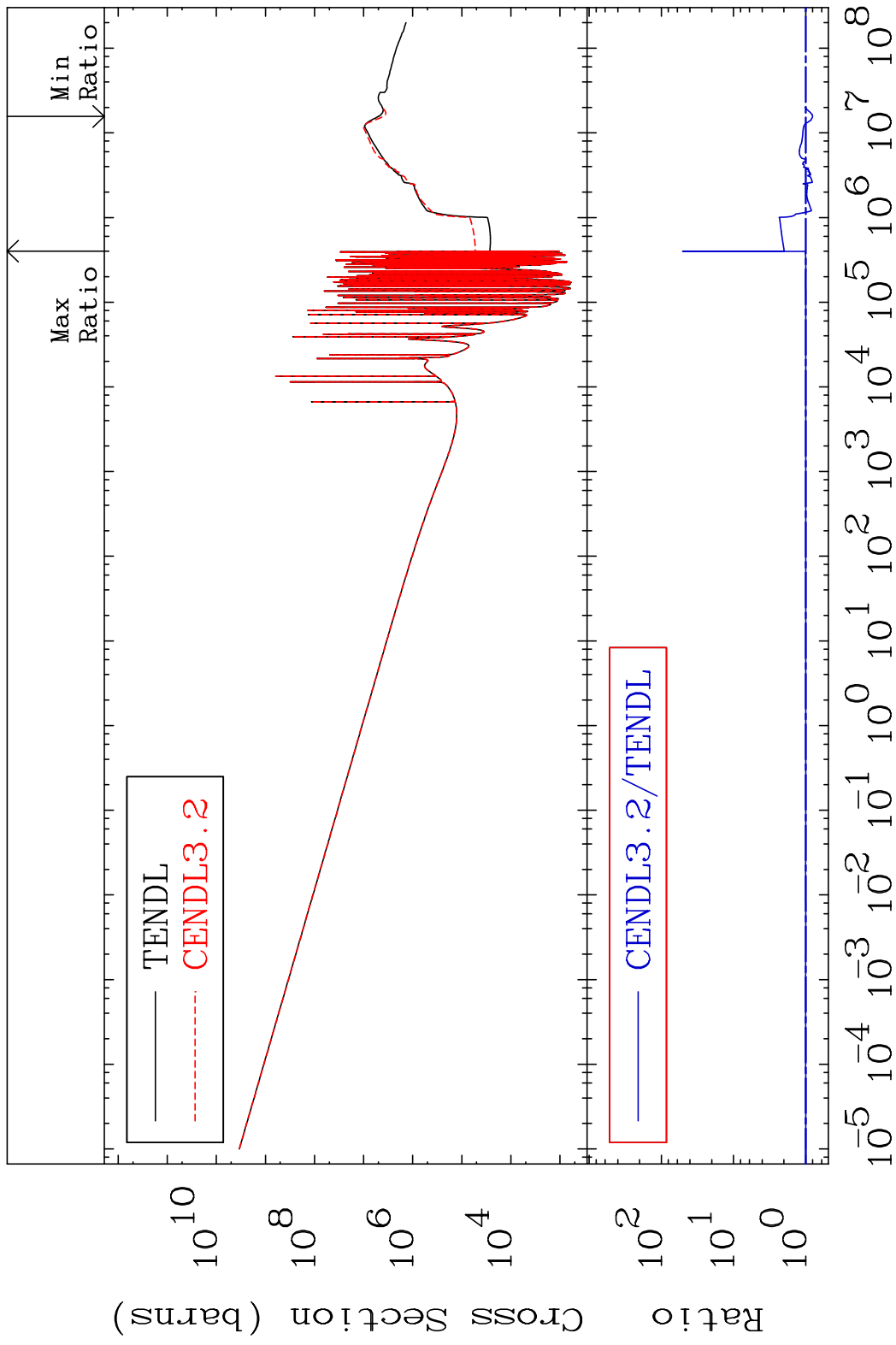


MAT 2231 Kerma capture (mt102) 22-Ti-48
 Cross Section 625.4 To 9999. %



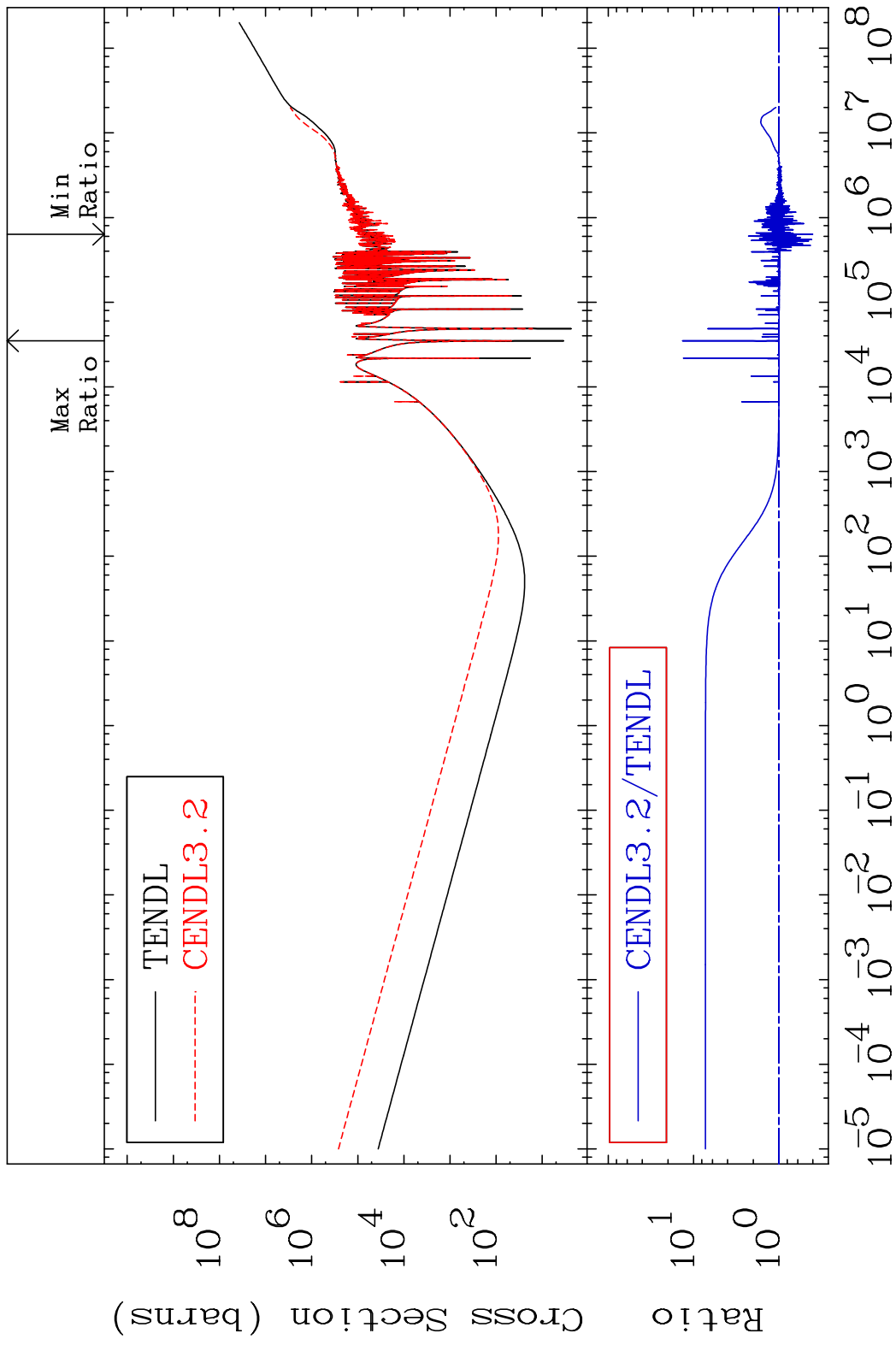
48 Incident Energy (eV) 22-Ti-48

MAT 2231 Total photon (eV-barns) 22-Ti-48
 Cross Section -19.76 To 5008. %



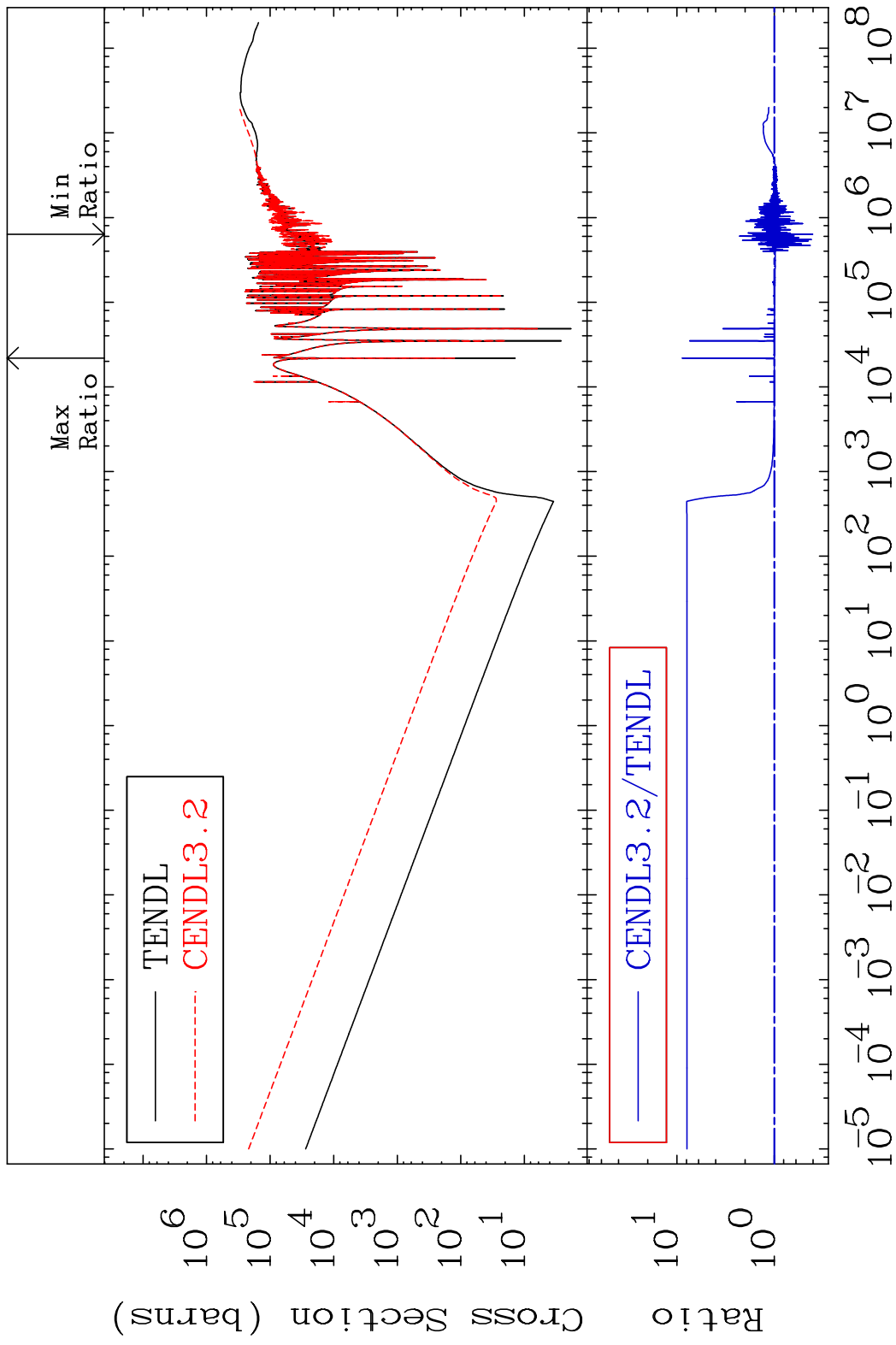
49 Incident Energy (eV) 22-Ti-48

MAT 2231 Total kinematic kerma (high limit) 22-Ti-48
 Cross Section -59.65 To 1254. %

