

Program Complot  
(Version 2021-1)

by

Dermott E. Cullen  
(Present Contact Information)

Dermott E. Cullen  
1466 Hudson Way  
Livermore, CA 94550

U.S.A.

Tele: 925-443-1911

E.Mail:redcullen1@comcast.net  
Web:redcullen1.net/HOMEPAGE.NEW

Press Mouse Button to Start

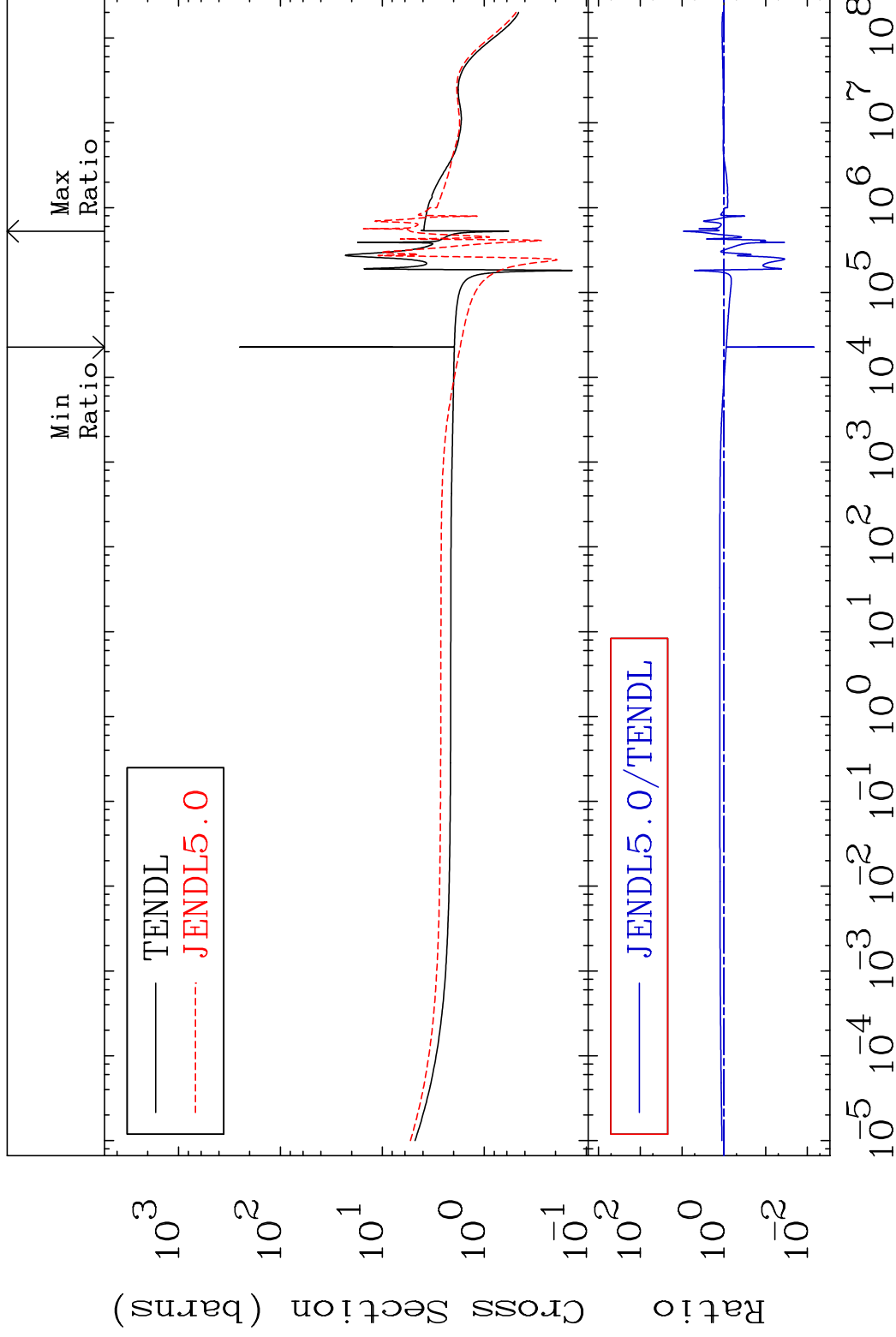
MAT 1031

Total

10-Ne-22

Cross Section

-99.31 To 817.8 %



1

Incident Energy (eV)

10-Ne-22

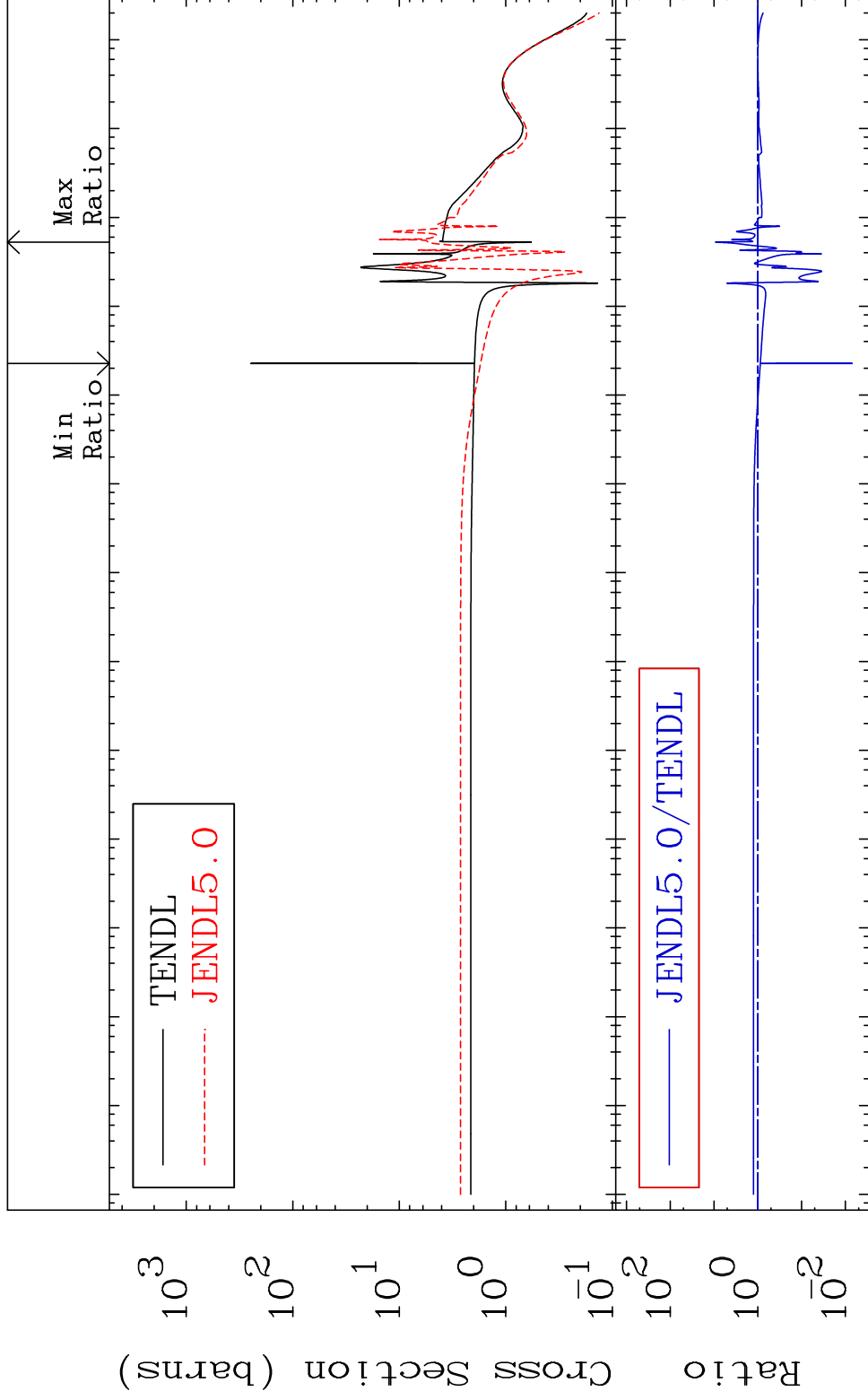
MAT 1031

Elastic

10-Ne-22

Cross Section

-99.30 To 817.8 %

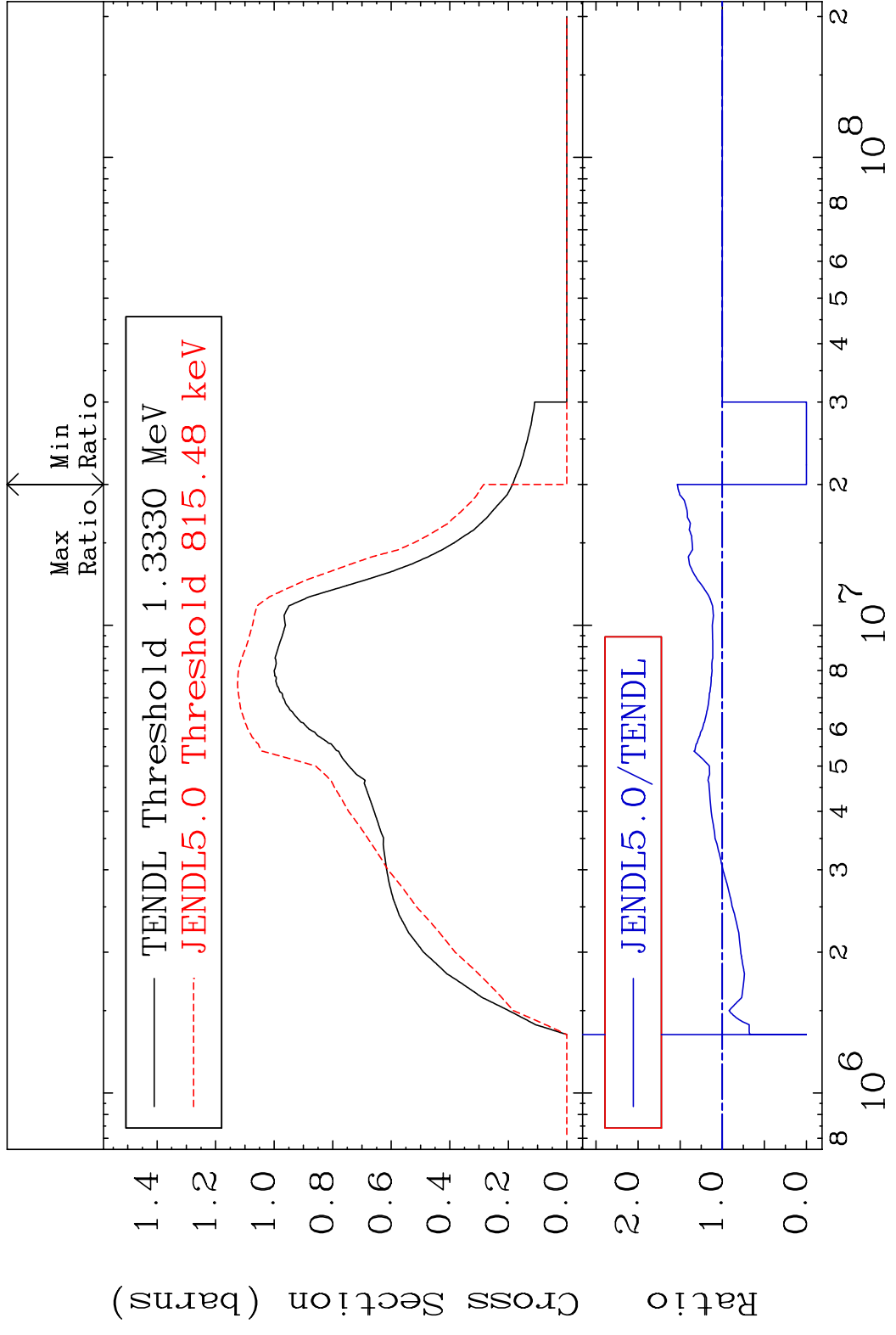


2

Incident Energy (eV)

