

Program Complot
(Version 2021-1)

by

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Press Mouse Button to Start

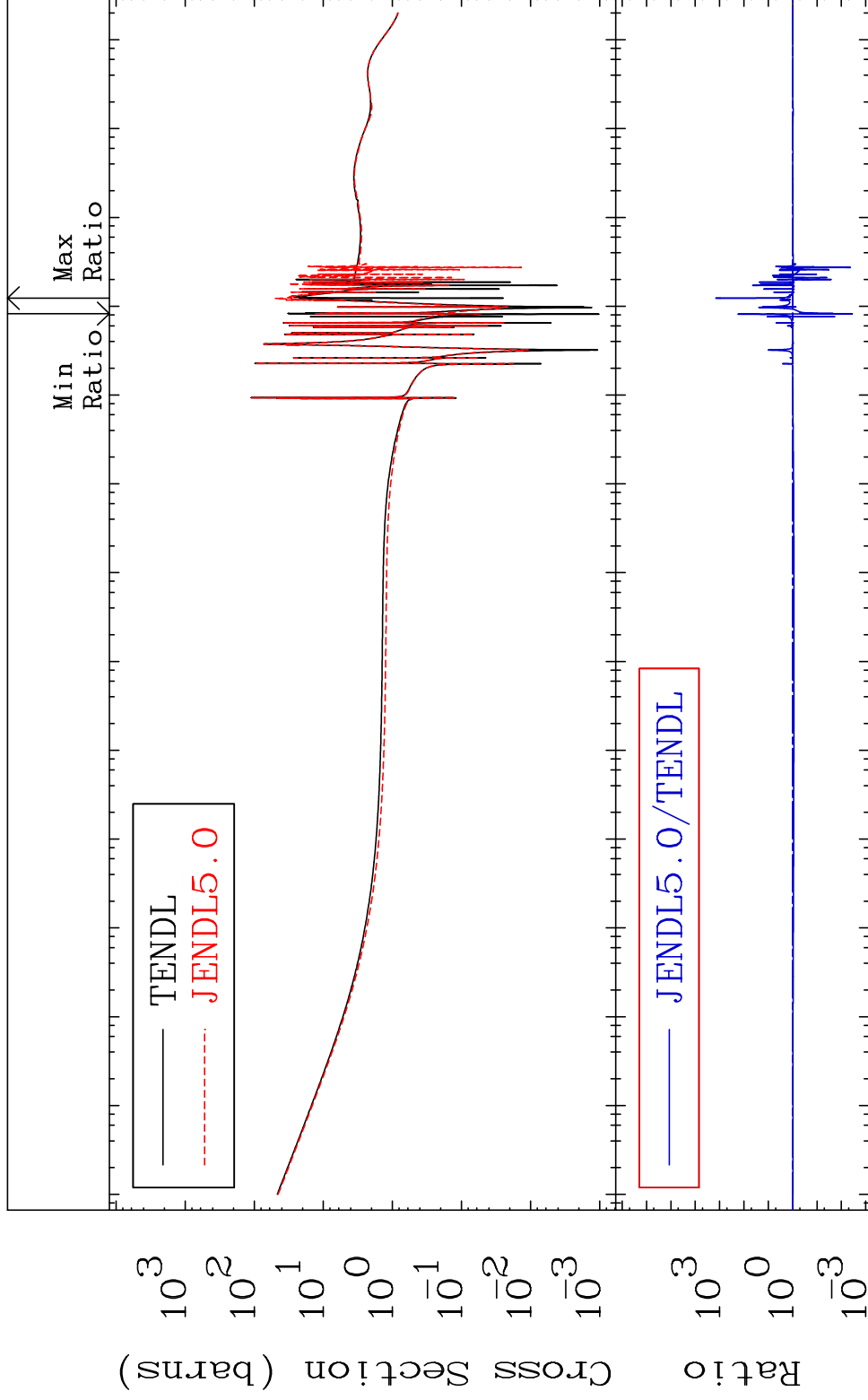
MAT 2031

Total

20-Ca-42

Cross Section

-99.64 To 9999. %



1

Incident Energy (eV)

20-Ca-42

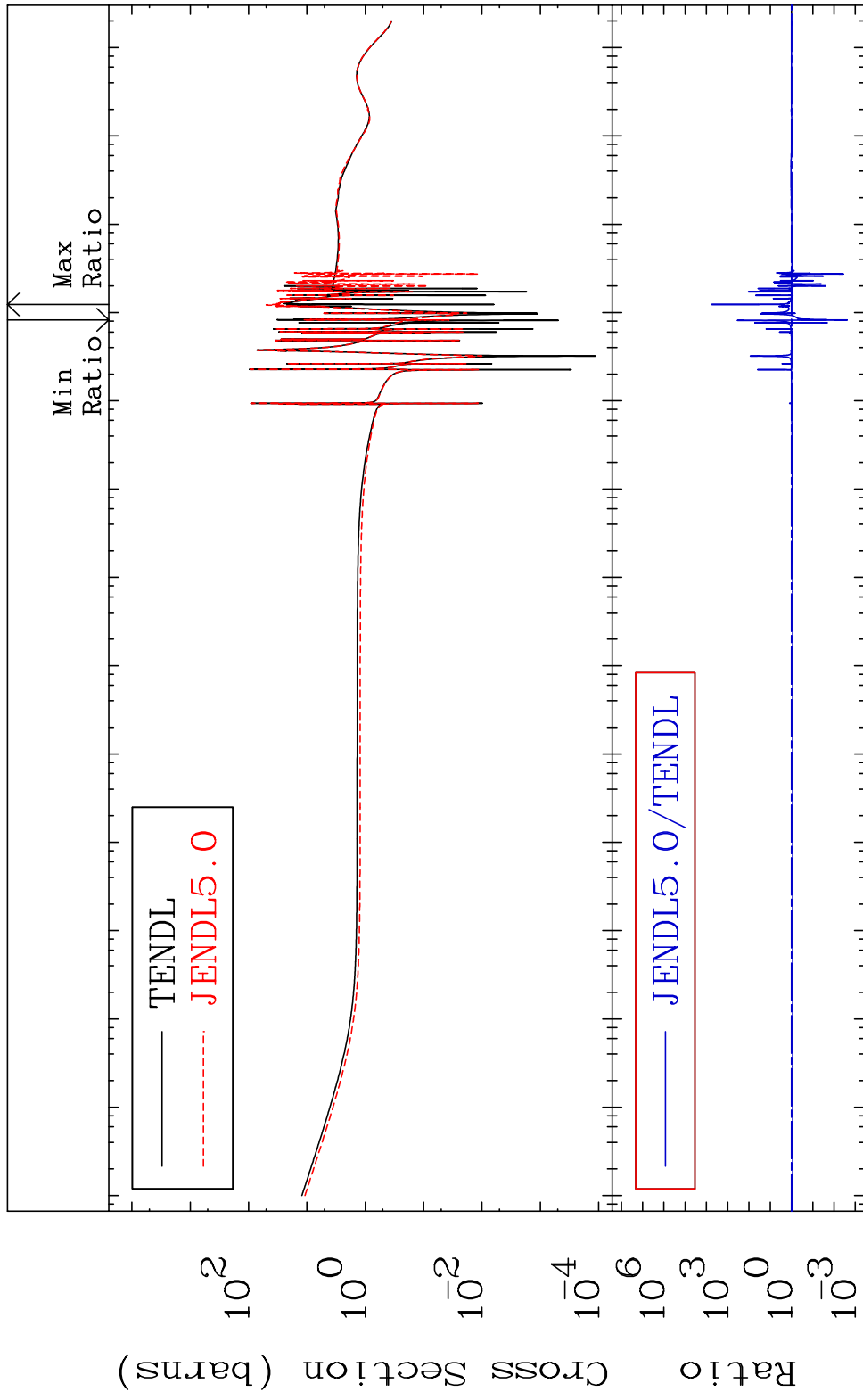
MAT 2031

Elastic

20-Ca-42

Cross Section

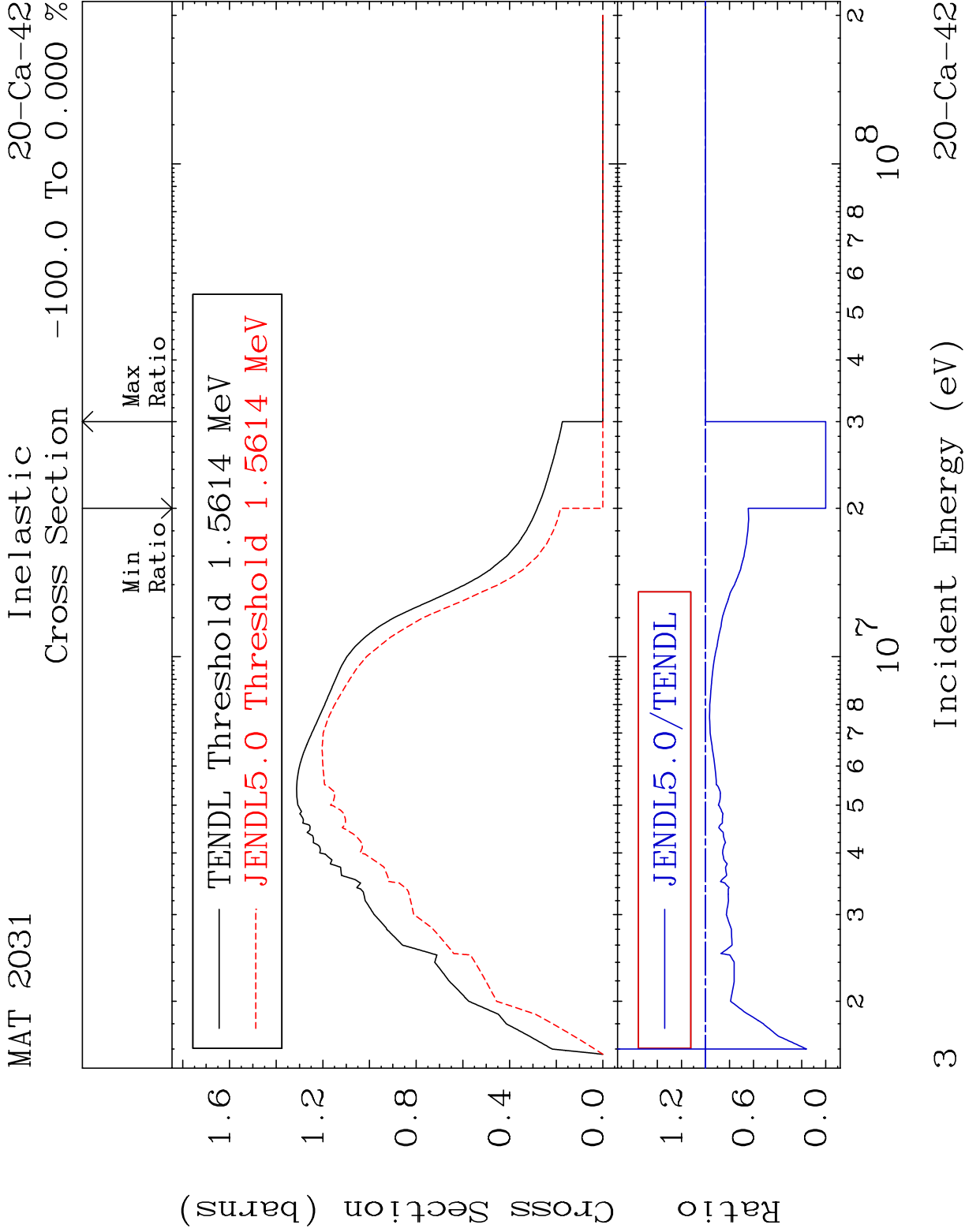
-99.76 To 9999. %



2

Incident Energy (eV)

20-Ca-42

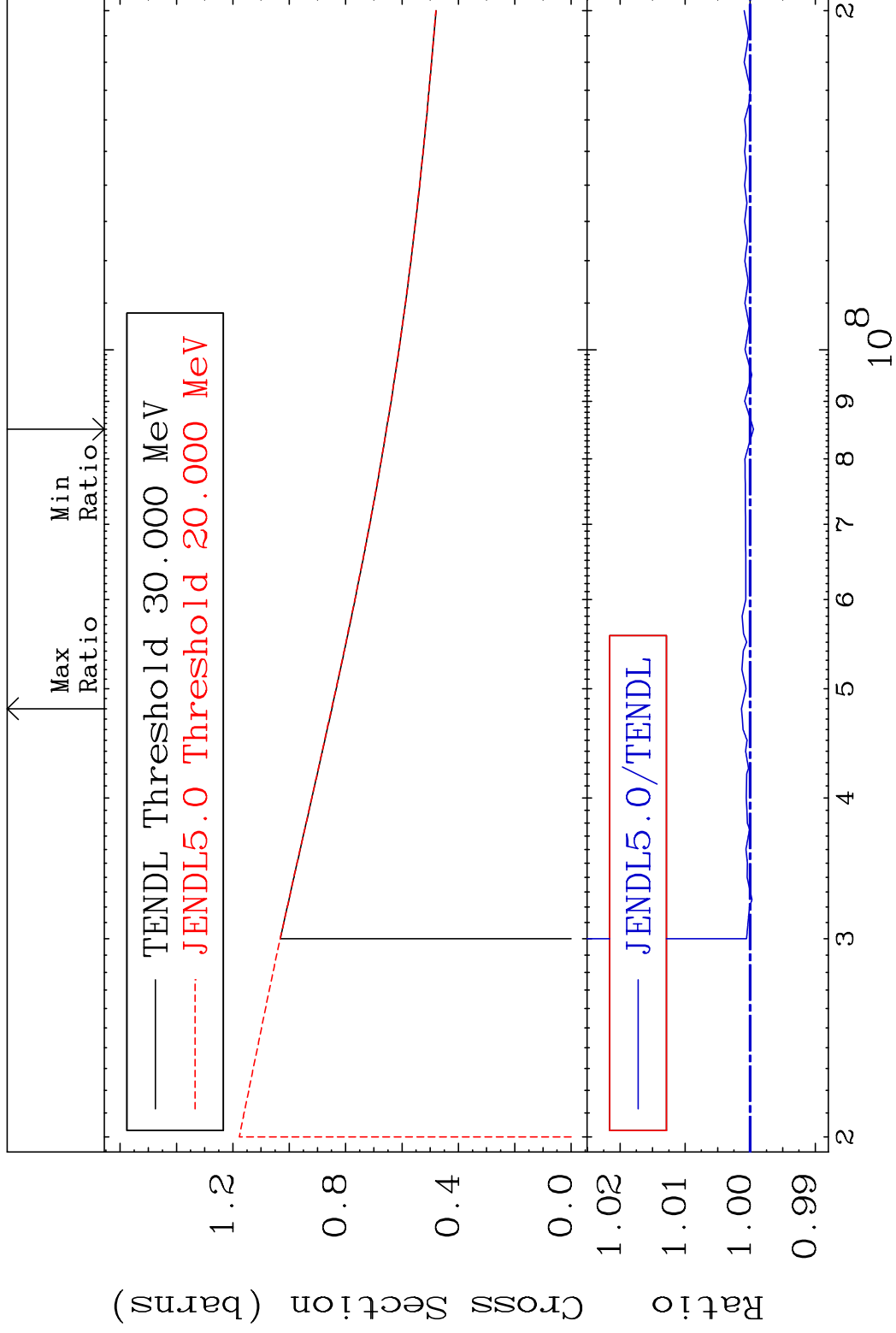


MAT 2031

(n, remainder)

20-Ca-42

Cross Section -0.050 To 0.134 %

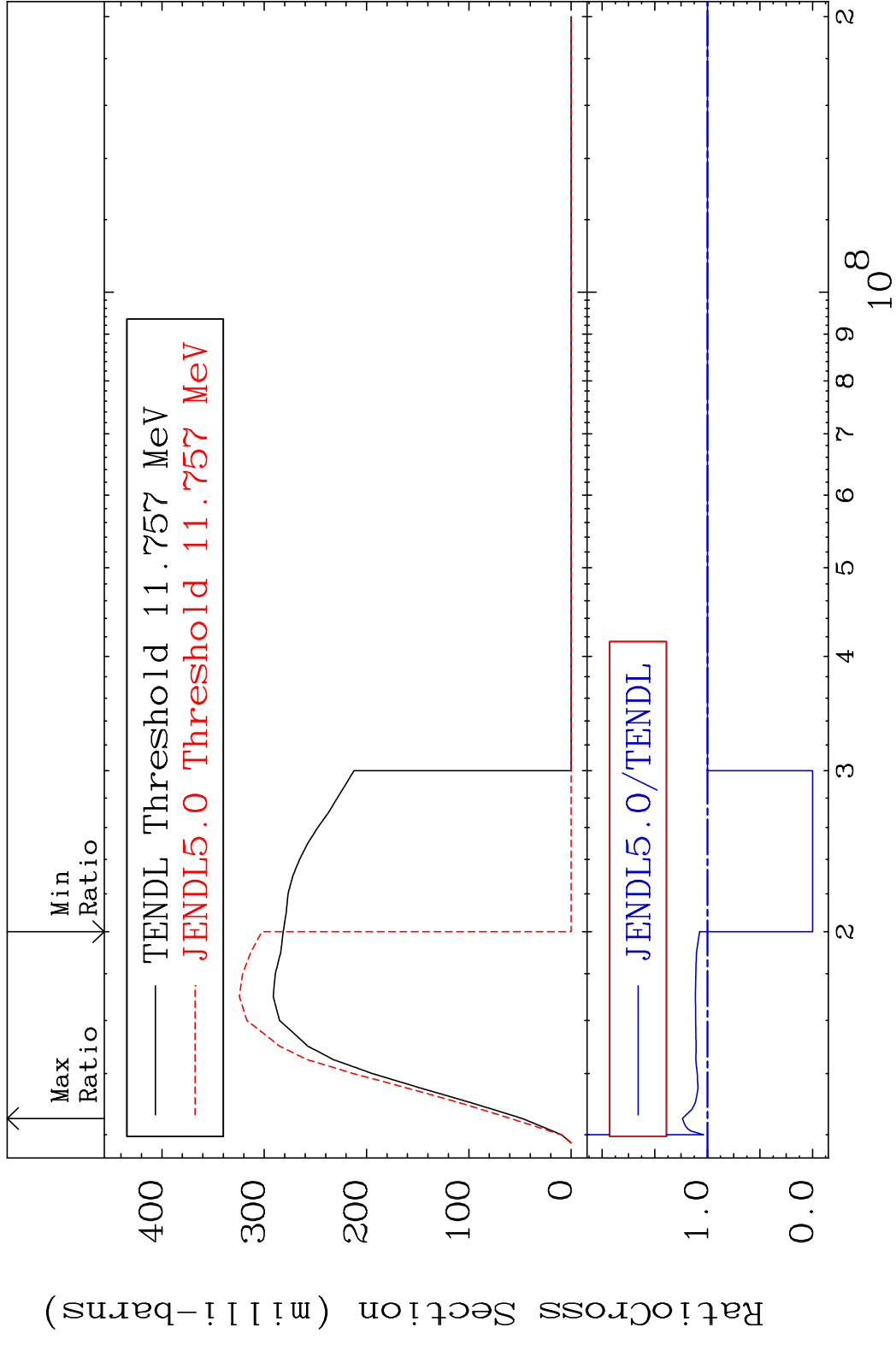


4

Incident Energy (eV)