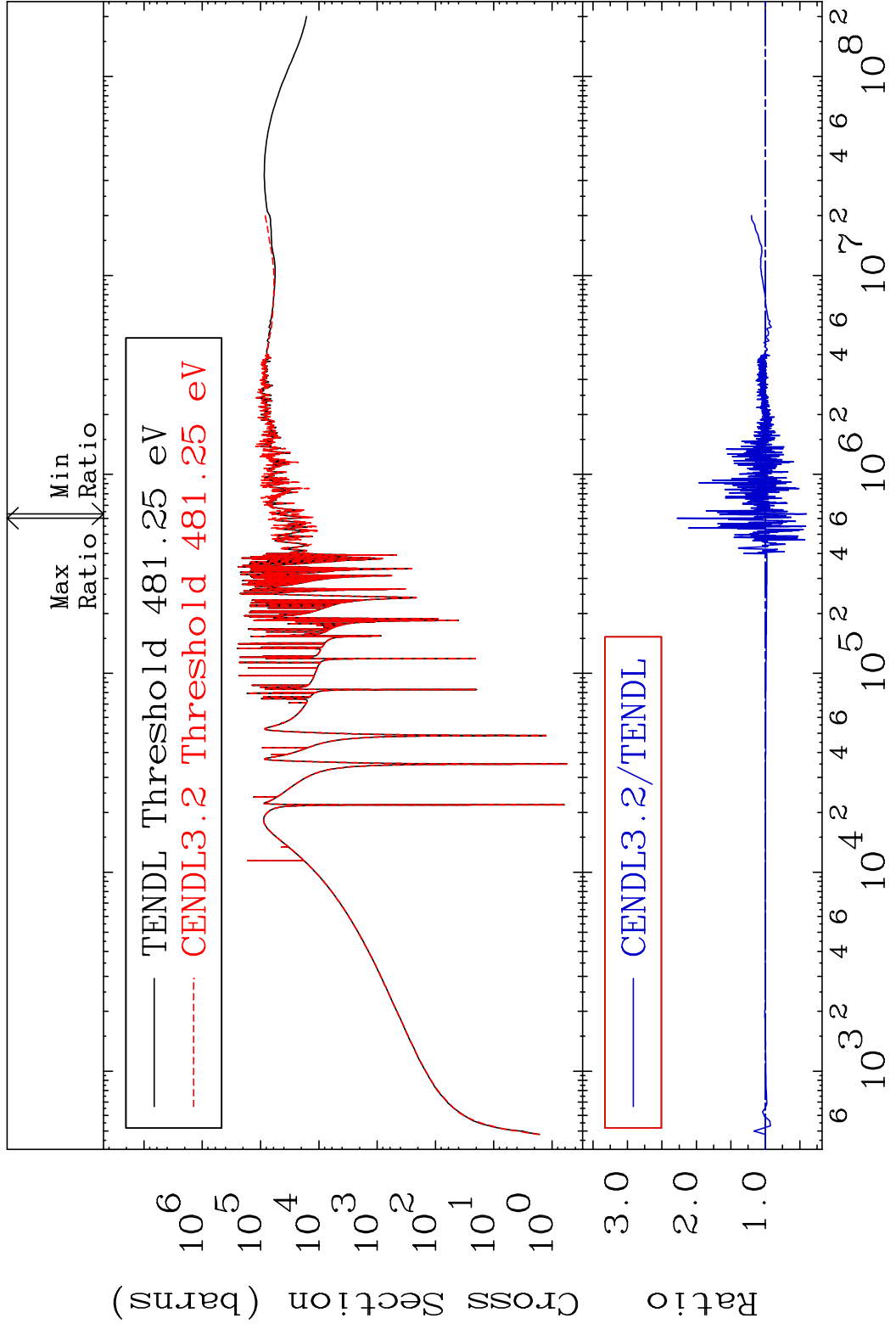


50 Incident Energy (eV) 22-Ti-48

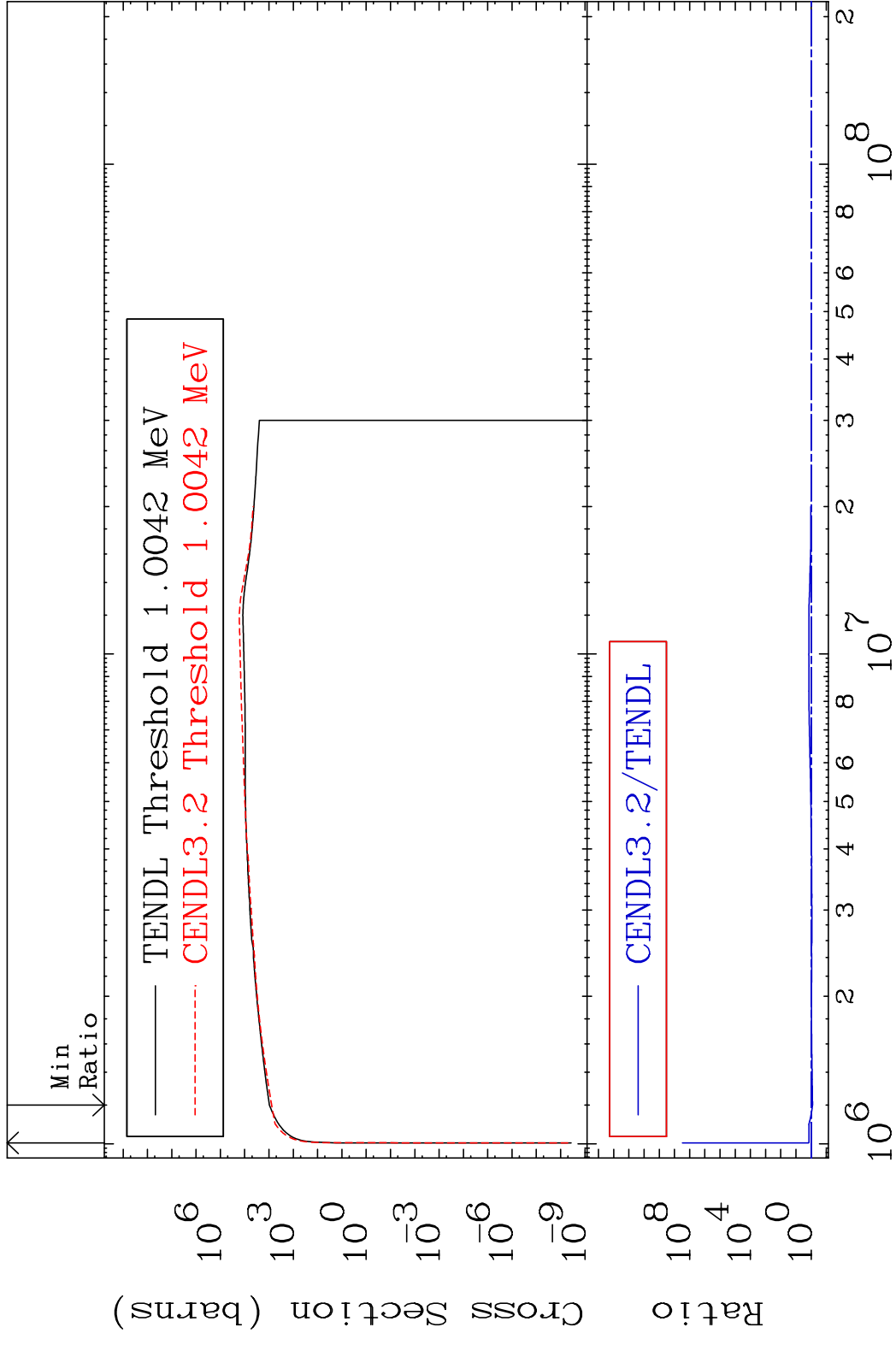
MAT 2231 Dpa total (eV-barns) 22-Ti-48
 Cross Section -59.60 To 781.5 %



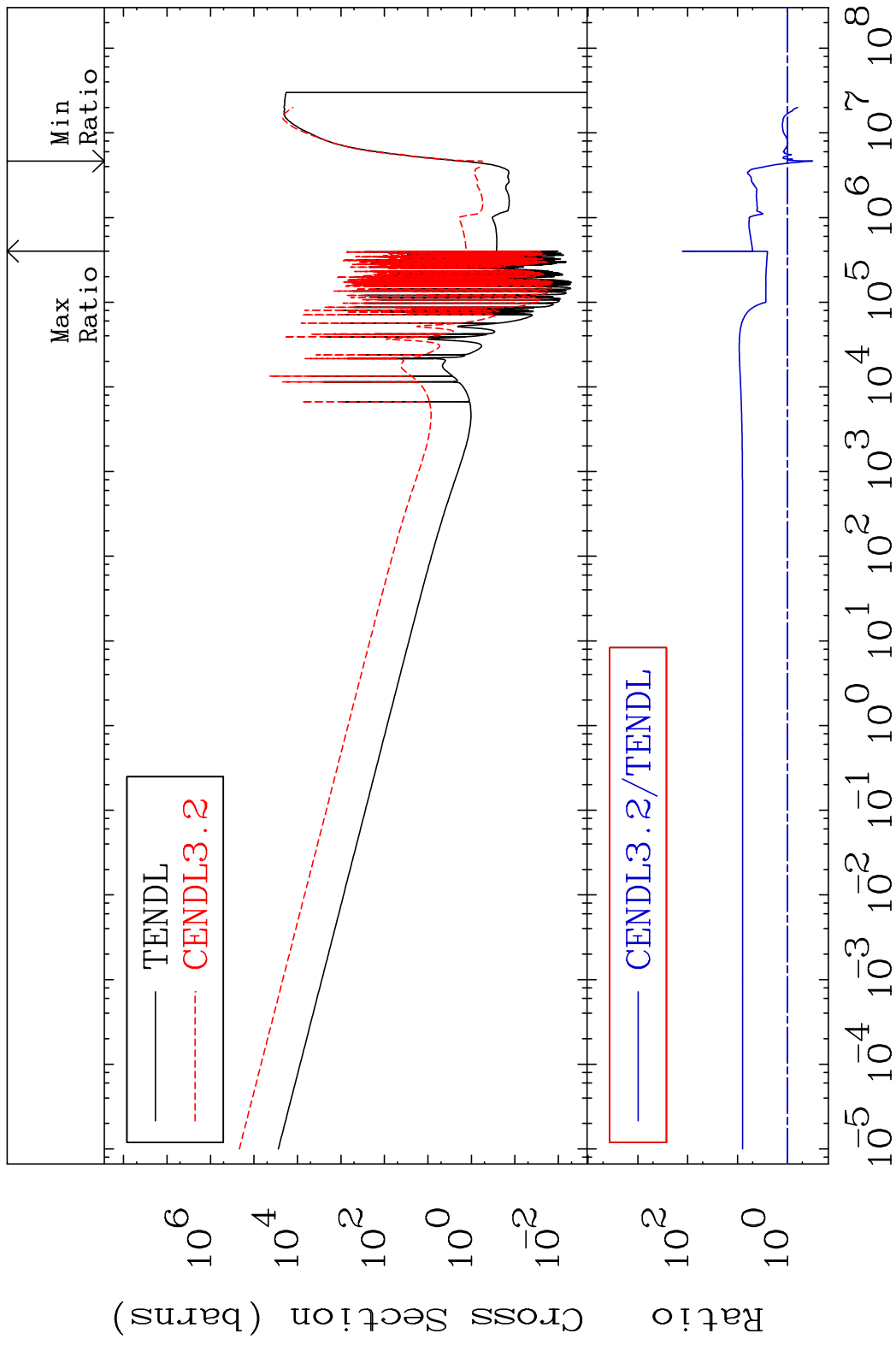
MAT 2231 Dpa elastic (mt2) 22-Ti-48
 Cross Section -59.60 To 127.8 %



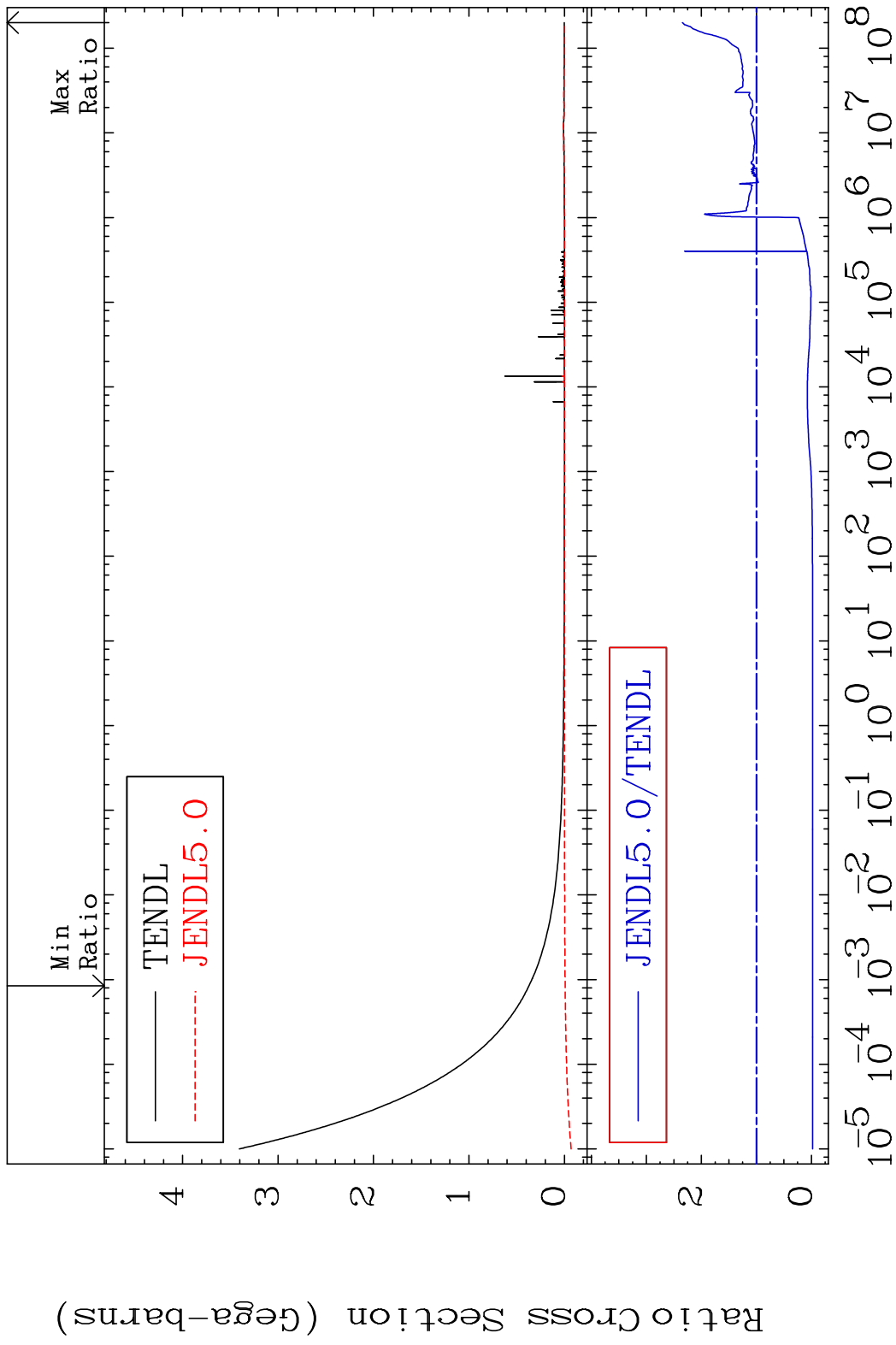
MAT 2231 Dpa inelastic (mt51-91) 22-Ti-48
 Cross Section -19.11 To 9999. %



MAT 2231 Dpa disappearance (mt102 -120) 22-Ti-48
 Cross Section -68.66 To 9999. %

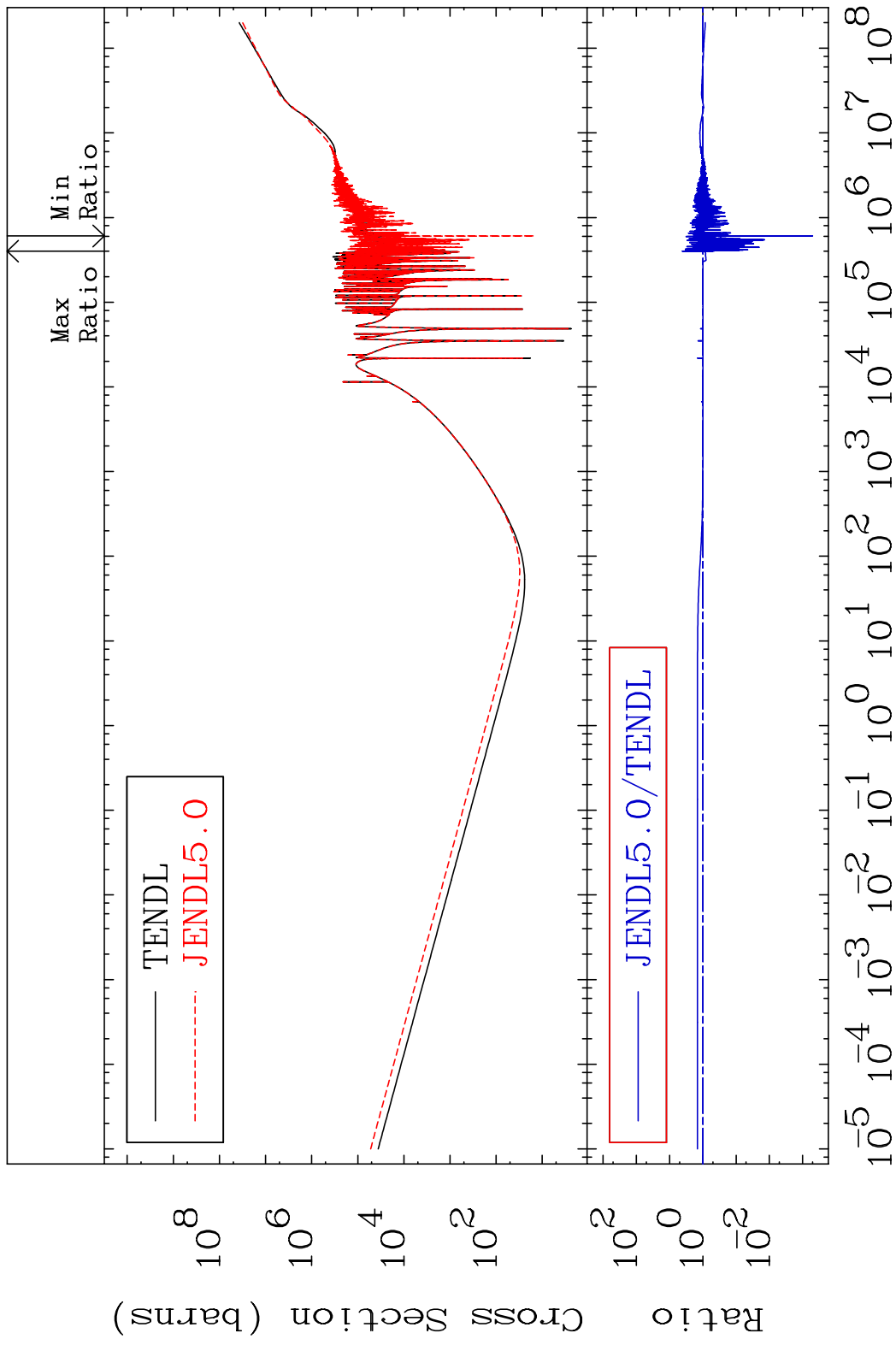


MAT 2231 Total photon (eV-barns) 22-Ti-48
Cross Section -102.1 To 134.6 %



55 Incident Energy (eV) 22-Ti-48

MAT 2231 Total kinematic kerma (high limit) 22-Ti-48
 Cross Section -99.95 To 313.7 %

