

Program Complot  
(Version 2021-1)

by

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Press Mouse Button to Start

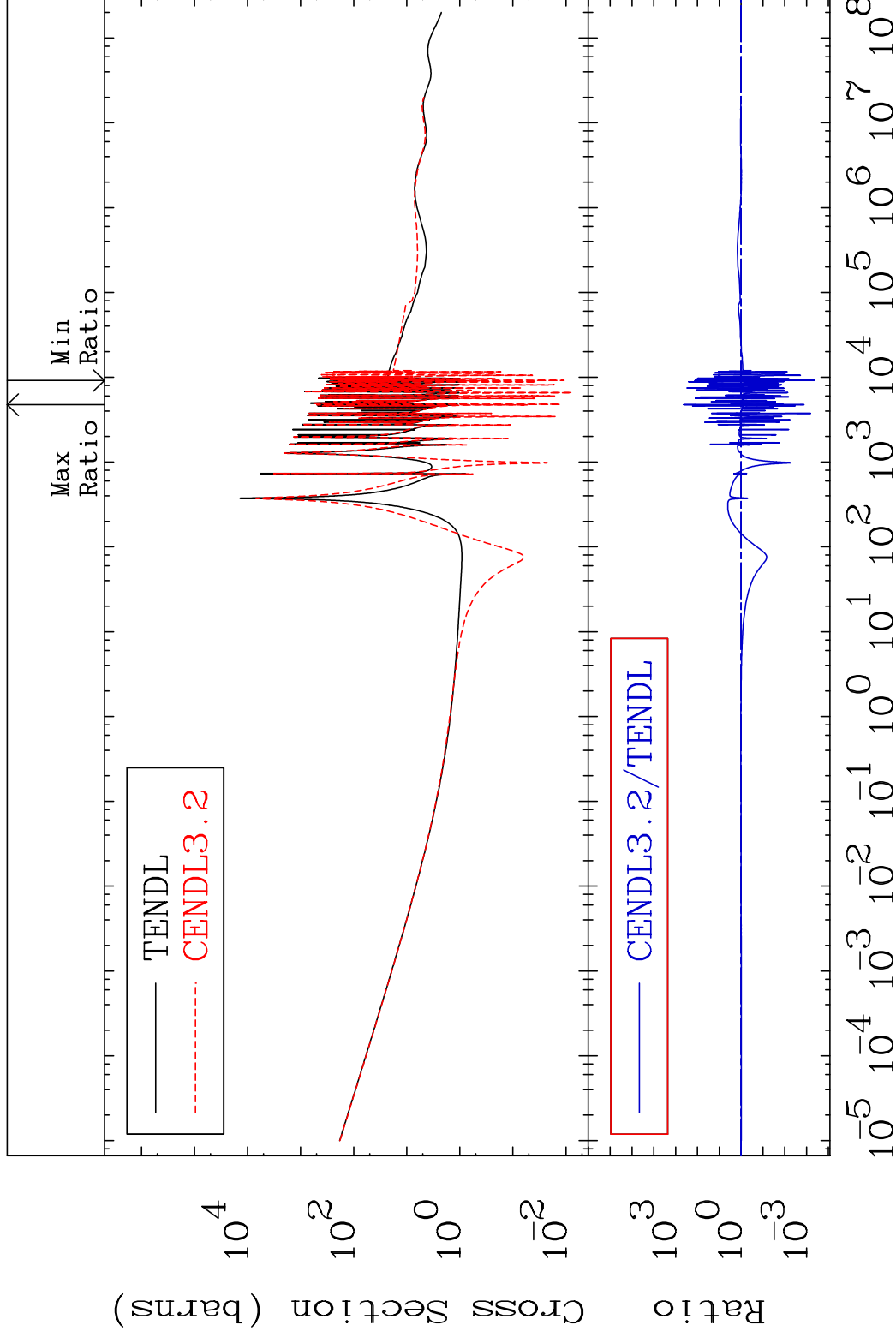
MAT 6031

Total

60-Nd-144

Cross Section

-99.95 To 9999. %



1

Incident Energy (eV)

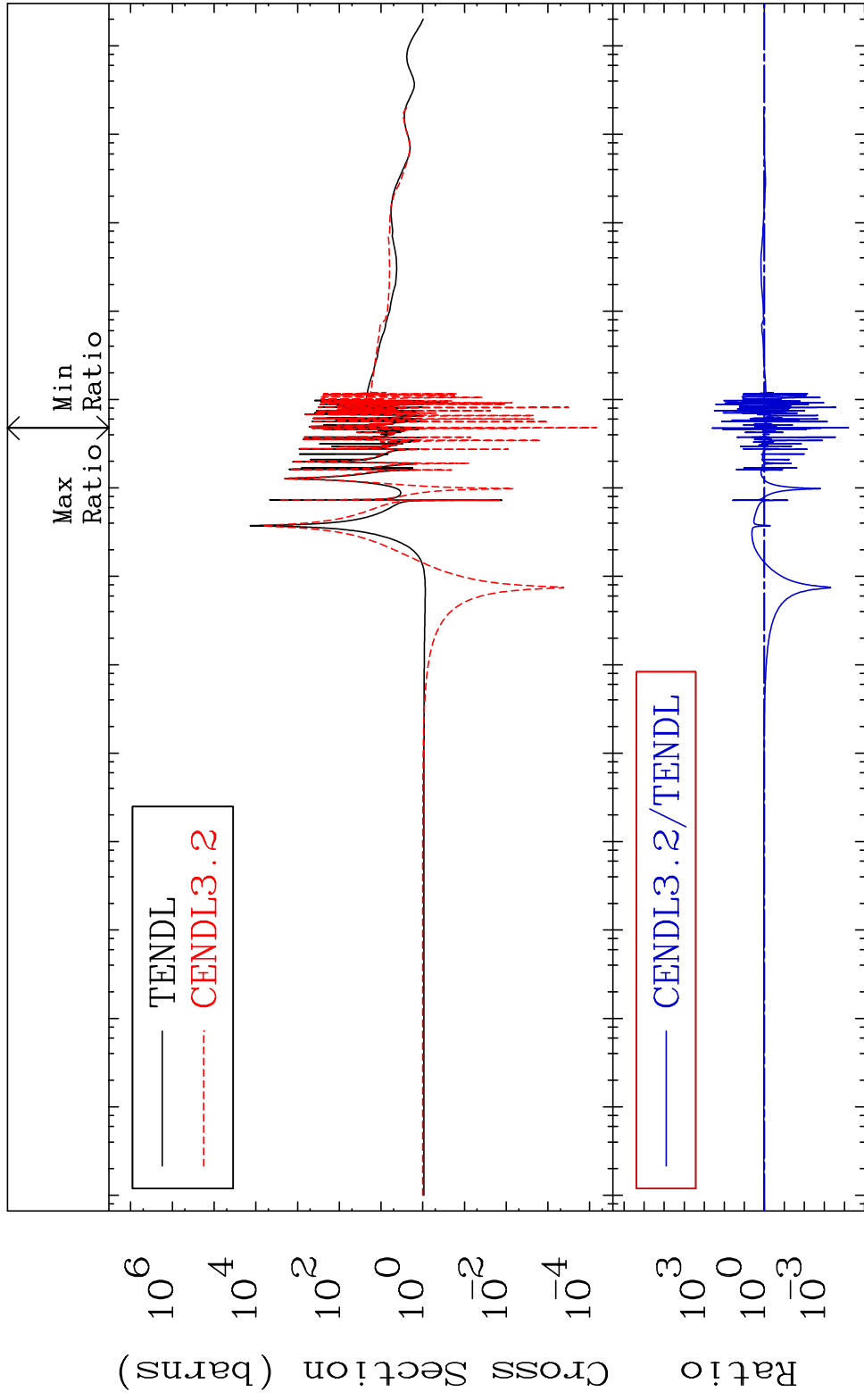
60-Nd-144

MAT 6031

Elastic

60-Nd-144

Cross Section -99.99 To 9999. %



2

Incident Energy (eV)

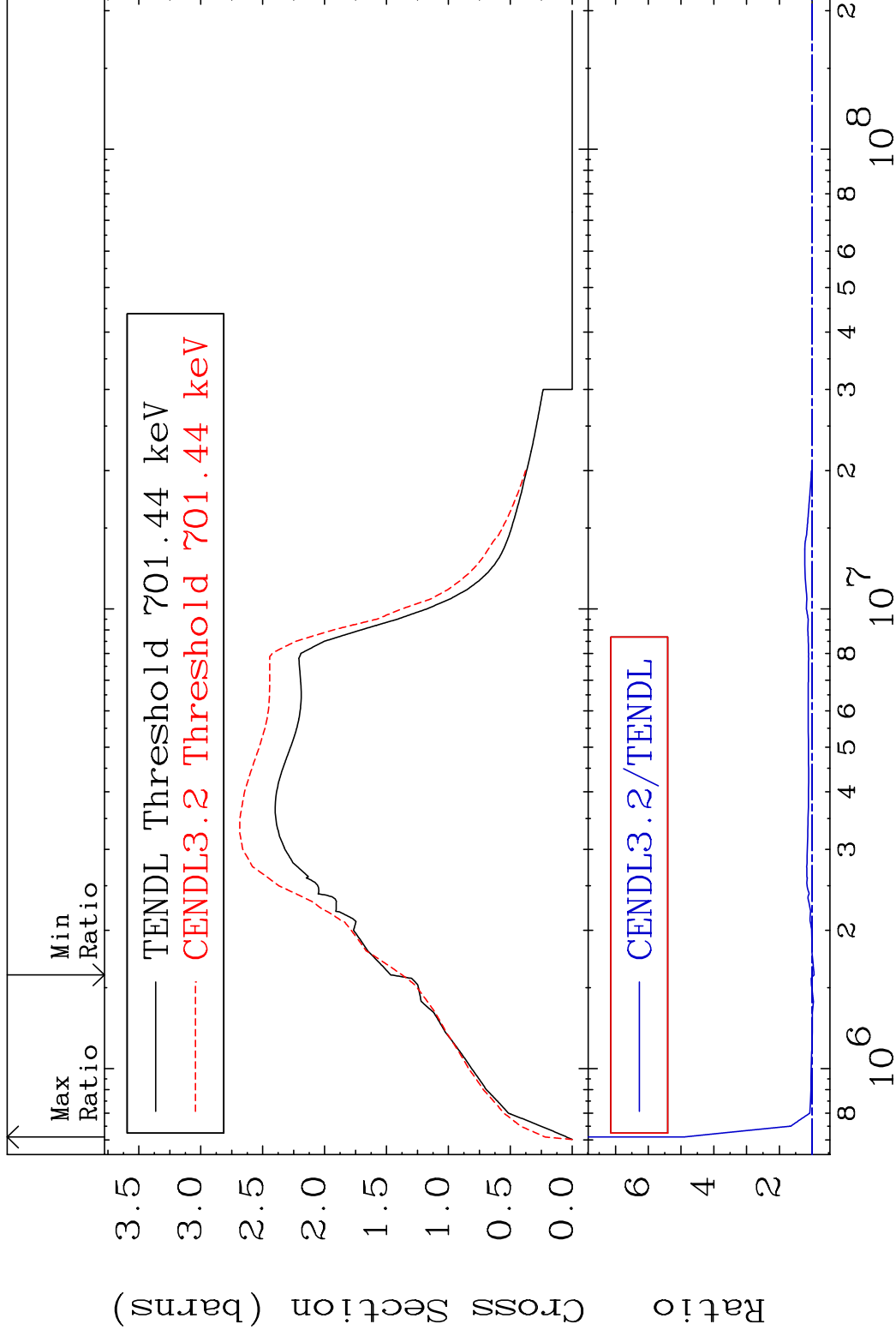
60-Nd-144

MAT 6031

Inelastic

60-Nd-144

Cross Section -6.198 To 392.0 %



3

Incident Energy (eV)

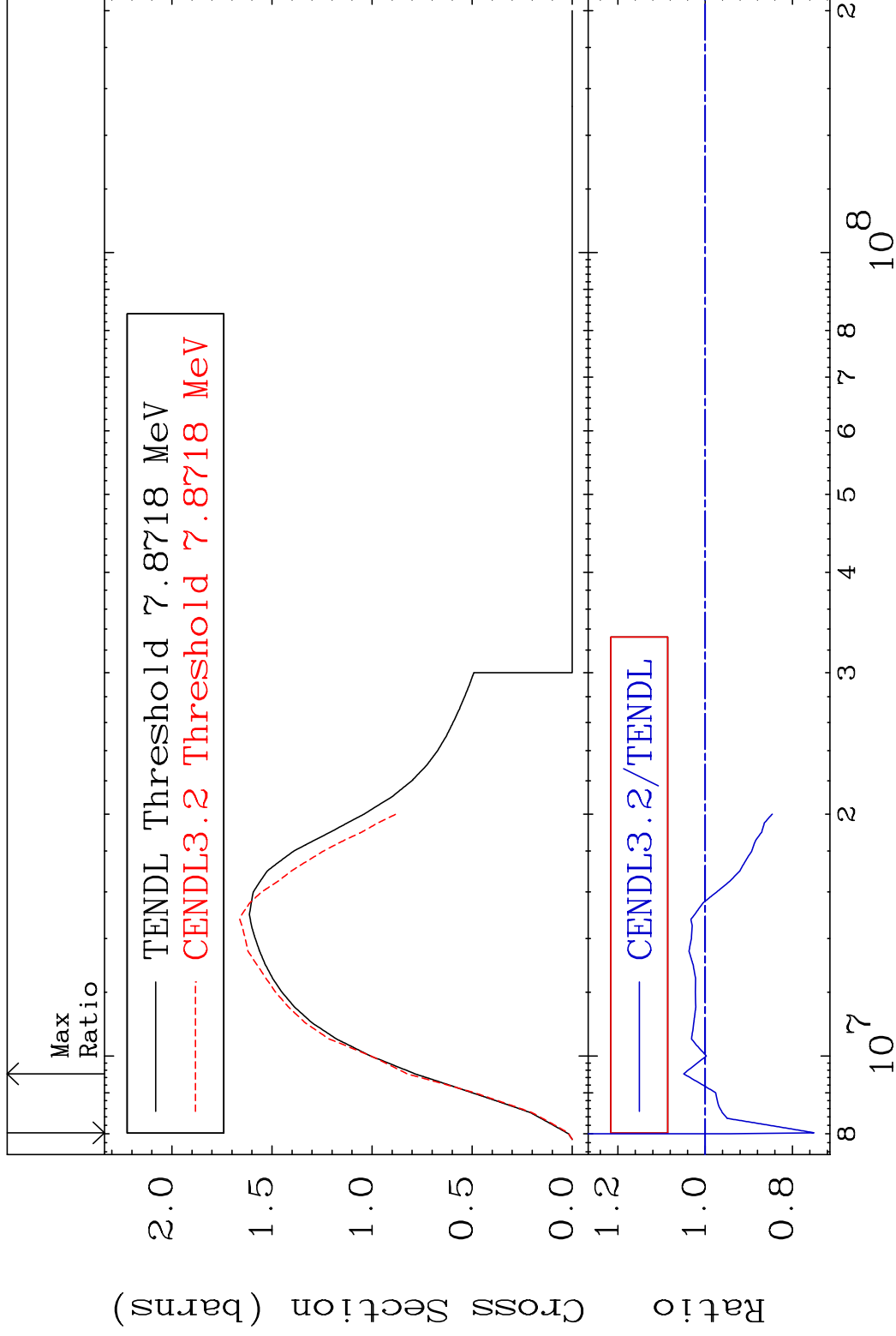
60-Nd-144

MAT 6031

(n,2n)

60-Nd-144

Cross Section -24.97 To 4.922 %



4

Incident Energy (eV)

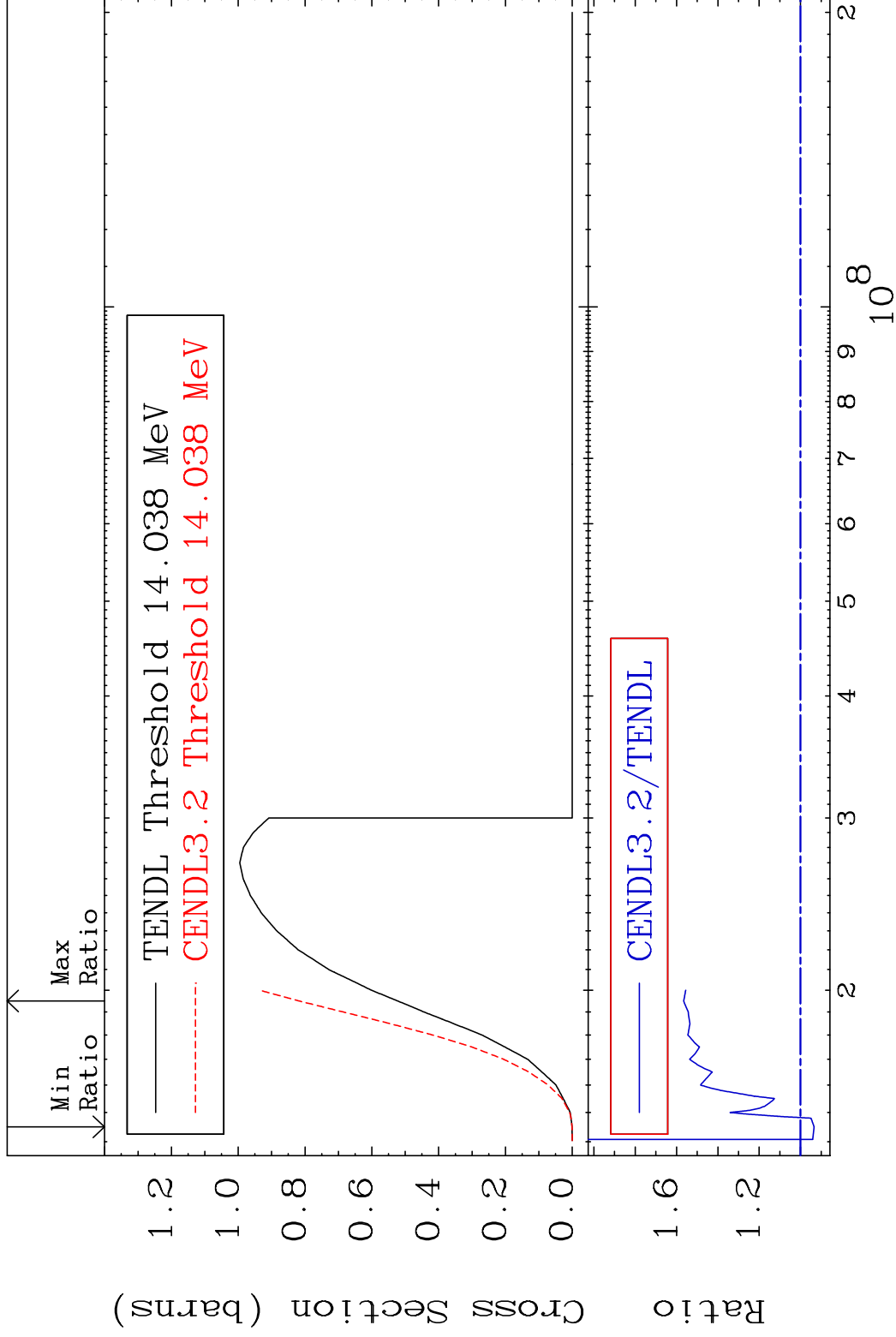
60-Nd-144

MAT 6031

(n,3n)

60-Nd-144

Cross Section -6.579 To 56.56 %



5

Incident Energy (eV)

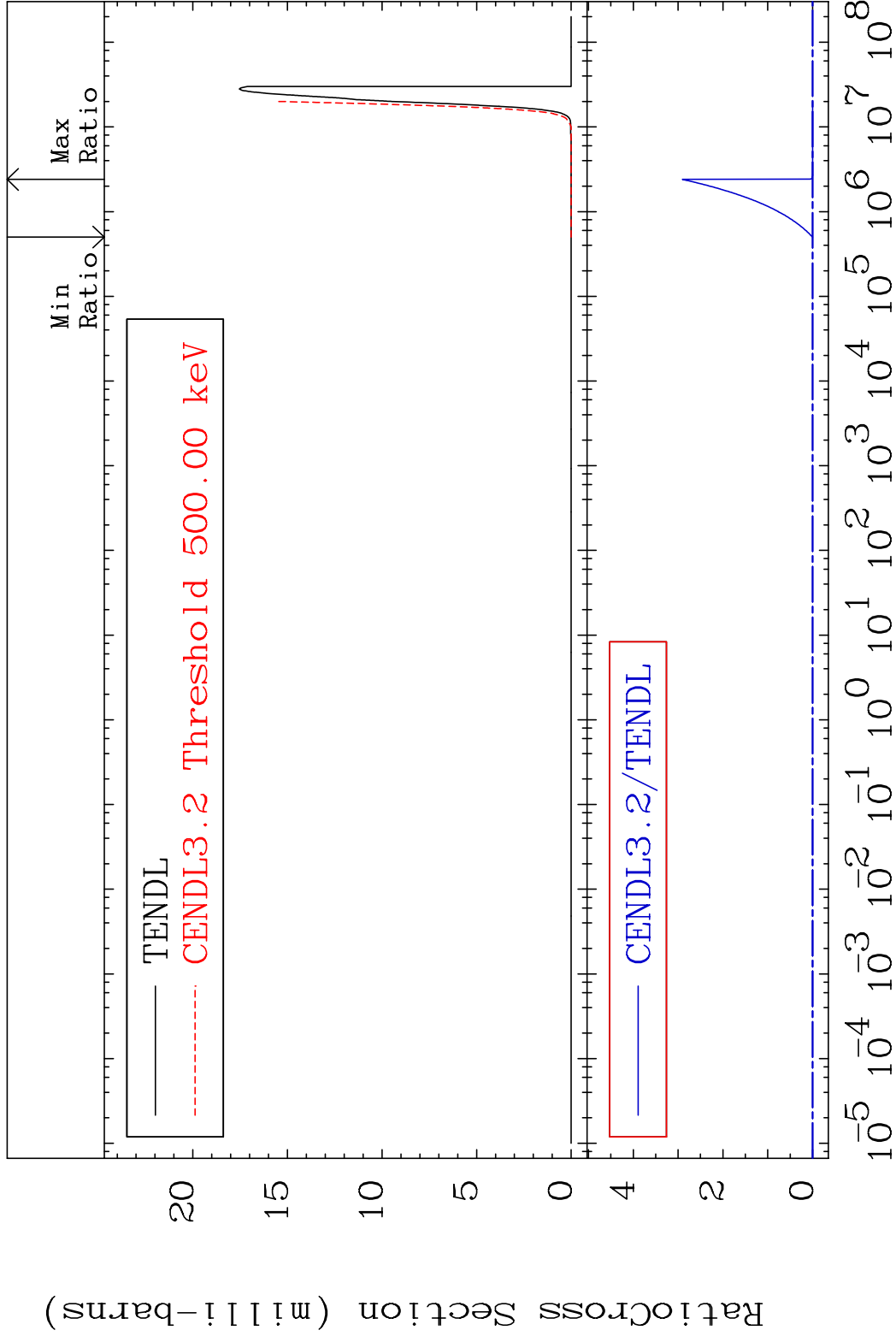
60-Nd-144

MAT 6031

(n, n')  $\alpha$

60-Nd-144

Cross Section -100.0 To 9999. %

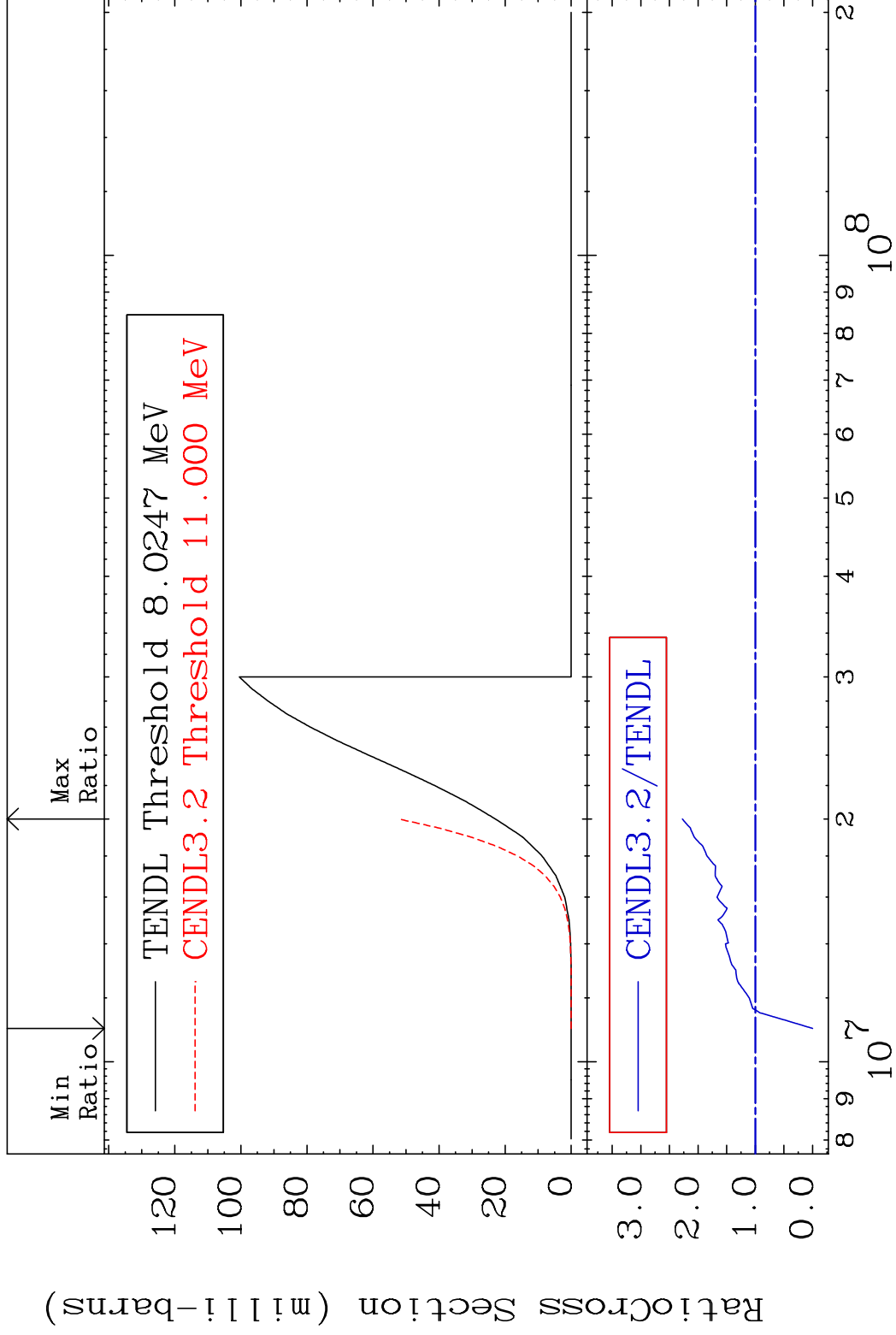


MAT 6031

(n, n') p

60-Nd-144

Cross Section -100.0 To 127.4 %



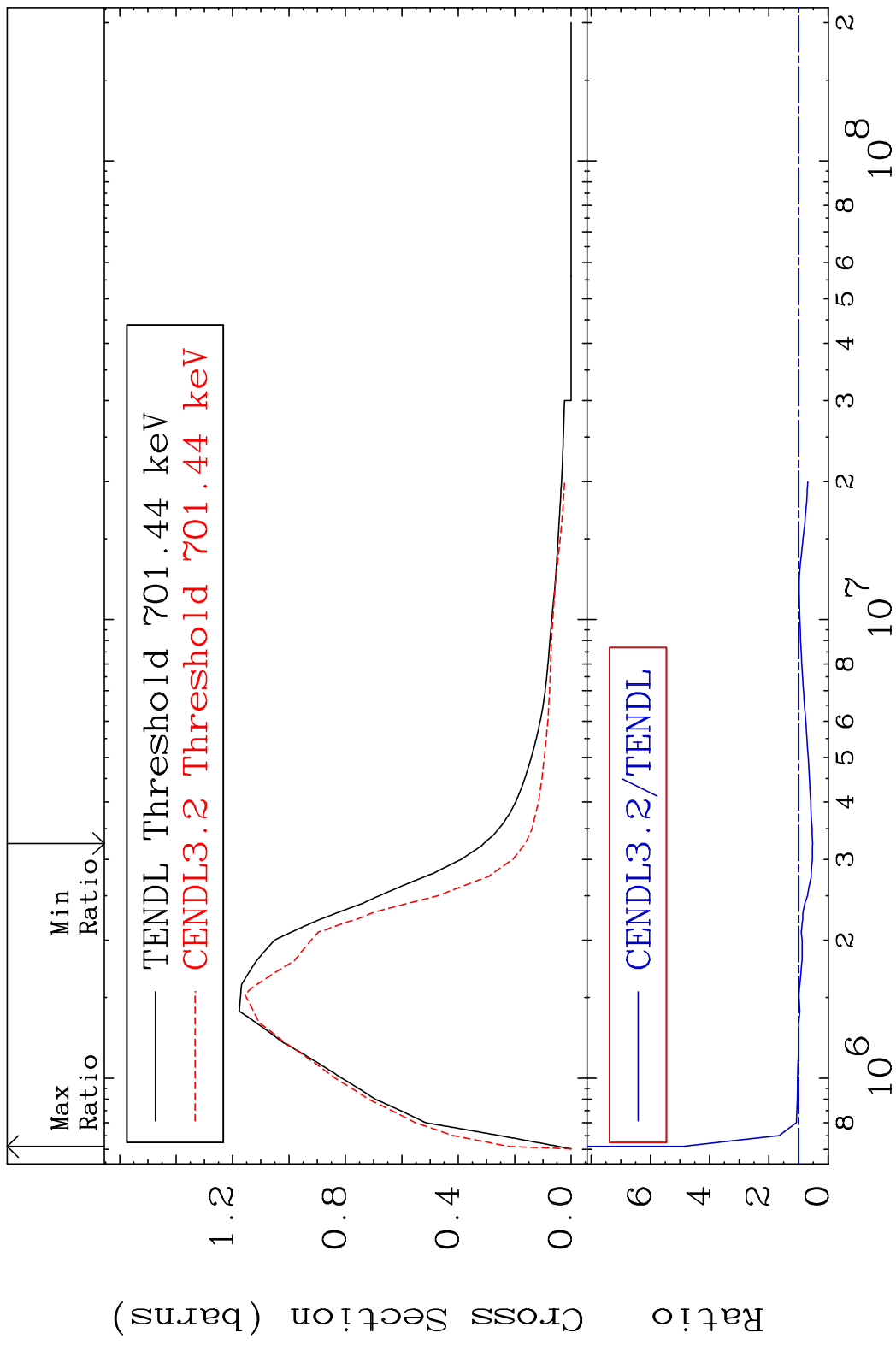
7

Incident Energy (eV)