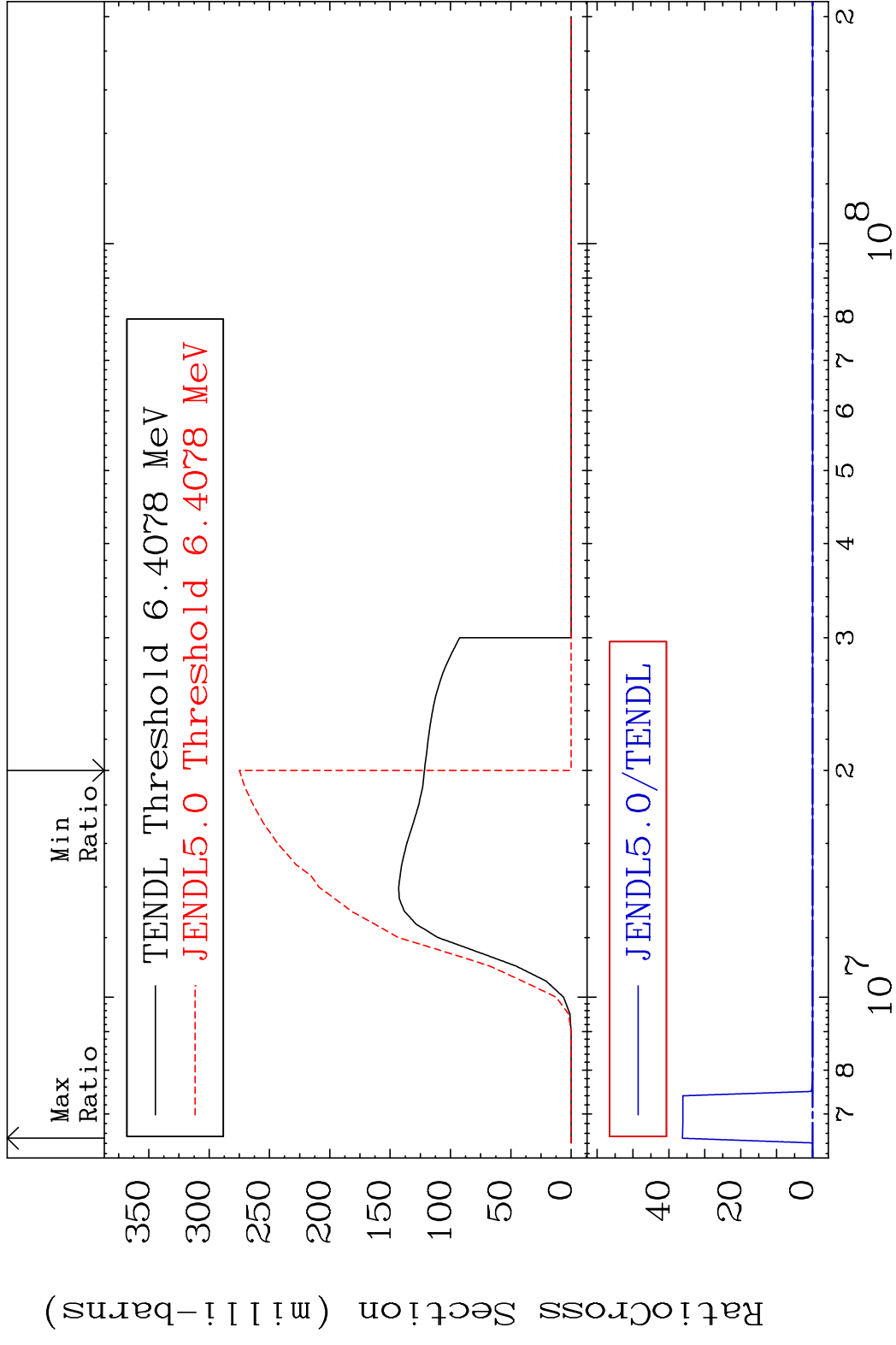
20-Ca-42

MAT 2031 (n,2n) 20-Ca-42
 Cross Section -100.0 To 23.80 %



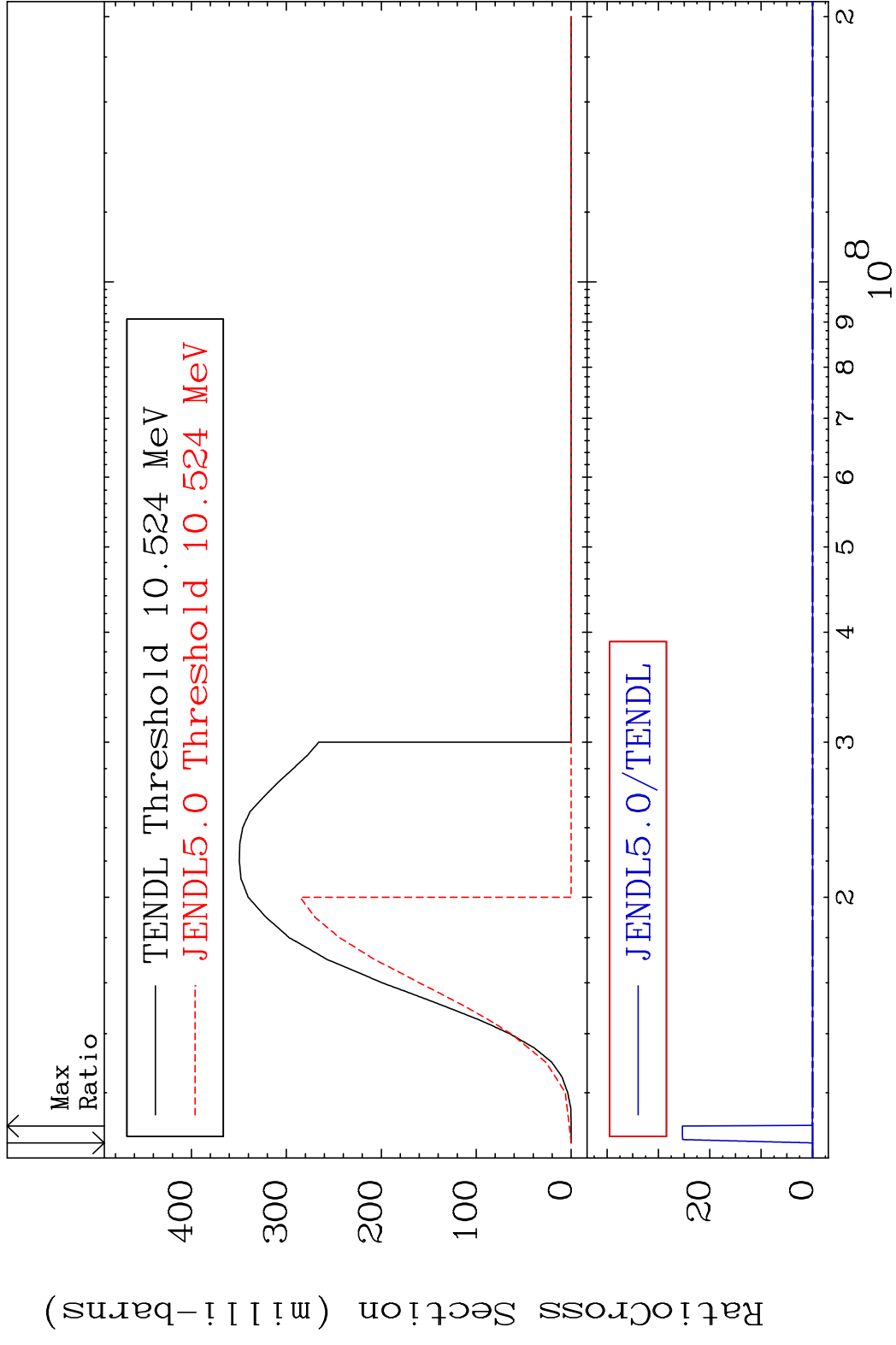
5 Incident Energy (eV) 20-Ca-42

MAT 2031 (n, n') α 20-Ca-42
 Cross Section -100.0 To 9999. %

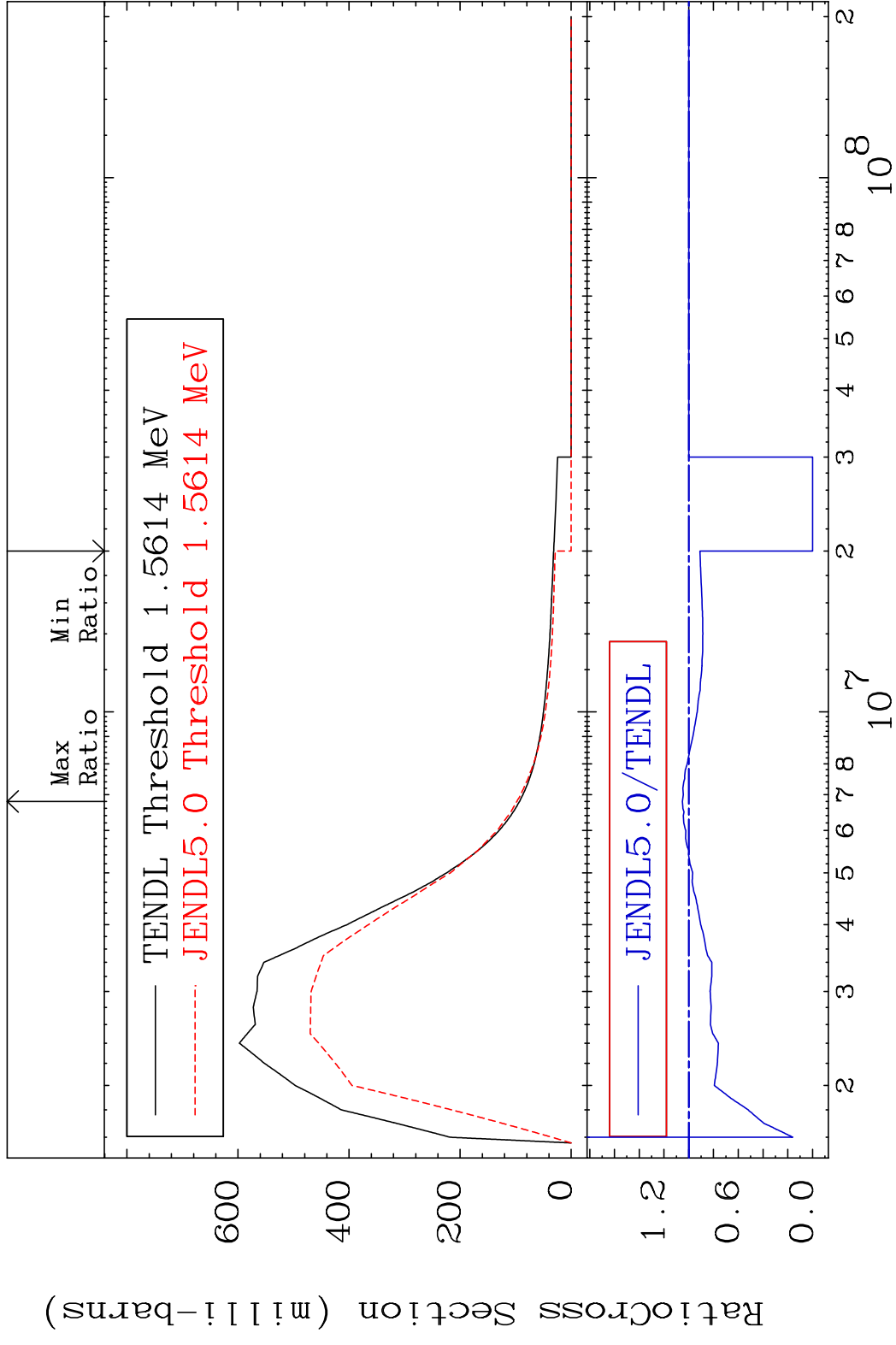


6 20-Ca-42

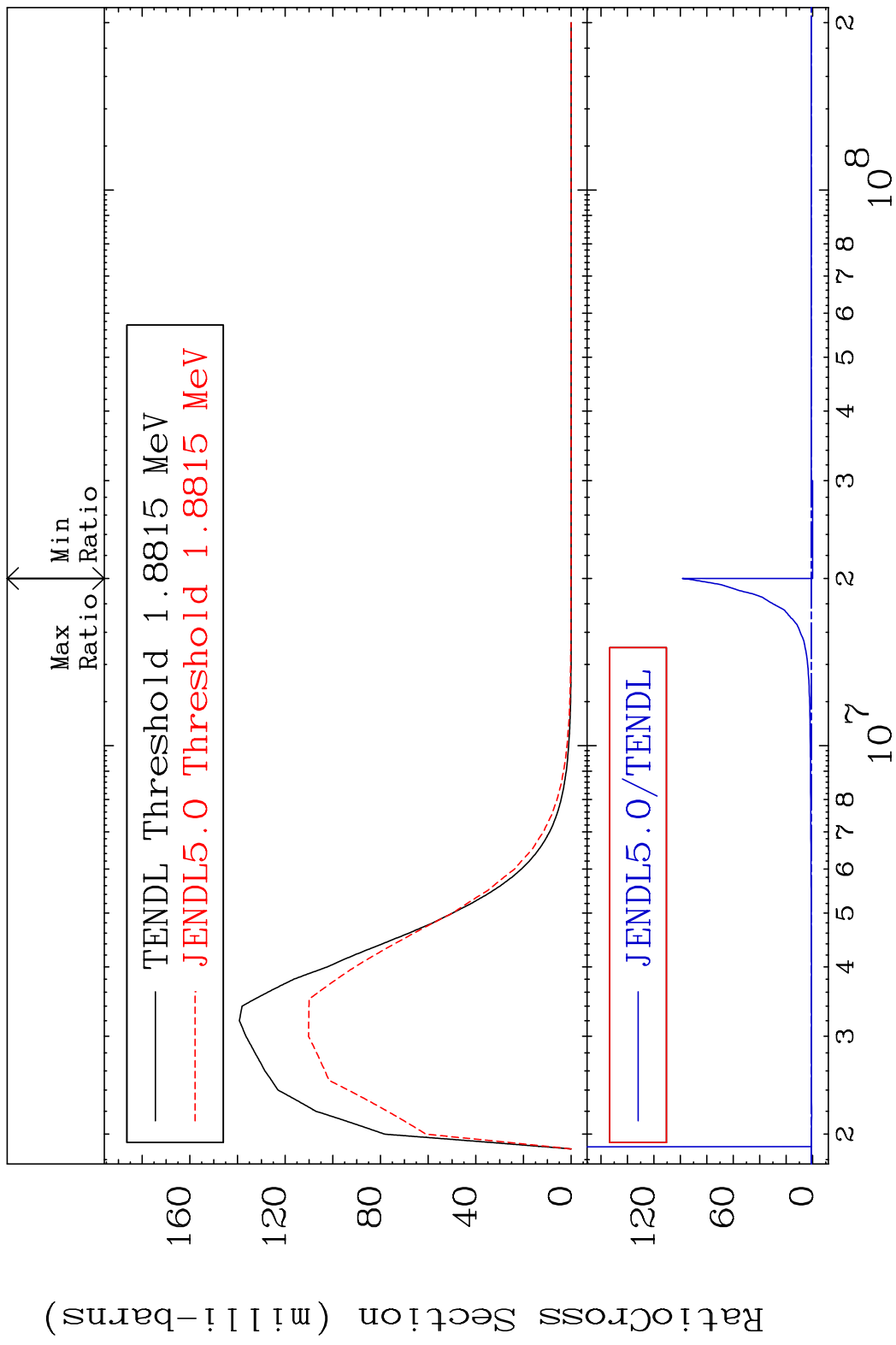
MAT 2031 (n, n') p 20-Ca-42
 Cross Section -100.0 To 9999. %



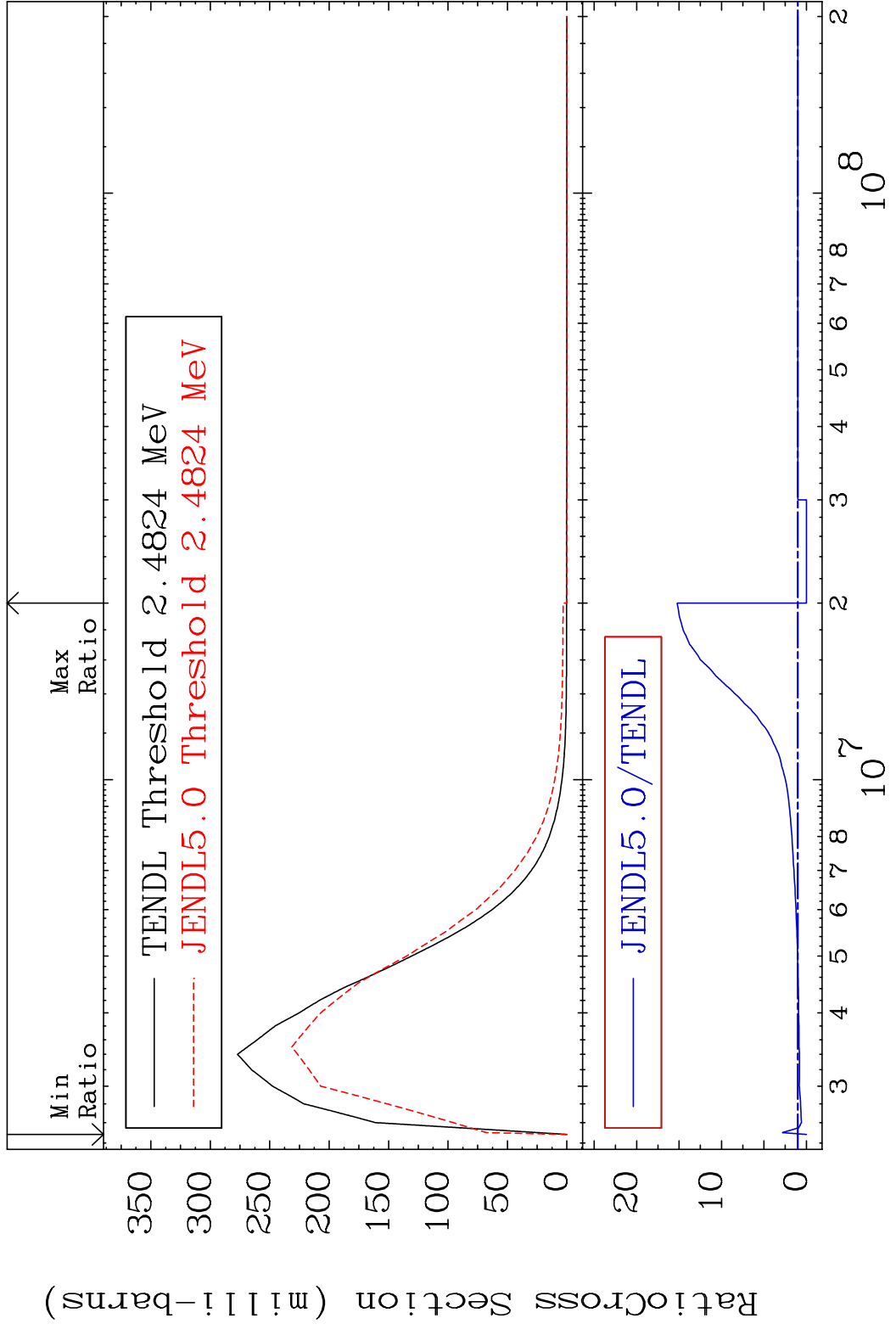
MAT 2031 MT= 51 (n, n') Level 20-Ca-42
 Cross Section -100.0 To 5.167 %



MAT 2031 MT= 52 (n, n') Level 20-Ca-42
 Cross Section -100.0 To 9744. %

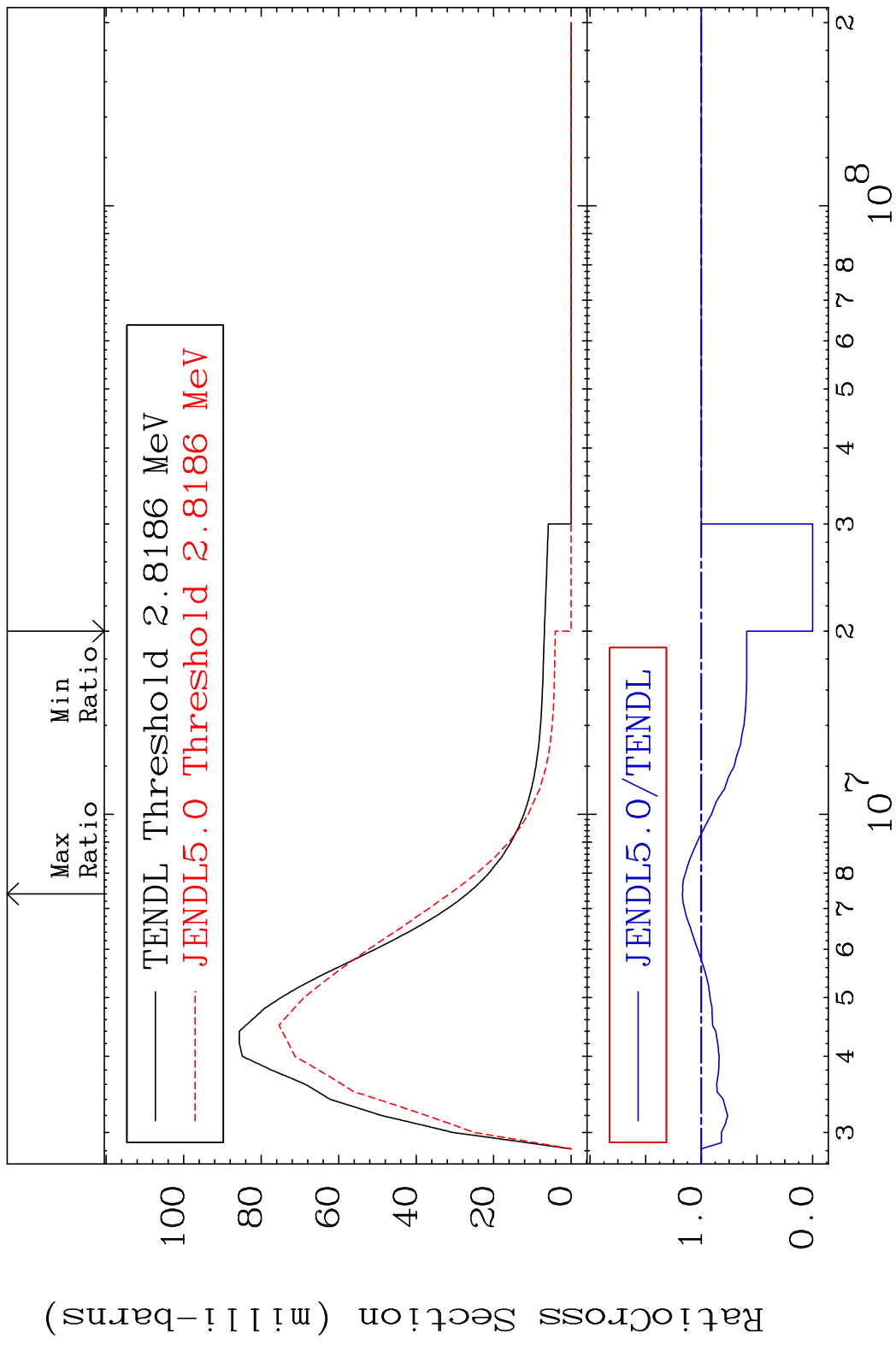


MAT 2031 MT= 53 (n, n') Level 20-Ca-42
 Cross Section -100.0 To 1423. %



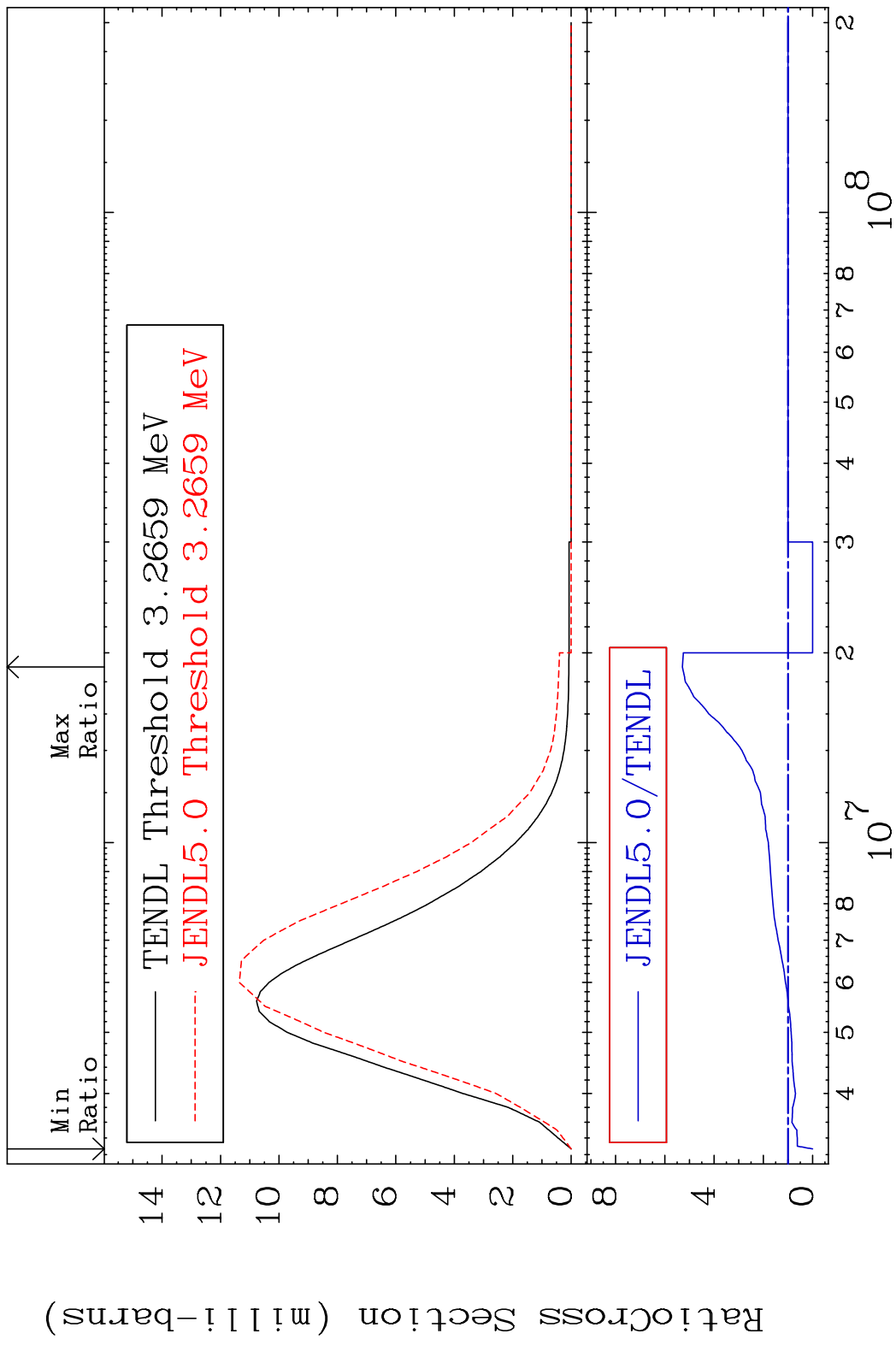
10 20 30 40 50 60 70 80 90 100

MAT 2031 MT= 54 (n, n') Level 20-Ca-42
 Cross Section -100.0 To 17.02 %

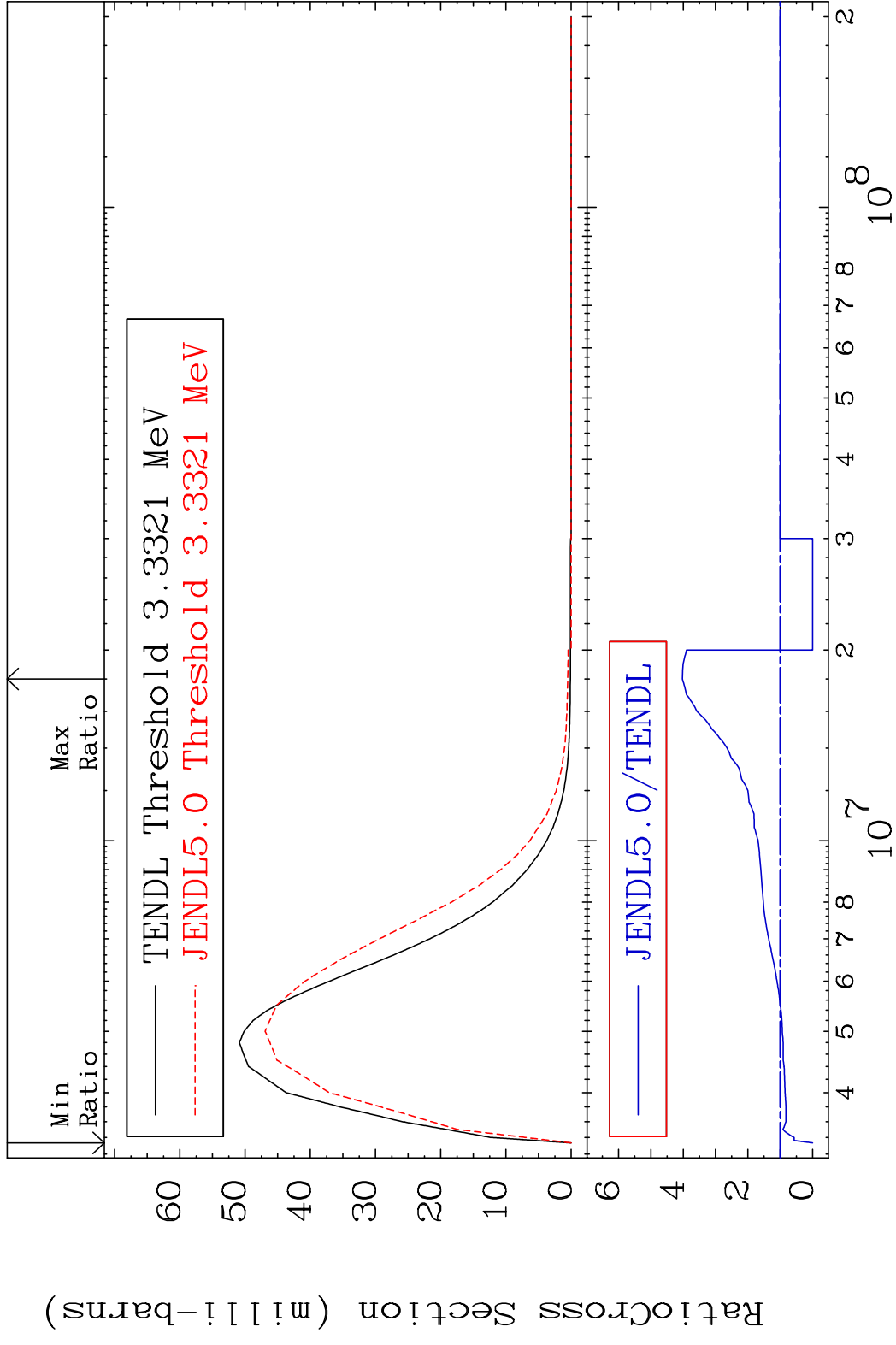


11 Incident Energy (eV) 20-Ca-42

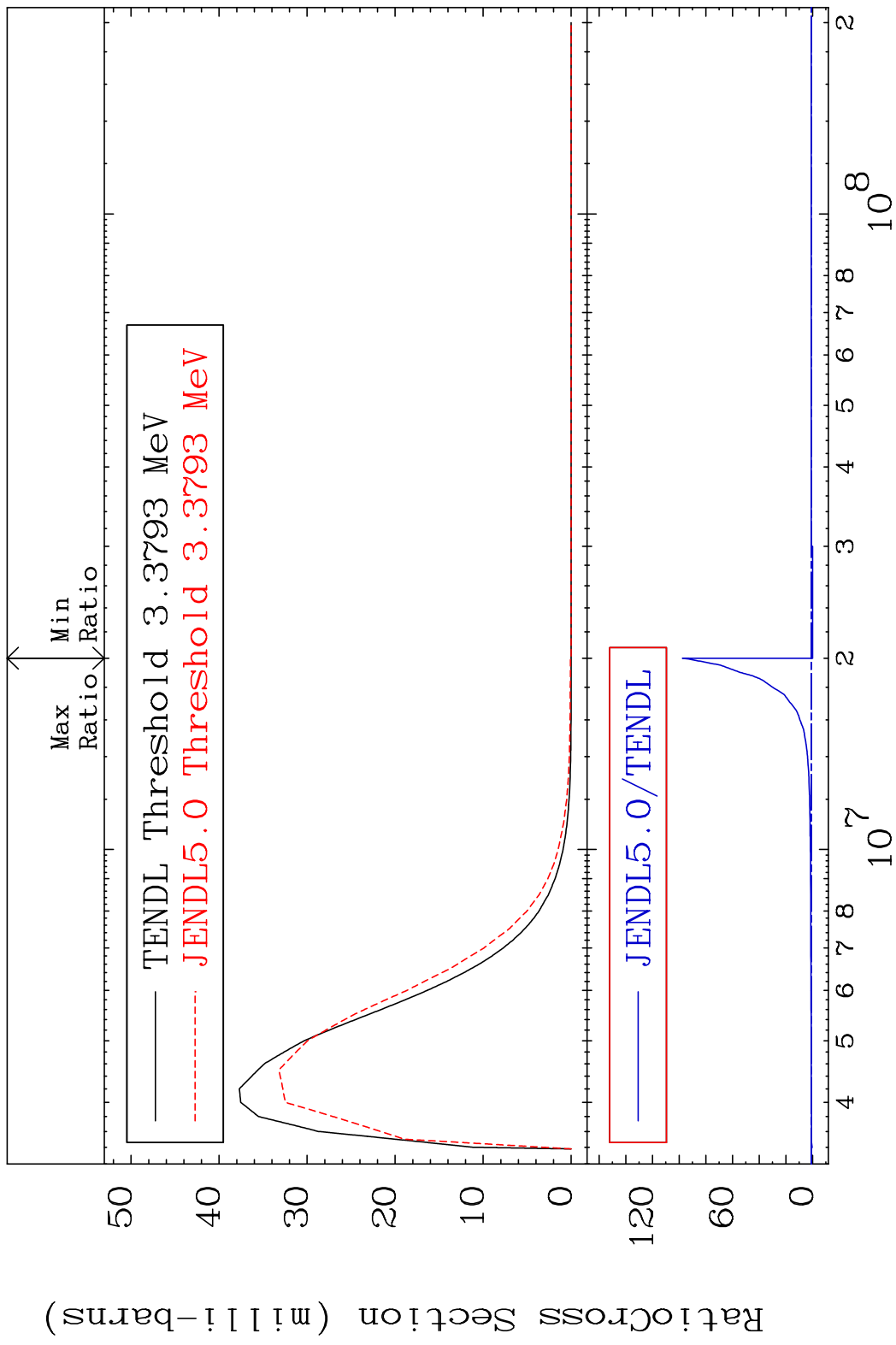
MAT 2031 MT= 55 (n, n') Level 20-Ca-42
 Cross Section -100.0 To 429.0 %