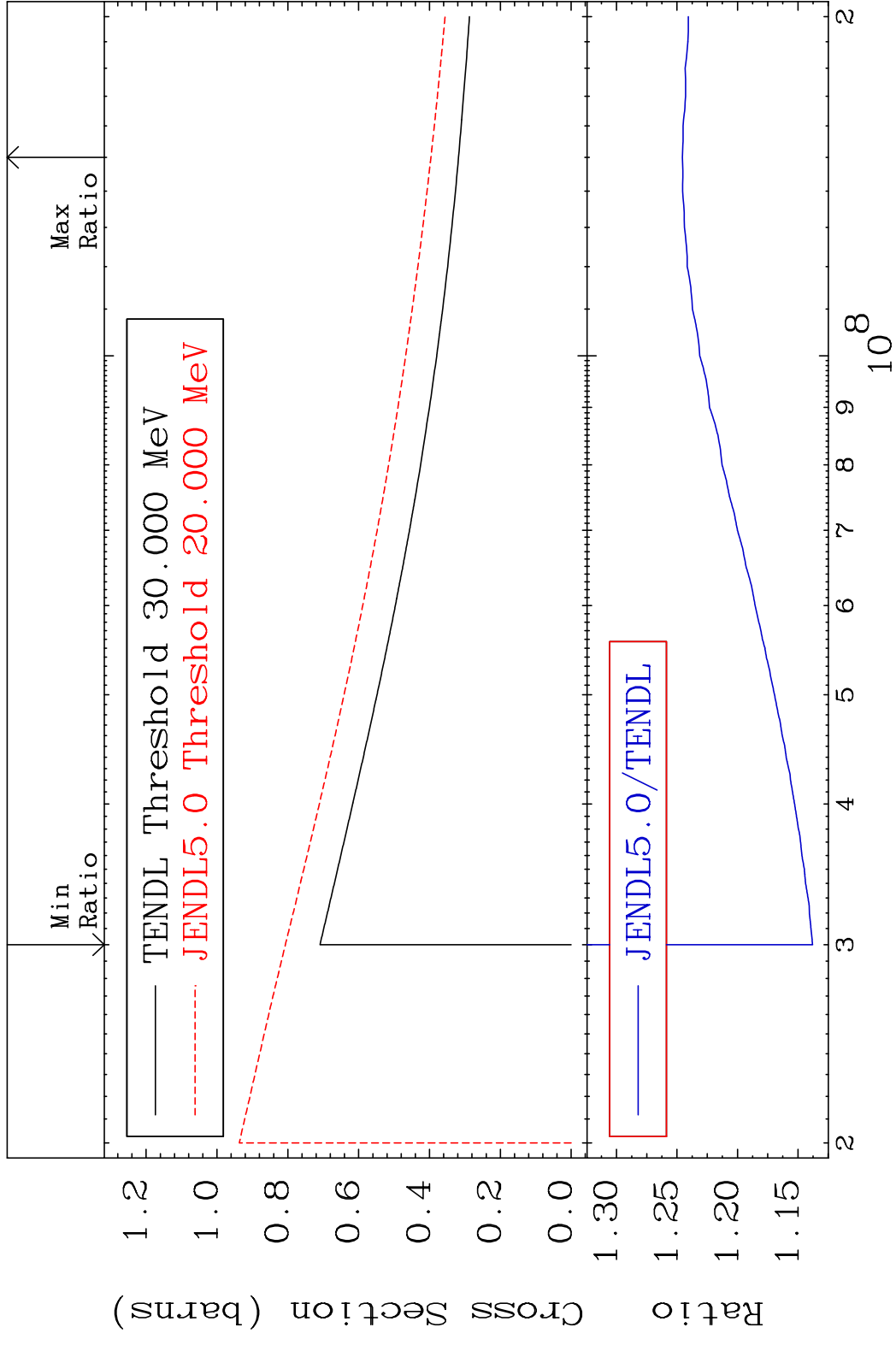
10-Ne-22

MAT 1031 Inelastic Cross Section -100.0 To 53.52 % 10-Ne-22



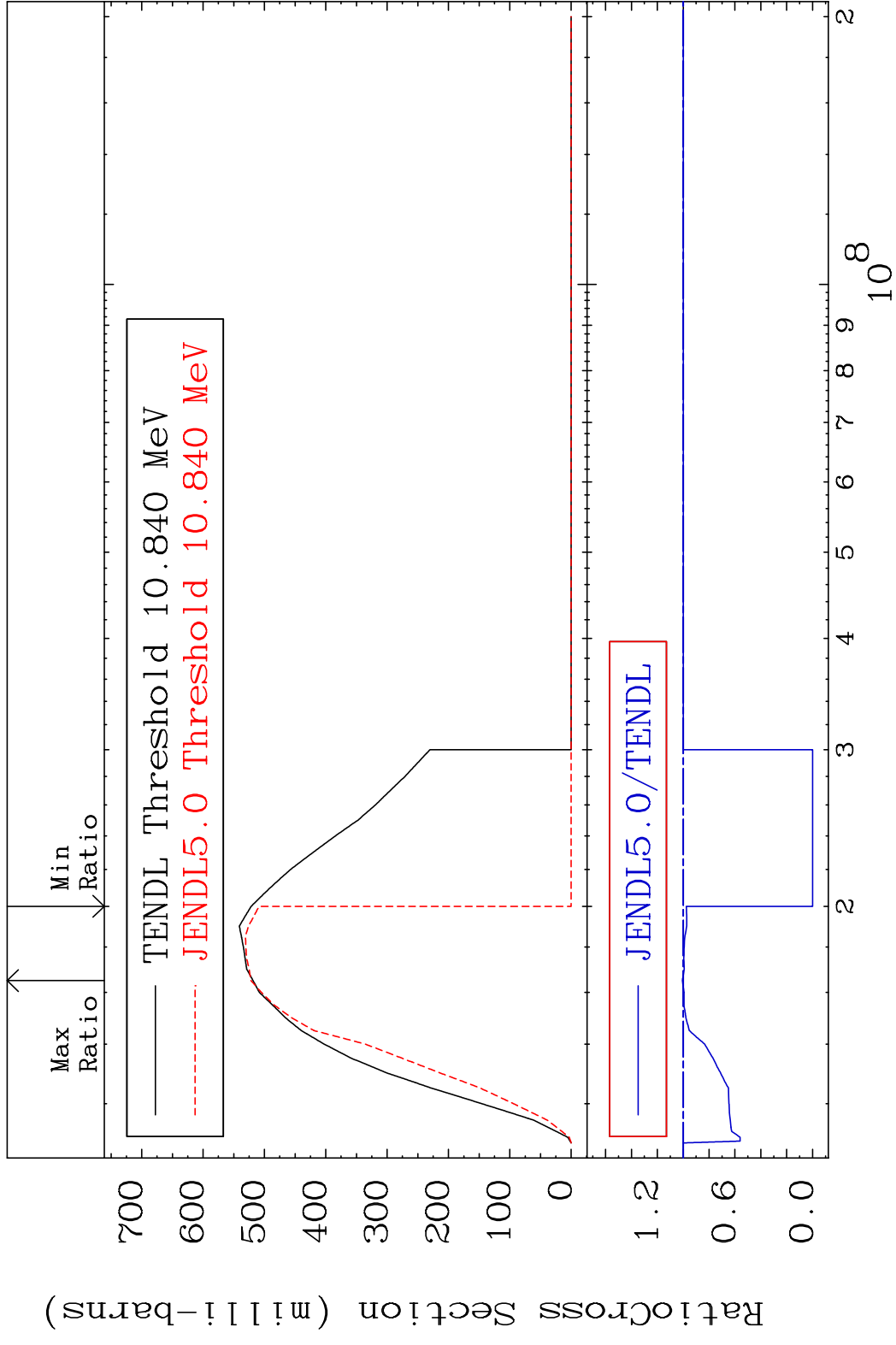
3 Incident Energy (eV) 10-Ne-22

MAT 1031 (n, remainder) 10-Ne-22  
 Cross Section 13.79 To 24.56 %



4 Incident Energy (eV) 10-Ne-22

MAT 1031 (n,2n) 10-Ne-22  
 Cross Section -100.0 To 0.657 %







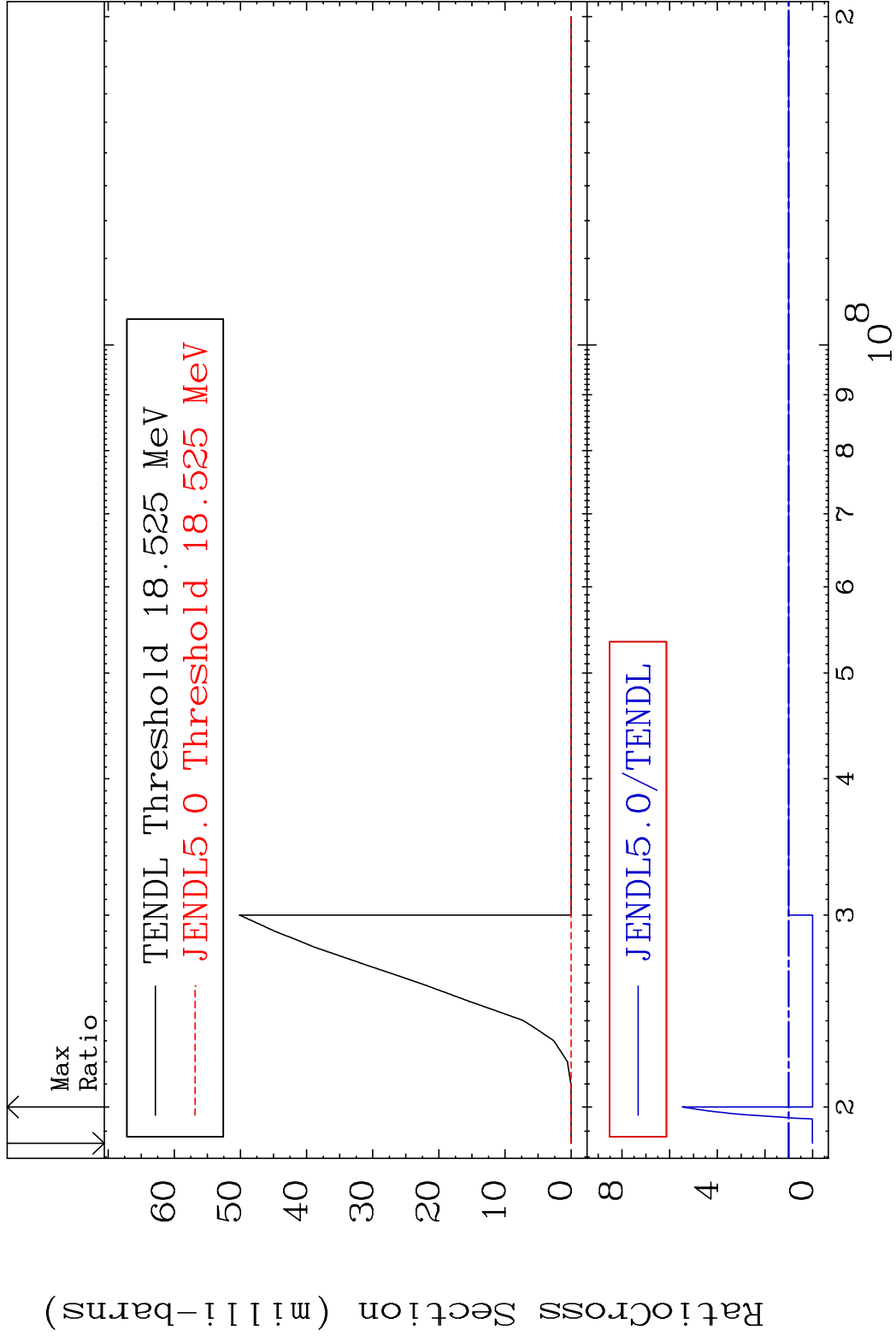


MAT 1031

(n,2n)  $\alpha$

10-Ne-22

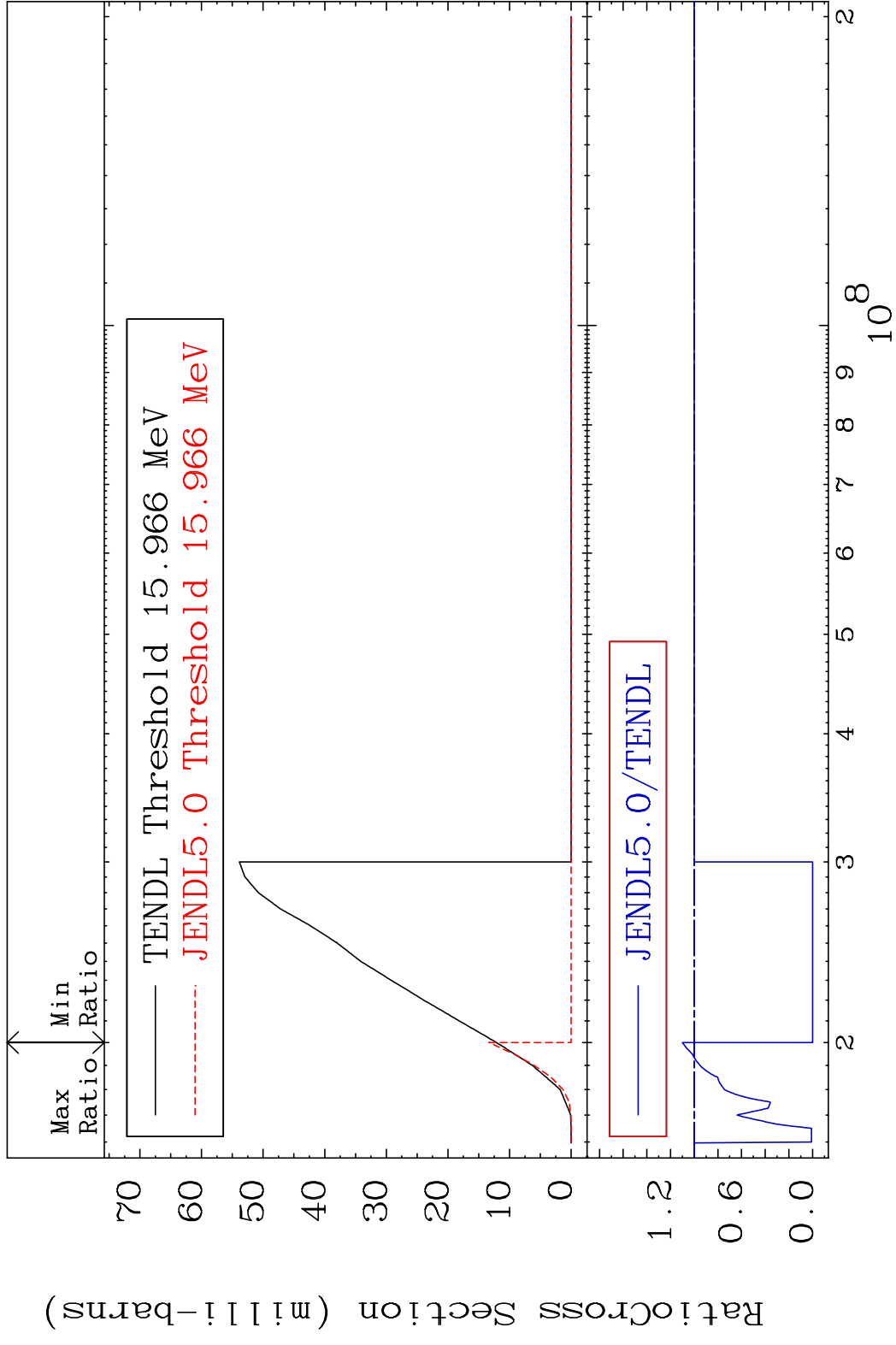
Cross Section -100.0 To 446.8 %



8

10-Ne-22

MAT 1031 (n, n') p 10-Ne-22  
 Cross Section -100.0 To 10.01 %

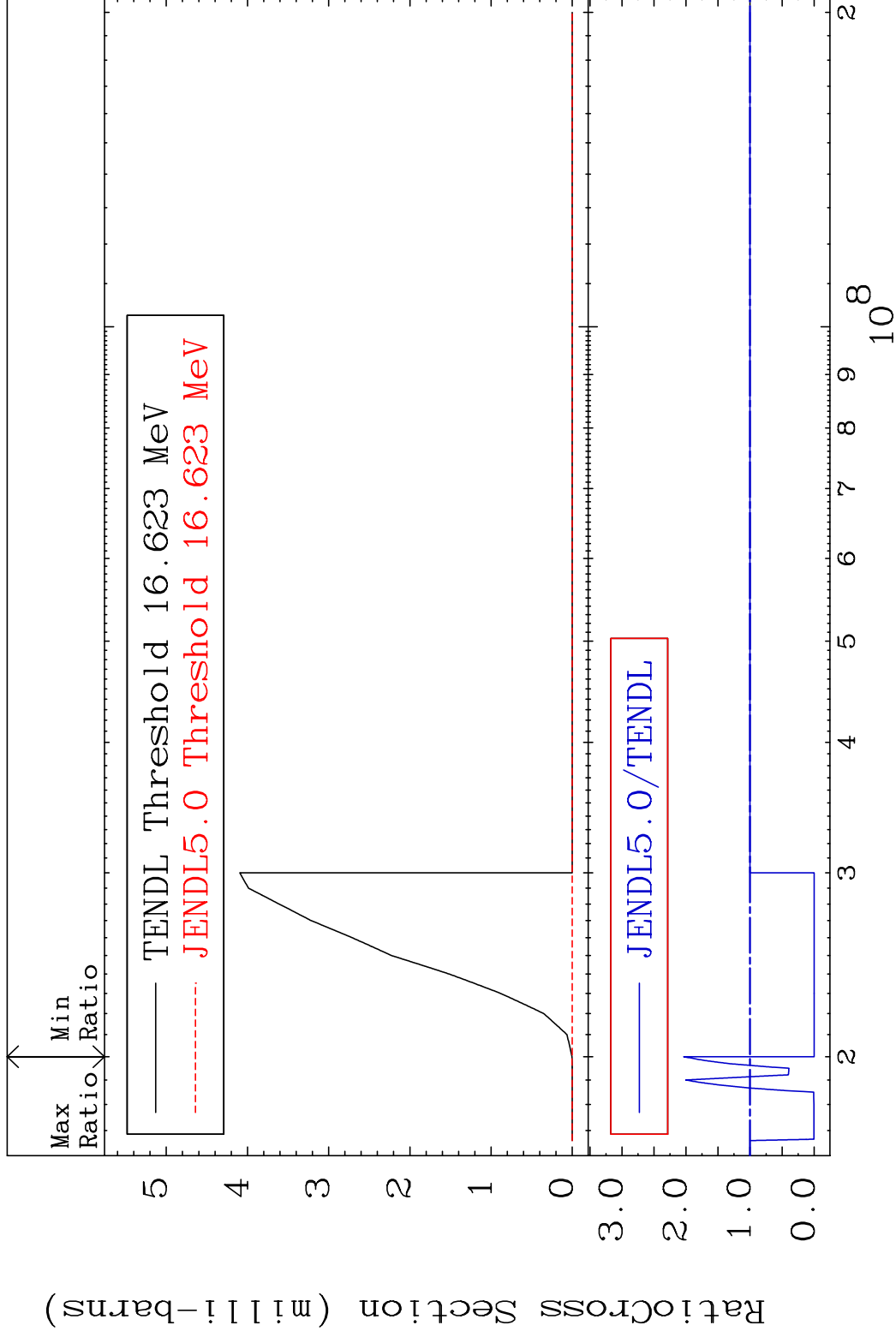


MAT 1031

(n, n') 2 $\alpha$

10-Ne-22

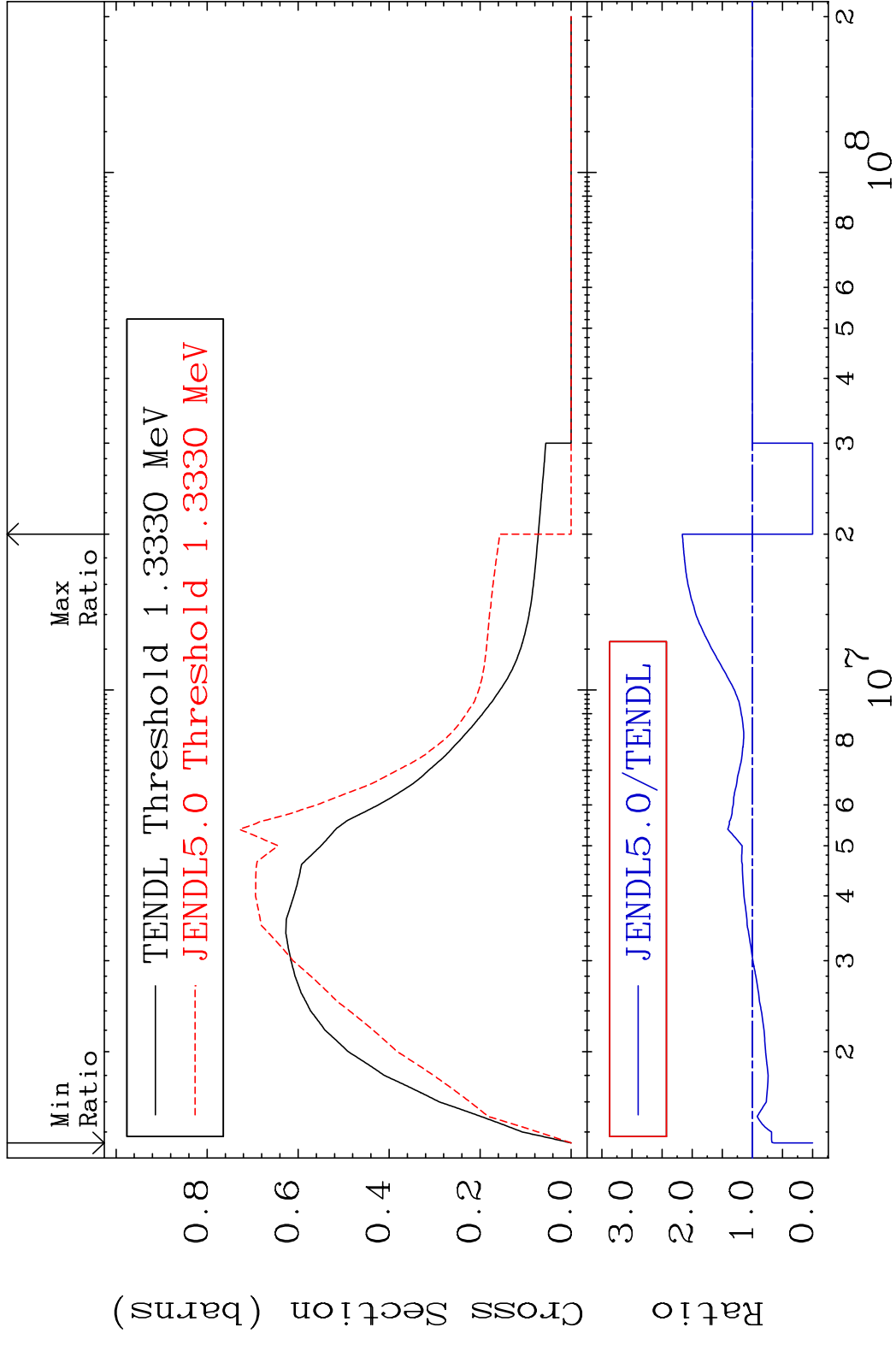
Cross Section -100.0 To 103.7 %



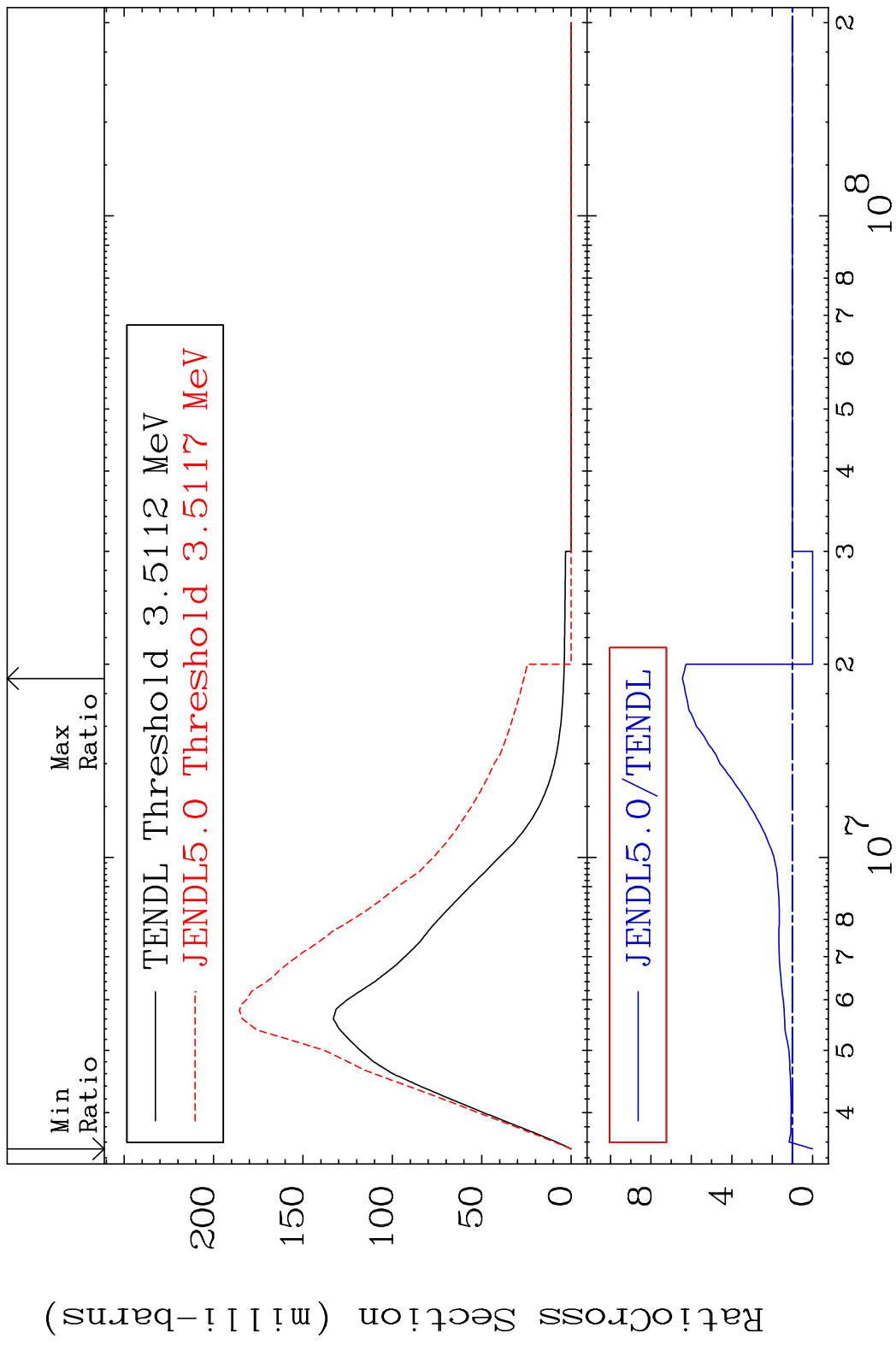
10

10-Ne-22

MAT 1031 MT= 51 (n, n') Level 10-Ne-22  
 Cross Section -100.0 To 116.3 %

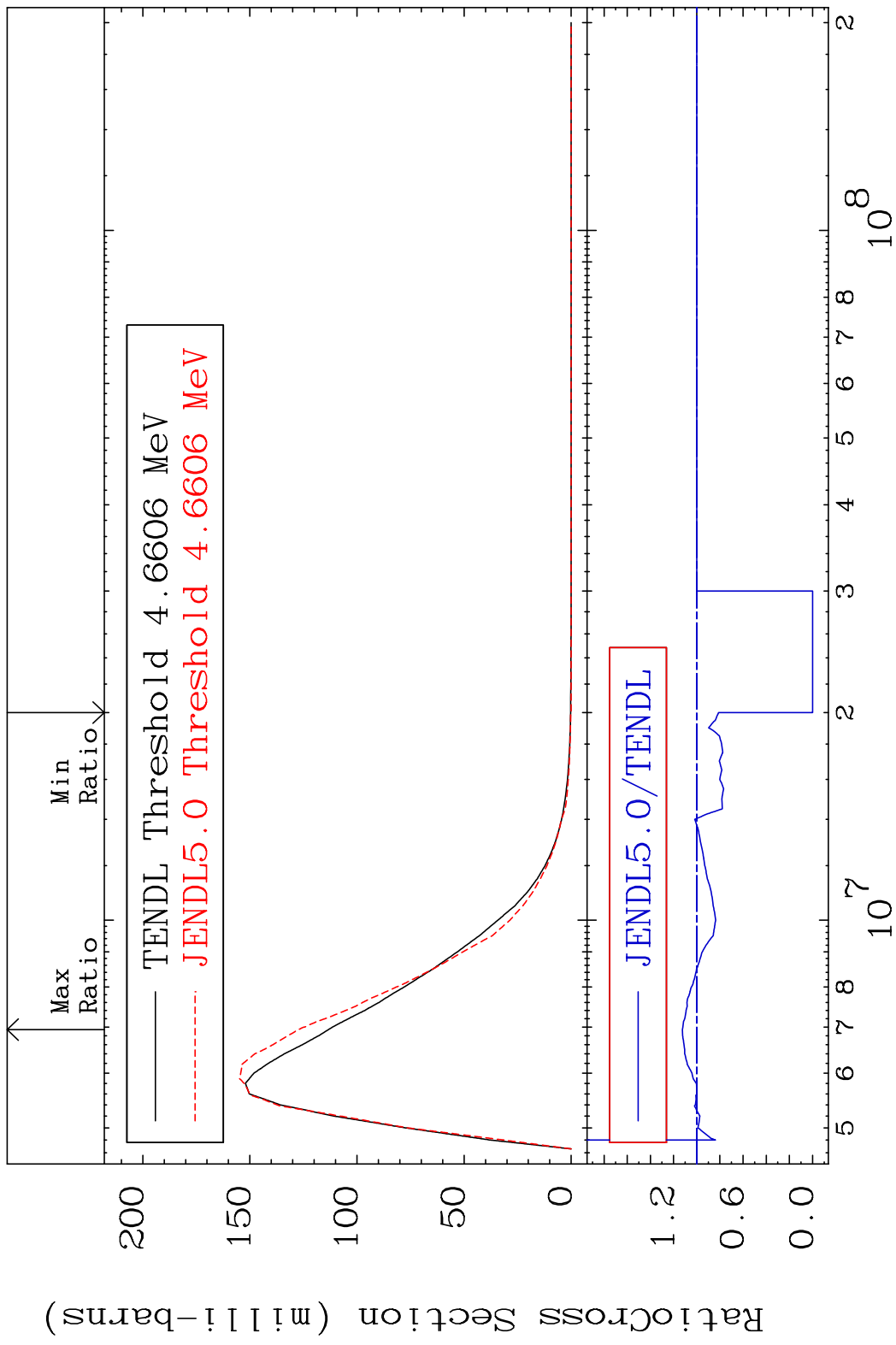


MAT 1031 MT= 52 (n, n') Level 10-Ne-22  
 Cross Section -100.0 To 544.8 %

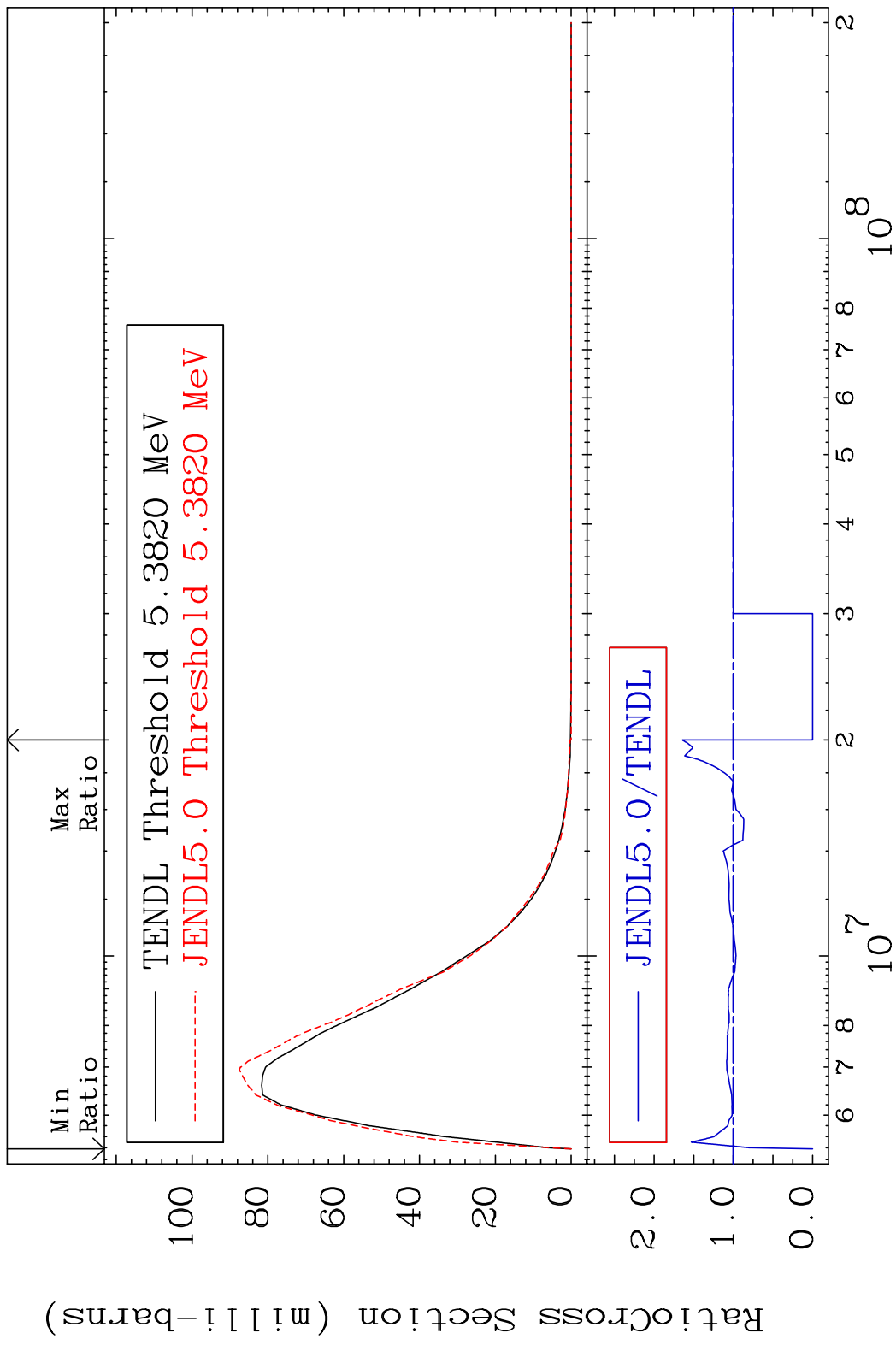


12 10-Ne-22

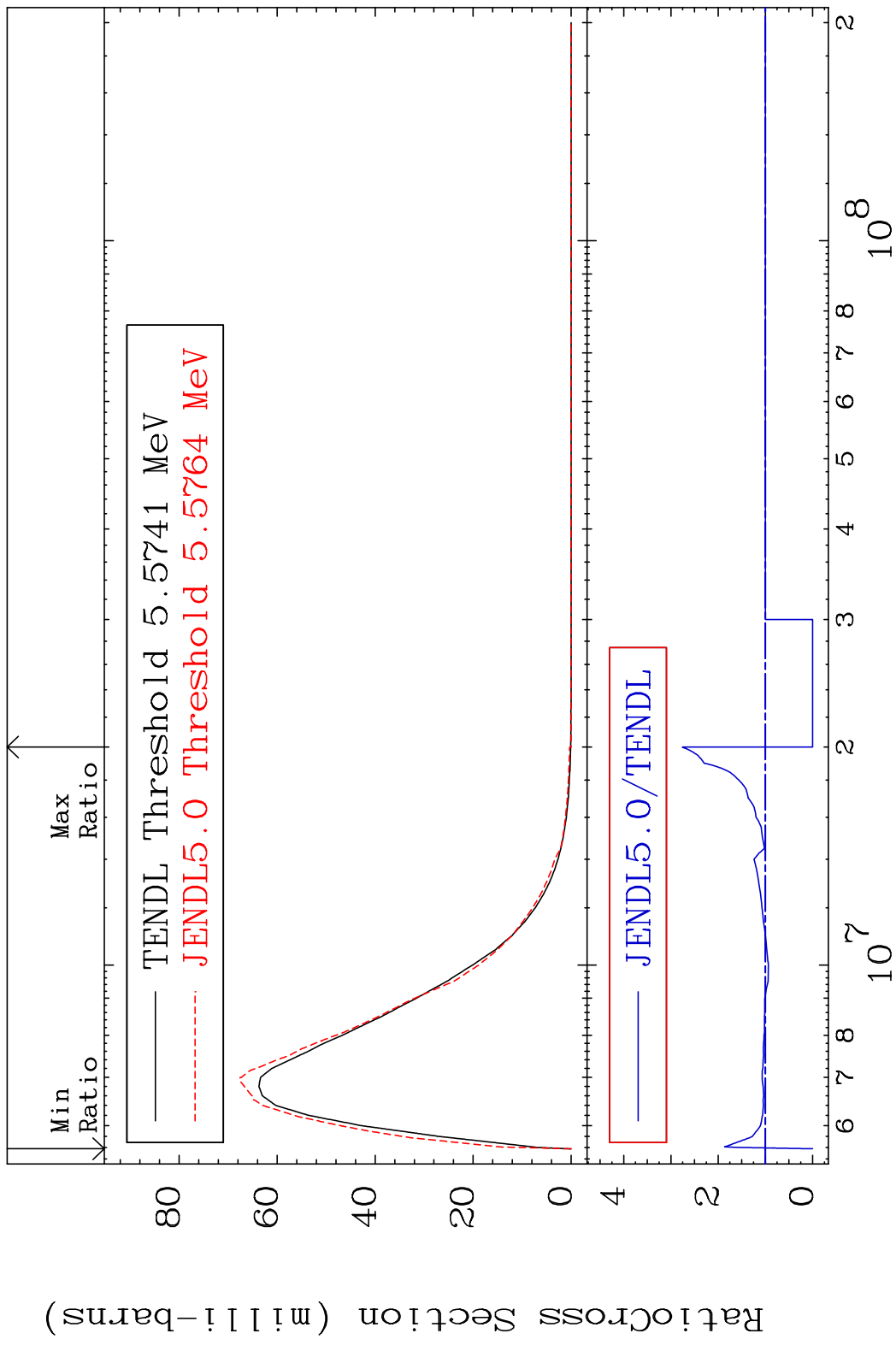
MAT 1031 MT= 53 (n, n') Level 10-Ne-22  
 Cross Section -100.0 To 12.41 %



MAT 1031 MT= 54 (n,n') Level 10-Ne-22  
 Cross Section -100.0 To 64.33 %



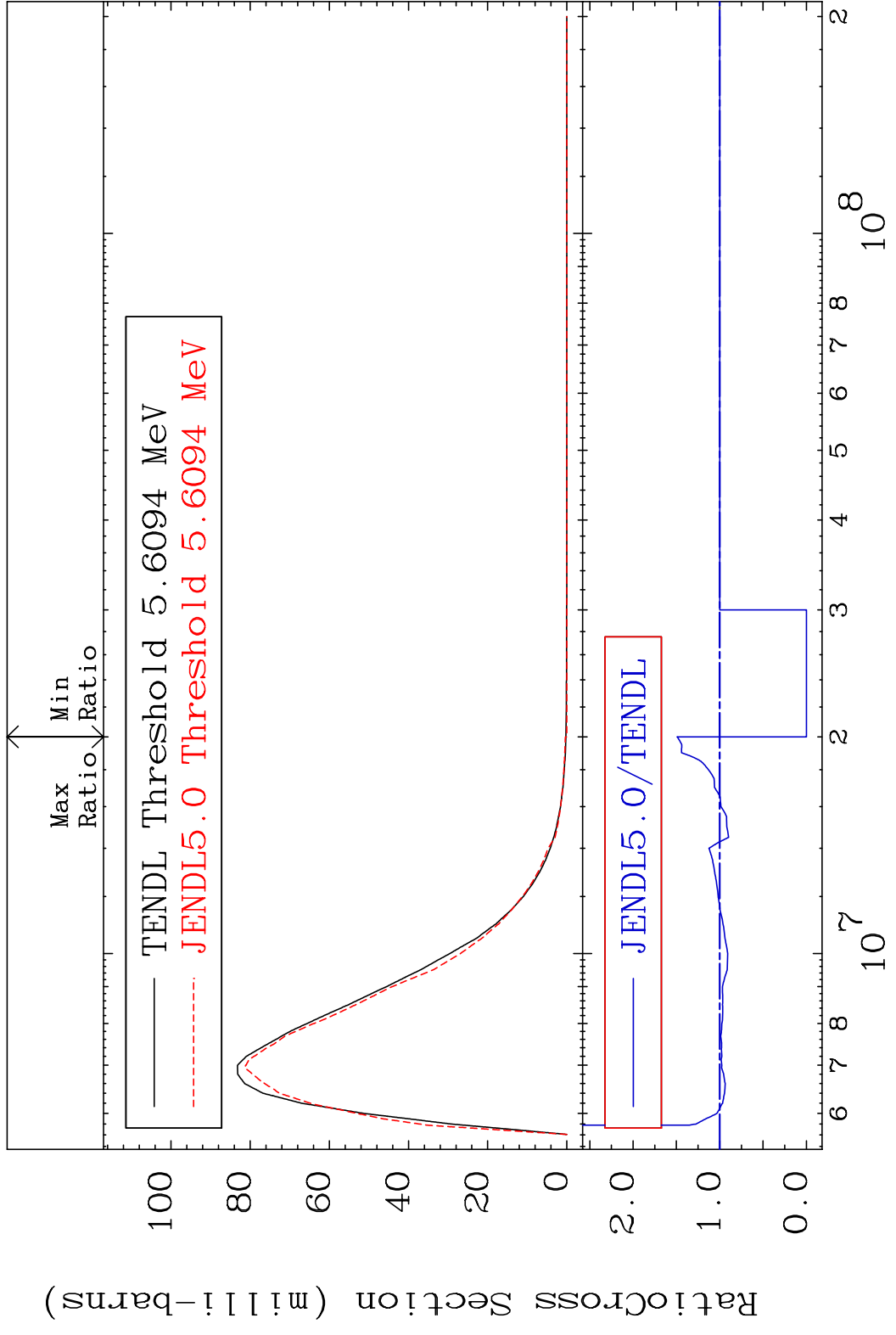
MAT 1031 MT= 55 (n, n') Level 10-Ne-22  
 Cross Section -100.0 To 175.7 %



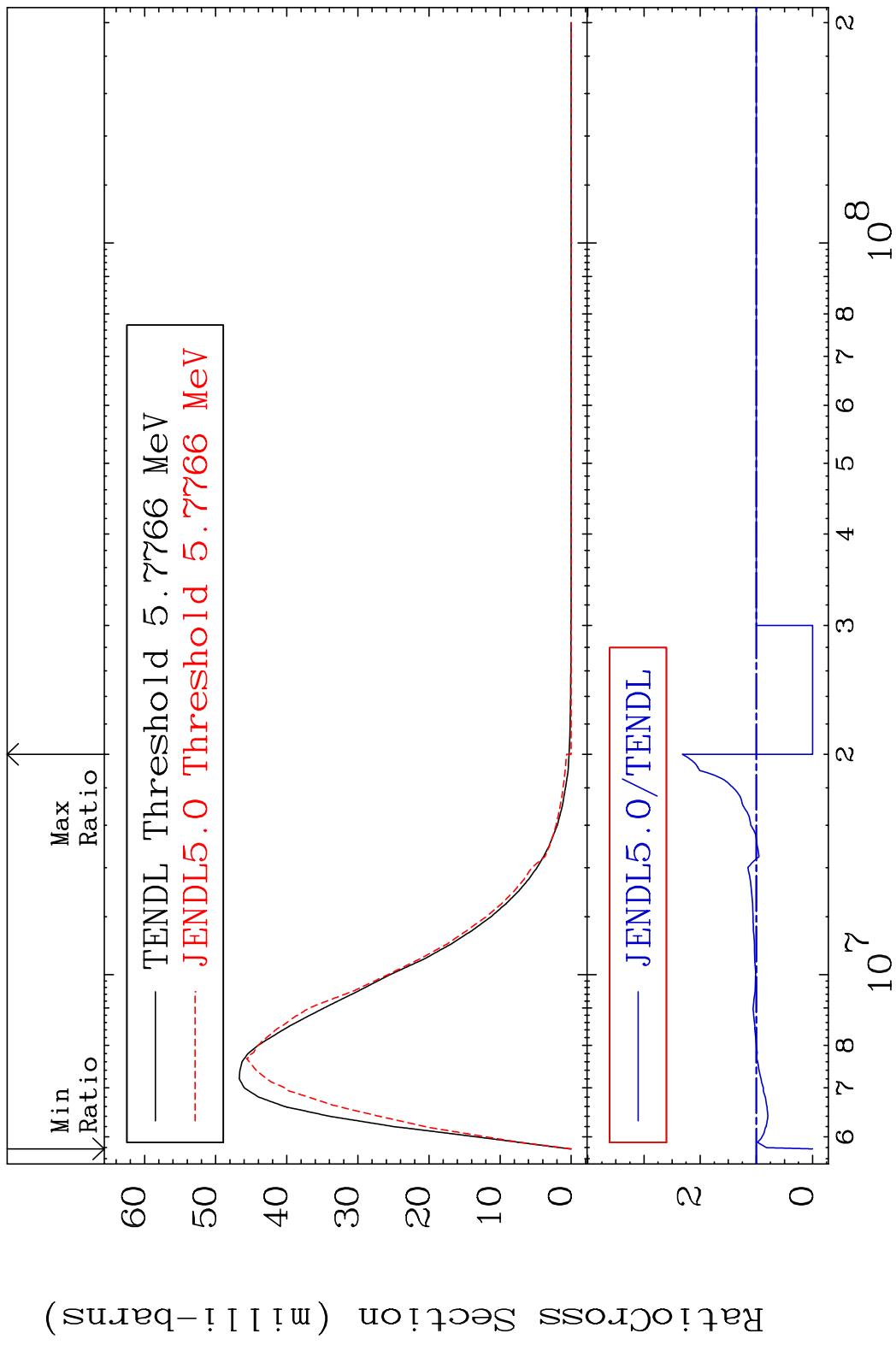
15 10-Ne-22



MAT 1031 MT= 56 (n,n') Level 10-Ne-22  
 Cross Section -100.0 To 49.11 %

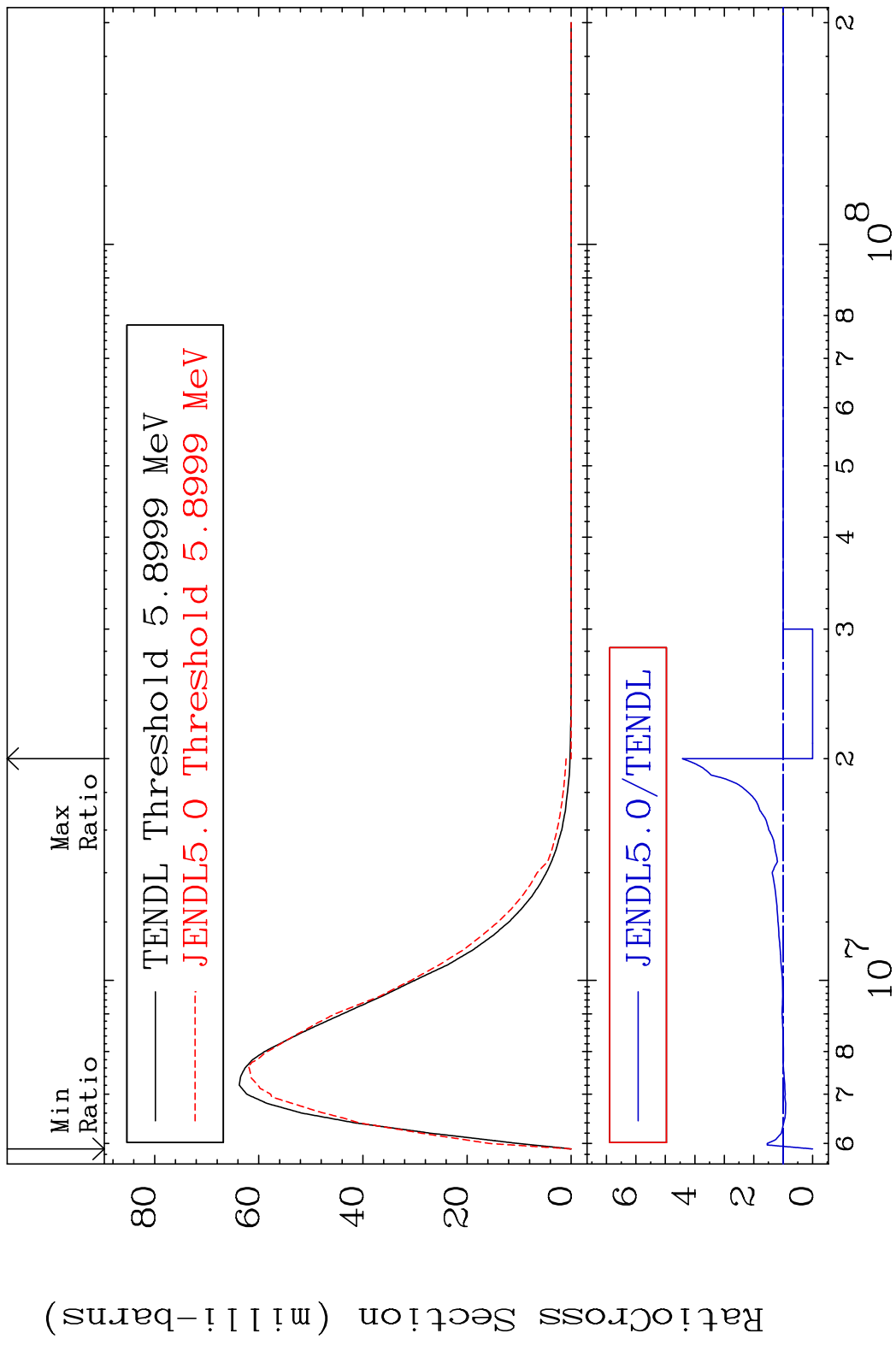


MAT 1031 MT= 57 (n, n') Level 10-Ne-22  
 Cross Section -100.0 To 131.7 %

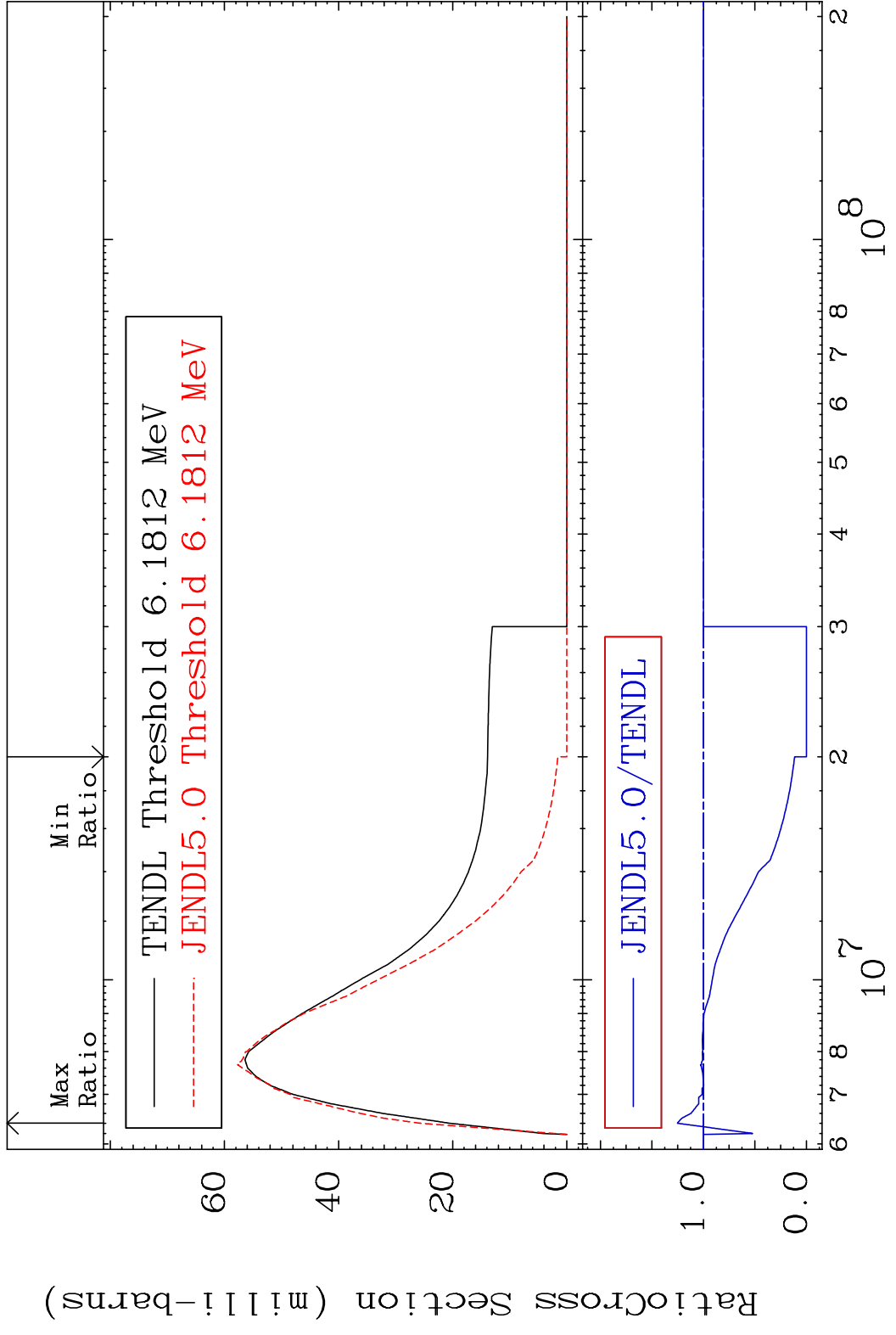


17 Incident Energy (eV) 10-Ne-22

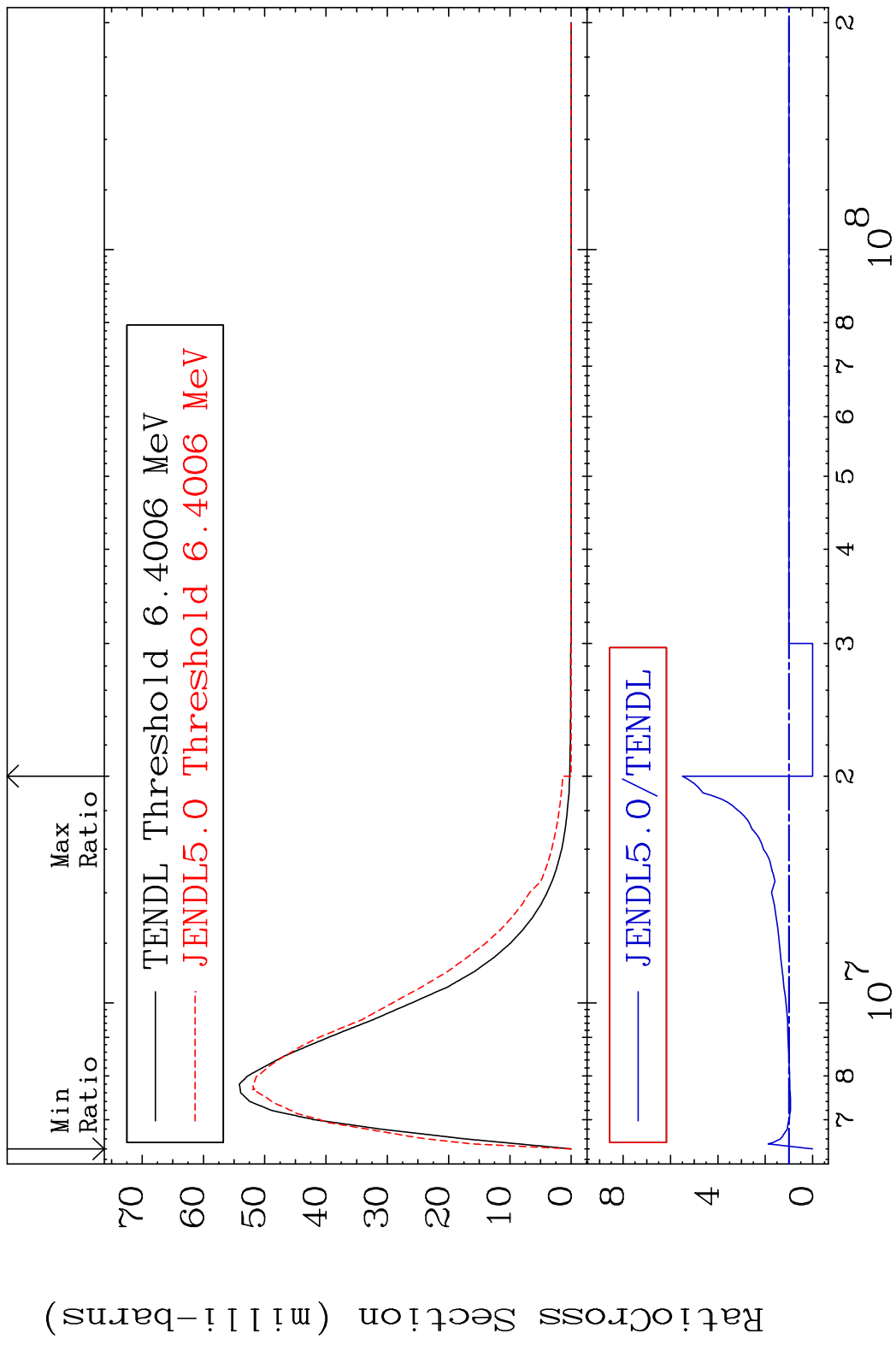
MAT 1031 MT= 58 (n, n') Level 10-Ne-22  
 Cross Section -100.0 To 342.4 %



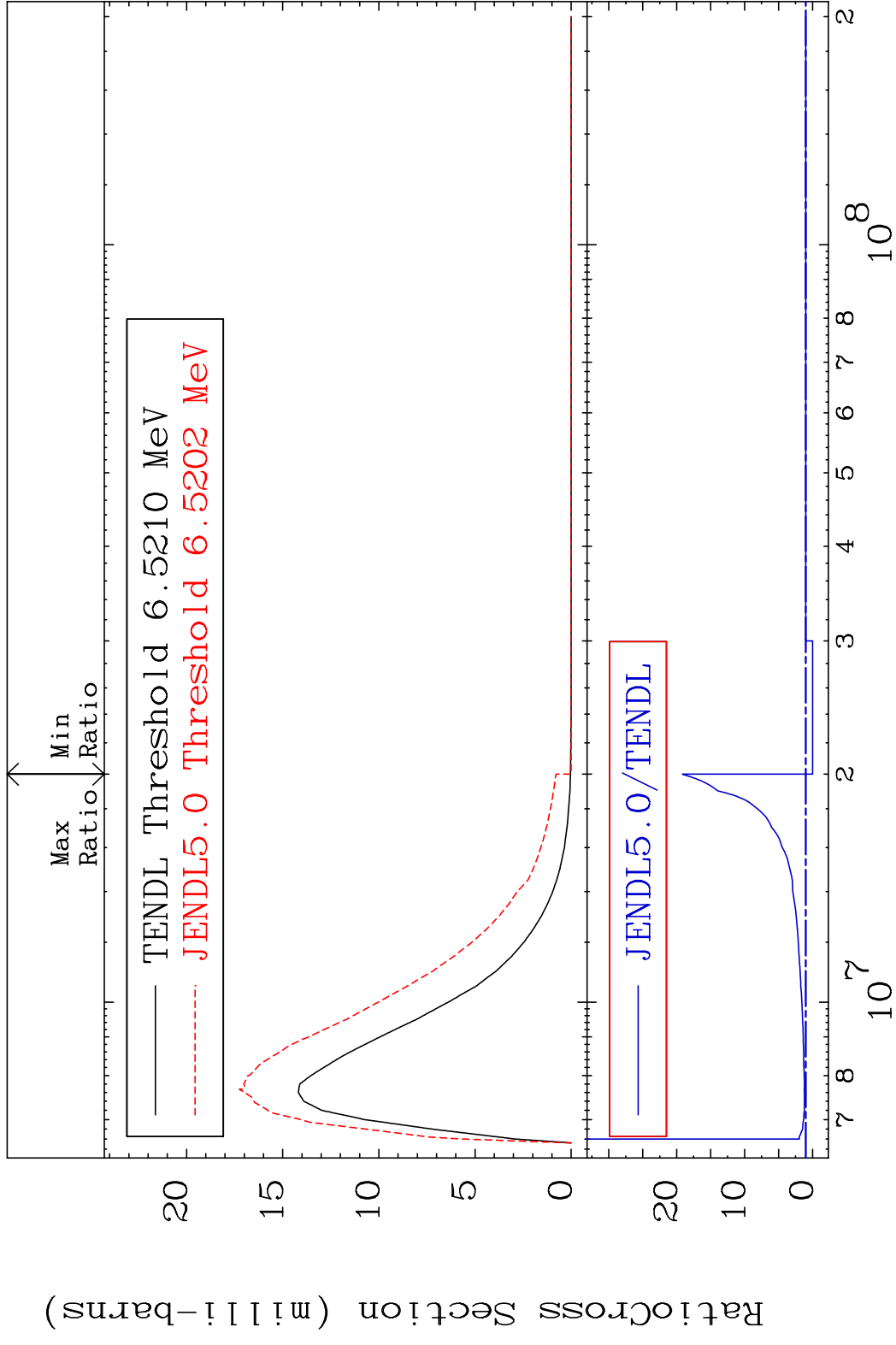
MAT 1031 MT= 59 (n, n') Level 10-Ne-22  
 Cross Section -100.0 To 25.47 %