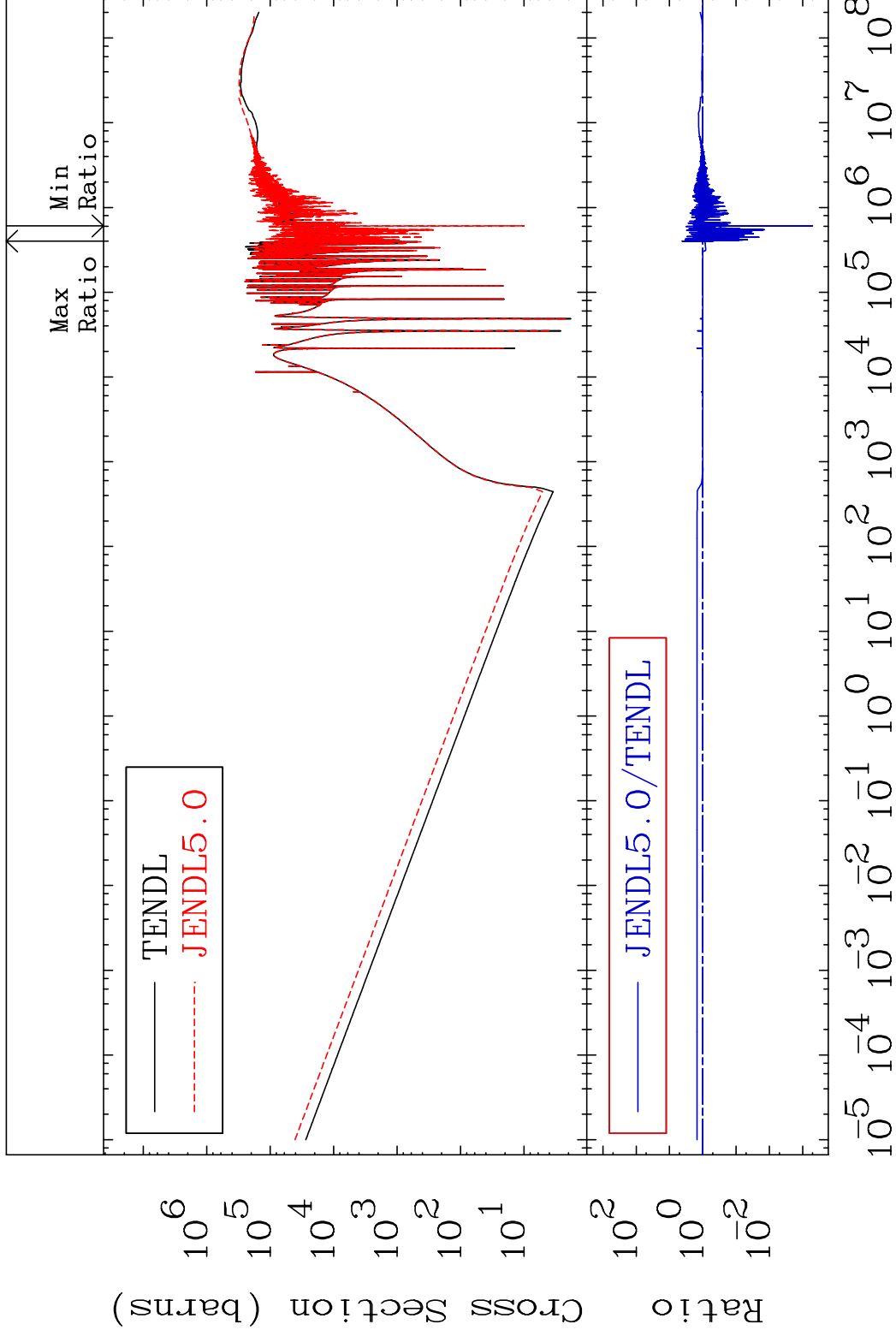


MAT 2231

Dpa total (eV-barns)

22-Ti-48

Cross Section -99.95 To 316.3 %



57

Incident Energy (eV)

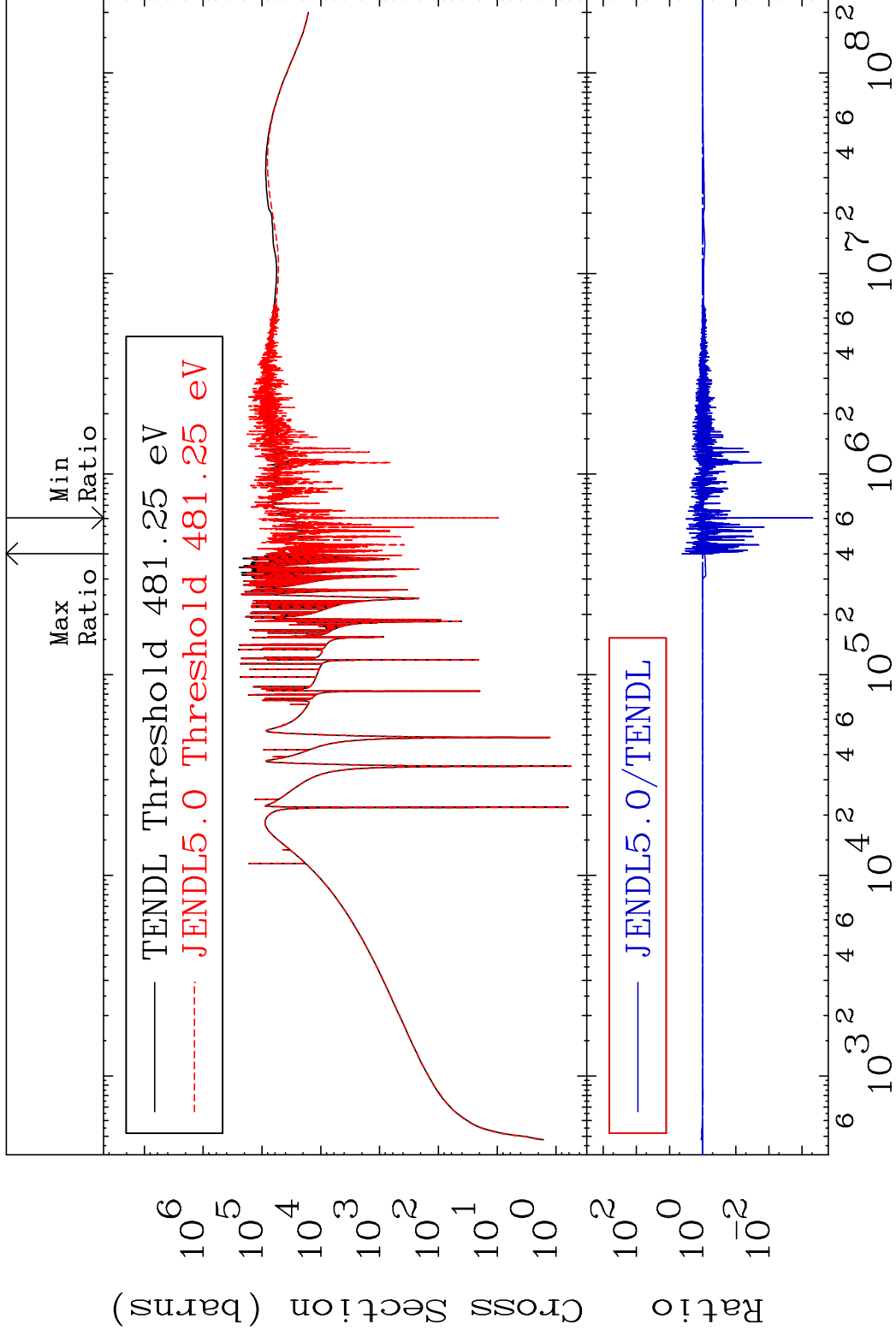
22-Ti-48

MAT 2231

Dpa elastic (mt2)

22-Ti-48

Cross Section -99.95 To 316.3 %

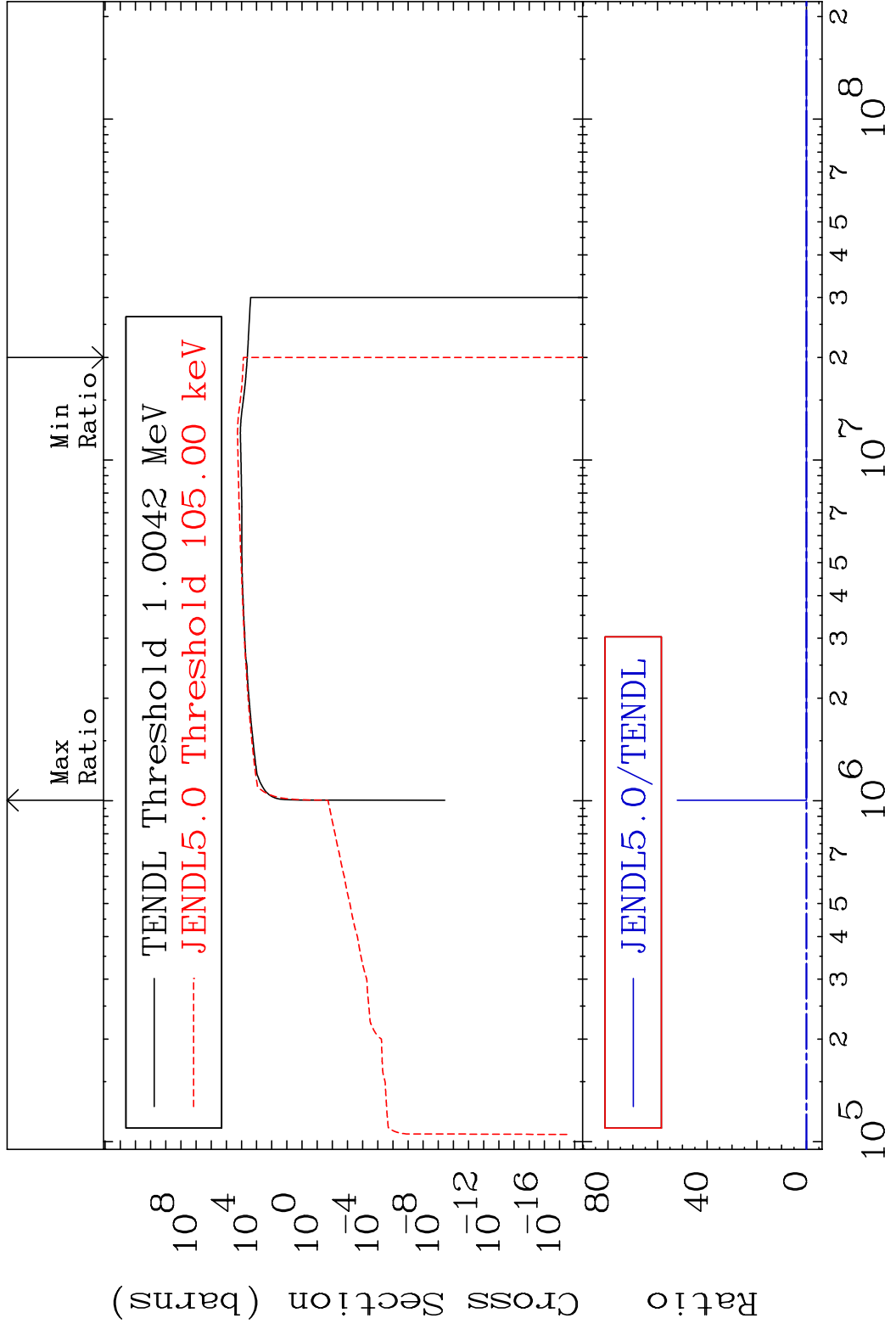


58

Incident Energy (eV)