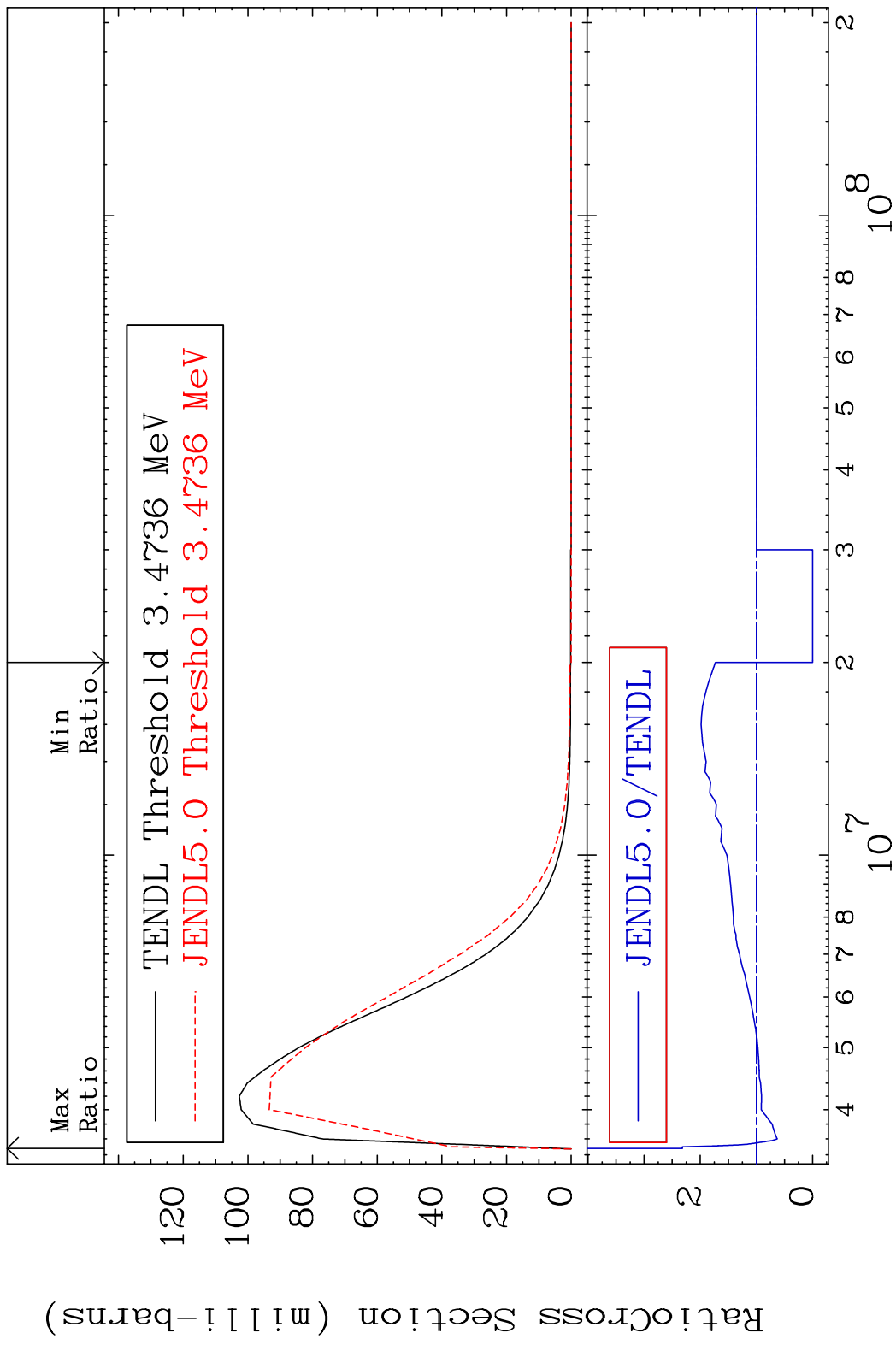
MAT 2031 MT= 56 (n, n') Level 20-Ca-42
 Cross Section -100.0 To 302.7 %



MAT 2031 MT= 57 (n, n') Level 20-Ca-42
 Cross Section -100.0 To 9661. %

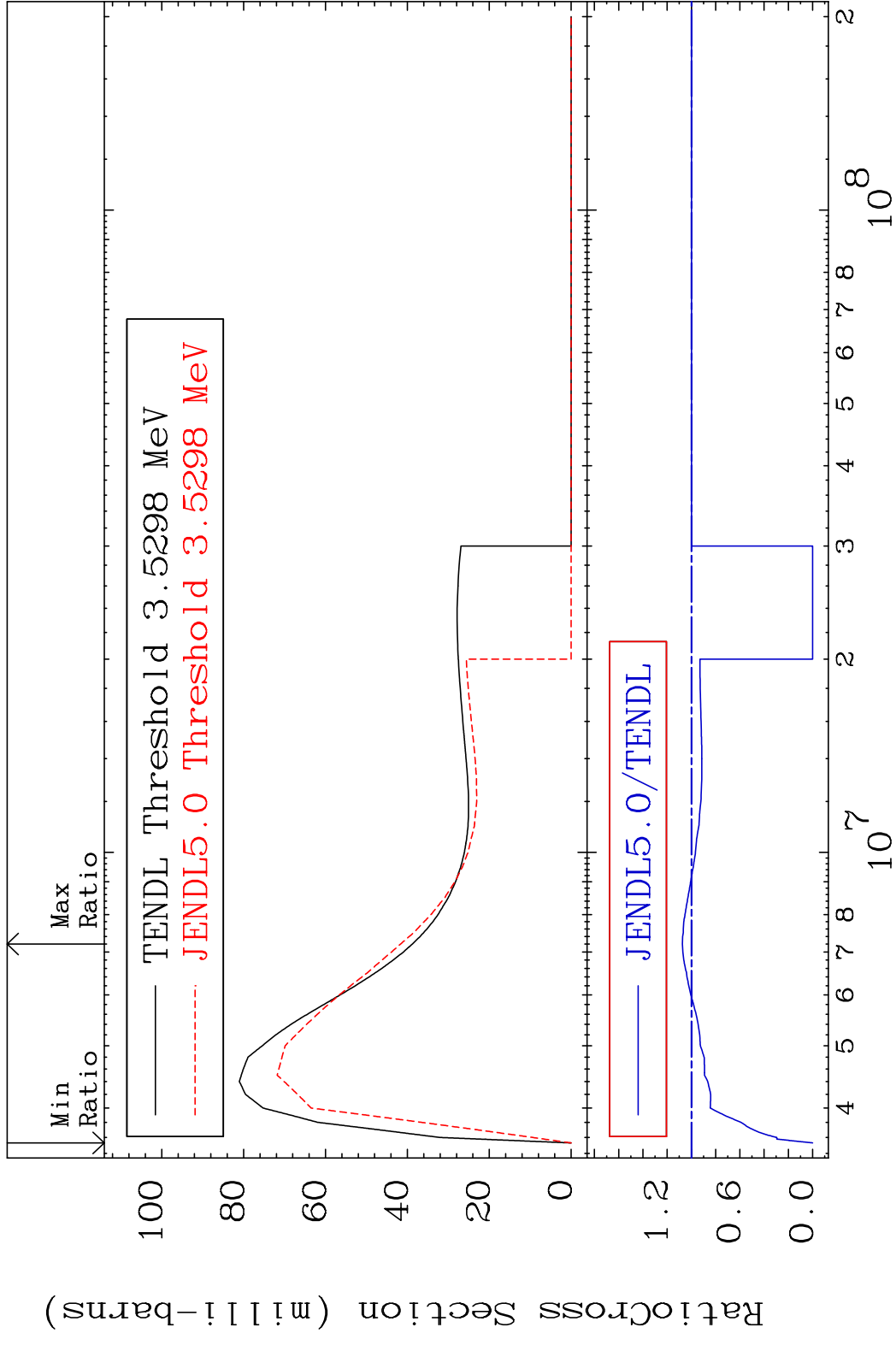


MAT 2031 MT= 58 (n,n') Level 20-Ca-42
 Cross Section -100.0 To 131.9 %

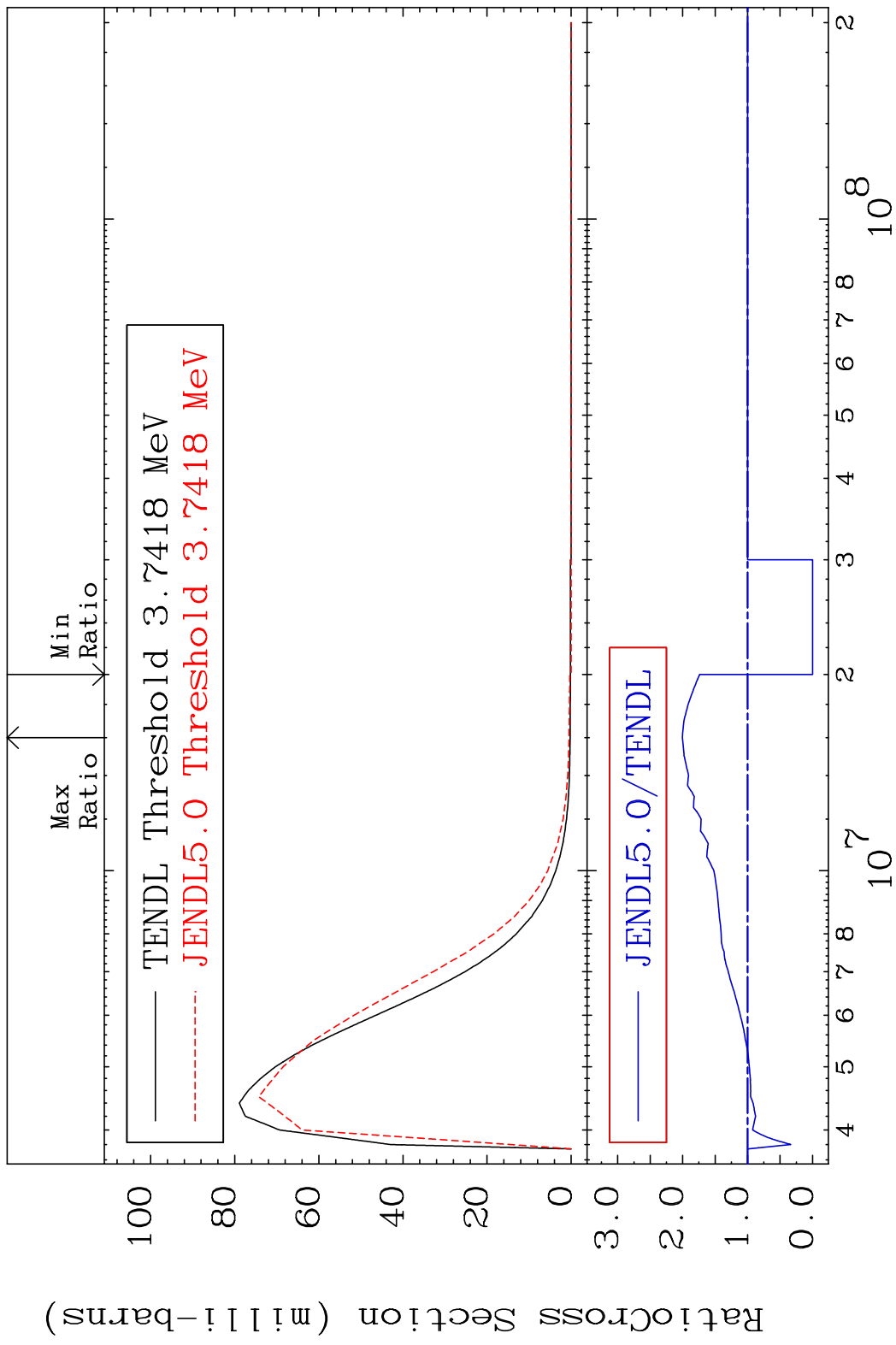


15 20-Ca-42

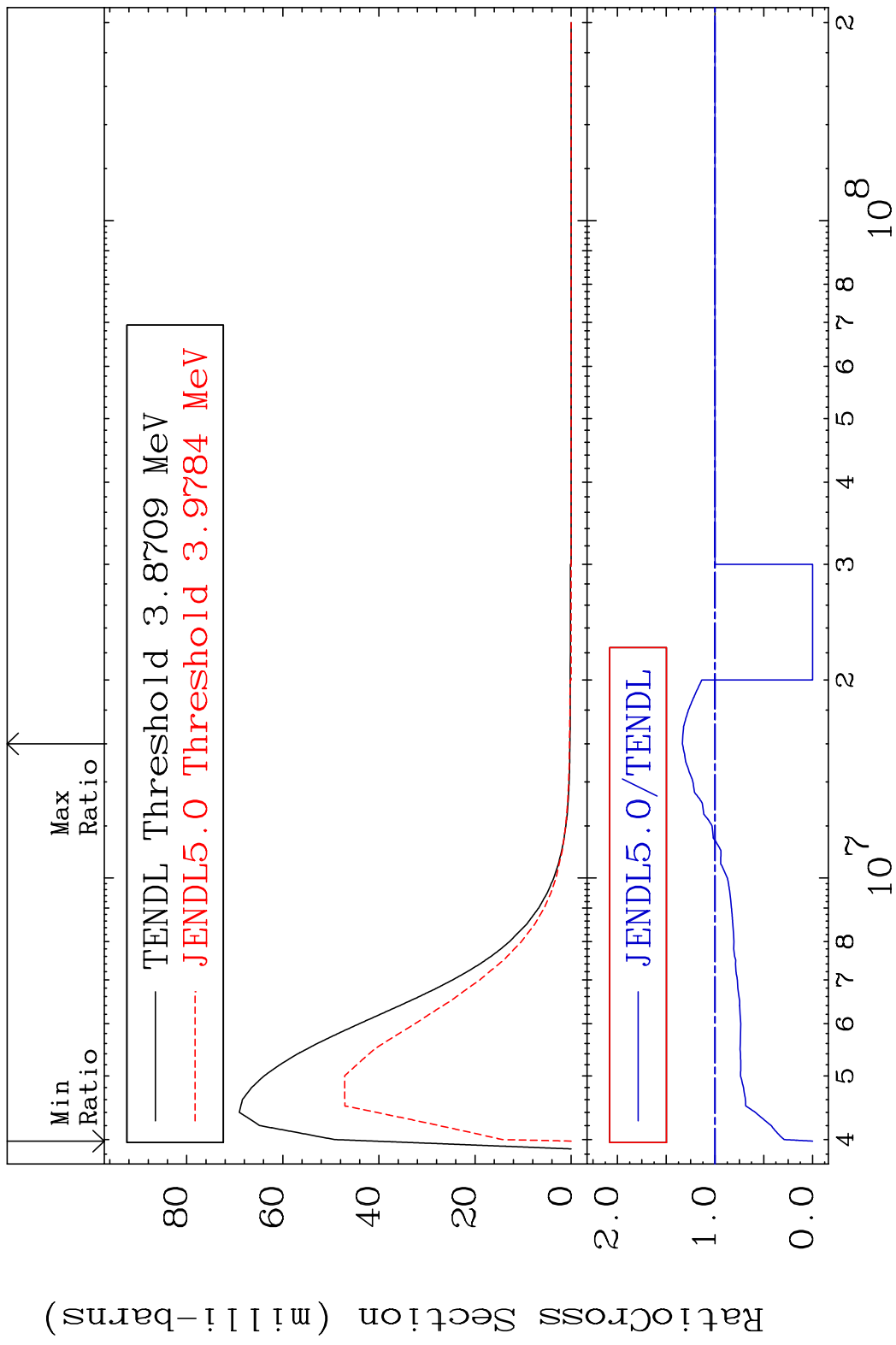
MAT 2031 MT= 59 (n,n') Level 20-Ca-42
 Cross Section -100.0 To 7.464 %



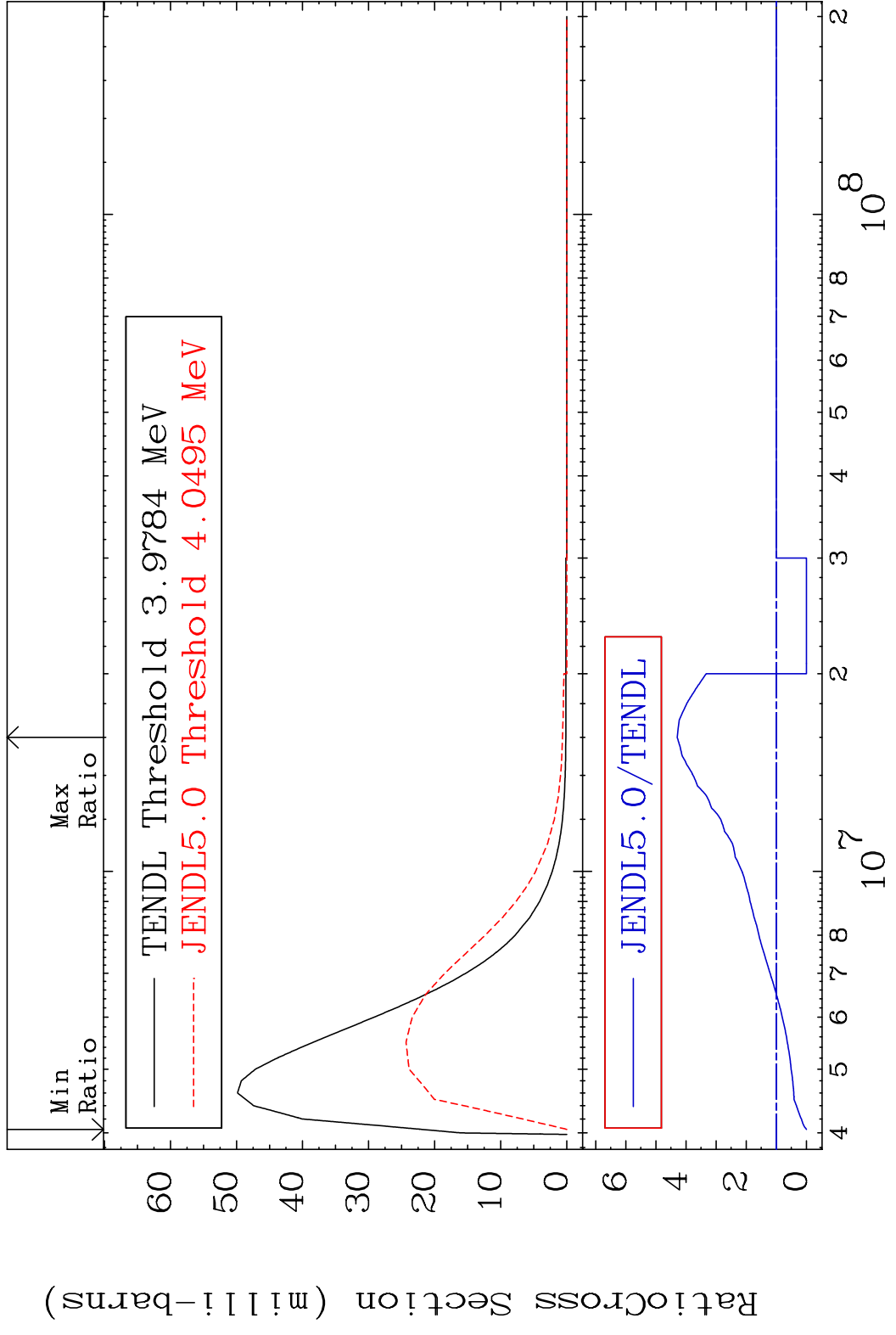
MAT 2031 MT= 60 (n, n') Level 20-Ca-42
 Cross Section -100.0 To 100.5 %



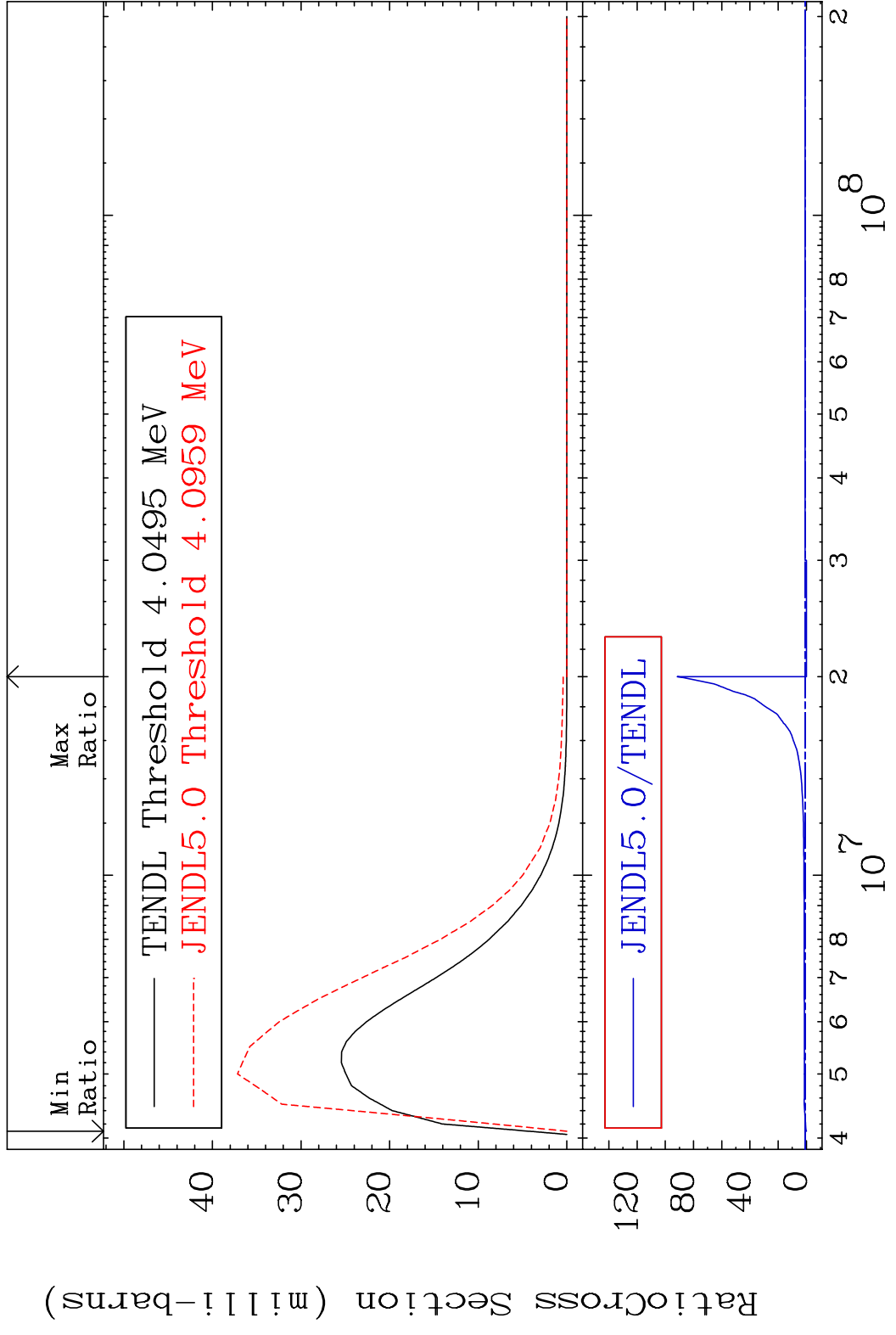
MAT 2031 MT= 61 (n, n') Level 20-Ca-42
 Cross Section -100.0 To 33.49 %