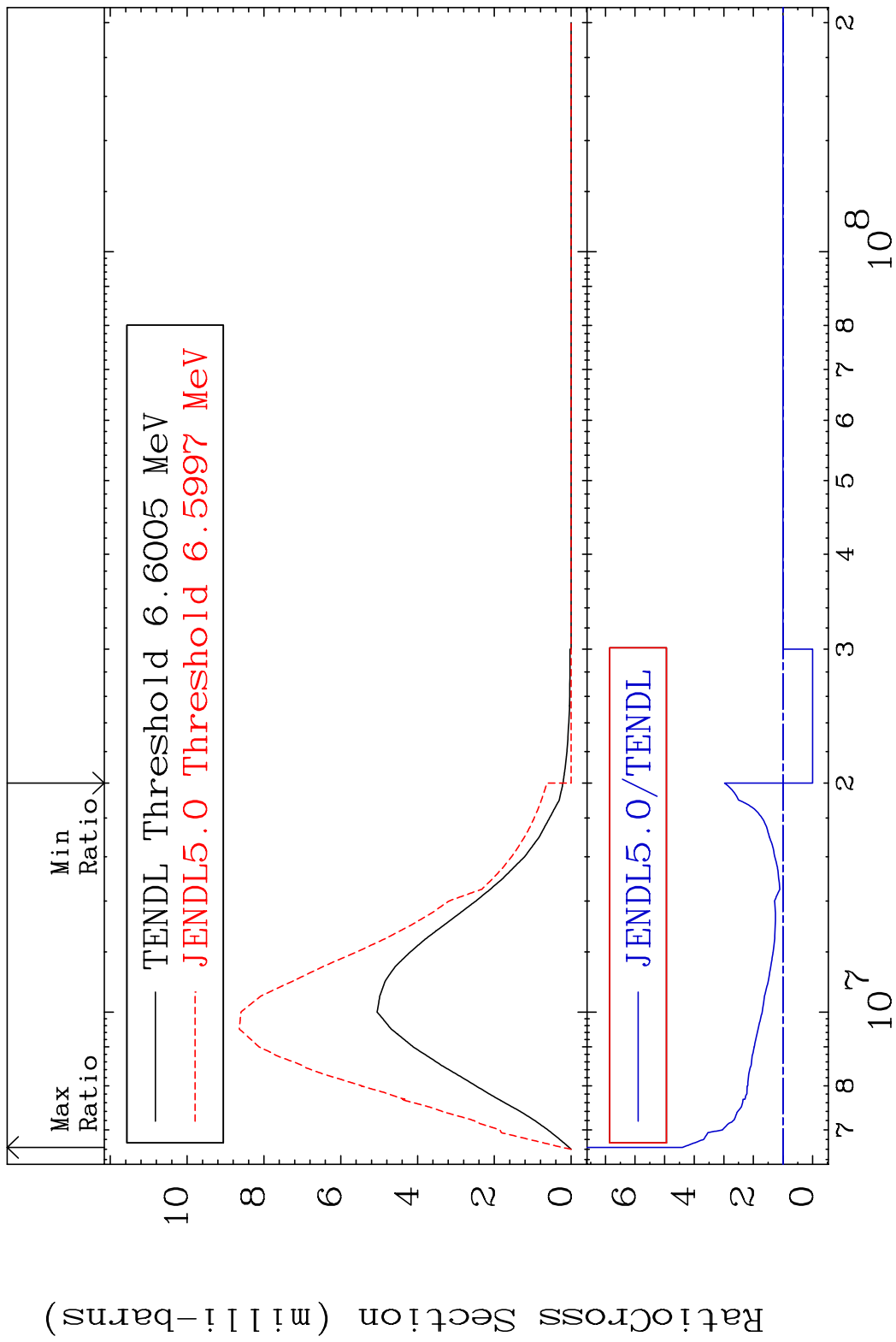
MAT 1031 MT= 60 (n,n') Level 10-Ne-22  
 Cross Section -100.0 To 450.0 %



MAT 1031 MT= 61 (n,n') Level 10-Ne-22  
 Cross Section -100.0 To 1817. %

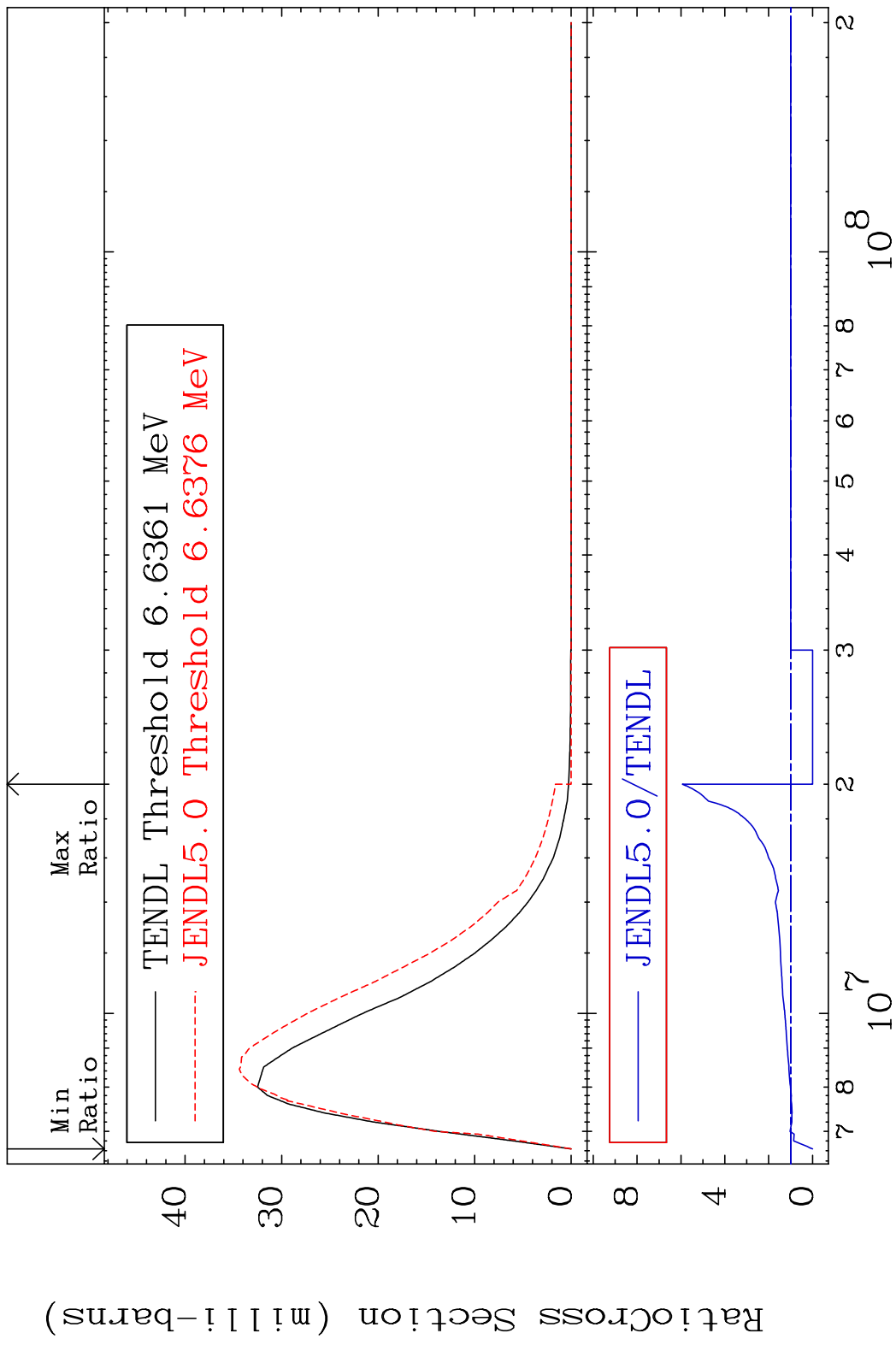


MAT 1031 MT= 62 (n,n') Level 10-Ne-22  
 Cross Section -100.0 To 340.1 %



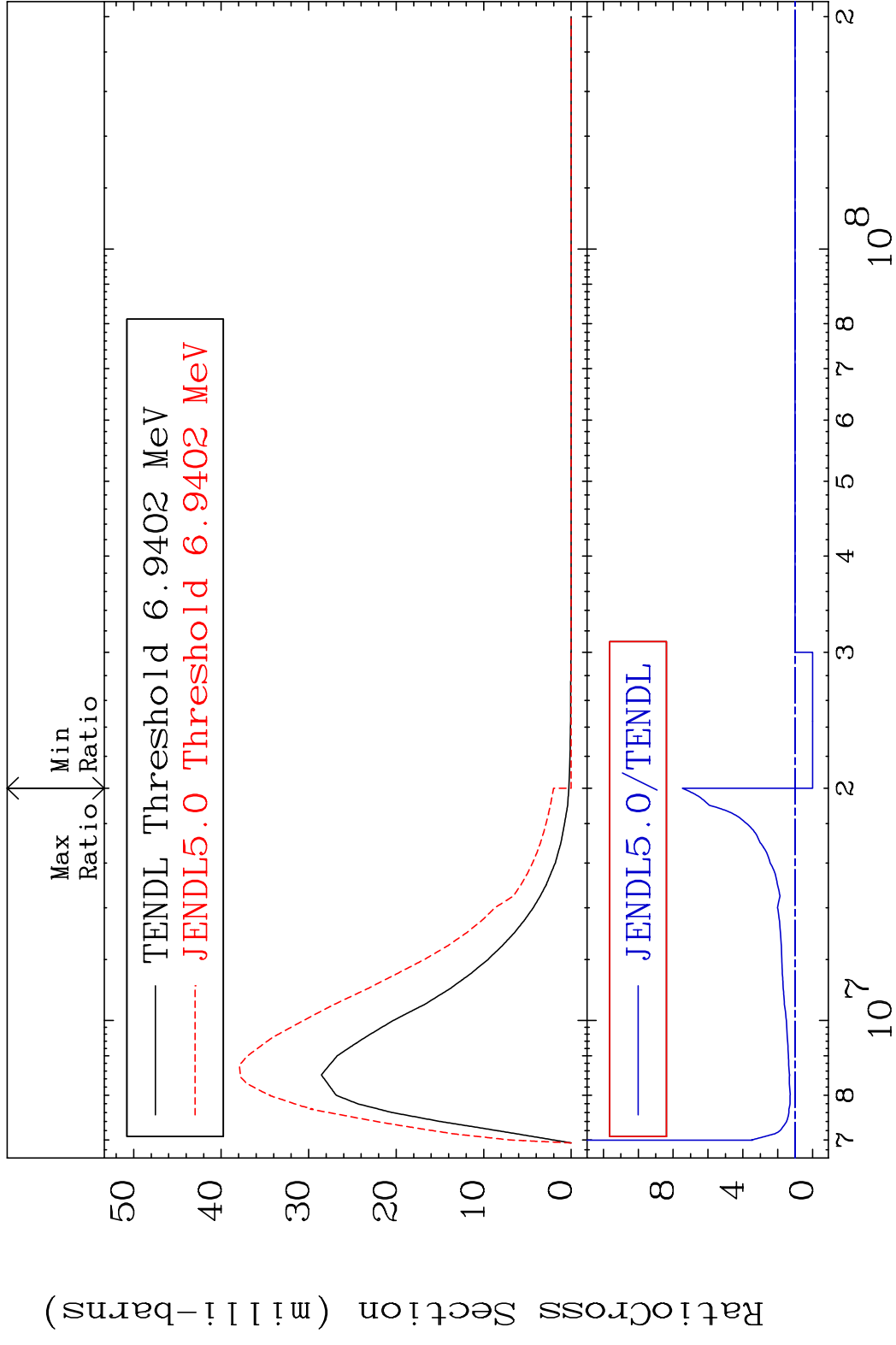
22 Incident Energy (eV) 10-Ne-22

MAT 1031 MT= 63 (n, n') Level 10-Ne-22  
 Cross Section -100.0 To 493.7 %

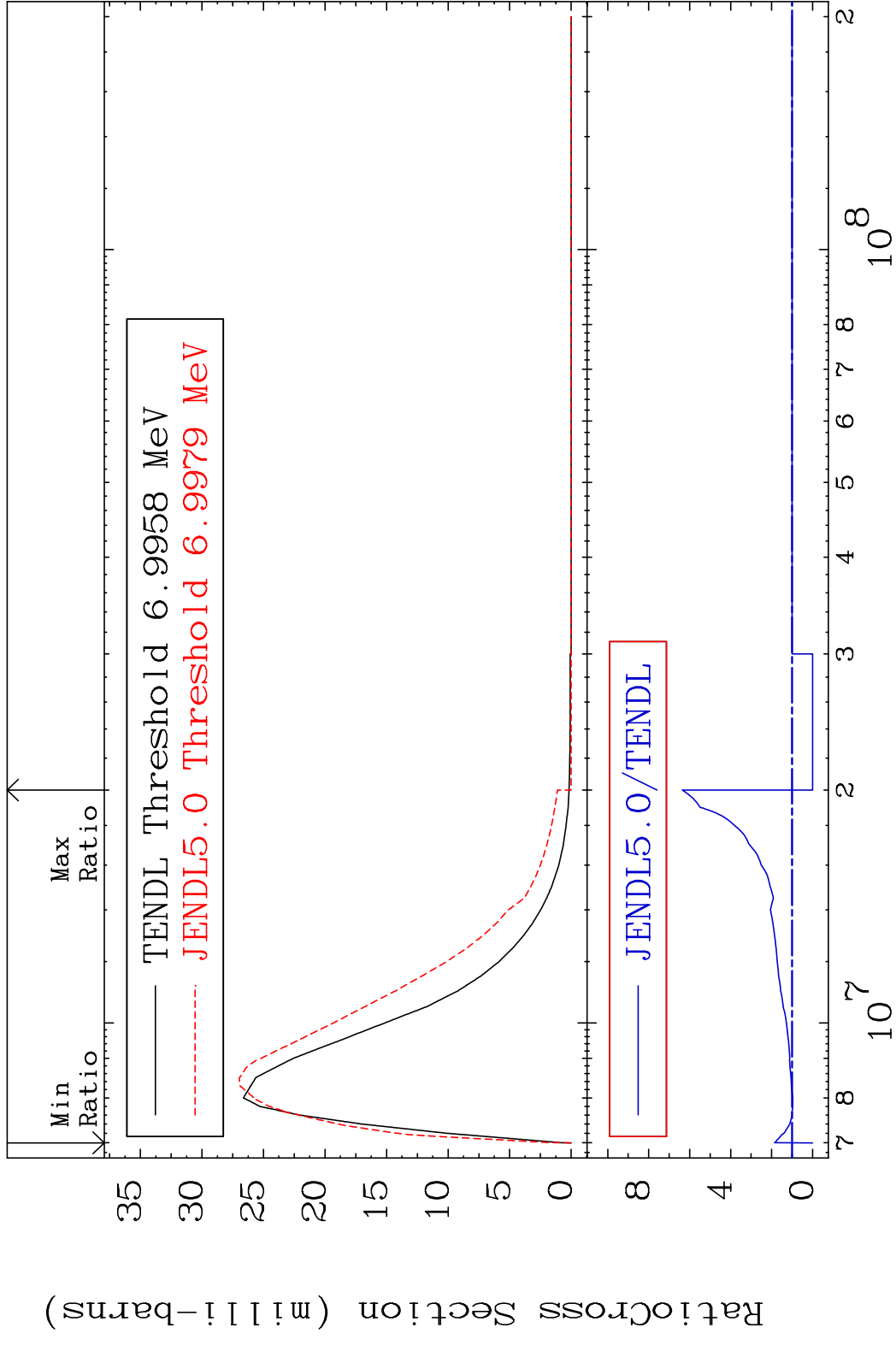




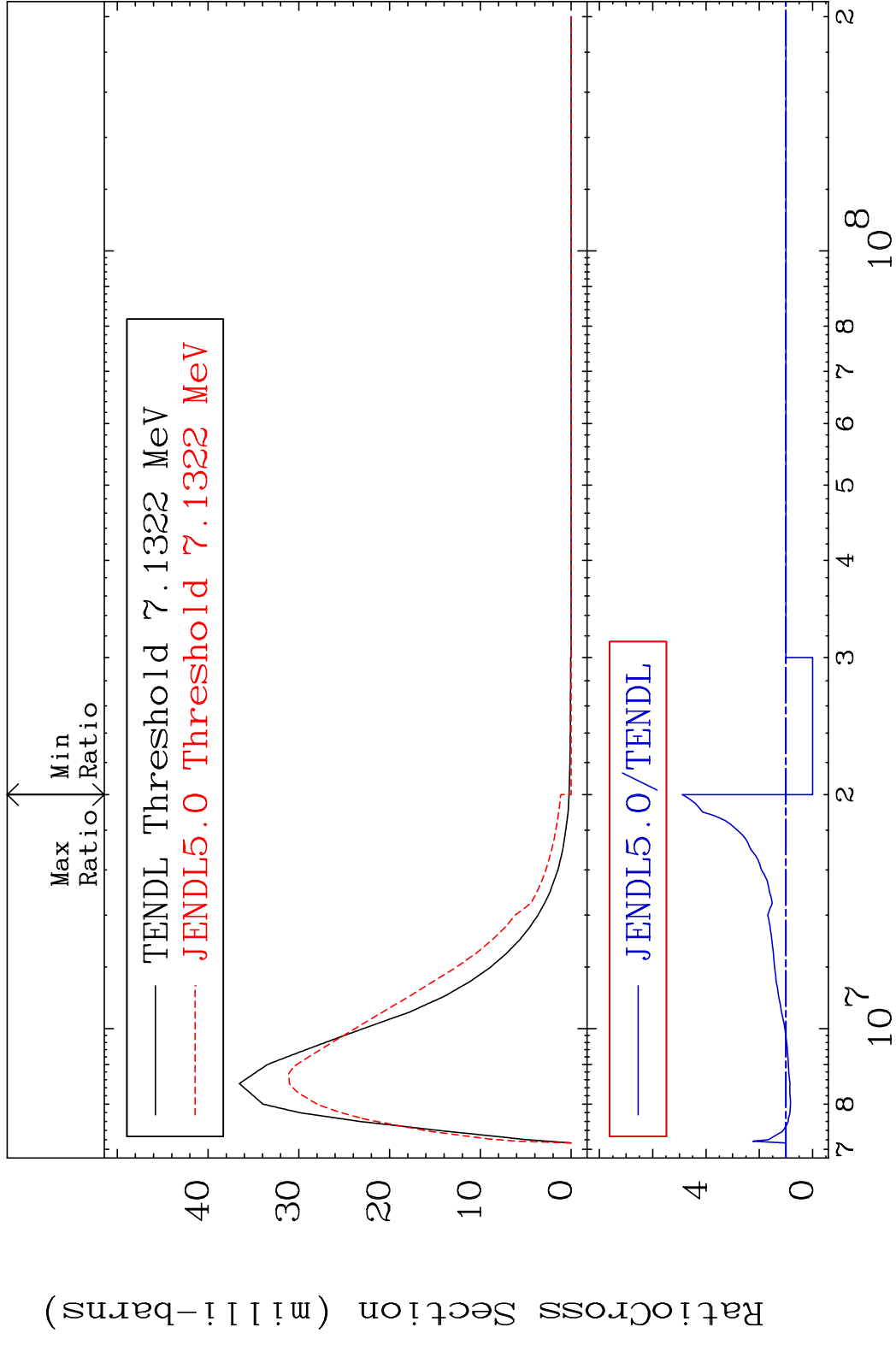
MAT 1031 MT= 64 (n,n') Level 10-Ne-22  
 Cross Section -100.0 To 647.1 %



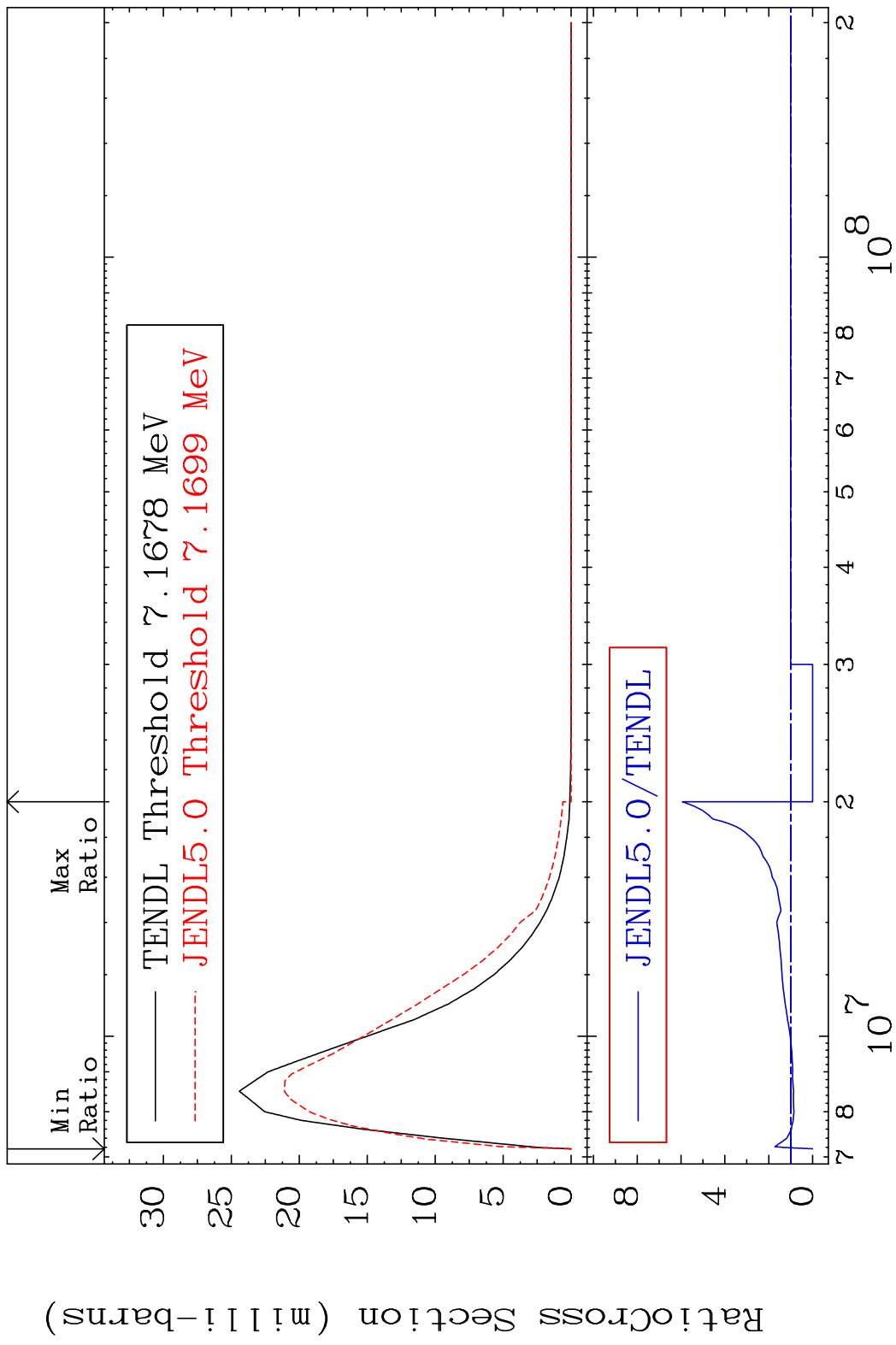
MAT 1031 MT= 65 (n,n') Level 10-Ne-22  
 Cross Section -100.0 To 535.7 %



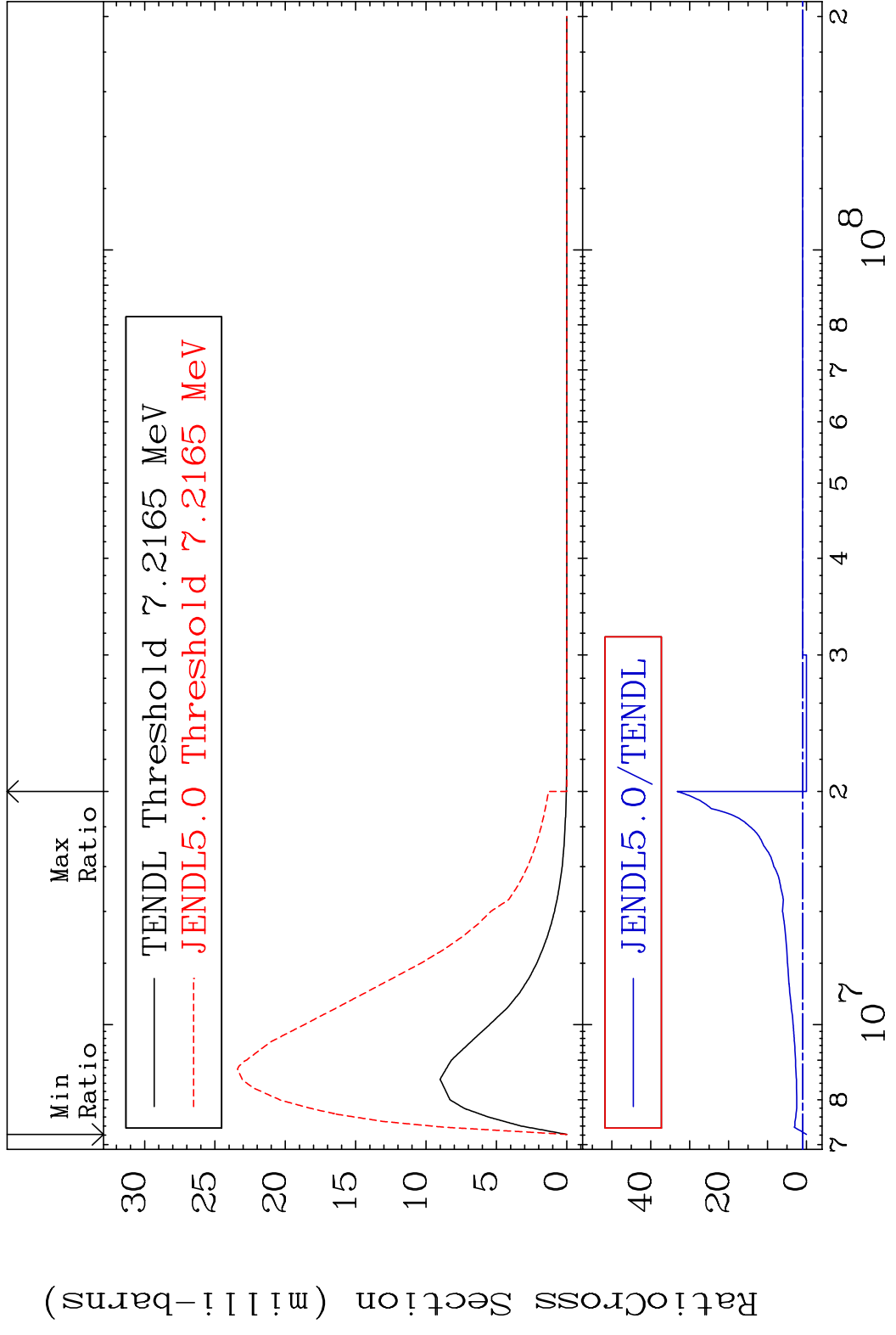
MAT 1031 MT= 66 (n,n') Level 10-Ne-22  
 Cross Section -100.0 To 388.8 %



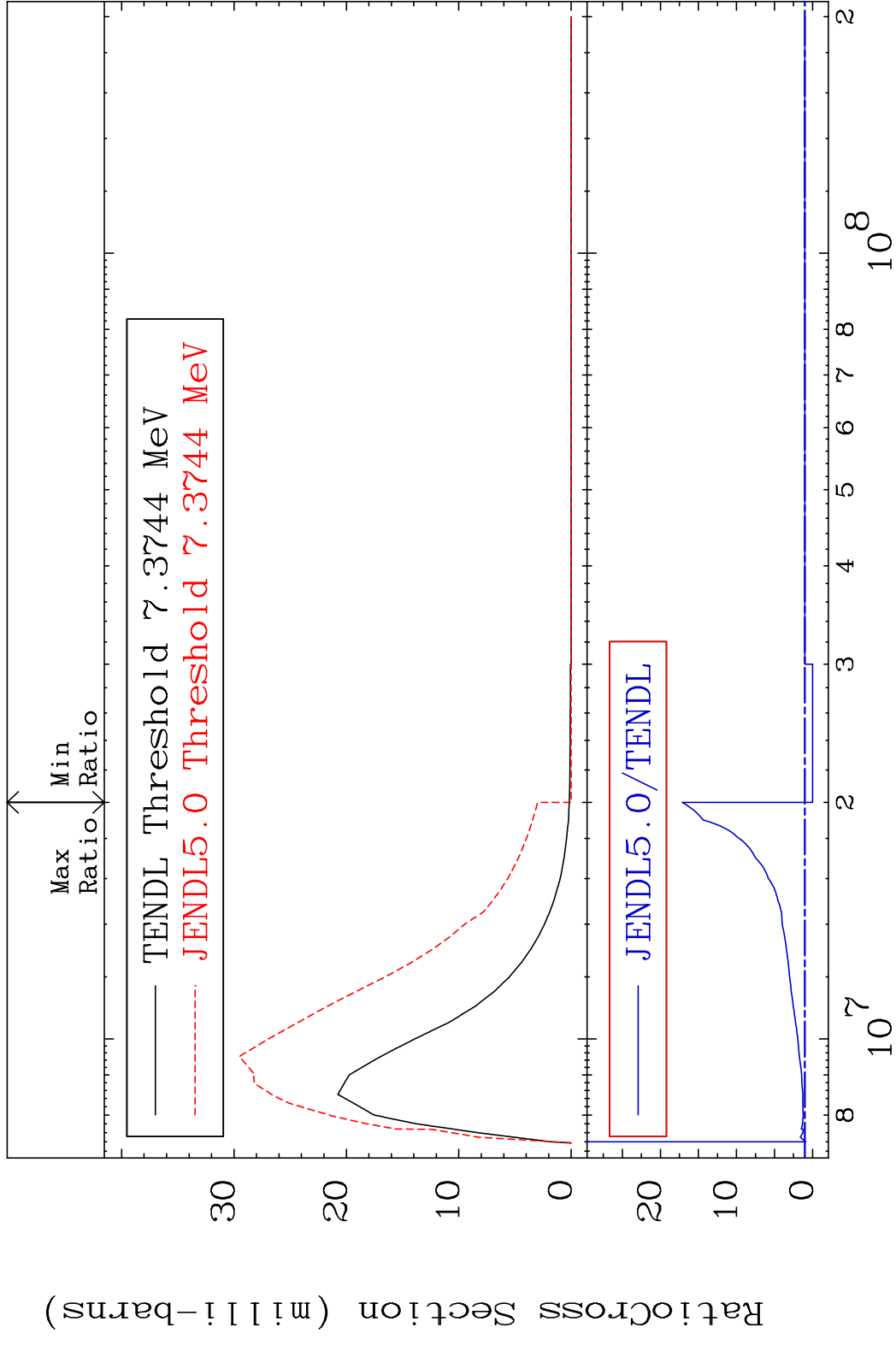
MAT 1031 MT= 67 (n, n') Level 10-Ne-22  
 Cross Section -100.0 To 494.1 %



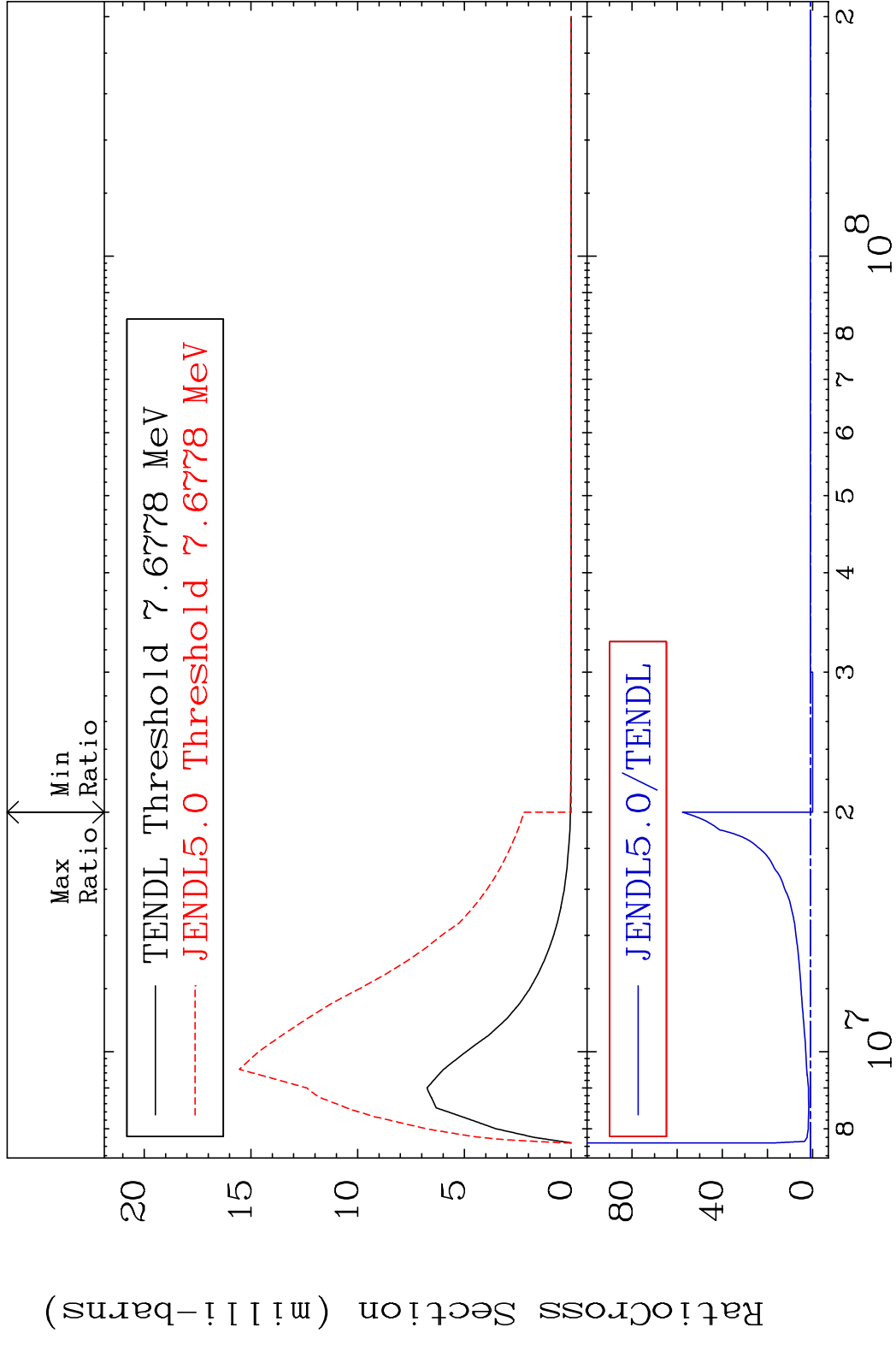
MAT 1031 MT= 68 (n,n') Level 10-Ne-22  
 Cross Section -100.0 To 3221. %