60-Nd-144

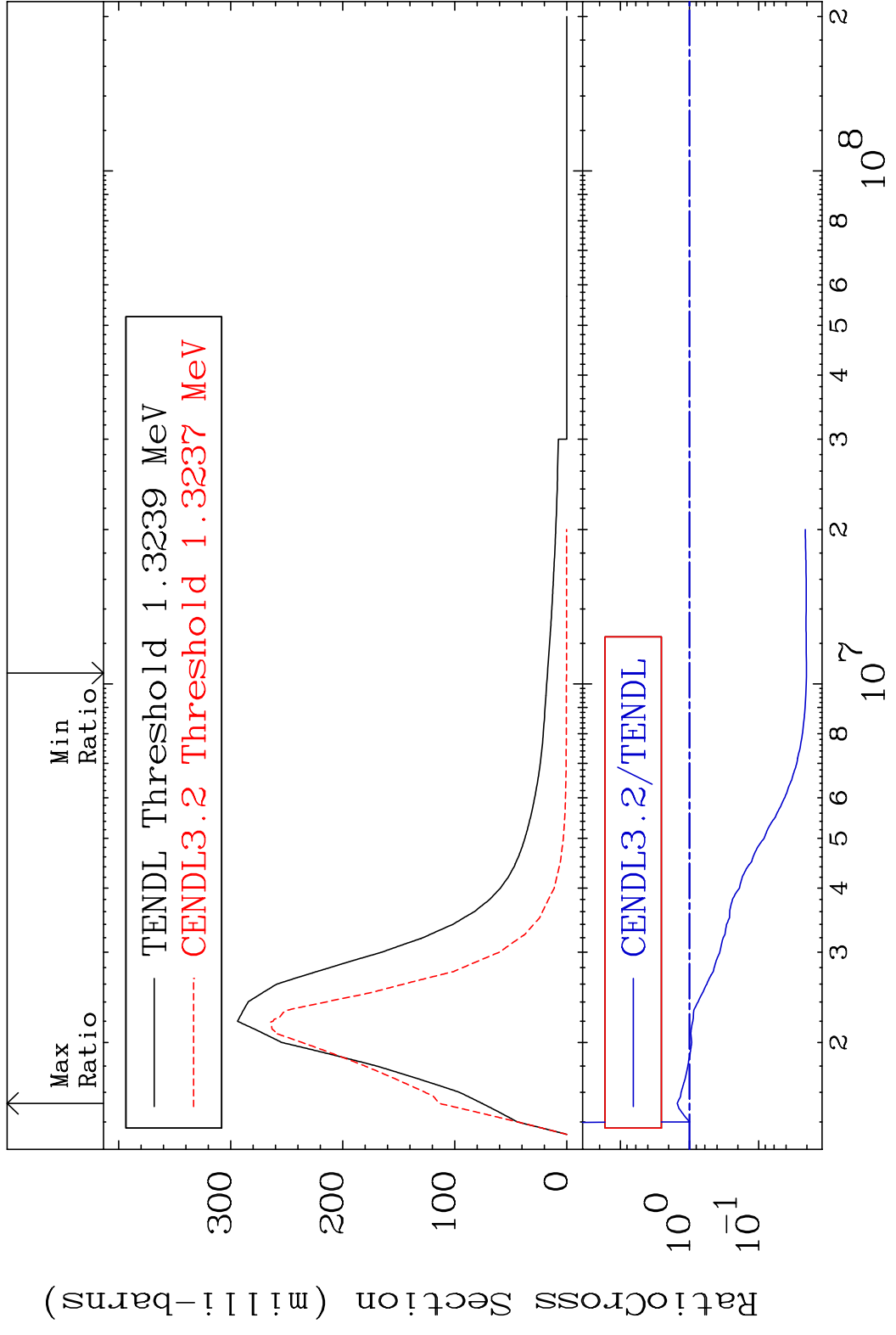


MAT 6031 MT= 51 (n,n') Level 60-Nd-144  
 Cross Section -47.60 To 392.0 %

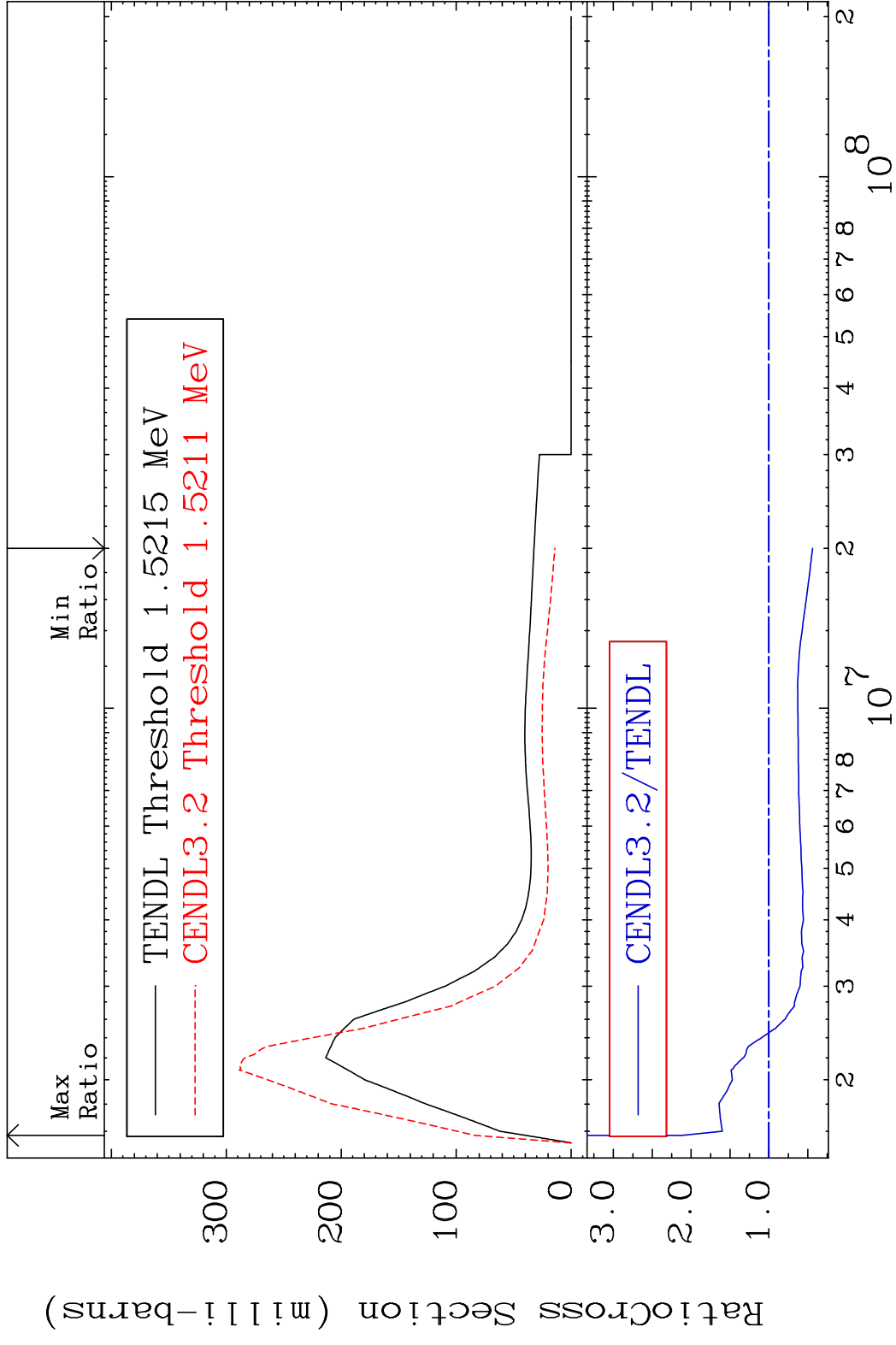


8 Incident Energy (eV) 60-Nd-144

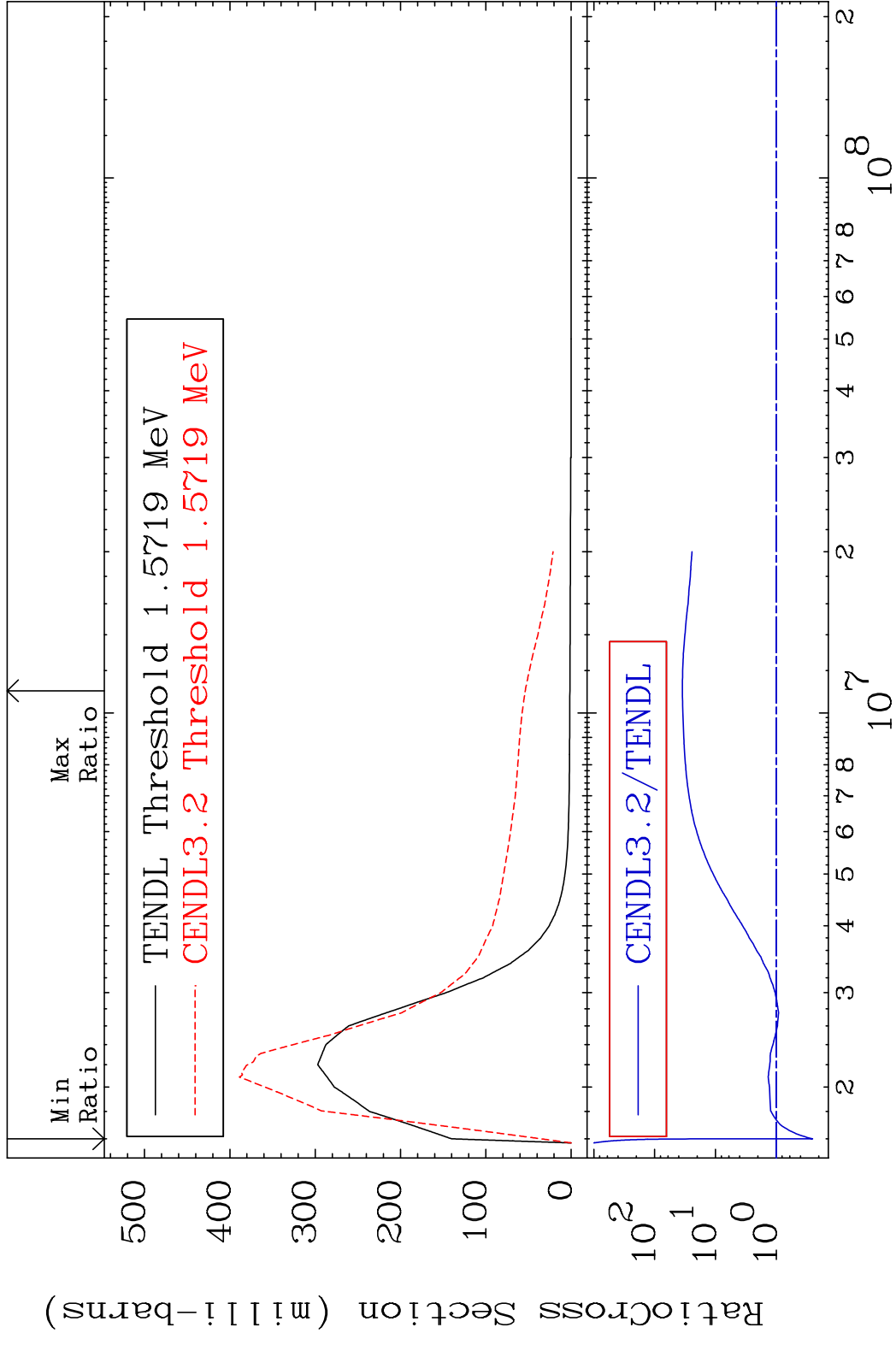
MAT 6031 MT= 52 (n, n') Level 60-Nd-144  
 Cross Section -97.96 To 50.72 %



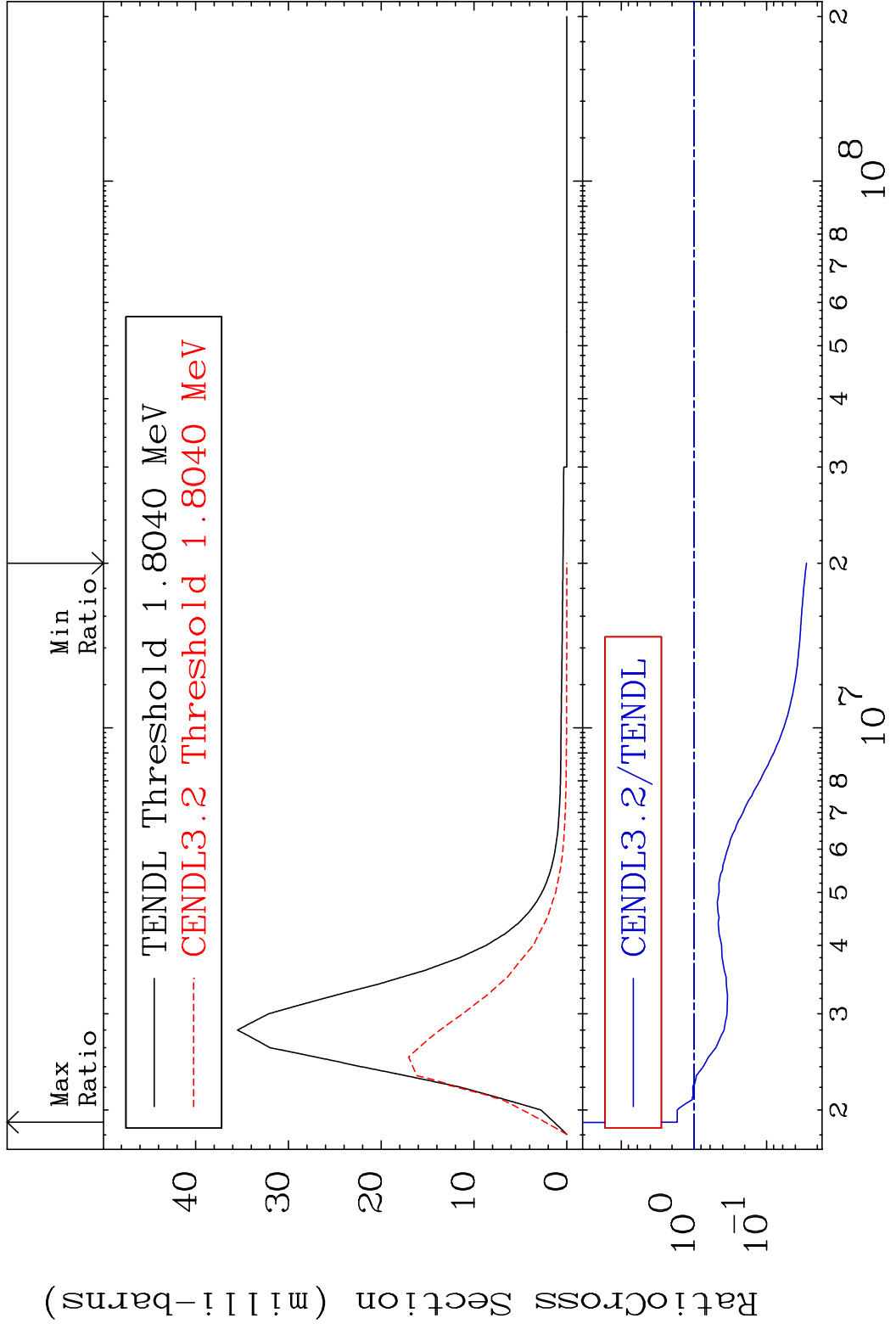
MAT 6031 MT= 53 (n, n') Level 60-Nd-144  
Cross Section -56.11 To 111.3 %



MAT 6031 MT= 54 (n, n') Level 60-Nd-144  
 Cross Section -74.72 To 3400. %

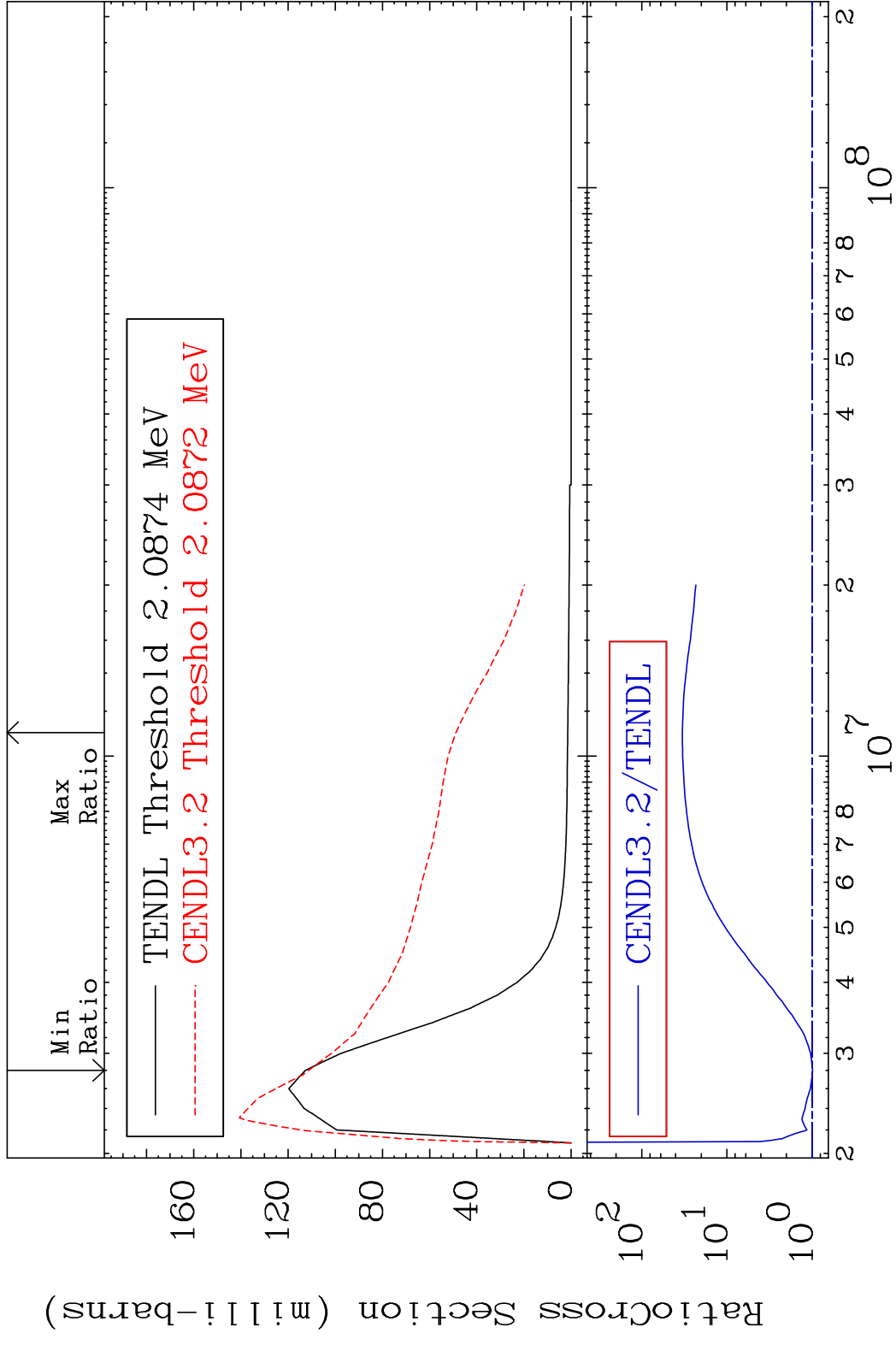


MAT 6031 MT= 55 (n,n') Level 60-Nd-144  
 Cross Section -97.18 To 70.11 %

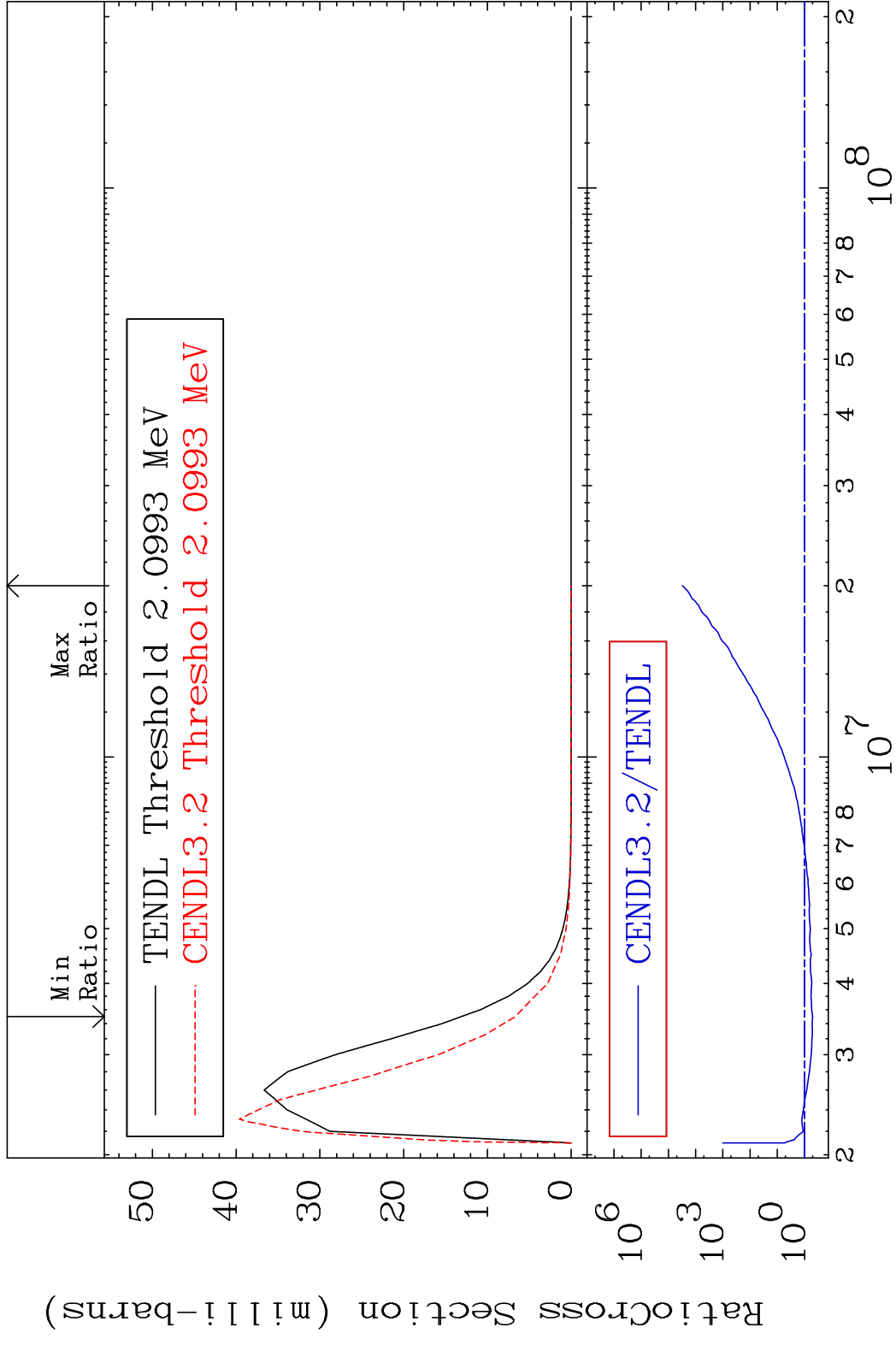


12 Incident Energy (eV) 60-Nd-144

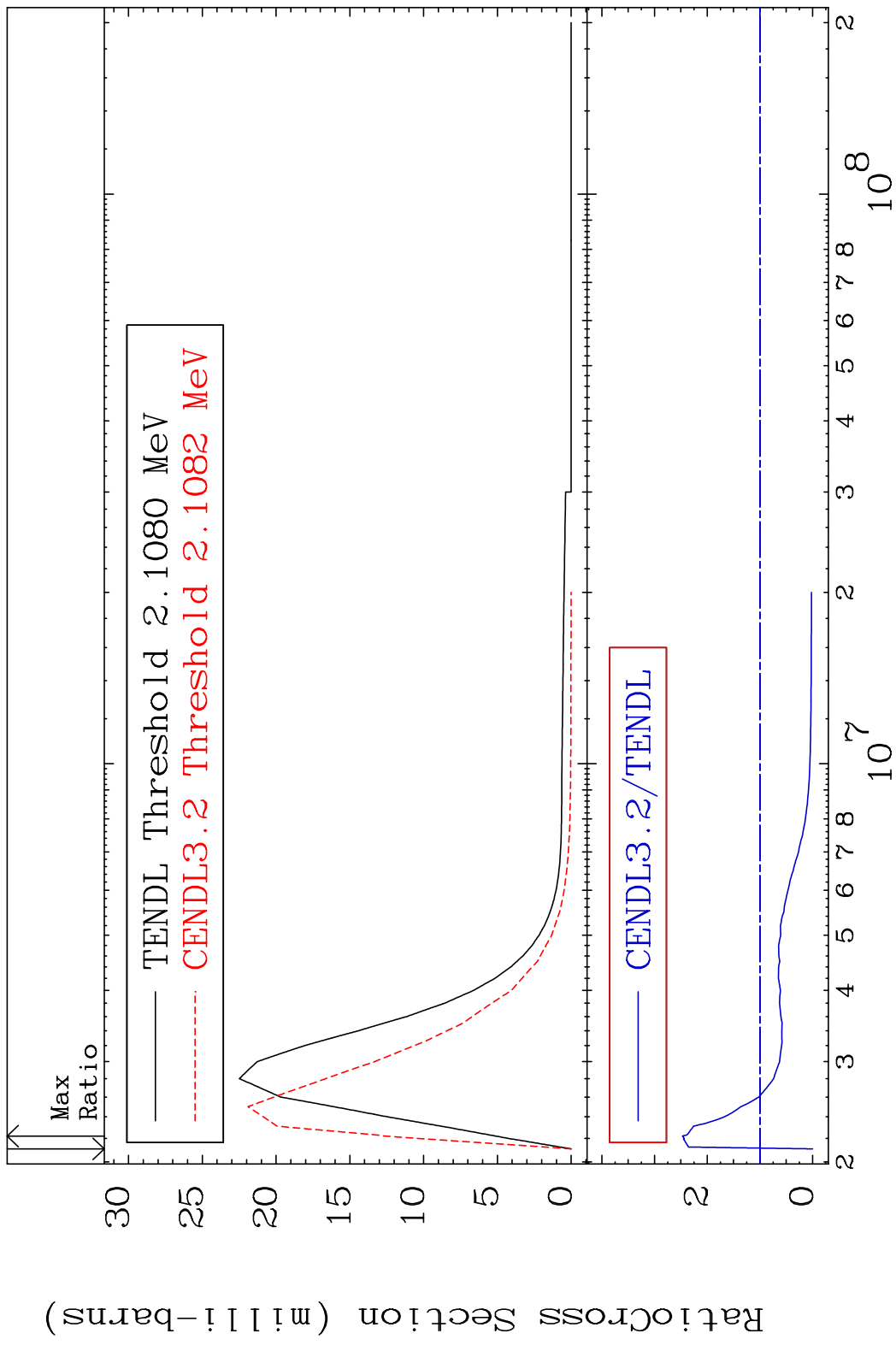
MAT 6031 MT= 56 (n,n') Level 60-Nd-144  
 Cross Section -1.239 To 3235. %



MAT 6031 MT= 57 (n, n') Level 60-Nd-144  
 Cross Section -49.36 To 9999. %



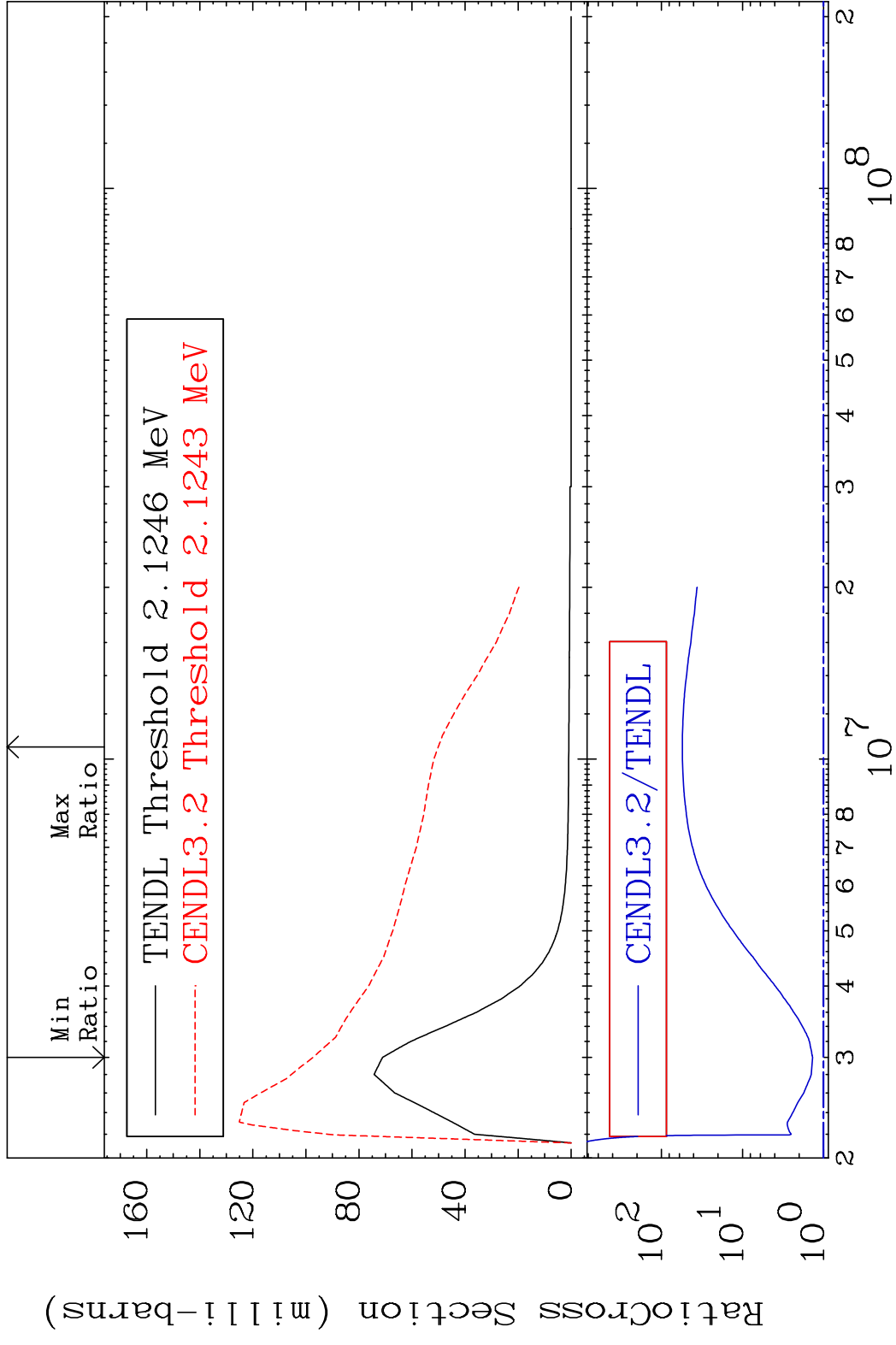
MAT 6031 MT= 58 (n, n') Level 60-Nd-144  
 Cross Section -100.0 To 147.2 %