MAT 2031 MT= 62 (n,n') Level 20-Ca-42
 Cross Section -100.0 To 329.2 %

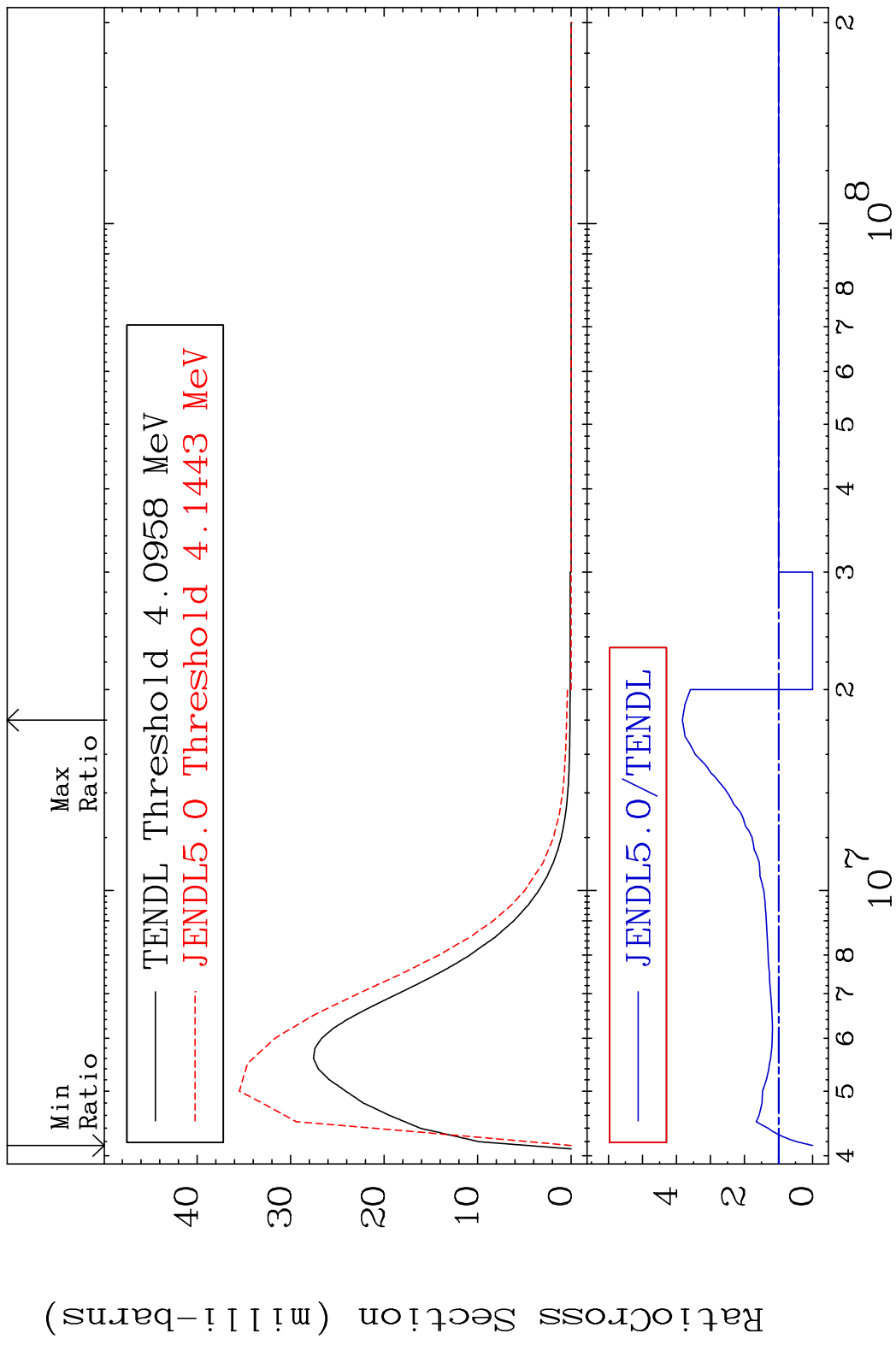


MAT 2031 MT= 63 (n,n') Level 20-Ca-42
 Cross Section -100.0 To 9058. %

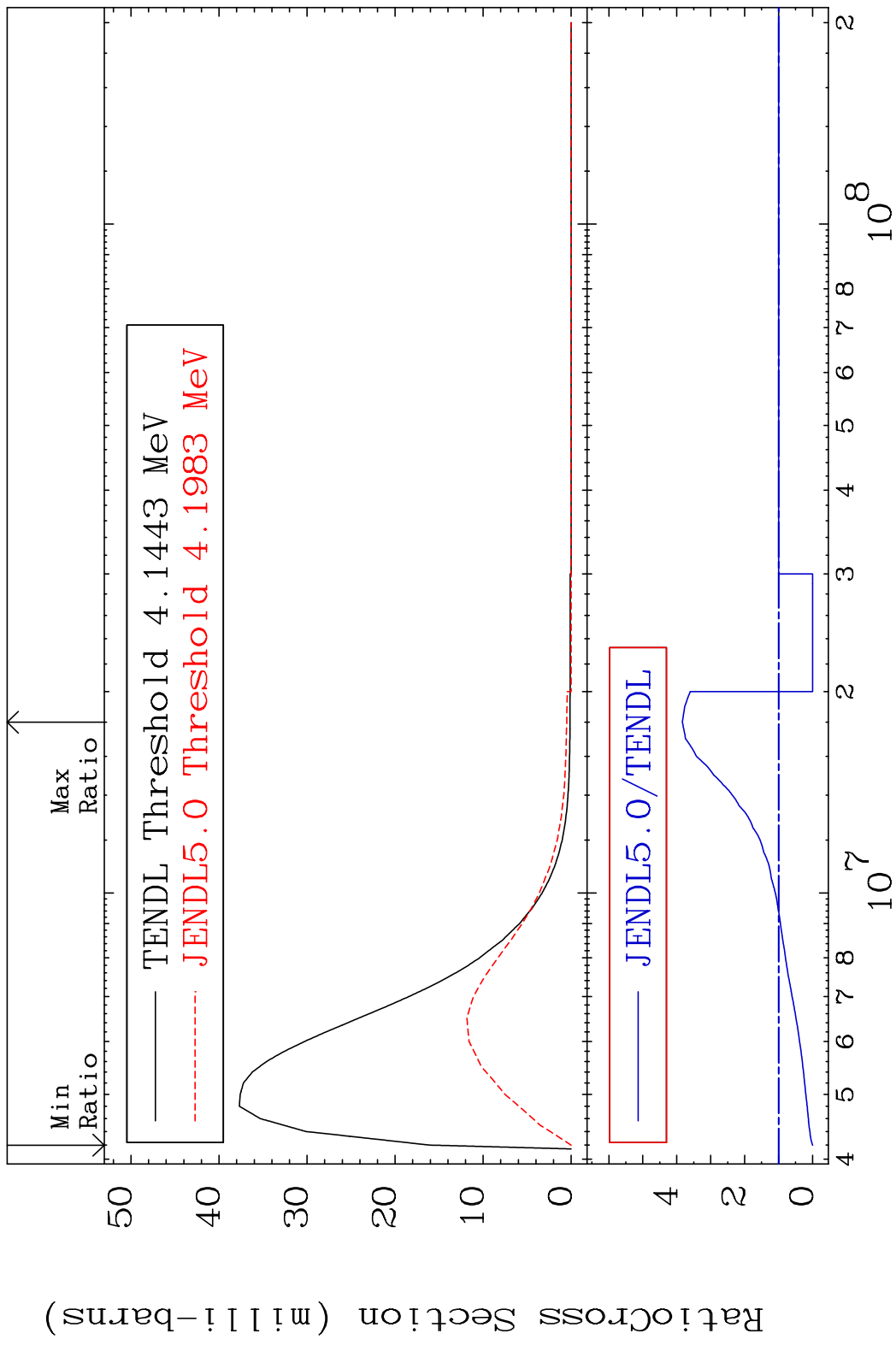


20 Incident Energy (eV) 20-Ca-42

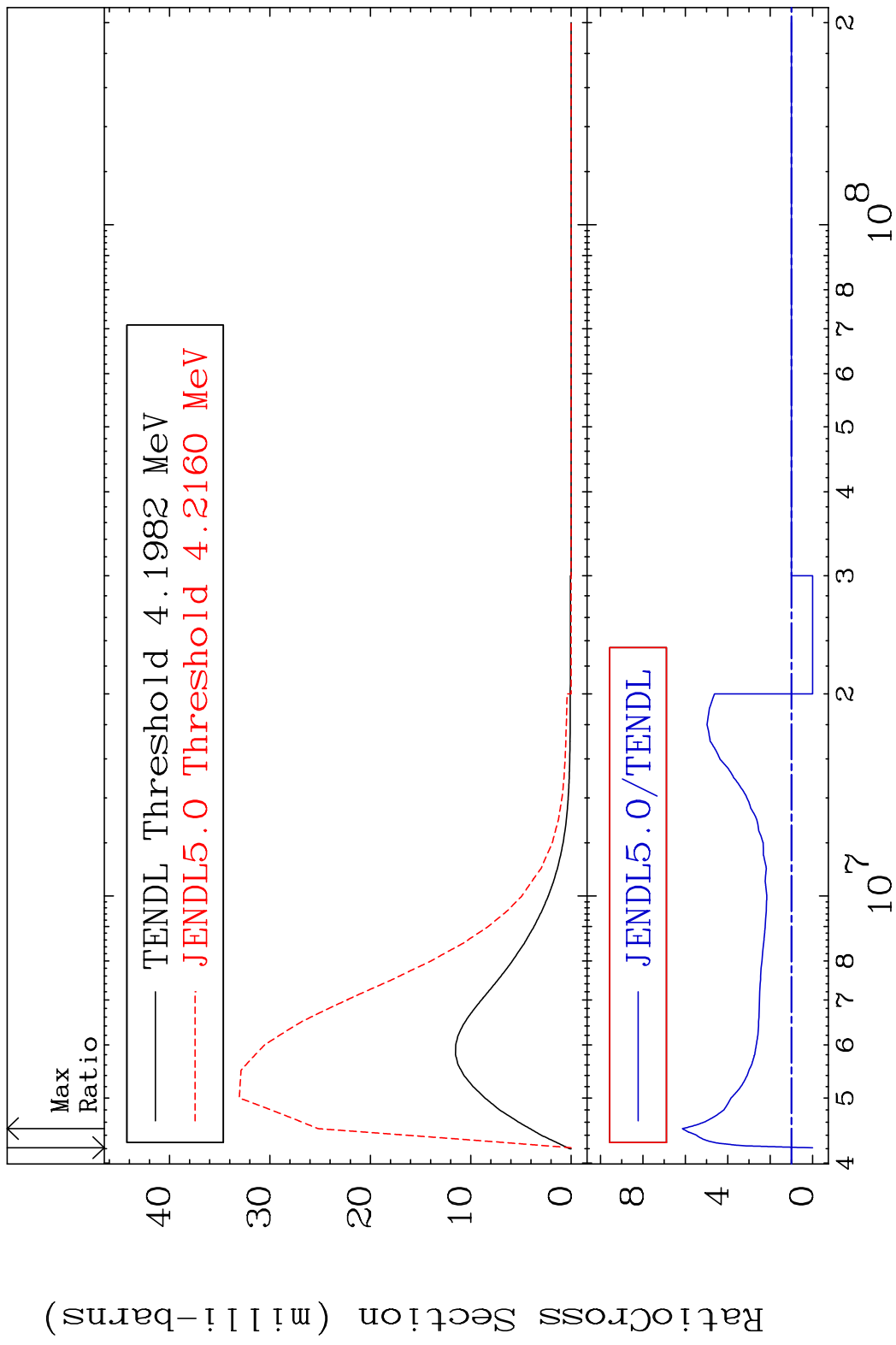
MAT 2031 MT= 64 (n,n') Level 20-Ca-42
 Cross Section -100.0 To 282.8 %



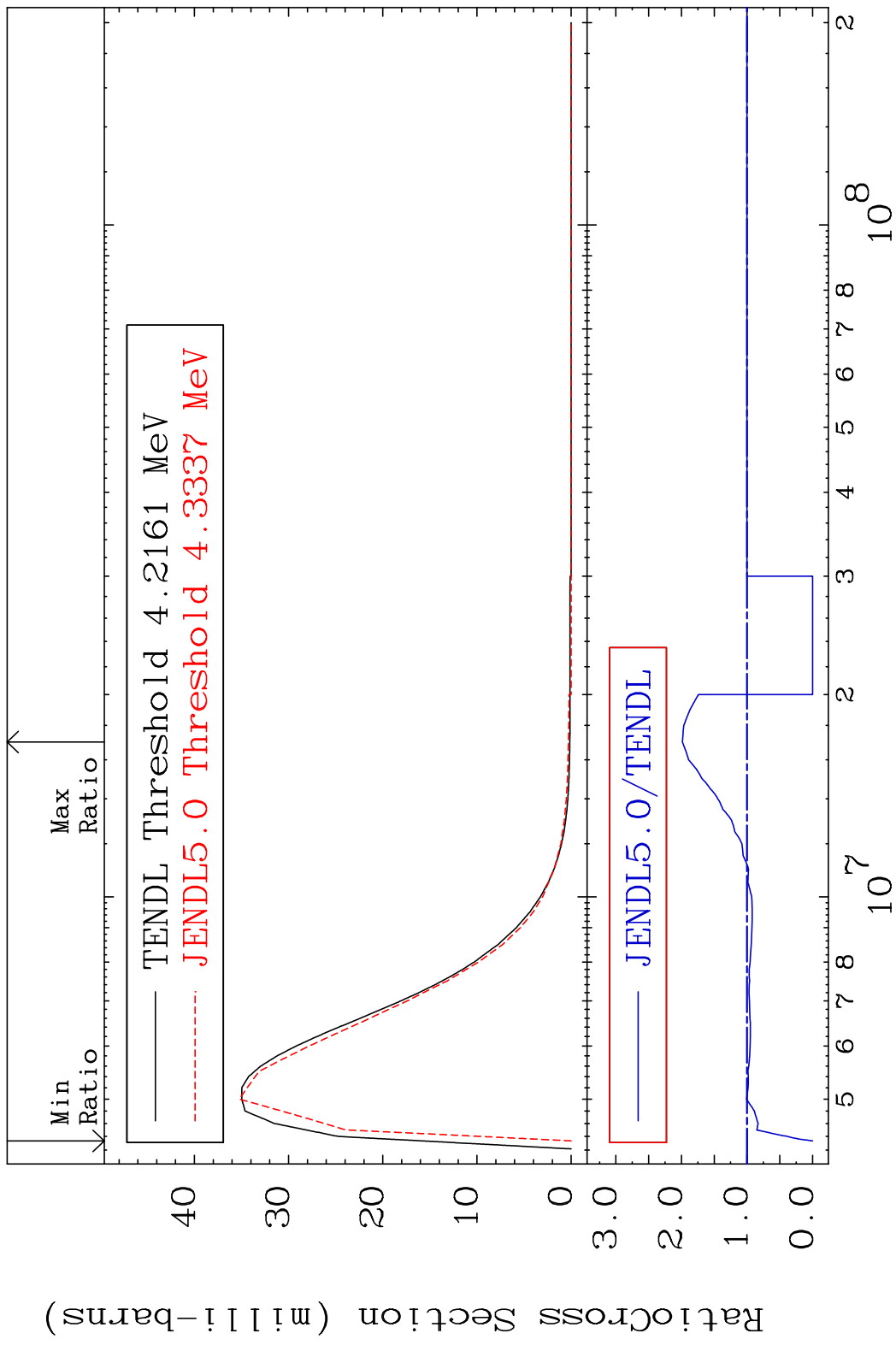
MAT 2031 MT= 65 (n, n') Level 20-Ca-42
 Cross Section -100.0 To 283.5 %



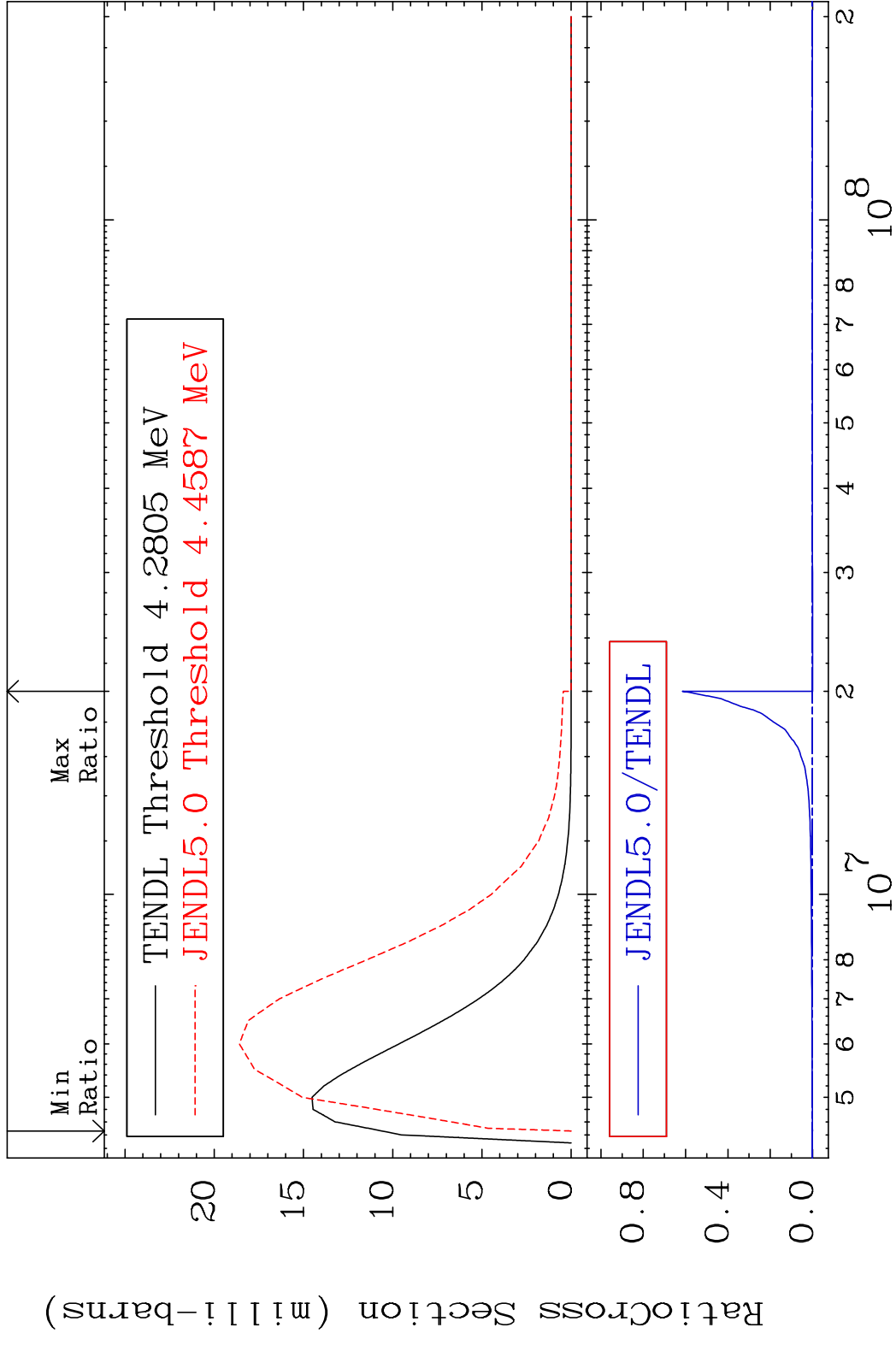
MAT 2031 MT= 66 (n,n') Level 20-Ca-42
 Cross Section -100.0 To 514.1 %



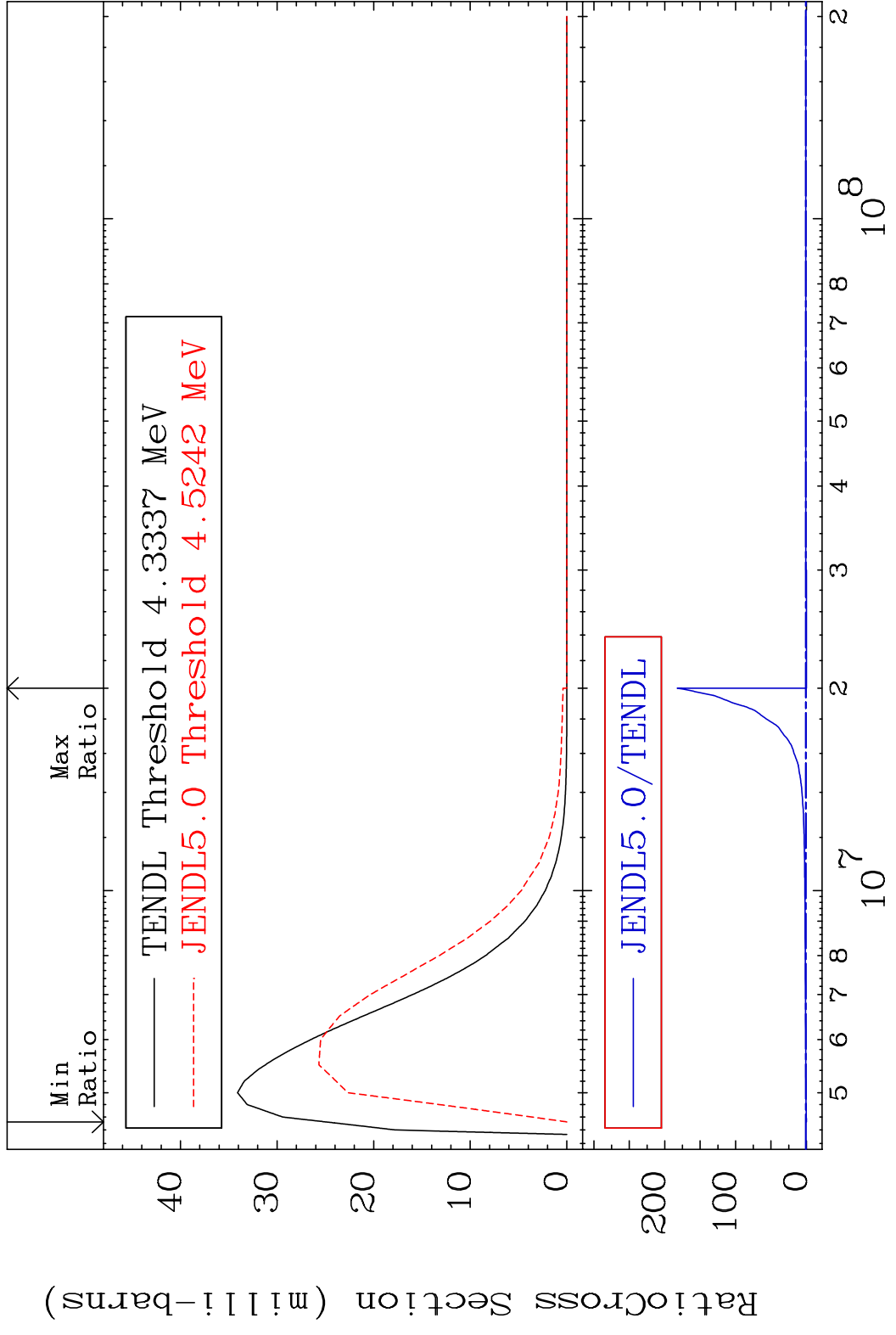
MAT 2031 MT= 67 (n, n') Level 20-Ca-42
 Cross Section -100.0 To 98.62 %



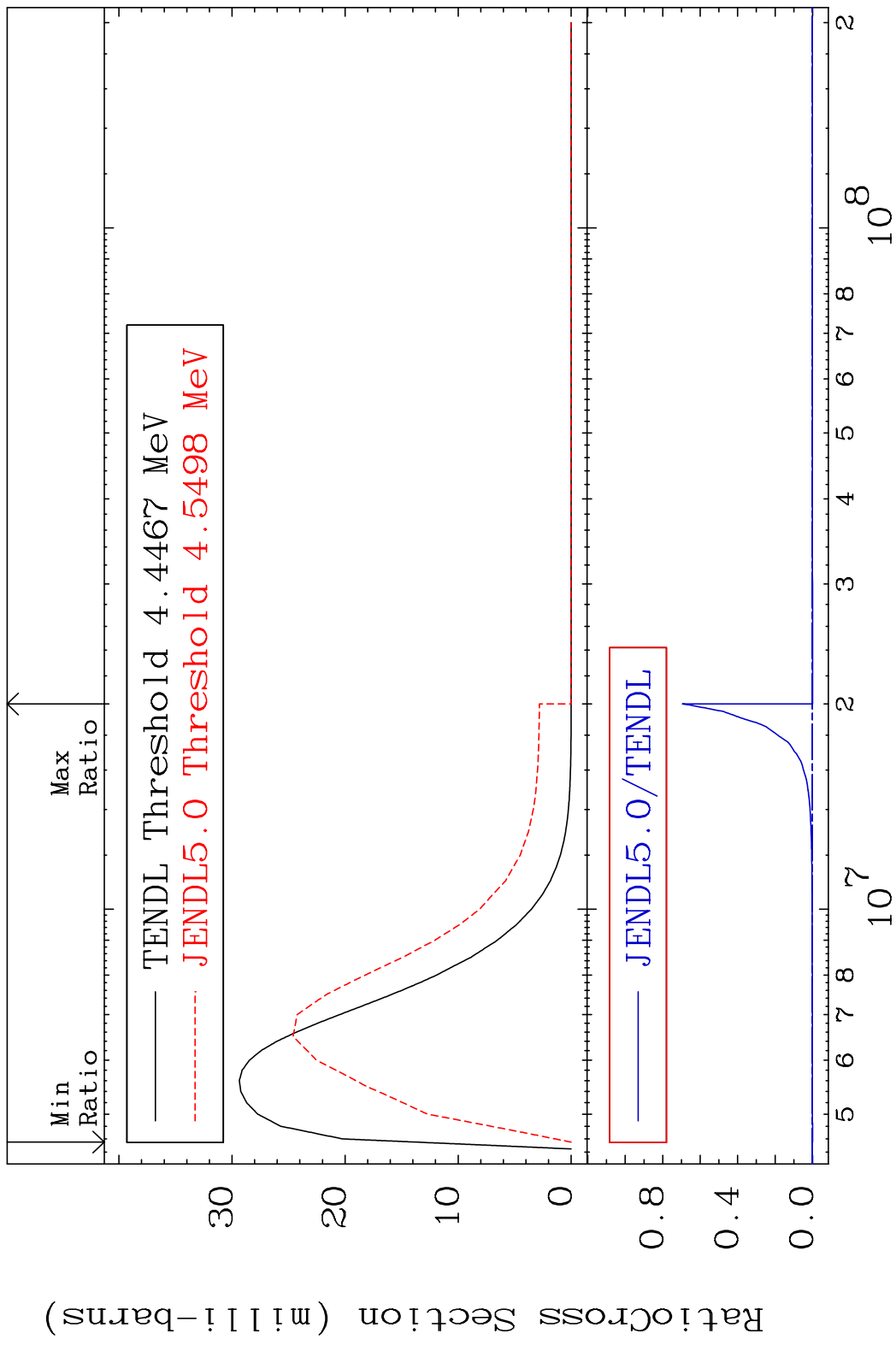
MAT 2031 MT= 68 (n, n') Level 20-Ca-42
 Cross Section -100.0 To 9999. %



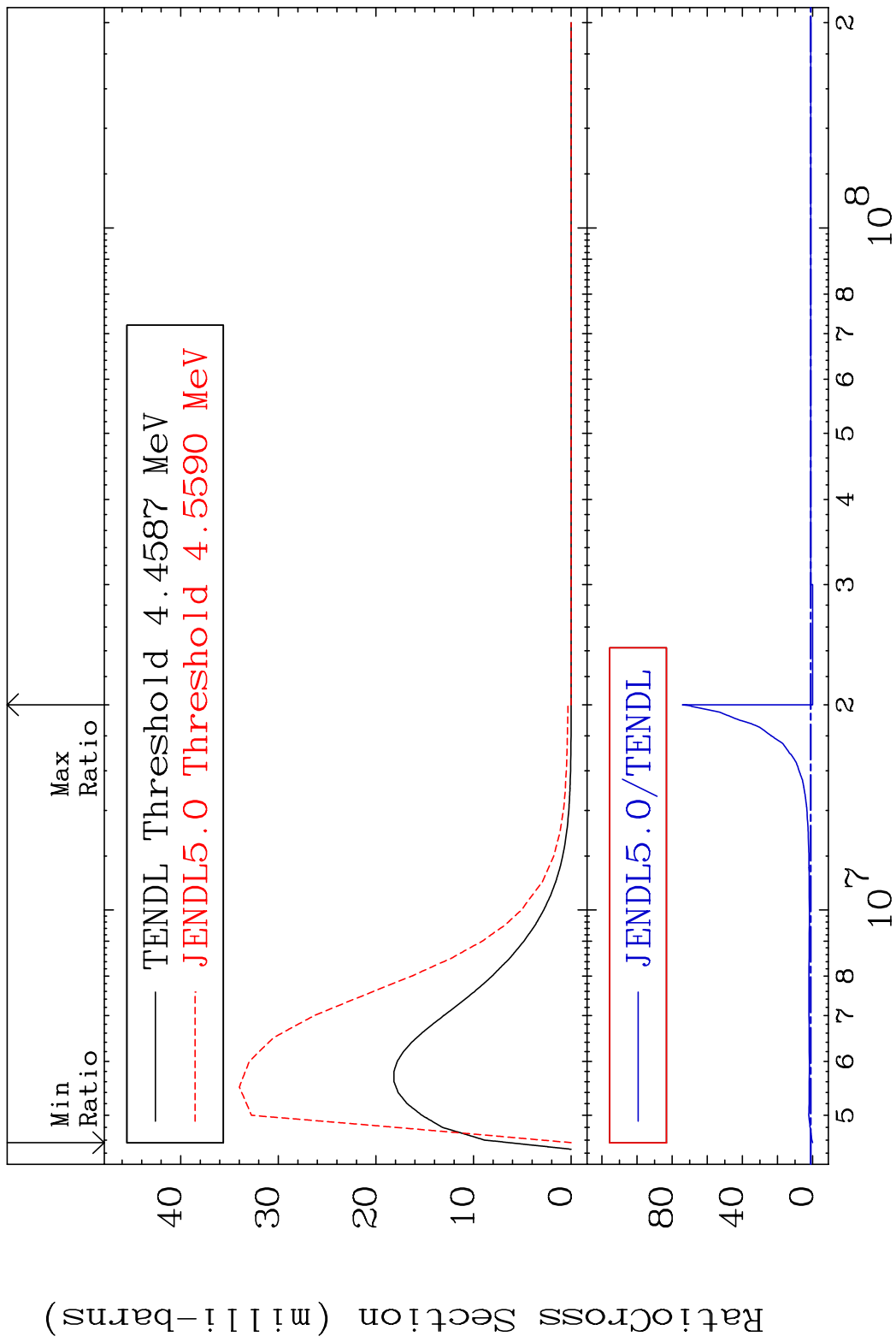
MAT 2031 MT= 69 (n, n') Level 20-Ca-42
 Cross Section -100.0 To 9999. %



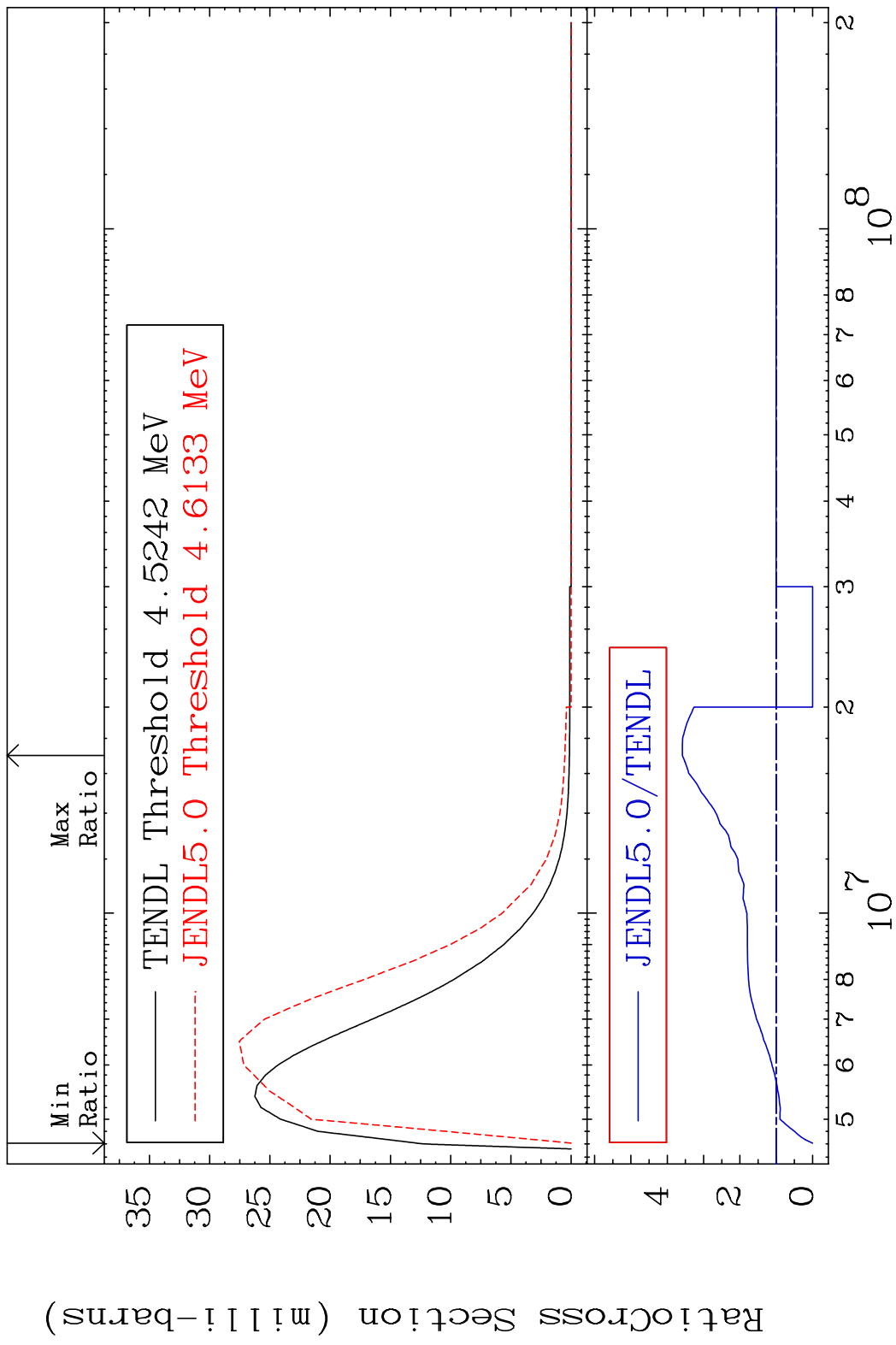
MAT 2031 MT= 70 (n,n') Level 20-Ca-42
 Cross Section -100.0 To 9999. %