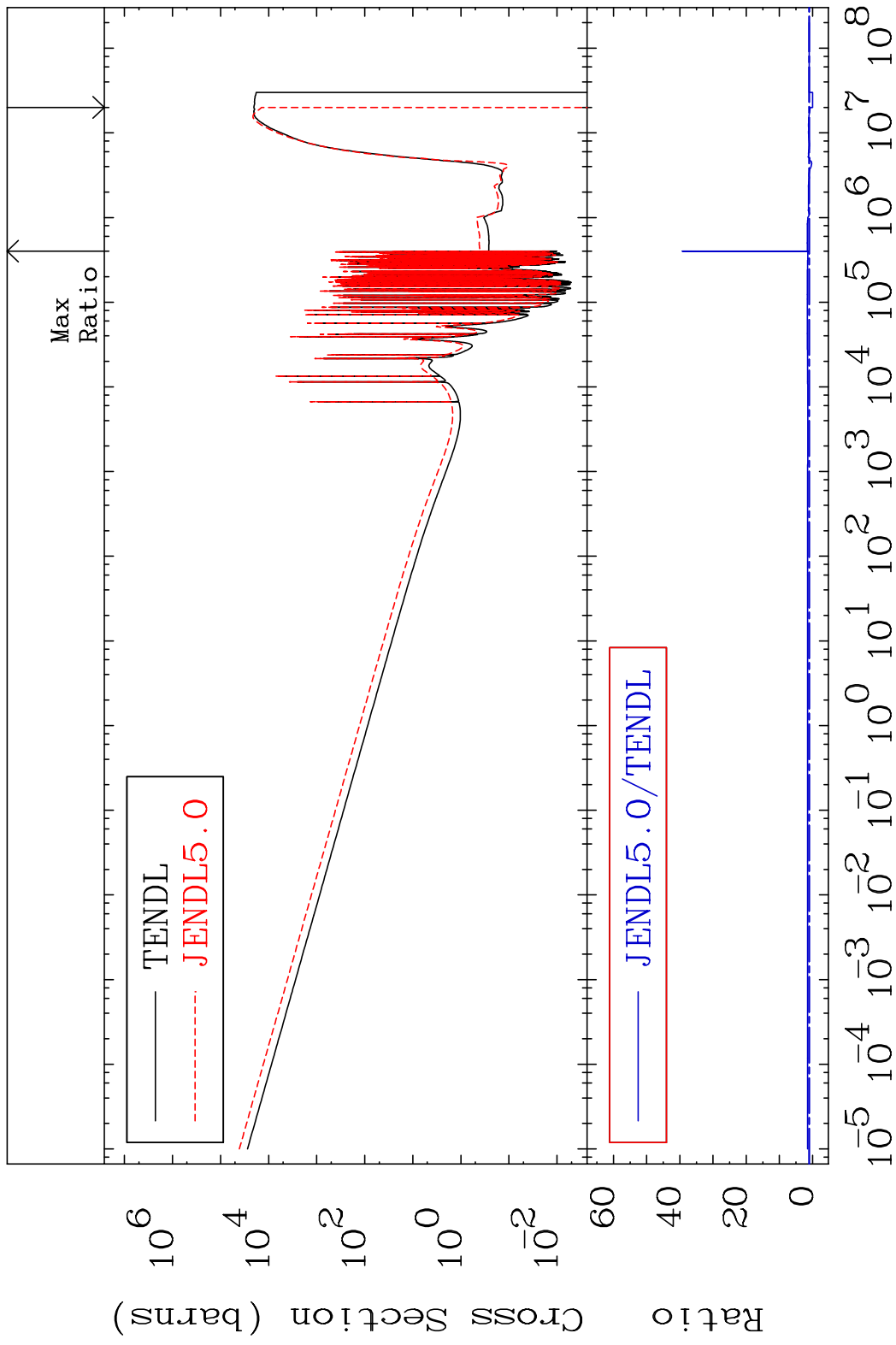
22-Ti-48

MAT 2231 Dpa inelastic (mt51-91) 22-Ti-48
 Cross Section -100.0 To 9999. %



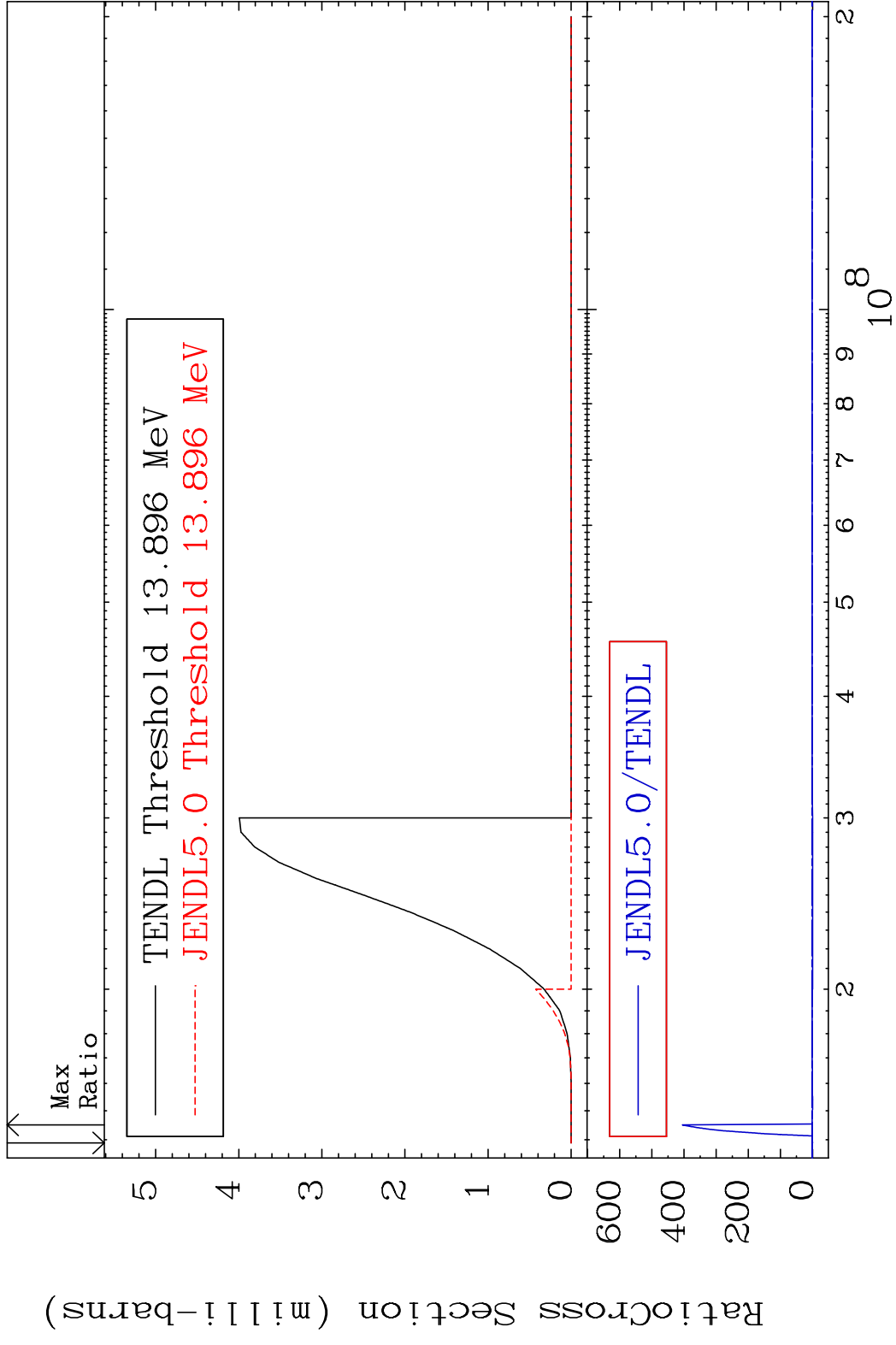
59 Incident Energy (eV) 22-Ti-48

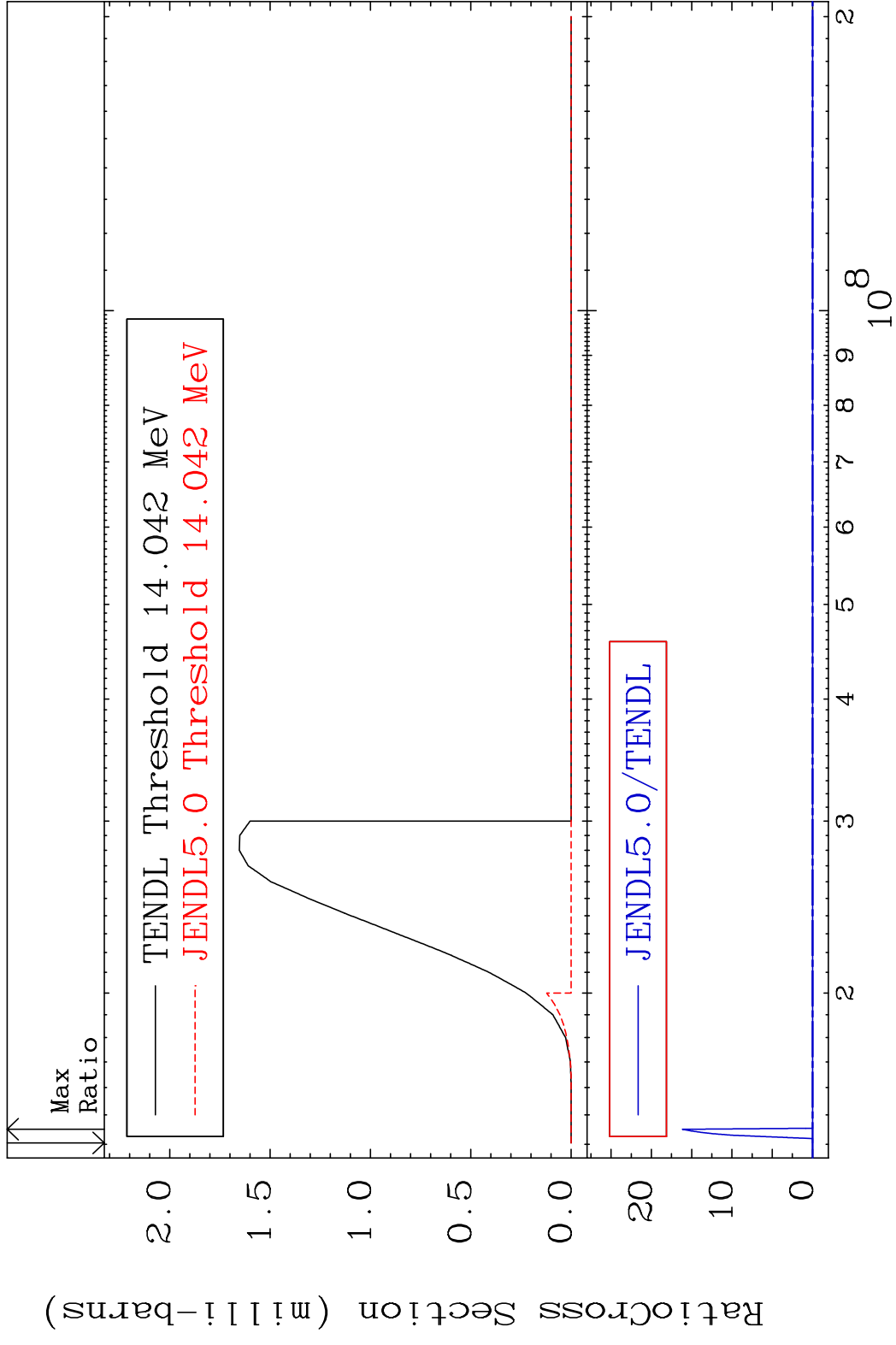
MAT 2231 Dpa disappearance (mt102 -120) 22-Ti-48
 Cross Section -100.0 To 3824. %