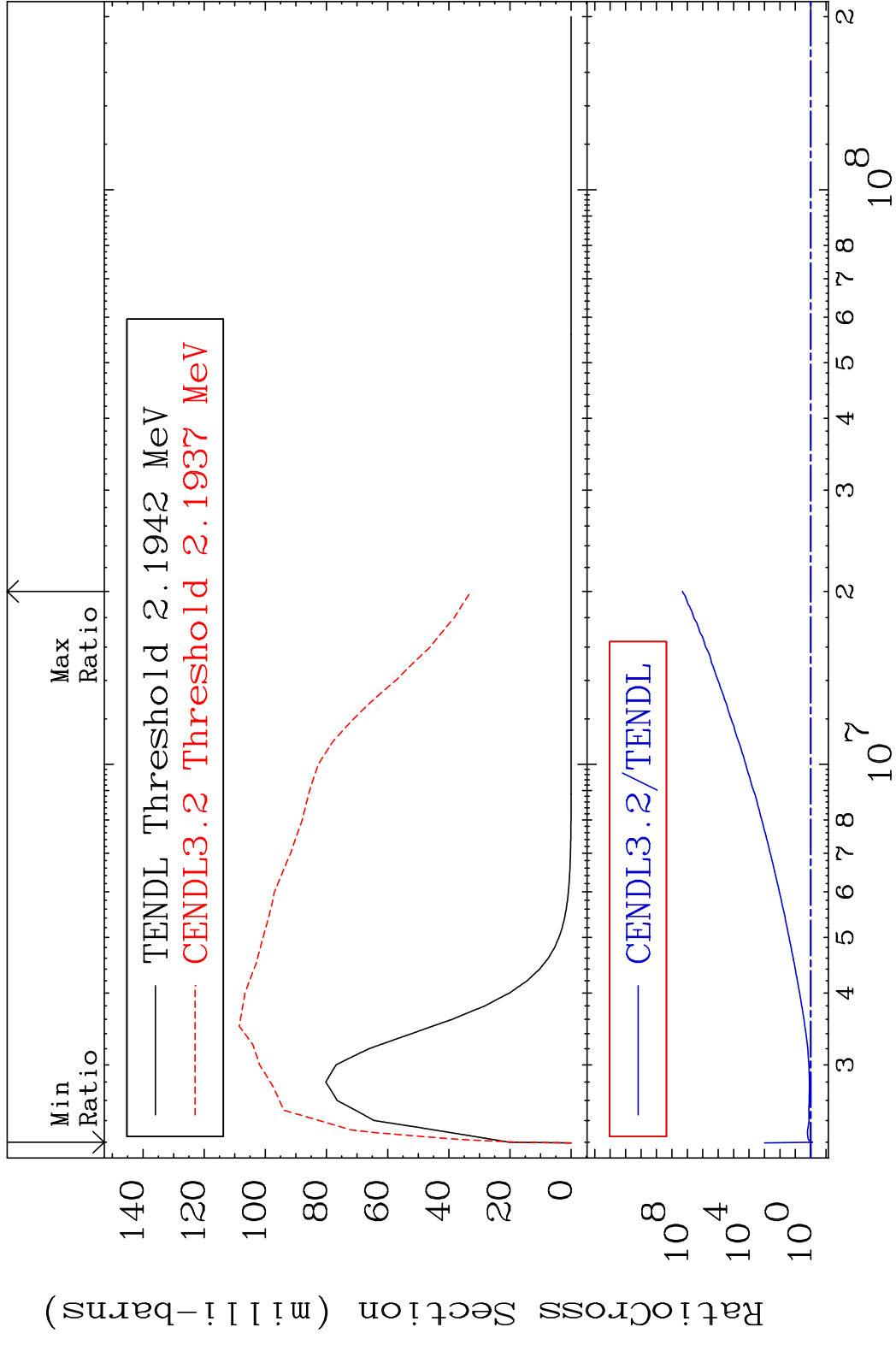
15 60-Nd-144



MAT 6031 MT= 59 (n, n') Level 60-Nd-144  
 Cross Section 36.83 To 5410. %

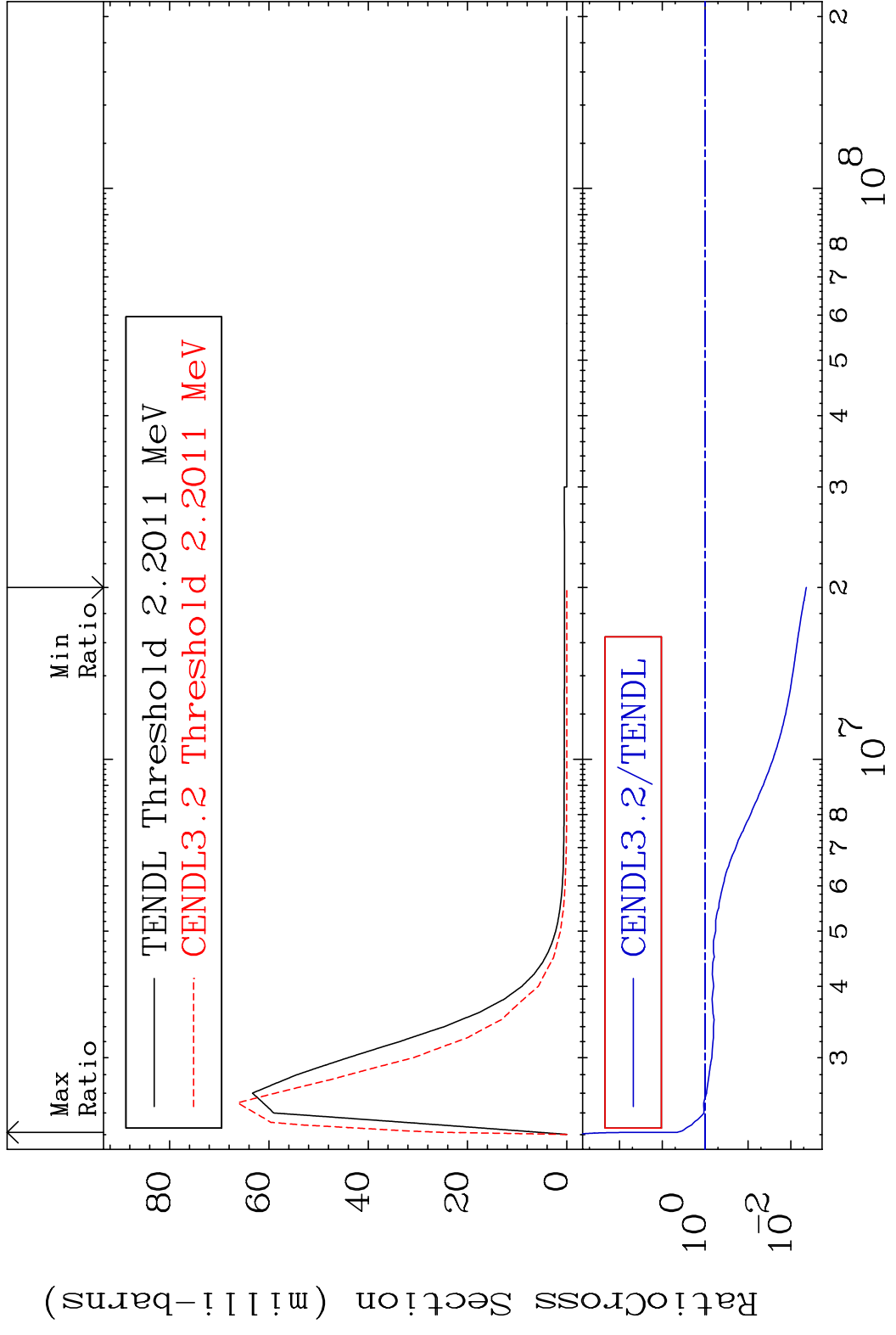


MAT 6031 MT= 60 (n, n') Level 60-Nd-144  
 Cross Section -23.74 To 9999. %

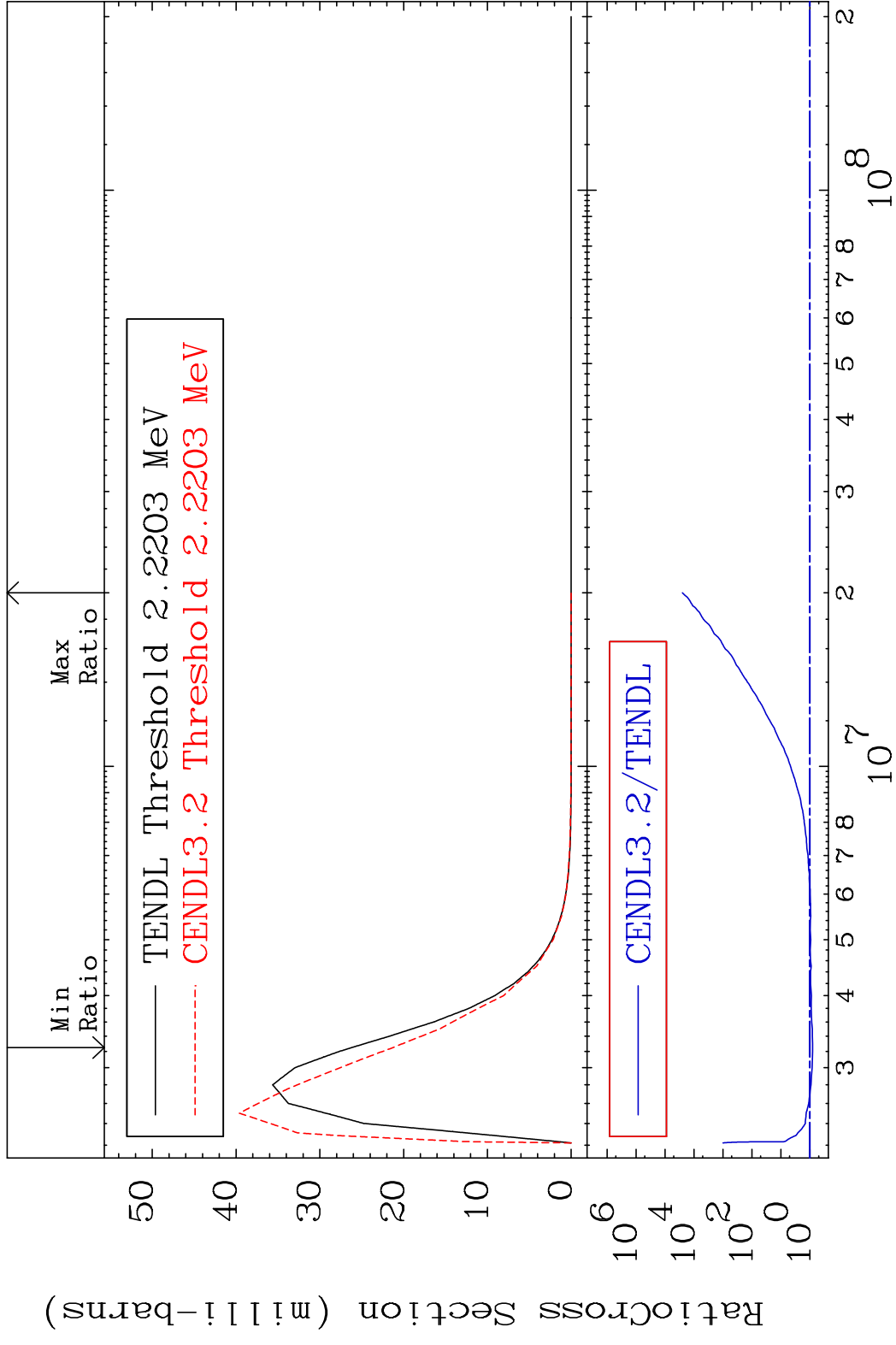


17 Incident Energy (eV) 60-Nd-144

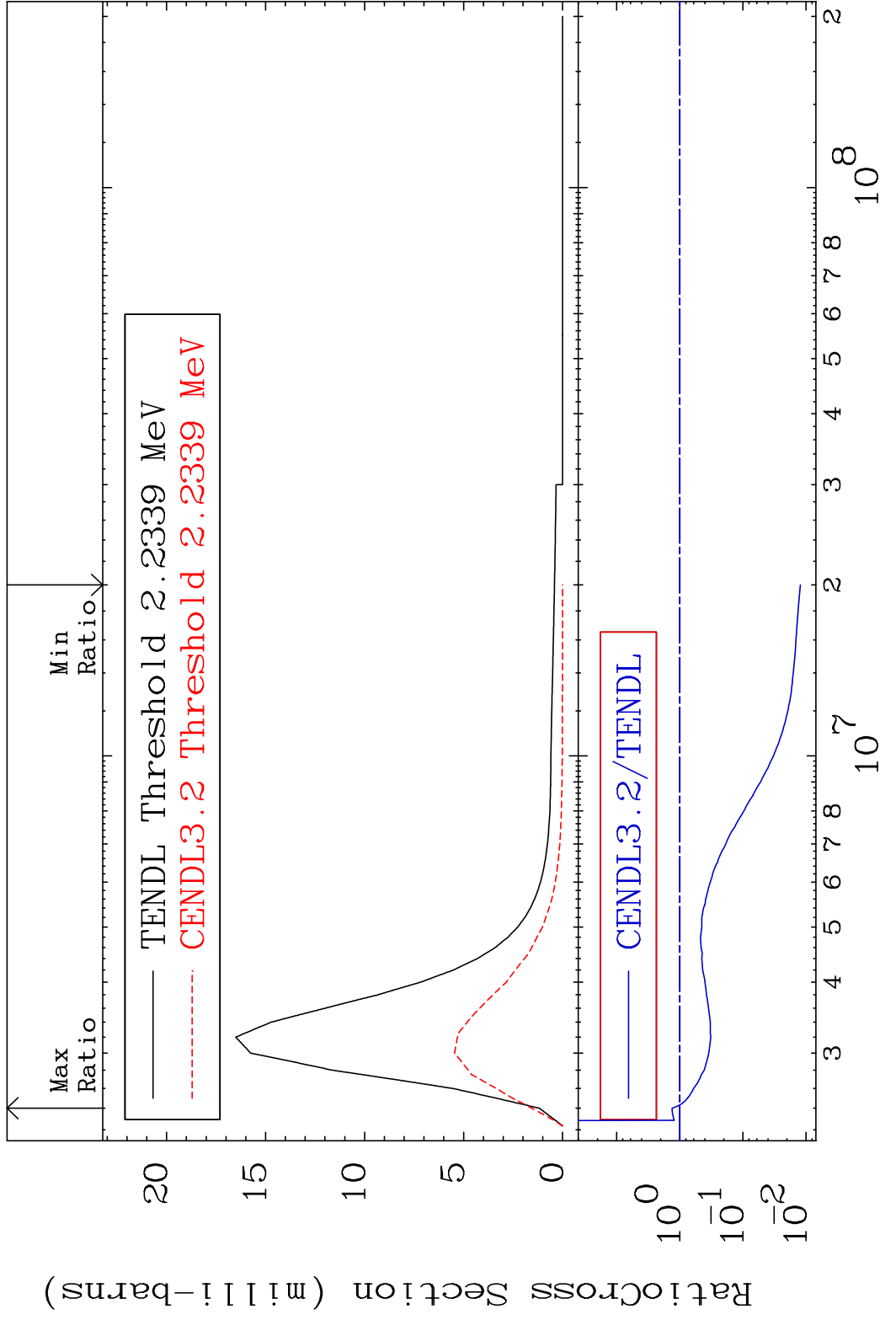
MAT 6031 MT= 61 (n, n') Level 60-Nd-144  
 Cross Section -99.57 To 348.9 %



MAT 6031 MT= 62 (n, n') Level 60-Nd-144  
 Cross Section -18.81 To 9999. %

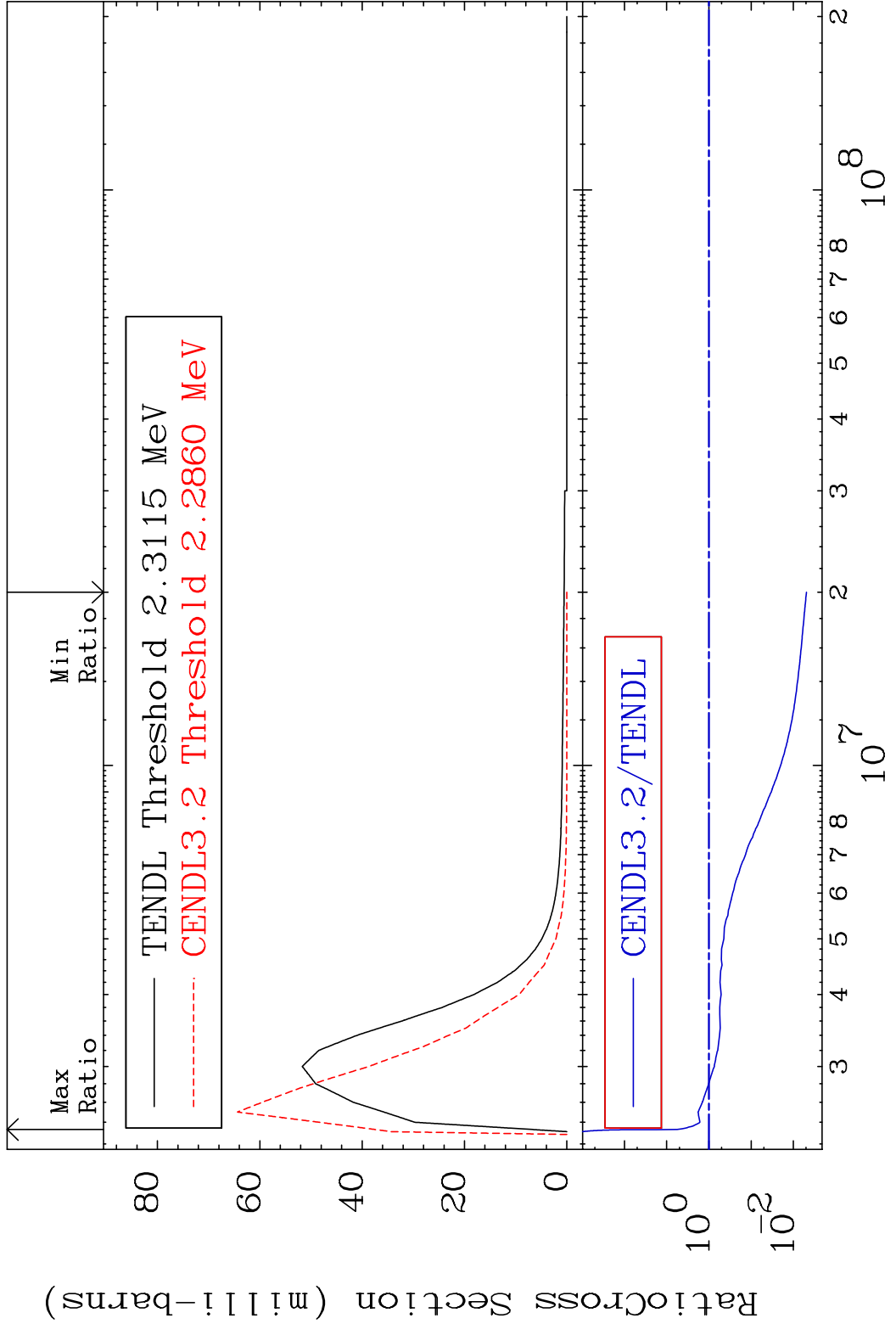


MAT 6031 MT= 63 (n, n') Level 60-Nd-144  
 Cross Section -98.77 To 31.97 %

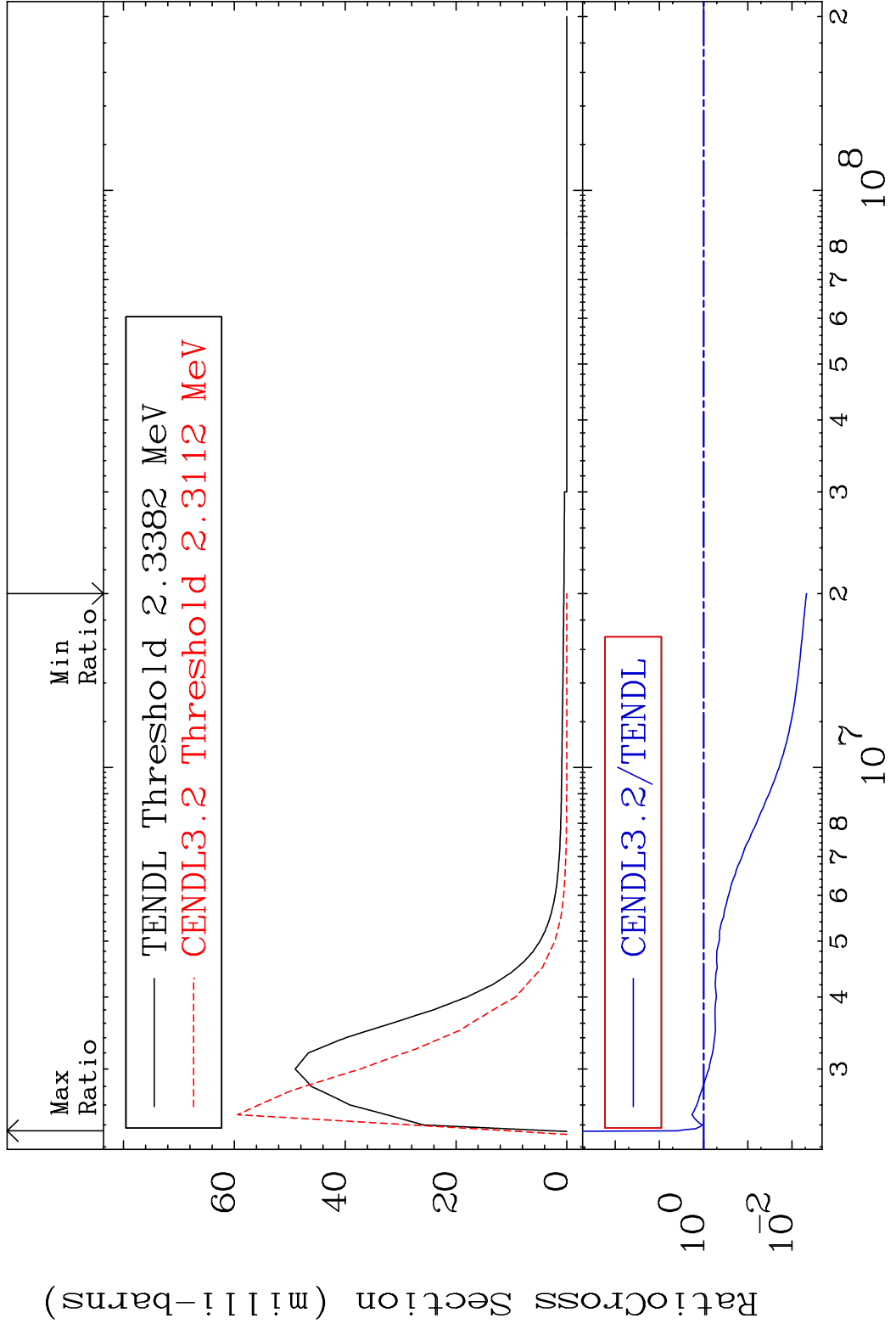


20 Incident Energy (eV) 60-Nd-144

MAT 6031 MT= 64 (n,n') Level 60-Nd-144  
 Cross Section -99.51 To 463.4 %



MAT 6031 MT= 65 (n,n') Level 60-Nd-144  
 Cross Section -99.53 To 296.3 %

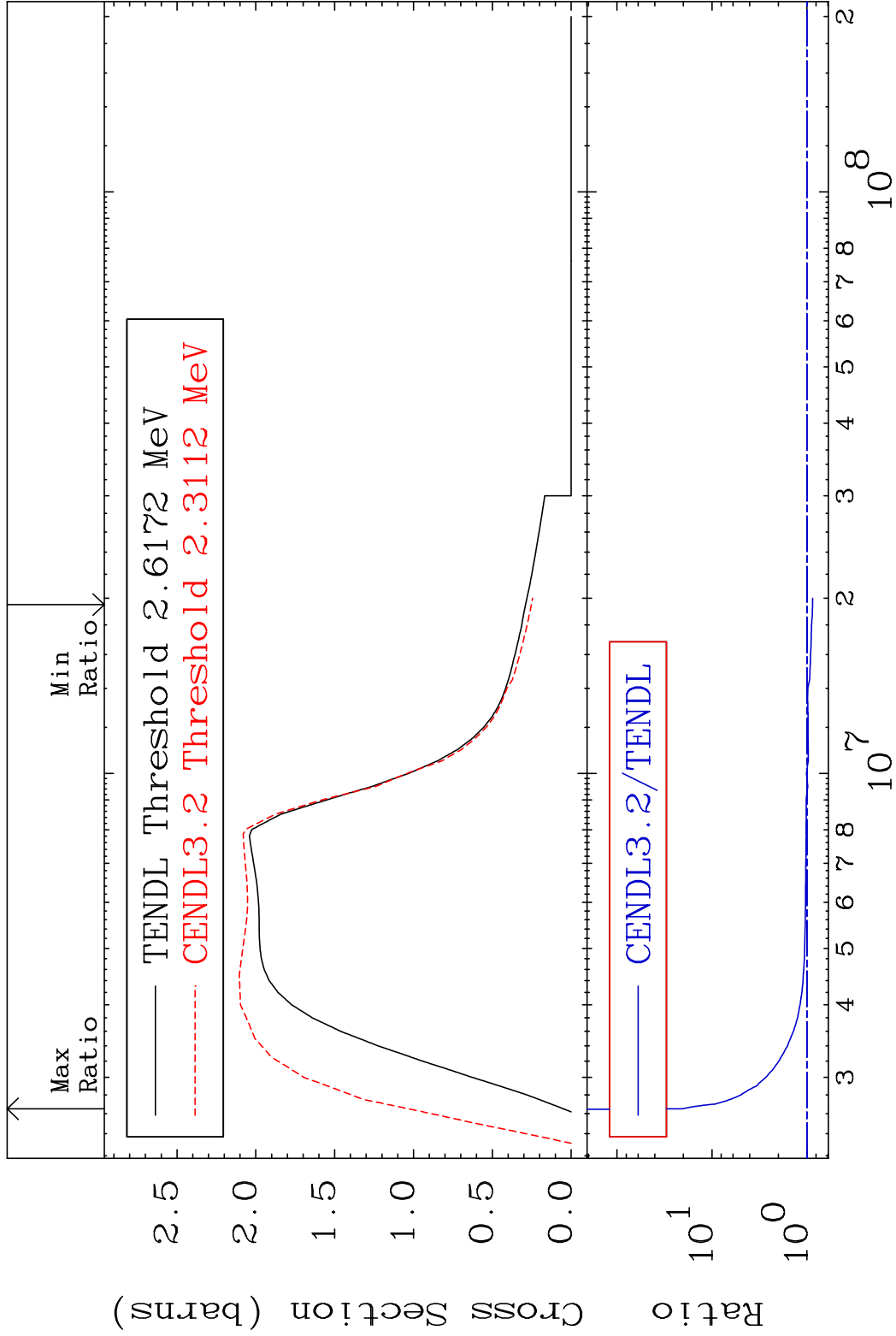


MAT 6031

(n,n') Continuum

60-Nd-144

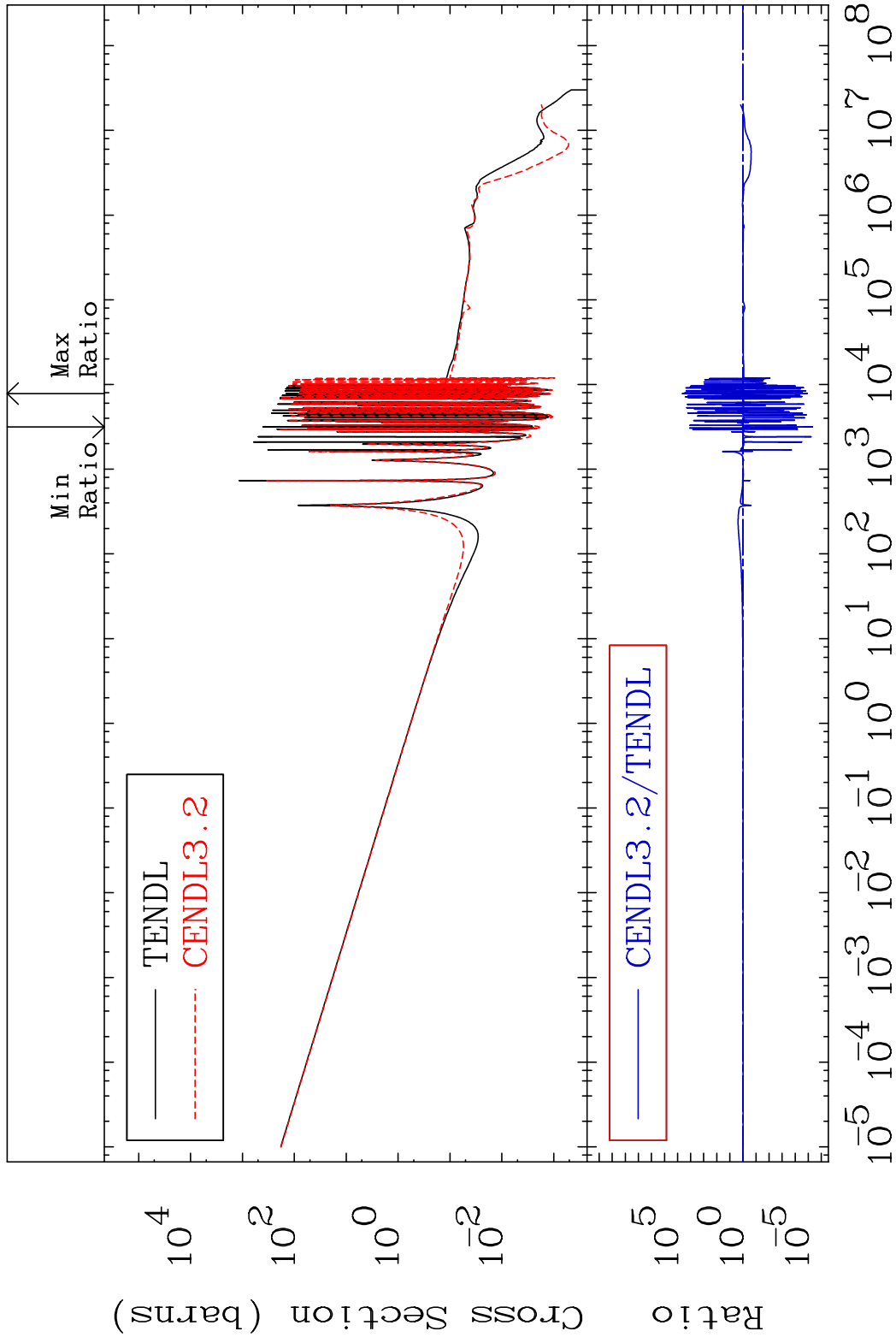
Cross Section -12.78 To 1951. %





MAT 6031

(n,  $\gamma$ )  
Cross Section -100.0 To 9999. %  
60-Nd-144



24

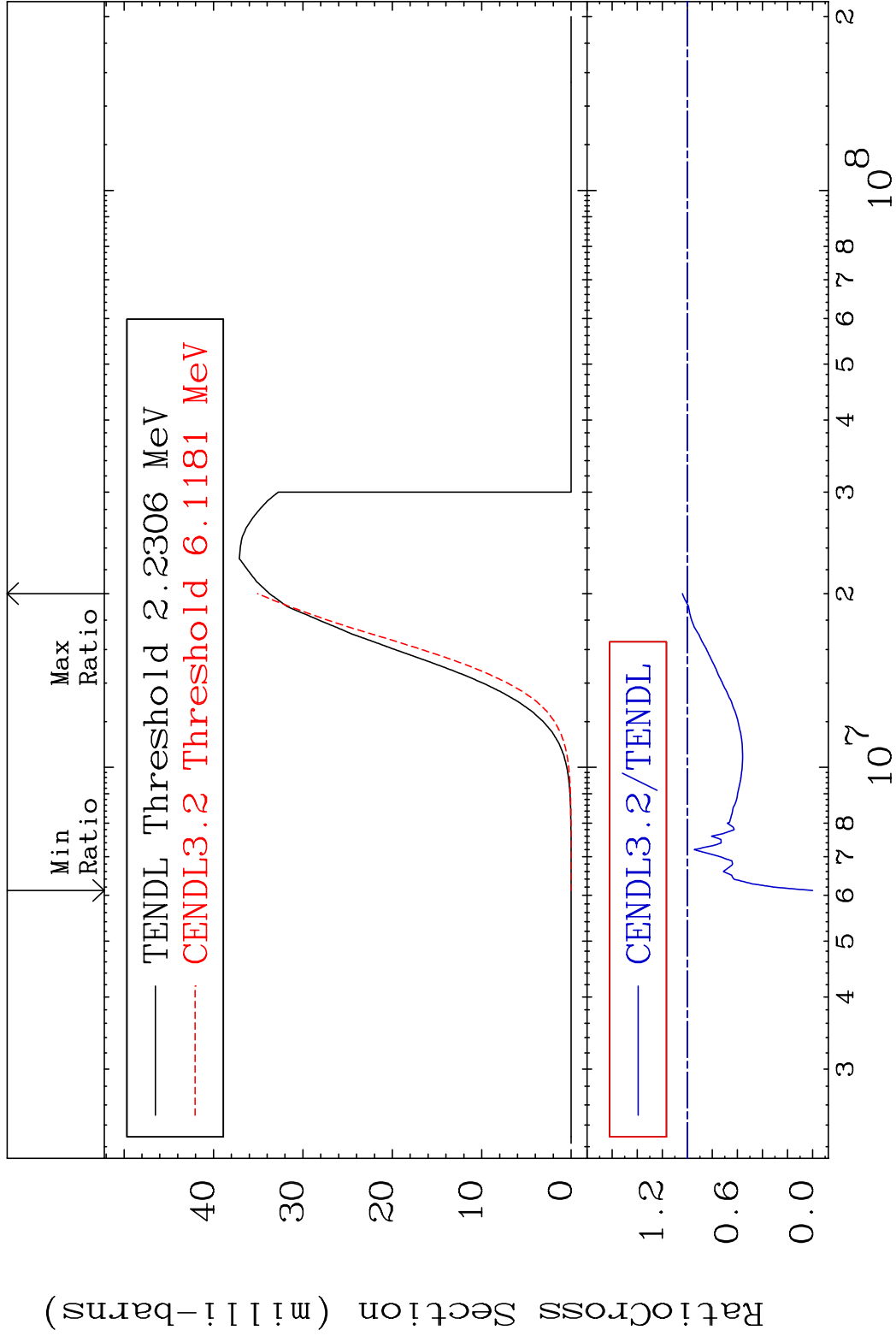
Incident Energy (eV) 60-Nd-144

MAT 6031

60-Nd-144

(n, p)

Cross Section -100.0 To 3.975 %

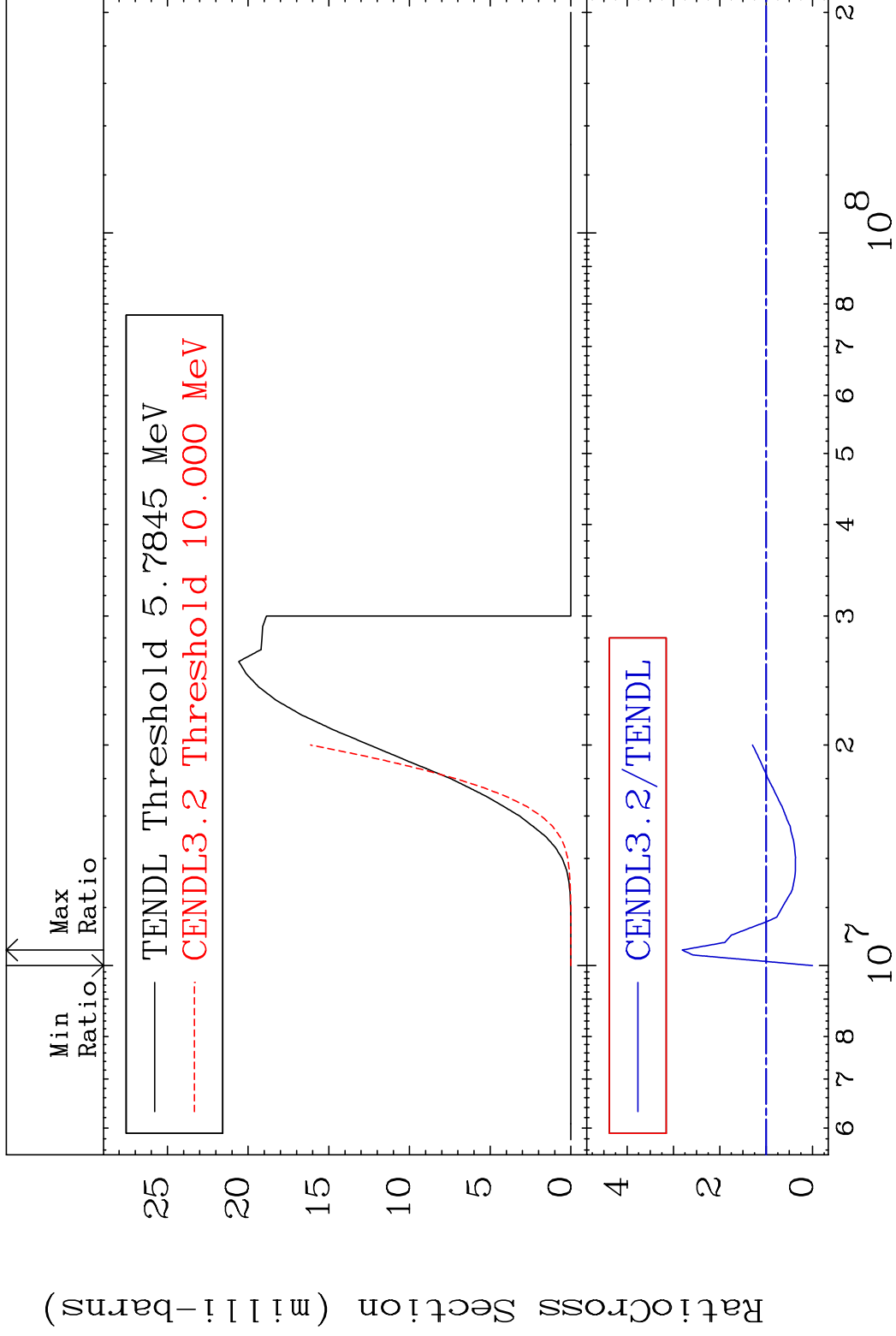


MAT 6031

(n, d)

60-Nd-144

Cross Section -100.0 To 181.2 %



26

Incident Energy (eV)

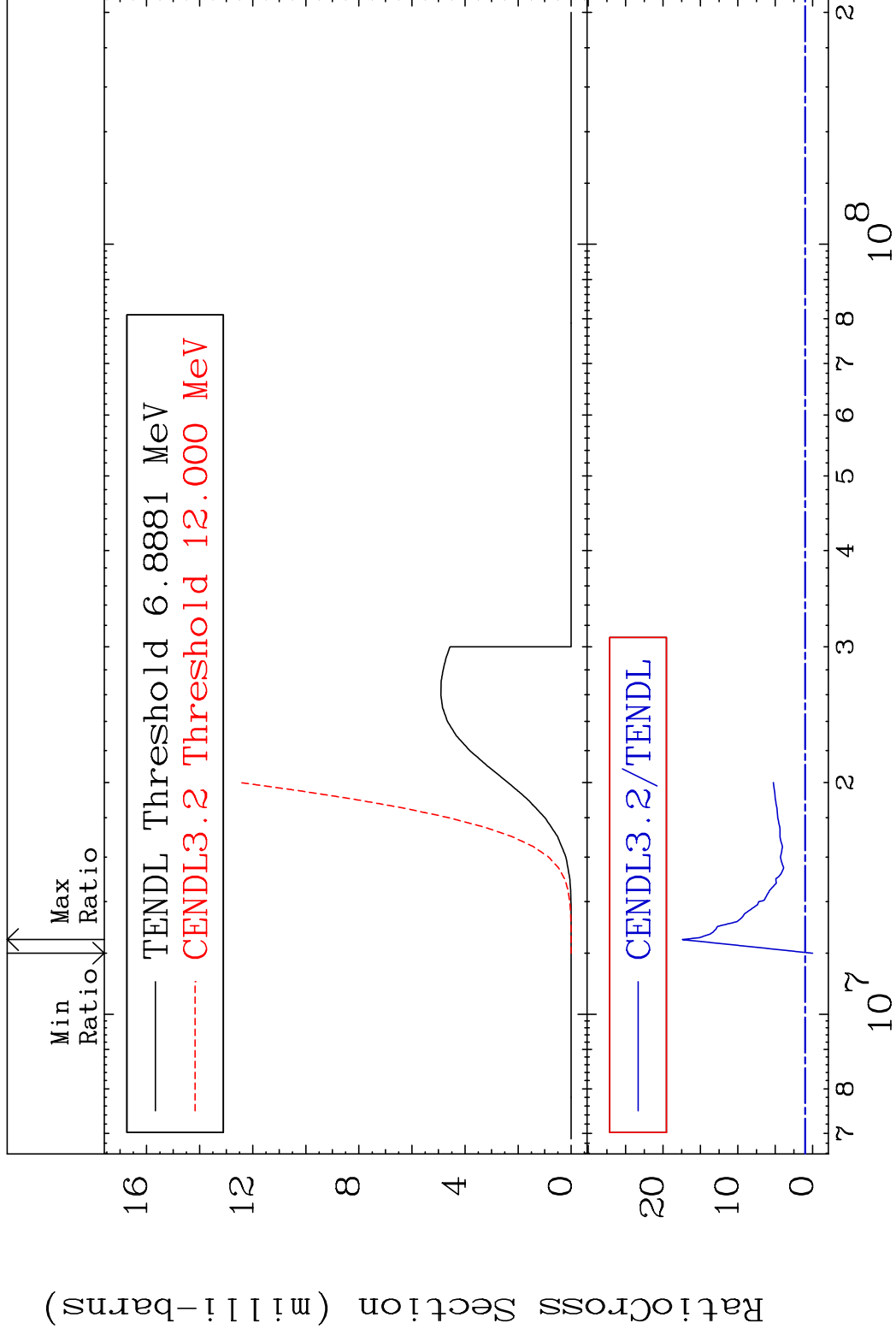
60-Nd-144

MAT 6031

(n, t)

60-Nd-144

Cross Section -100.0 To 1641. %



27

Incident Energy (eV)

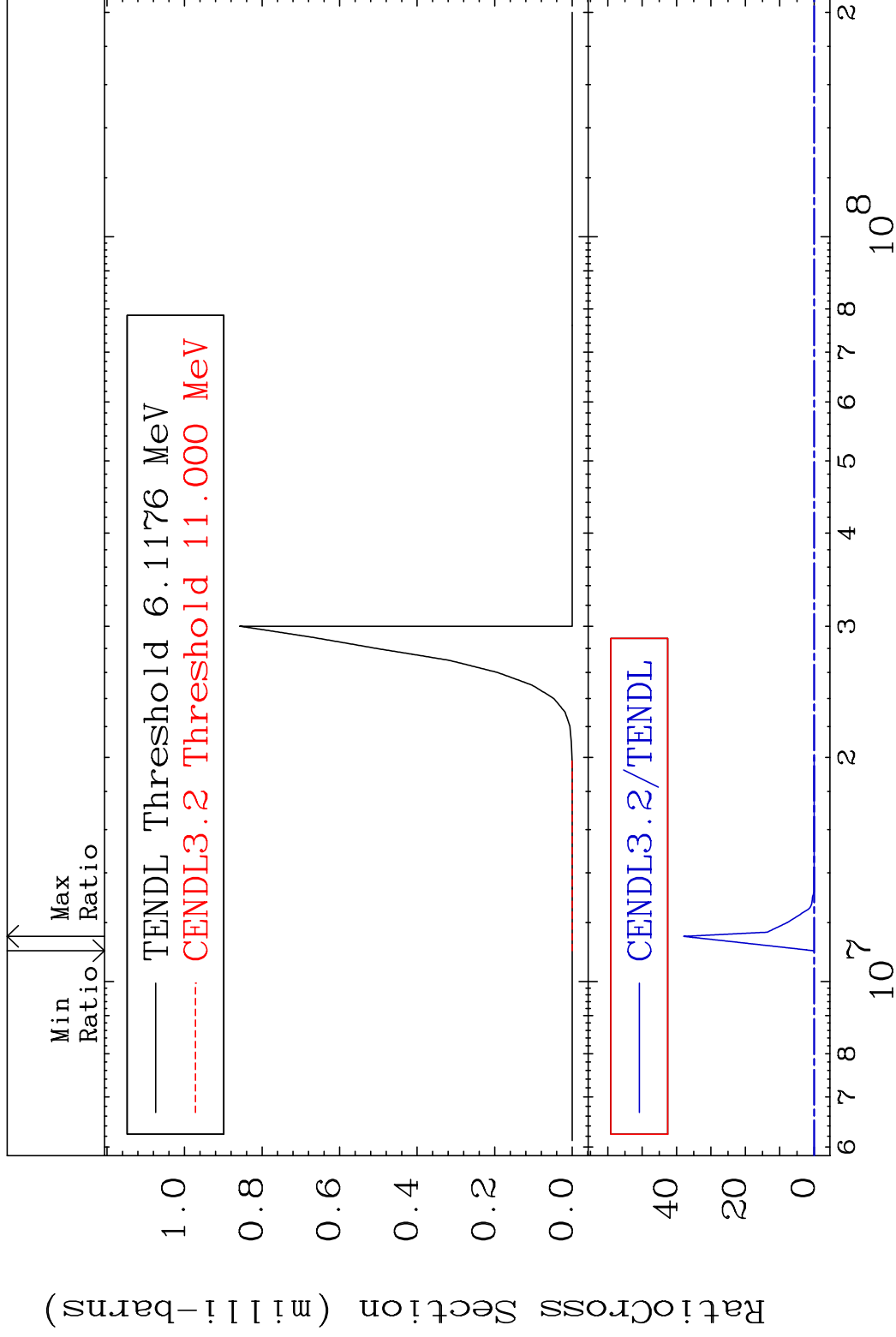
60-Nd-144

MAT 6031

(n, He-3)