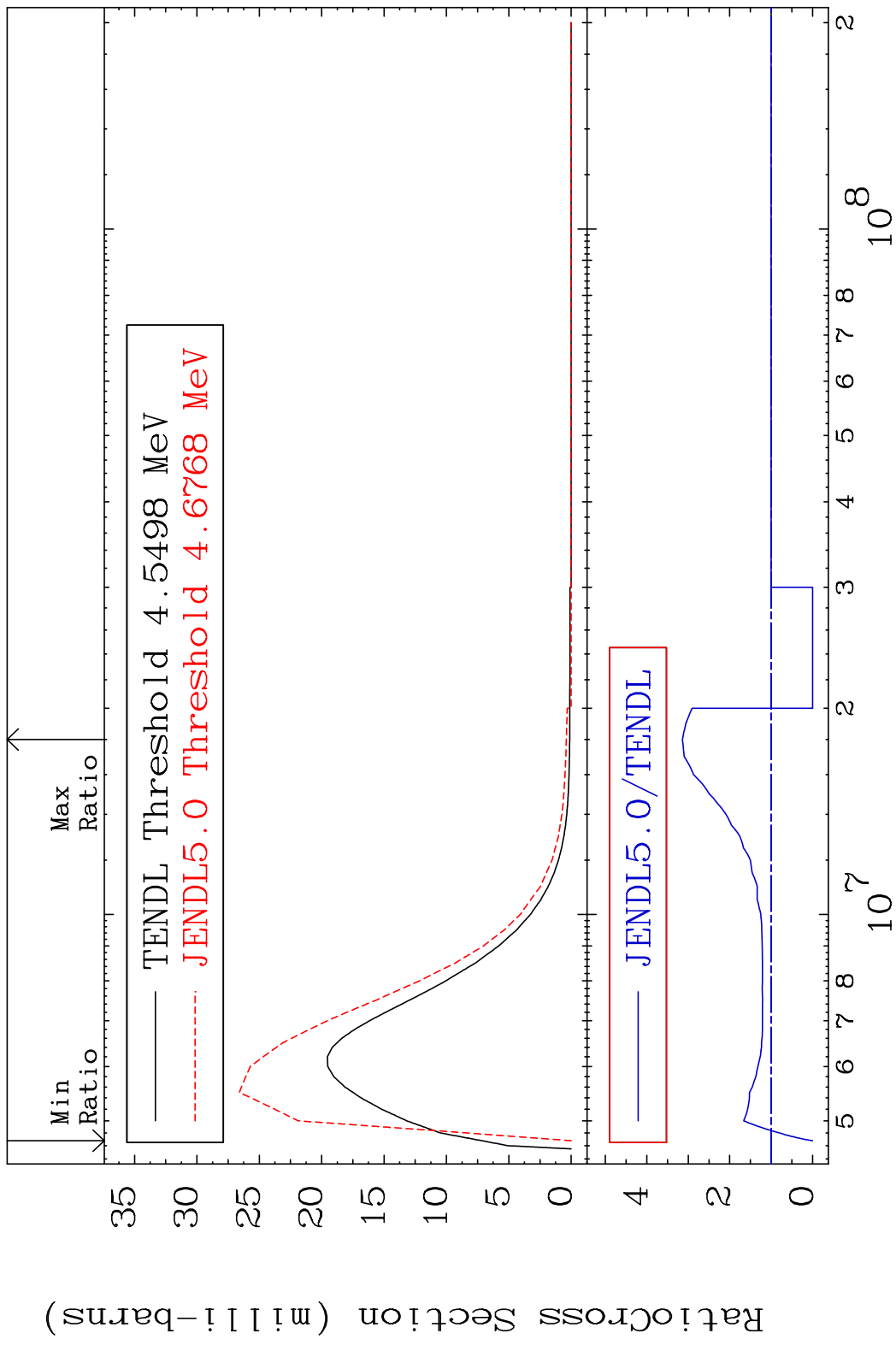
MAT 2031 MT= 71 (n, n') Level 20-Ca-42
 Cross Section -100.0 To 7317. %



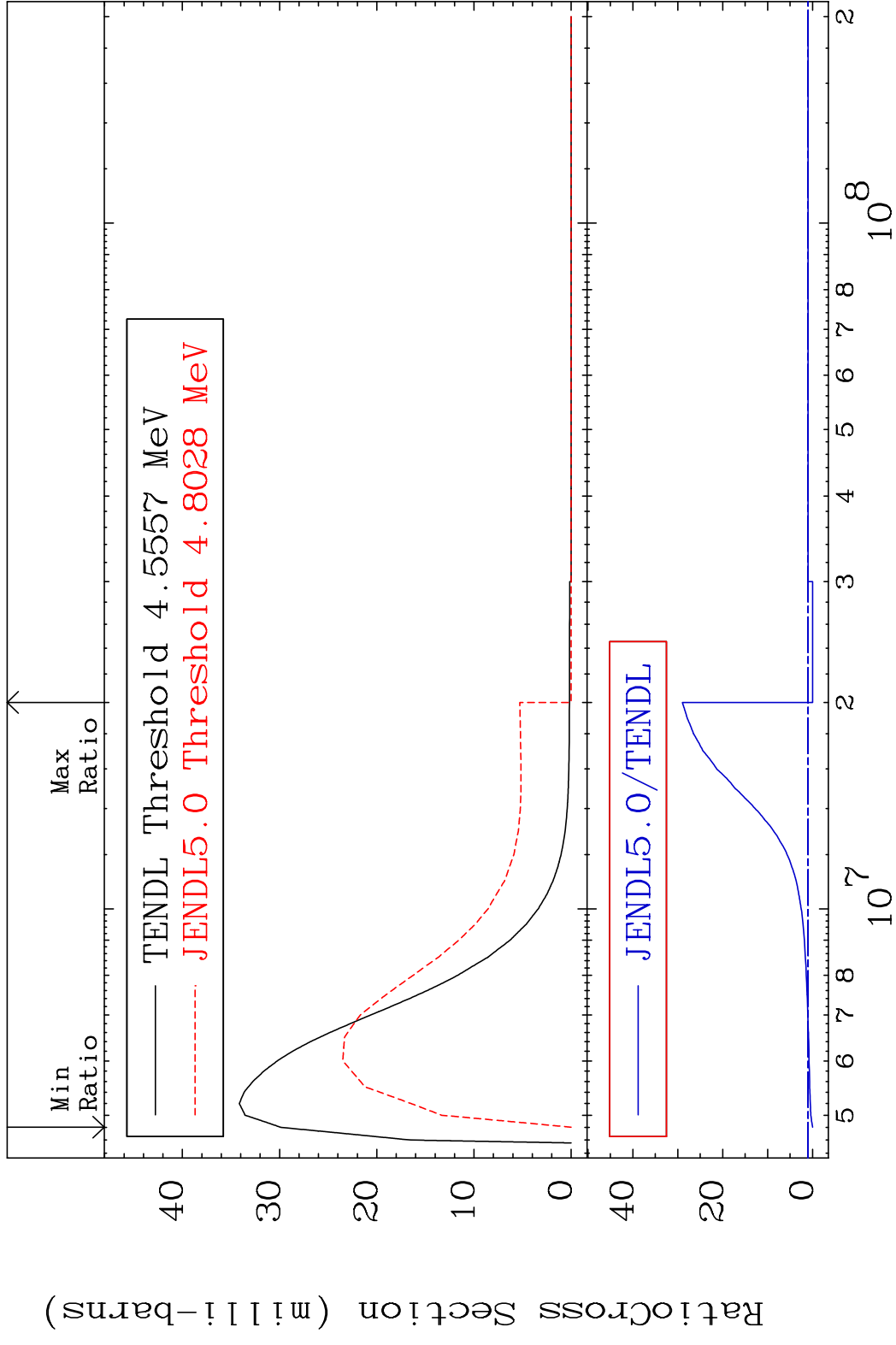
MAT 2031 MT= 72 (n, n') Level 20-Ca-42
 Cross Section -100.0 To 258.4 %



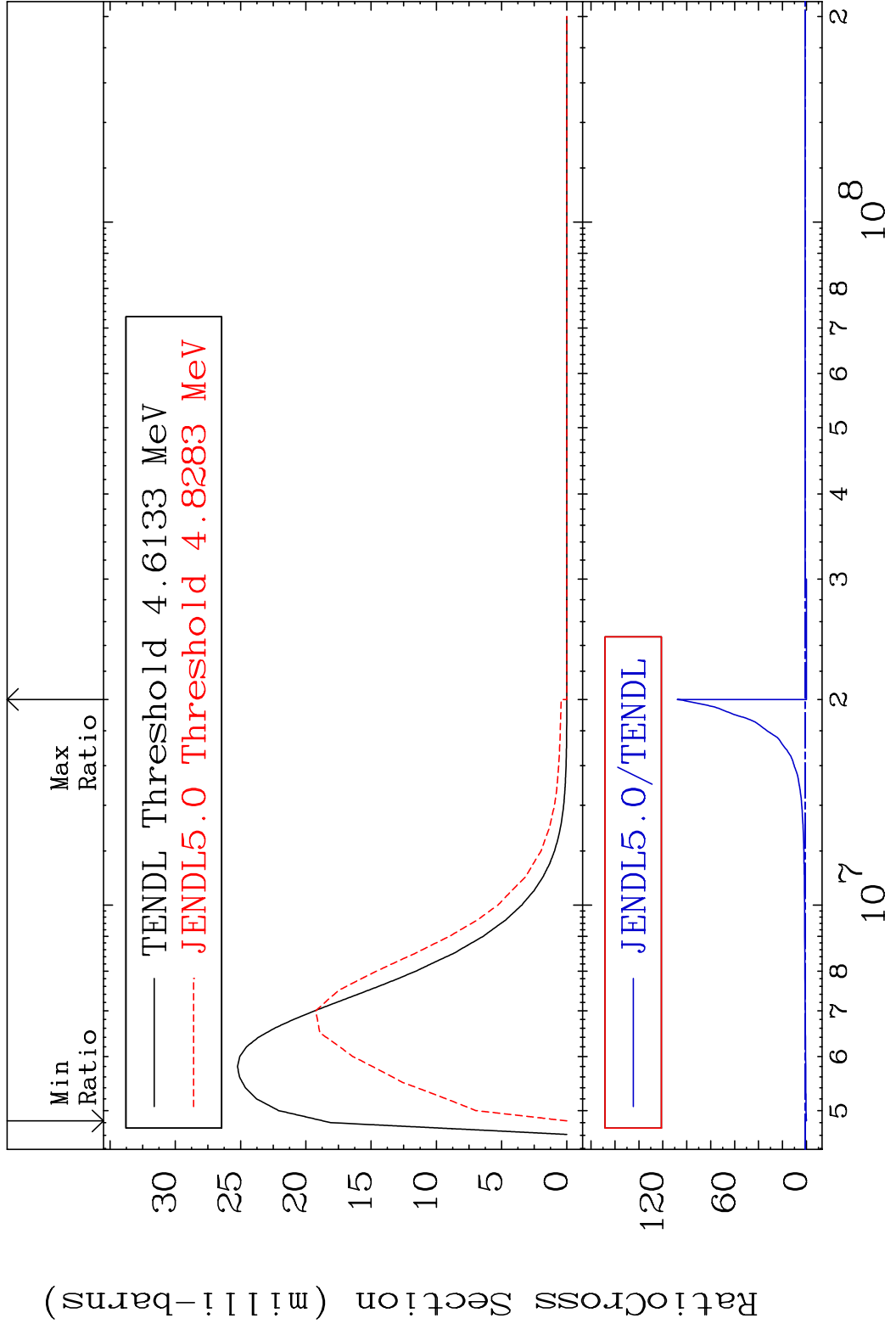
MAT 2031 MT= 73 (n, n') Level 20-Ca-42
 Cross Section -100.0 To 214.2 %



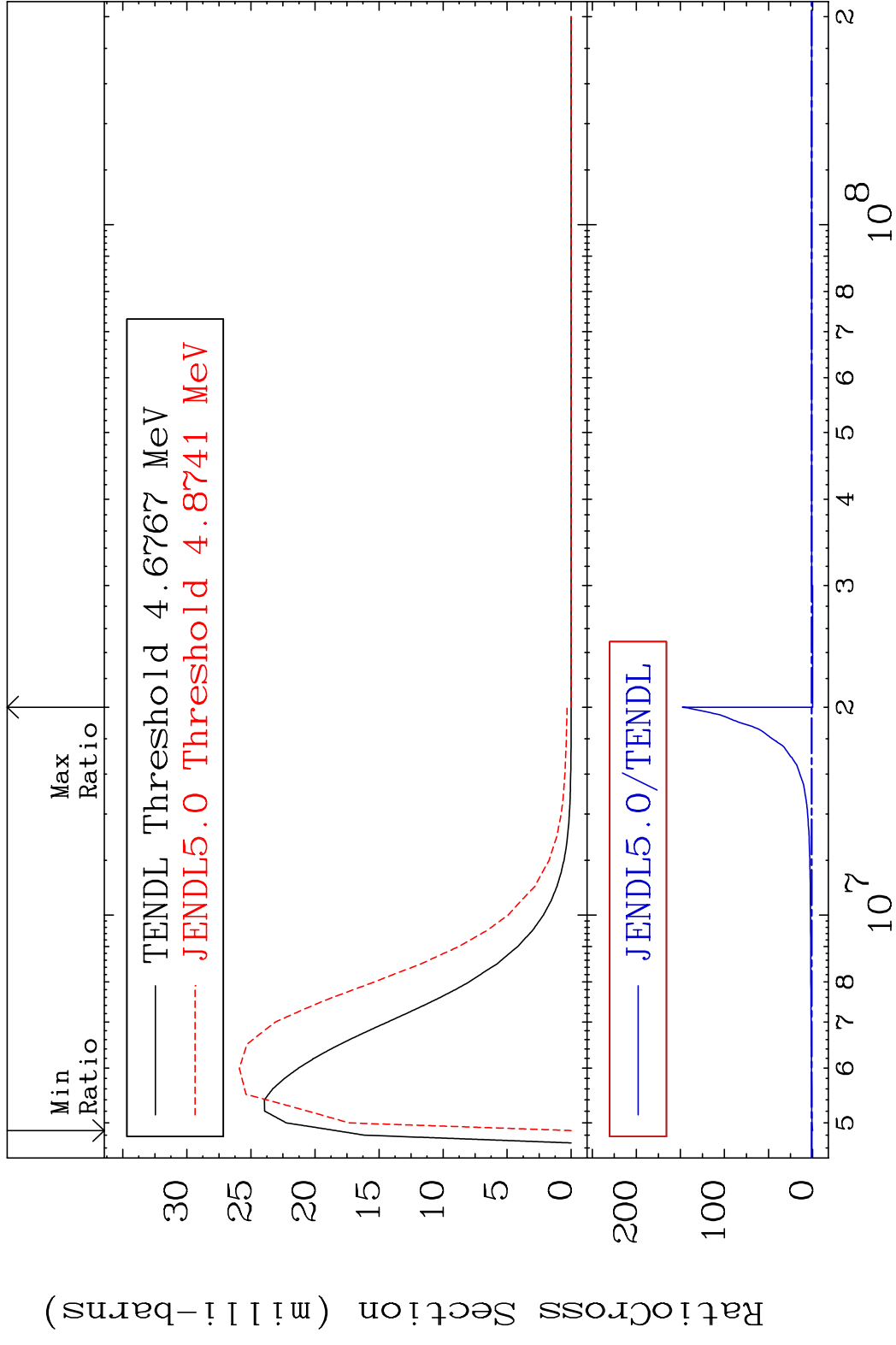
MAT 2031 MT= 74 (n,n') Level 20-Ca-42
 Cross Section -100.0 To 2799. %



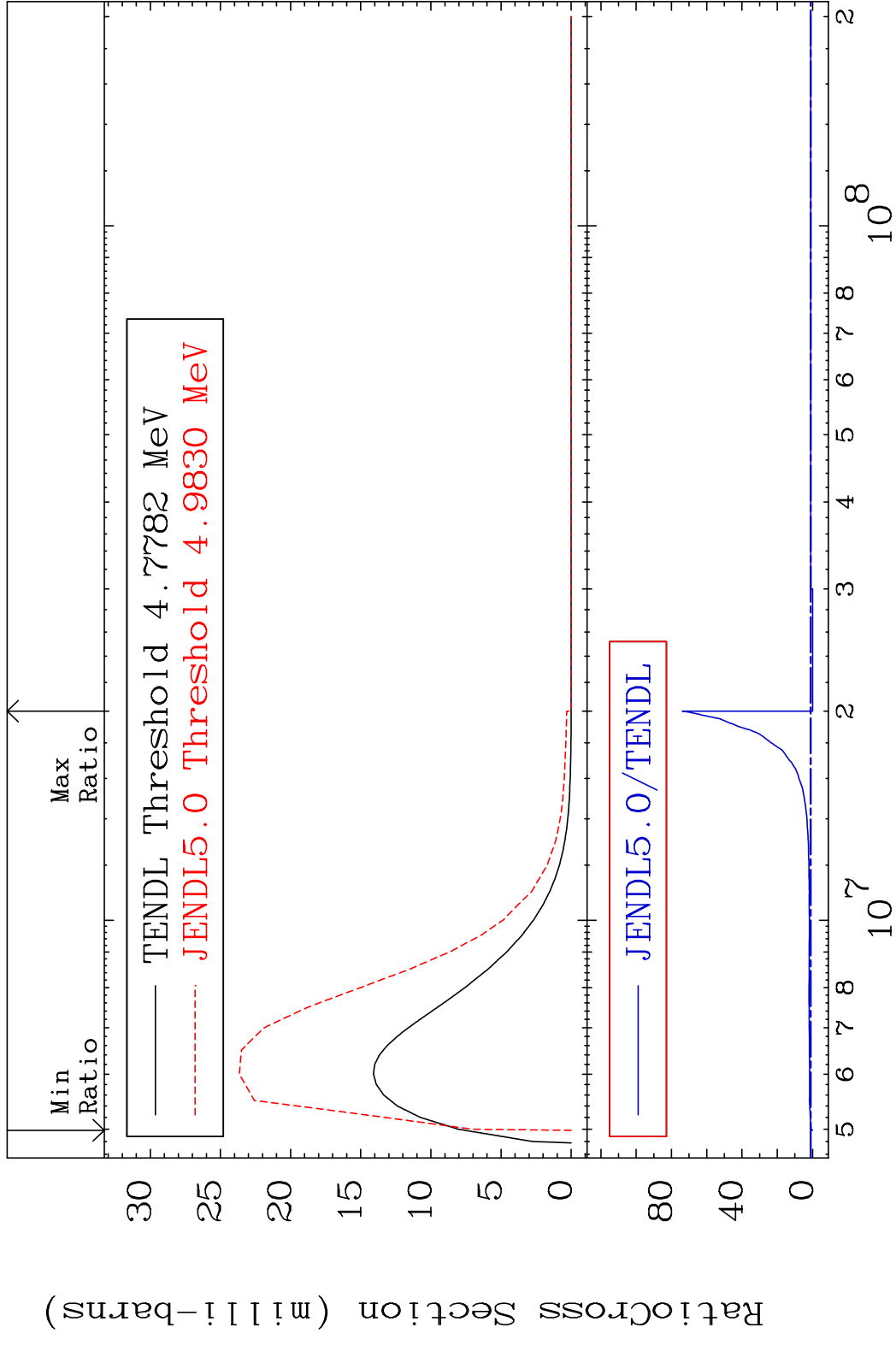
MAT 2031 MT= 75 (n,n') Level 20-Ca-42
 Cross Section -100.0 To 9999. %



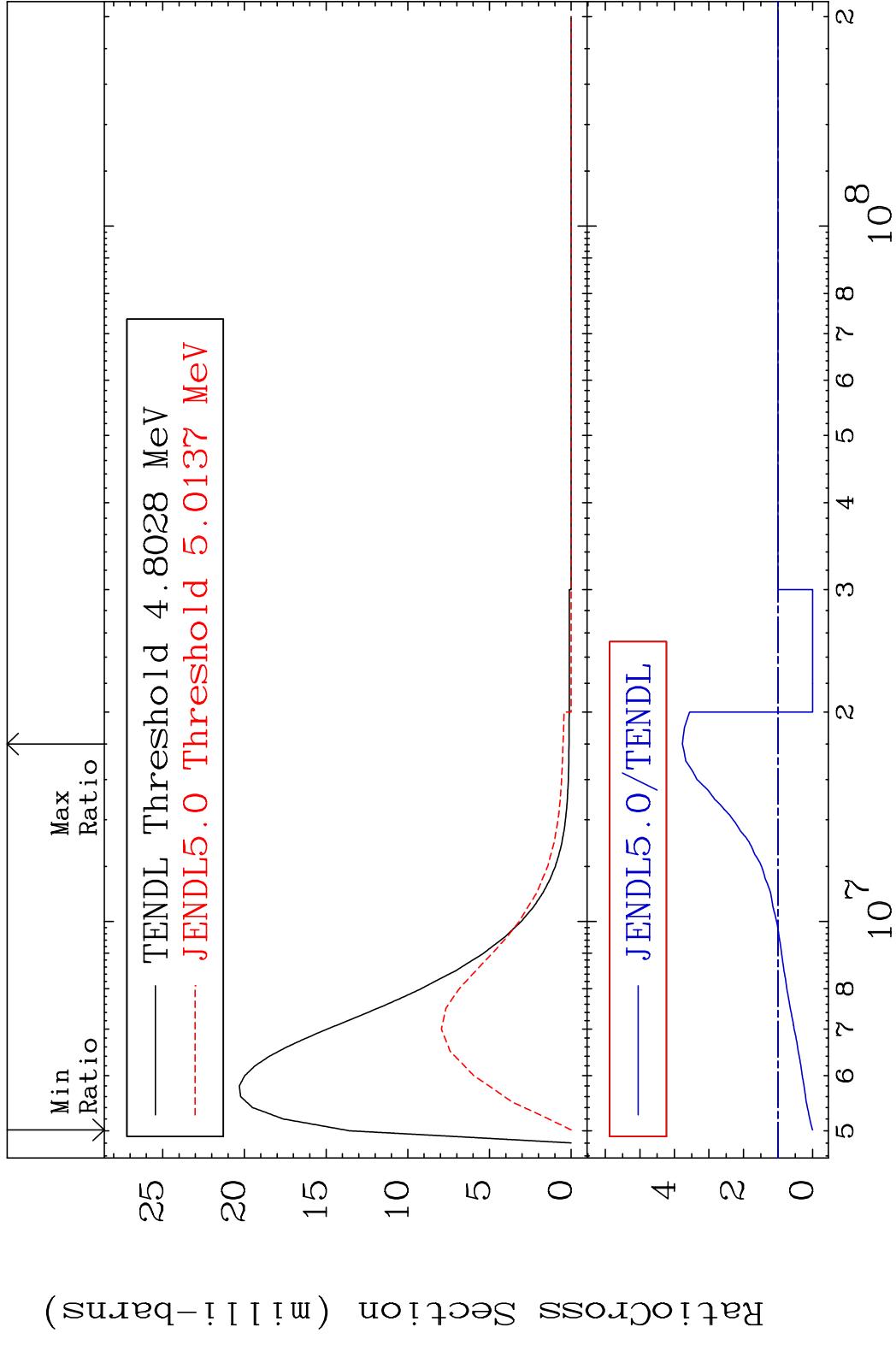
MAT 2031 MT= 76 (n,n') Level 20-Ca-42
 Cross Section -100.0 To 9999. %



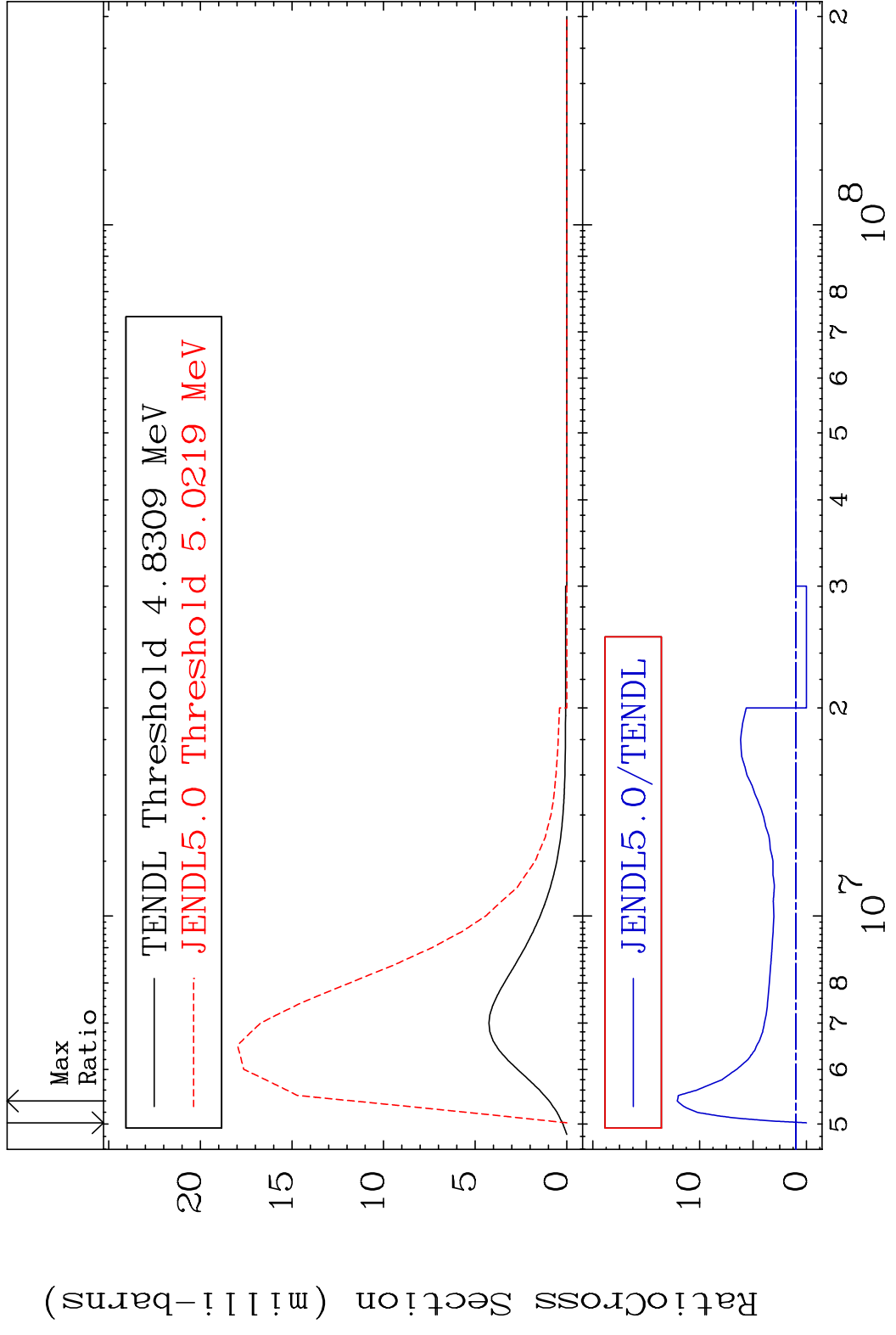
MAT 2031 MT= 77 (n, n') Level 20-Ca-42
 Cross Section -100.0 To 7282. %