60 Incident Energy (eV) 22-Ti-48

MAT 2231 (n, t):21-Sc-46g 22-Ti-48
 Radionuclide Production Cross Section Ratio

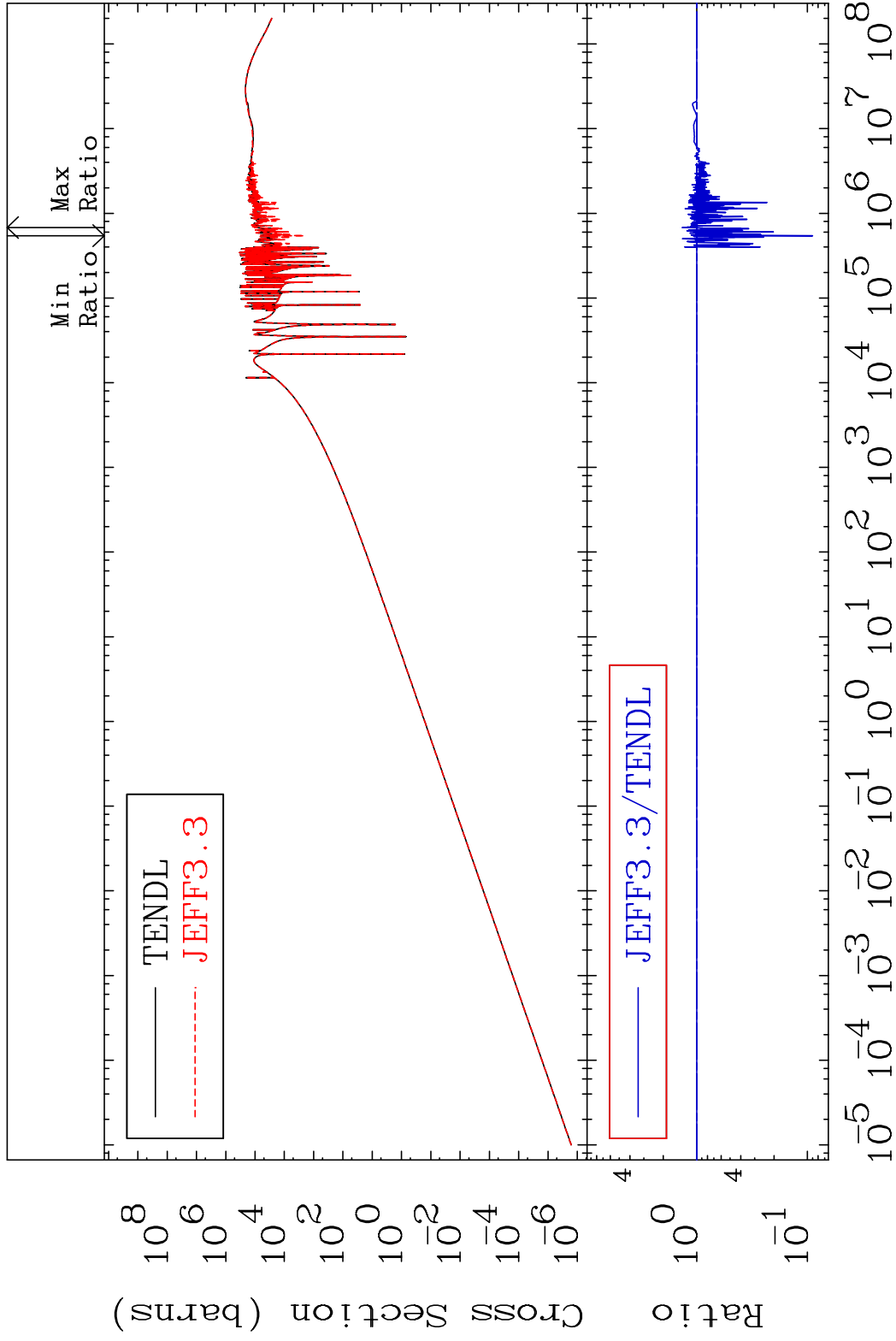




MAT 2231

Kerma elastic
Cross Section

22-Ti-48
-91.01 To 34.59 %

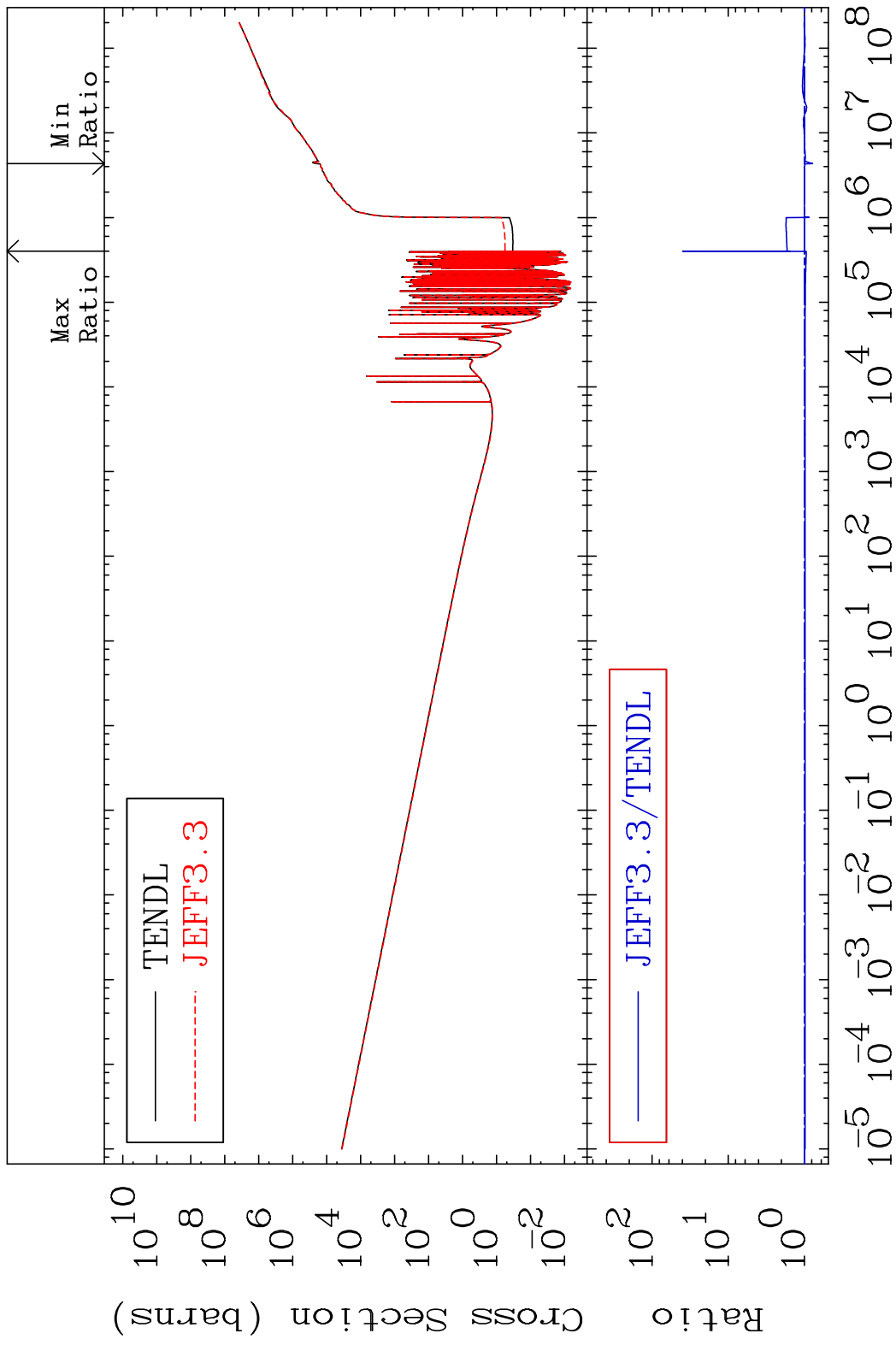


63

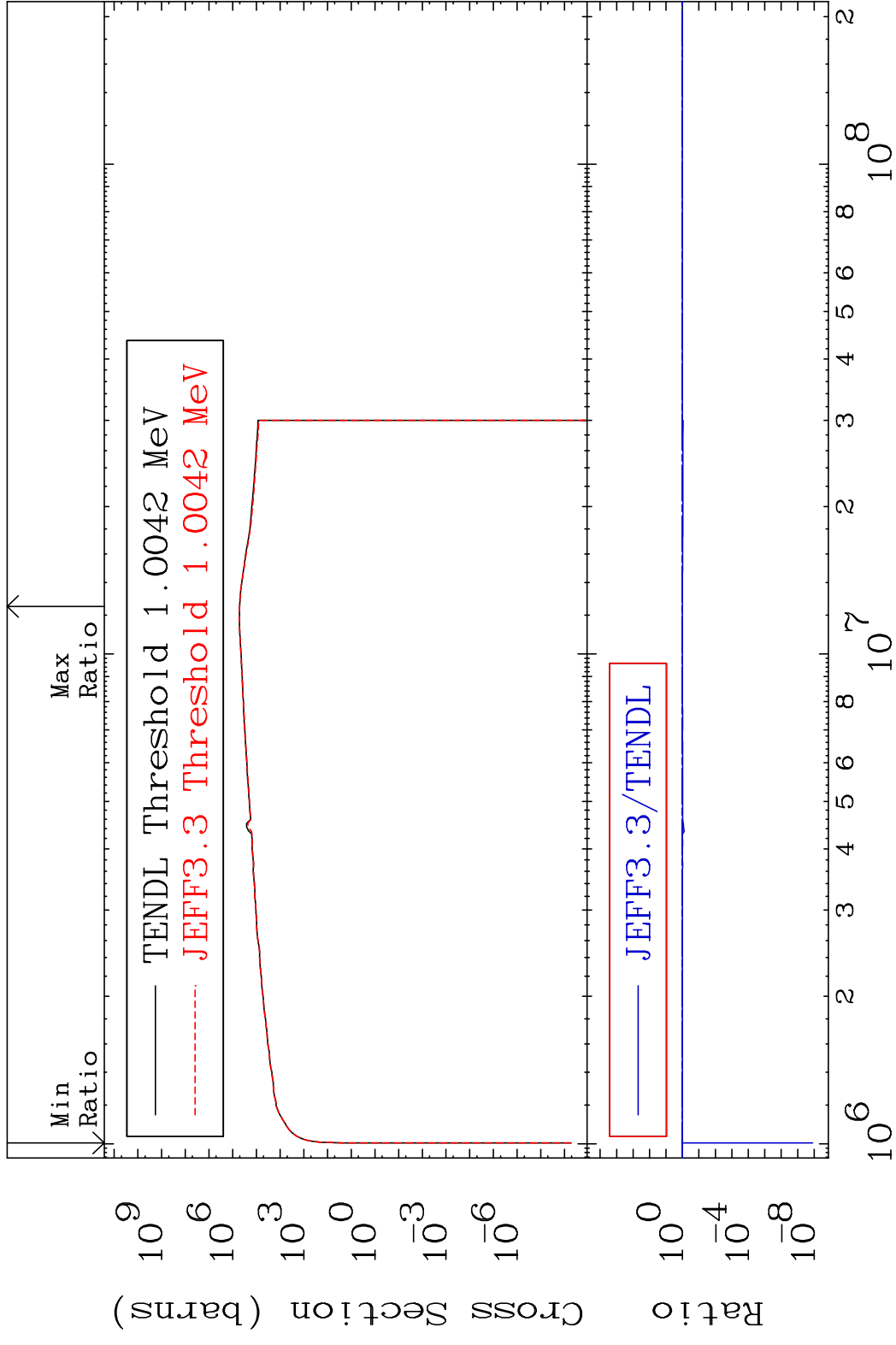
Incident Energy (eV)

22-Ti-48

MAT 2231 Kerma non-elastic (all but mt2) 22-Ti-48
 Cross Section -21.92 To 3904. %

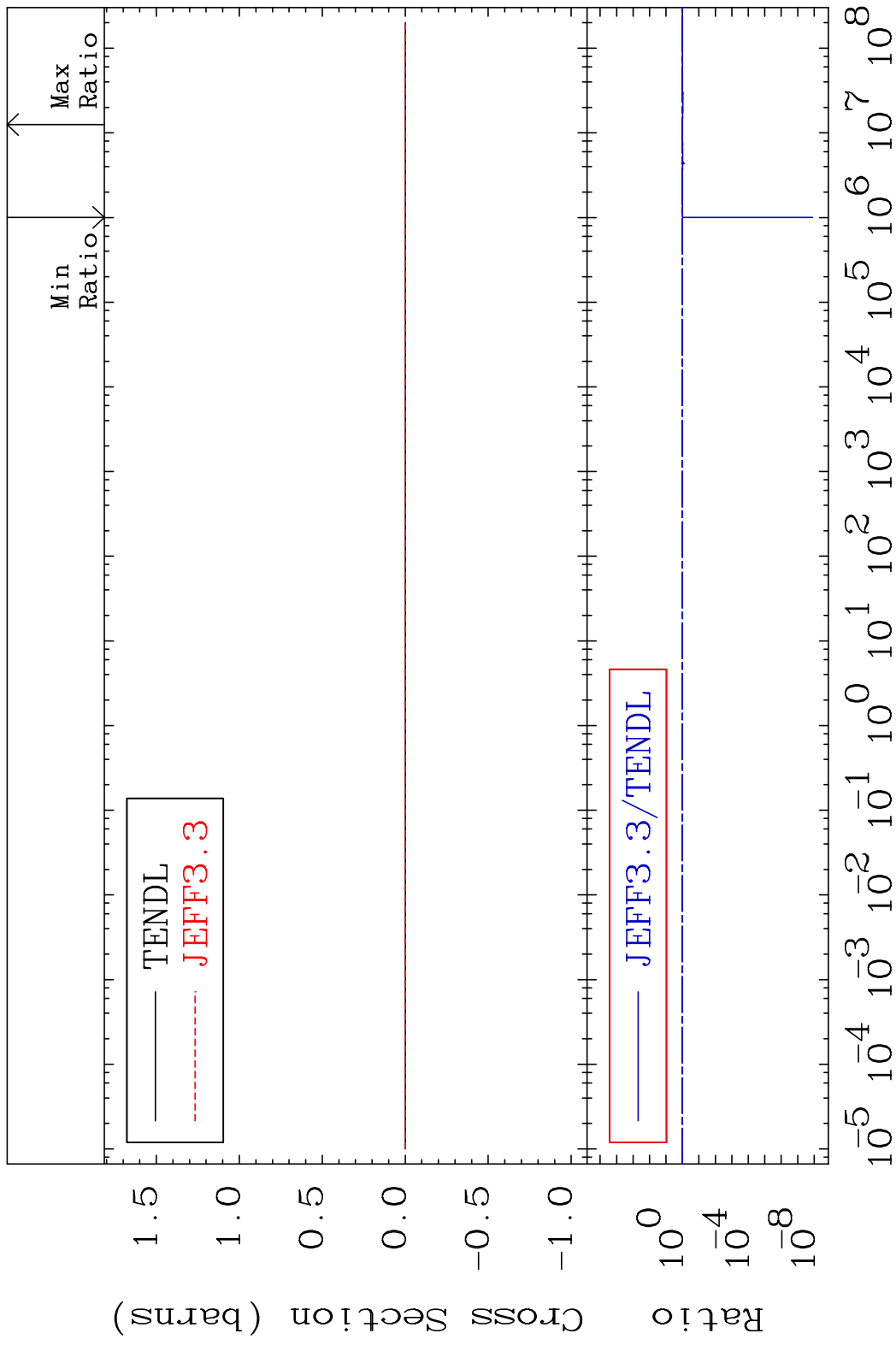


MAT 2231 Kerma inelastic (mt51-91) 22-Ti-48
 Cross Section -100.0 To 1.432 %



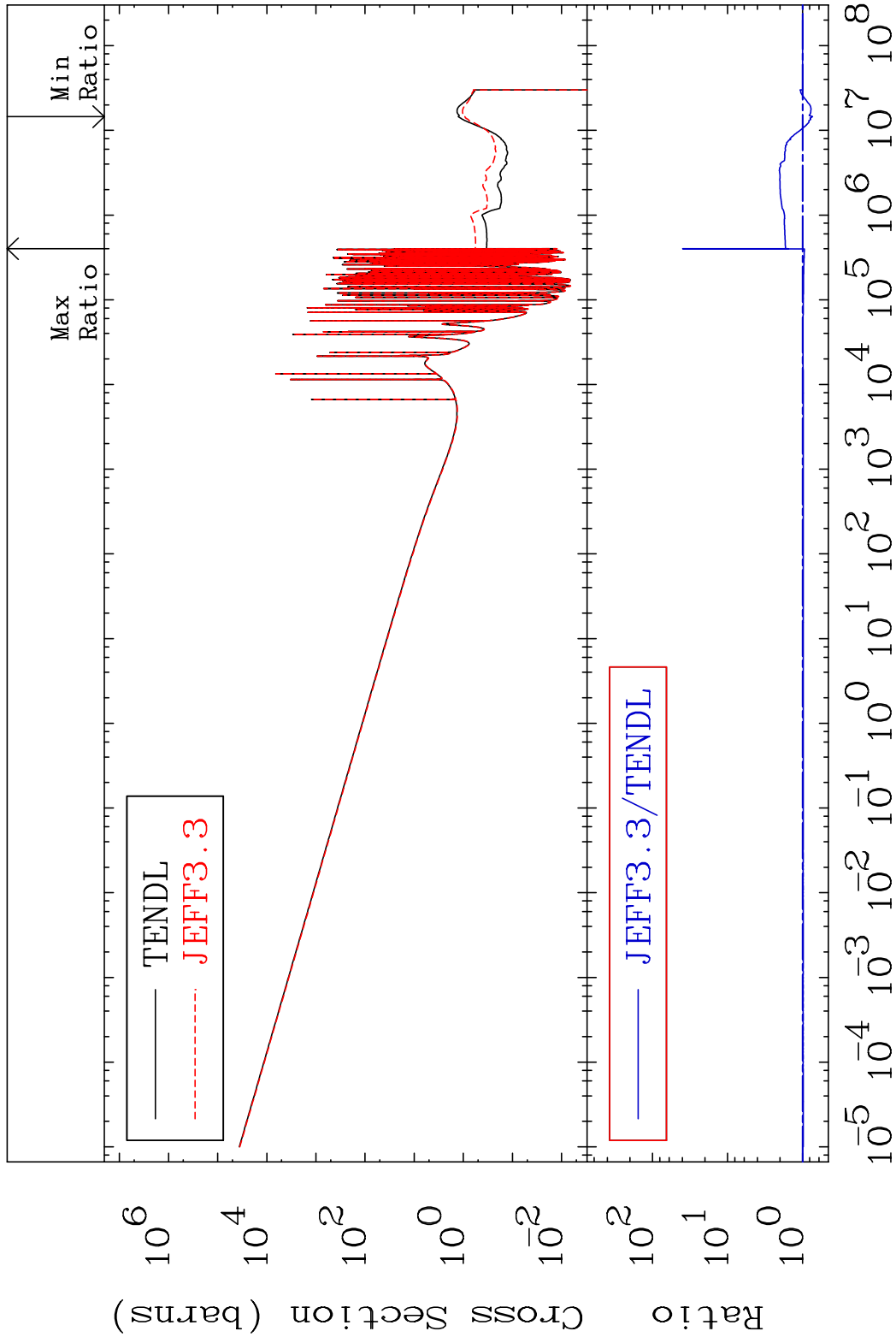
65 Incident Energy (eV) 22-Ti-48

MAT 2231 Kerma fission (mt18 or mt19-20-21-38) 22-Ti-48
 Cross Section -100.0 To 1.432 %