60-Nd-144

Cross Section -100.0 To 9999. %



28

Incident Energy (eV)

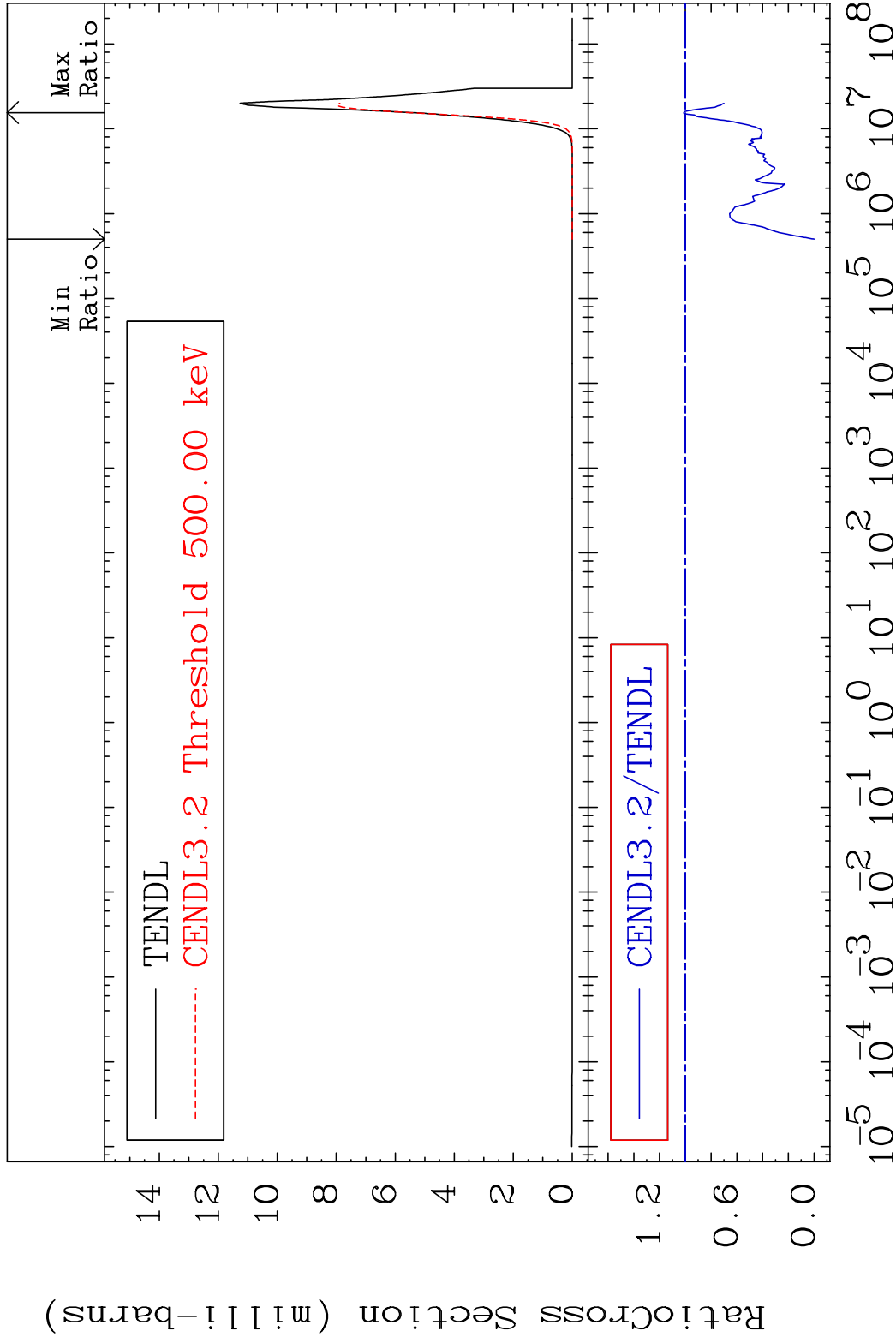
60-Nd-144

MAT 6031

(n,  $\alpha$ )

60-Nd-144

Cross Section -100.0 To 1.290 %

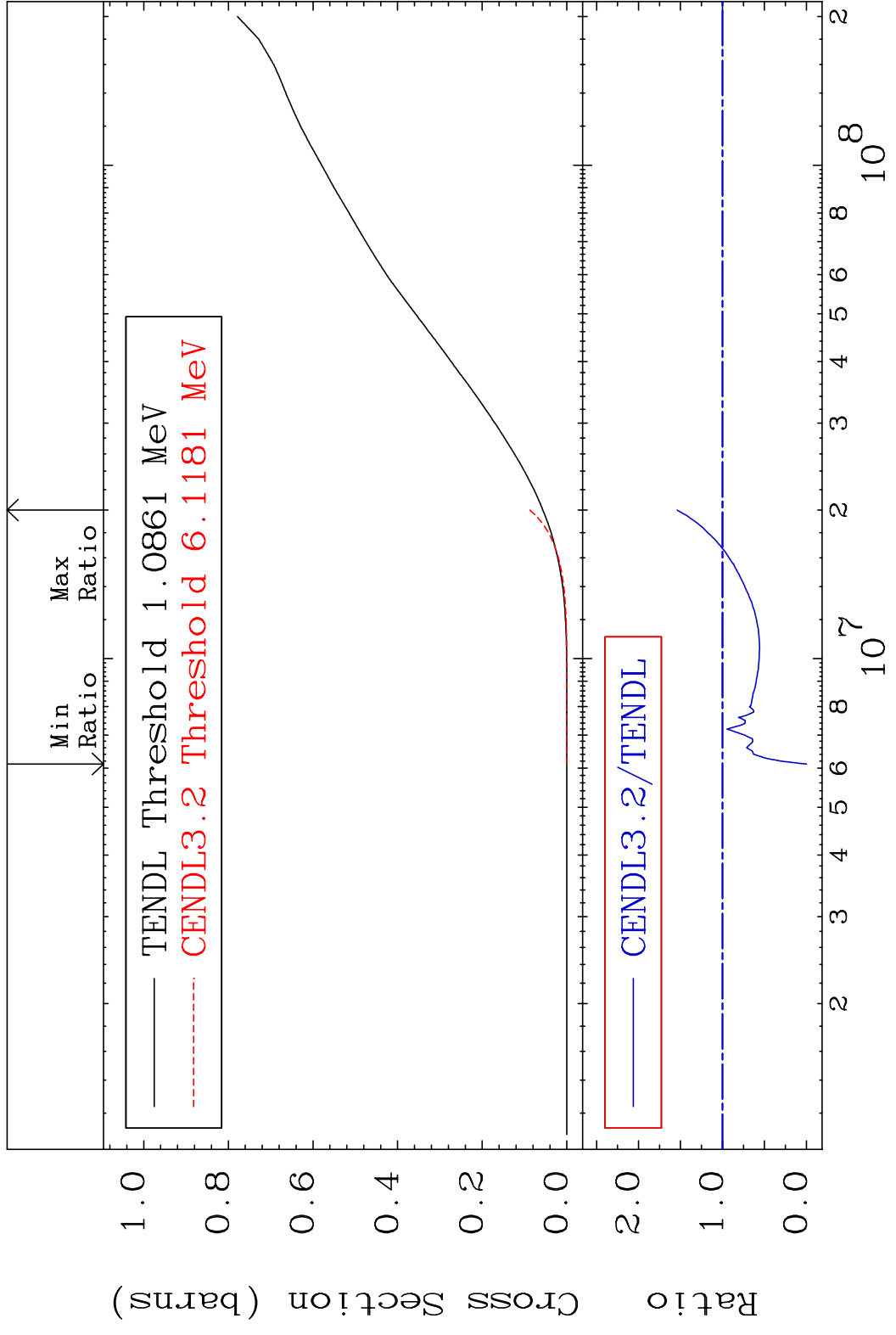


29

Incident Energy (eV)

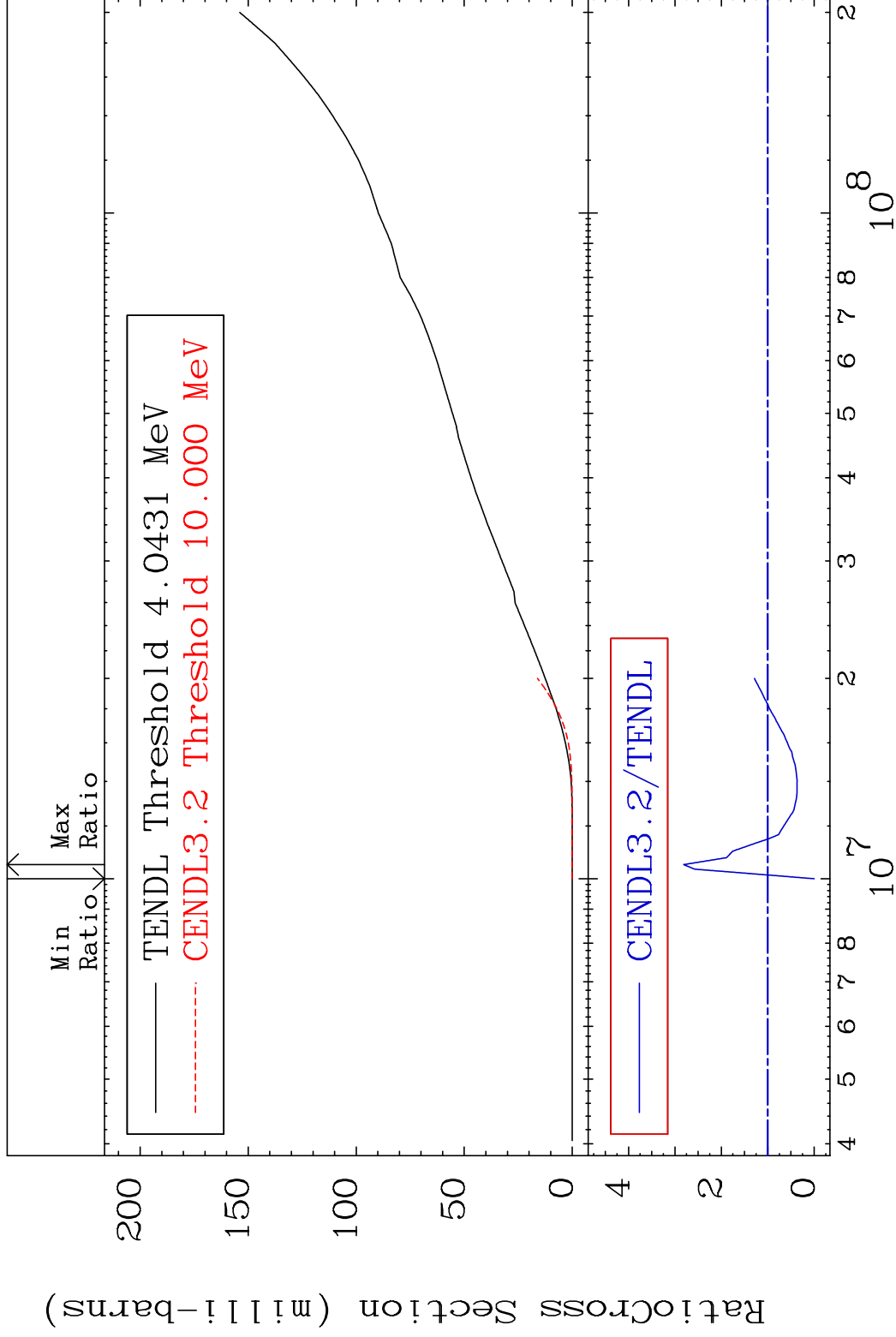
60-Nd-144

MAT 6031 Hydrogen Production 60-Nd-144  
 Cross Section -100.0 To 53.94 %



MAT 6031

Deuterium Production 60-Nd-144  
Cross Section -100.0 To 181.2 %



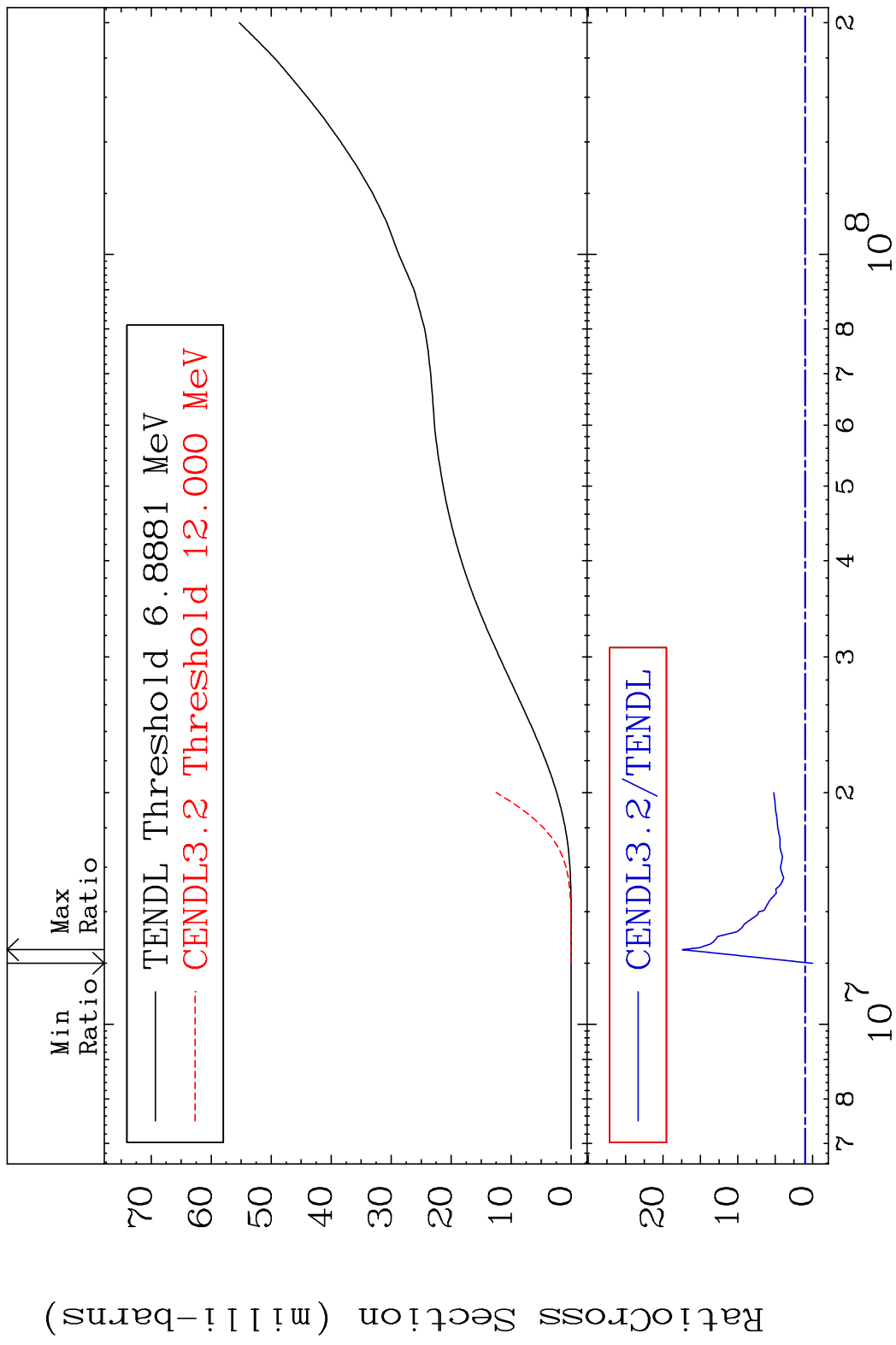
31

Incident Energy (eV)

60-Nd-144



MAT 6031 Tritium Production 60-Nd-144  
 Cross Section -100.0 To 1641. %

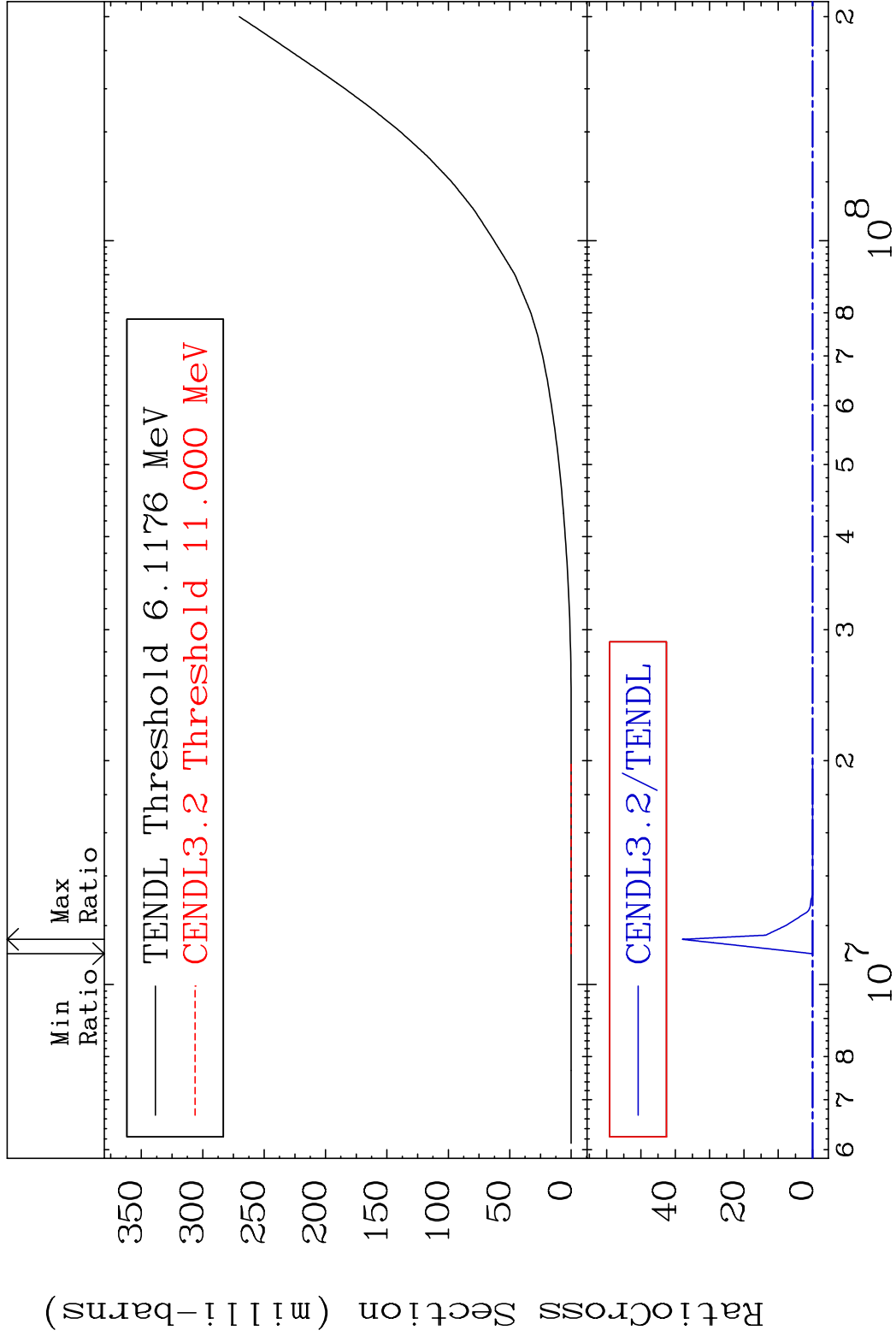


MAT 6031

He-3 Production

60-Nd-144

Cross Section -100.0 To 9999. %



33

Incident Energy (eV)

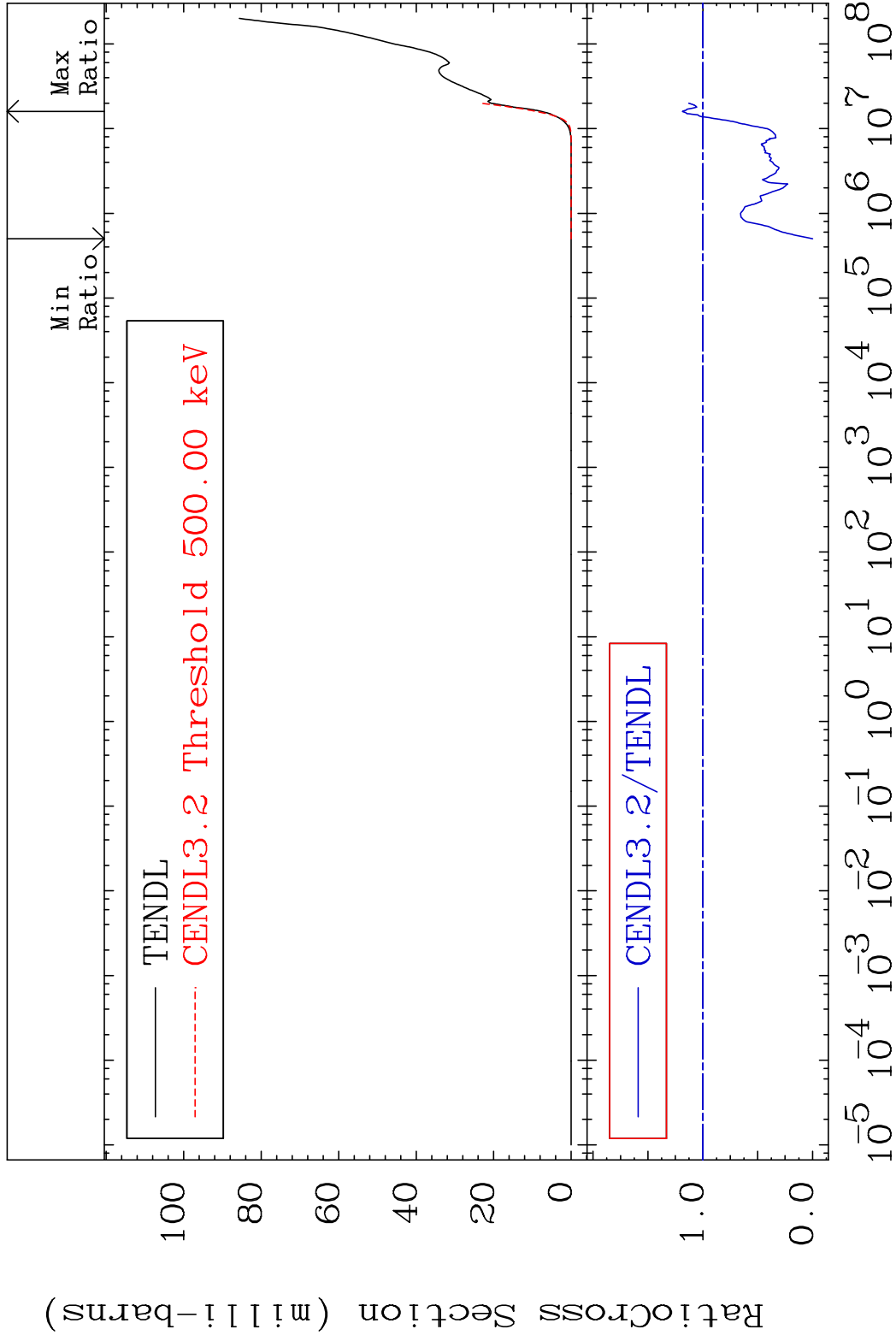
60-Nd-144

MAT 6031

He-4 Production

60-Nd-144

Cross Section -100.0 To 18.63 %

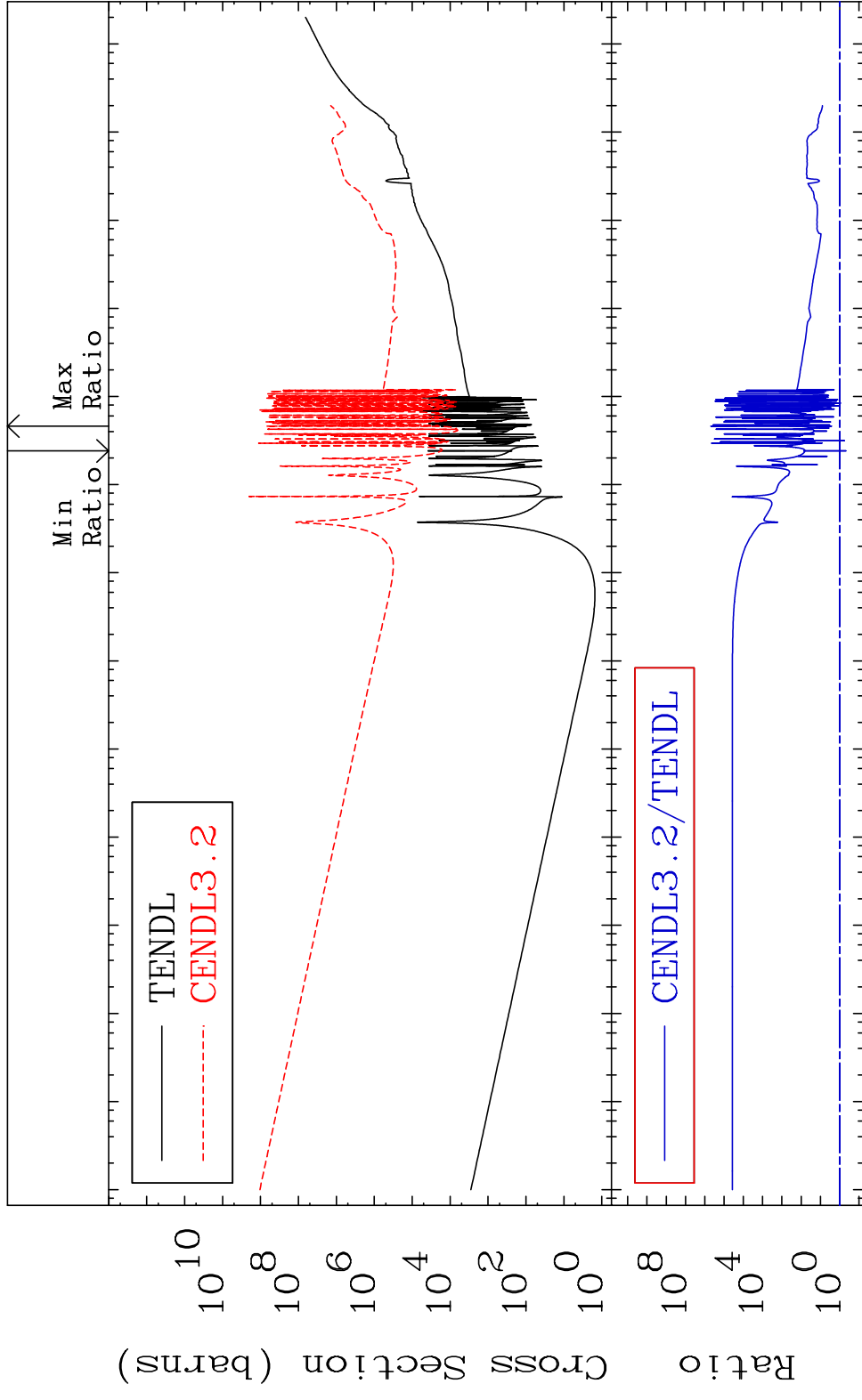


34

Incident Energy (eV)

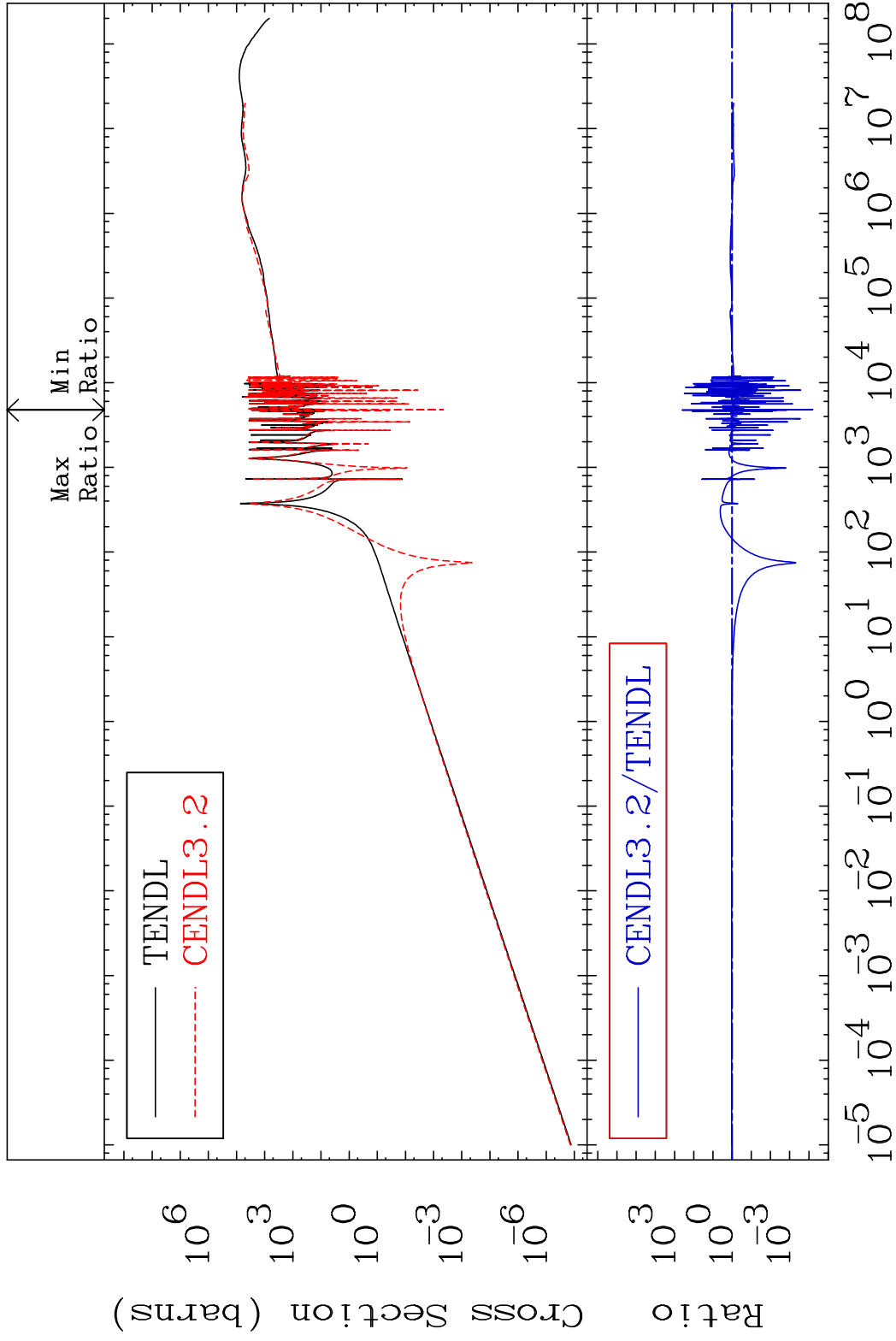
60-Nd-144

MAT 6031 Kerma total (eV-barns) 60-Nd-144  
 Cross Section -54.82 To 9999. %



MAT 6031

Kerma elastic  
Cross Section -99.99 To 9999. %  
60-Nd-144

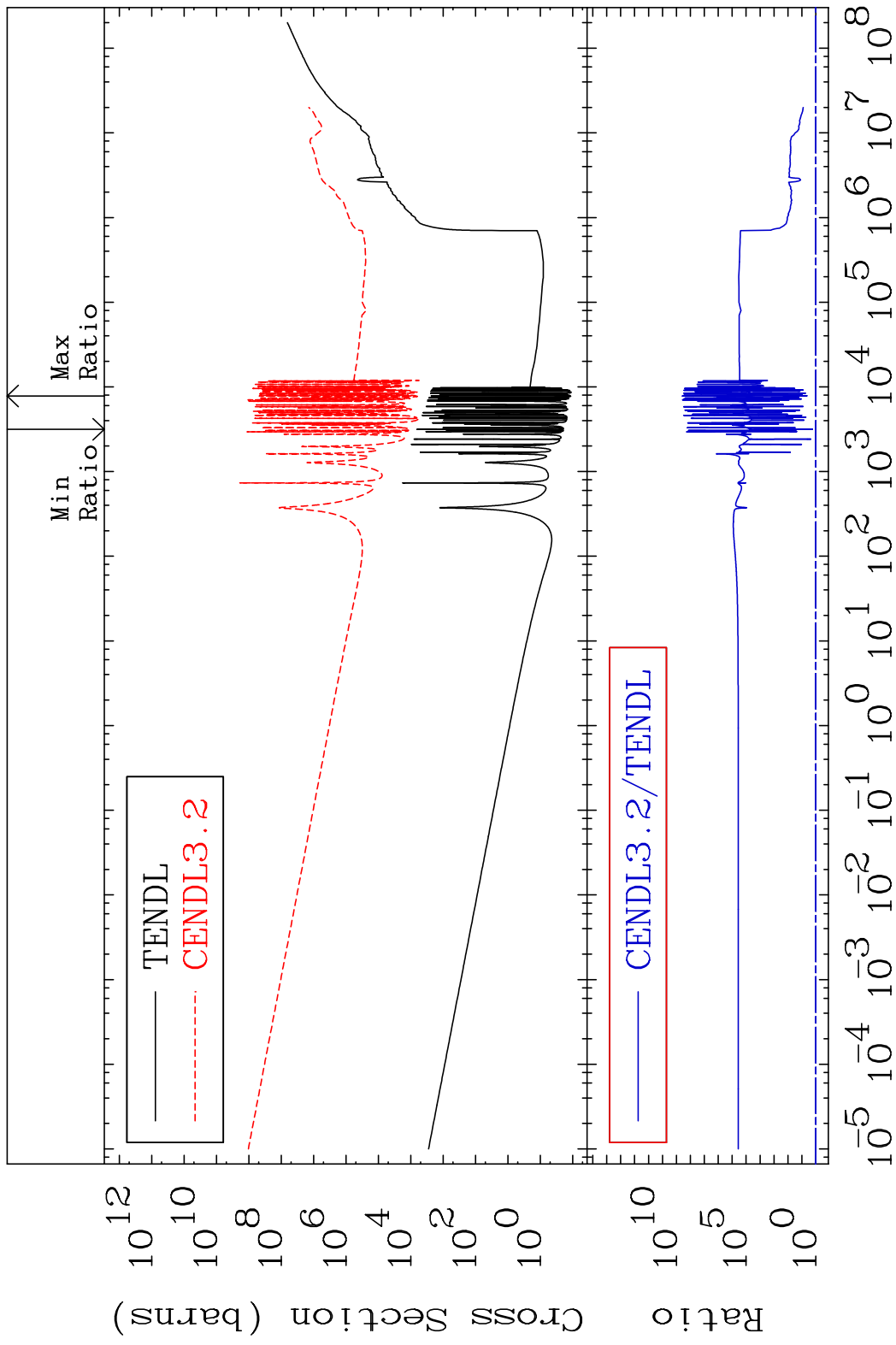


36

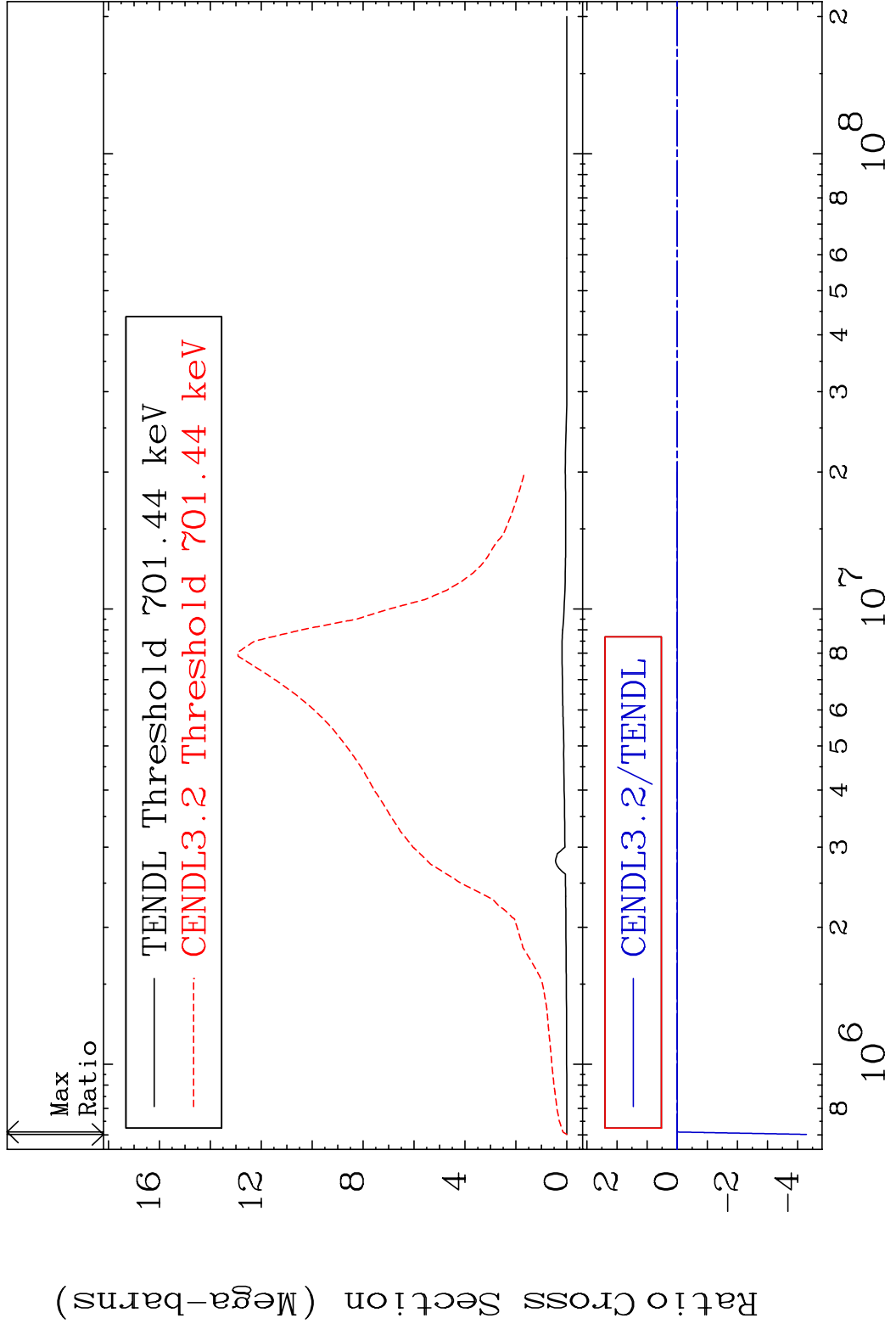
Incident Energy (eV)