MAT 1031 MT= 69 (n,n') Level 10-Ne-22  
 Cross Section -100.0 To 1611. %

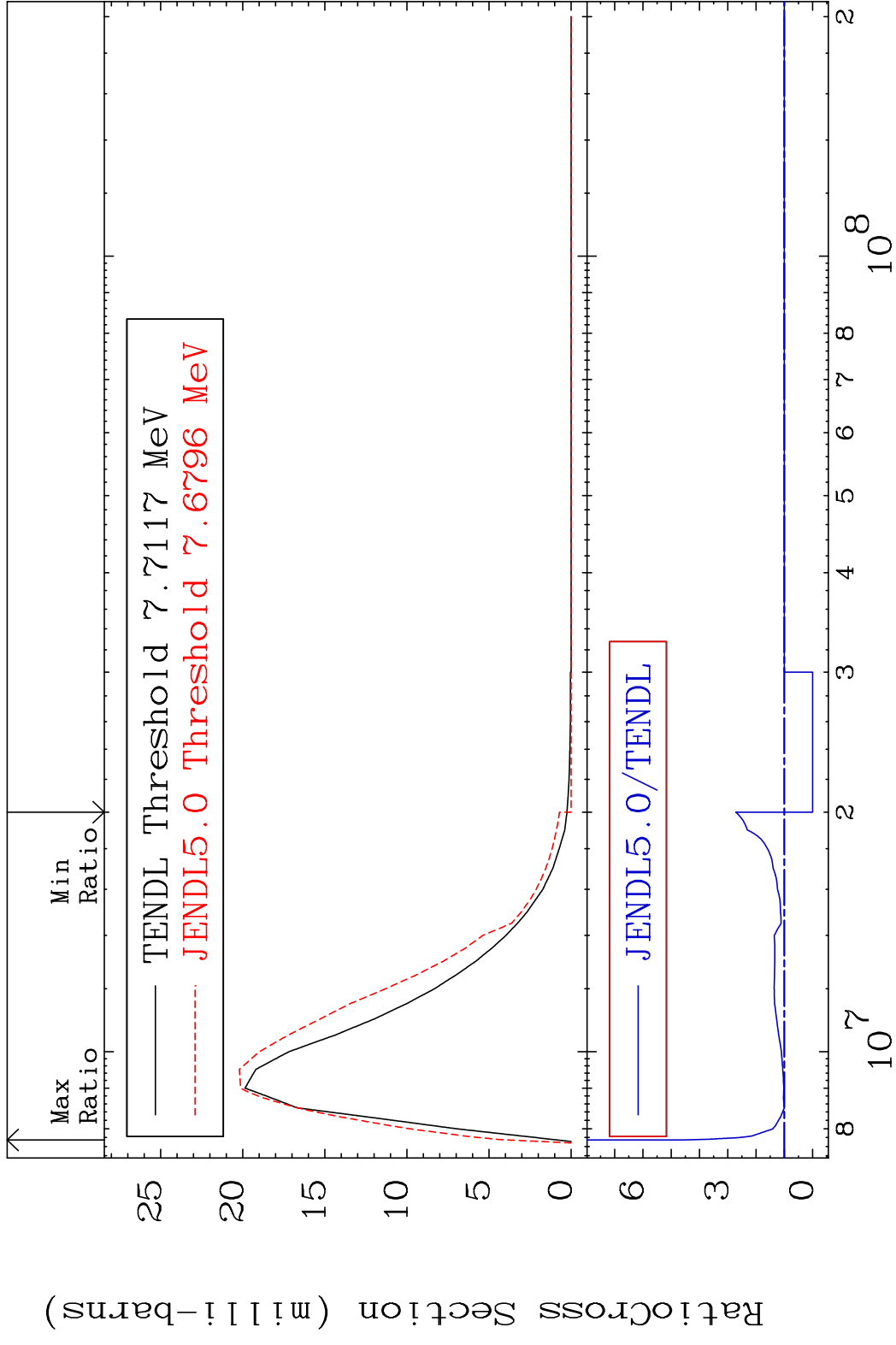


MAT 1031 MT= 70 (n, n') Level 10-Ne-22  
 Cross Section -100.0 To 5670. %



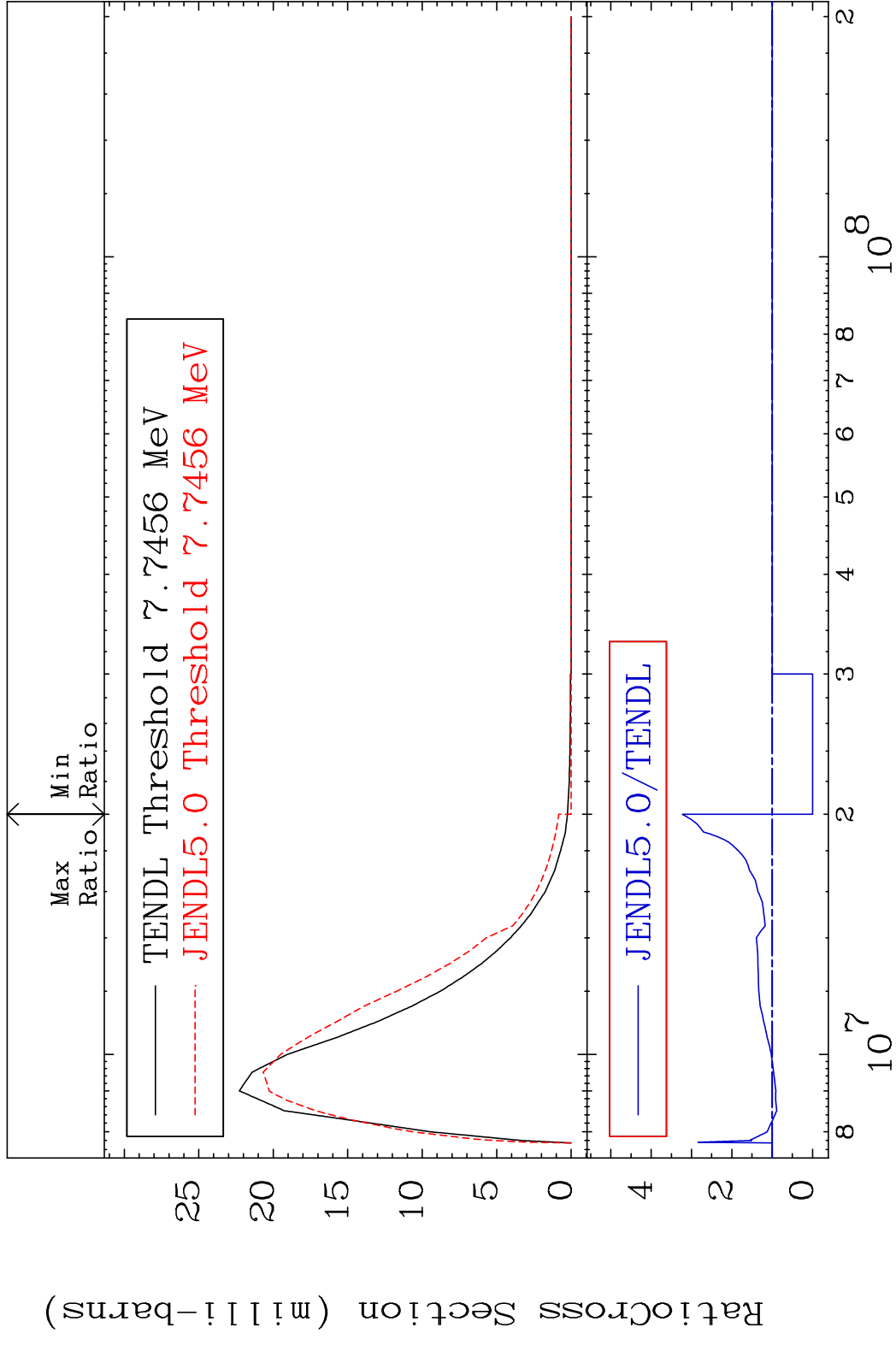
30 Incident Energy (eV) 10-Ne-22

MAT 1031 MT= 71 (n,n') Level 10-Ne-22  
 Cross Section -100.0 To 360.4 %

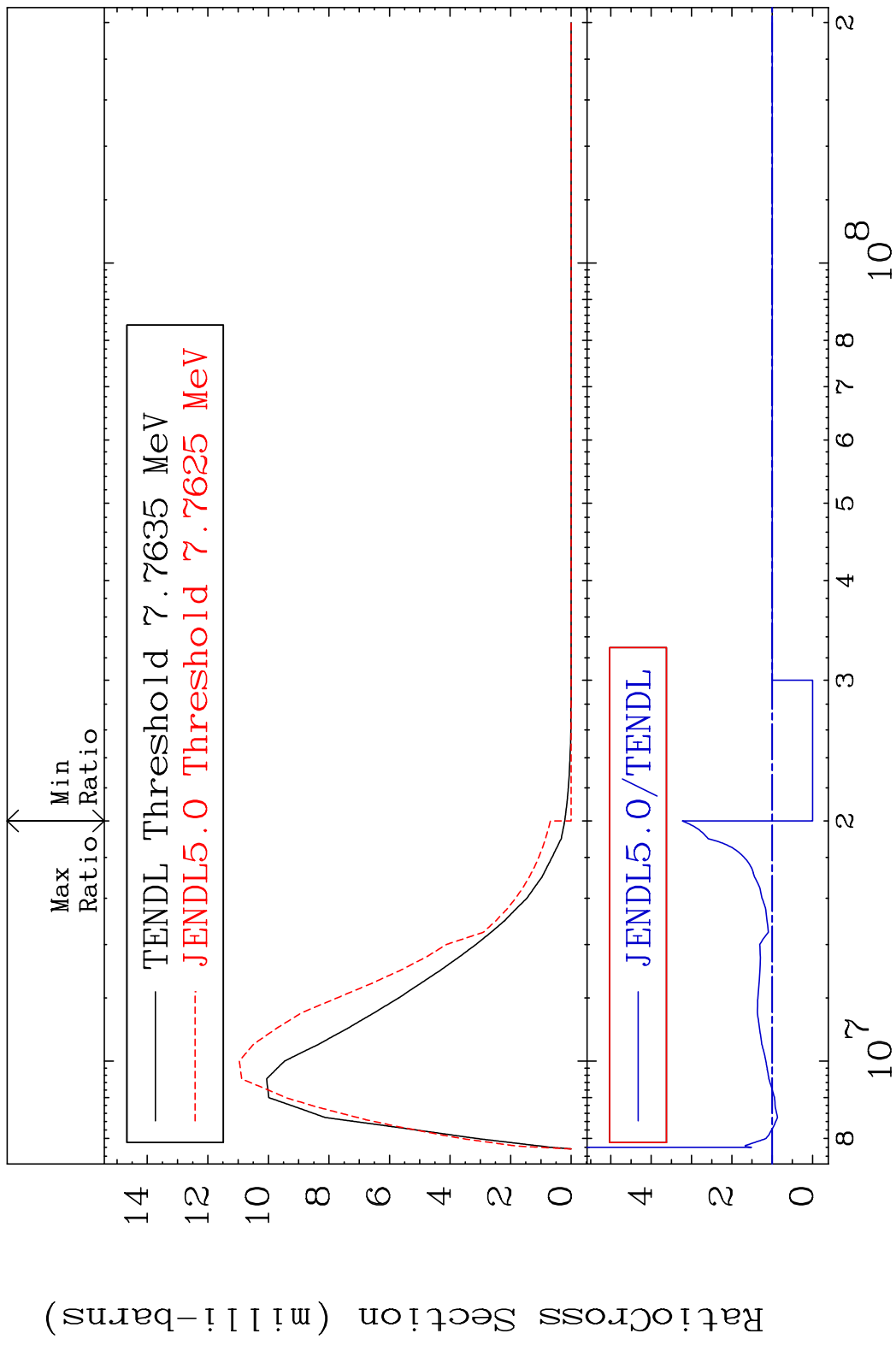




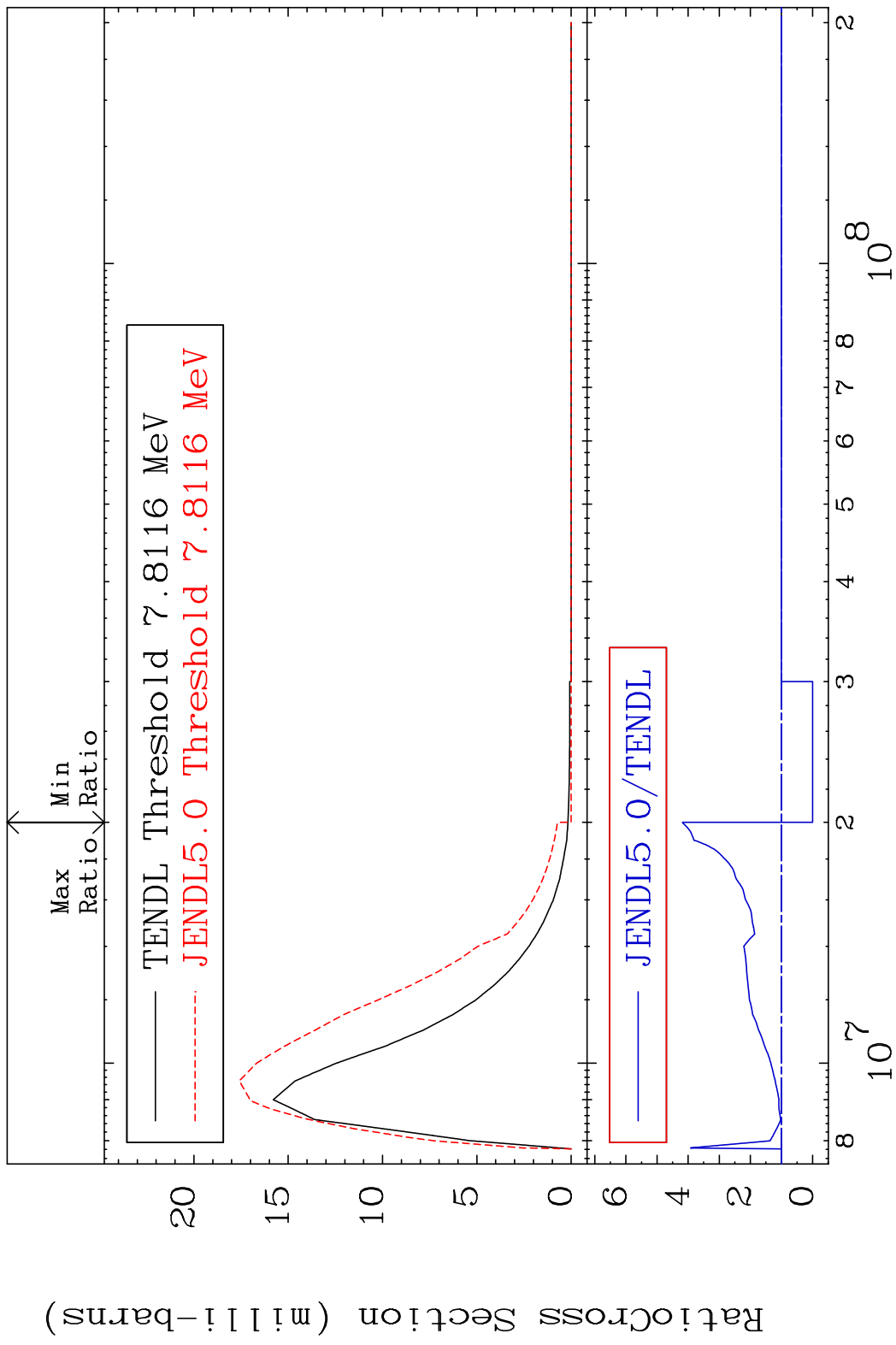
MAT 1031 MT= 72 (n, n') Level 10-Ne-22  
 Cross Section -100.0 To 222.7 %



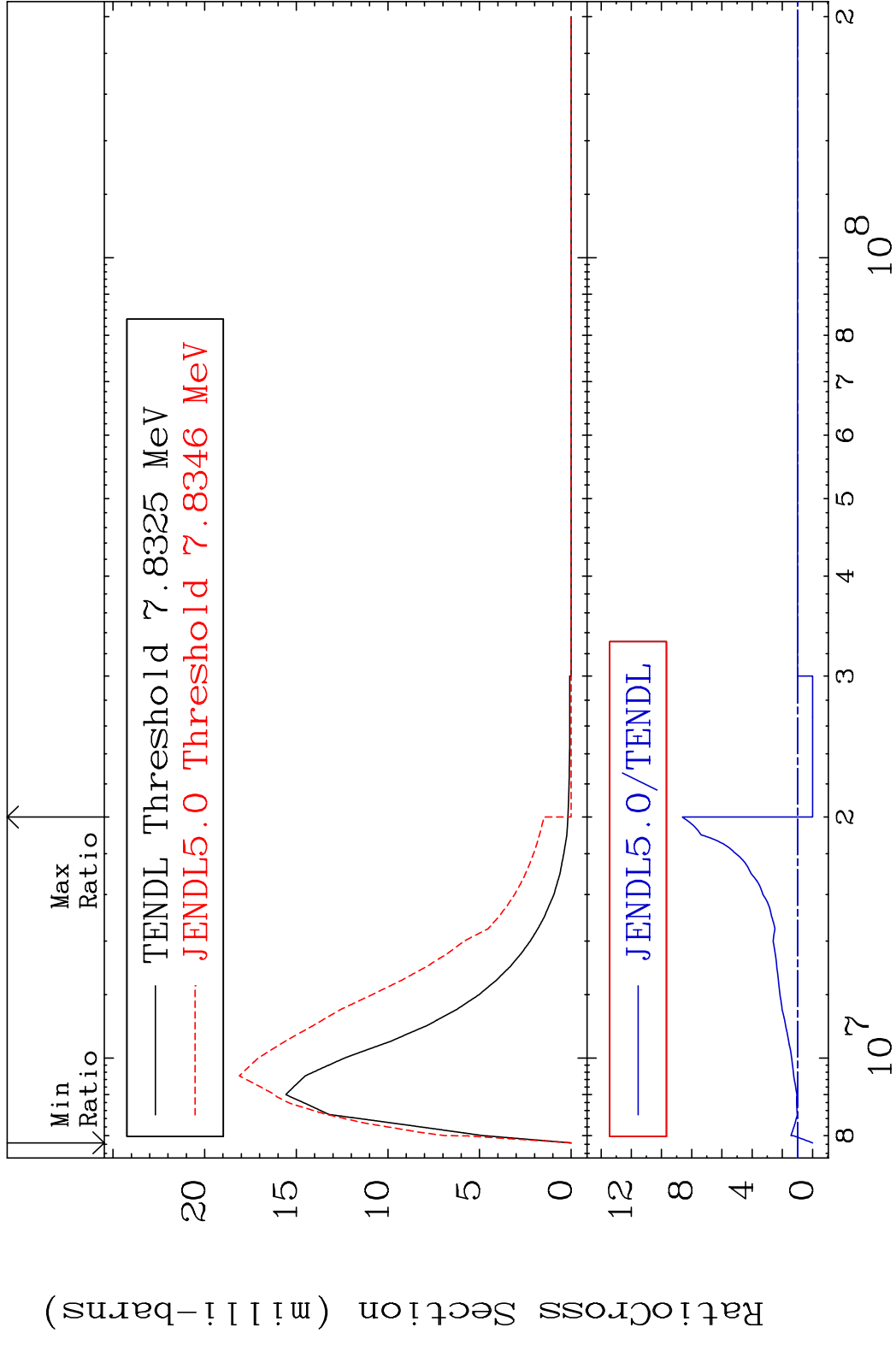
MAT 1031 MT= 73 (n, n') Level 10-Ne-22  
 Cross Section -100.0 To 222.8 %



MAT 1031 MT= 74 (n, n') Level 10-Ne-22  
 Cross Section -100.0 To 318.5 %

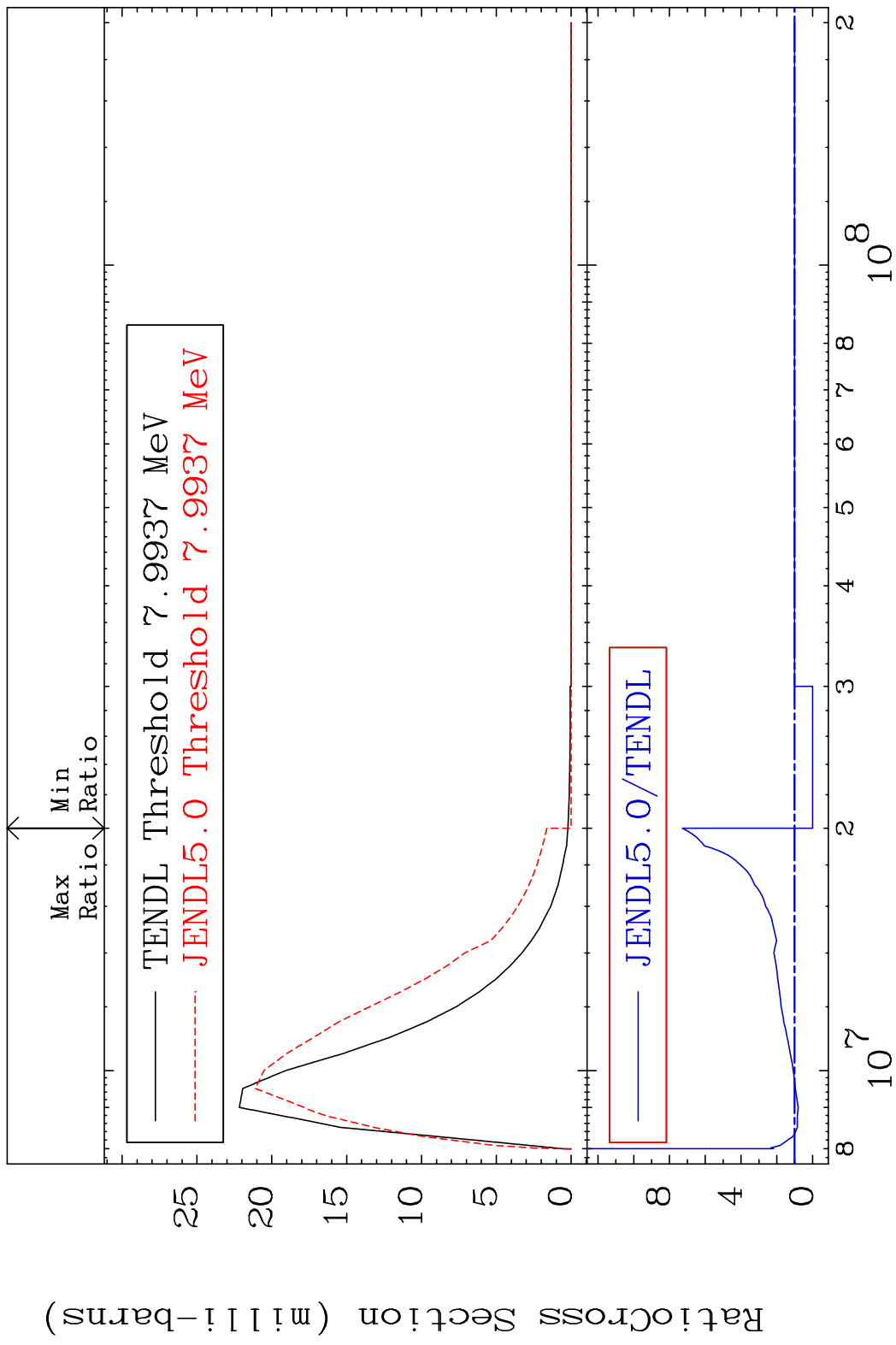


MAT 1031 MT= 75 (n,n') Level 10-Ne-22  
 Cross Section -100.0 To 762.0 %

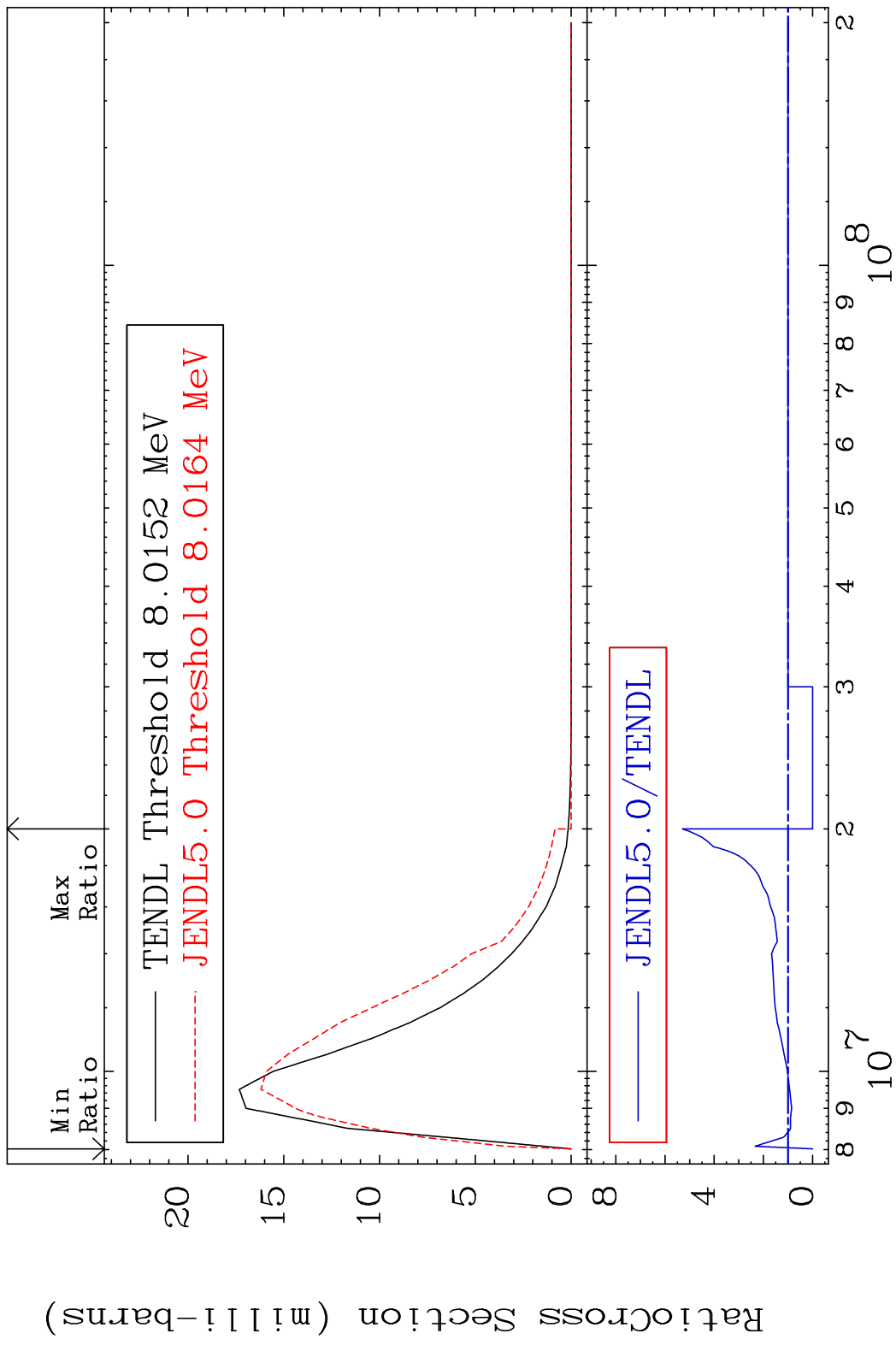


35 Incident Energy (eV) 10-Ne-22

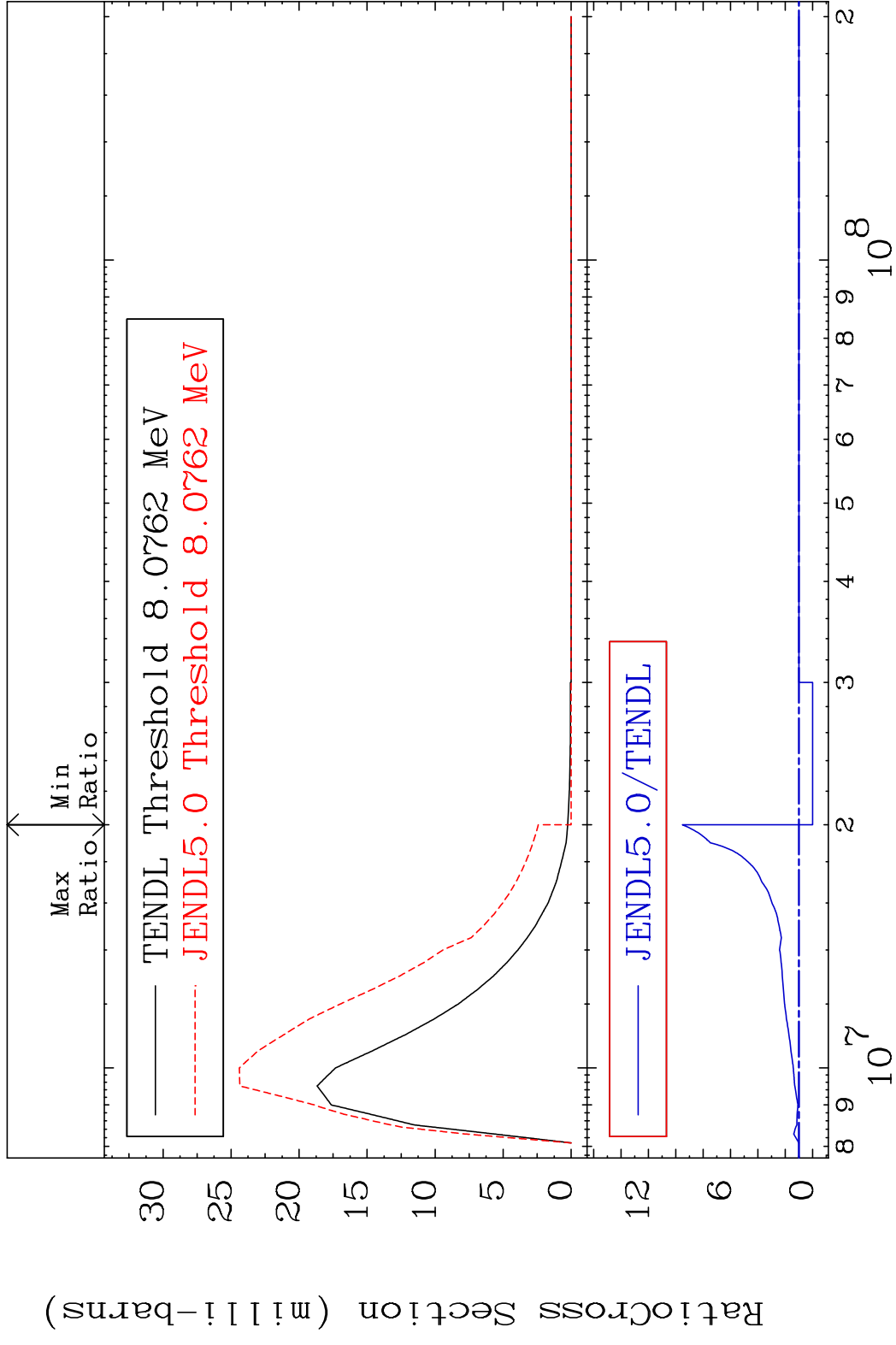
MAT 1031 MT= 76 (n,n') Level 10-Ne-22  
 Cross Section -100.0 To 628.0 %



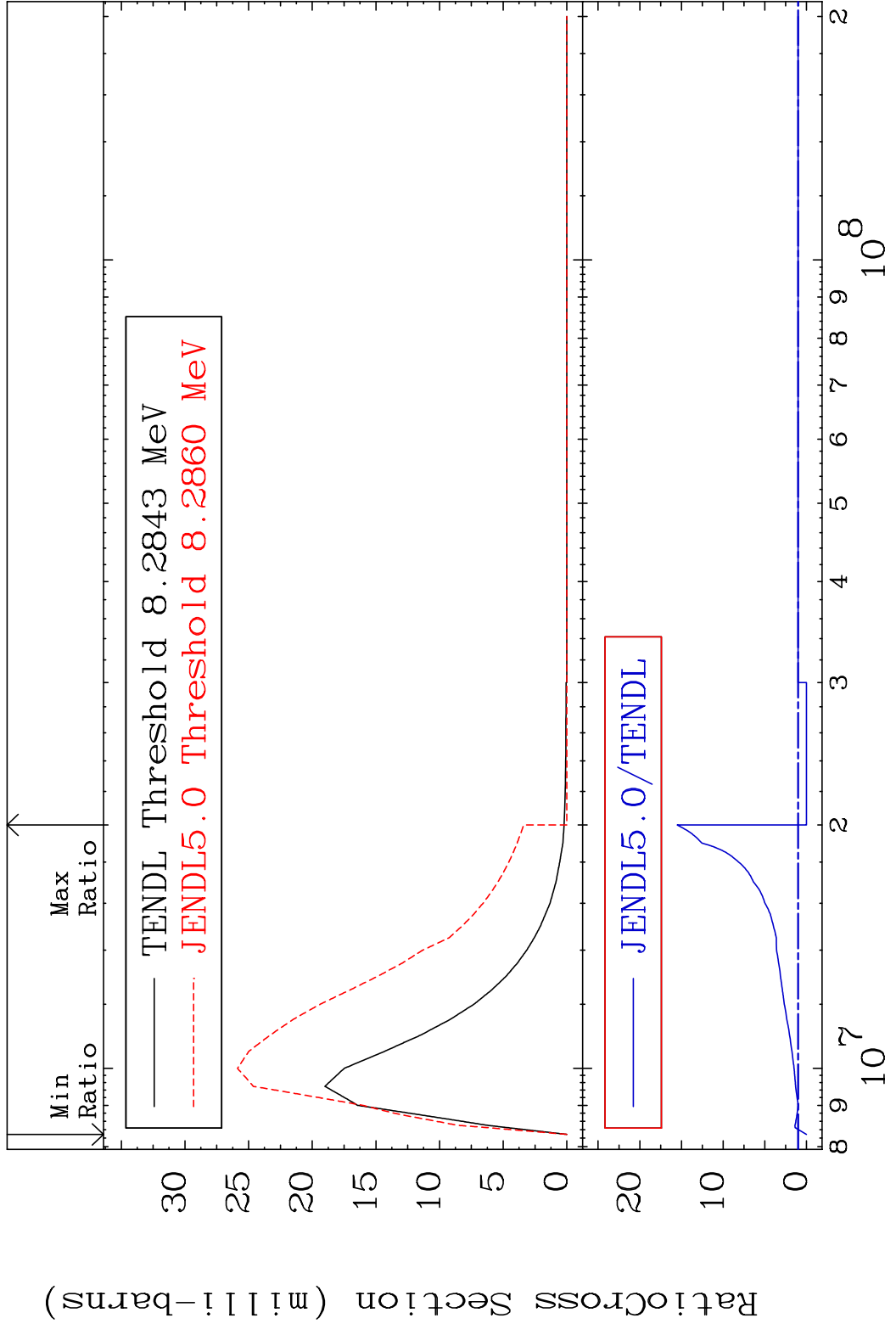
MAT 1031 MT= 77 (n, n') Level 10-Ne-22  
 Cross Section -100.0 To 429.5 %