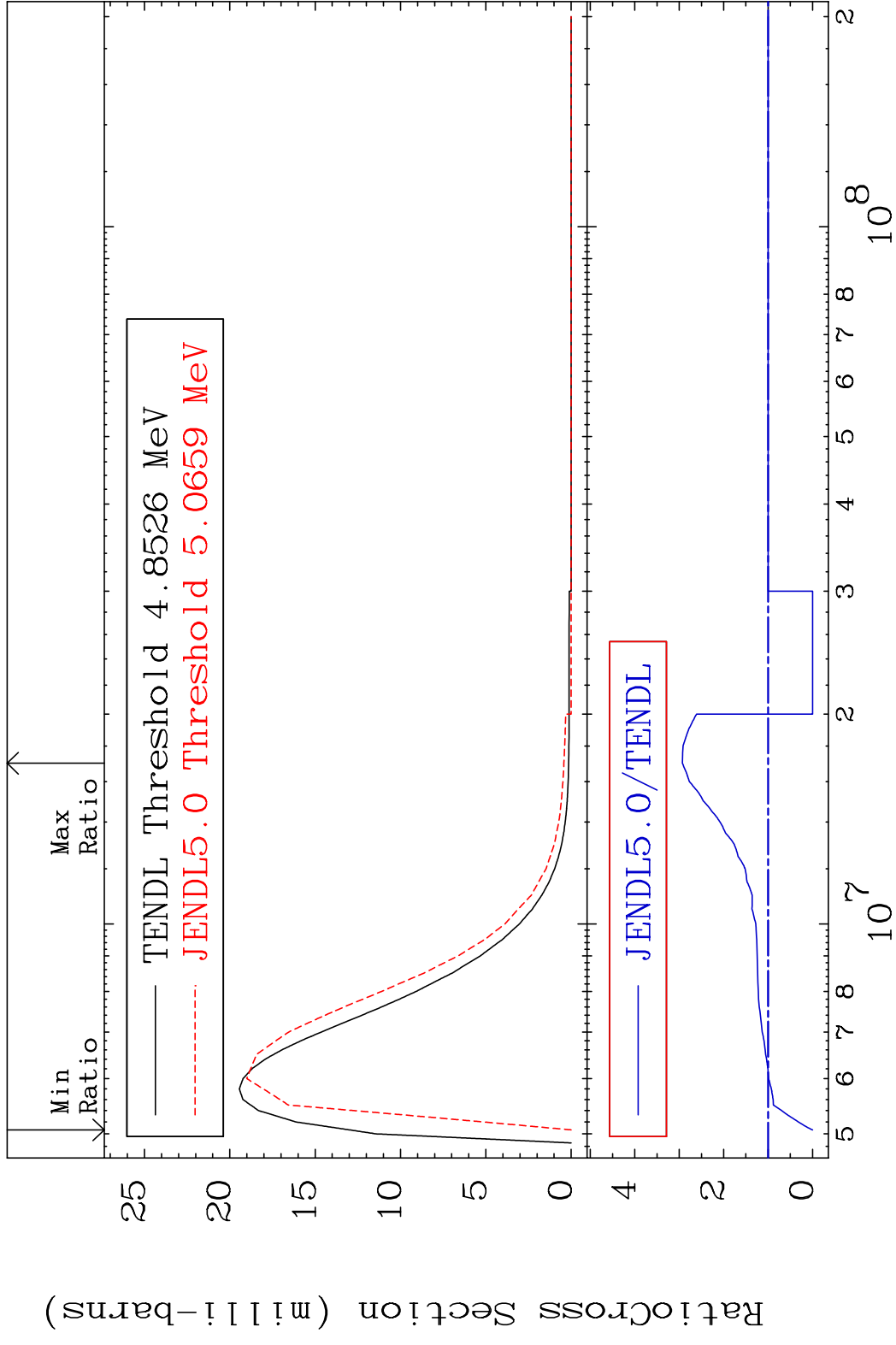
MAT 2031 MT= 78 (n,n') Level 20-Ca-42
 Cross Section -100.0 To 277.0 %



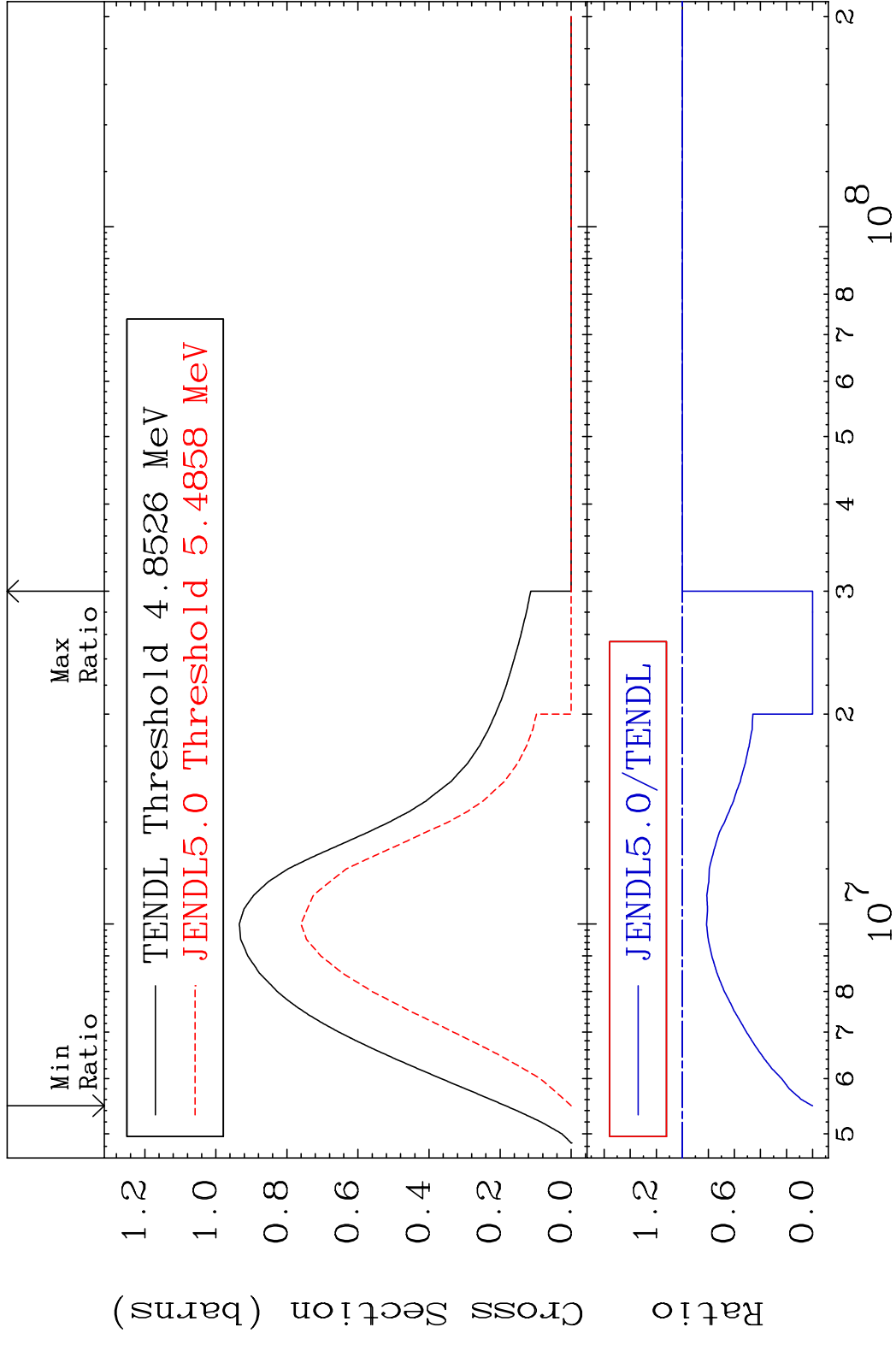
MAT 2031 MT= 79 (n,n') Level 20-Ca-42
 Cross Section -100.0 To 1110. %



MAT 2031 MT= 80 (n, n') Level 20-Ca-42
 Cross Section -100.0 To 193.0 %



MAT 2031 (n,n') Continuum 20-Ca-42
 Cross Section -100.0 To 0.000 %

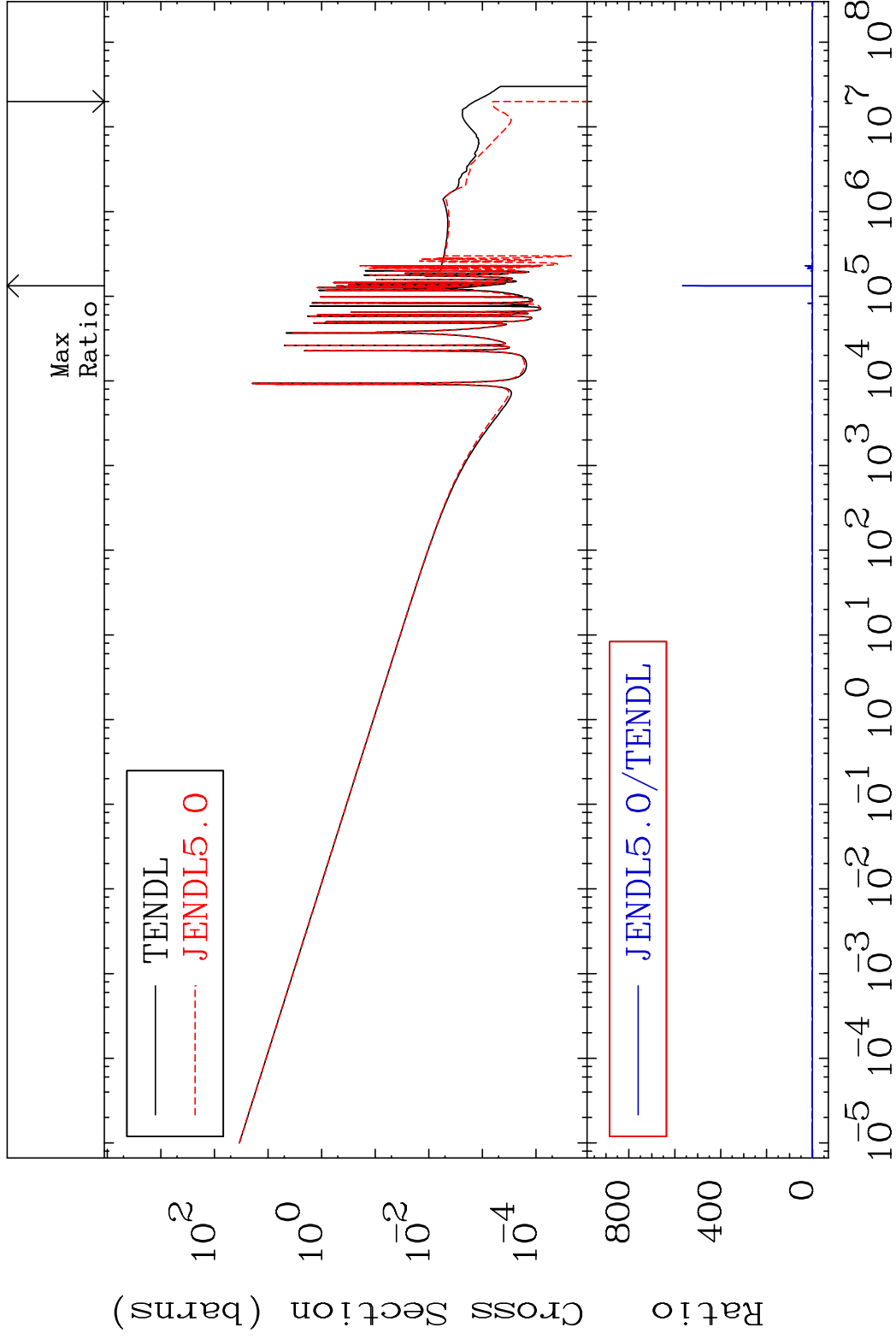


MAT 2031

(n, γ)

20-Ca-42

Cross Section -100.0 To 9999. %



39

Incident Energy (eV)

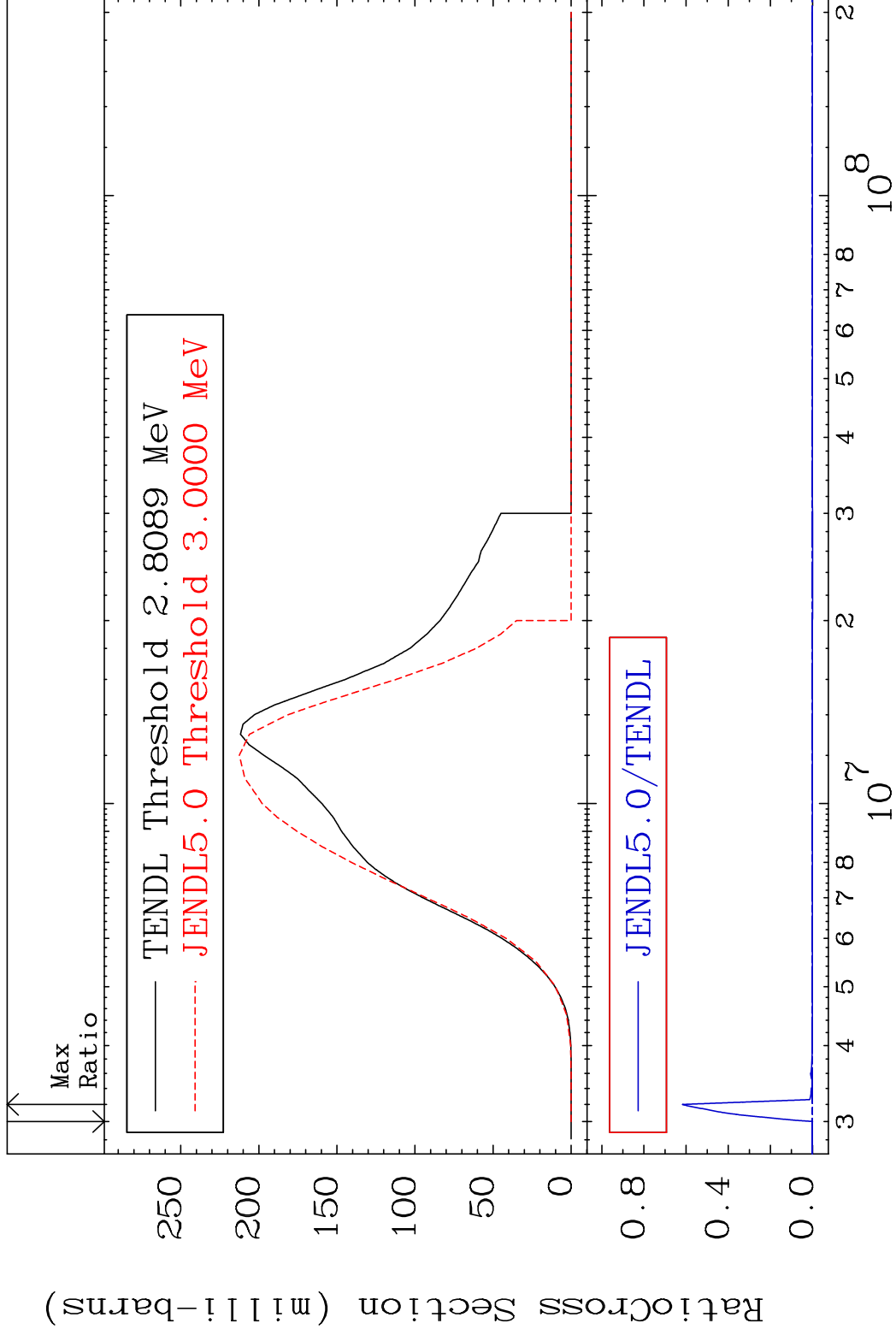
20-Ca-42

MAT 2031

(n,p)

20-Ca-42

Cross Section -100.0 To 9999. %

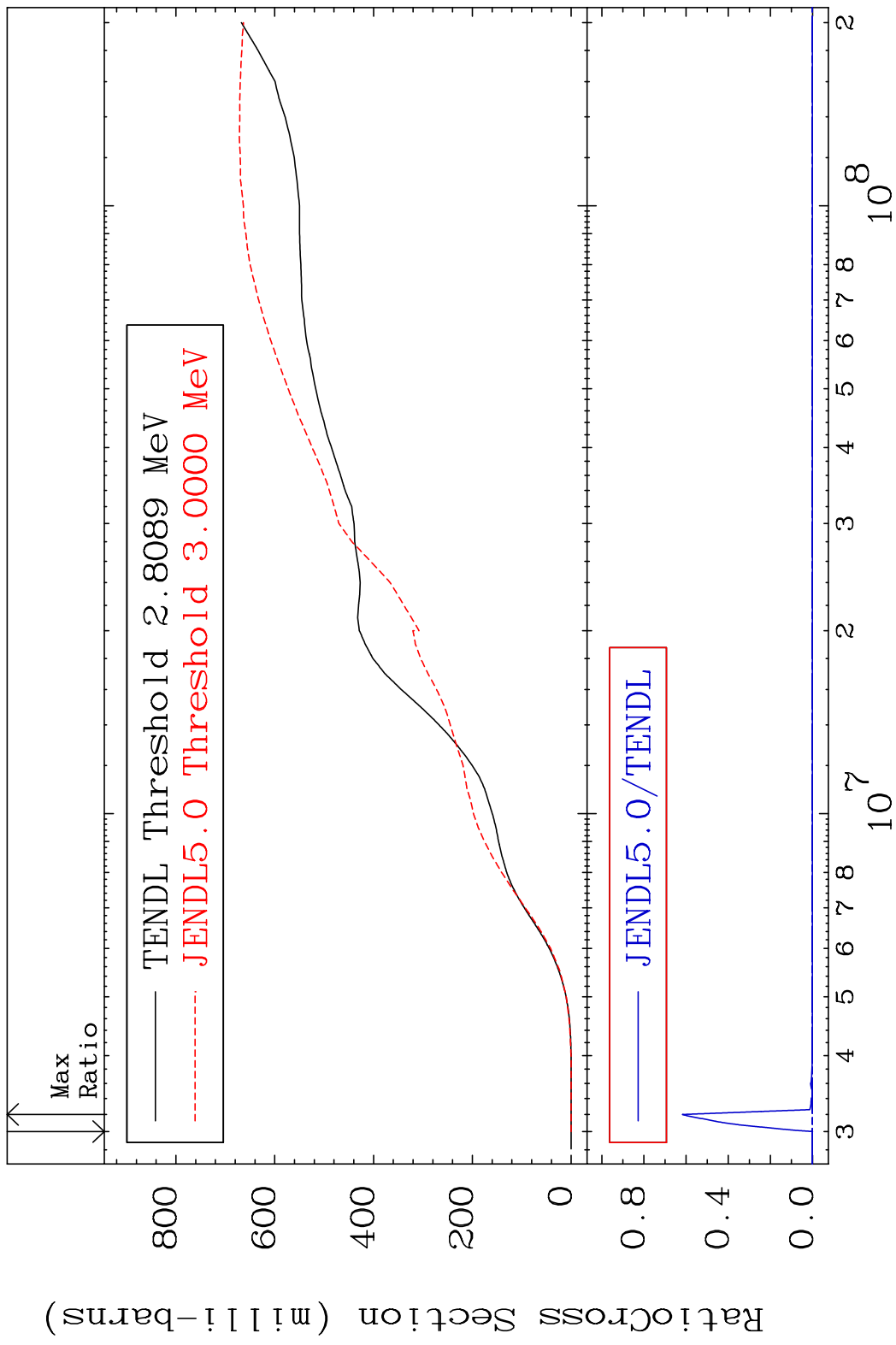


40

Incident Energy (eV)