60-Nd-144

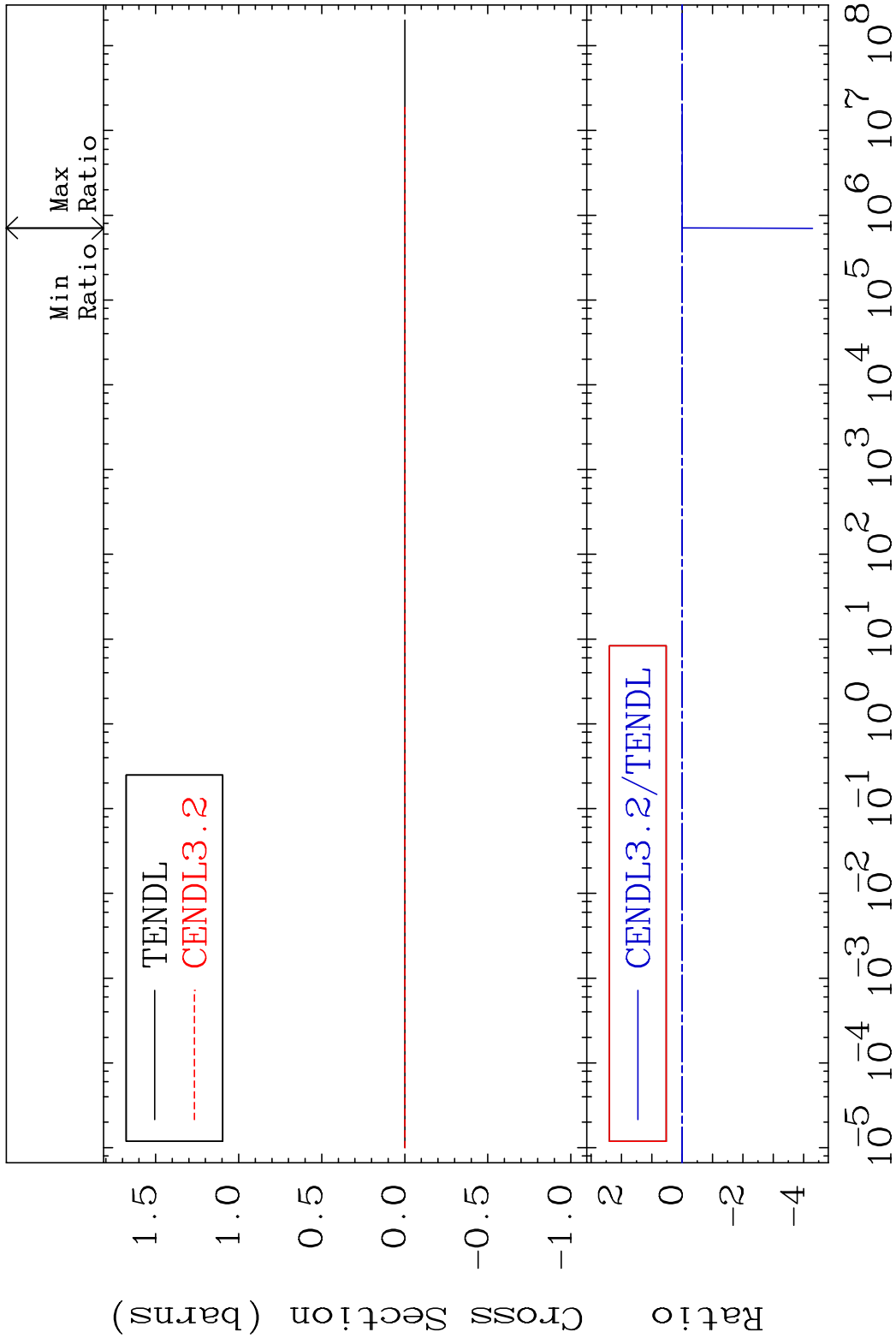
MAT 6031 Kerma non-elastic (all but mt2) 60-Nd-144  
 Cross Section 71.31 To 9999. %



MAT 6031 Kerma inelastic (mt51-91) 60-Nd-144  
 Cross Section -9999. To 9999. %



MAT 6031 Kerma fission (mt18 or mt19-20-21-38) 60-Nd-144  
 Cross Section -9999. To 9999. %



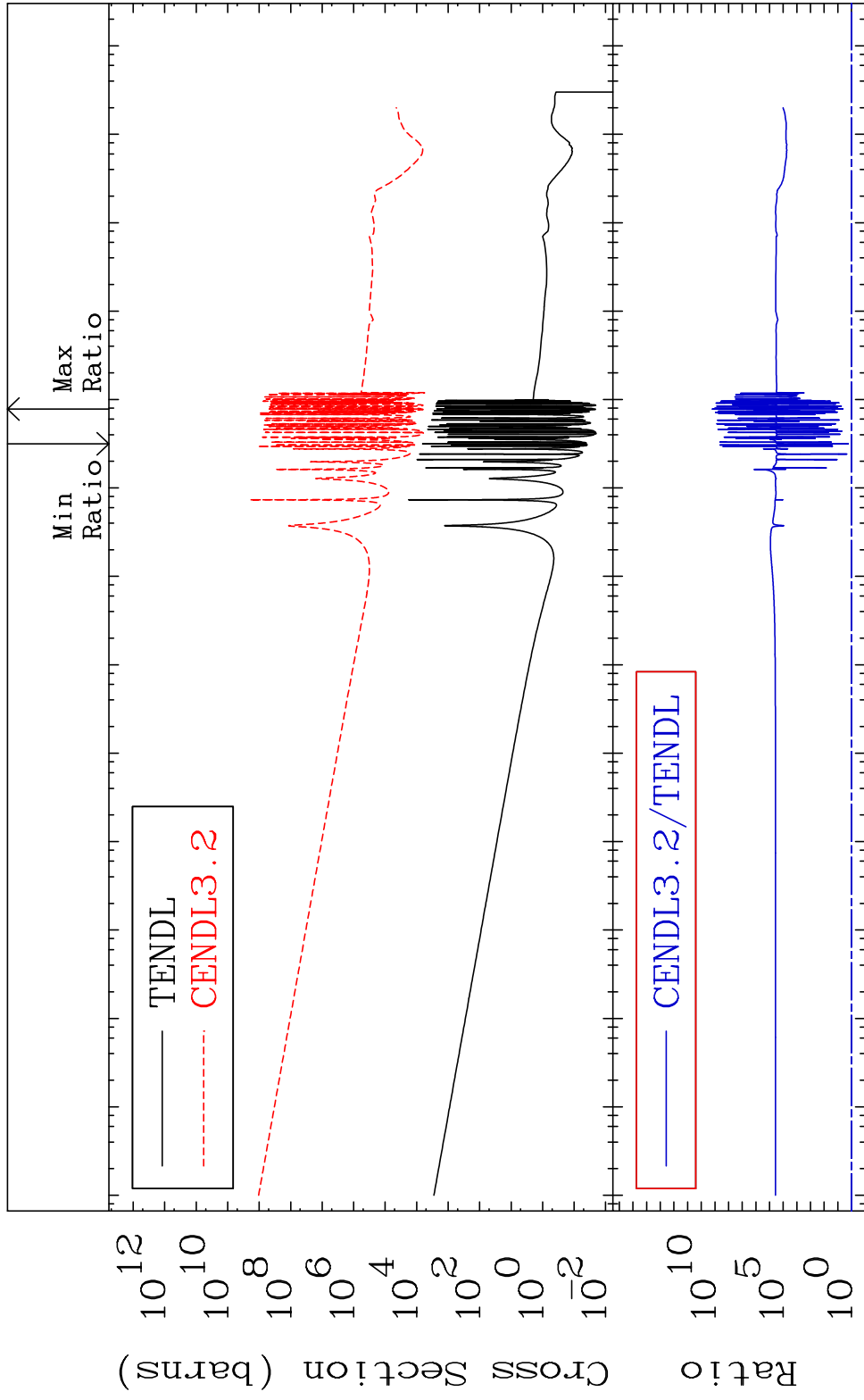


MAT 6031

Kerma capture (mt102)

60-Nd-144

Cross Section 71.31 To 9999. %

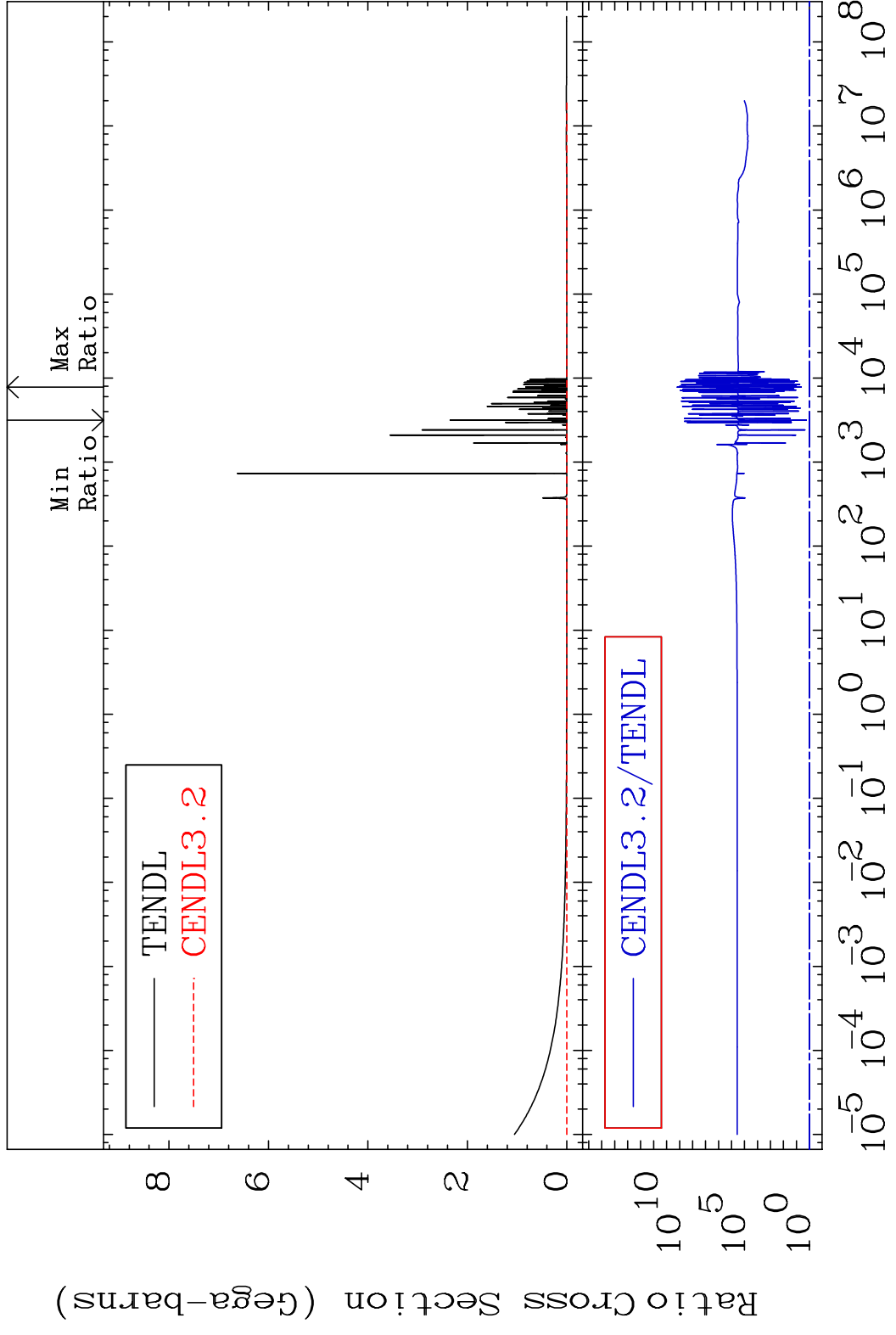


40

Incident Energy (eV)

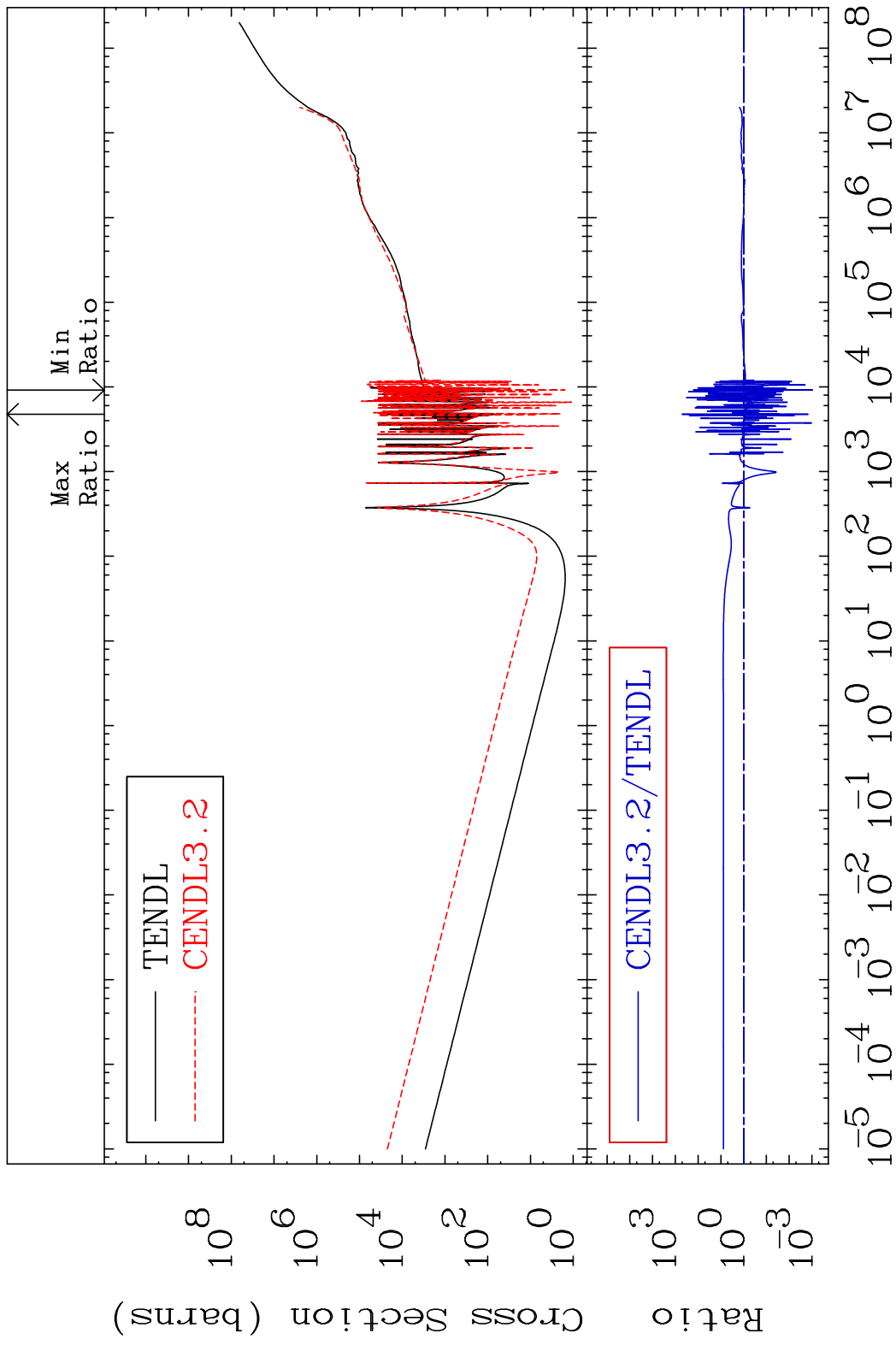
60-Nd-144

MAT 6031 Total photon (eV-barns) 60-Nd-144  
 Cross Section 71.31 To 9999. %

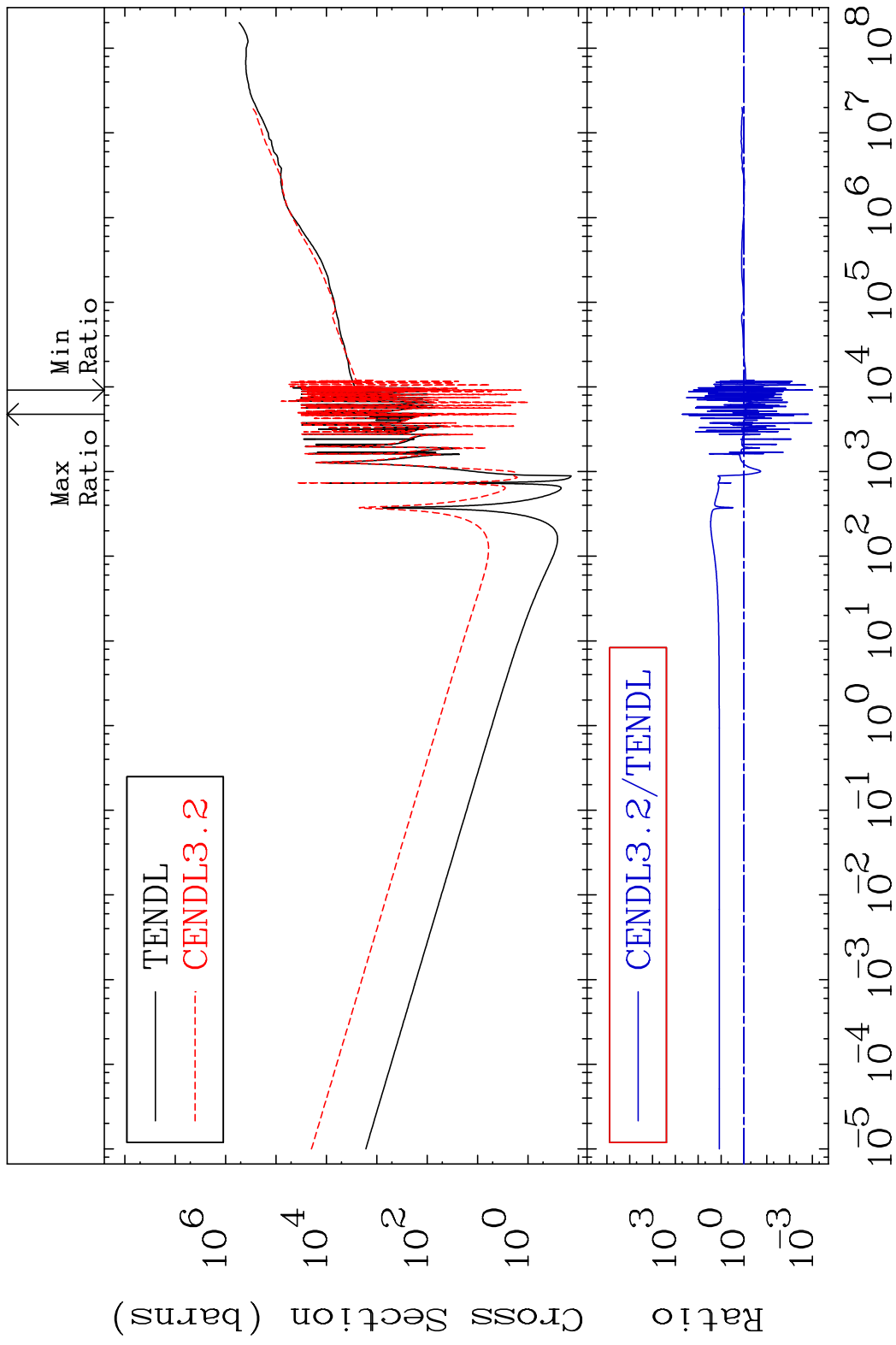


41 Incident Energy (eV) 60-Nd-144

MAT 6031 Total kinematic kerma (high limit) 60-Nd-144  
 Cross Section -99.91 To 9999. %



MAT 6031      Dpa total (eV-barns)      60-Nd-144  
 Cross Section      -99.90 To 9999. %



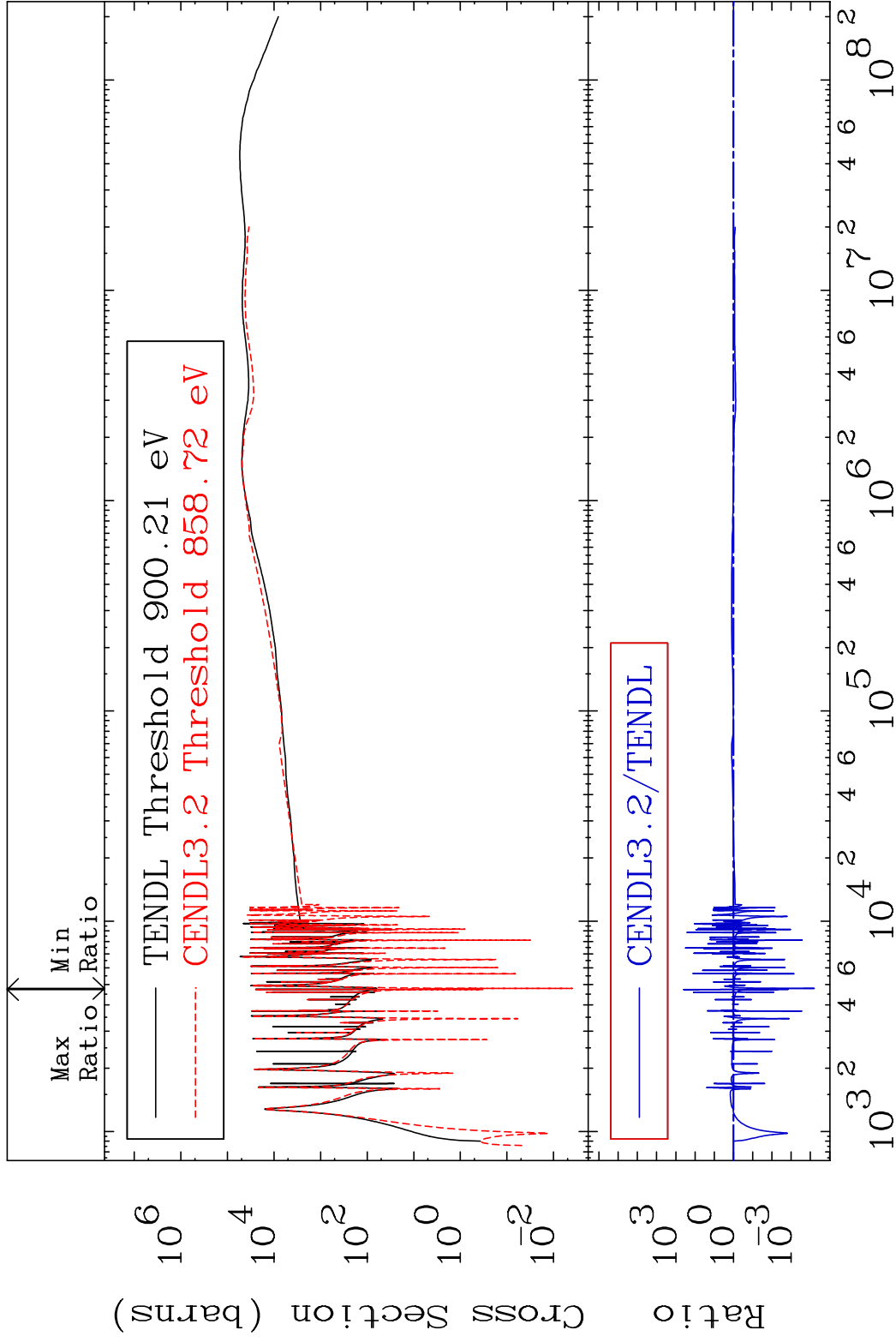
43      Incident Energy (eV)      60-Nd-144

MAT 6031

Dpa elastic (mt2)

60-Nd-144

Cross Section -99.99 To 9999. %

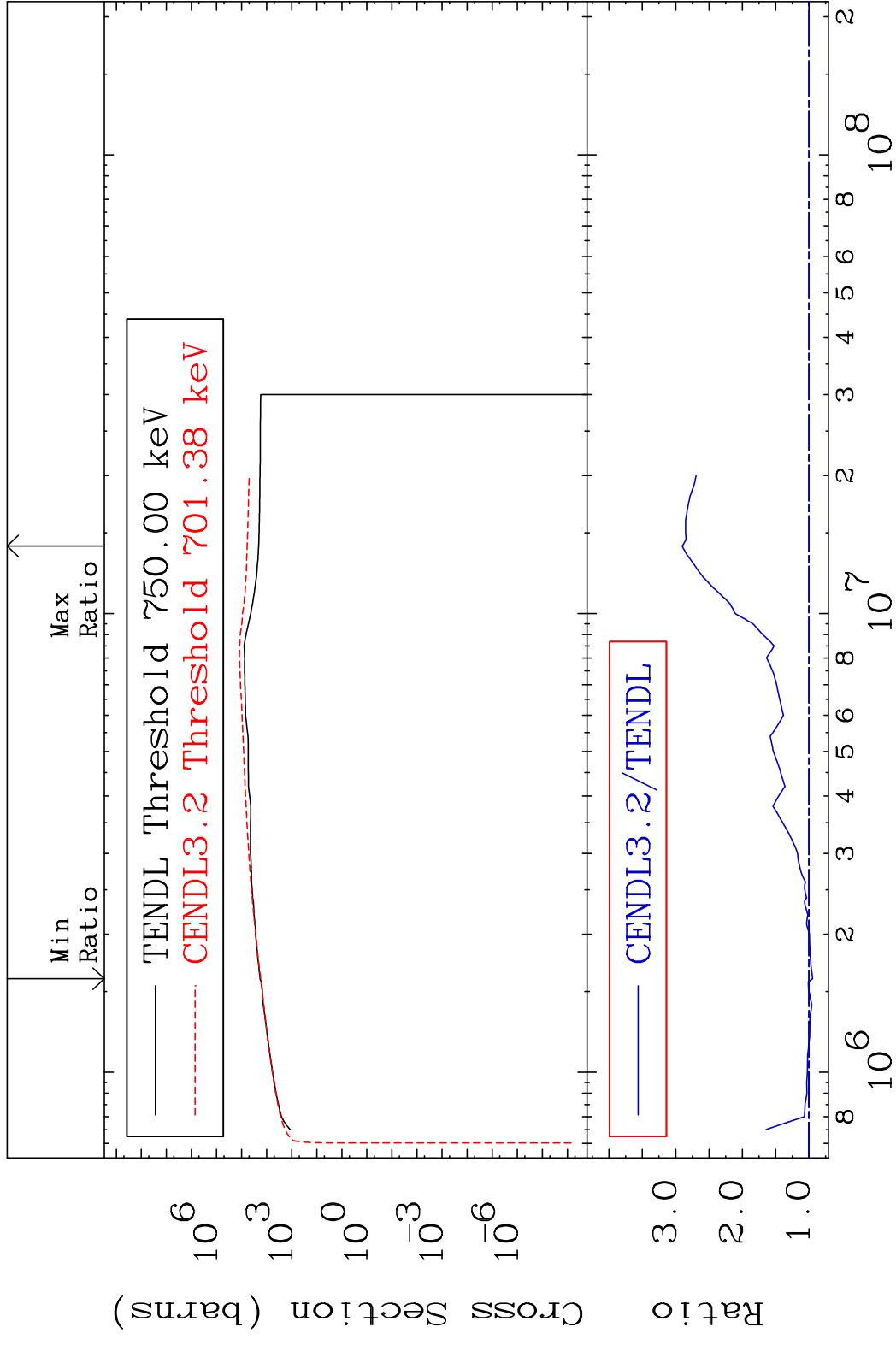


44

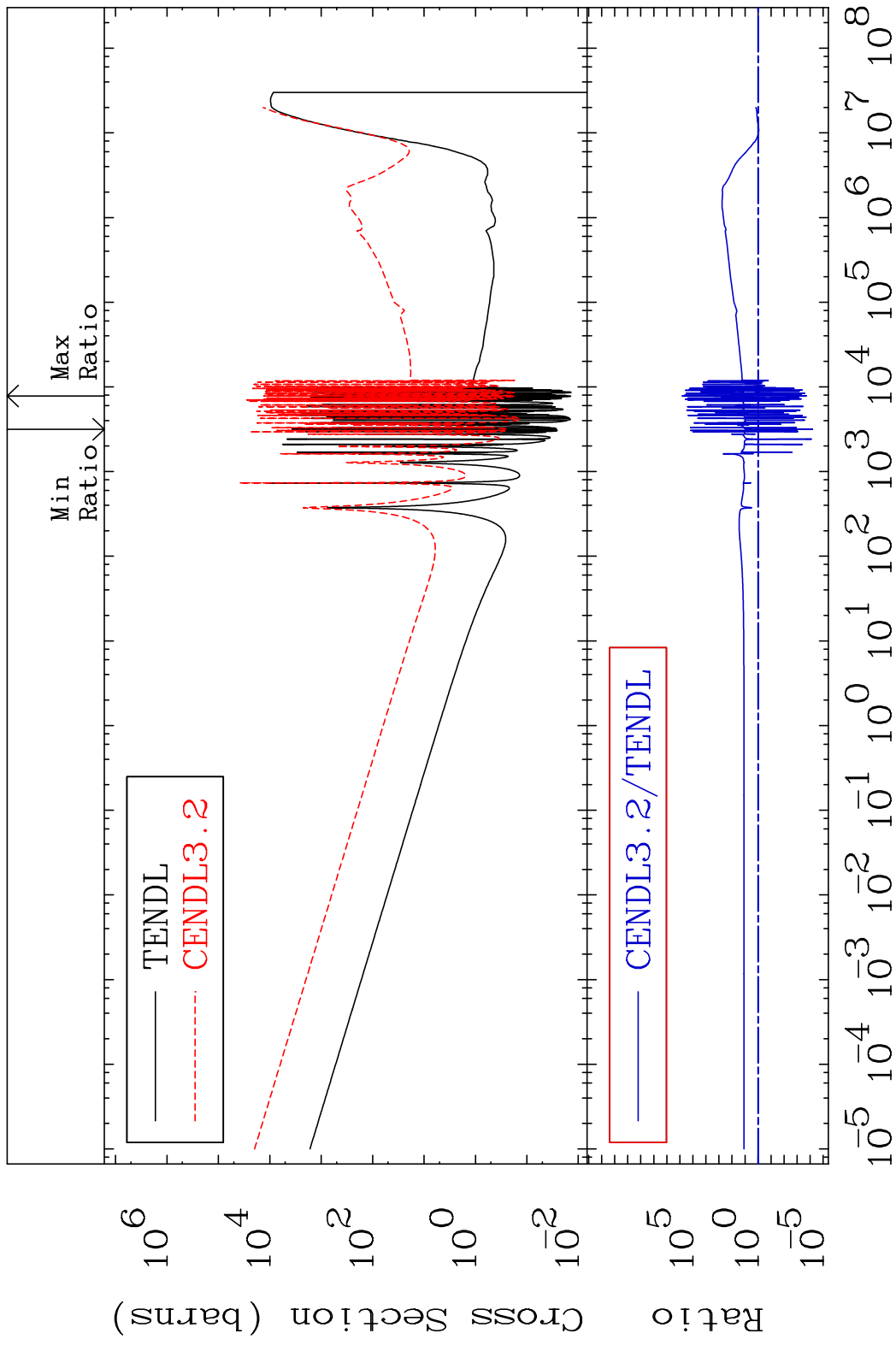
Incident Energy (eV)

60-Nd-144

MAT 6031      Dpa inelastic (mt51-91)      60-Nd-144  
 Cross Section    -5.324 To 190.0 %



MAT 6031 Dpa disappearance (mt102 -120) 60-Nd-144  
 Cross Section -99.99 To 9999. %