MAT 1031 MT= 78 (n,n') Level 10-Ne-22  
 Cross Section -100.0 To 852.0 %



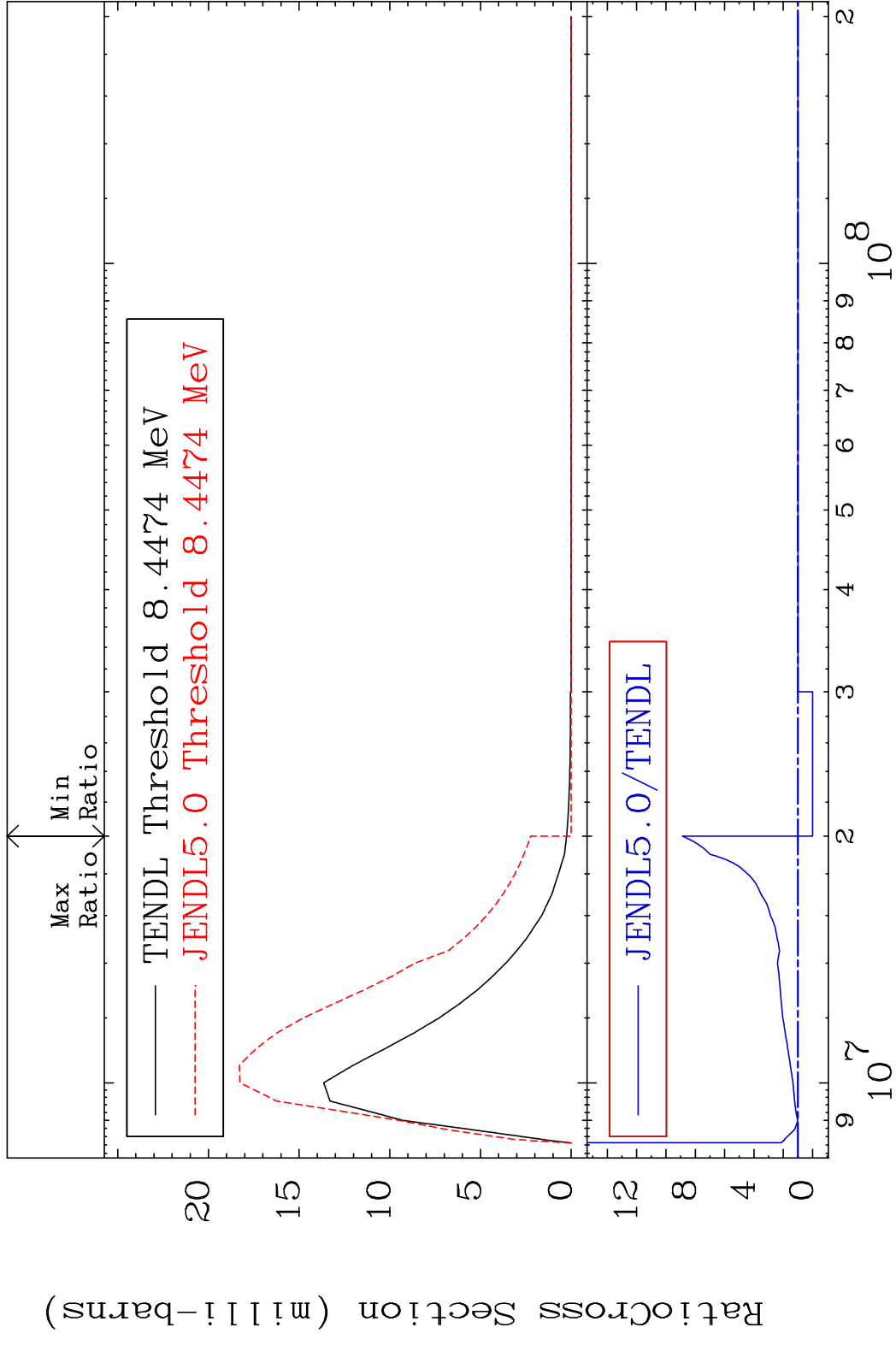
MAT 1031 MT= 79 (n,n') Level 10-Ne-22  
 Cross Section -100.0 To 1451. %



39 10-Ne-22

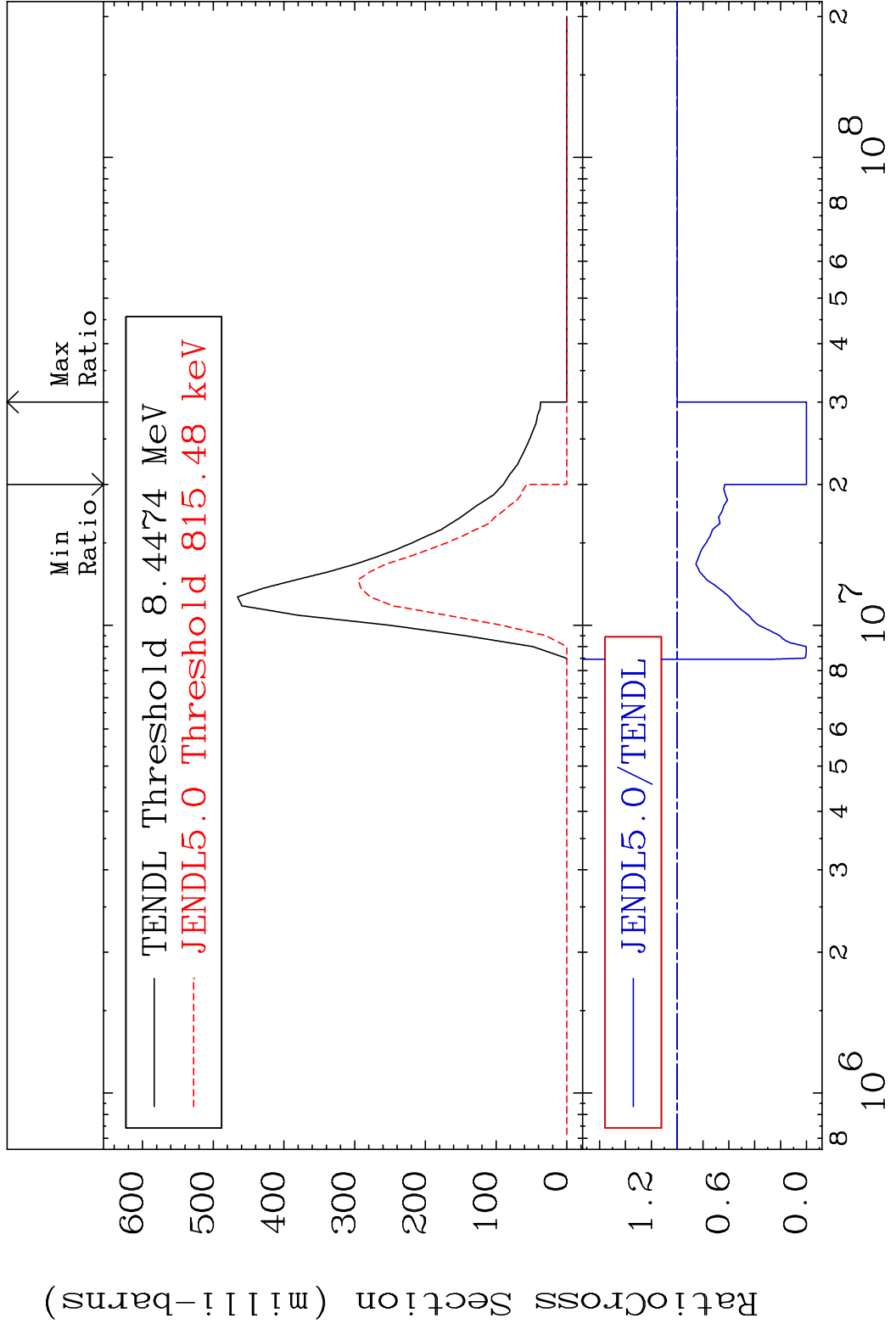


MAT 1031 MT= 80 (n, n') Level 10-Ne-22  
 Cross Section -100.0 To 788.2 %



40 10 9 8 7 6 5 4 3 2 10 8 2 10-Ne-22

MAT 1031 (n,n') Continuum 10-Ne-22  
 Cross Section -100.0 To 0.000 %

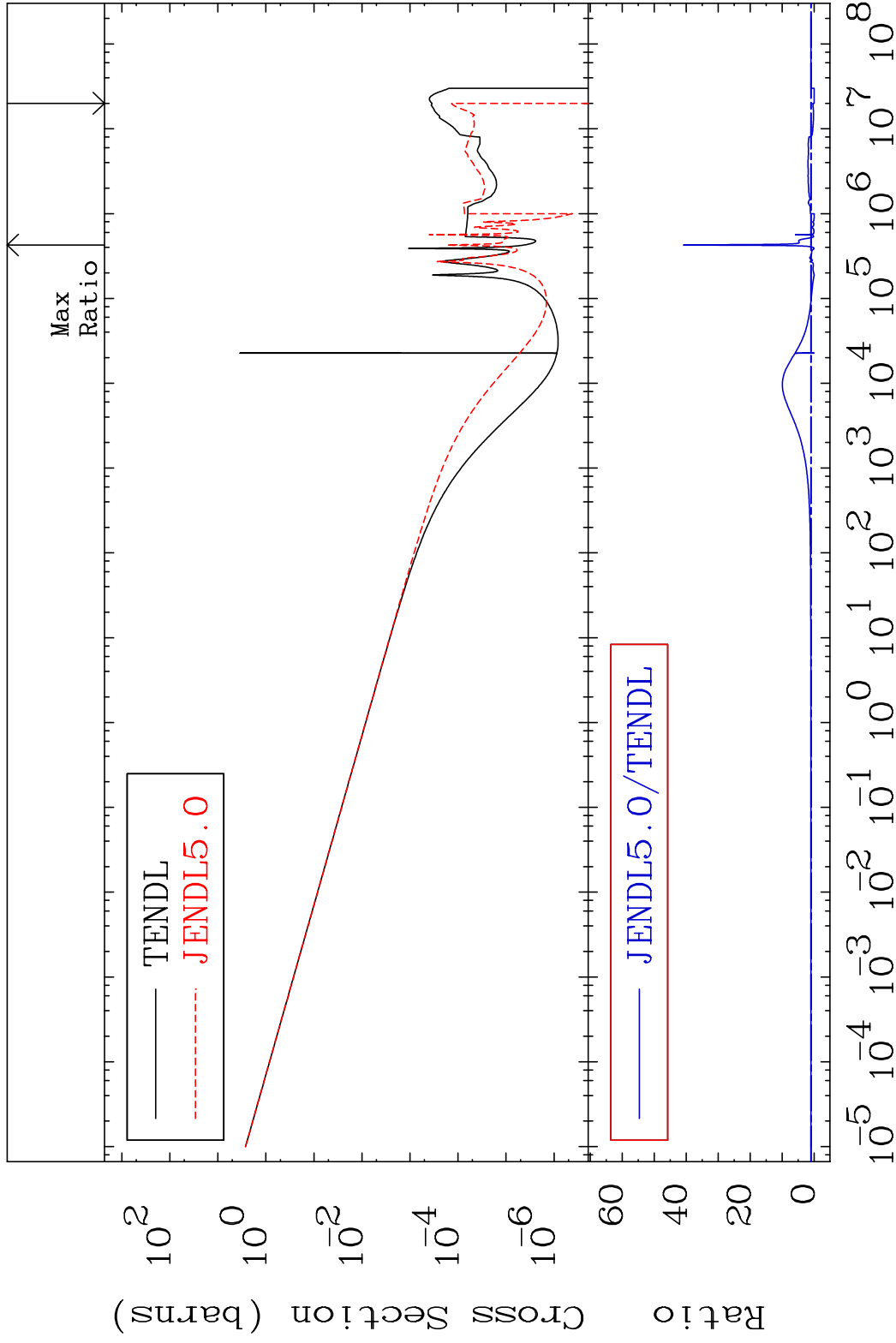


MAT 1031

(n,  $\gamma$ )

10-Ne-22

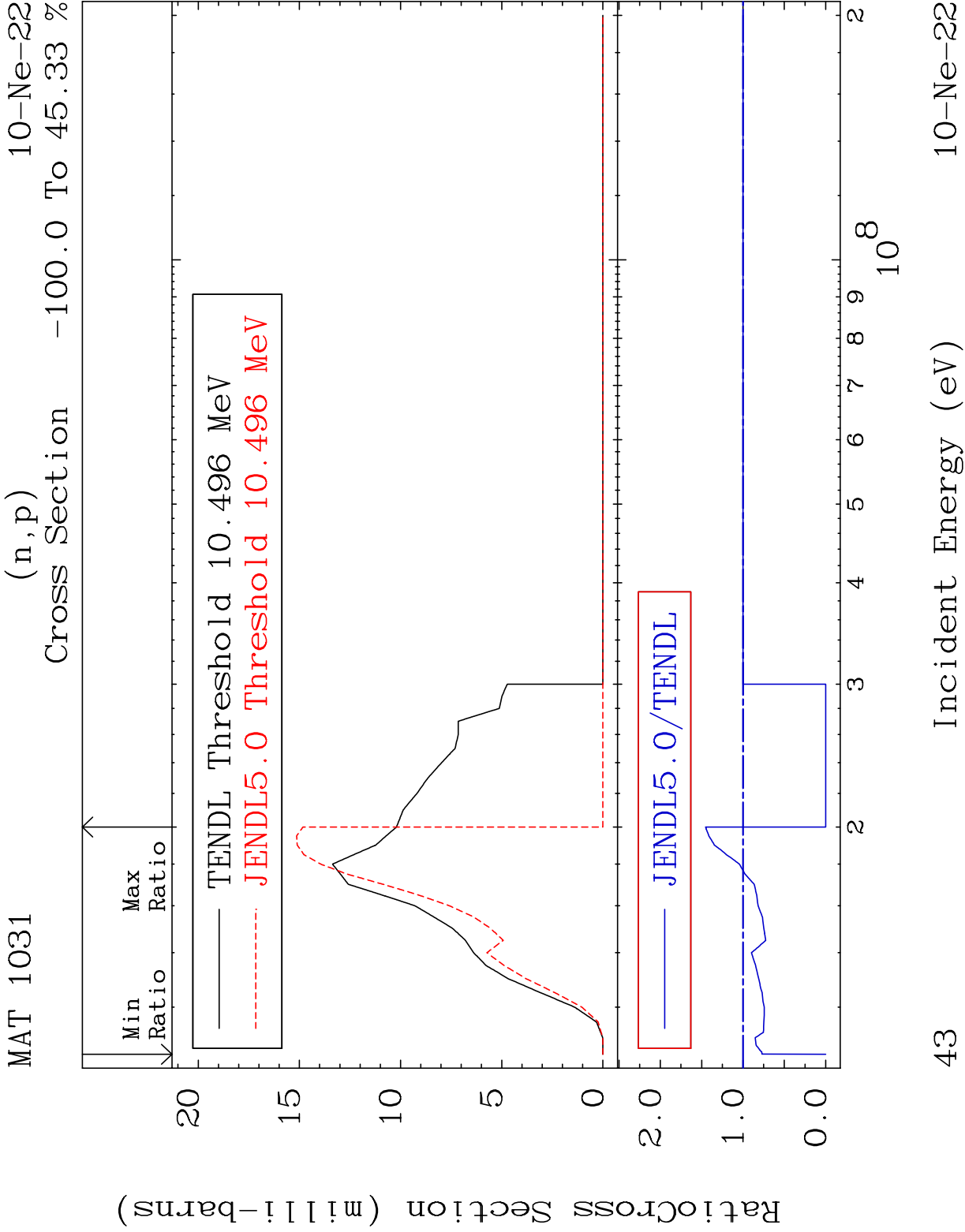
Cross Section -100.0 To 3978. %



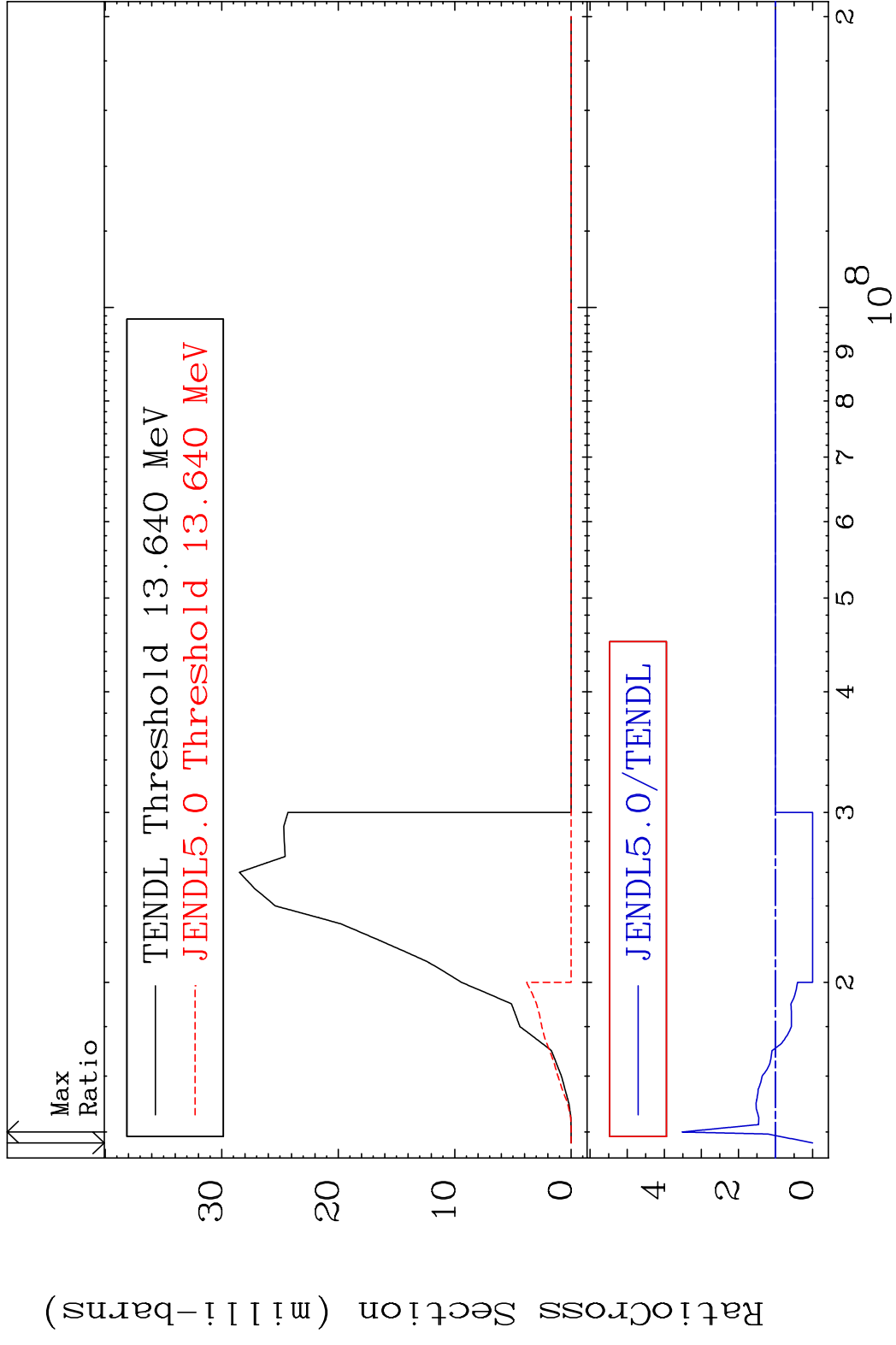
42

Incident Energy (eV)

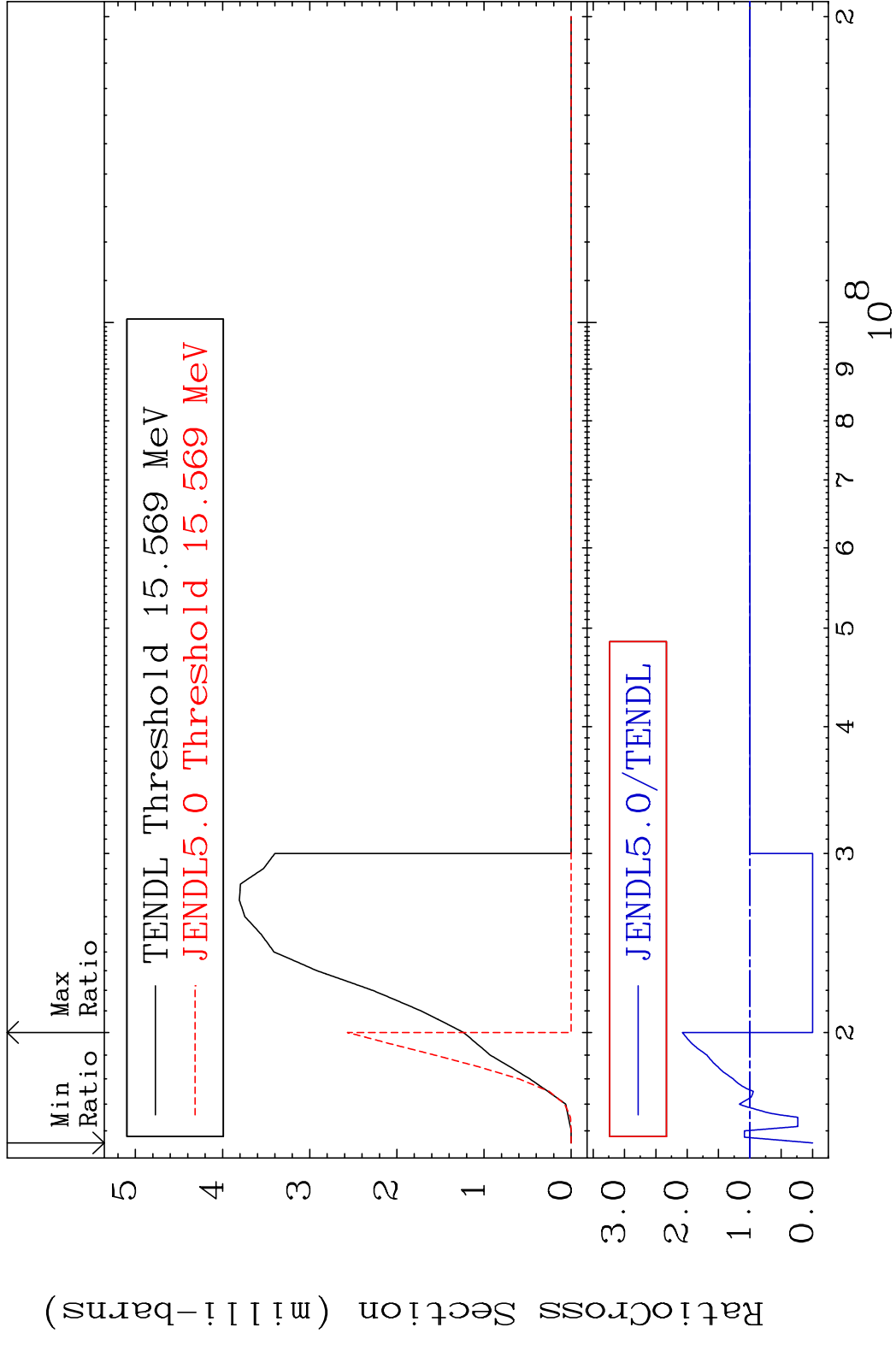
10-Ne-22



MAT 1031 (n,d) 10-Ne-22  
 Cross Section -100.0 To 251.2 %



MAT 1031 (n, t) 10-Ne-22  
 Cross Section -100.0 To 107.7 %

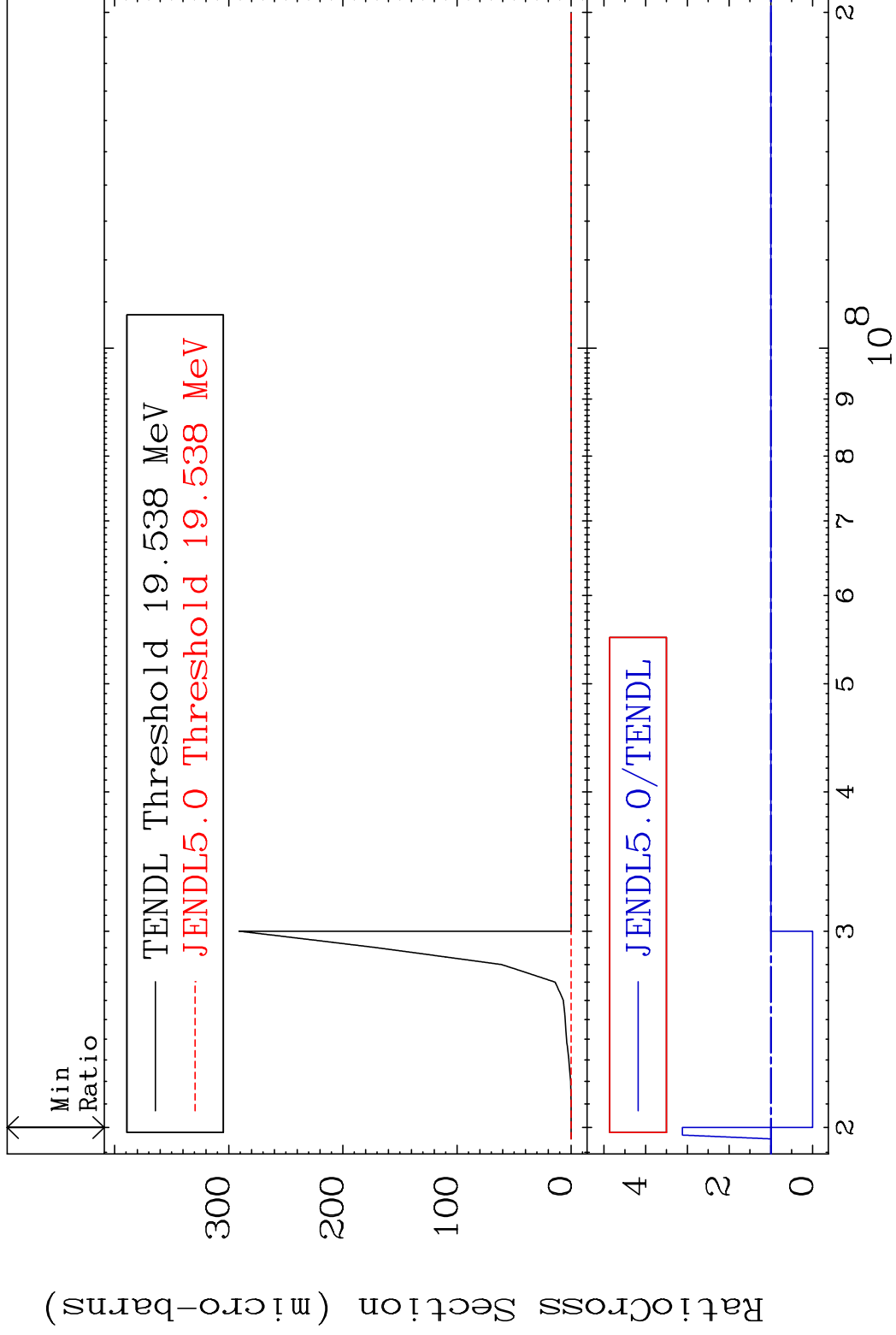


MAT 1031

(n, He-3)