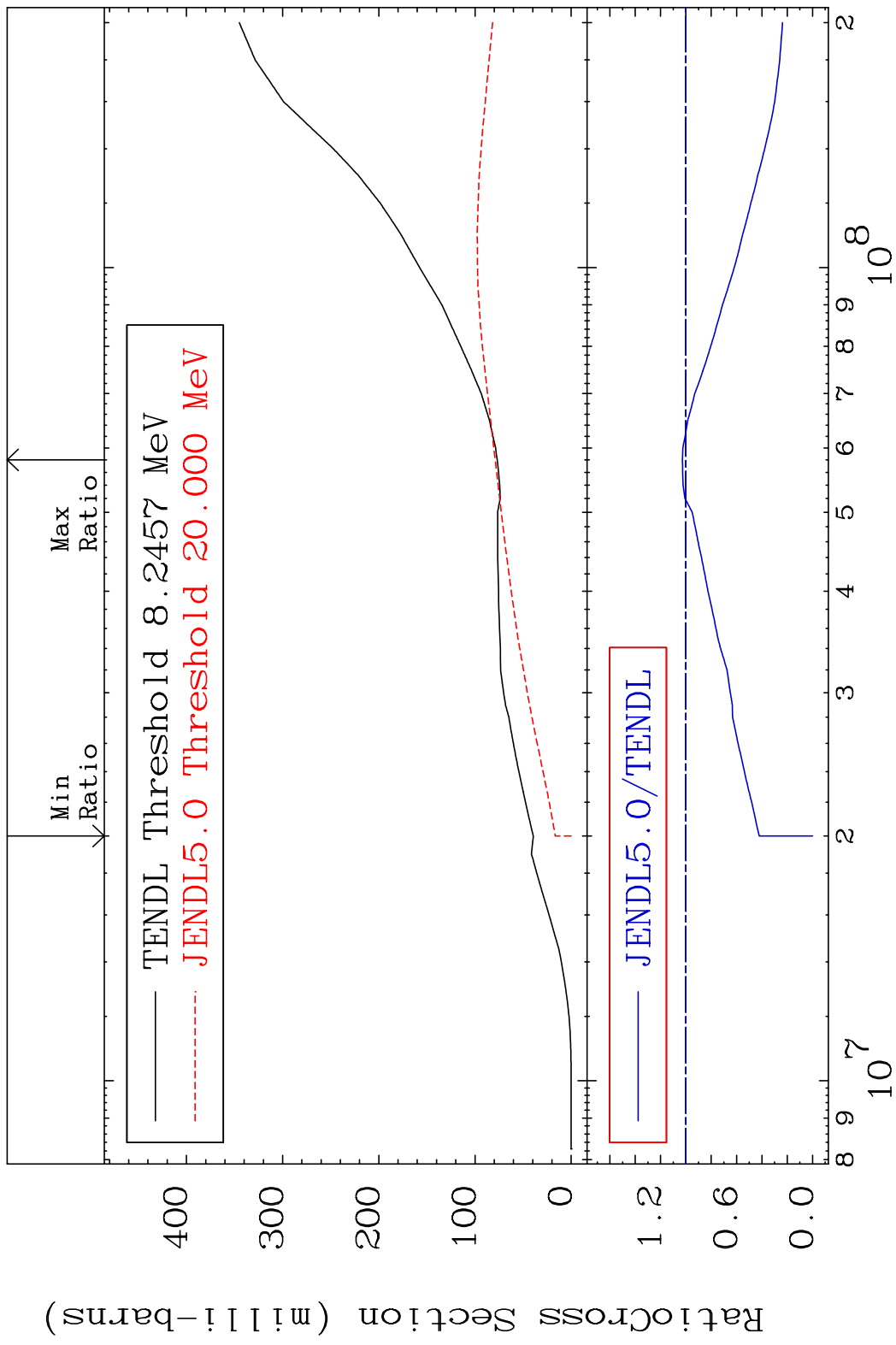
20-Ca-42

MAT 2031 Hydrogen Production 20-Ca-42
 Cross Section -100.0 To 9999. %

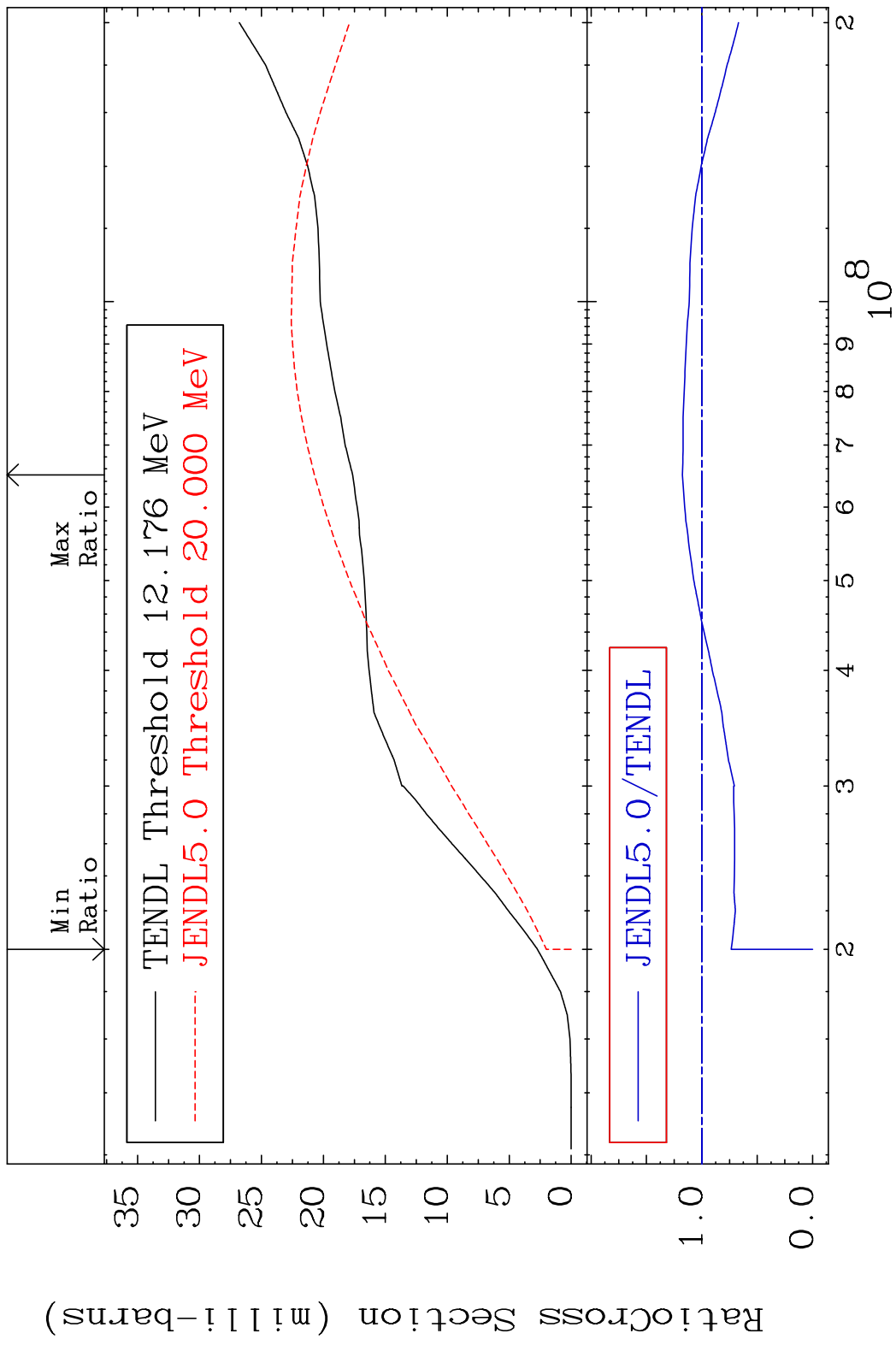


42 20-Ca-42

MAT 2031 Deuterium Production 20-Ca-42
 Cross Section -100.0 To 2.786 %



MAT 2031 Tritium Production 20-Ca-42
 Cross Section -100.0 To 17.57 %



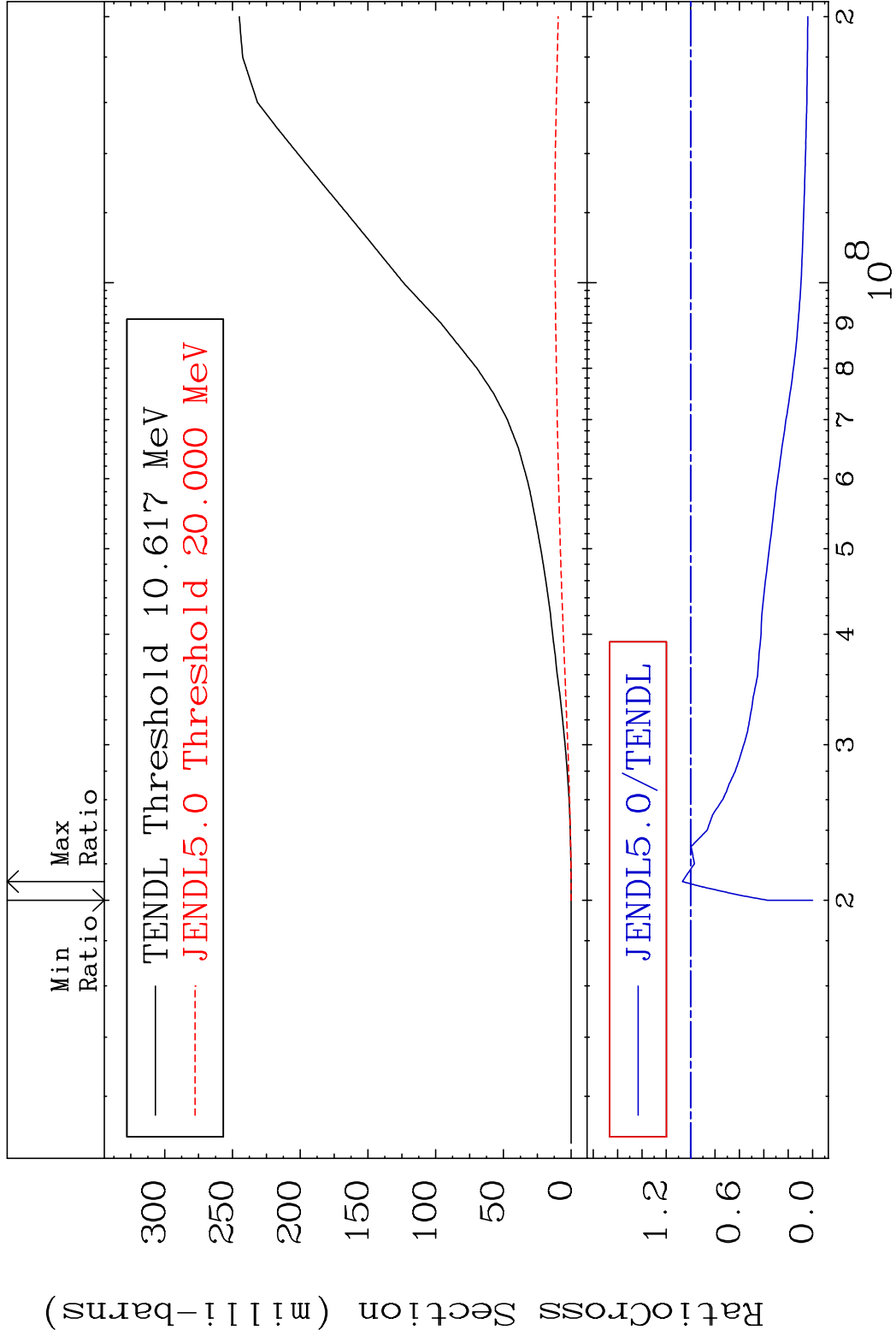
44 20-Ca-42

MAT 2031

He-3 Production

20-Ca-42

Cross Section -100.0 To 6.829 %



45

Incident Energy (eV)

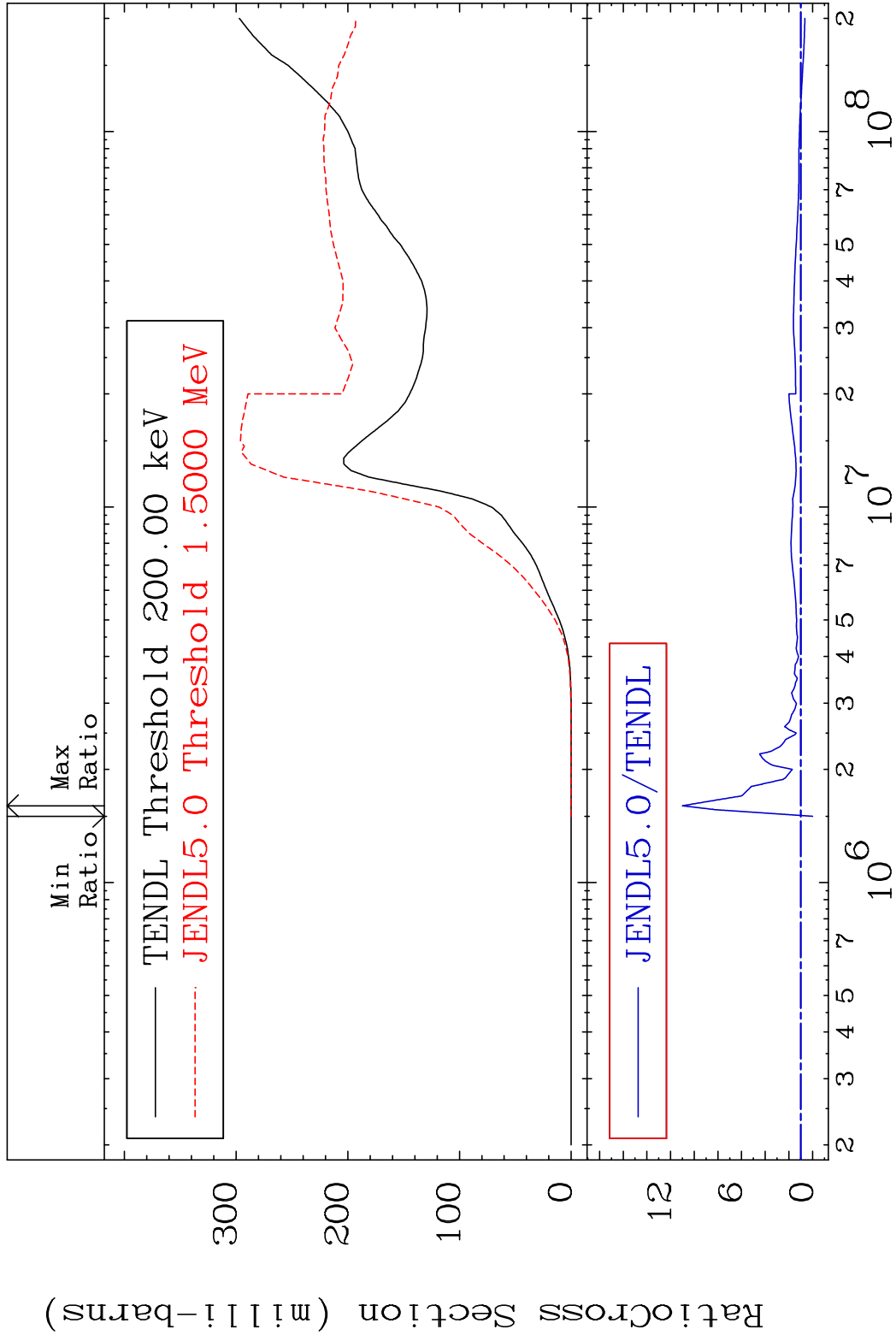
20-Ca-42

MAT 2031

He-4 Production

20-Ca-42

Cross Section -100.0 To 1000. %

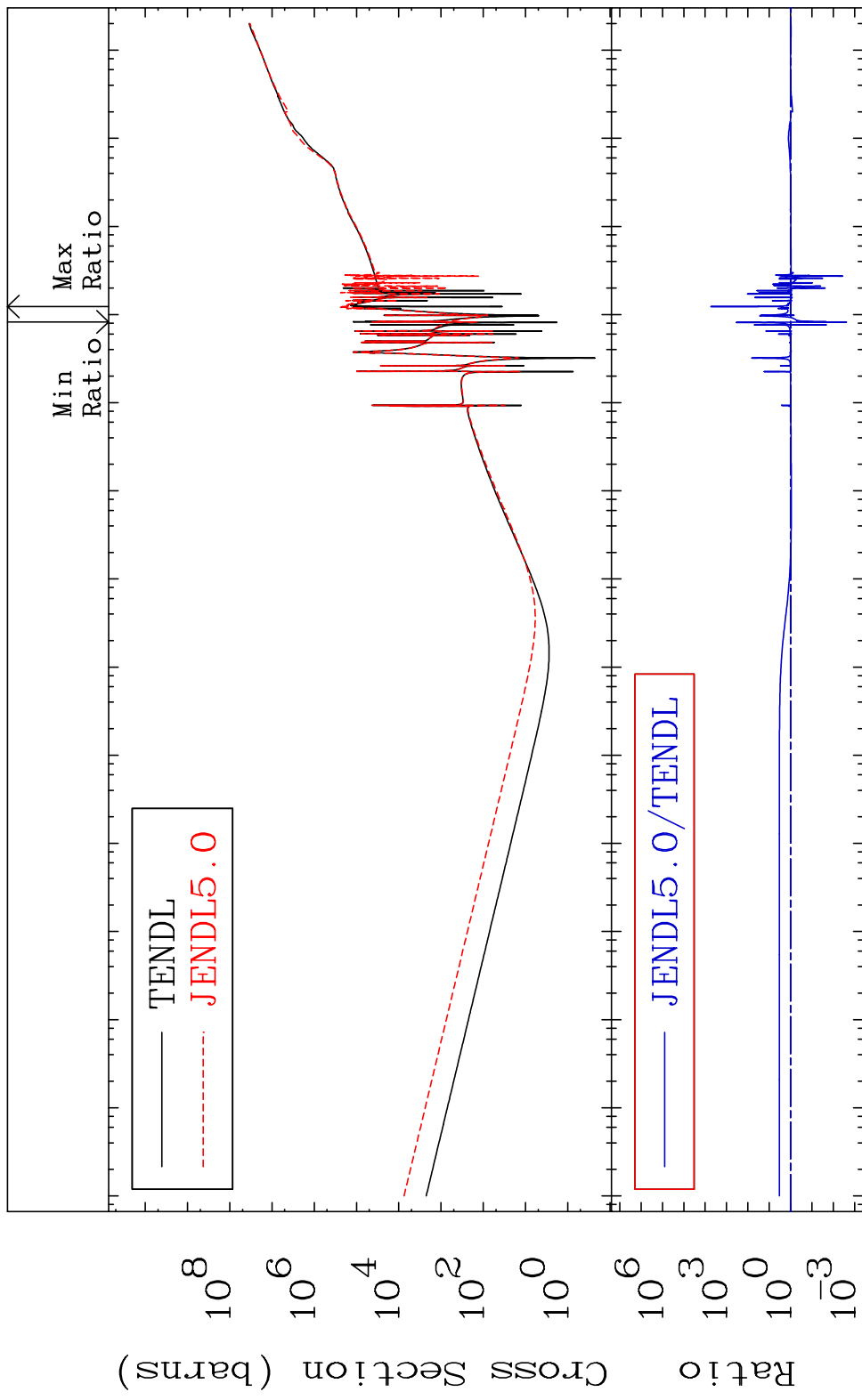


46

Incident Energy (eV)

20-Ca-42

MAT 2031 Kerma total (eV-barns) 20-Ca-42
 Cross Section -99.76 To 9999. %

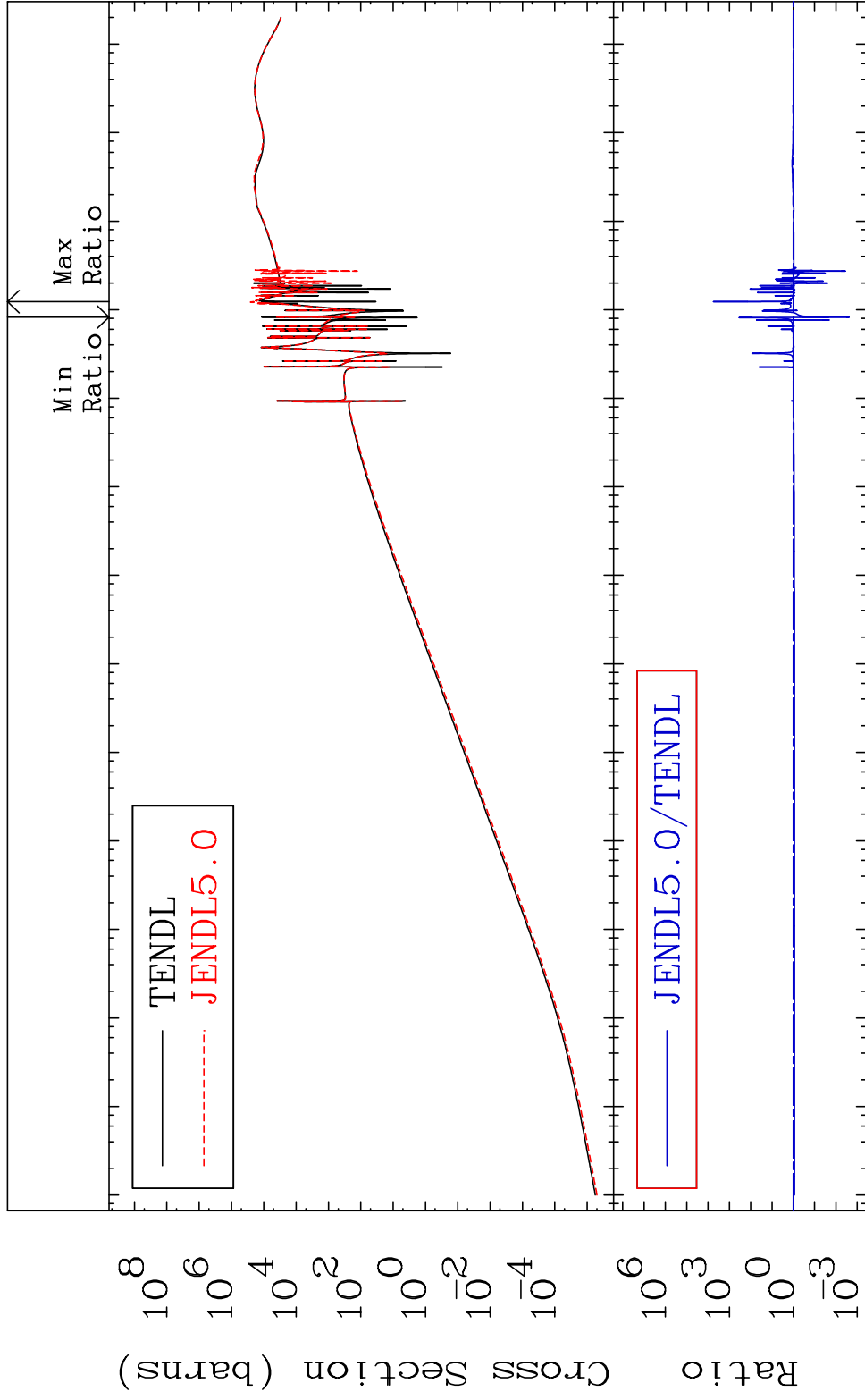


47 Incident Energy (eV) 20-Ca-42

MAT 2031

Kerma elastic
Cross Section -99.76 To 9999. %

20-Ca-42

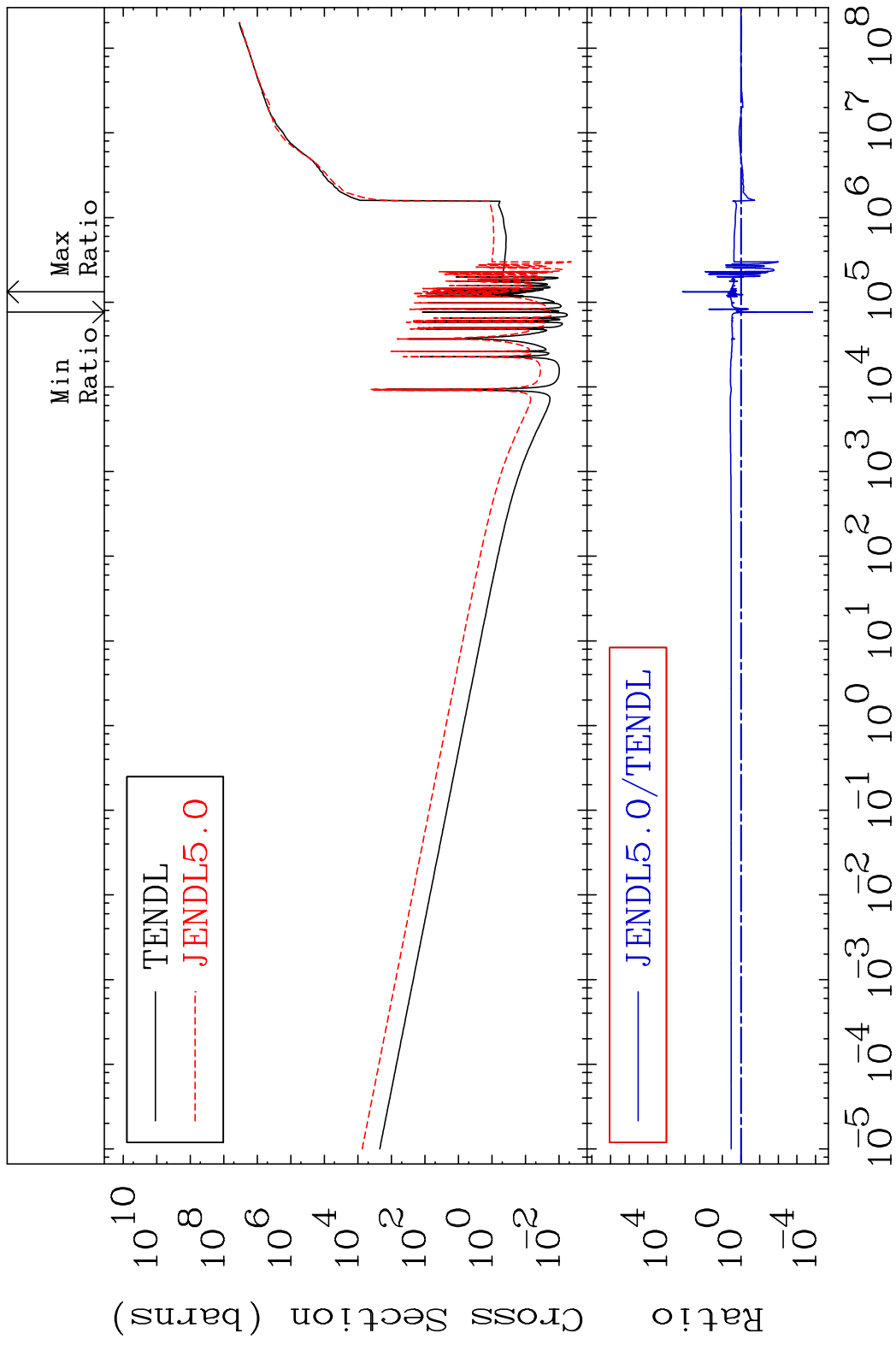


48

Incident Energy (eV)

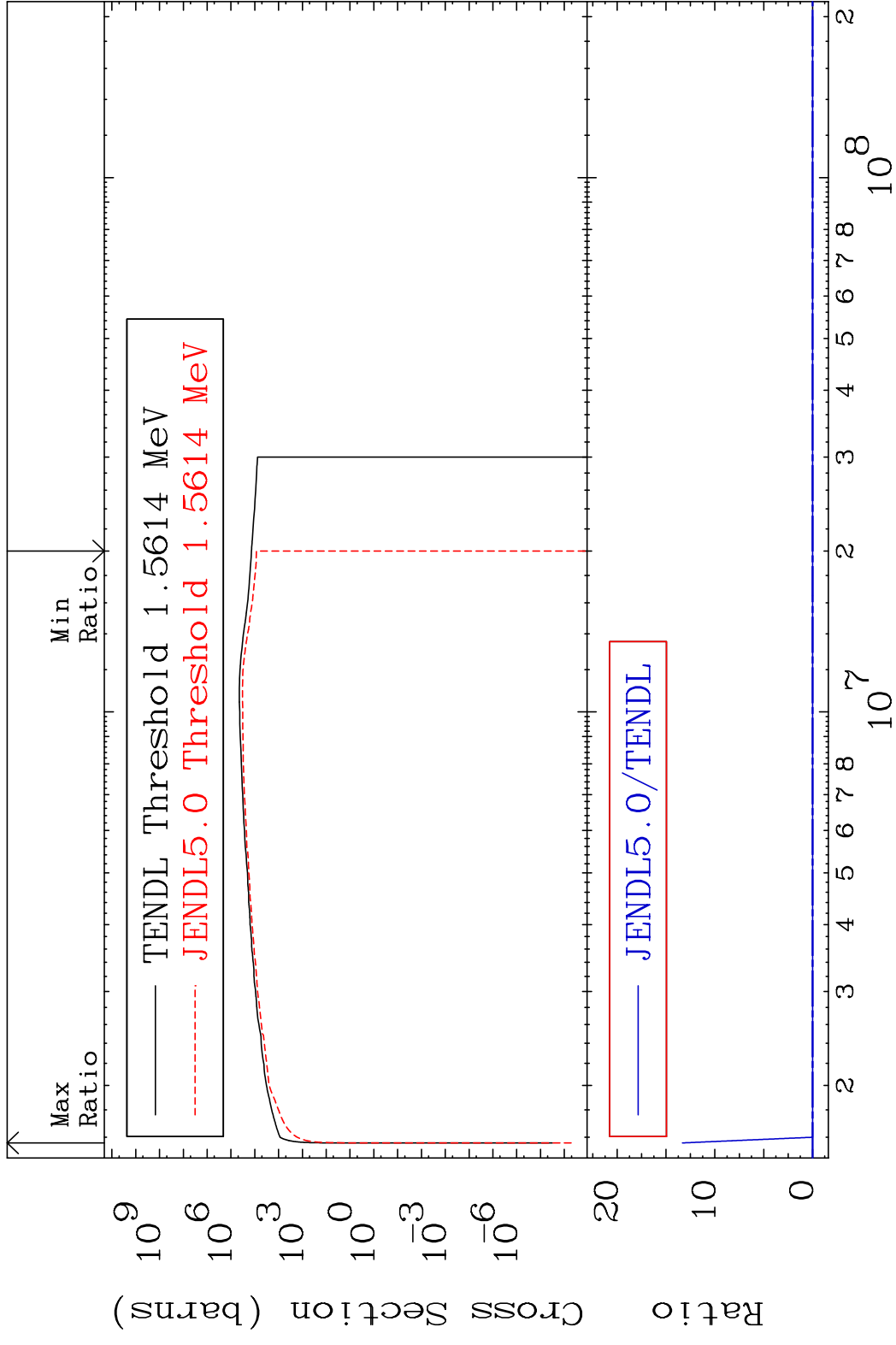
20-Ca-42

MAT 2031 Kerma non-elastic (all but mt2) 20-Ca-42
 Cross Section -99.99 To 9999. %