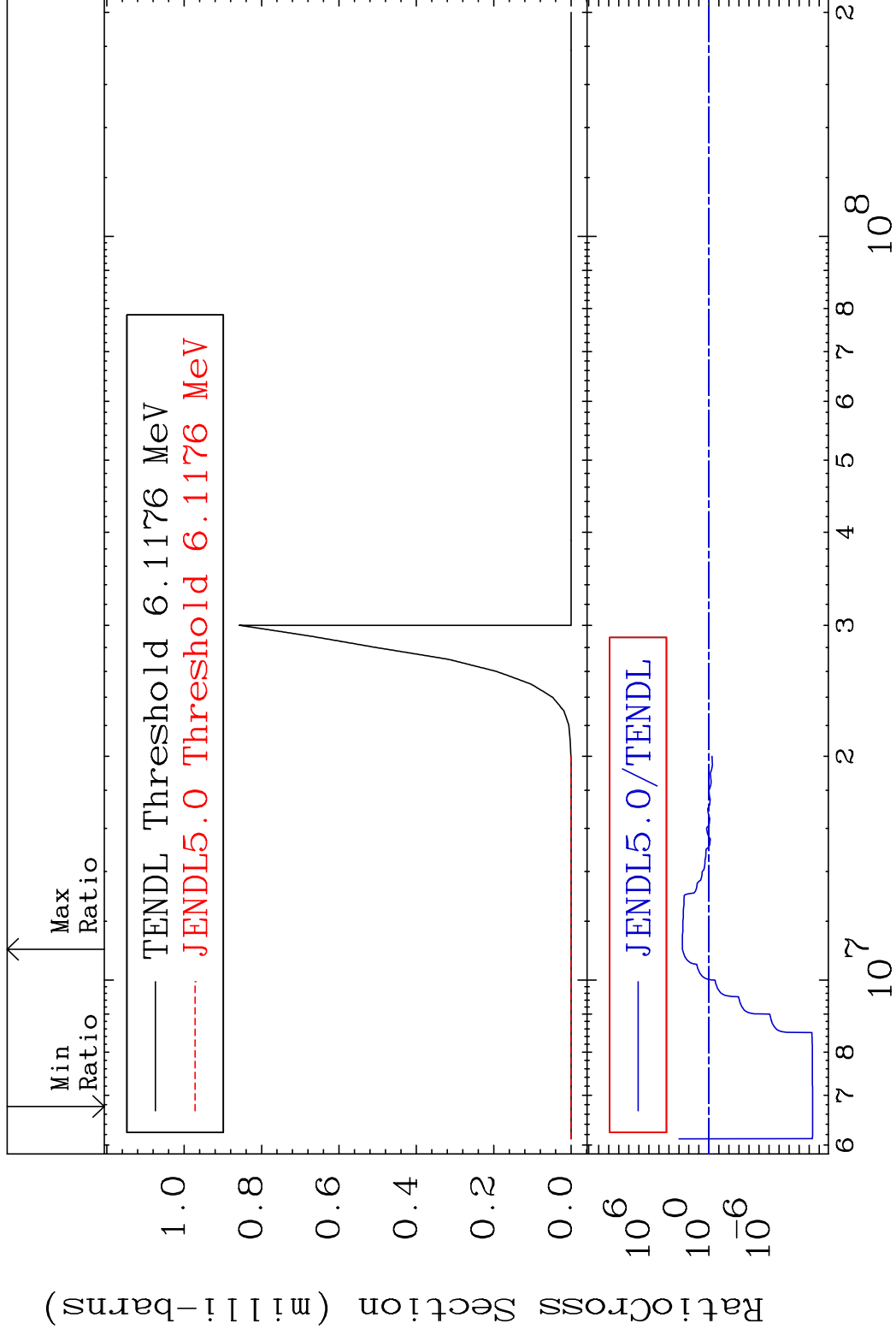


MAT 6031

(n, He-3)

60-Nd-144

Cross Section -100.0 To 9999. %



47

Incident Energy (eV)

60-Nd-144

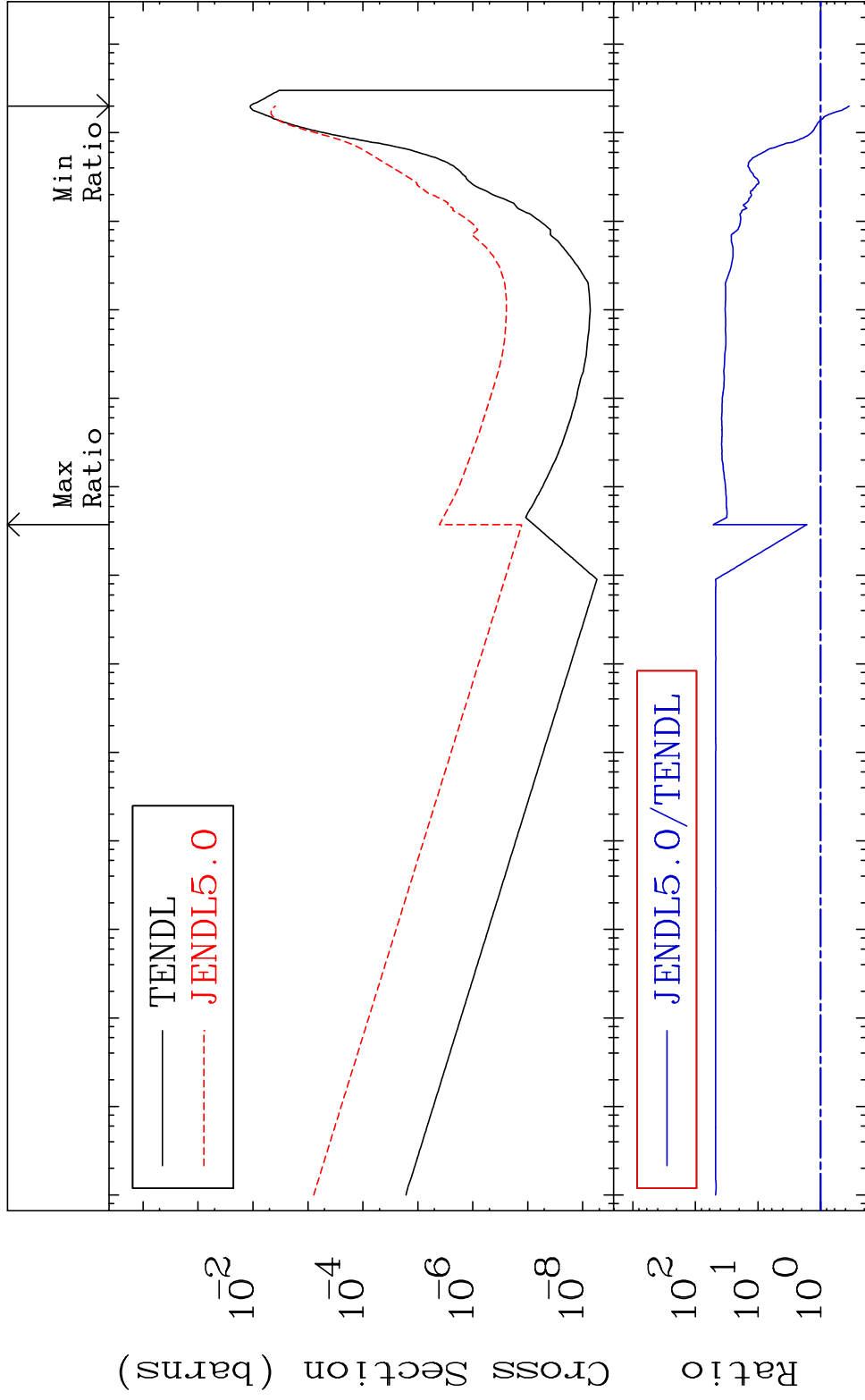


MAT 6031

60-Nd-144

(n,  $\alpha$ )

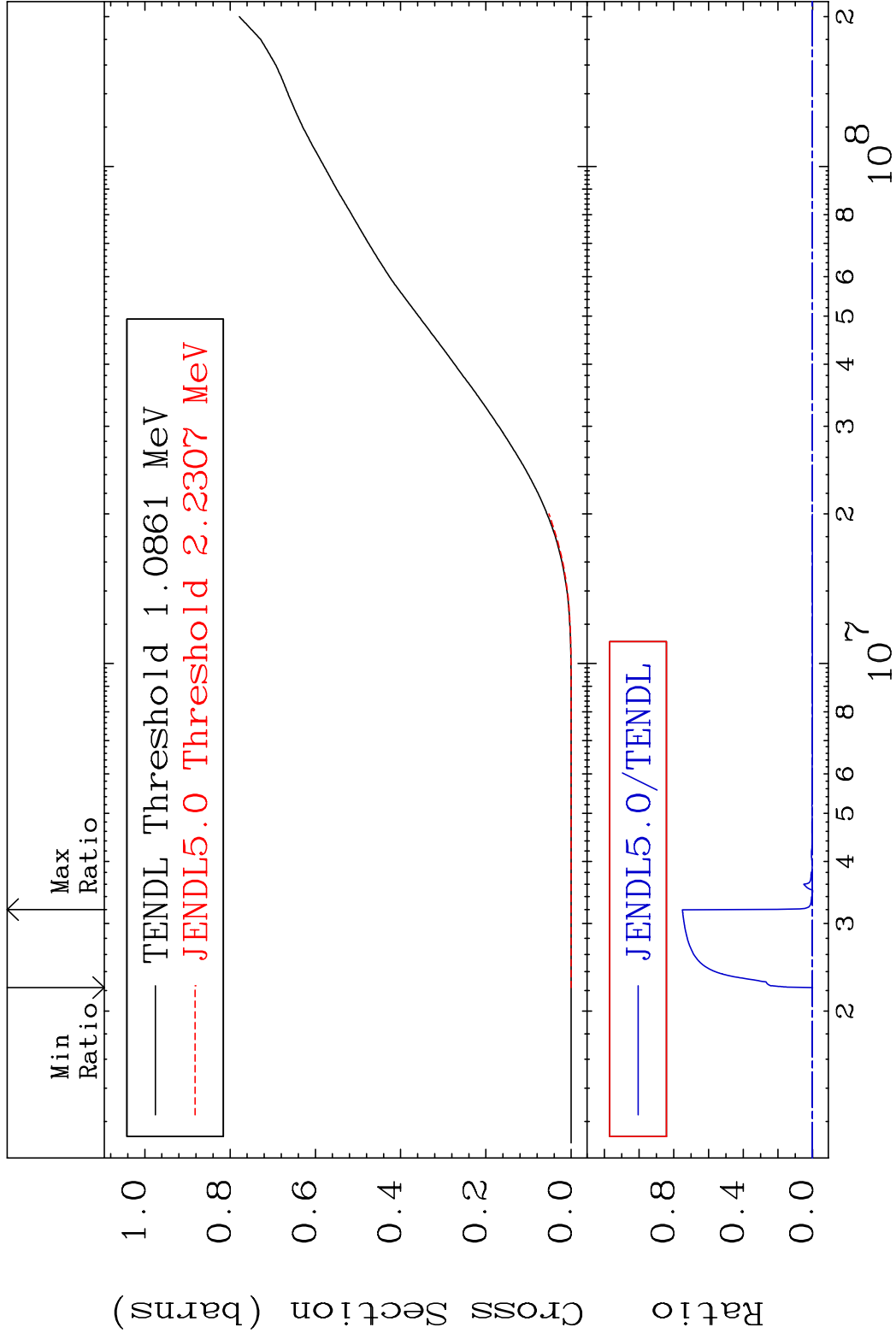
Cross Section -65.18 To 5109. %



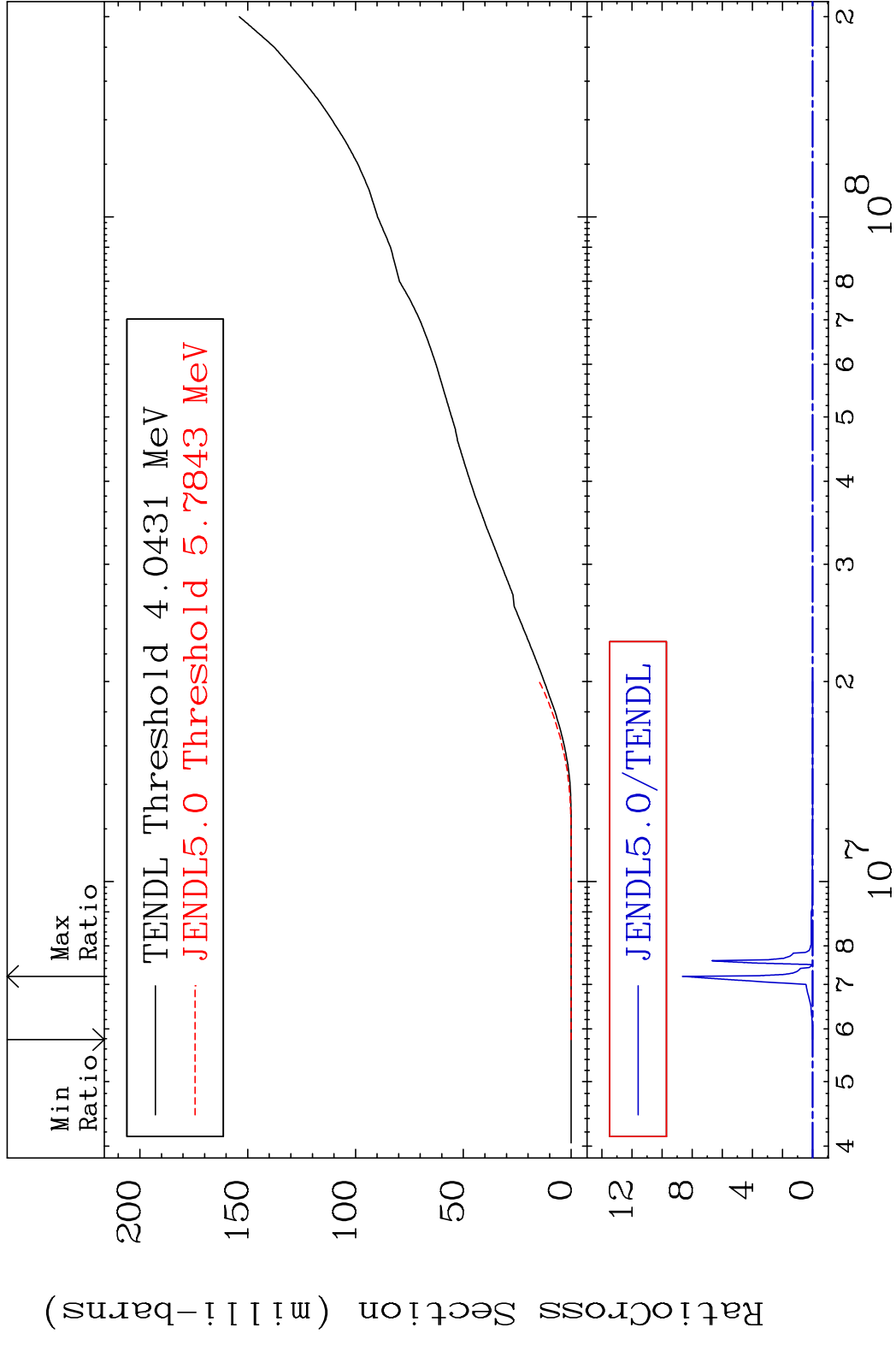
MAT 6031

Hydrogen Production 60-Nd-144

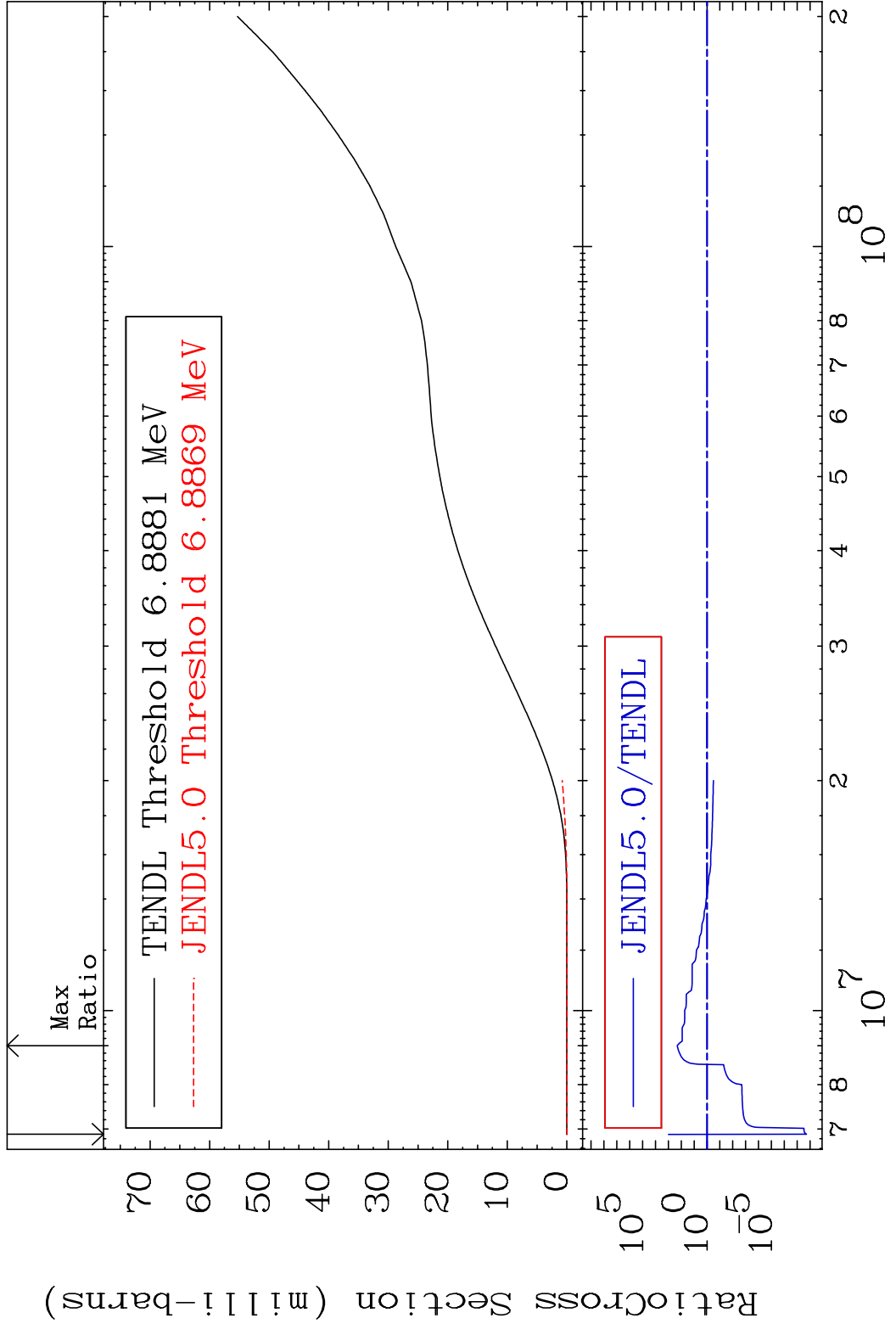
Cross Section -100.0 To 9999. %



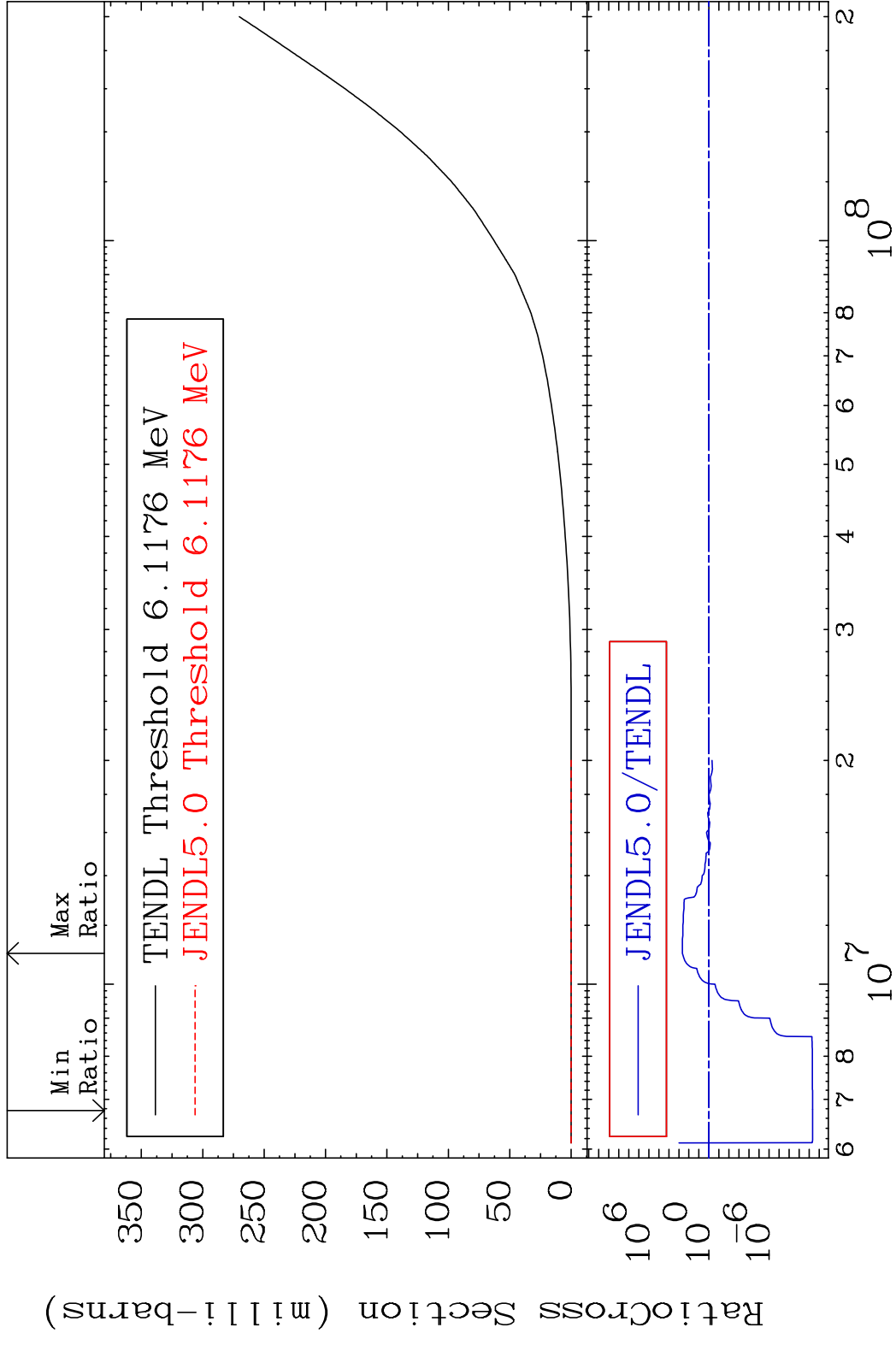
MAT 6031 Deuterium Production 60-Nd-144  
 Cross Section -100.0 To 9999. %



MAT 6031 Tritium Production 60-Nd-144  
 Cross Section -100.0 To 9999. %



MAT 6031 He-3 Production 60-Nd-144  
 Cross Section -100.0 To 9999. %

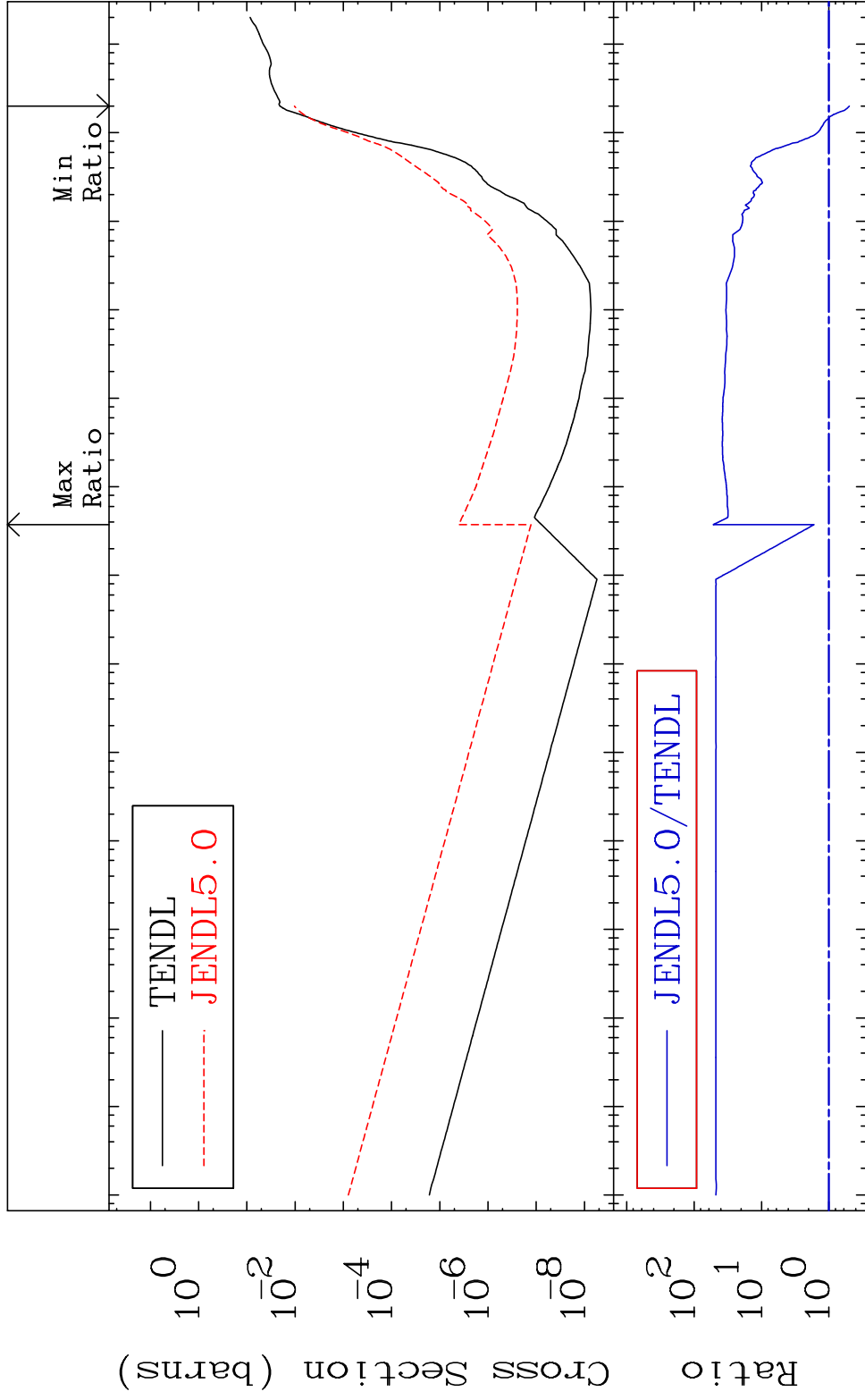


MAT 6031

He-4 Production

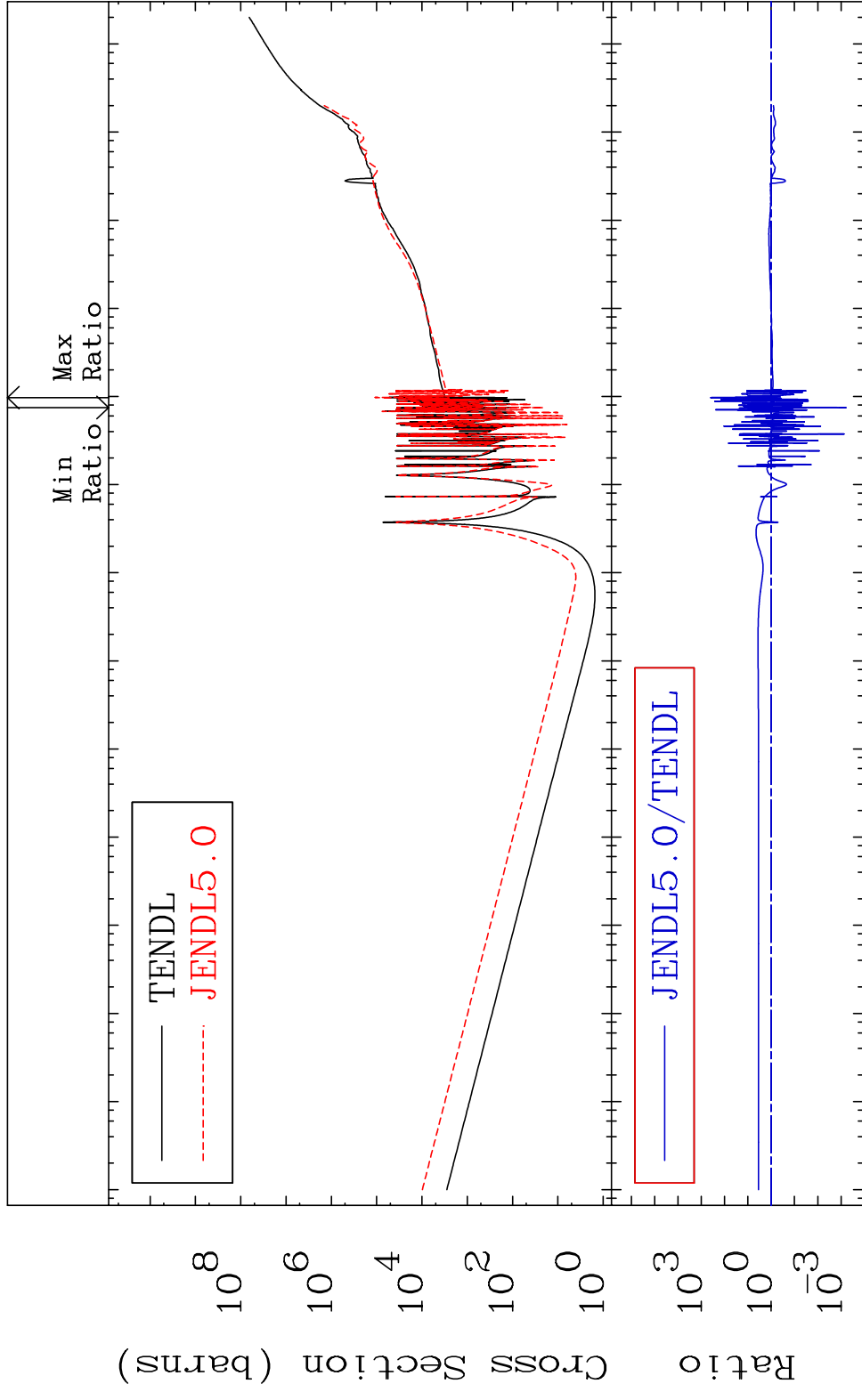
60-Nd-144

Cross Section -50.15 To 5109. %



$10^{-5}$   $10^{-4}$   $10^{-3}$   $10^{-2}$   $10^{-1}$   $10^0$   $10^1$   $10^2$   $10^3$   $10^4$   $10^5$   $10^6$   $10^7$   $10^8$

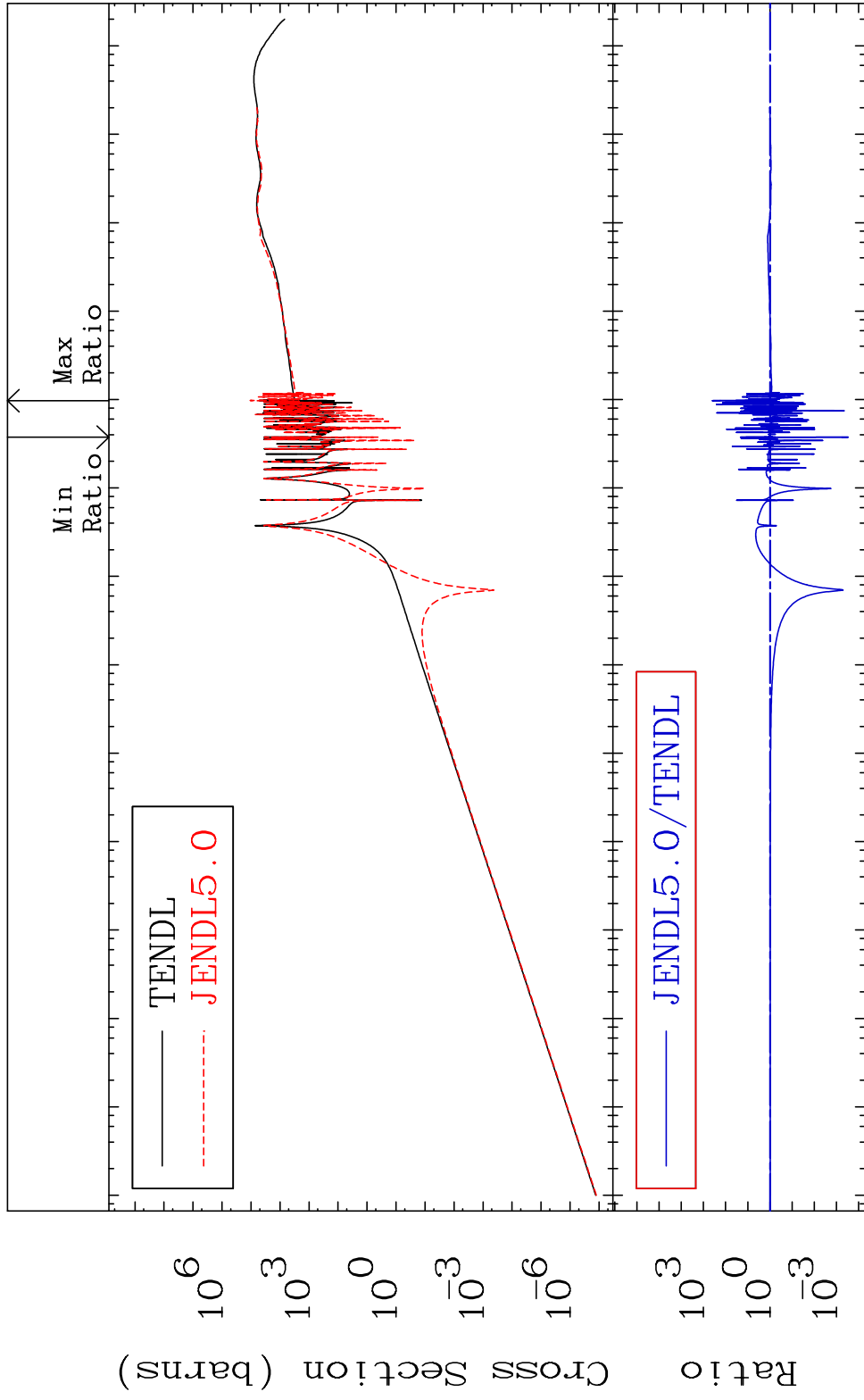
MAT 6031 Kerma total (eV-barns) 60-Nd-144  
 Cross Section -99.94 To 9999. %



MAT 6031

Kerma elastic  
Cross Section

60-Nd-144  
-99.97 To 9999. %



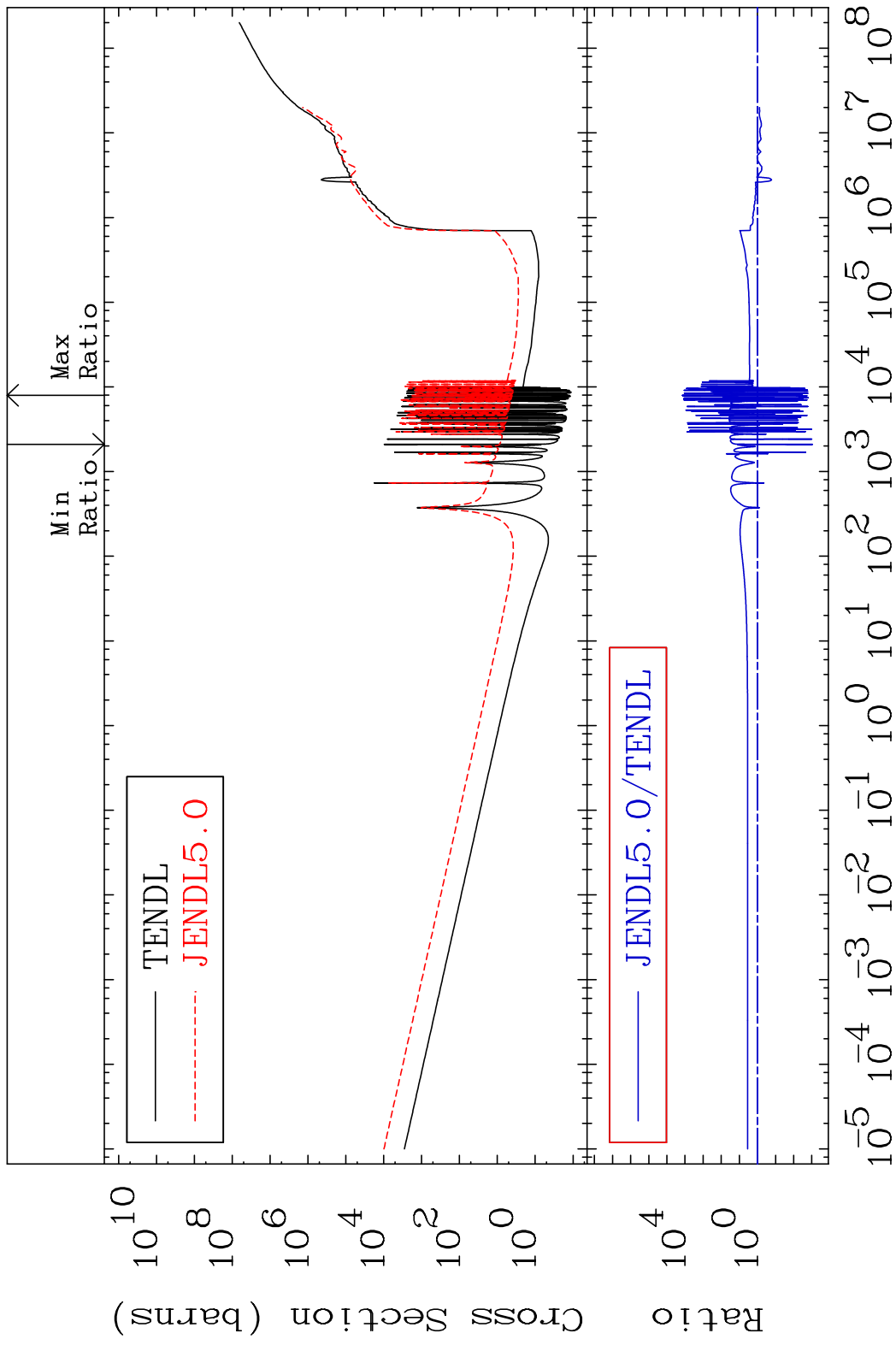
55

Incident Energy (eV)