10-Ne-22

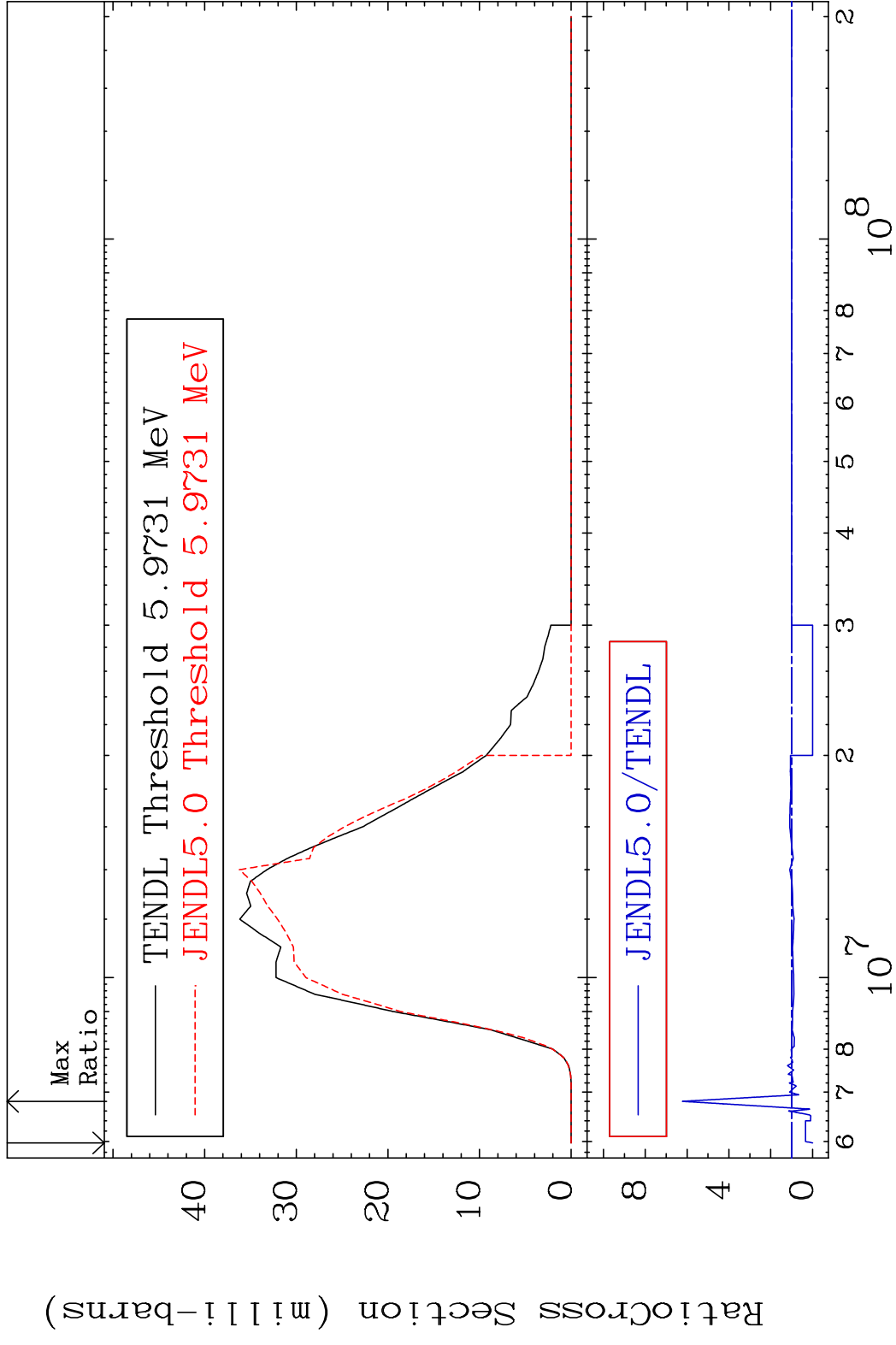
Cross Section -100.0 To 212.1 %



46

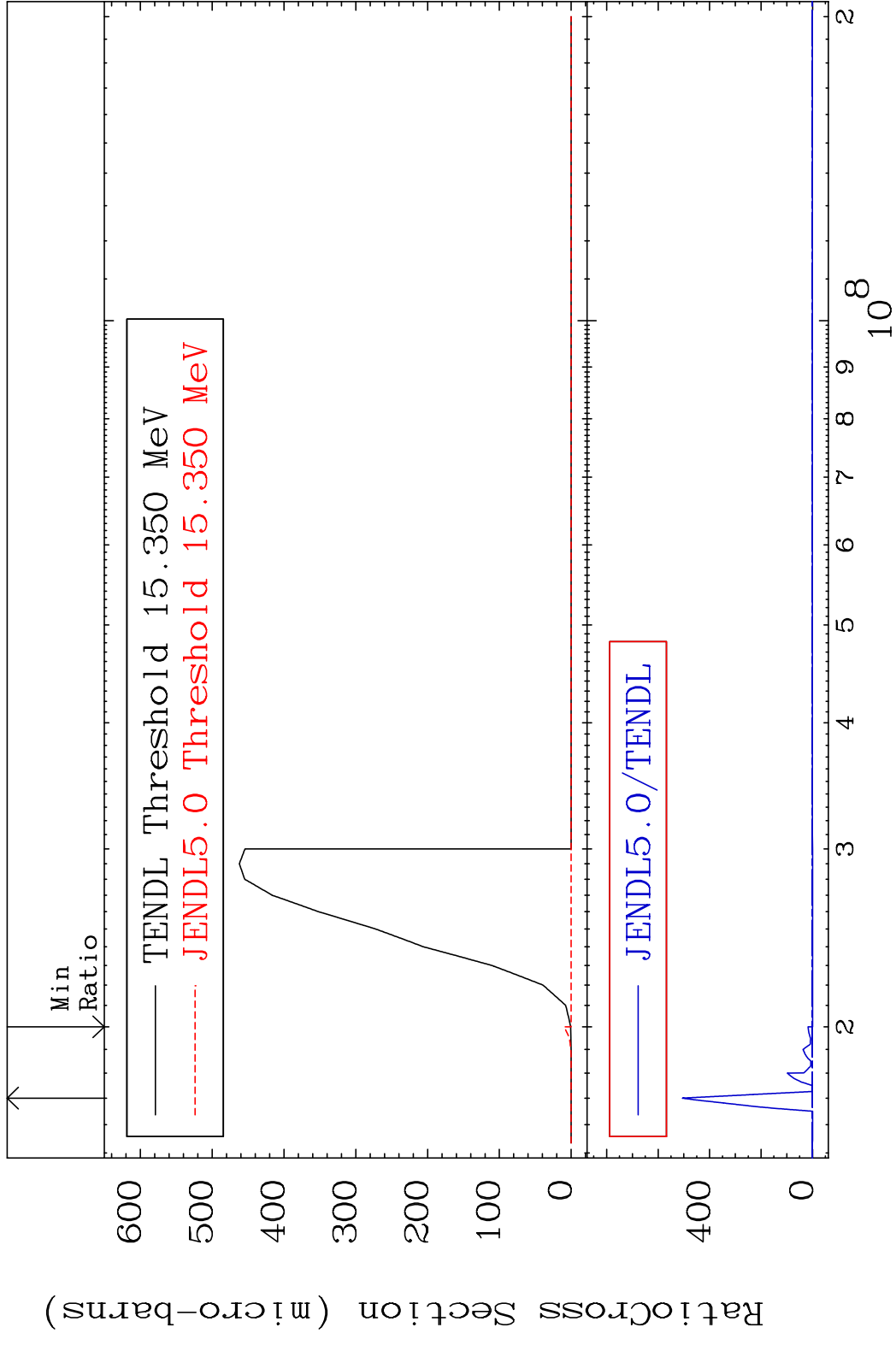
10-Ne-22

MAT 1031 (n,  $\alpha$ ) 10-Ne-22  
 Cross Section -100.0 To 522.9 %



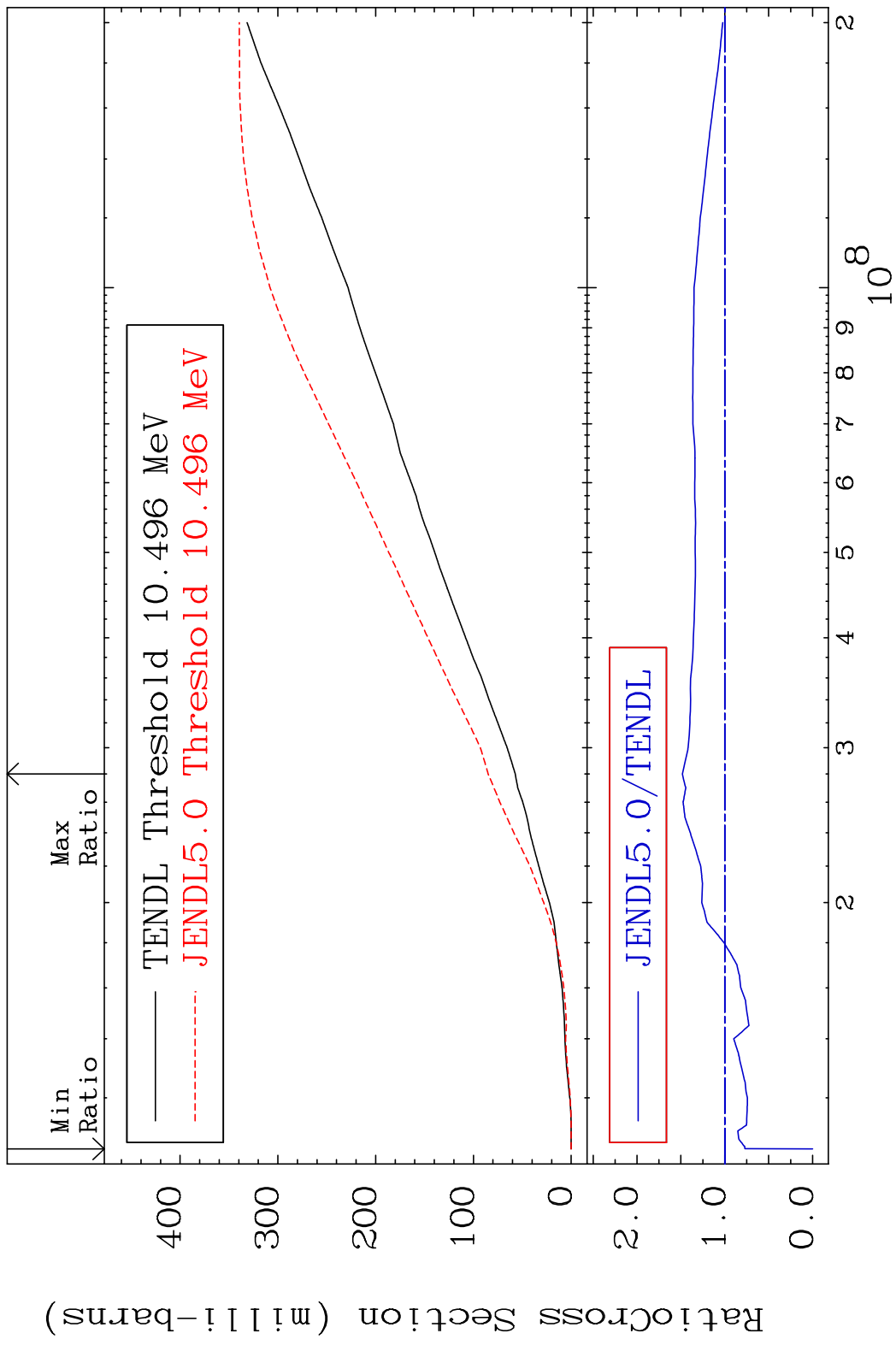


MAT 1031 (n,2α) 10-Ne-22  
 Cross Section -100.0 To 9999. %

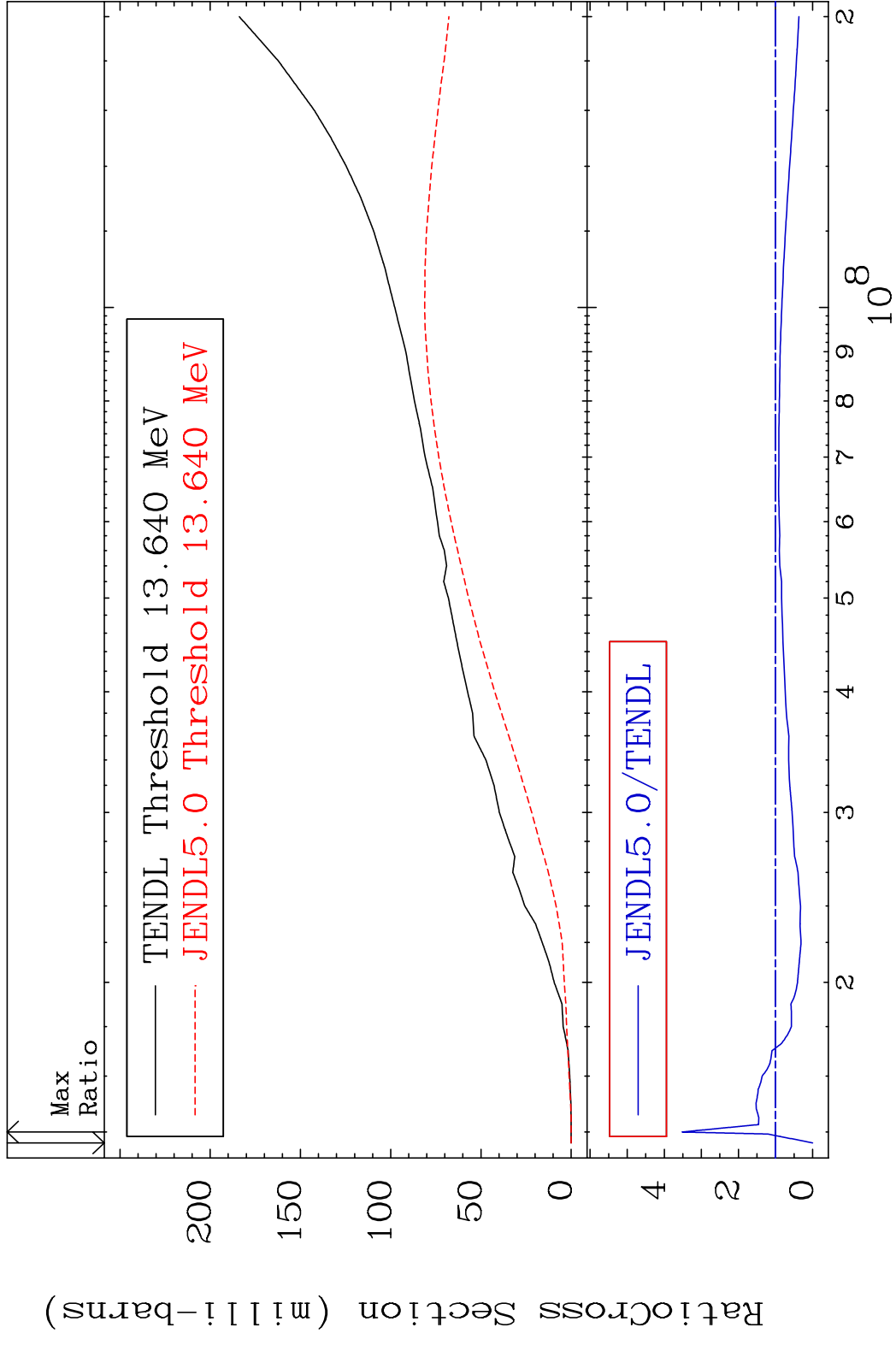


48 Incident Energy (eV) 10-Ne-22

MAT 1031 Hydrogen Production 10-Ne-22  
 Cross Section -100.0 To 48.34 %

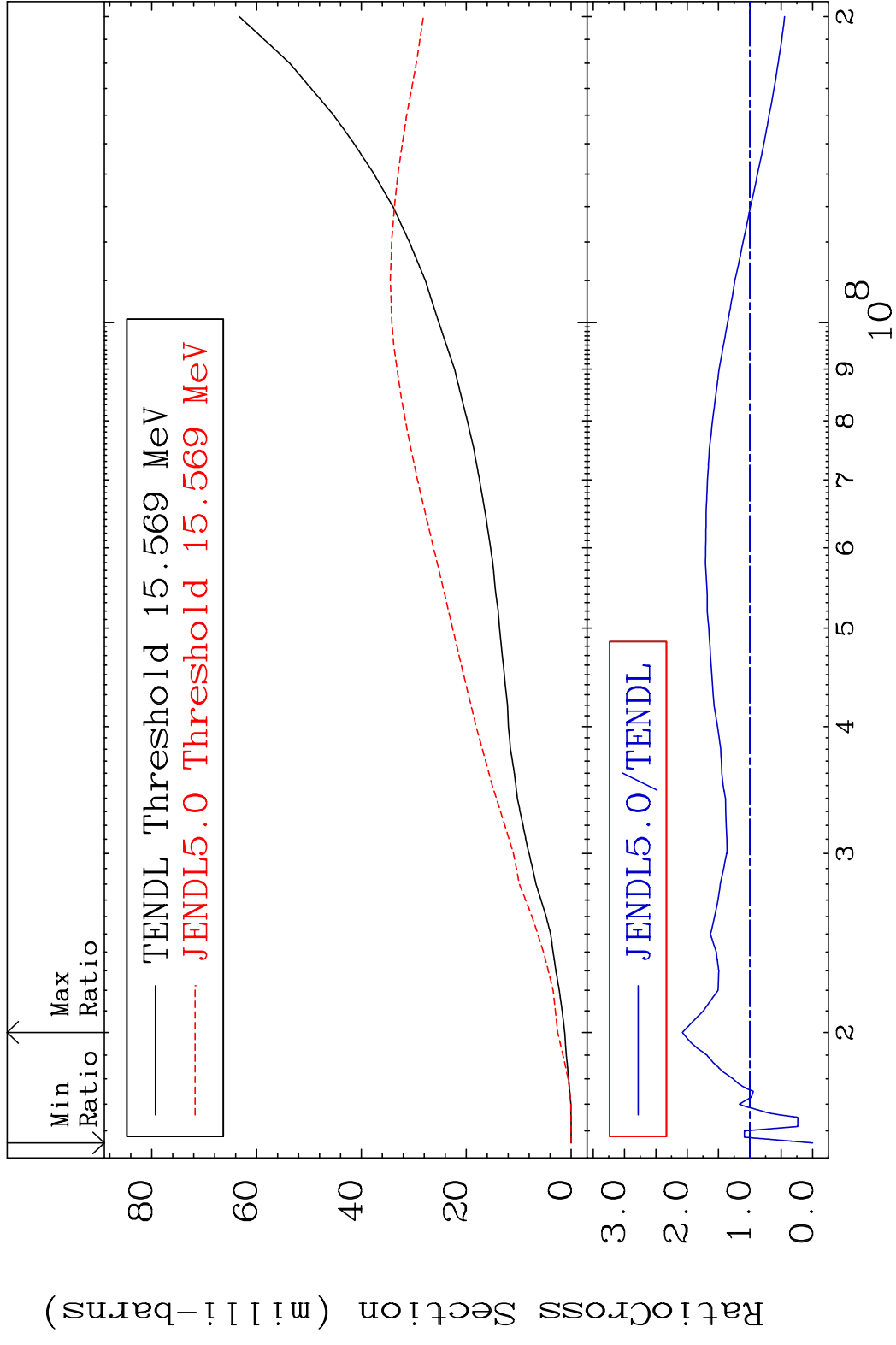


MAT 1031 Deuterium Production 10-Ne-22  
 Cross Section -100.0 To 251.2 %



50 10-Ne-22

MAT 1031 Tritium Production 10-Ne-22  
 Cross Section -100.0 To 107.7 %

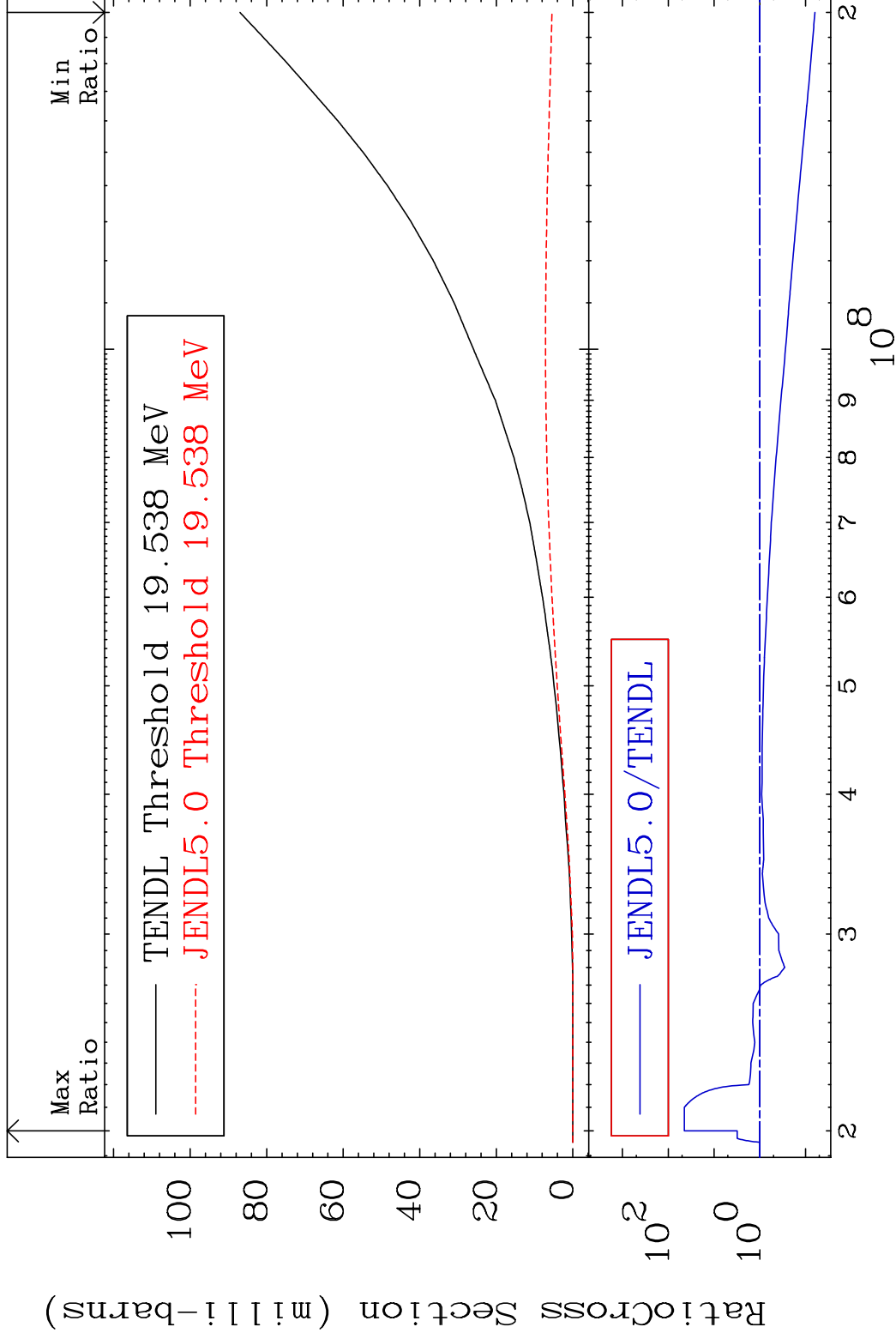


MAT 1031

He-3 Production

10-Ne-22

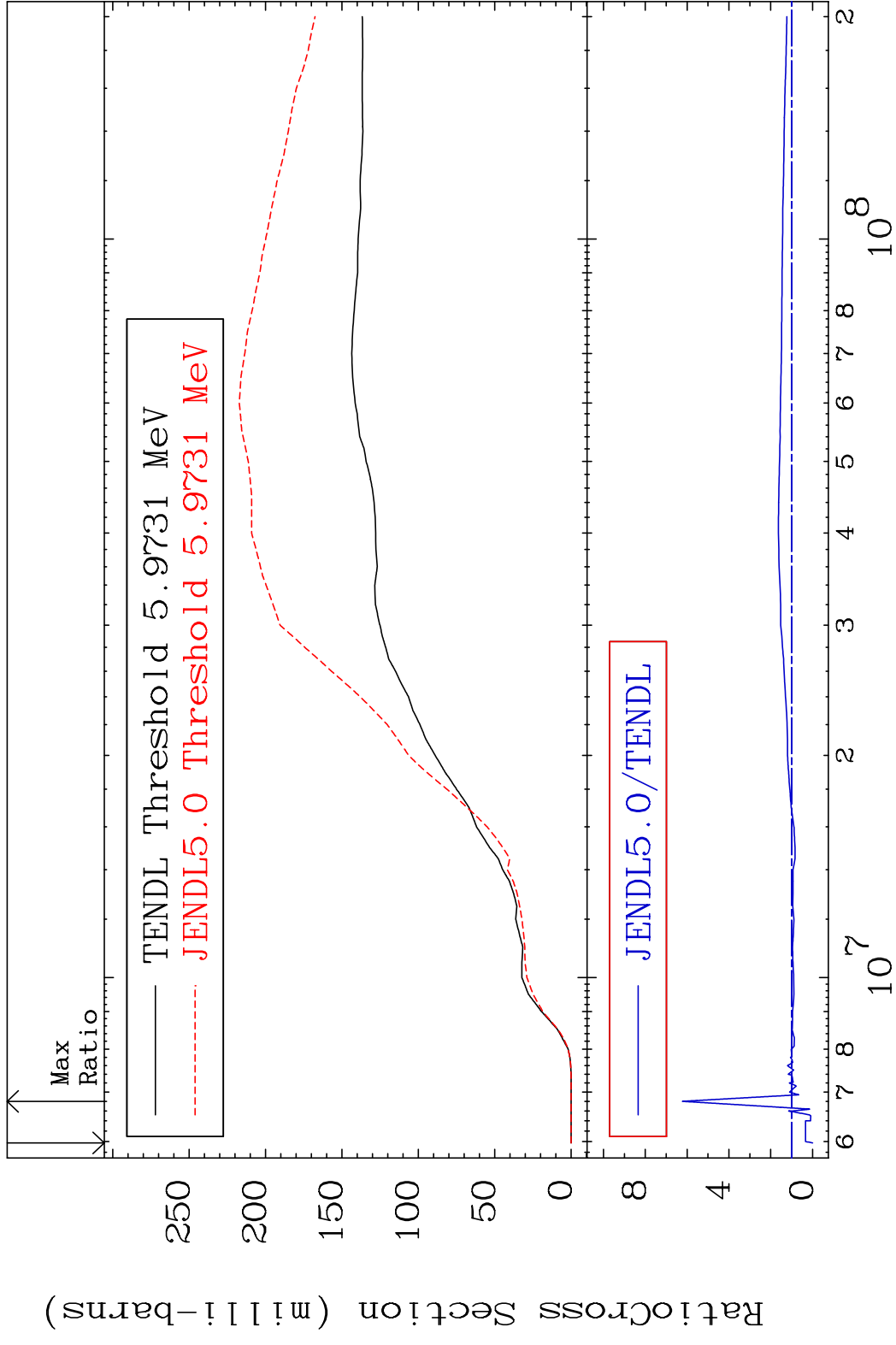
Cross Section -93.73 To 4357. %



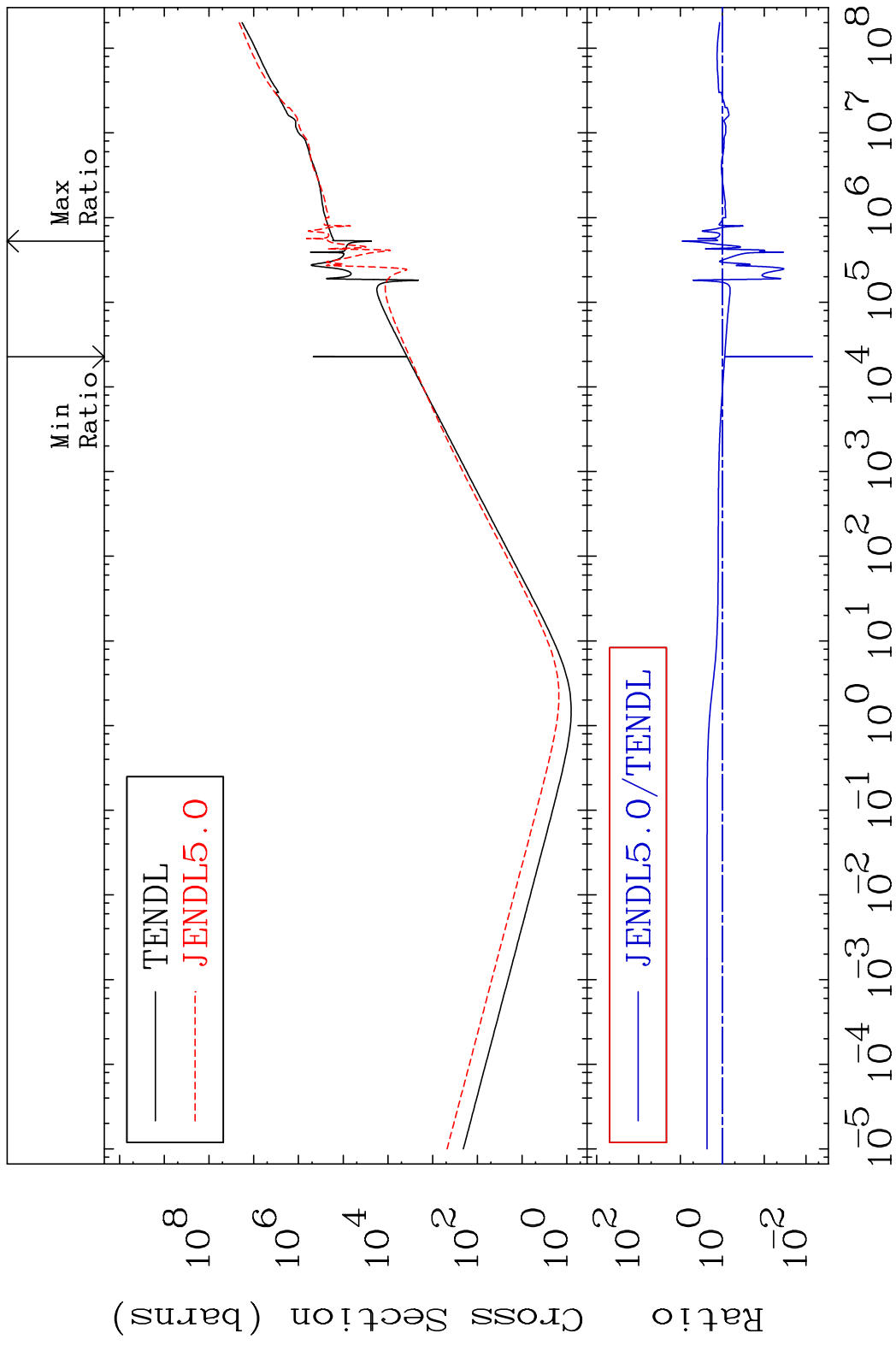
52

Incident Energy (eV) 10-Ne-22

MAT 1031 He-4 Production 10-Ne-22  
 Cross Section -100.0 To 522.9 %



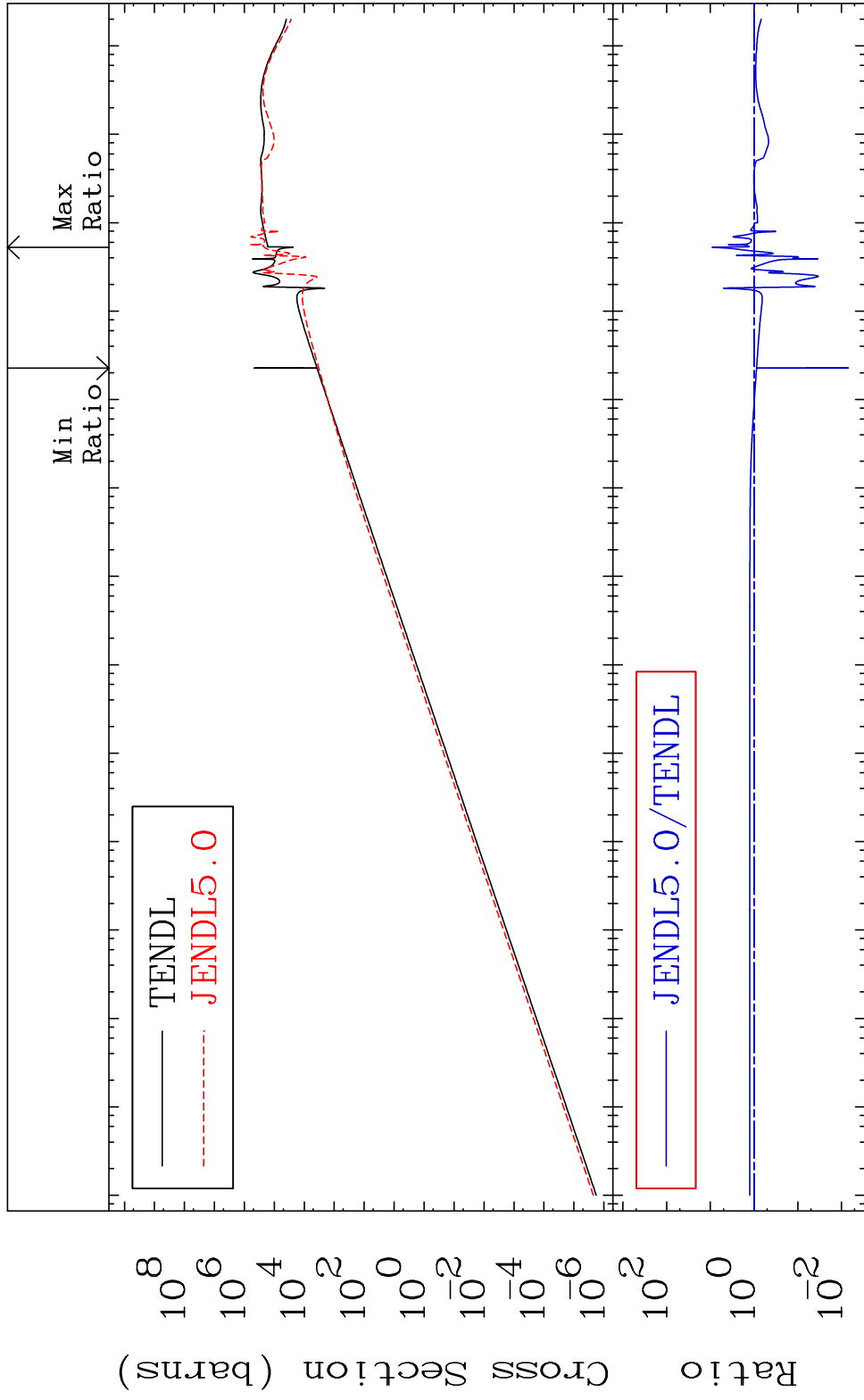
MAT 1031 Kerma total (eV-barns) 10-Ne-22  
 Cross Section -99.30 To 800.4 %



MAT 1031

Kerma elastic  
Cross Section

10-Ne-22  
-99.30 To 800.4 %



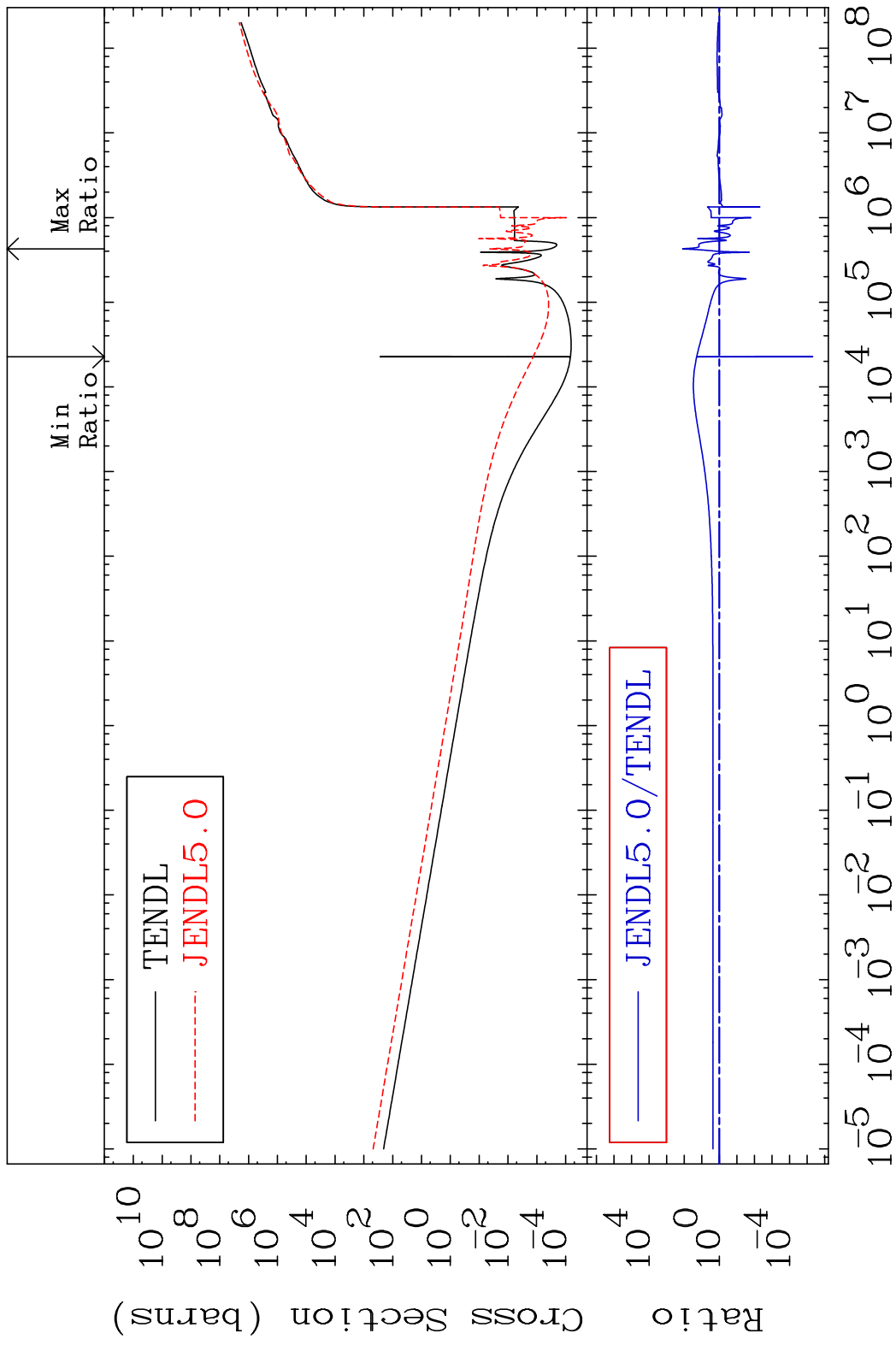
55

Incident Energy (eV)

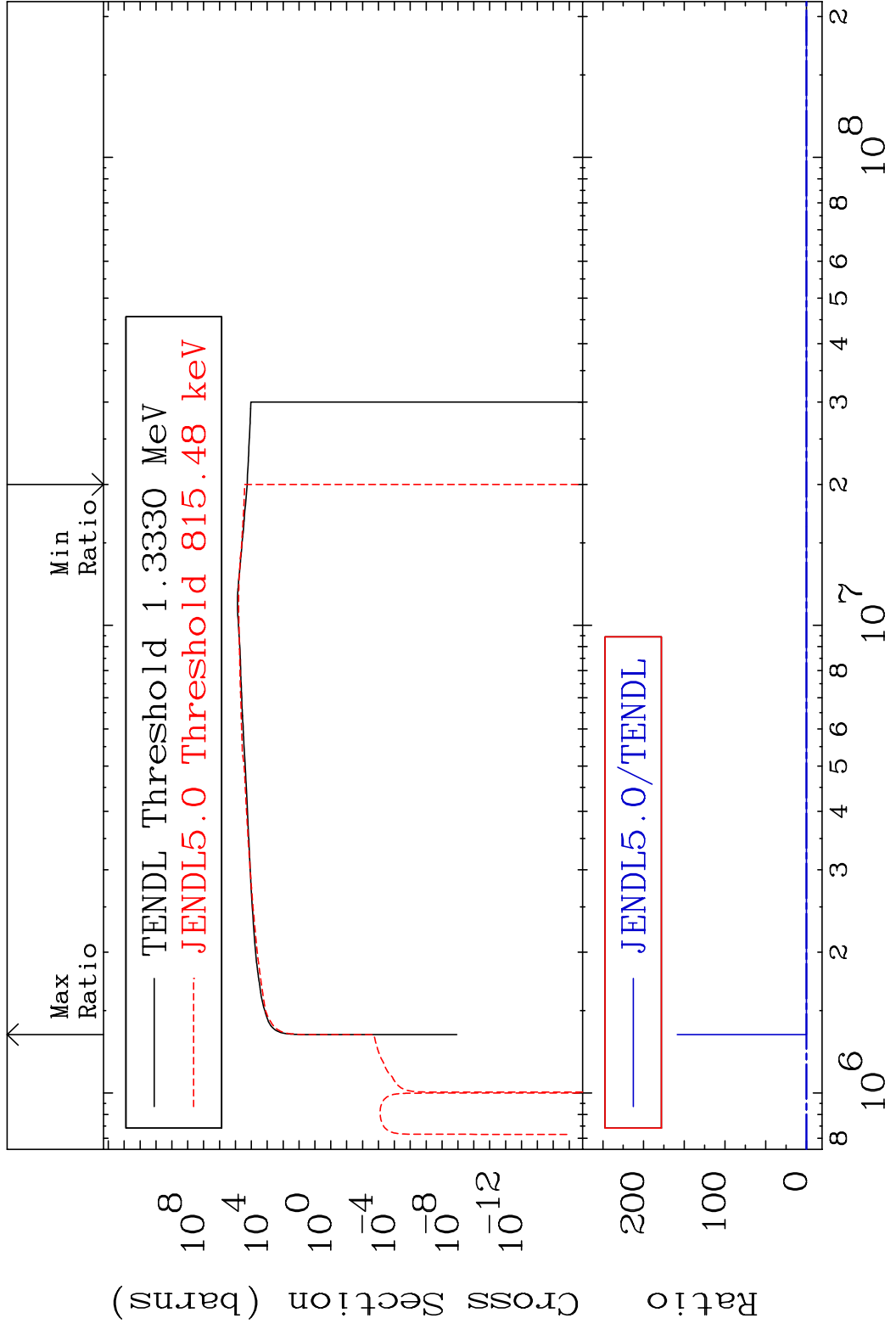
10-Ne-22



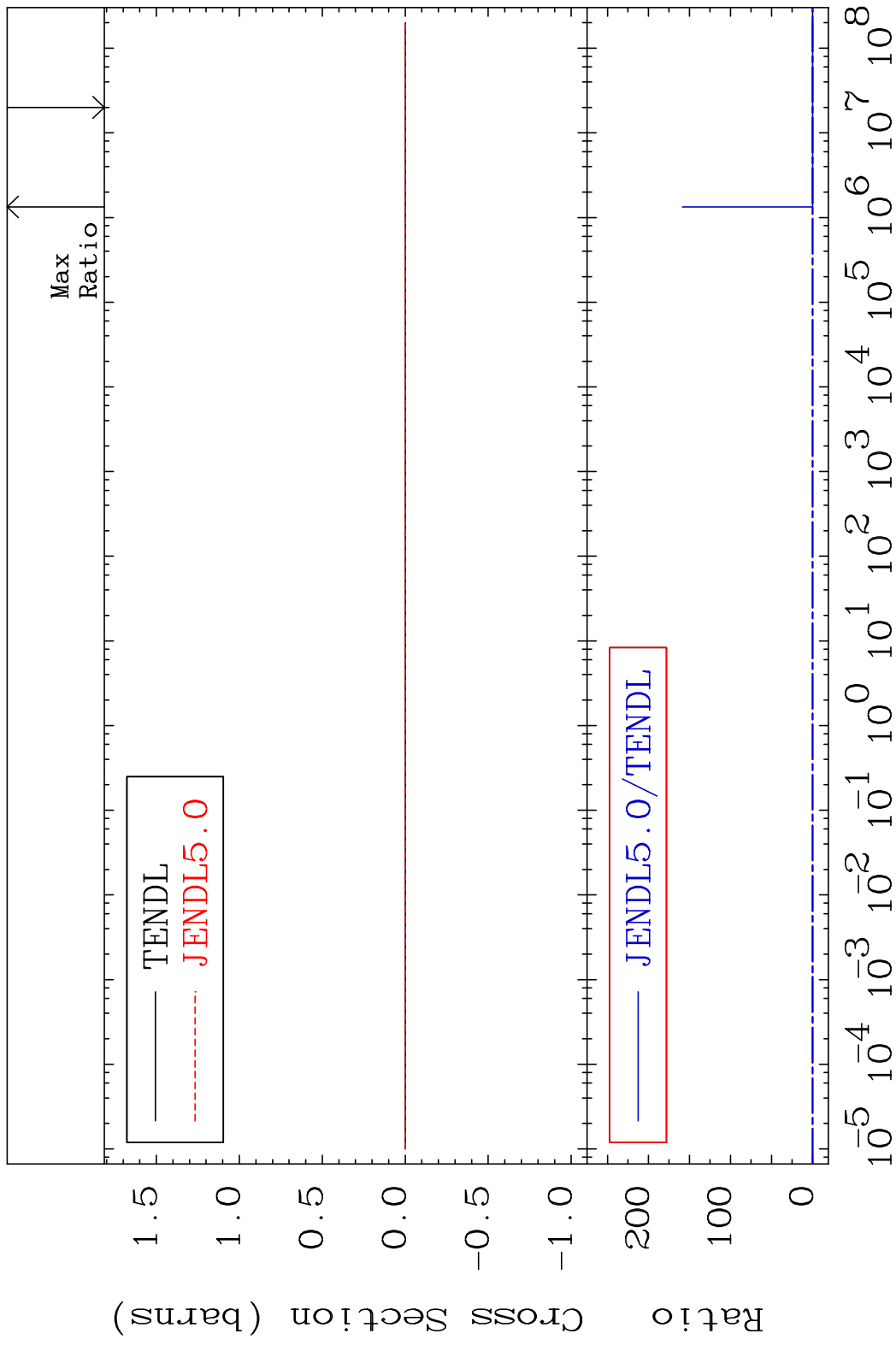
MAT 1031 Kerma non-elastic (all but mt2) 10-Ne-22  
 Cross Section -100.0 To 9999. %