MAT 2231

Kerma capture (mt102) 22-Ti-48
Cross Section -26.63 To 3904. %



67

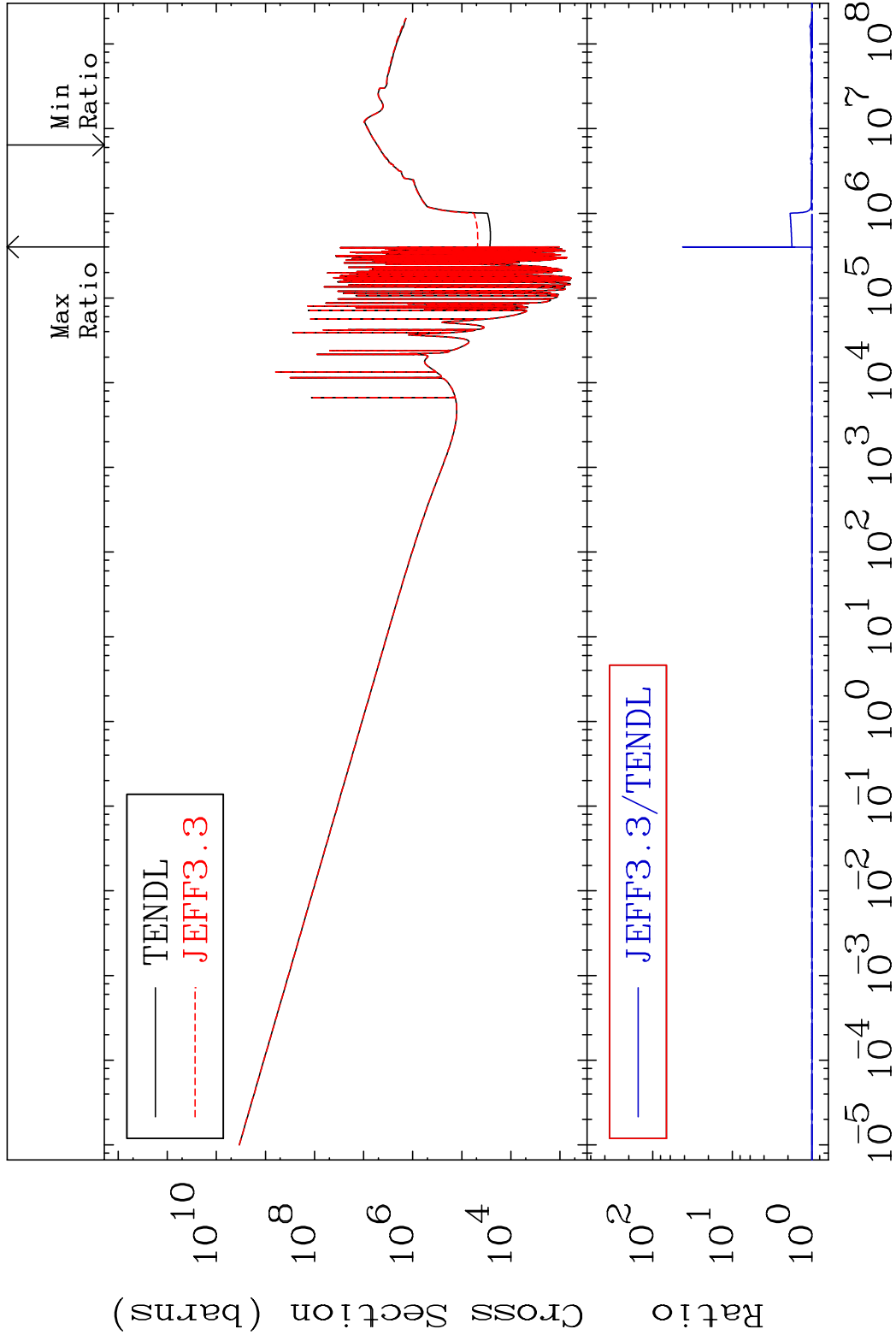
Incident Energy (eV) 22-Ti-48

MAT 2231

Total photon (eV-barns)

²²Ti-48

Cross Section -1.528 To 4147. %

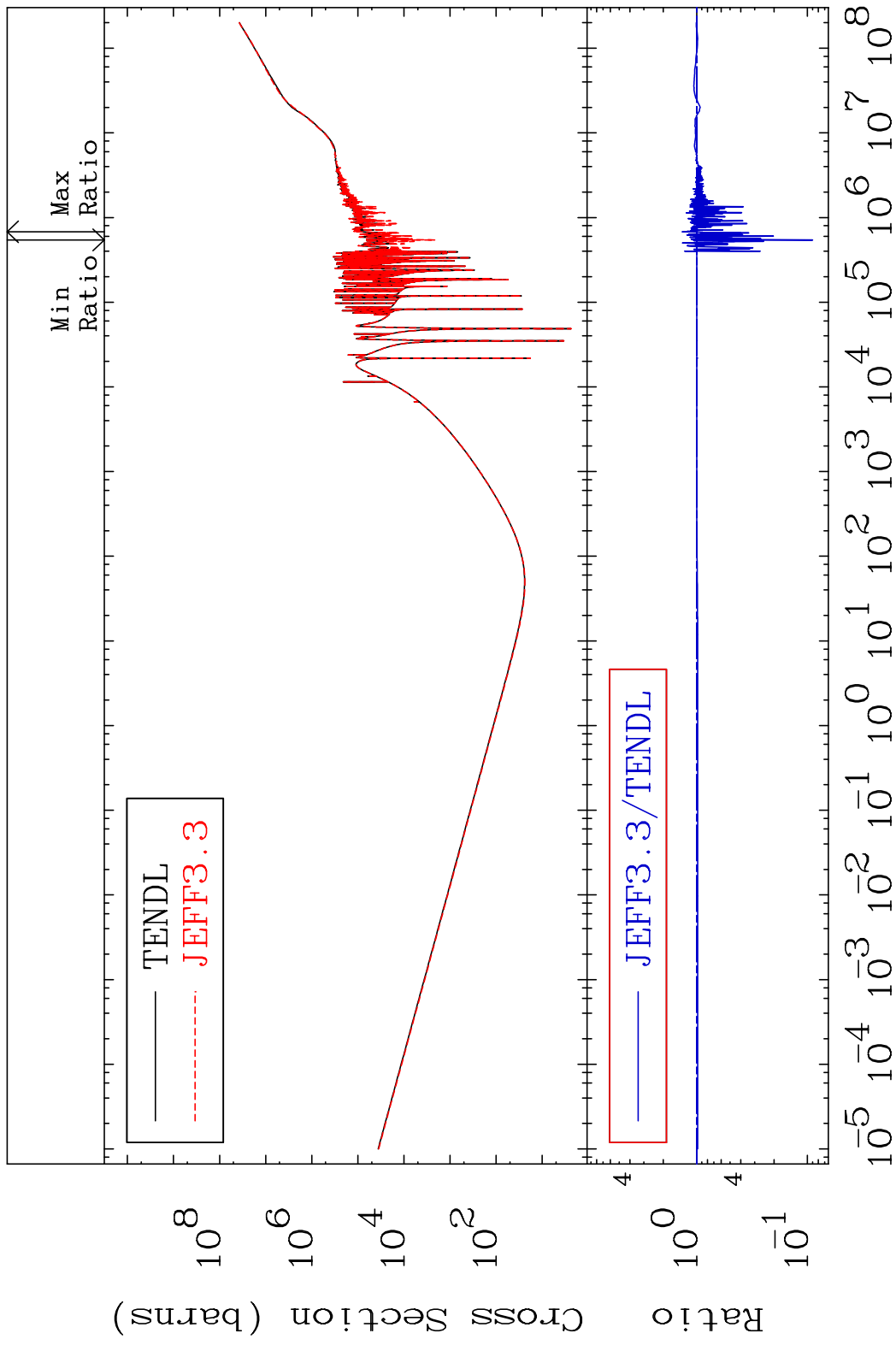


68

Incident Energy (eV)

²²Ti-48

MAT 2231 Total kinematic kerma (high limit) 22-Ti-48
Cross Section -91.00 To 34.59 %

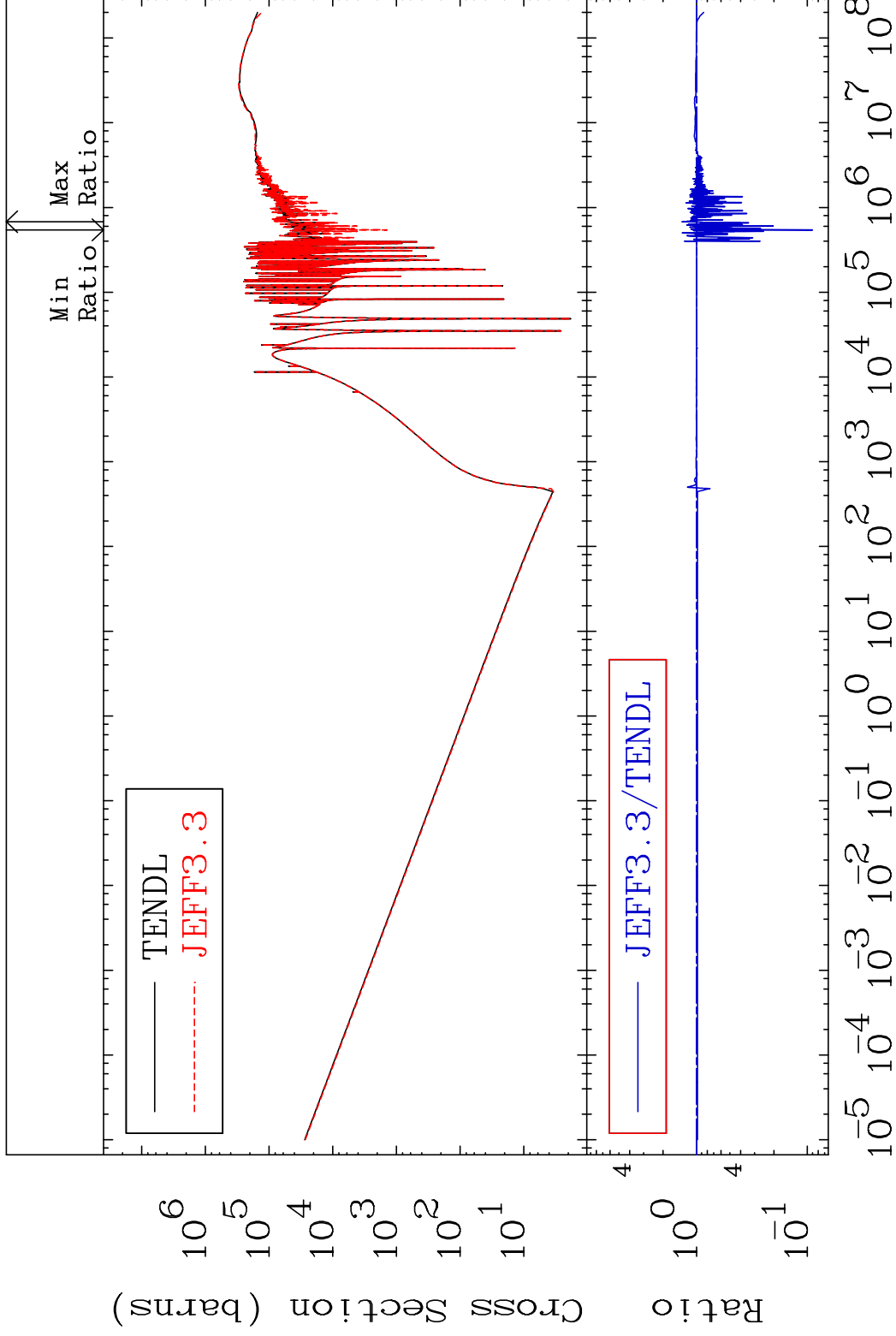


MAT 2231

Dpa total (eV-barns)

22-Ti-48

Cross Section -91.00 To 34.59 %



70

Incident Energy (eV)

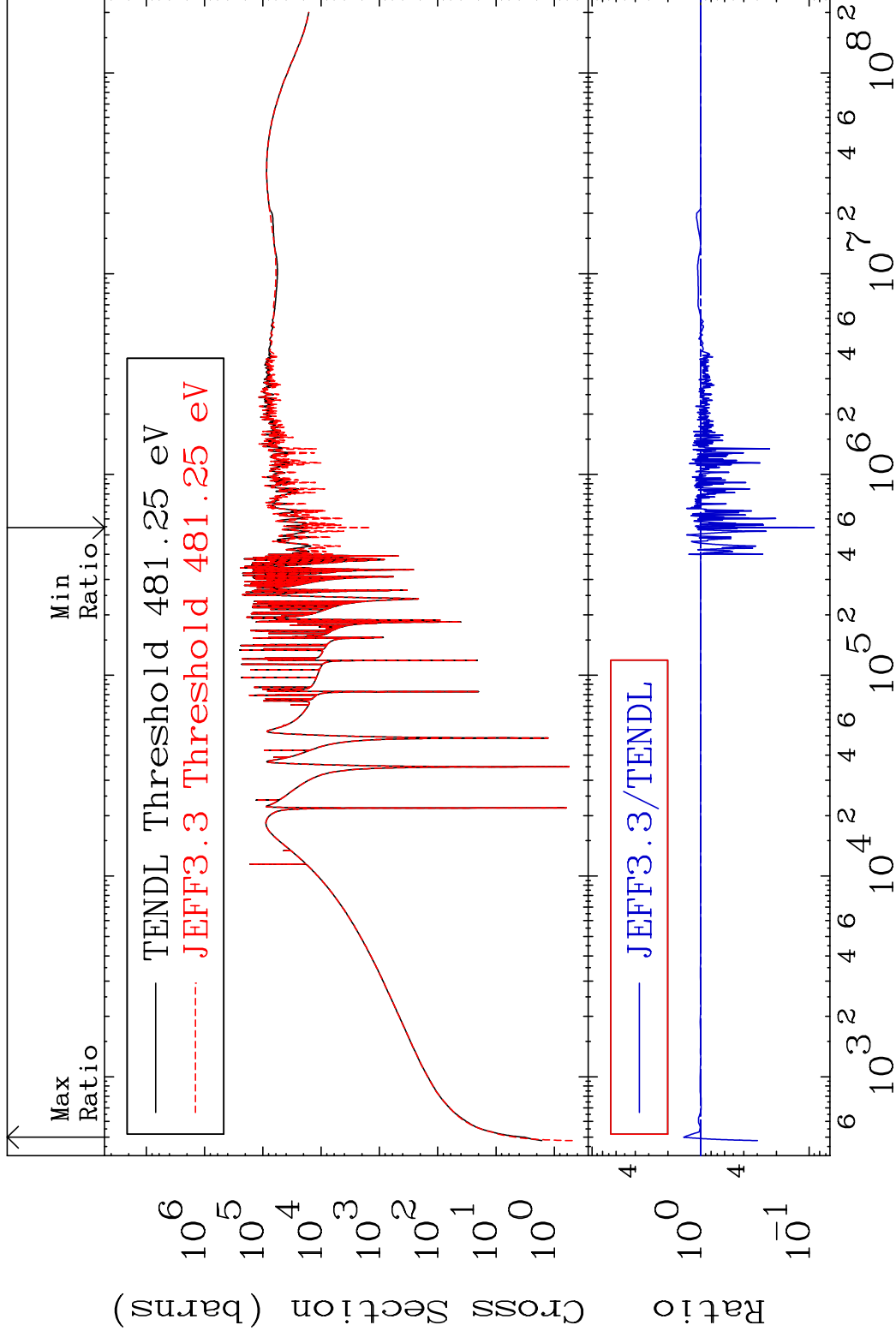
22-Ti-48

MAT 2231

Dpa elastic (mt2)