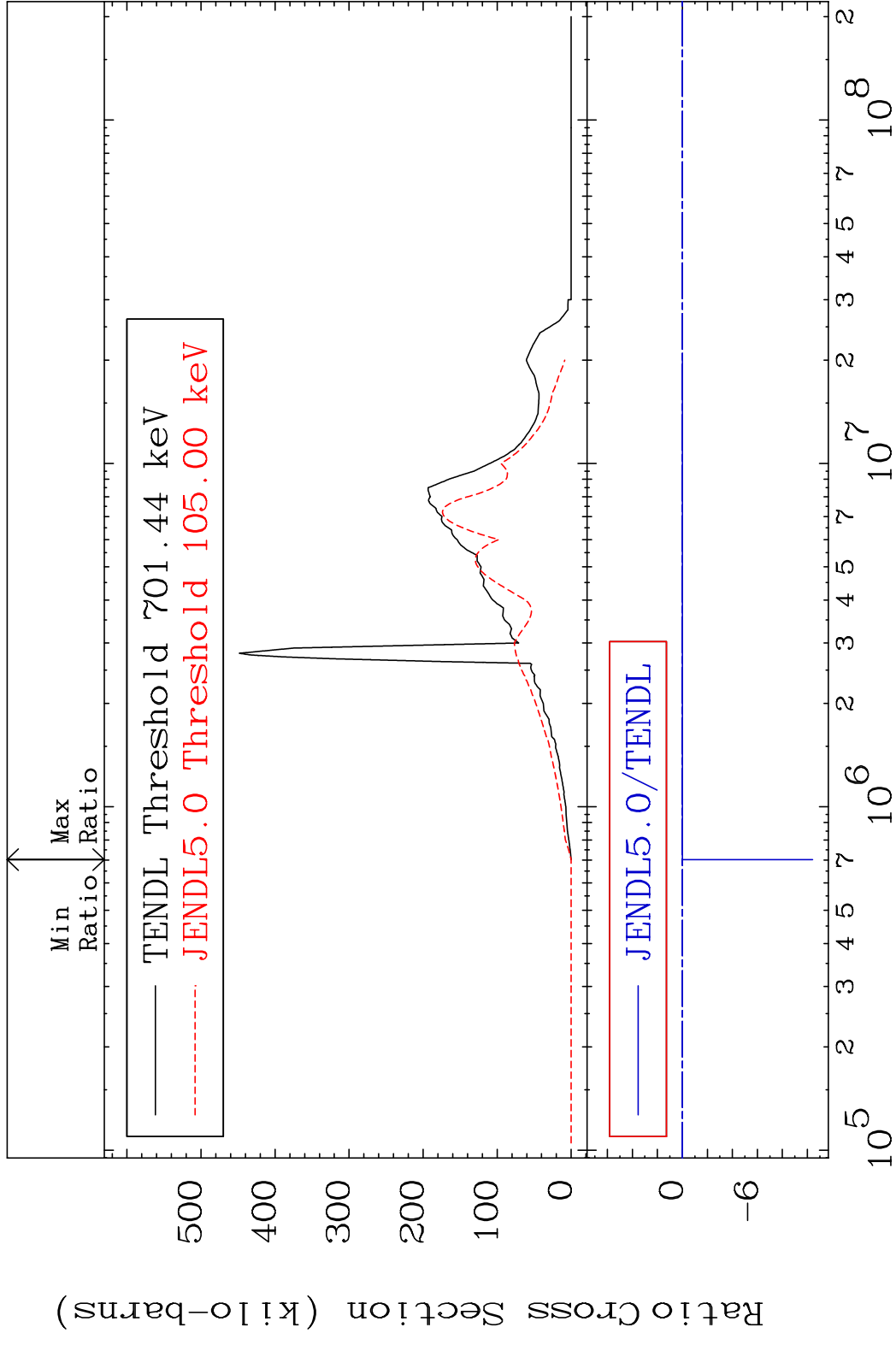
60-Nd-144



MAT 6031 Kerma non-elastic (all but mt2) 60-Nd-144  
 Cross Section -99.91 To 9999. %

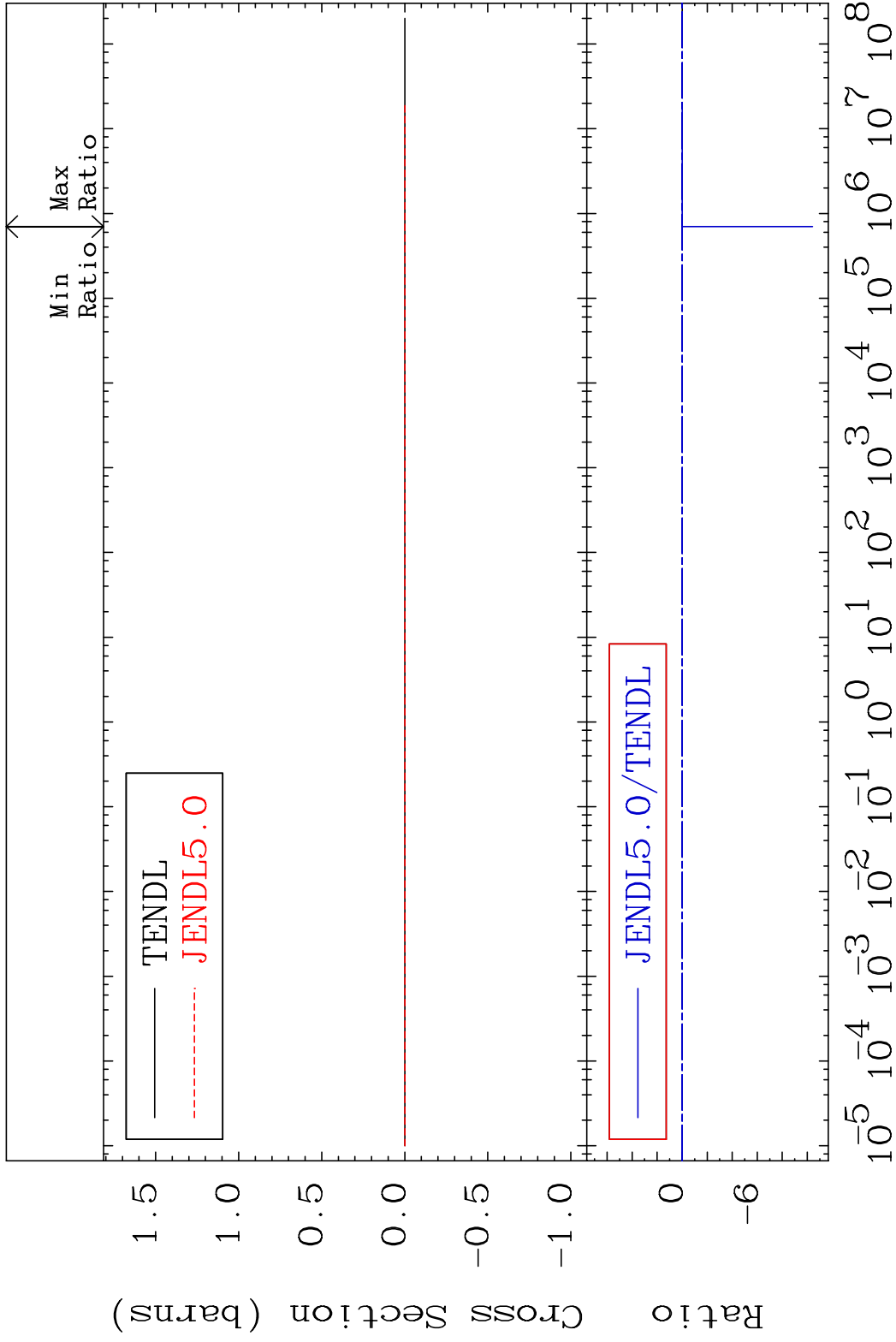


MAT 6031 Kerma inelastic (mt51-91) 60-Nd-144  
 Cross Section -9999. To 9999. %

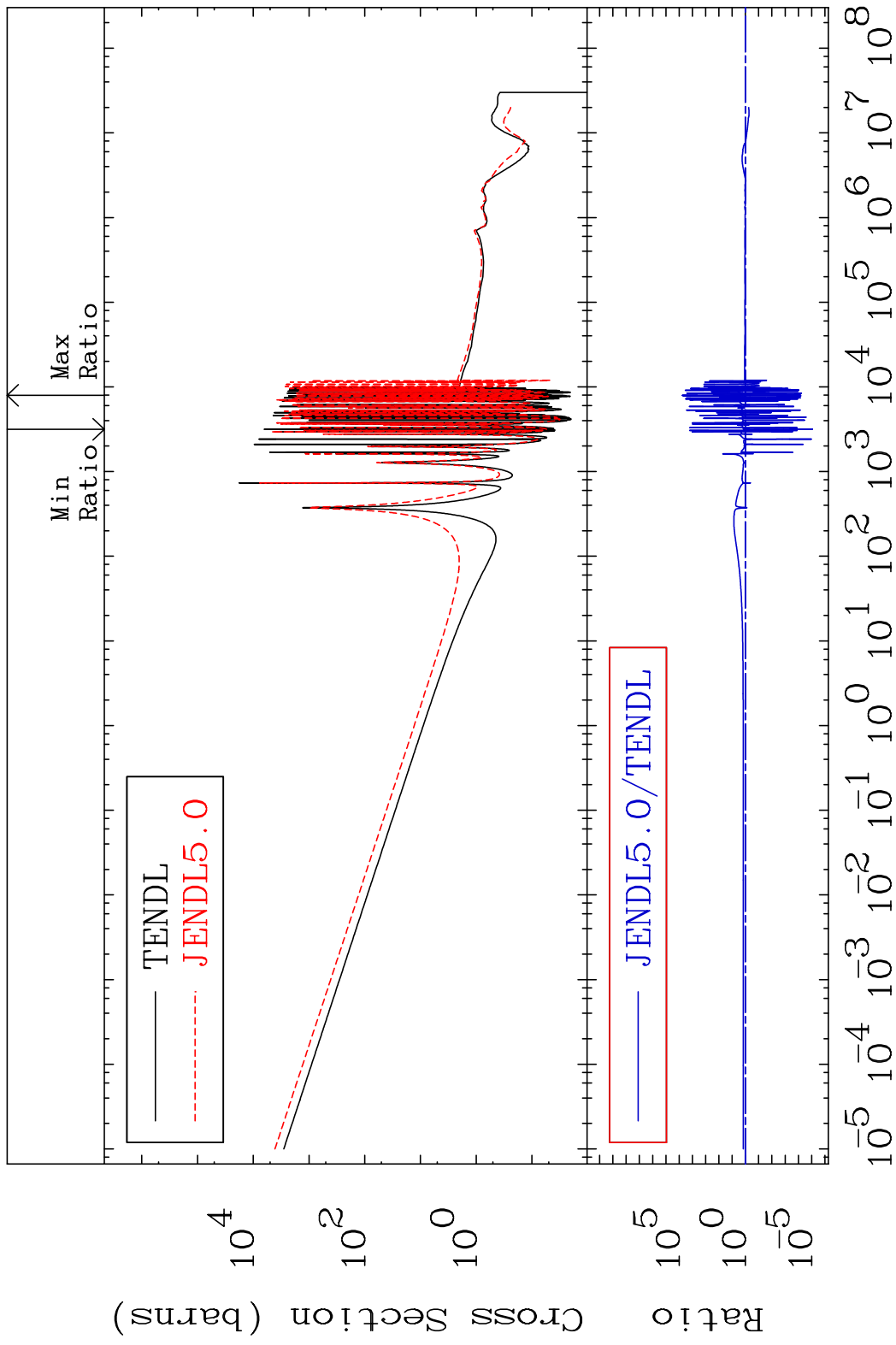


57 Incident Energy (eV) 60-Nd-144

MAT 6031 Kerma fission (mt18 or mt19-20-21-38) 60-Nd-144  
 Cross Section -9999. To 9999. %

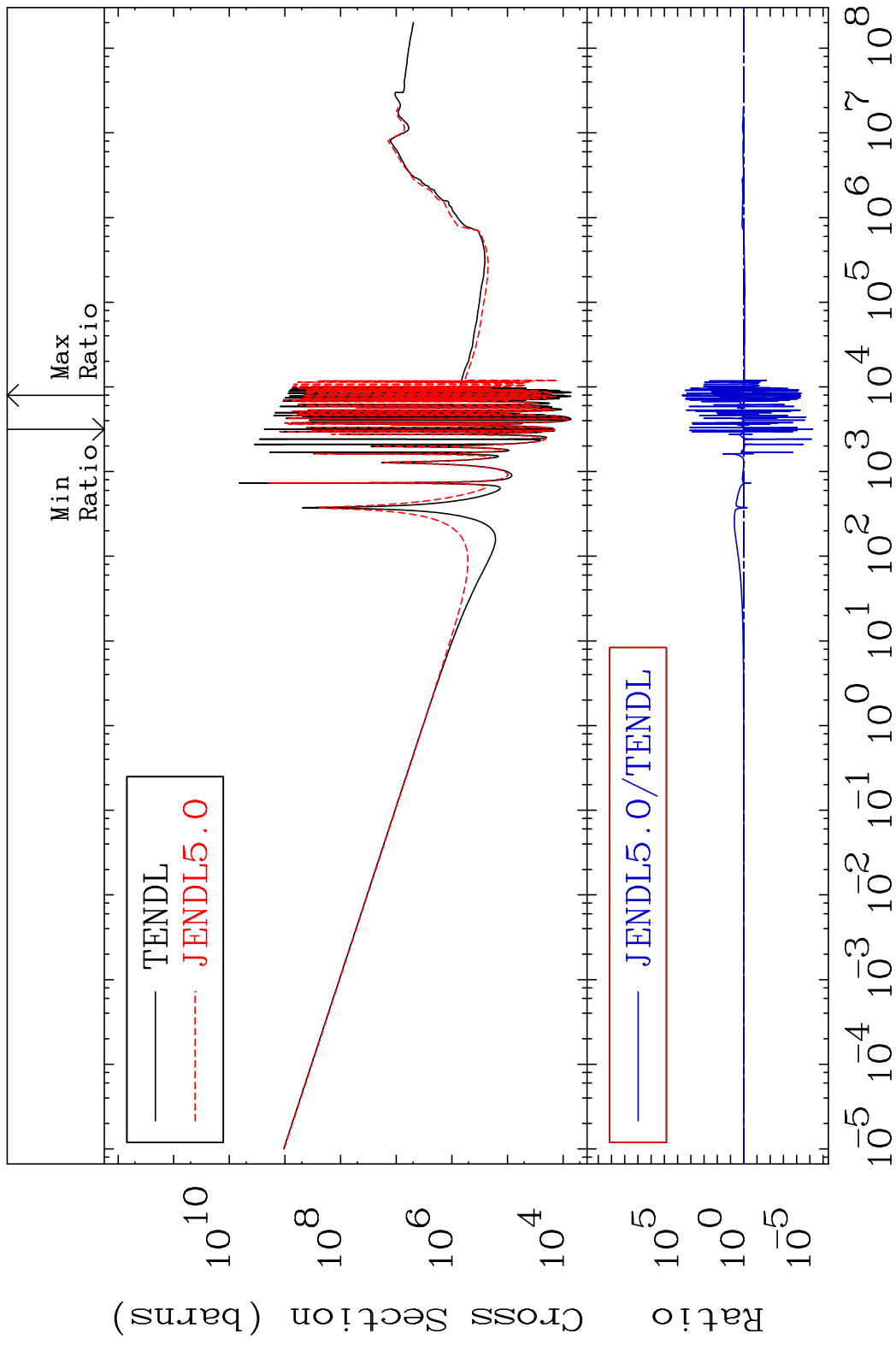


MAT 6031 Kerma capture (mt102) 60-Nd-144  
 Cross Section -100.0 To 9999. %



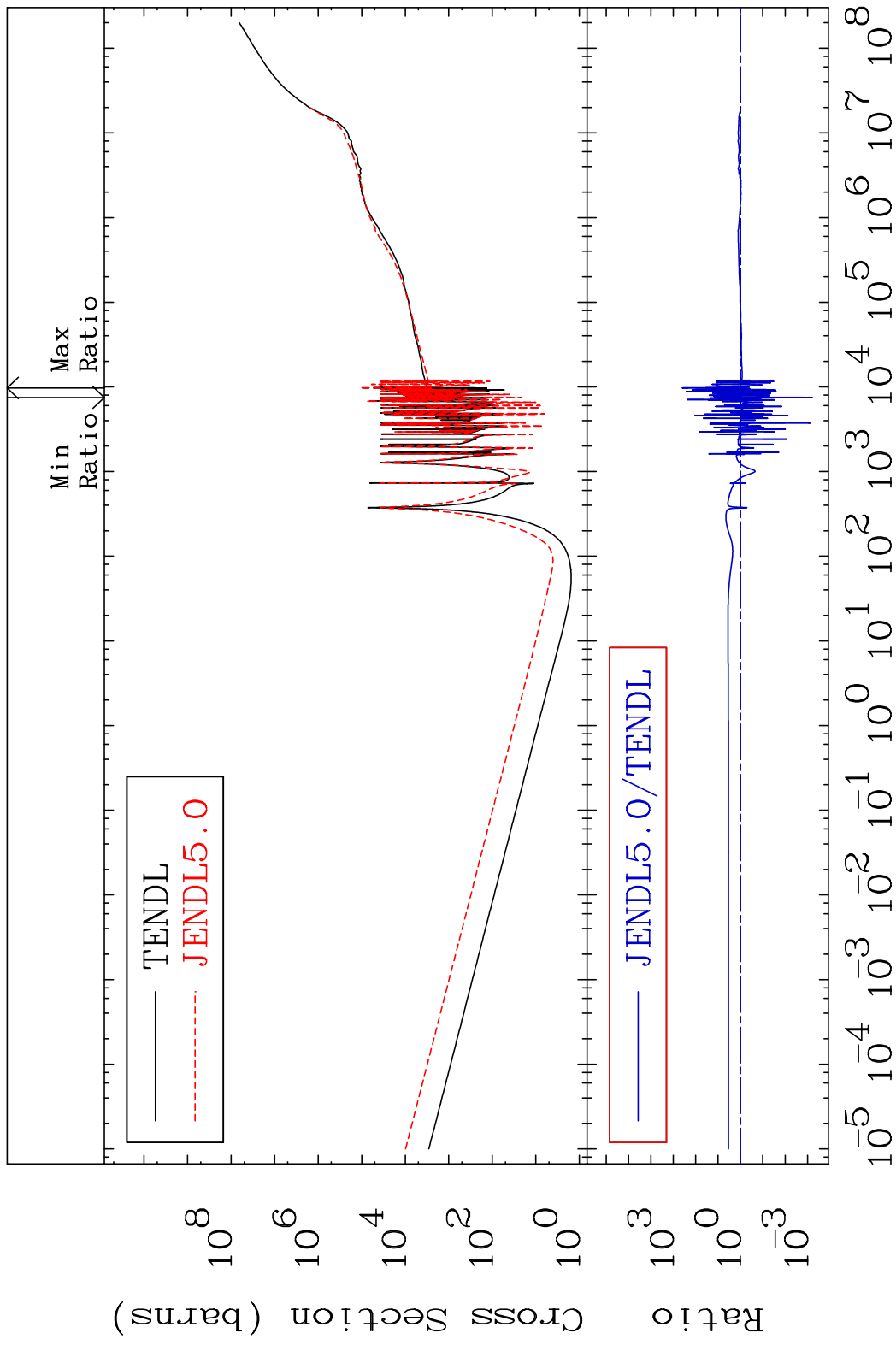
59 Incident Energy (eV) 60-Nd-144

MAT 6031 Total photon (eV-barns) 60-Nd-144  
Cross Section -100.0 To 9999. %

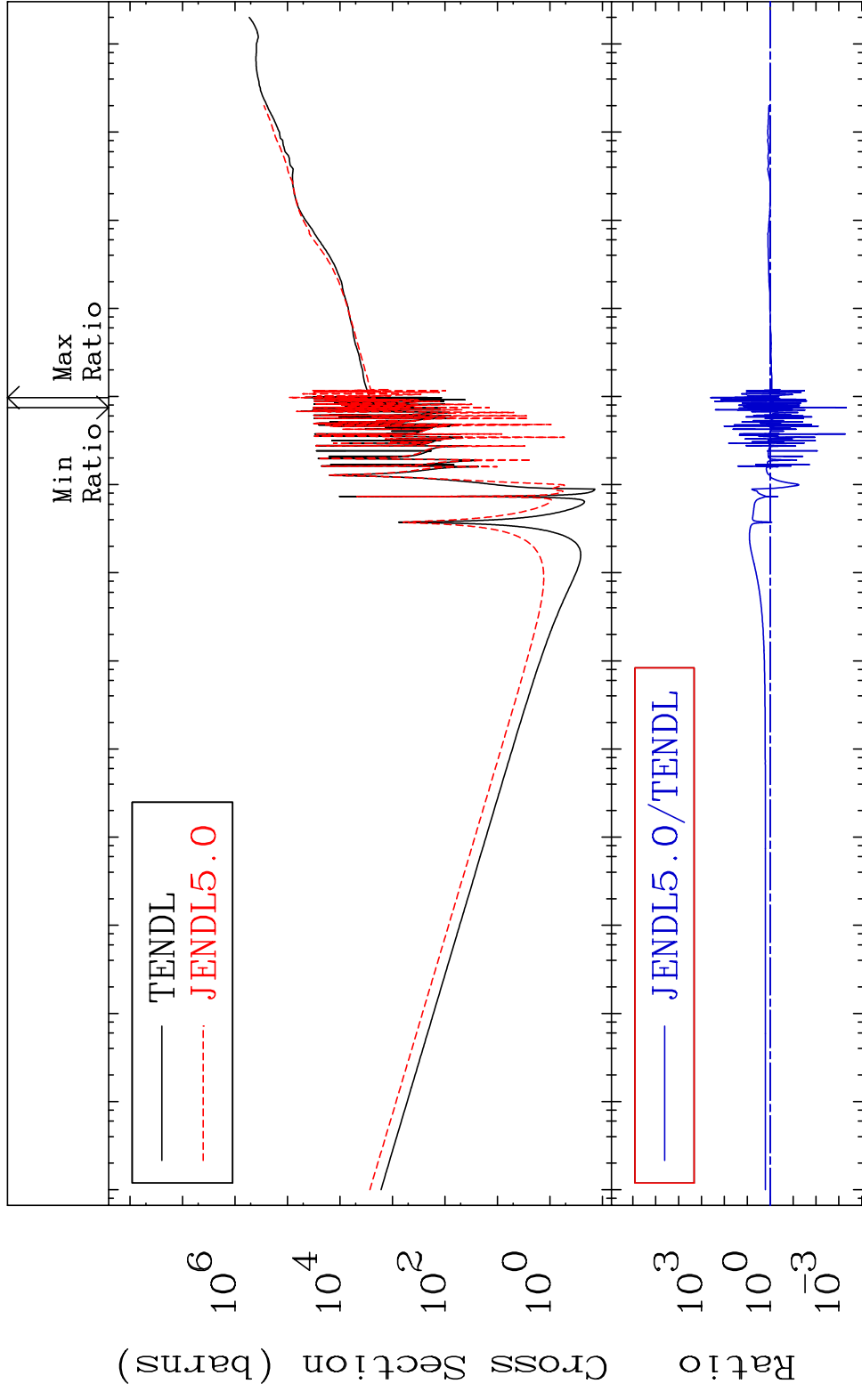


60 Incident Energy (eV) 60-Nd-144

MAT 6031 Total kinematic kerma (high limit) 60-Nd-144  
 Cross Section -99.94 To 9999. %



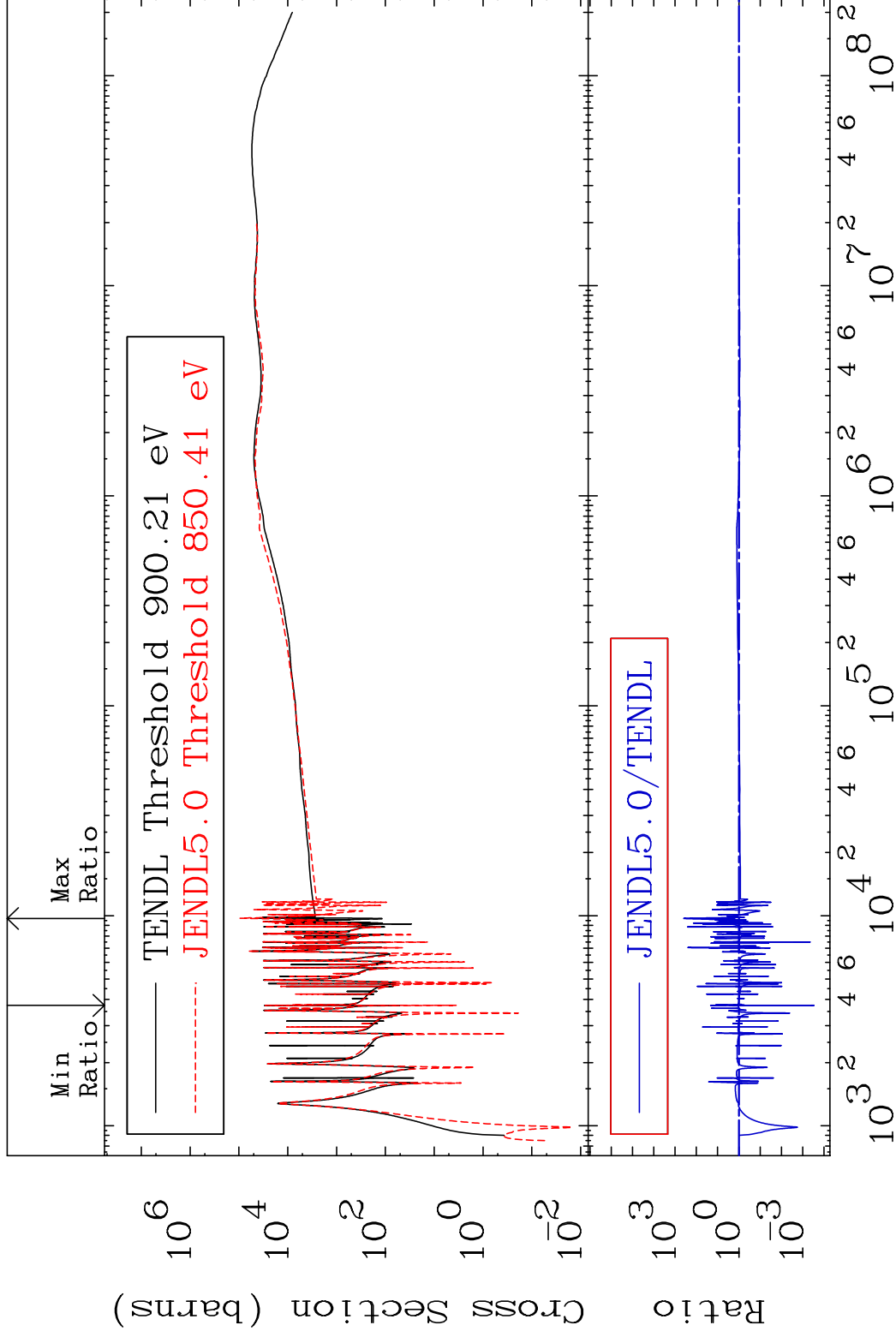
MAT 6031      Dpa total (eV-barns)      60-Nd-144  
 Cross Section      -99.95 To 9999. %



62      Incident Energy (eV)      60-Nd-144

MAT 6031

Dpa elastic (mt2) 60-Nd-144  
Cross Section -99.97 To 9999. %



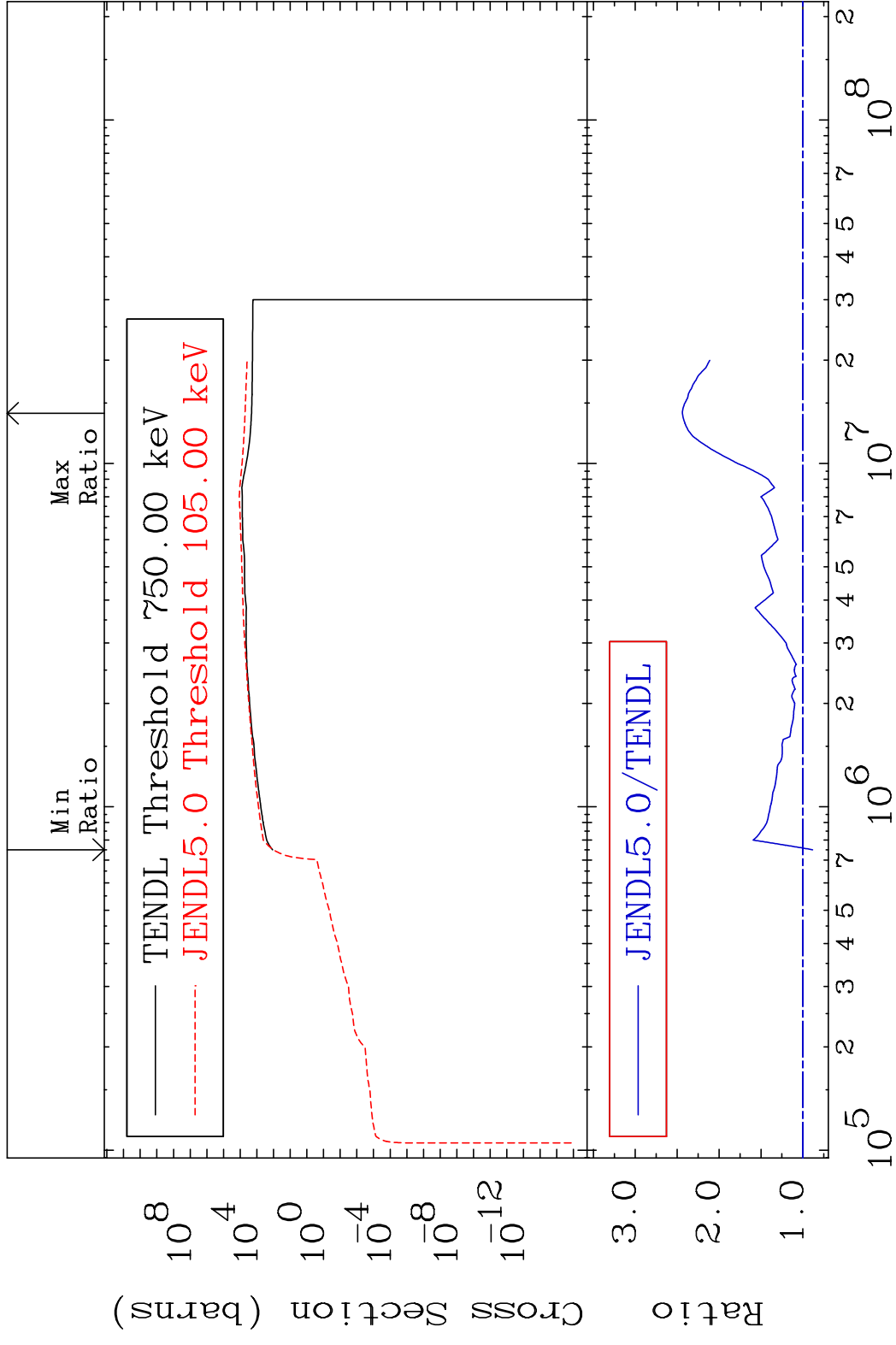
63

Incident Energy (eV)