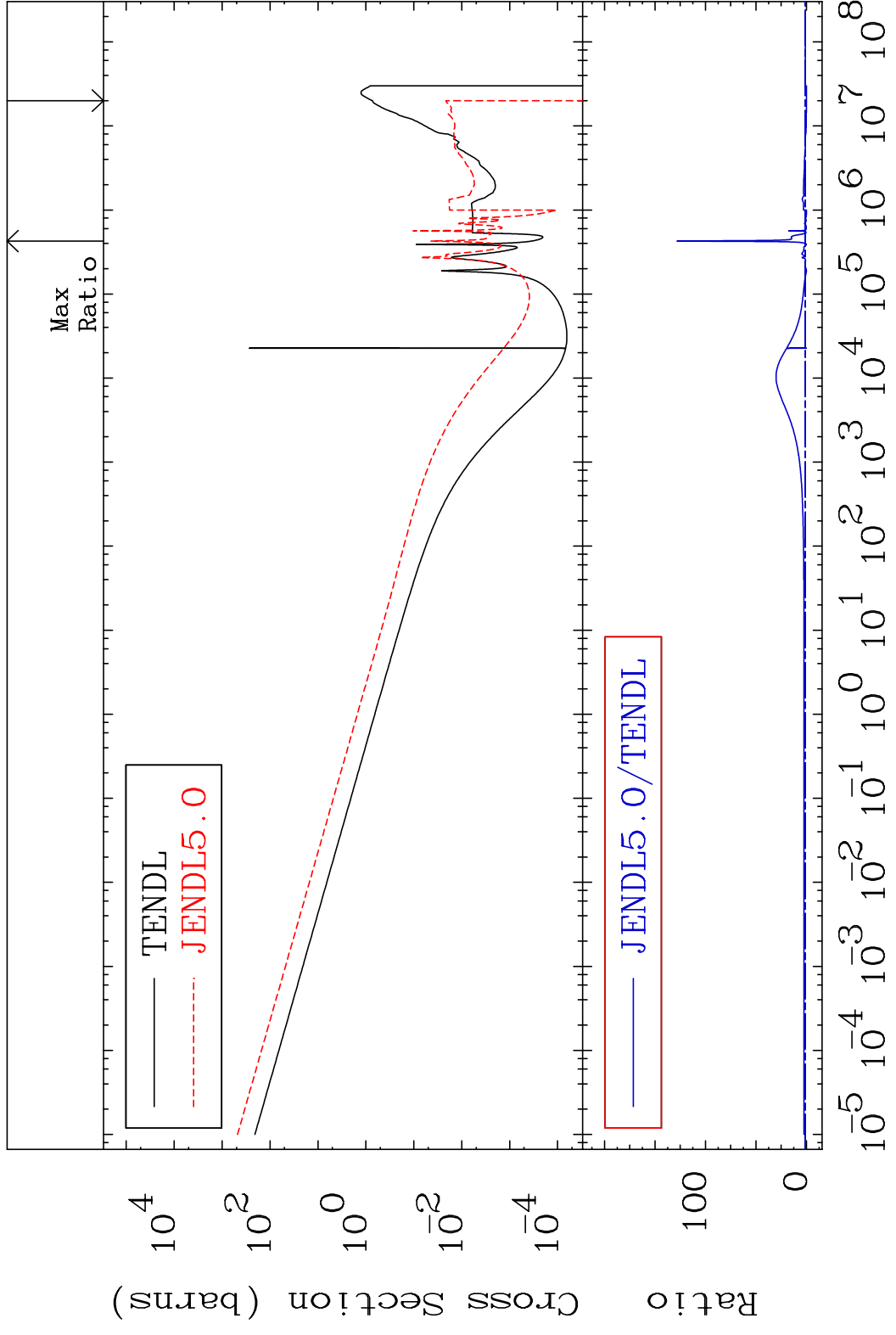
MAT 1031 Kerma inelastic (mt51-91) 10-Ne-22  
 Cross Section -100.0 To 9999. %



MAT 1031 Kerma fission (mt18 or mt19-20-21-38) 10-Ne-22  
 Cross Section -100.0 To 9999. %

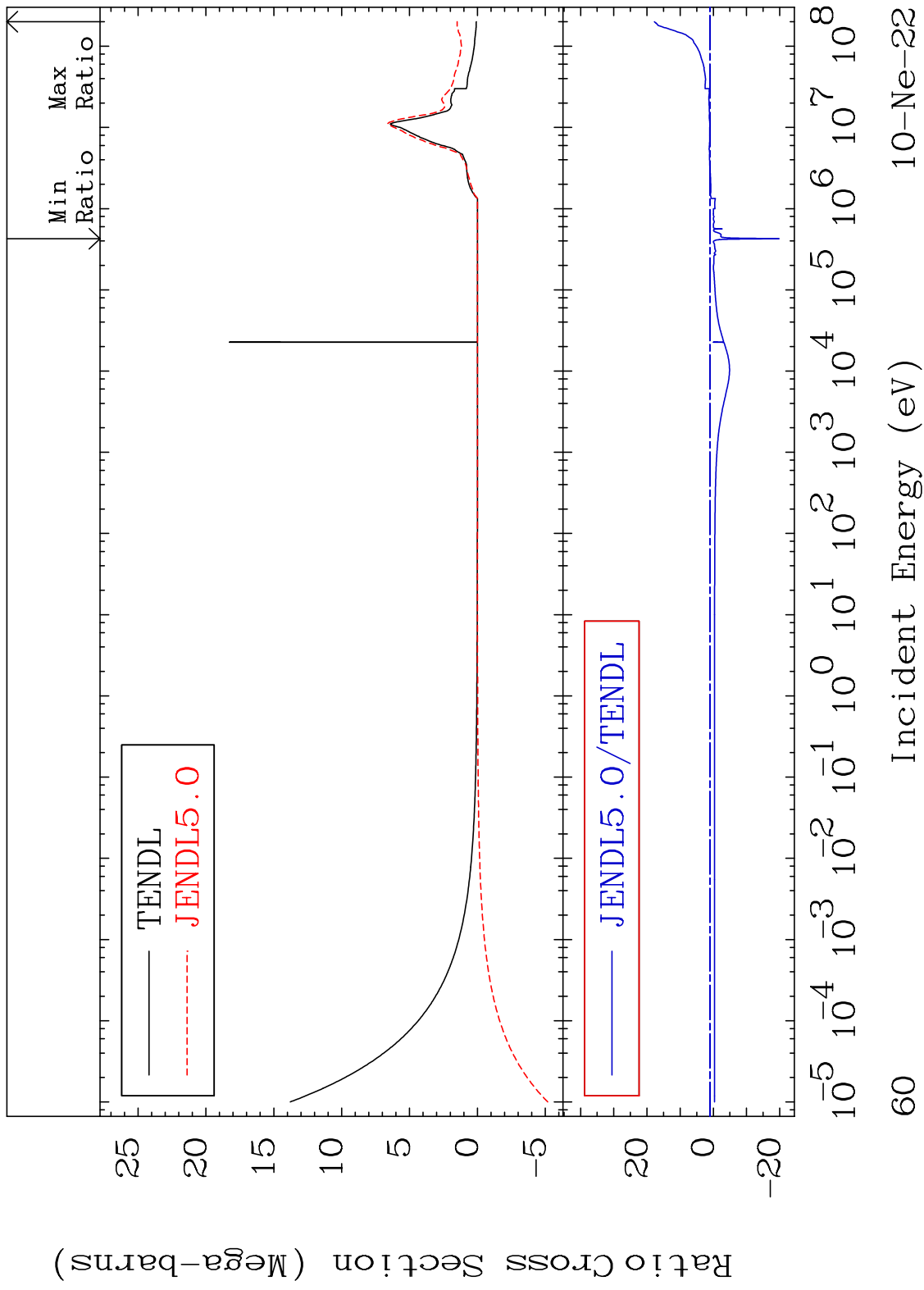


MAT 1031 Kerma capture (mt102) 10-Ne-22  
 Cross Section -100.0 To 9999. %

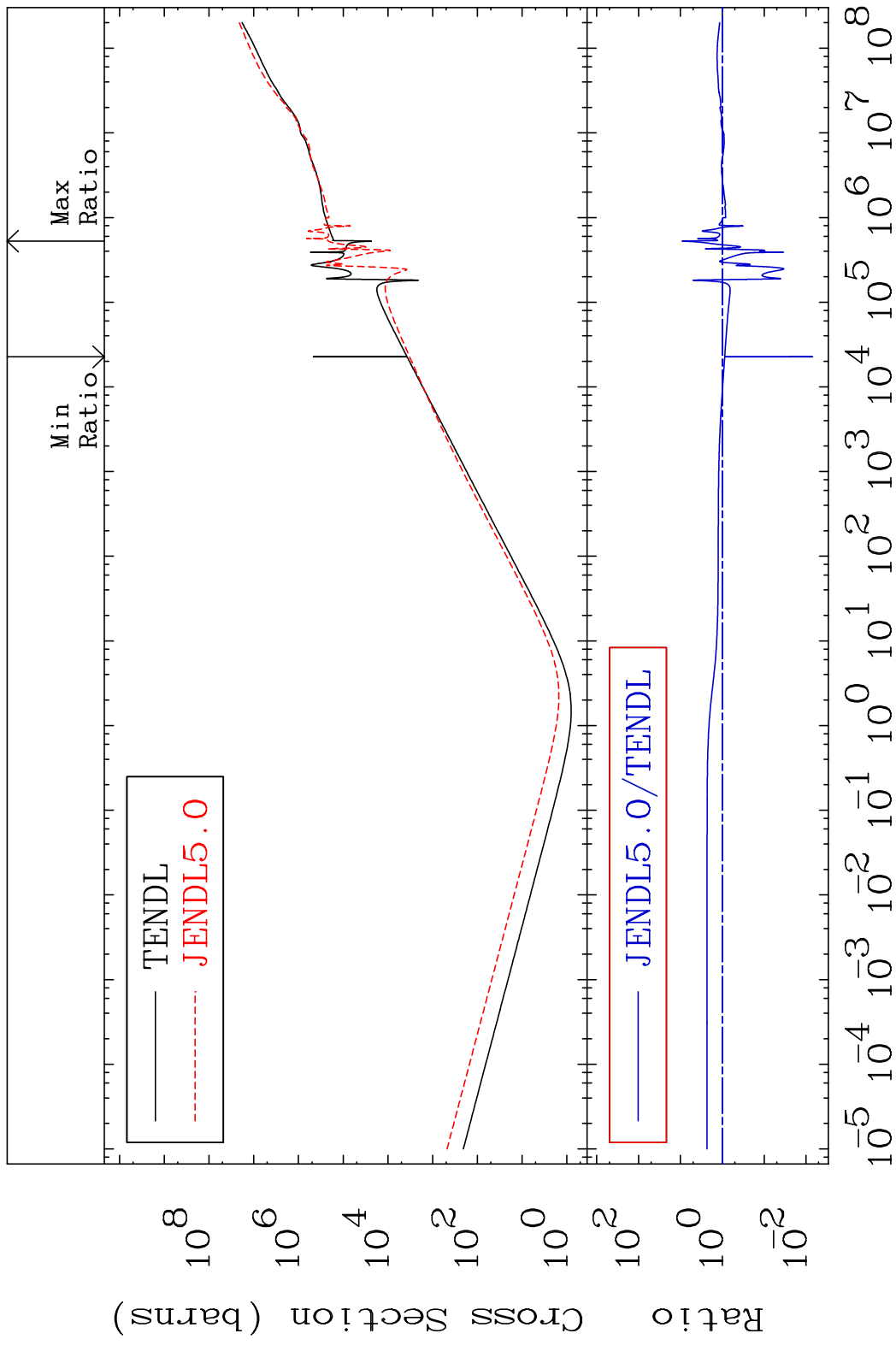


59 Incident Energy (eV) 10-Ne-22

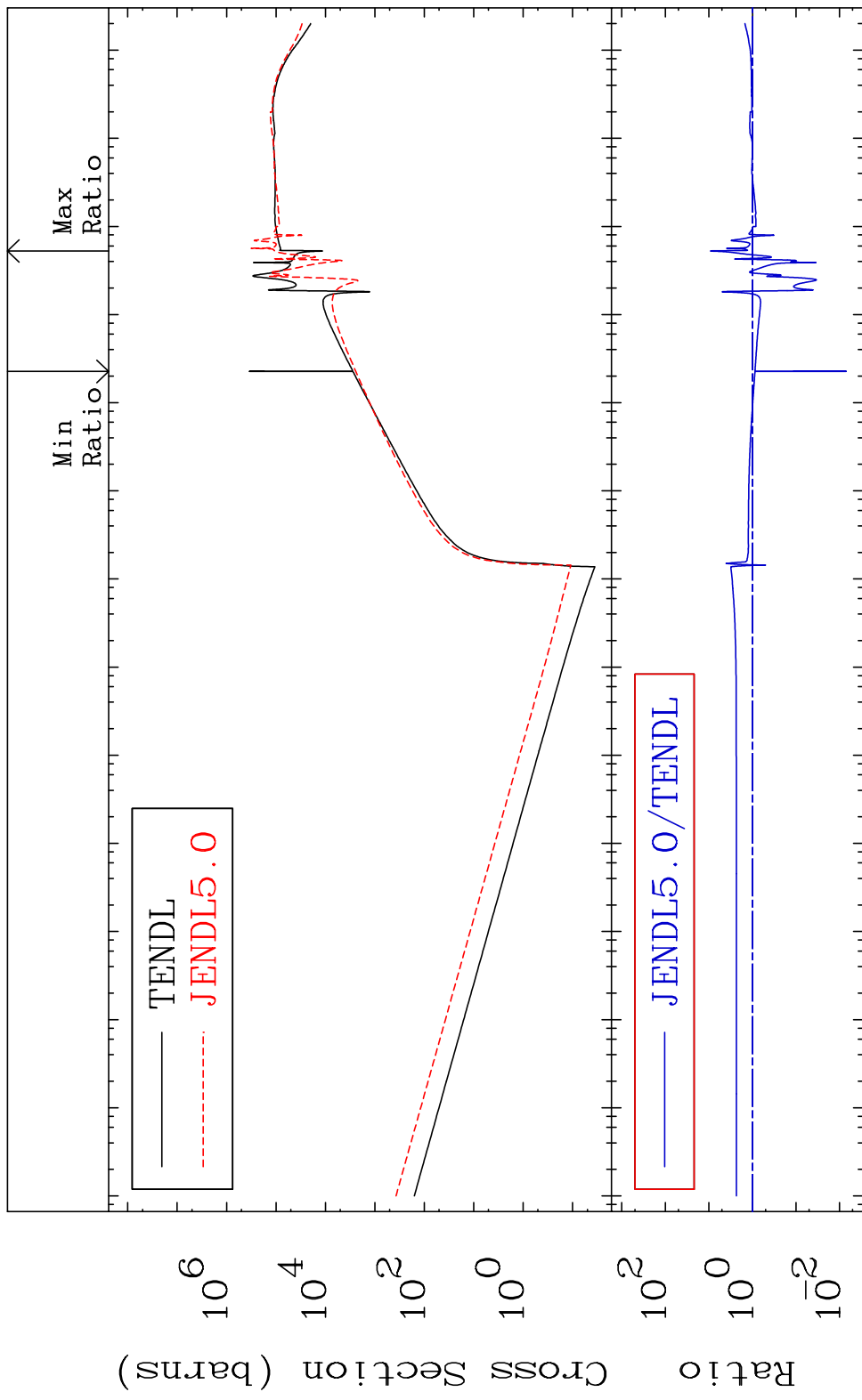
MAT 1031 Total photon (eV-barns) 10-Ne-22  
Cross Section -2085. To 1677. %



MAT 1031 Total kinematic kerma (high limit) 10-Ne-22  
 Cross Section -99.30 To 800.4 %



MAT 1031 Dpa total (eV-barns) 10-Ne-22  
 Cross Section -99.30 To 808.0 %



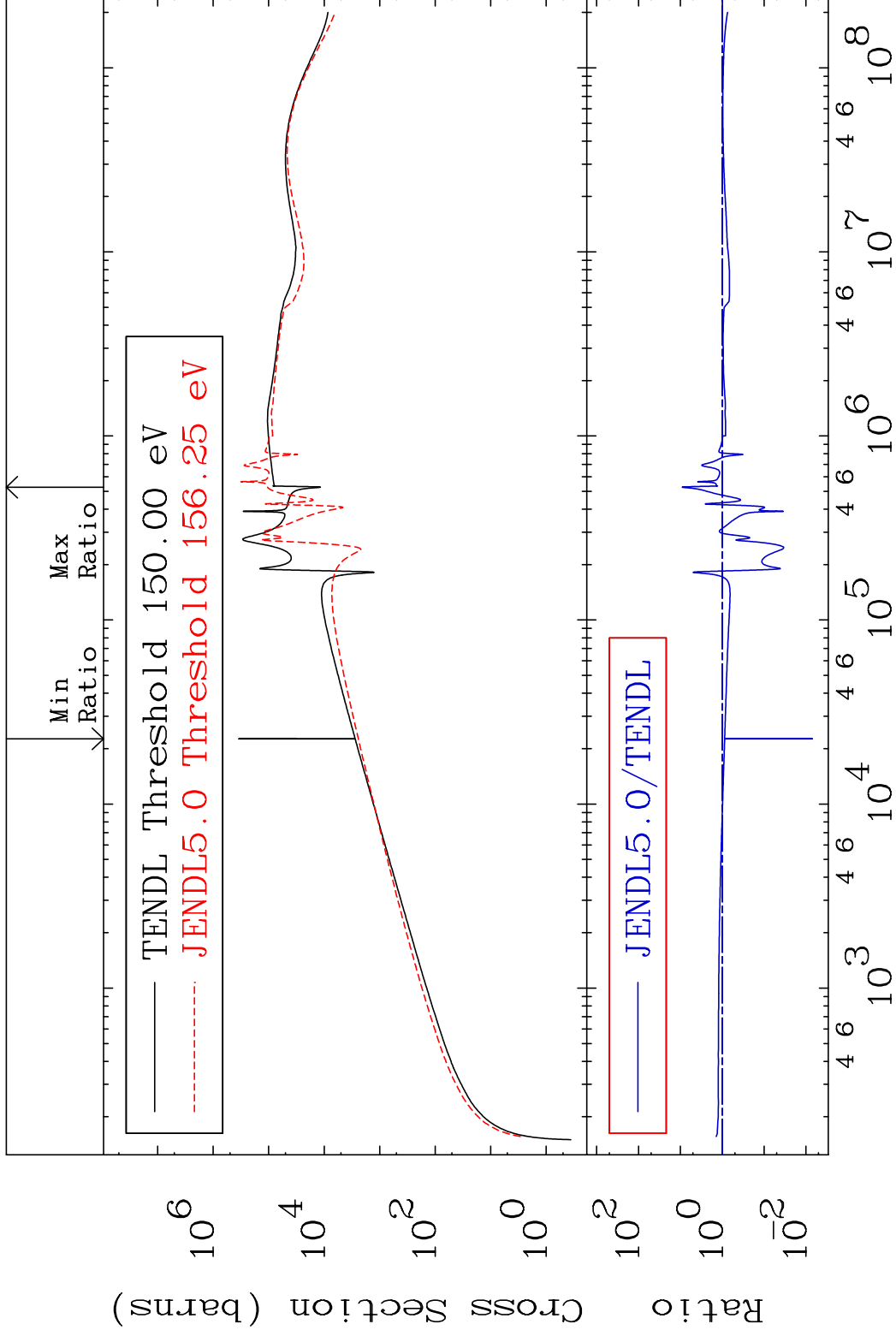
62 Incident Energy (eV) 10-Ne-22

MAT 1031

Dpa elastic (mt2)

10-Ne-22

Cross Section -99.30 To 808.0 %



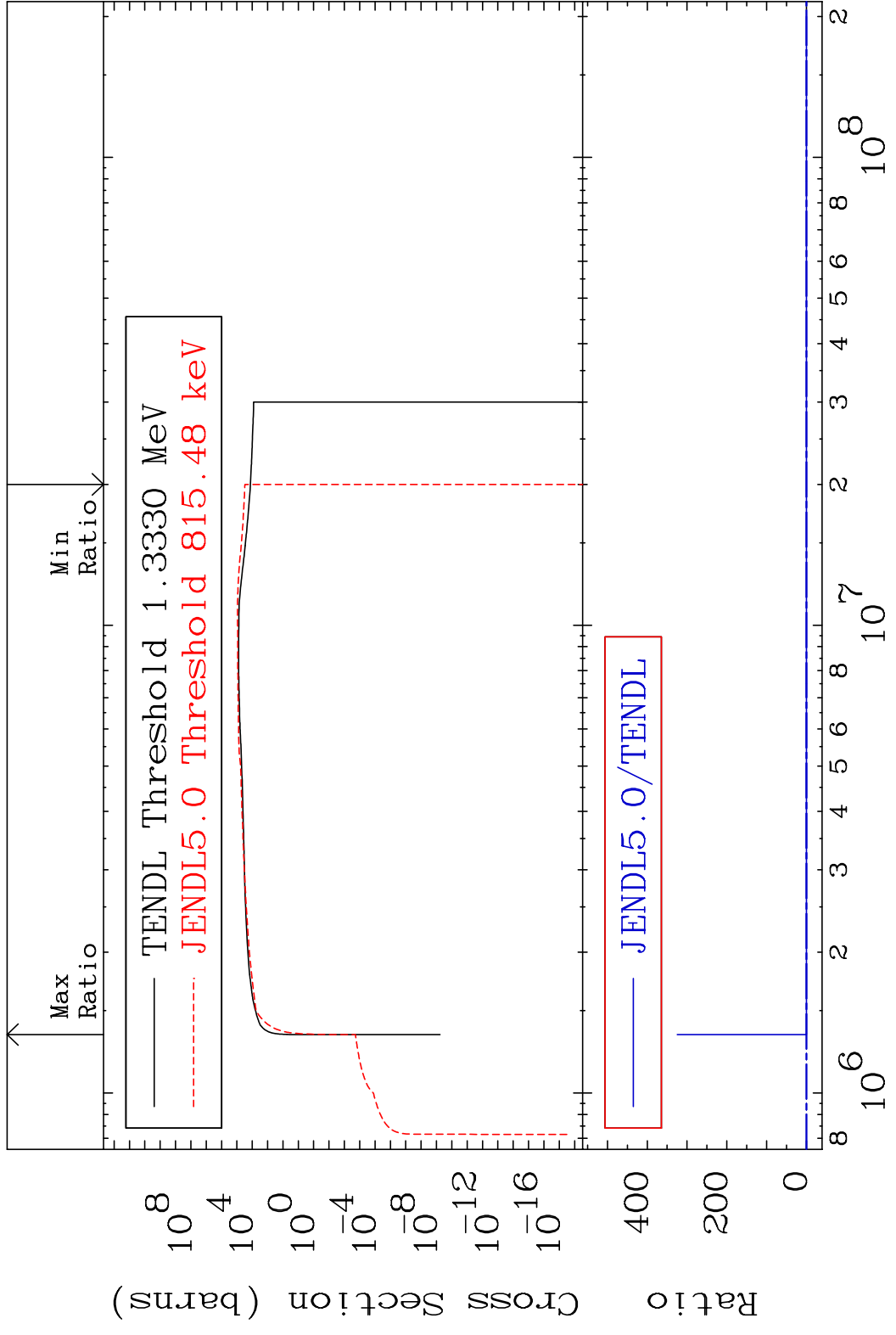
63

Incident Energy (eV)

10-Ne-22

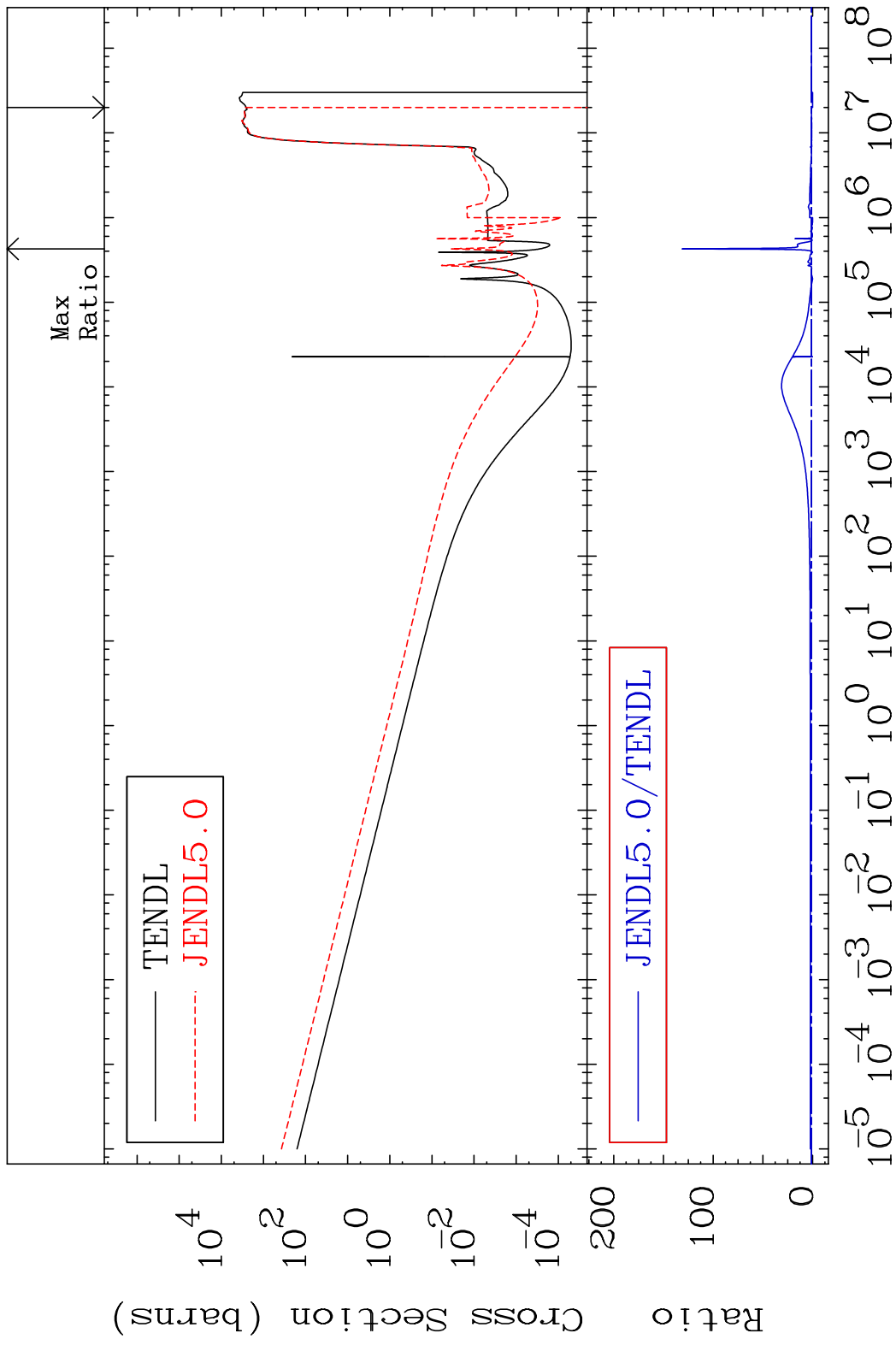


MAT 1031 Dpa inelastic (mt51-91) 10-Ne-22  
 Cross Section -100.0 To 9999. %



64 Incident Energy (eV) 10-Ne-22

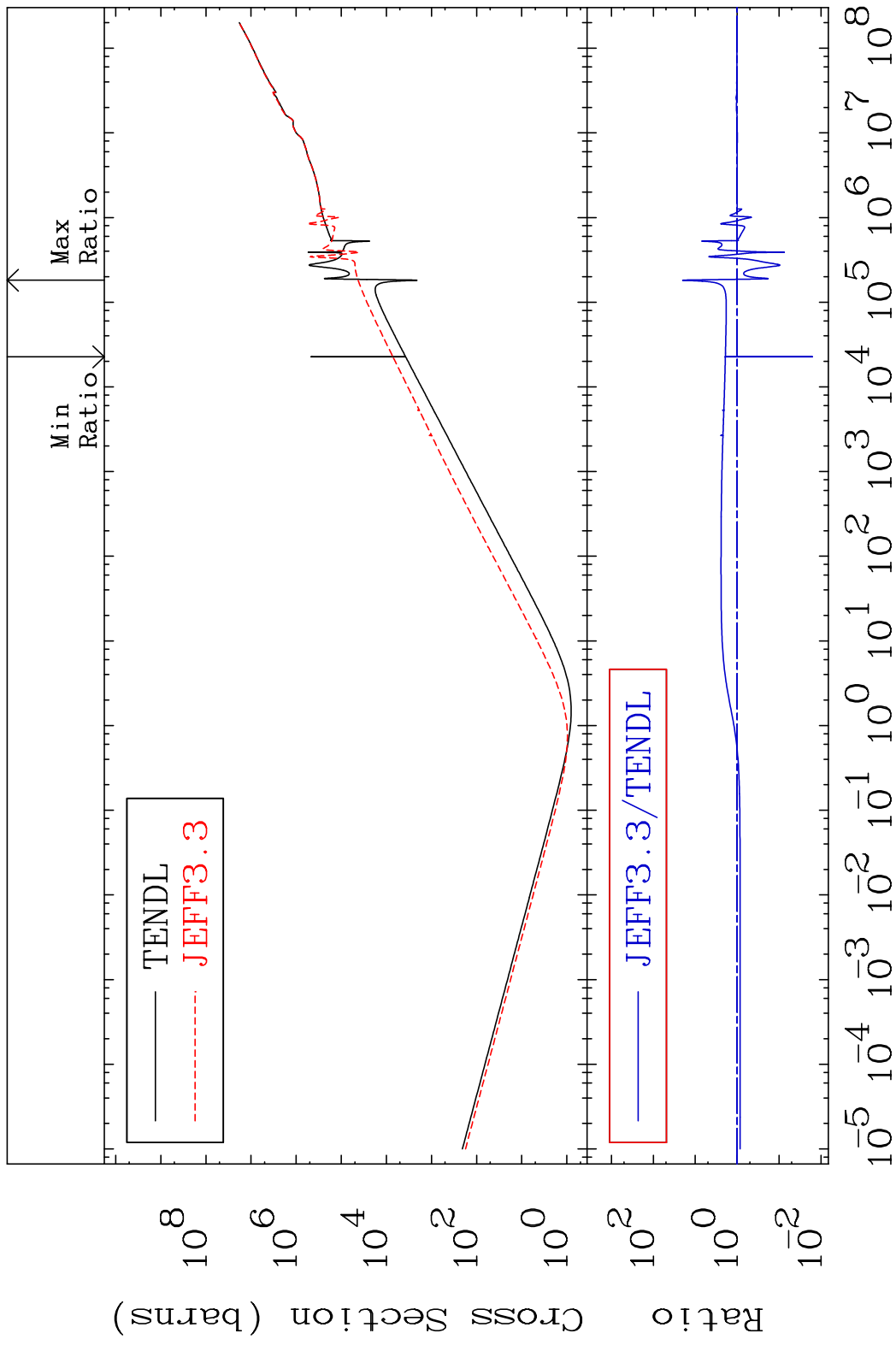
MAT 1031 Dpa disappearance (mt102 -120) 10-Ne-22  
 Cross Section -100.0 To 9999. %