22-Ti-48

Cross Section -91.01 To 43.19 %

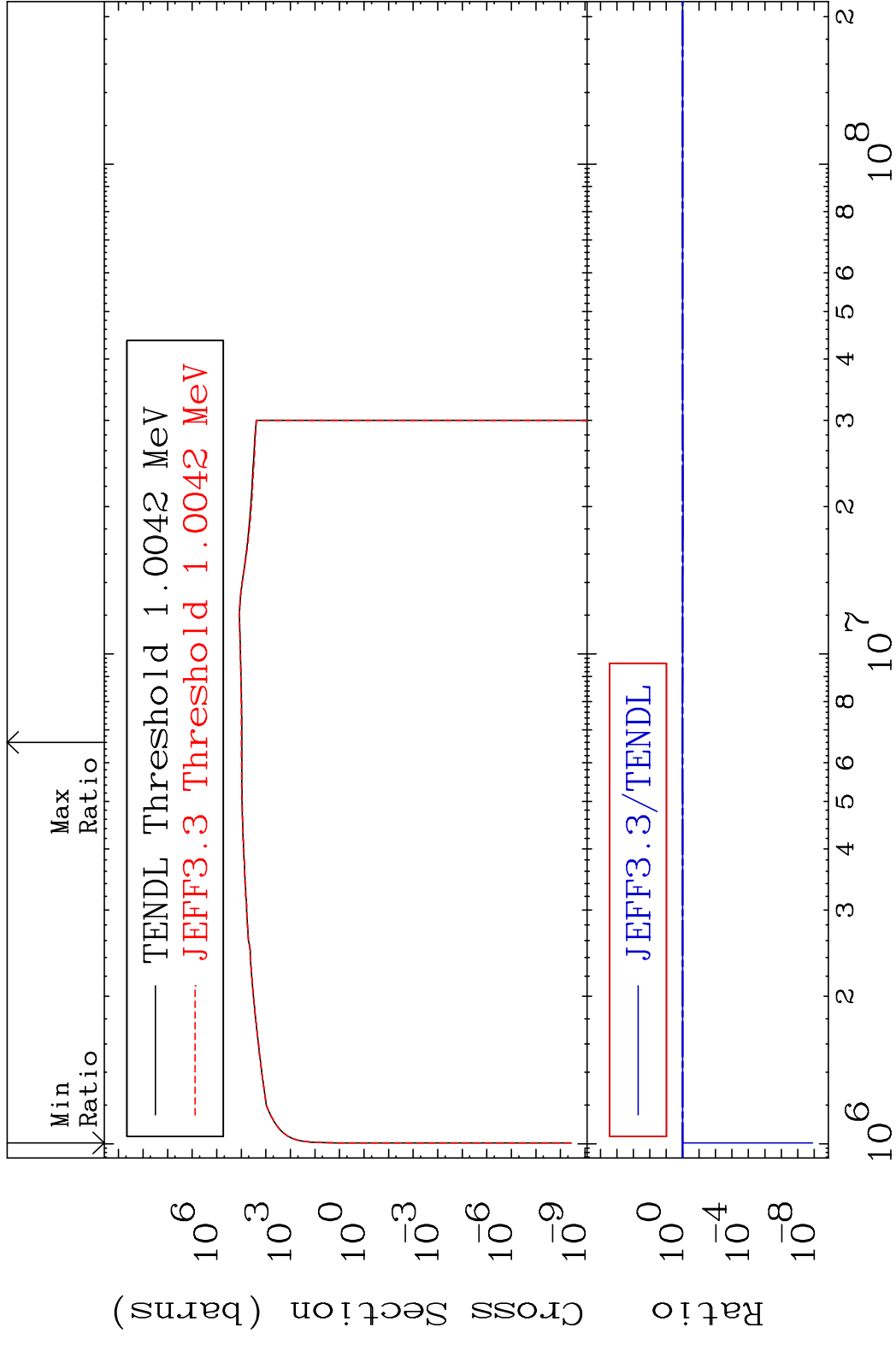


71

Incident Energy (eV)

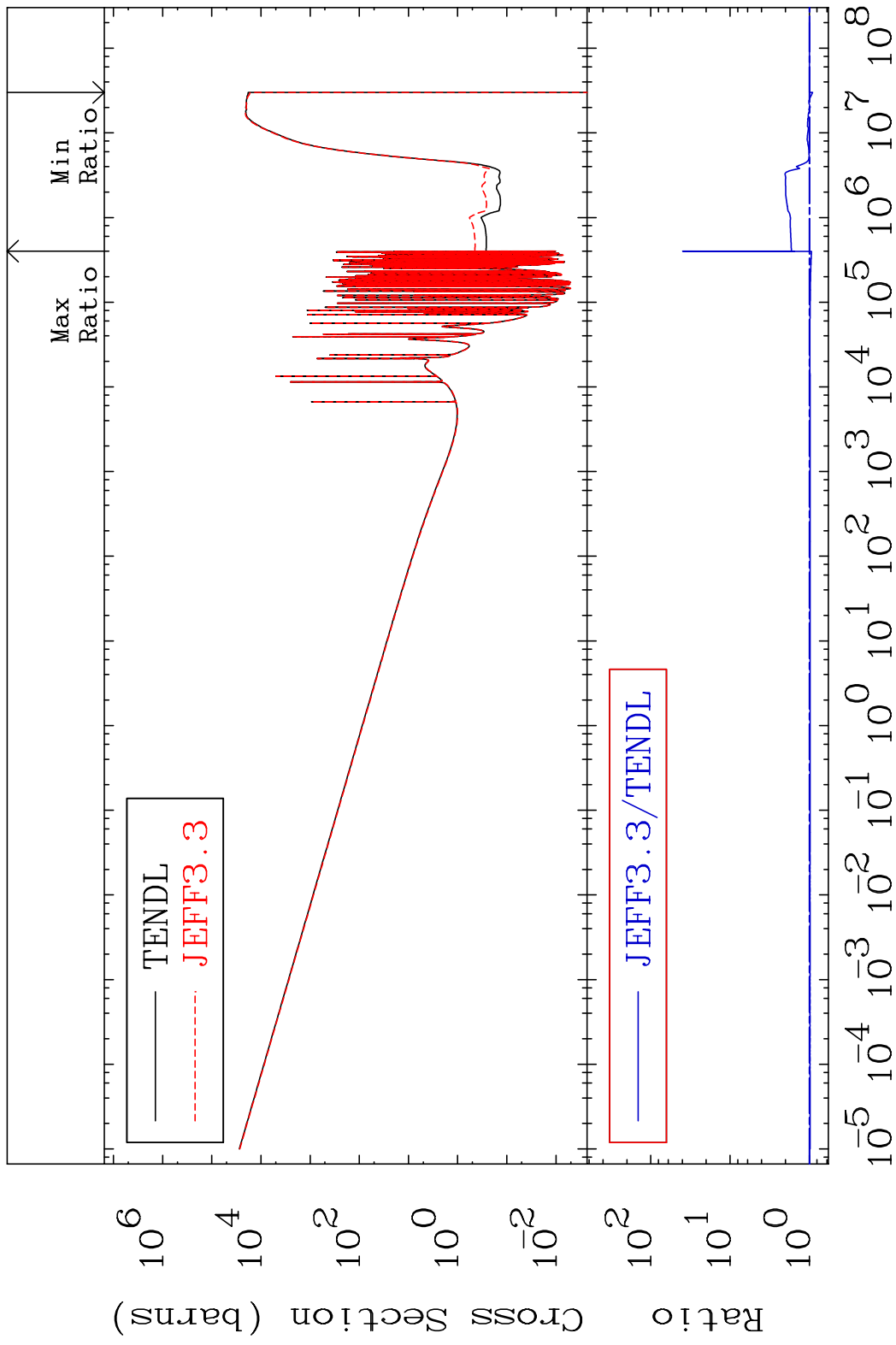
22-Ti-48

MAT 2231 Dpa inelastic (mt51-91) 22-Ti-48
 Cross Section -100.0 To 3.998 %



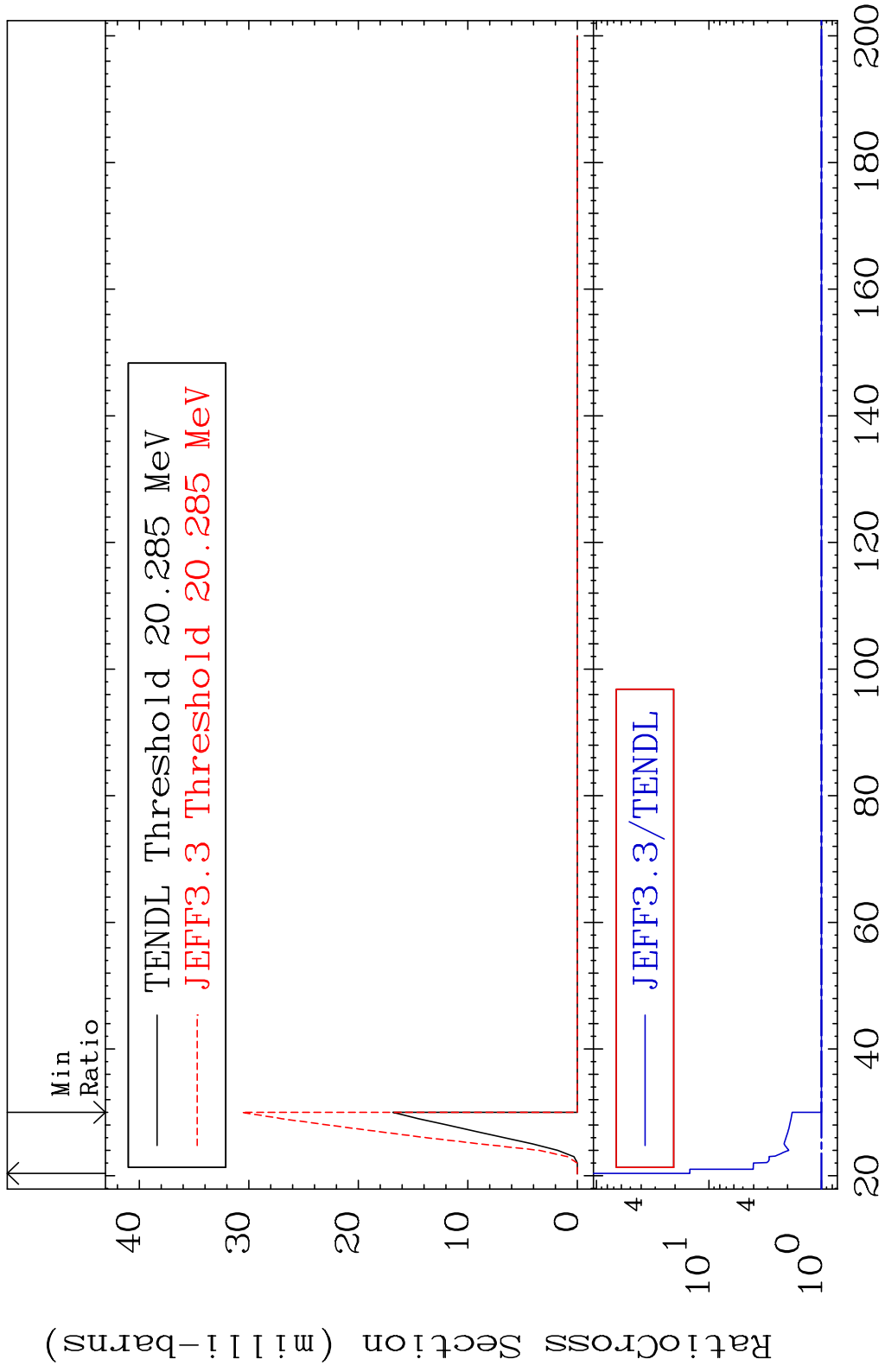
72 Incident Energy (eV) 22-Ti-48

MAT 2231 Dpa disappearance (mt102 -120) 22-Ti-48
 Cross Section -8.982 To 3892. %



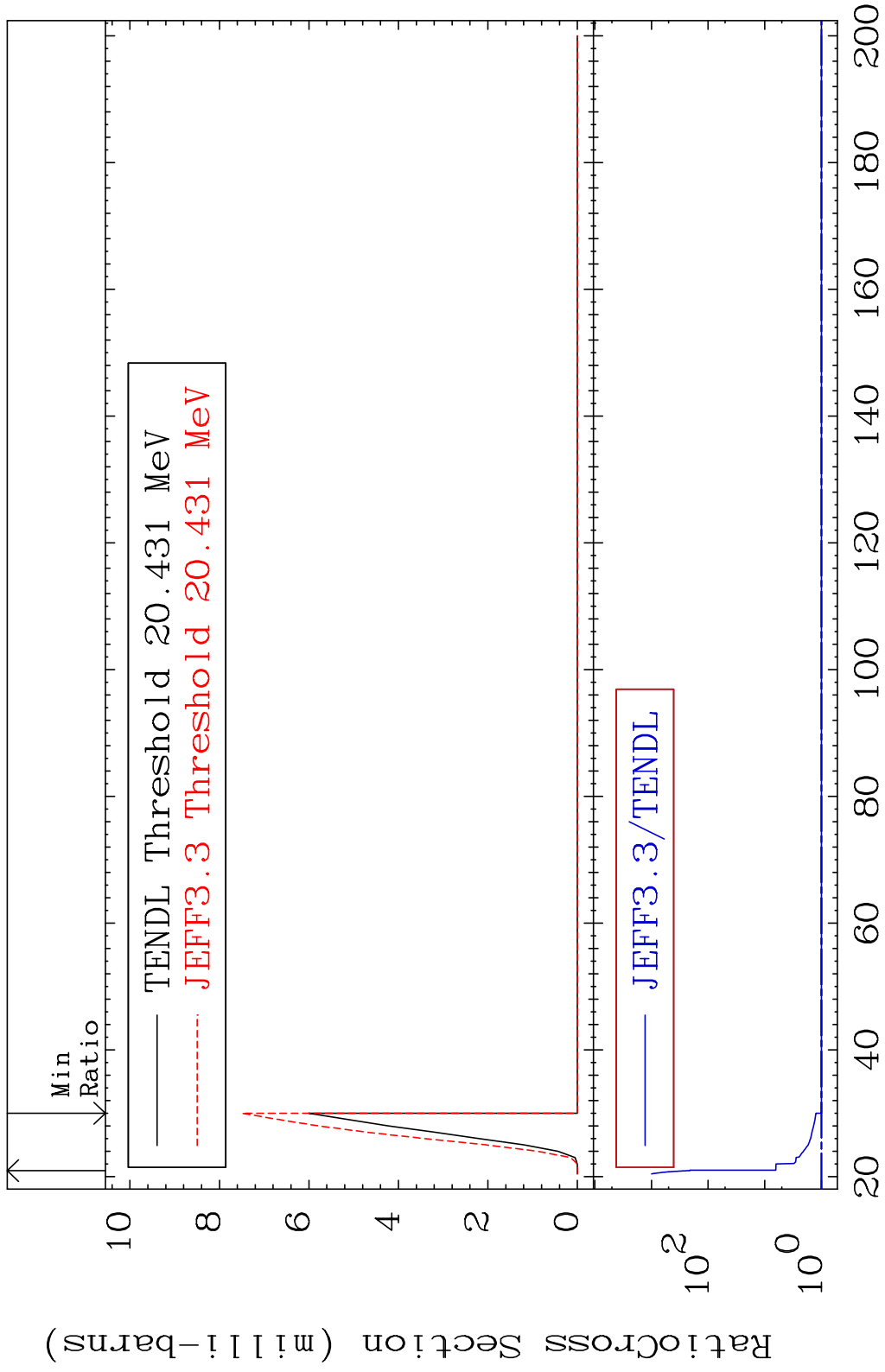
73 Incident Energy (eV) 22-Ti-48

MAT 2231 (n, n') d:21-Sc-46g 22-Ti-48
 Radionuclide Production Cross Section 1379. %