60-Nd-144

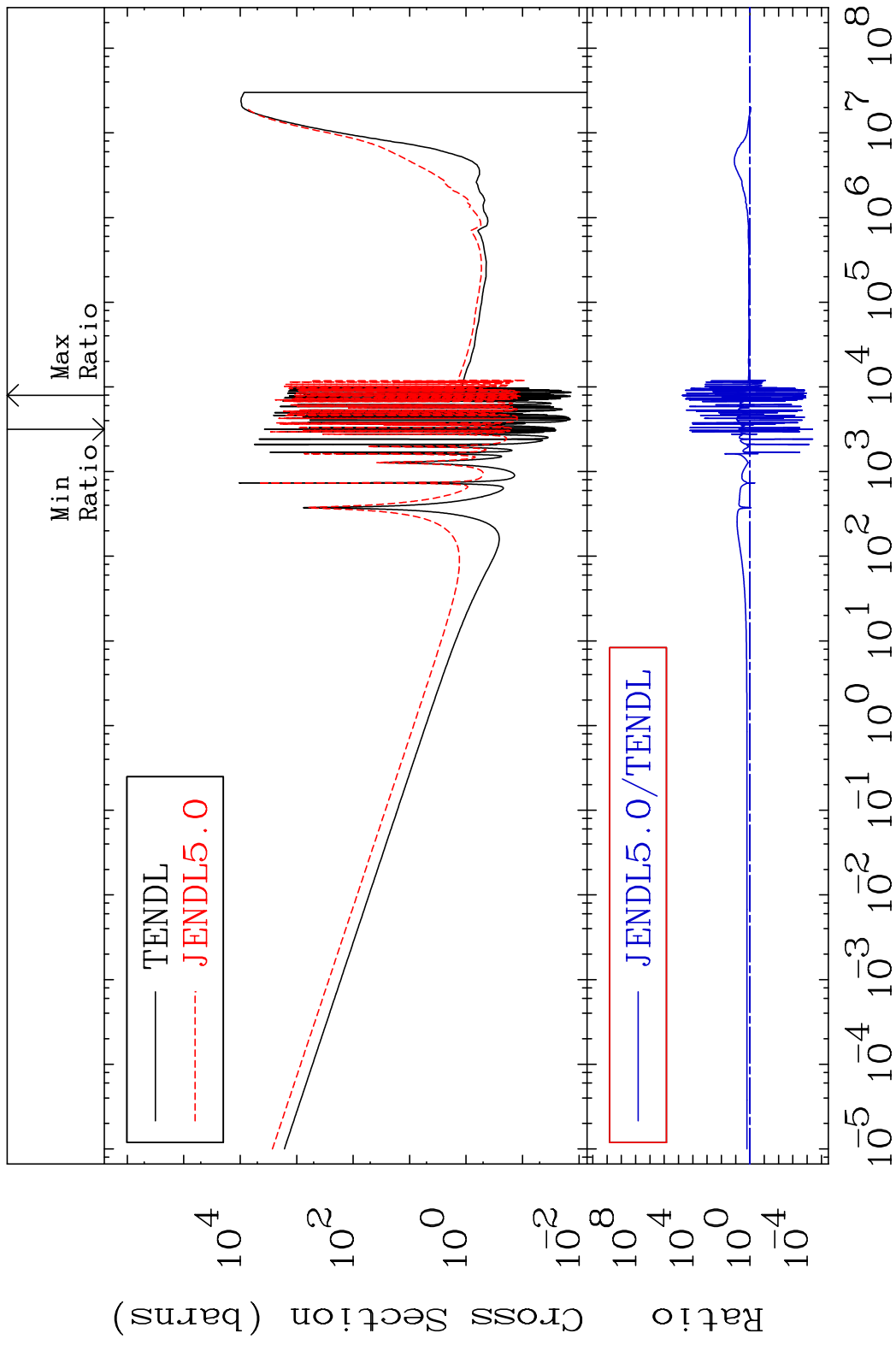


MAT 6031 Dpa inelastic (mt51-91) 60-Nd-144  
 Cross Section -11.58 To 143.8 %

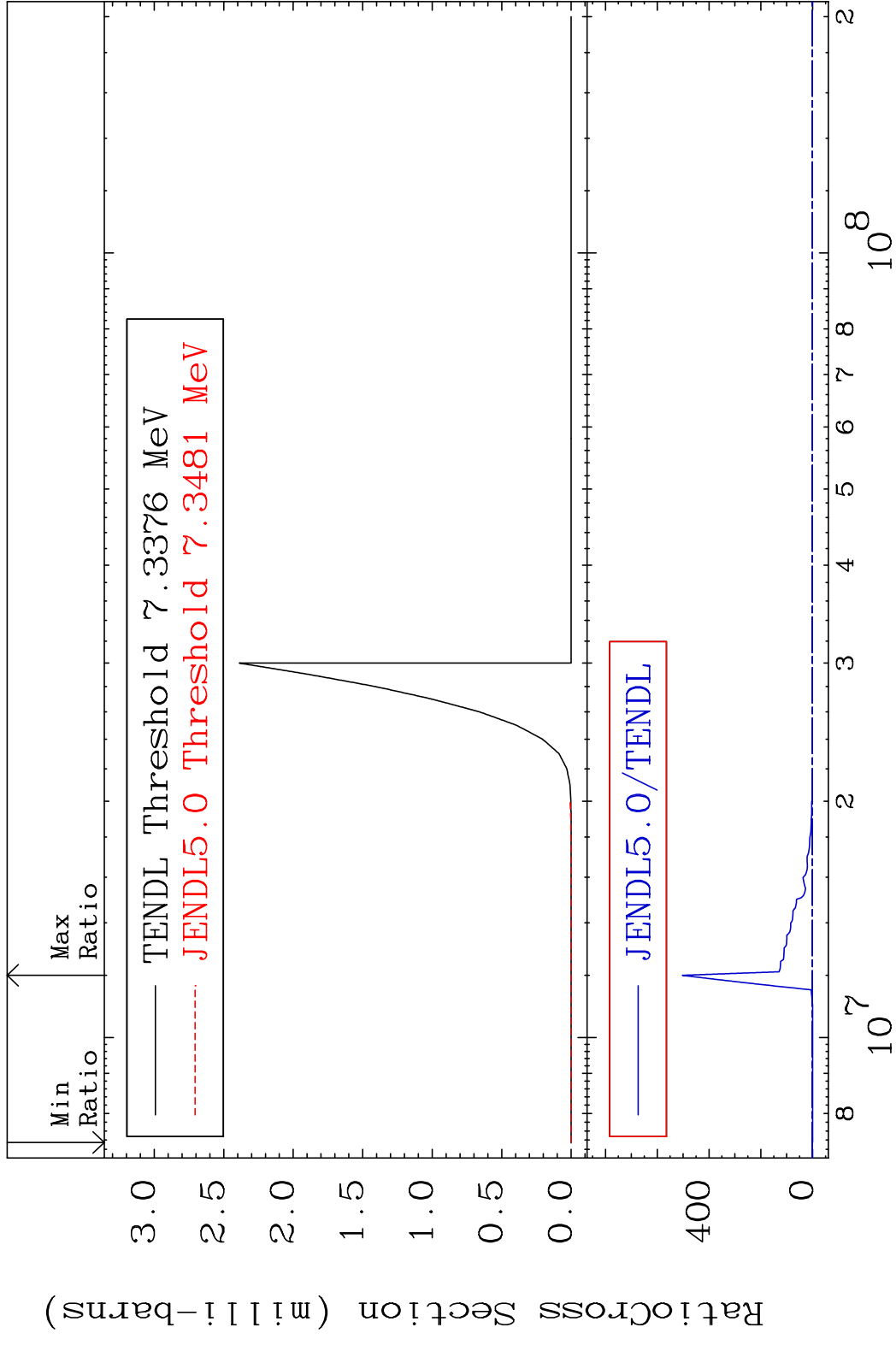


64 Incident Energy (eV) 60-Nd-144

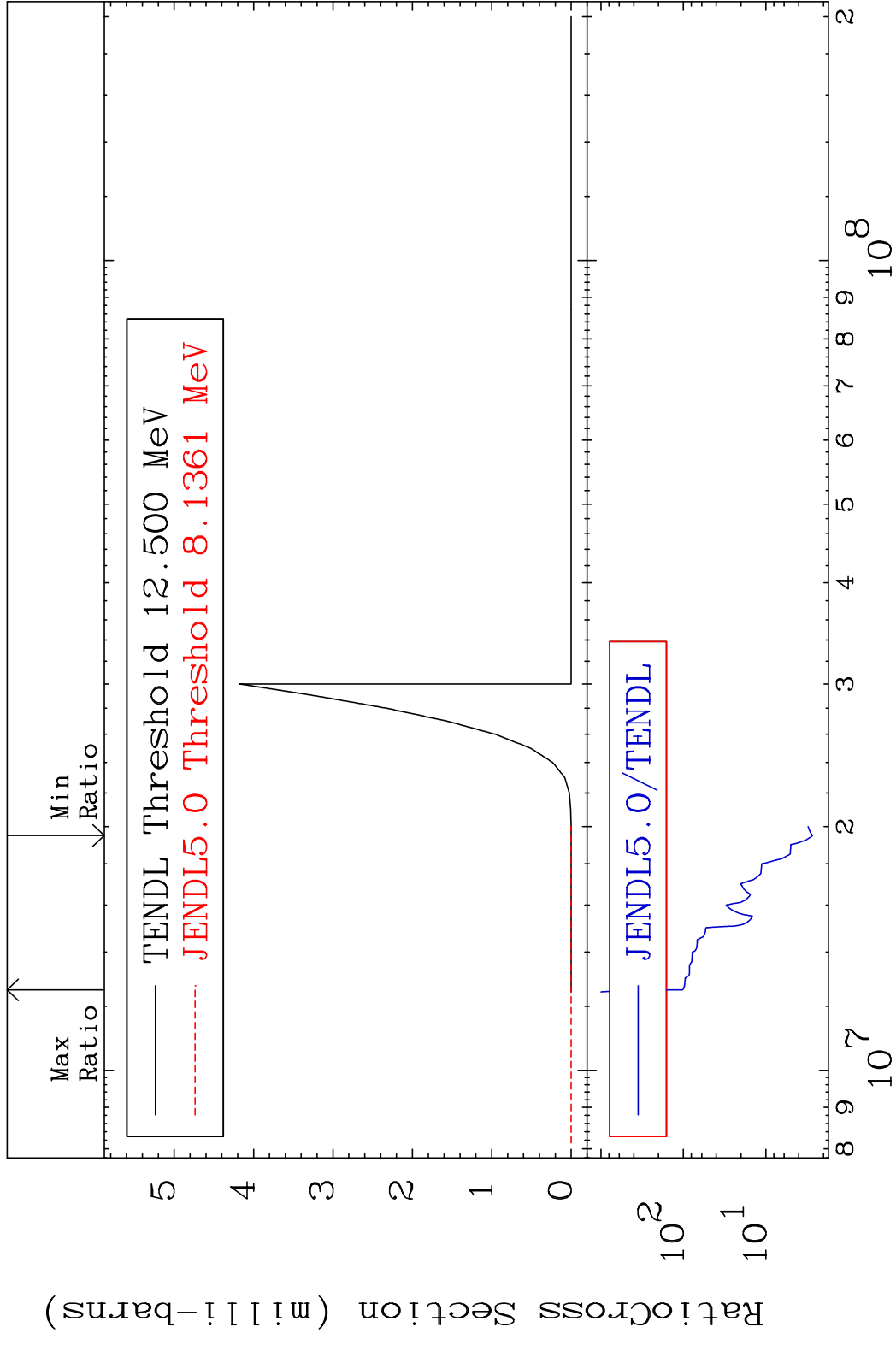
MAT 6031 Dpa disappearance (mt102 -120) 60-Nd-144  
Cross Section -100.0 To 9999. %



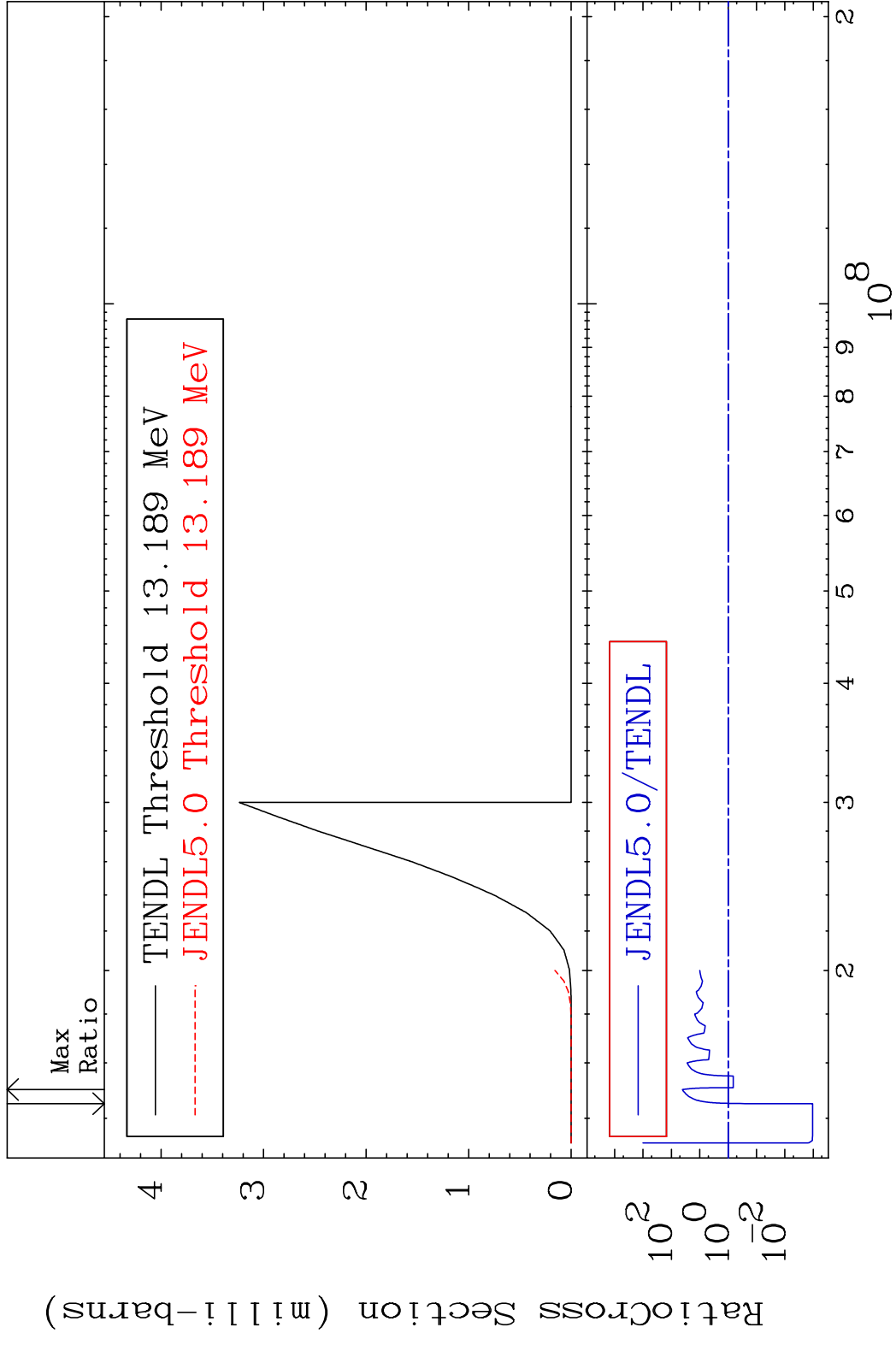
MAT 6031 (n,2n)  $\alpha$ :58-Ce-139g 60-Nd-144  
 Radionuclide Production Cross Section Ratio 9999. %

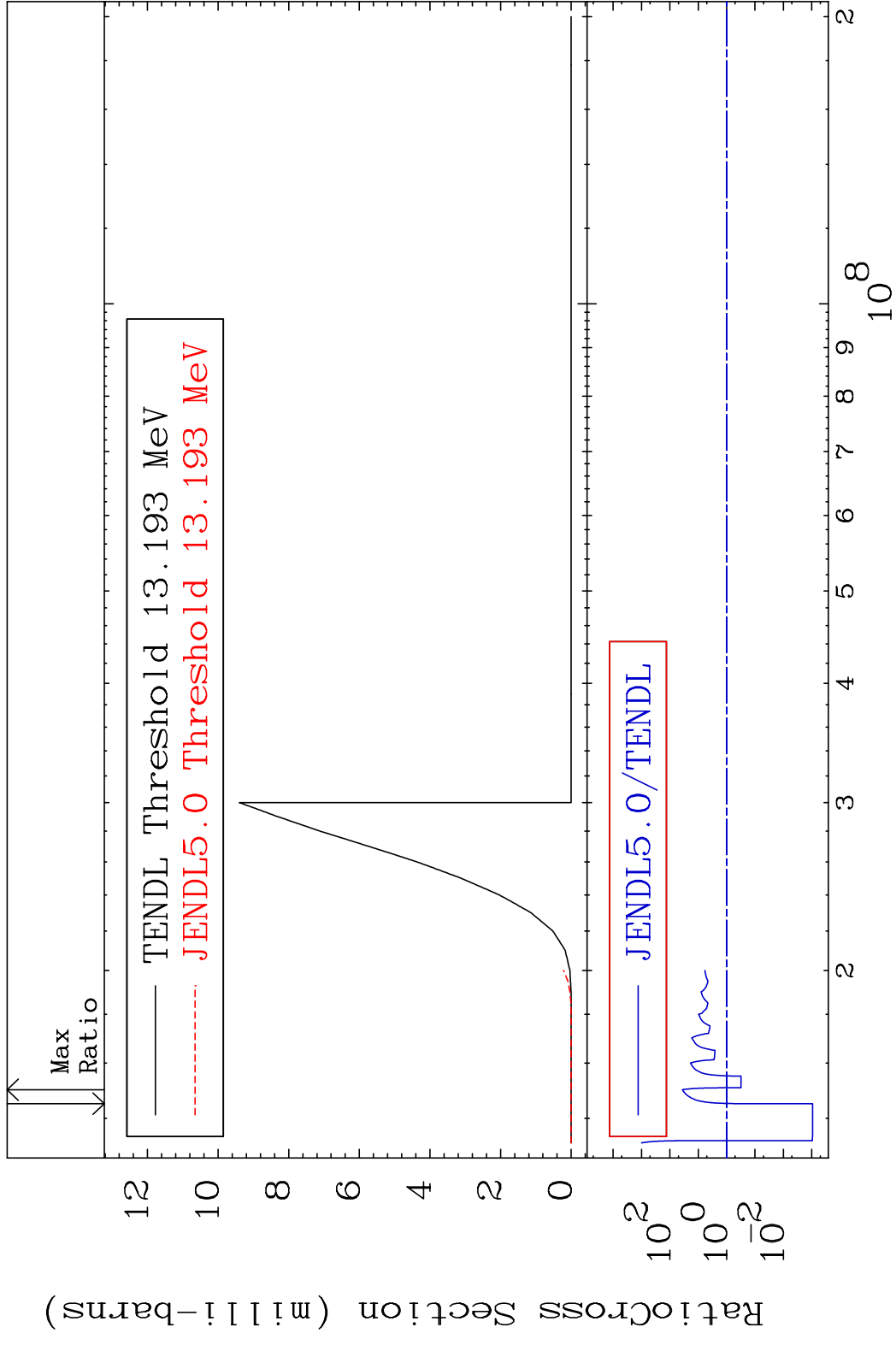


MAT 6031 (n,2n)  $\alpha$ :58-Ce-139m2 60-Nd-144  
 Radionuclide Production Cross Section Ratio 9999. %

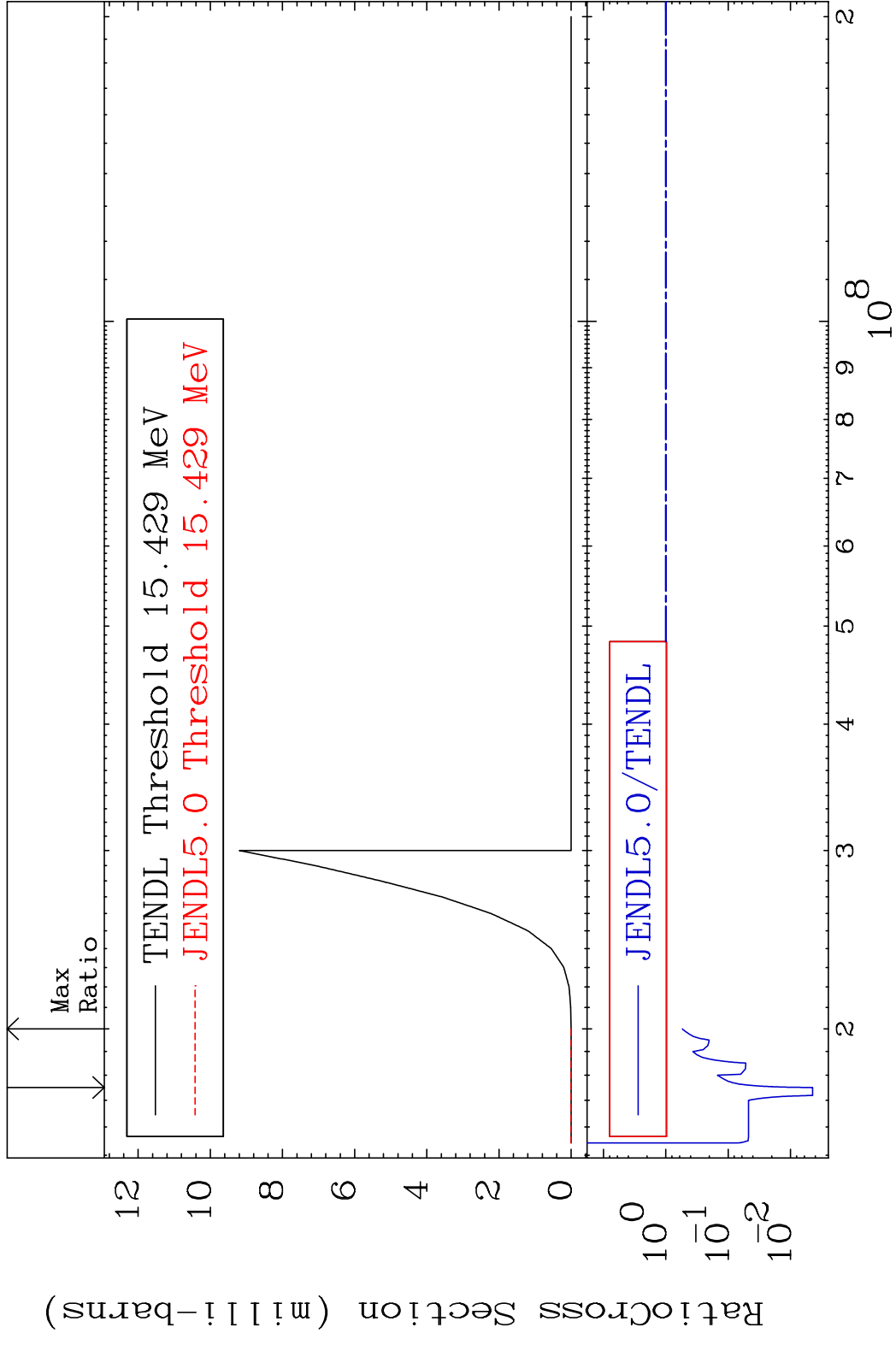


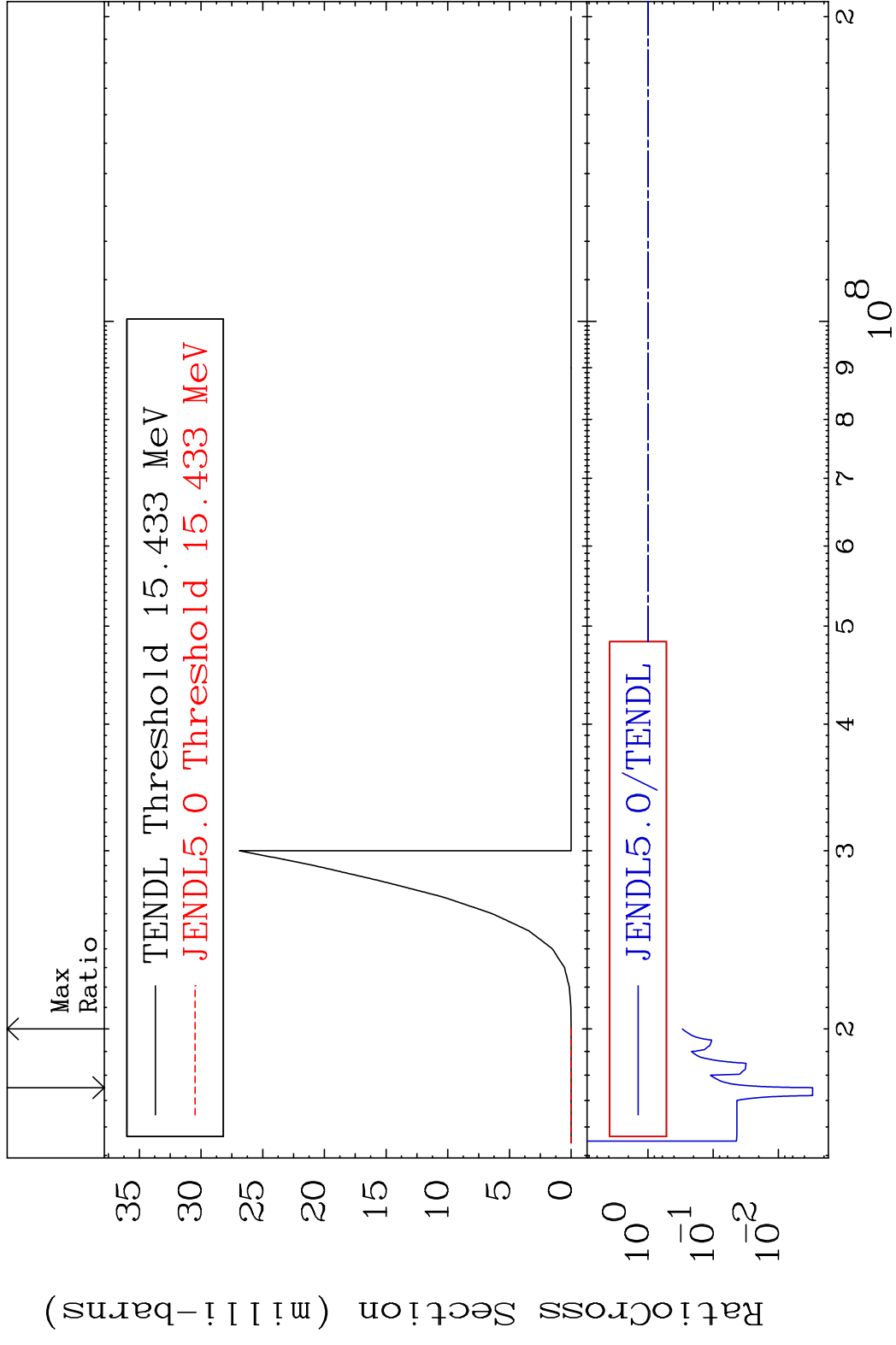
MAT 6031 (n, n') d:59-Pr-142g 60-Nd-144  
 Radionuclide Production Cross Section 98.69 d/o 4013. %



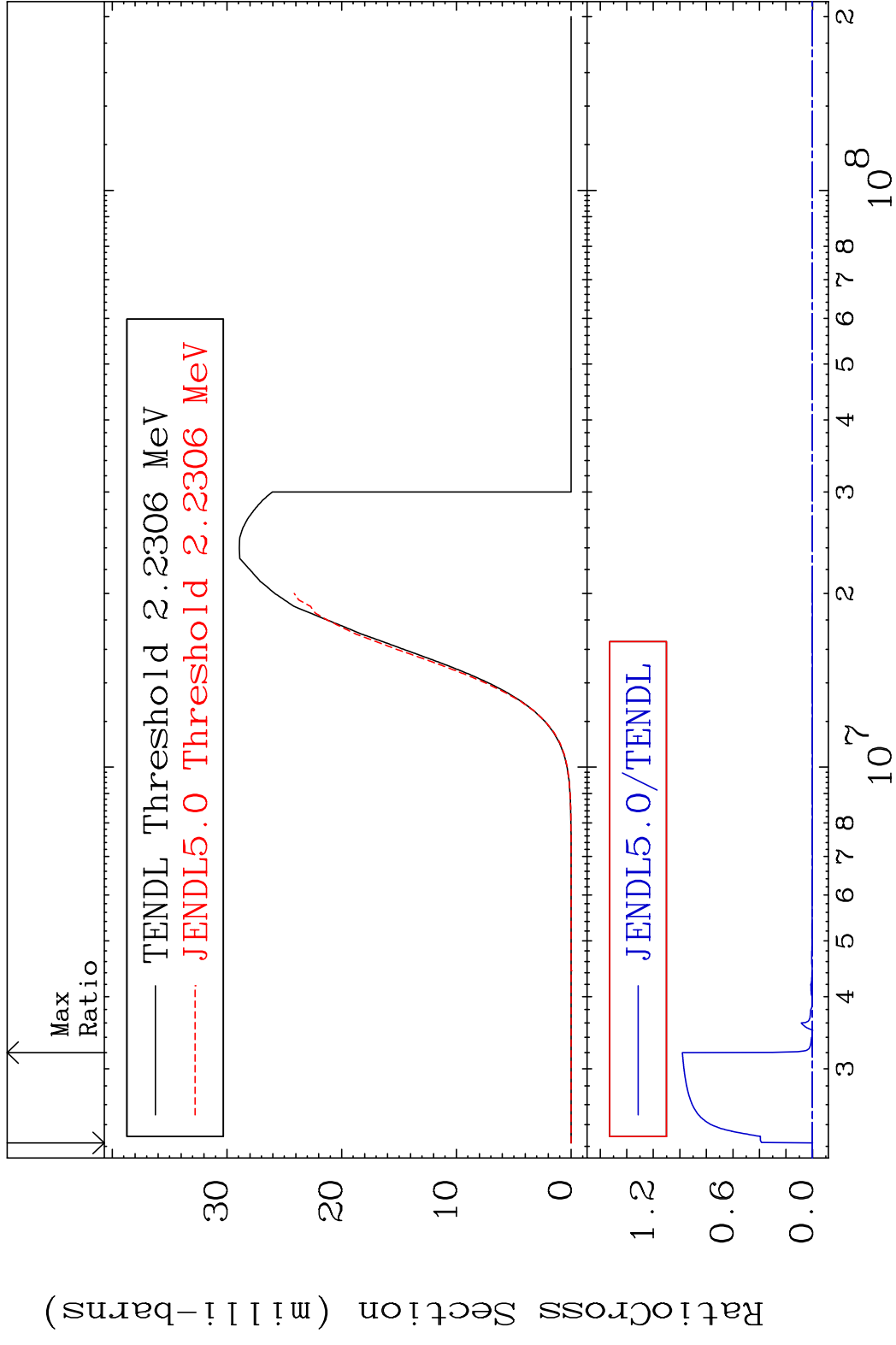


MAT 6031 (n,2n) p:59-Pr-142g 60-Nd-144  
 Radionuclide Production Cross Section 98.561 dtho -45.68%

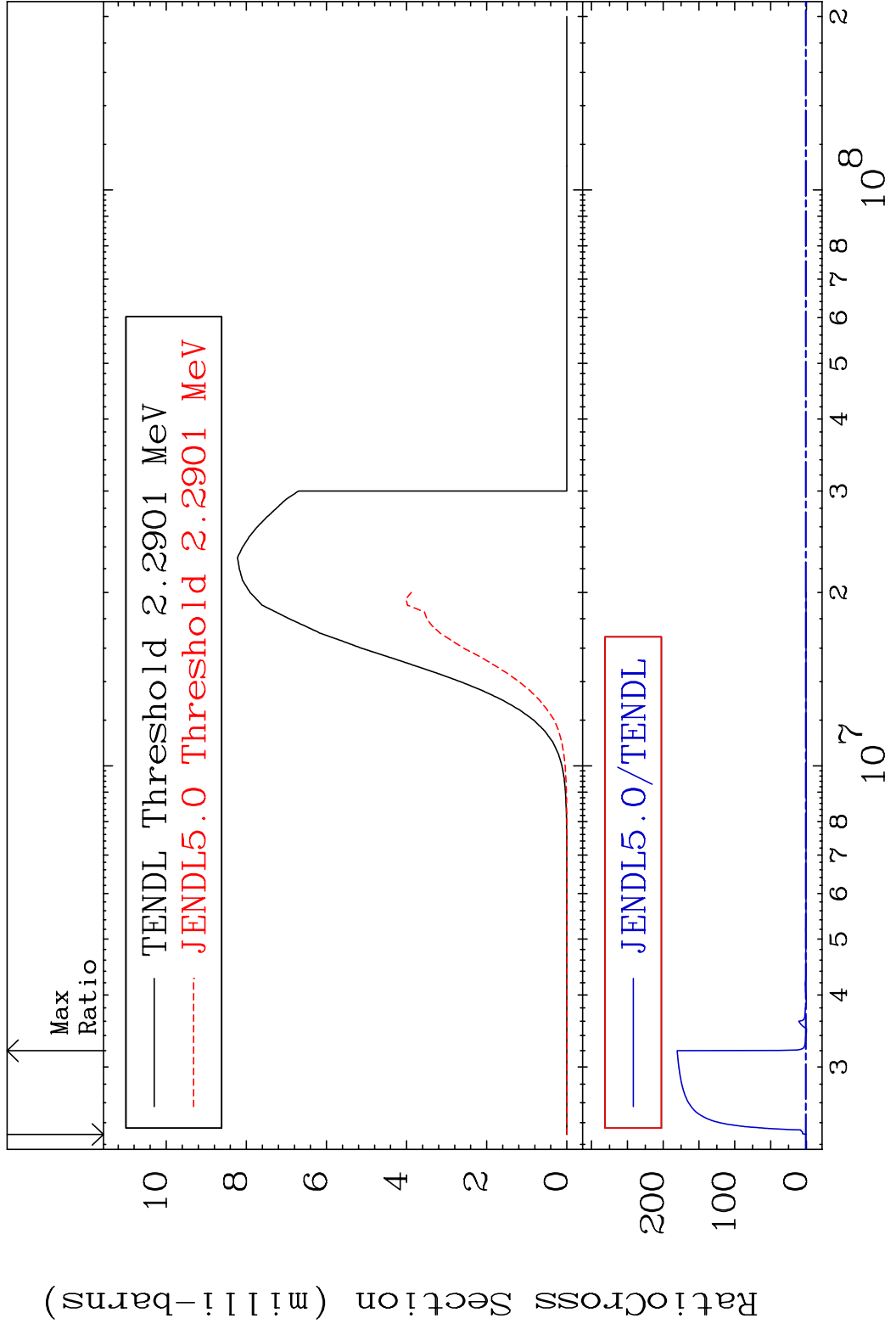




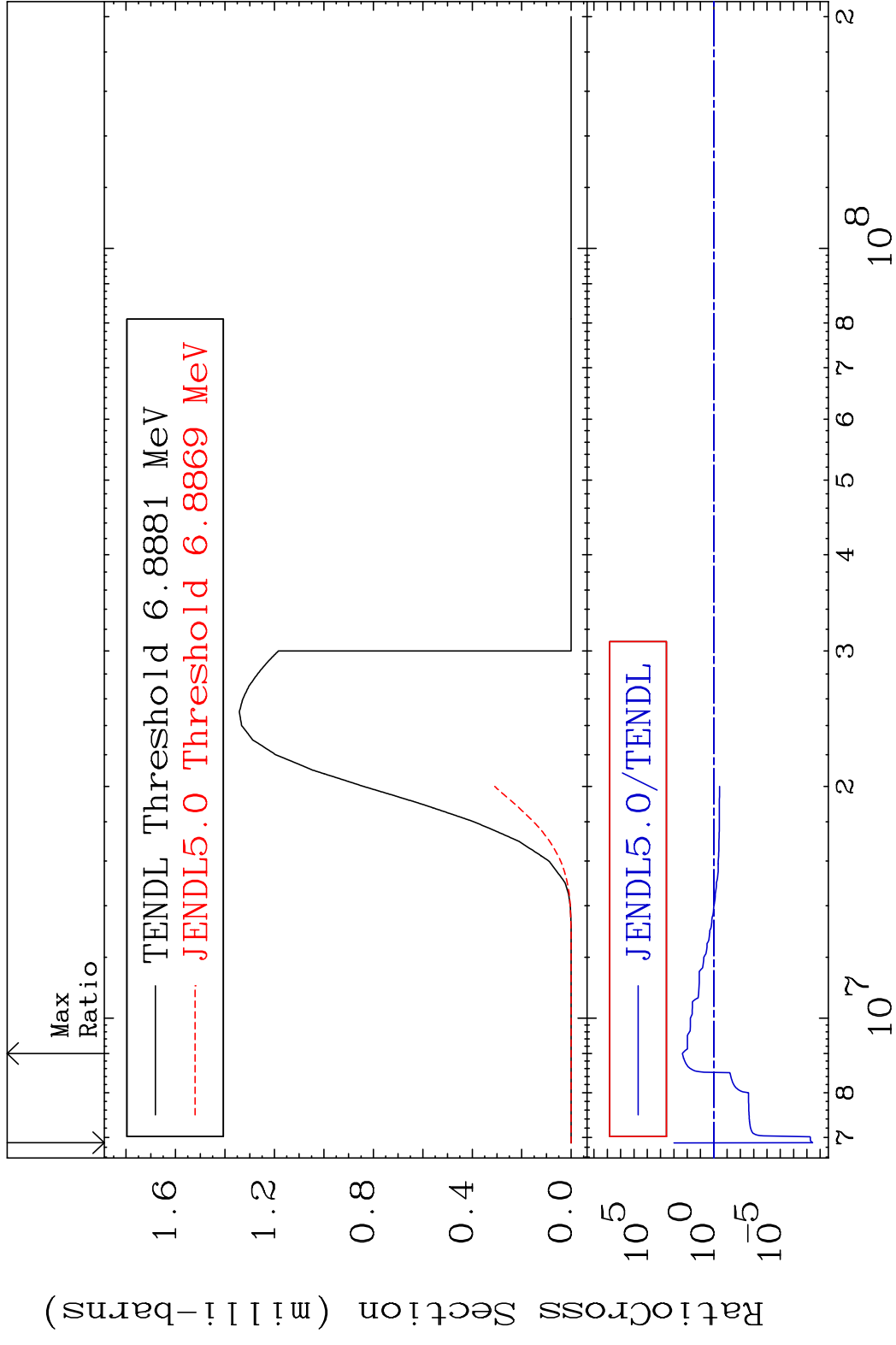




MAT 6031 (n, p):59-Pr-144m1 60-Nd-144  
 Radionuclide Production Cross Section 100.00 %



MAT 6031 (n,t):59-Pr-142g 60-Nd-144  
 Radionuclide Production Cross Section 100.00 dth 9999. %



MAT 6031 (n, t):59-Pr-142m1 60-Nd-144  
 Radionuclide Production Cross Section 100.00 %  
 100.00 %