65

Incident Energy (eV) 10-Ne-22

MAT 1031 Kerma total (eV-barns) 10-Ne-22  
 Cross Section -98.41 To 1933. %

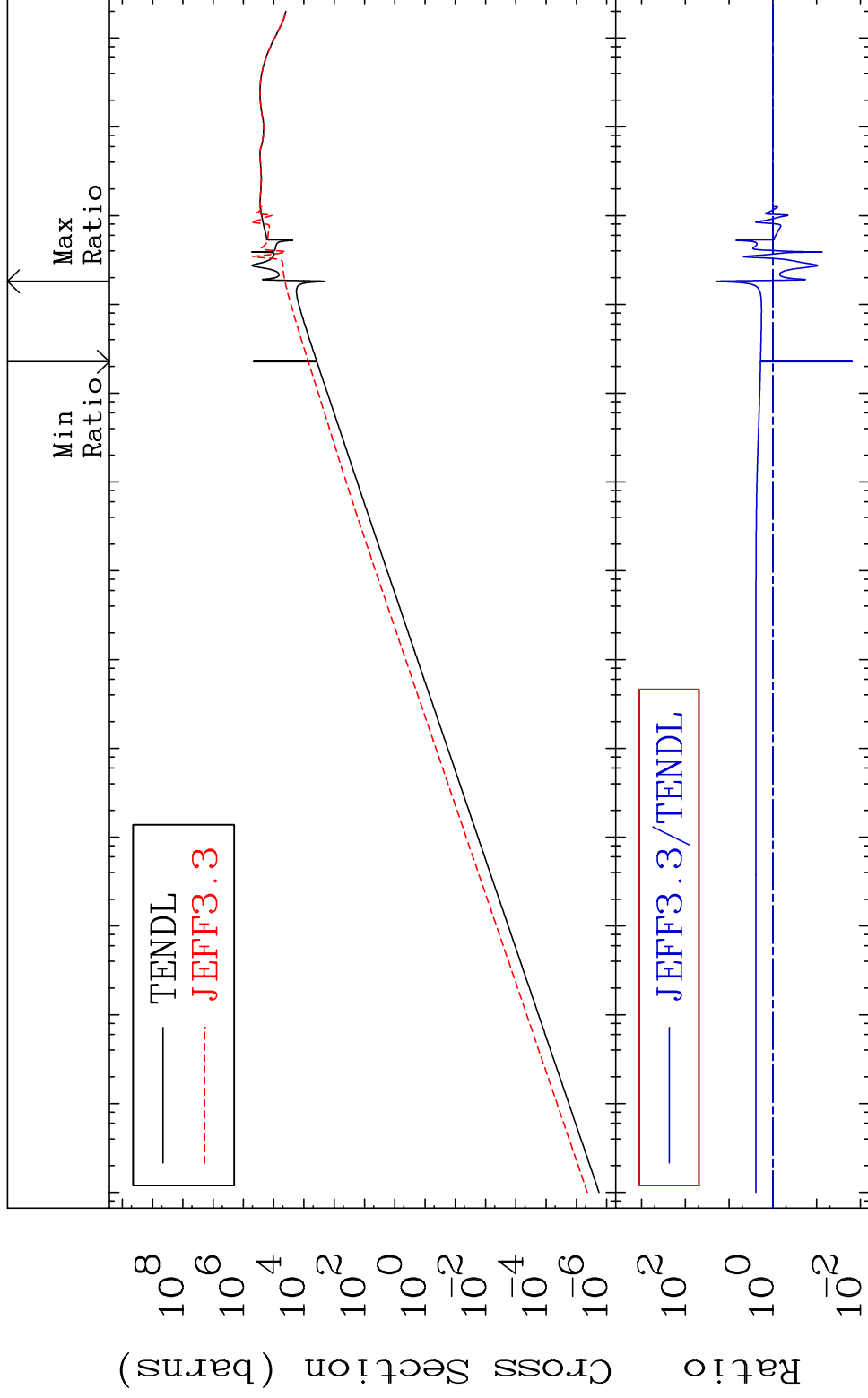


MAT 1031

Kerma elastic  
Cross Section

-98.46 To 1933. %

10-Ne-22

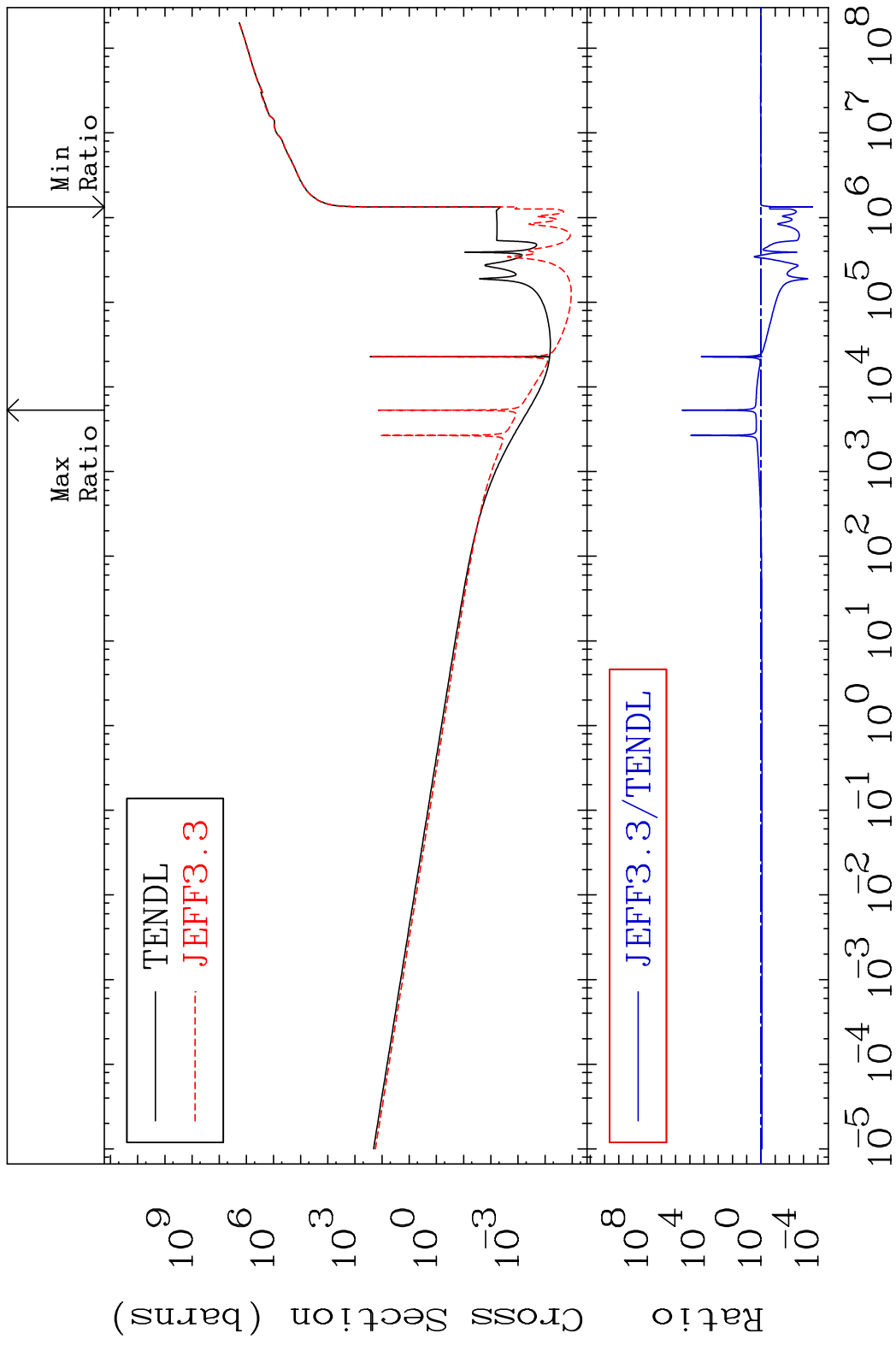


67

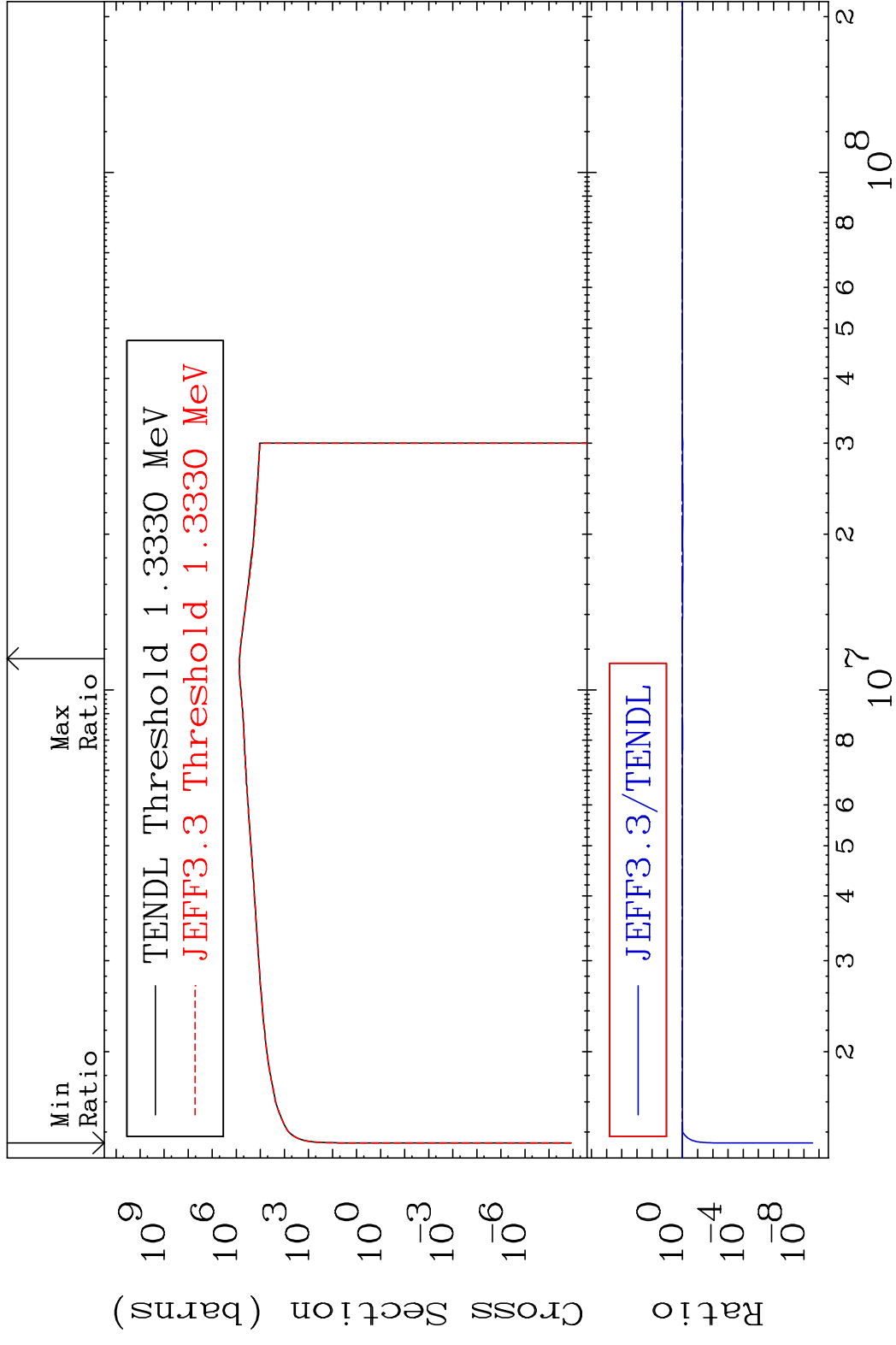
Incident Energy (eV)

10-Ne-22

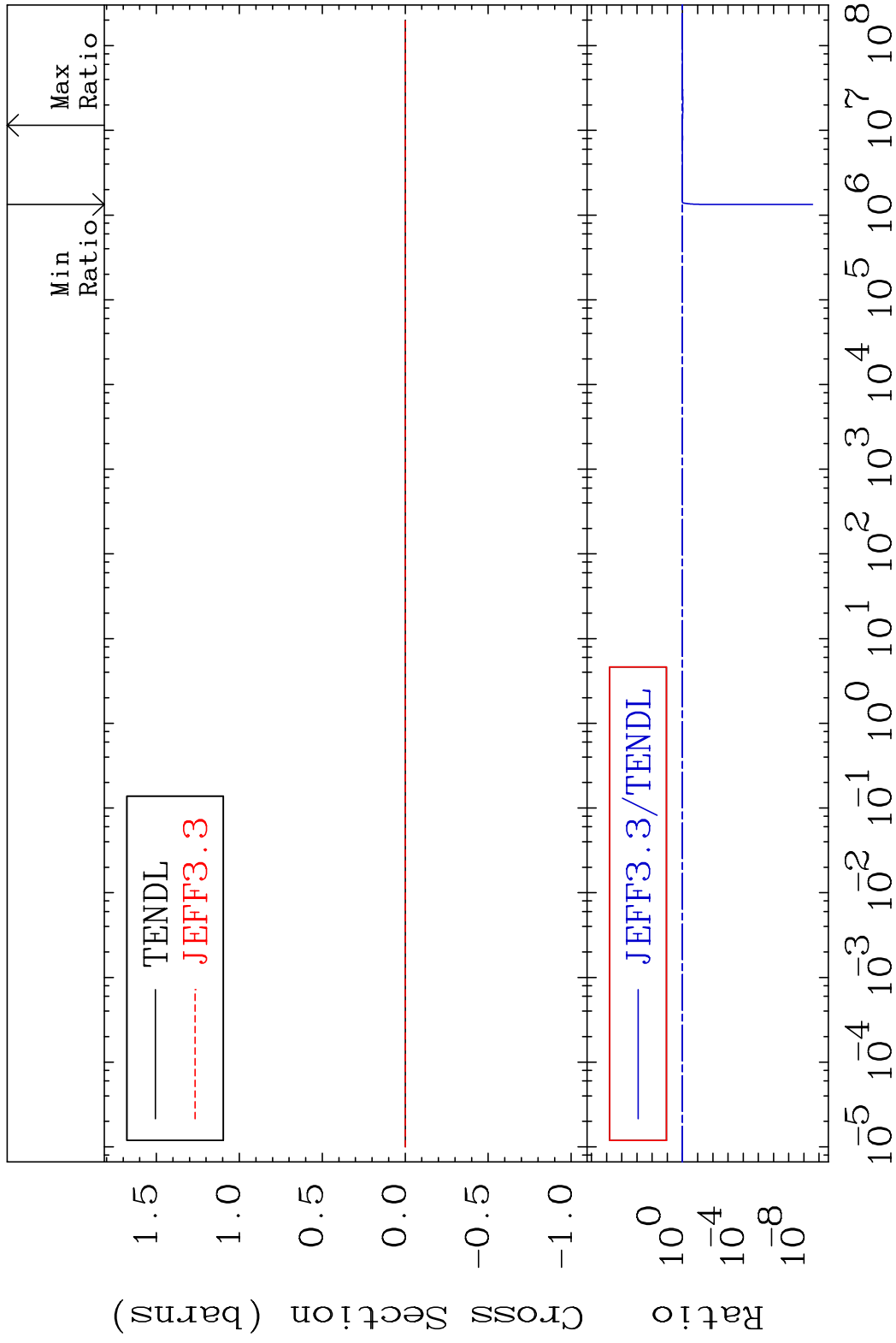
MAT 1031 Kerma non-elastic (all but mt2) 10-Ne-22  
 Cross Section -99.98 To 9999. %



MAT 1031 Kerma inelastic (mt51-91) 10-Ne-22  
 Cross Section -100.0 To 2.156 %



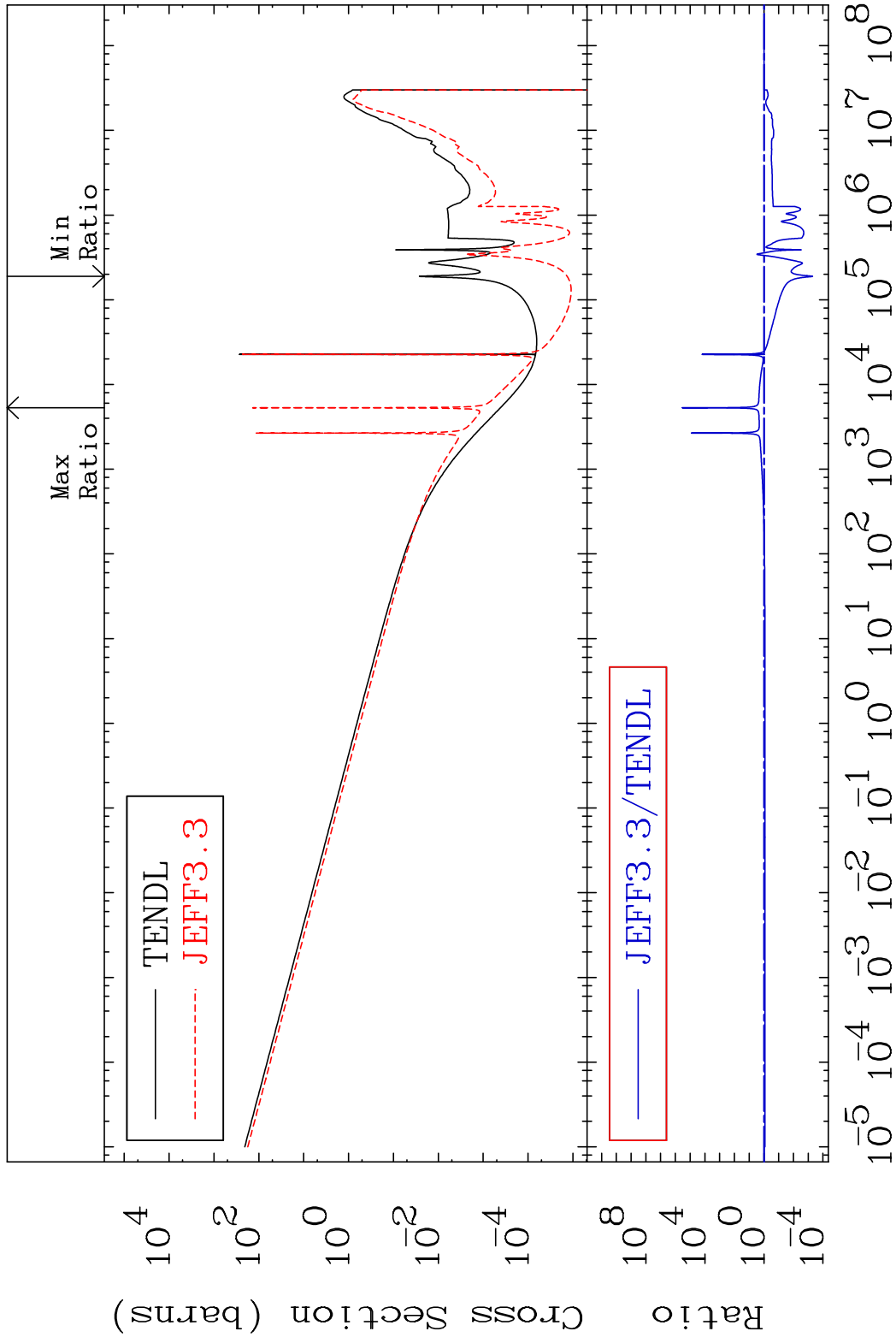
MAT 1031 Kerma fission (mt18 or mt19-20-21-38) 10-Ne-22  
 Cross Section -100.0 To 2.156 %



70 Incident Energy (eV) 10-Ne-22

MAT 1031

Kerma capture (mt102) 10-Ne-22  
Cross Section -99.95 To 9999. %



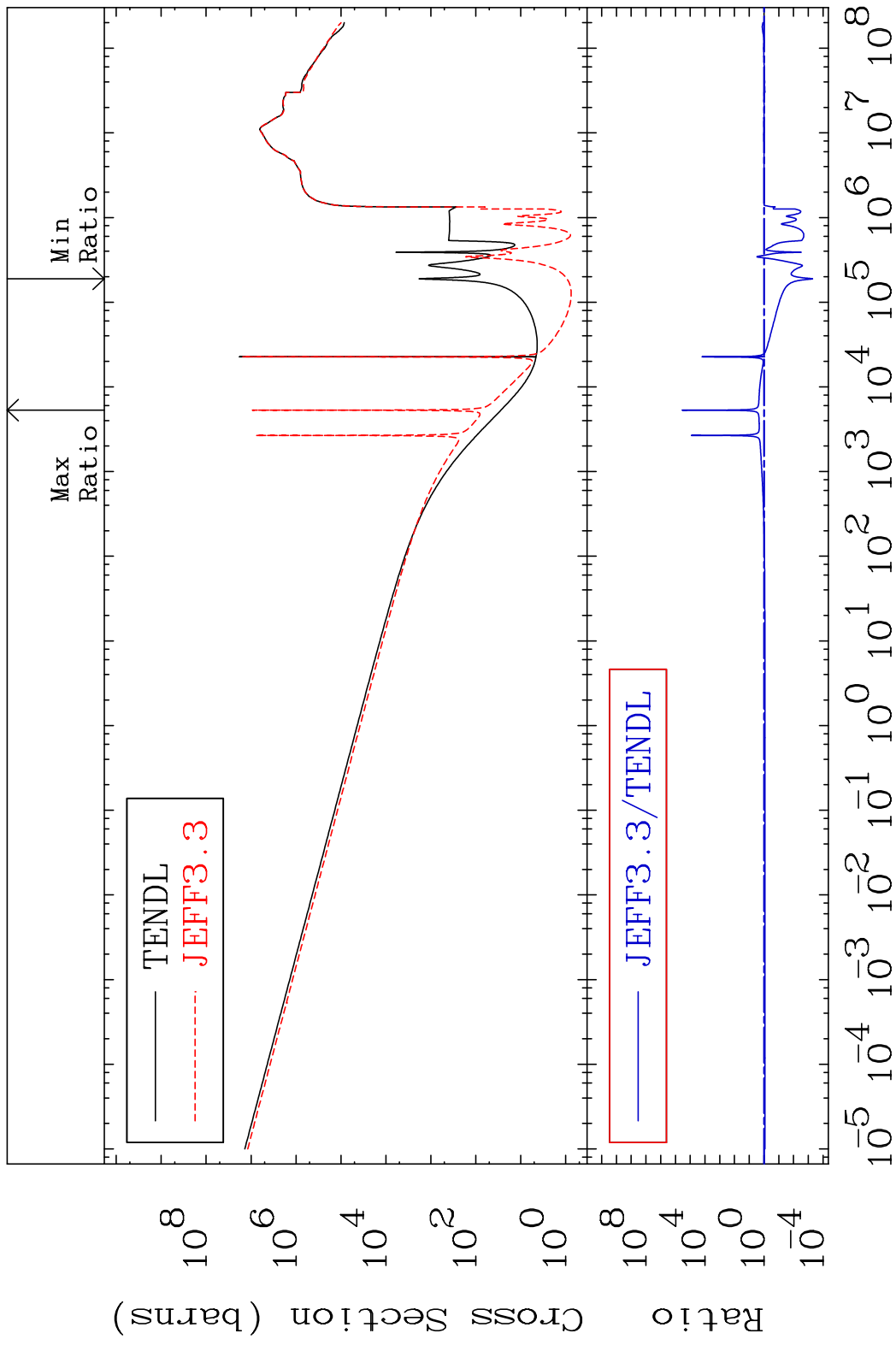
71

Incident Energy (eV)

10-Ne-22

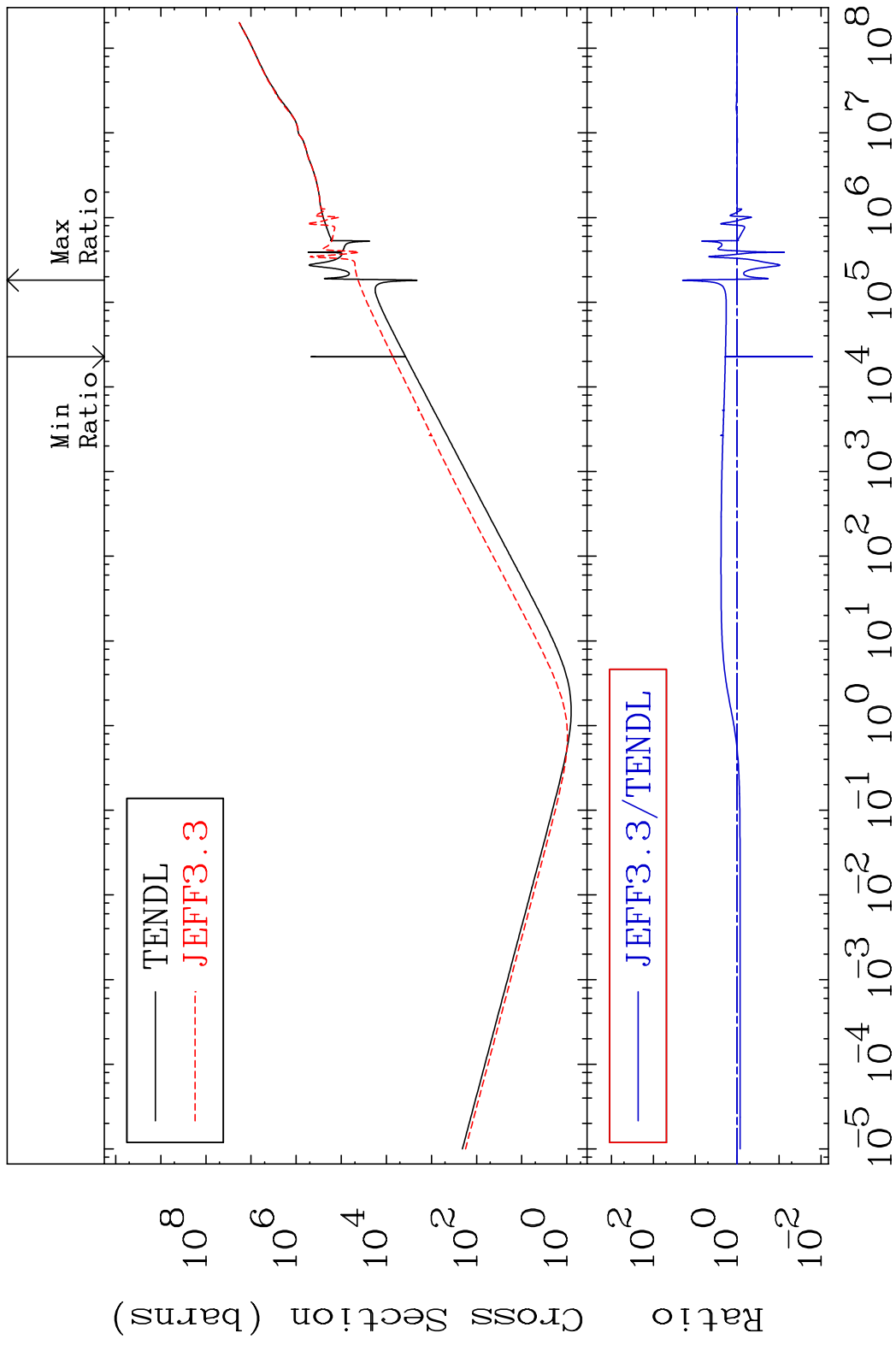


MAT 1031 Total photon (eV-barns) 10-Ne-22  
Cross Section -99.95 To 9999. %



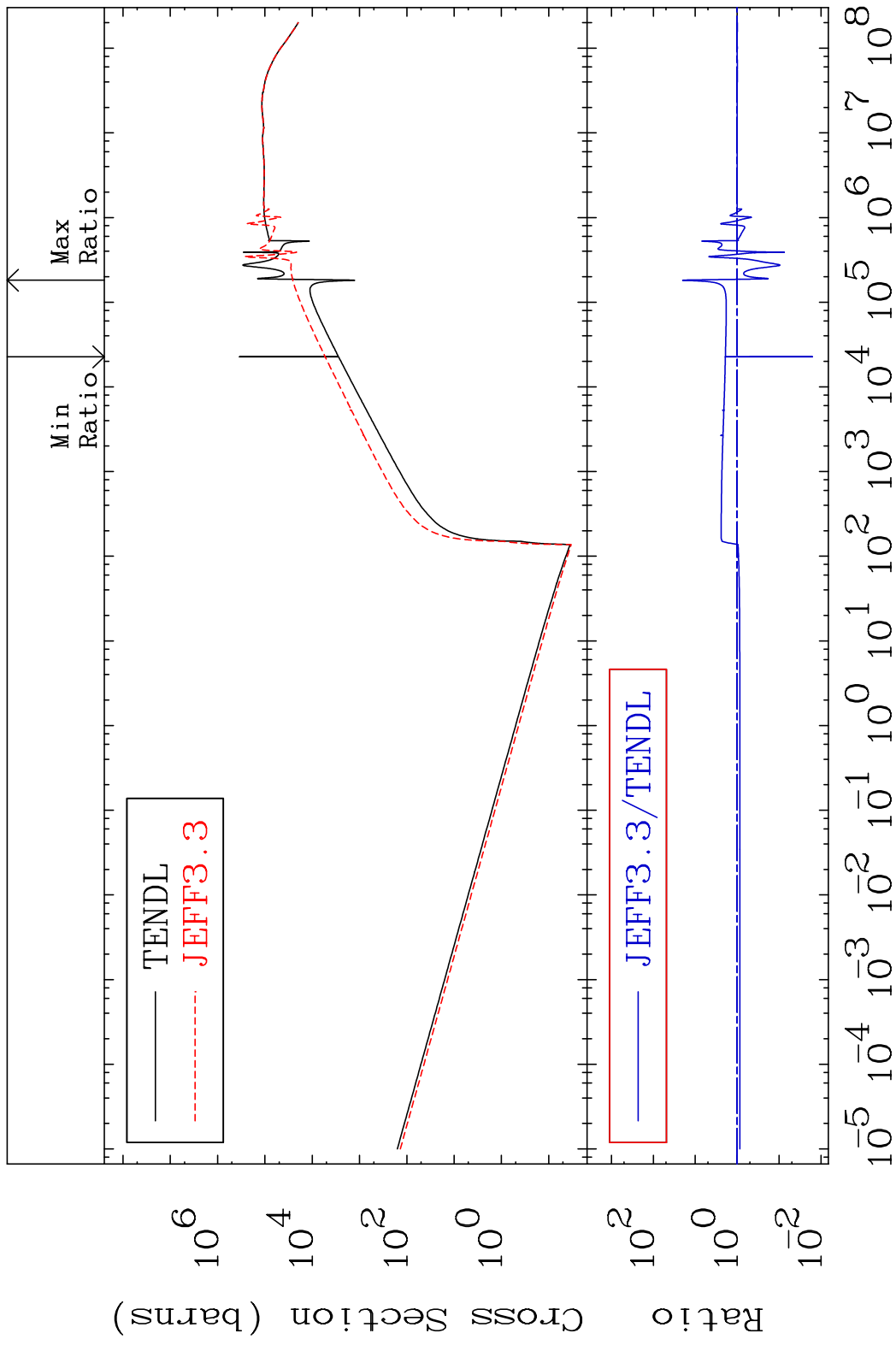
72 Incident Energy (eV) 10-Ne-22

MAT 1031 Total kinematic kerma (high limit) 10-Ne-22  
 Cross Section -98.41 To 1933. %



73 Incident Energy (eV) 10-Ne-22

MAT 1031 Dpa total (eV-barns) 10-Ne-22  
 Cross Section -98.41 To 1933. %

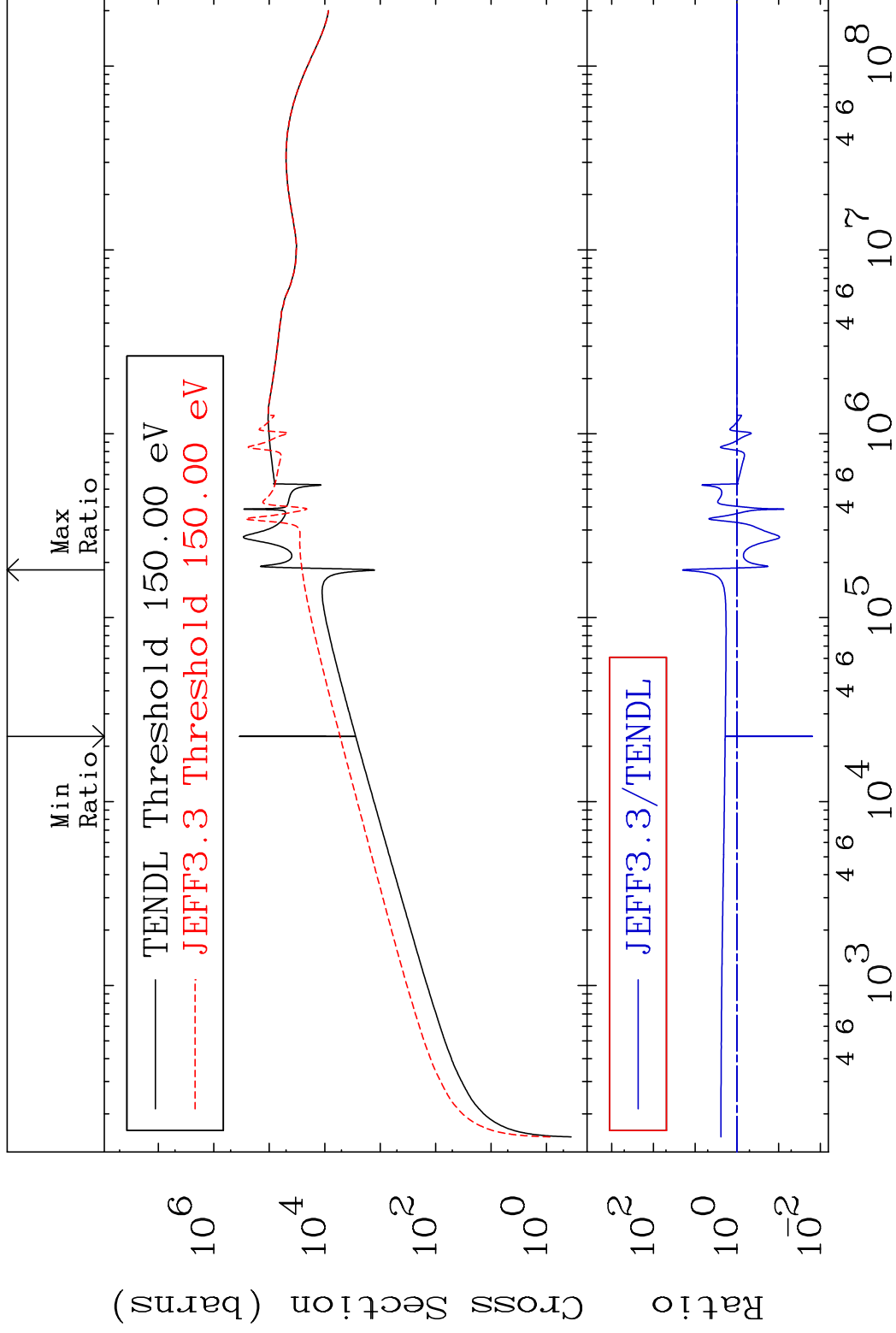


MAT 1031

Dpa elastic (mt2)

10-Ne-22

Cross Section -98.46 To 1933. %



75

Incident Energy (eV)

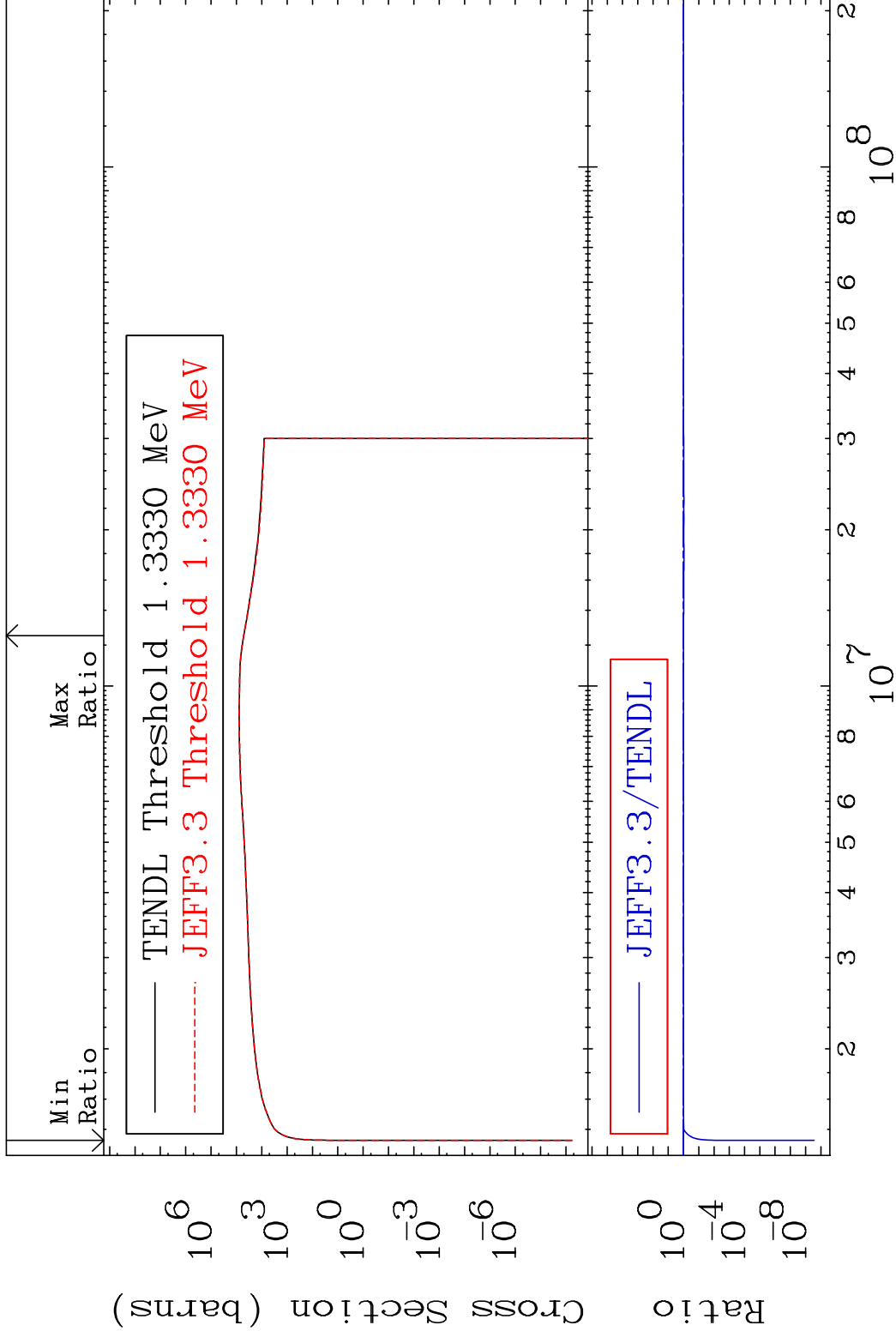
10-Ne-22

MAT 1031

Dpa inelastic (mt51-91)

10-Ne-22

Cross Section -100.0 To 1.226 %



76

Incident Energy (eV)

10-Ne-22

MAT 1031 Dpa disappearance (mt102 -120) 10-Ne-22  
 Cross Section -99.95 To 9999. %