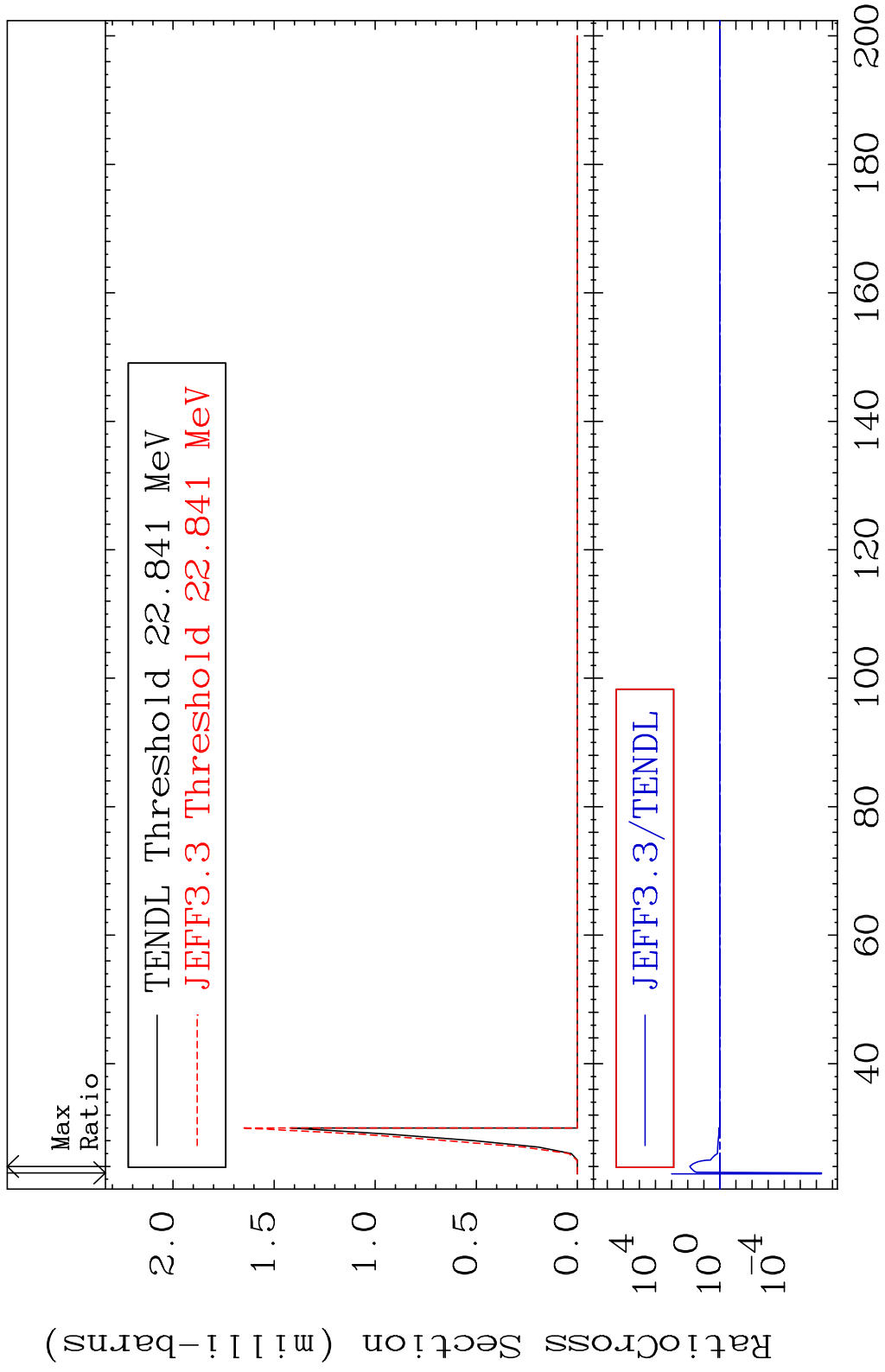
74 Incident Energy (MeV) 22-Ti-48

MAT 2231 (n, n') d:21-Sc-46m2 22-Ti-48
 Radionuclide Production Cross Section 9999. %

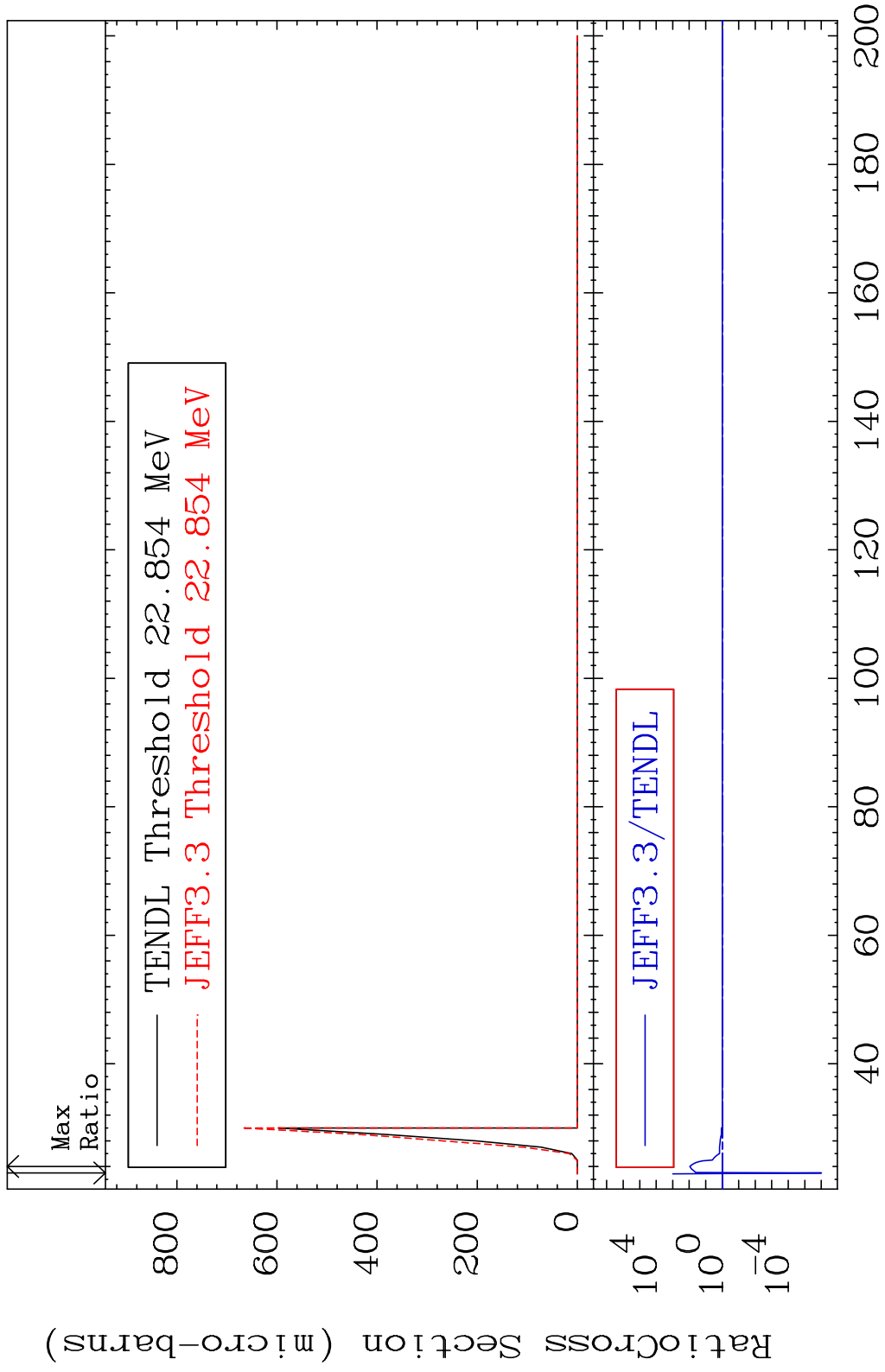


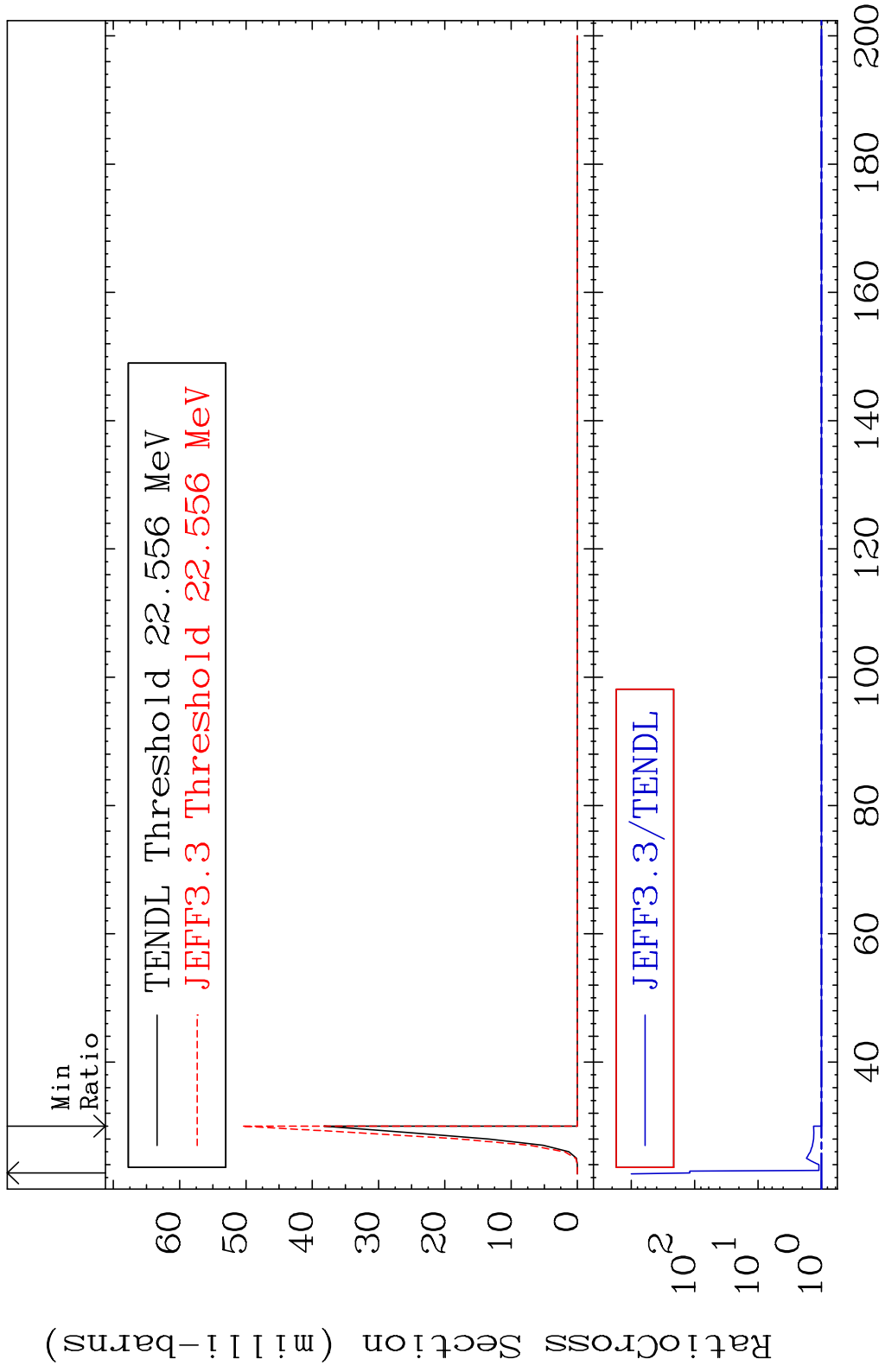
75 Incident Energy (MeV) 22-Ti-48

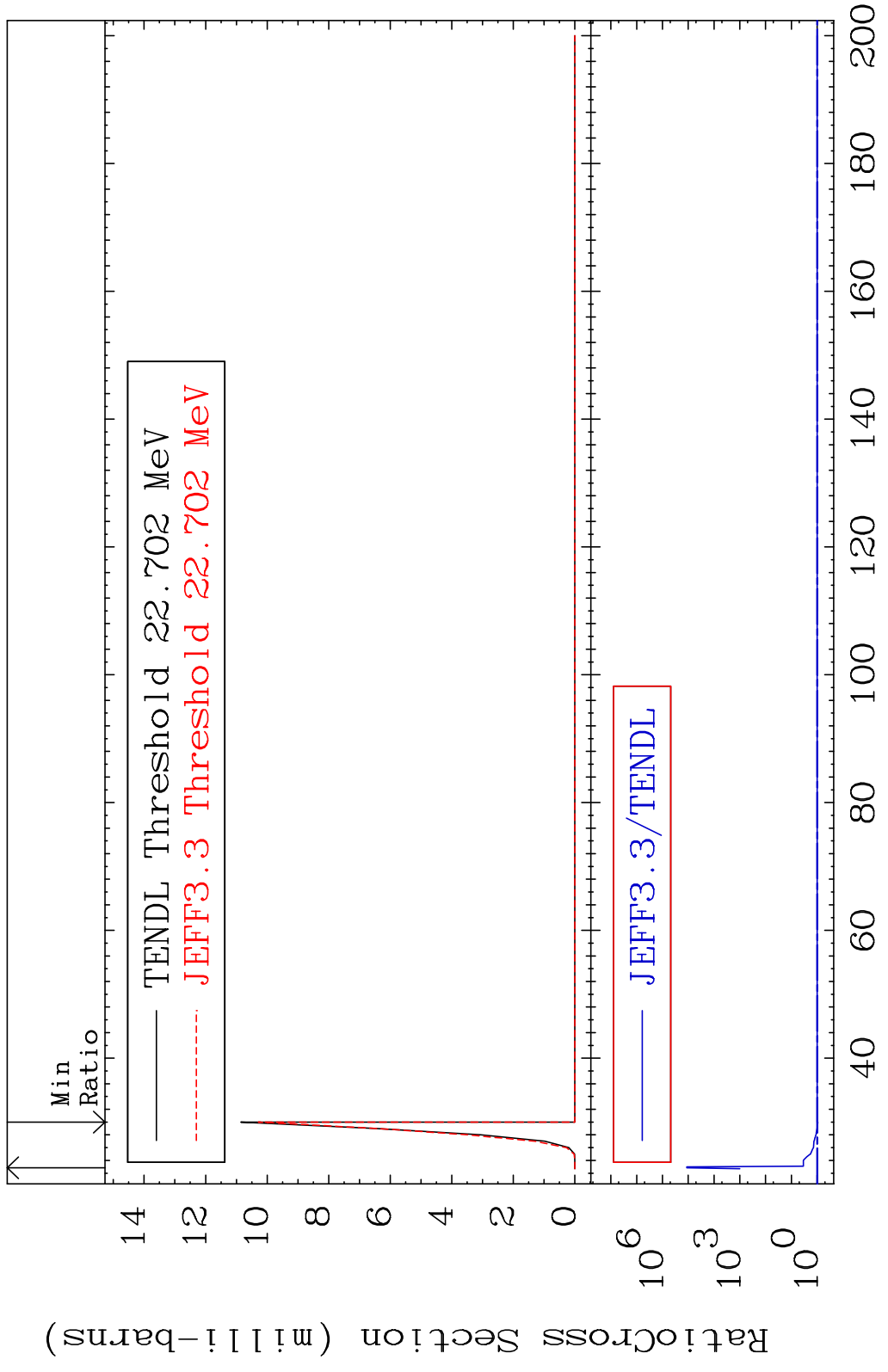
MAT 2231 (n, n') t:21-Sc-45g 22-Ti-48
 Radionuclide Production Cross Section 180.0 dth 7300. %



MAT 2231 (n, n') t:21-Sc-45m1 22-Ti-48
 Radionuclide Production Cross Section Ratio 9155. %







MAT 2231 (n, t):21-Sc-46g 22-Ti-48
 Radionuclide Production Cross Section 26.64 %