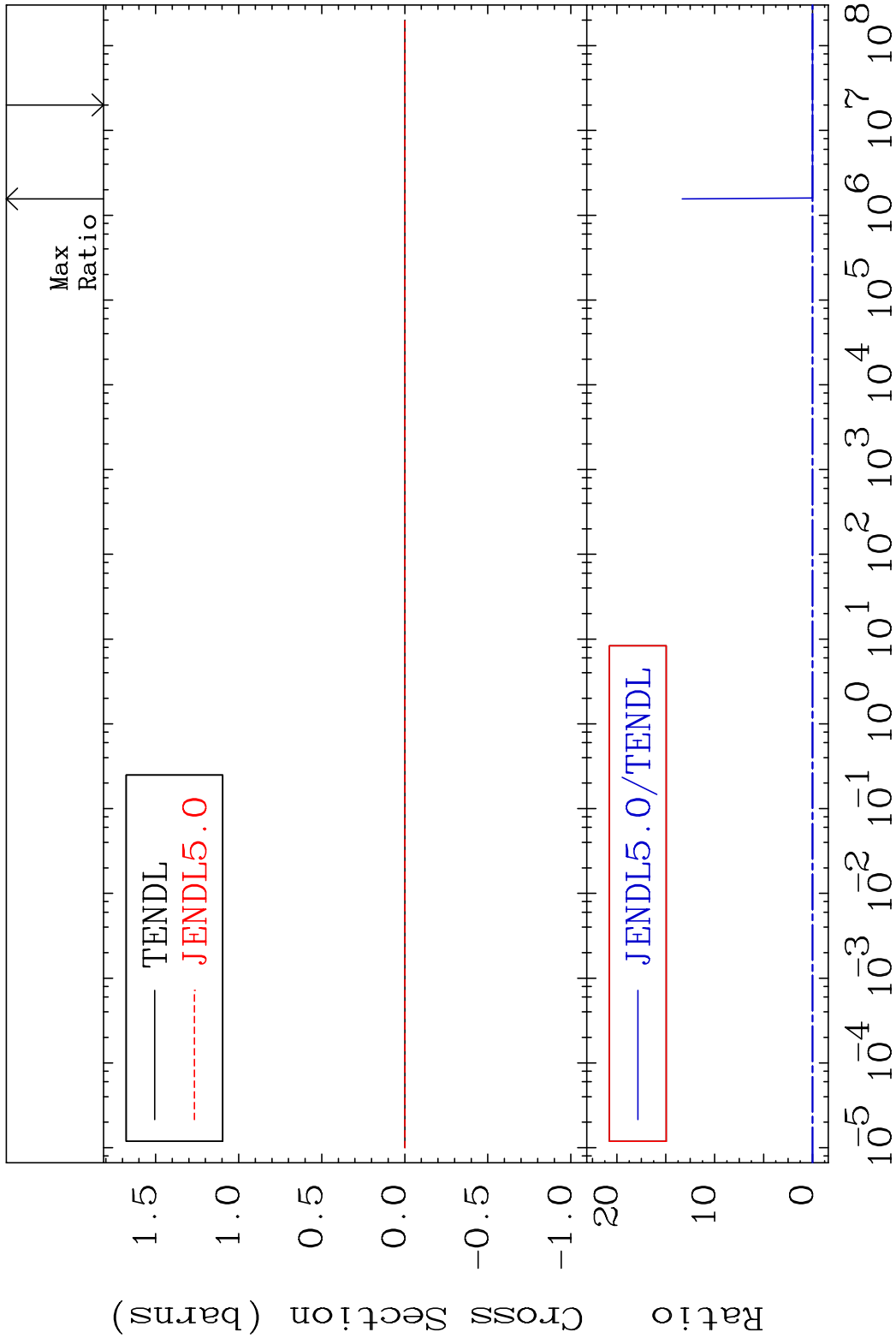
49 Incident Energy (eV) 20-Ca-42

MAT 2031 Kerma inelastic (mt51-91) 20-Ca-42
 Cross Section -100.0 To 9999. %

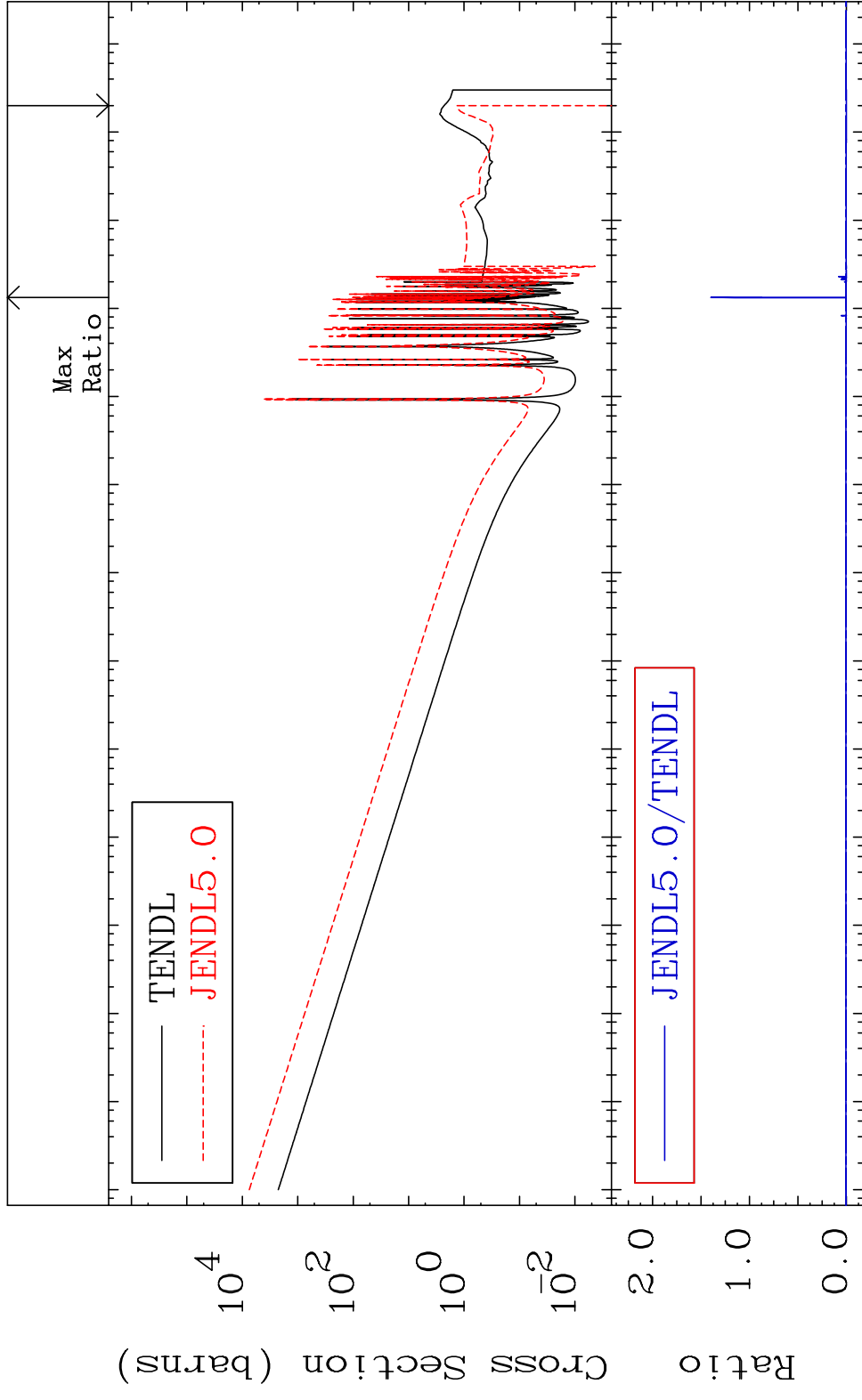


50 Incident Energy (eV) 20-Ca-42

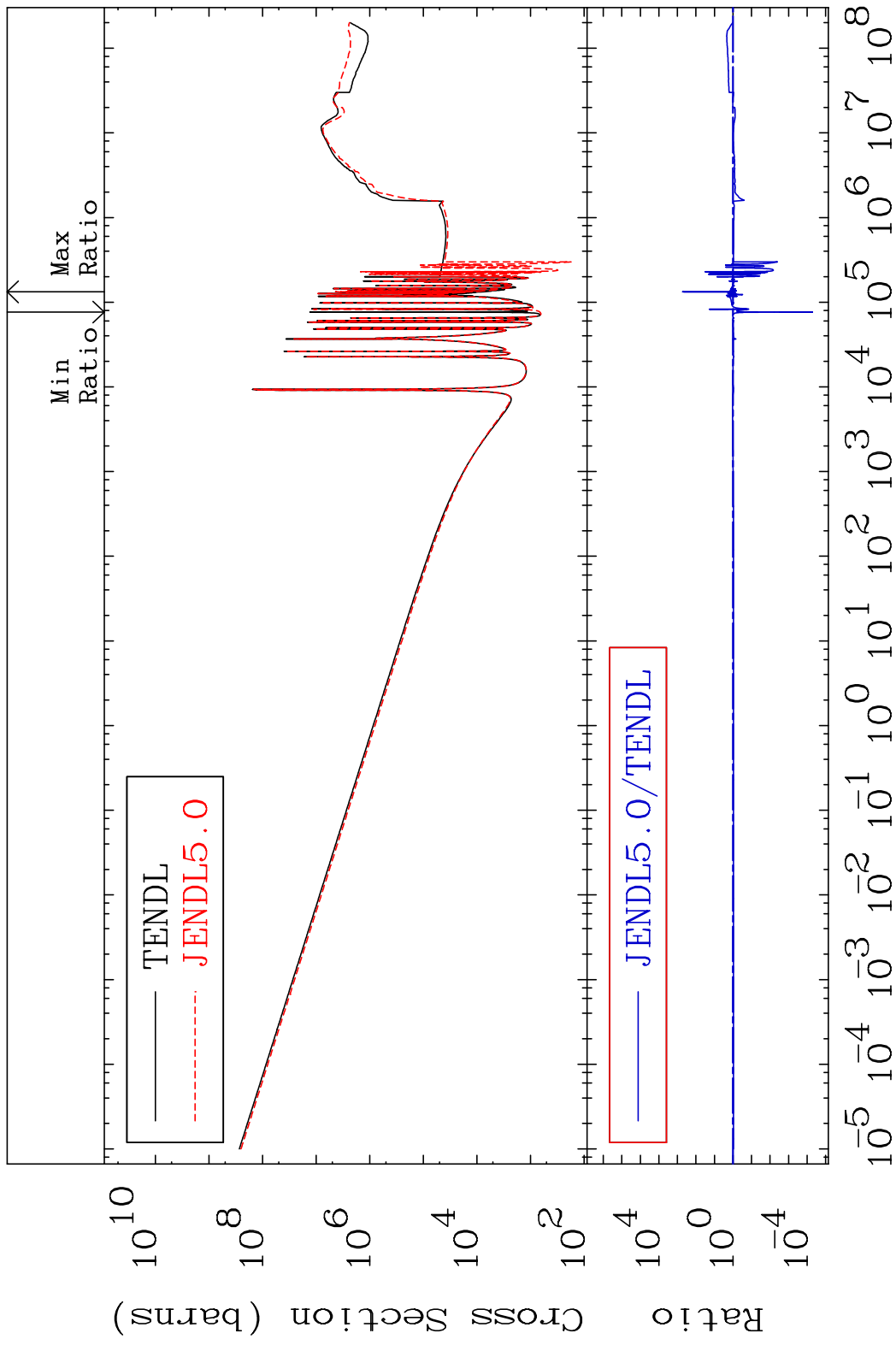
MAT 2031 Kerma fission (mt18 or mt19-20-21-38) 20-Ca-42
 Cross Section -100.0 To 9999. %



MAT 2031 Kerma capture (mt102) 20-Ca-42
 Cross Section -100.0 To 9999. %

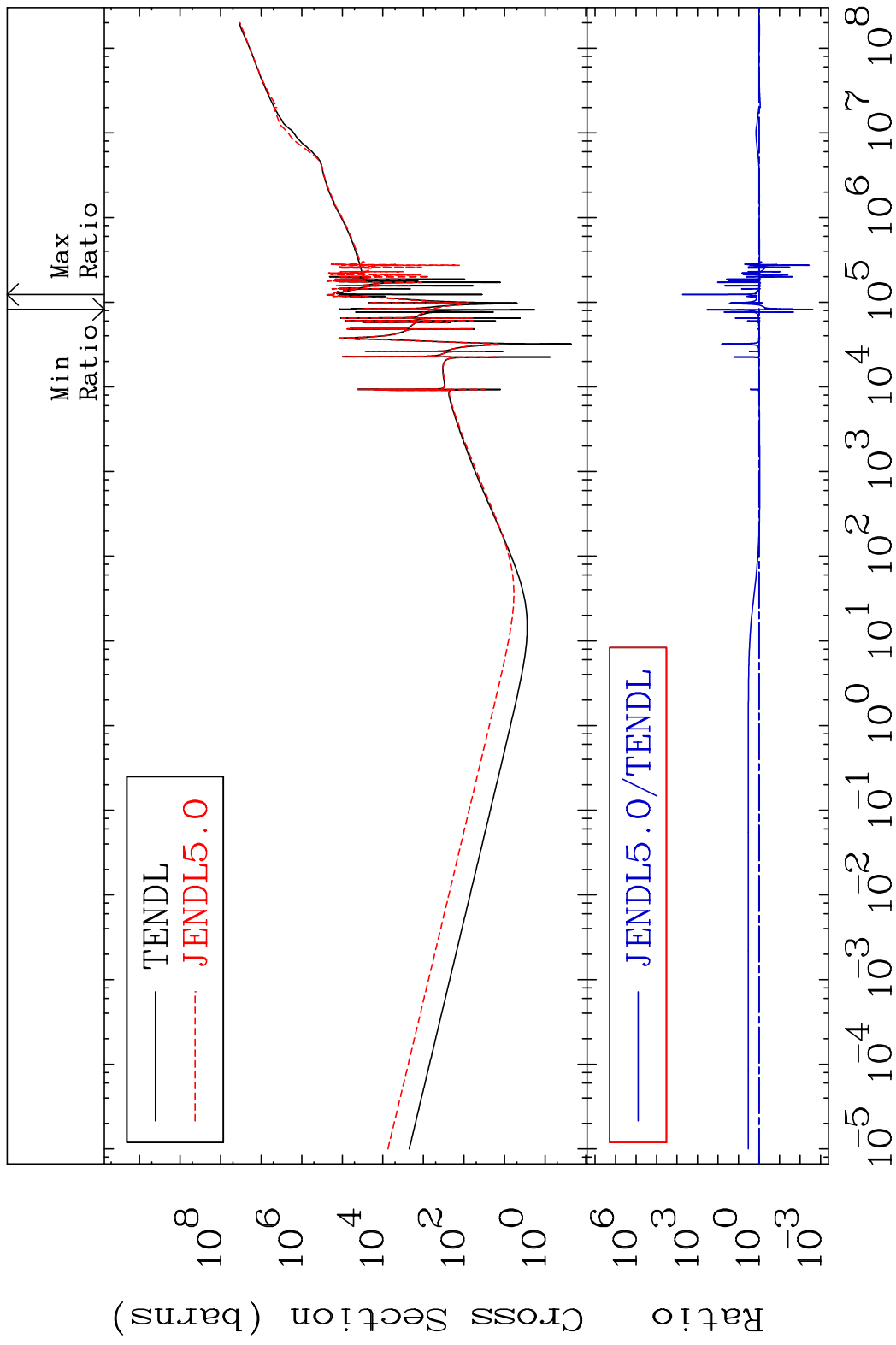


MAT 2031 Total photon (eV-barns) 20-Ca-42
Cross Section -99.99 To 9999. %

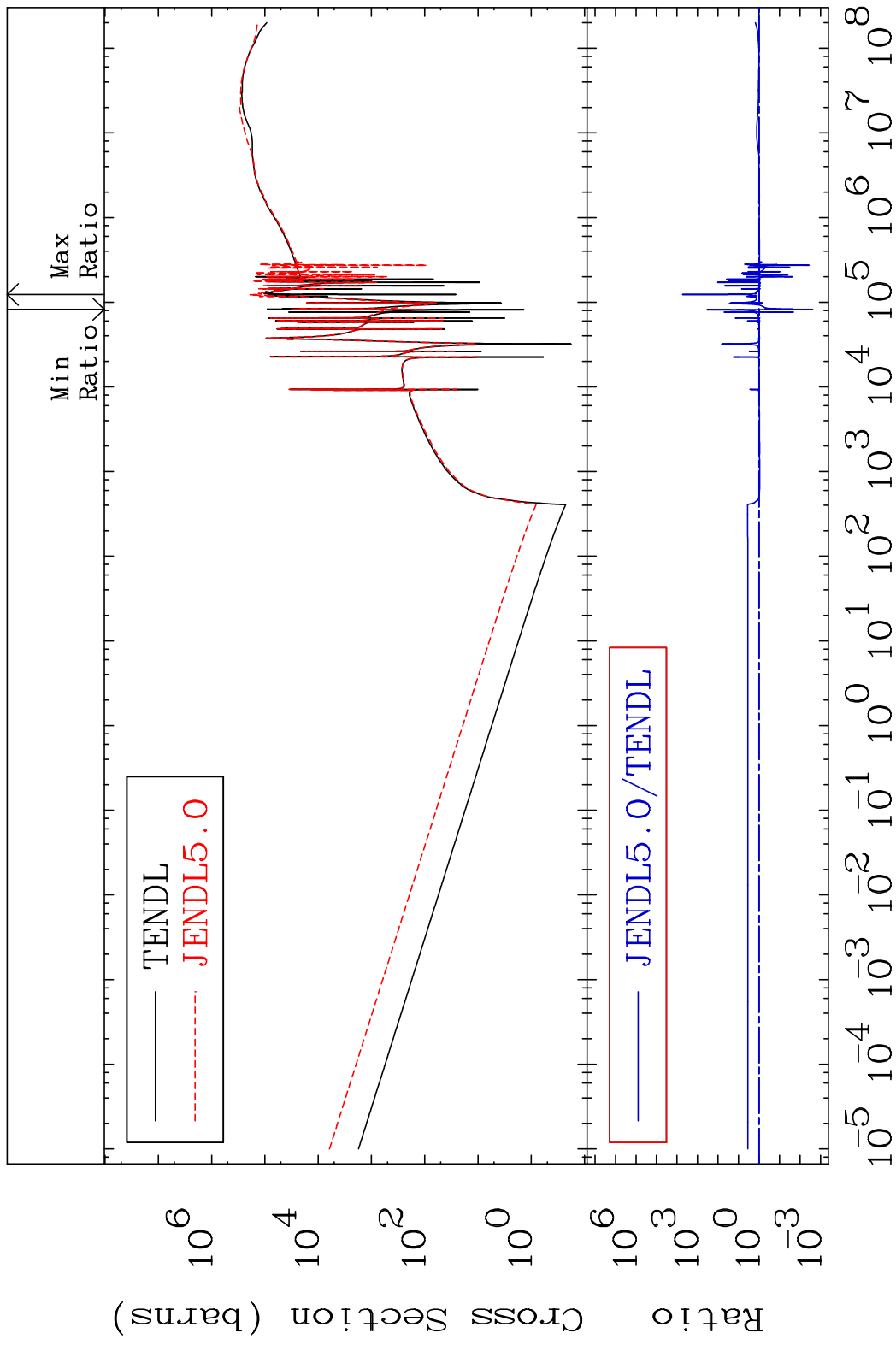


53 Incident Energy (eV) 20-Ca-42

MAT 2031 Total kinematic kerma (high limit) 20-Ca-42
 Cross Section -99.76 To 9999. %



MAT 2031 Dpa total (eV-barns) 20-Ca-42
Cross Section -99.76 To 9999. %



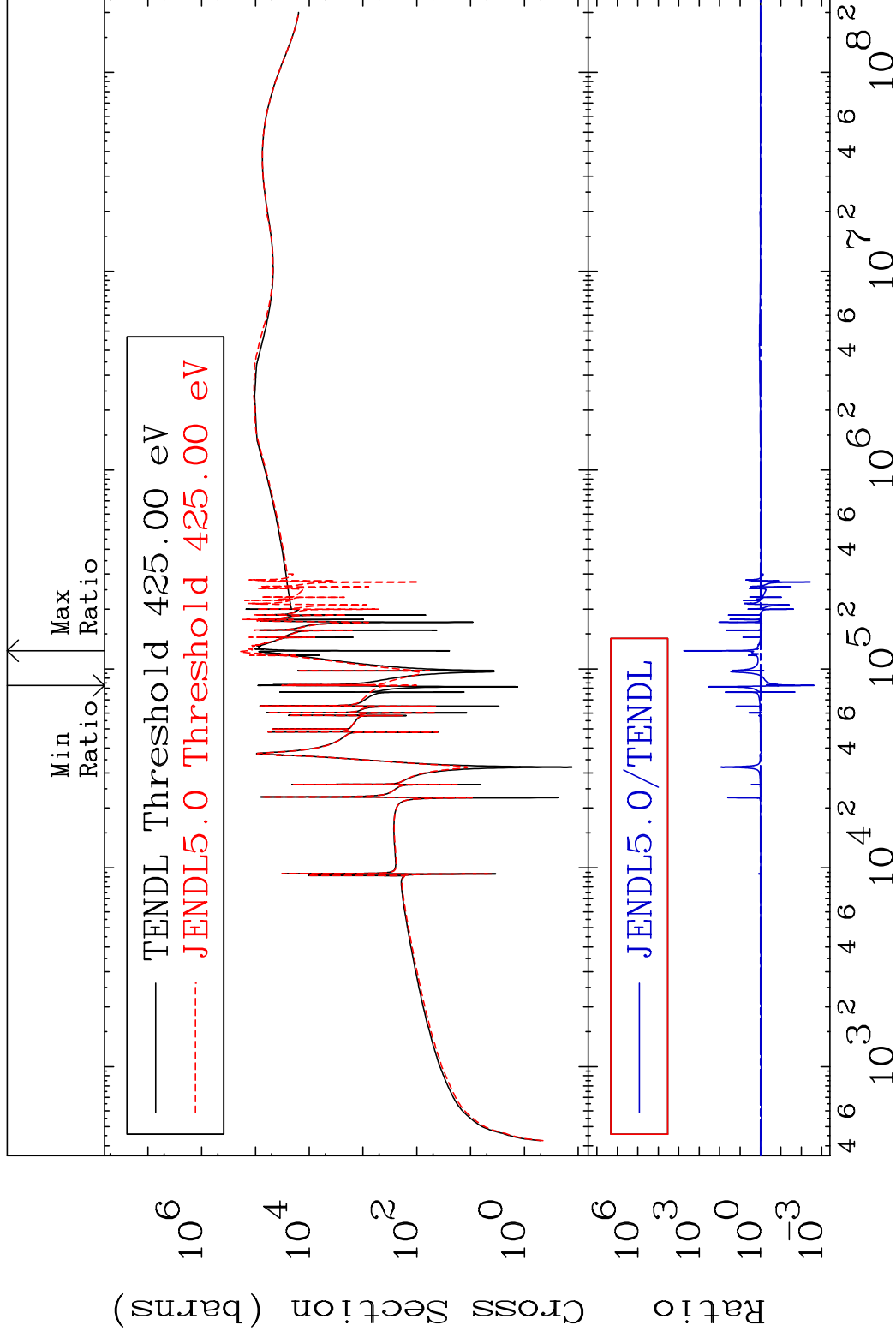
55 Incident Energy (eV) 20-Ca-42

MAT 2031

Dpa elastic (mt2)

20-Ca-42

Cross Section -99.76 To 9999. %

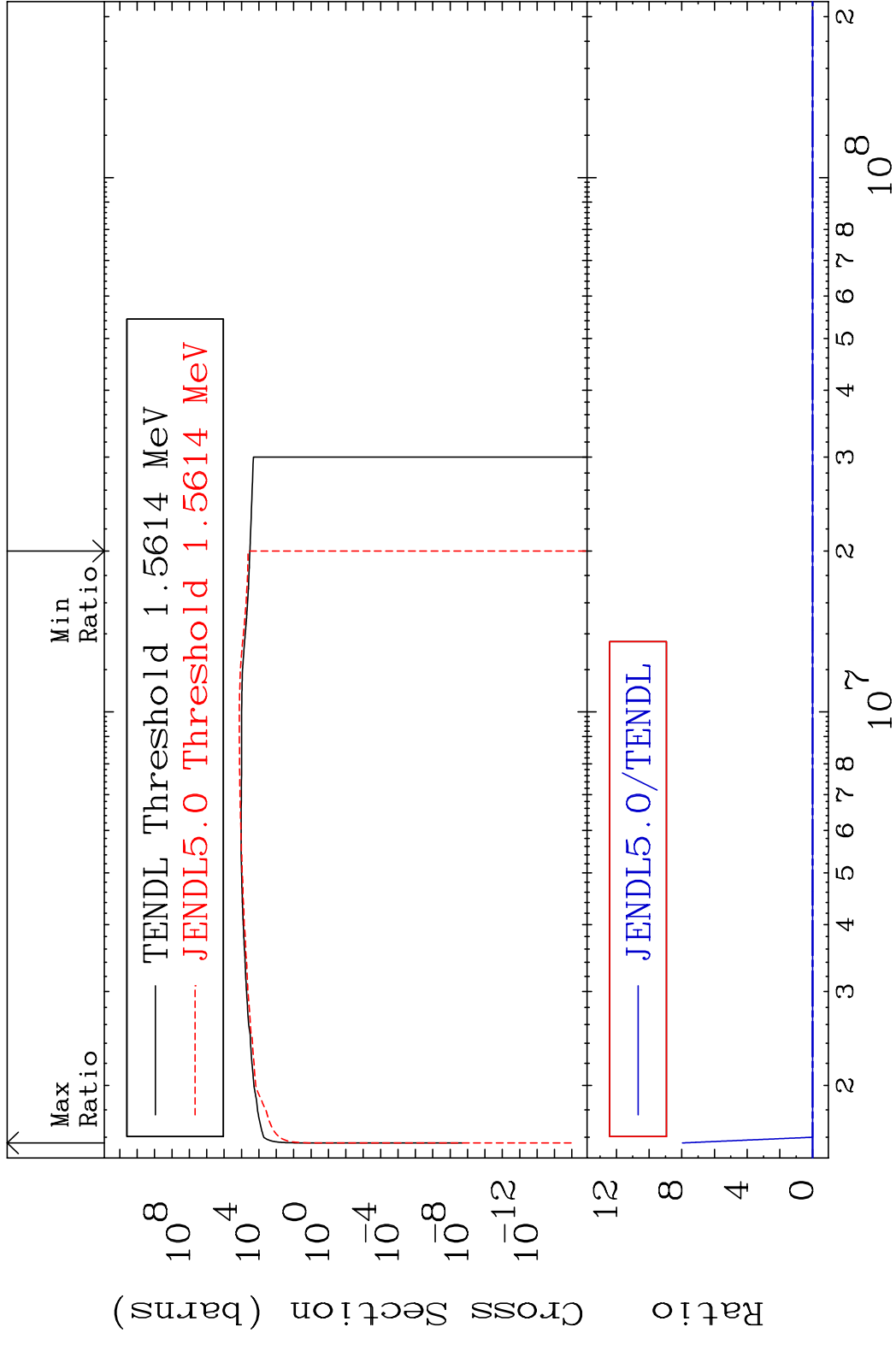


56

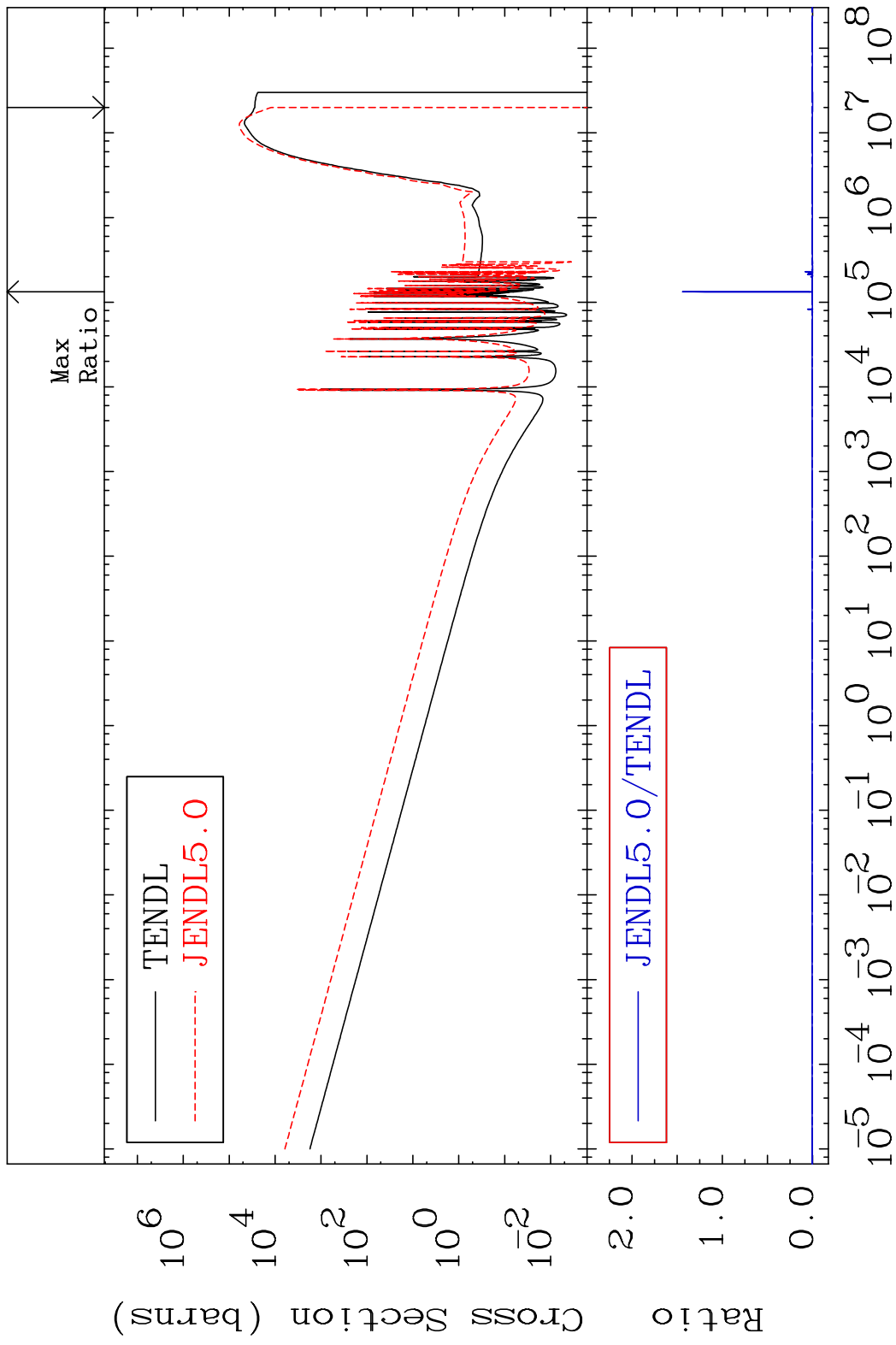
Incident Energy (eV)

20-Ca-42

MAT 2031 Dpa inelastic (mt51-91) 20-Ca-42
 Cross Section -100.0 To 9999. %



MAT 2031 Dpa disappearance (mt102 -120) 20-Ca-42
 Cross Section -100.0 To 9999. %

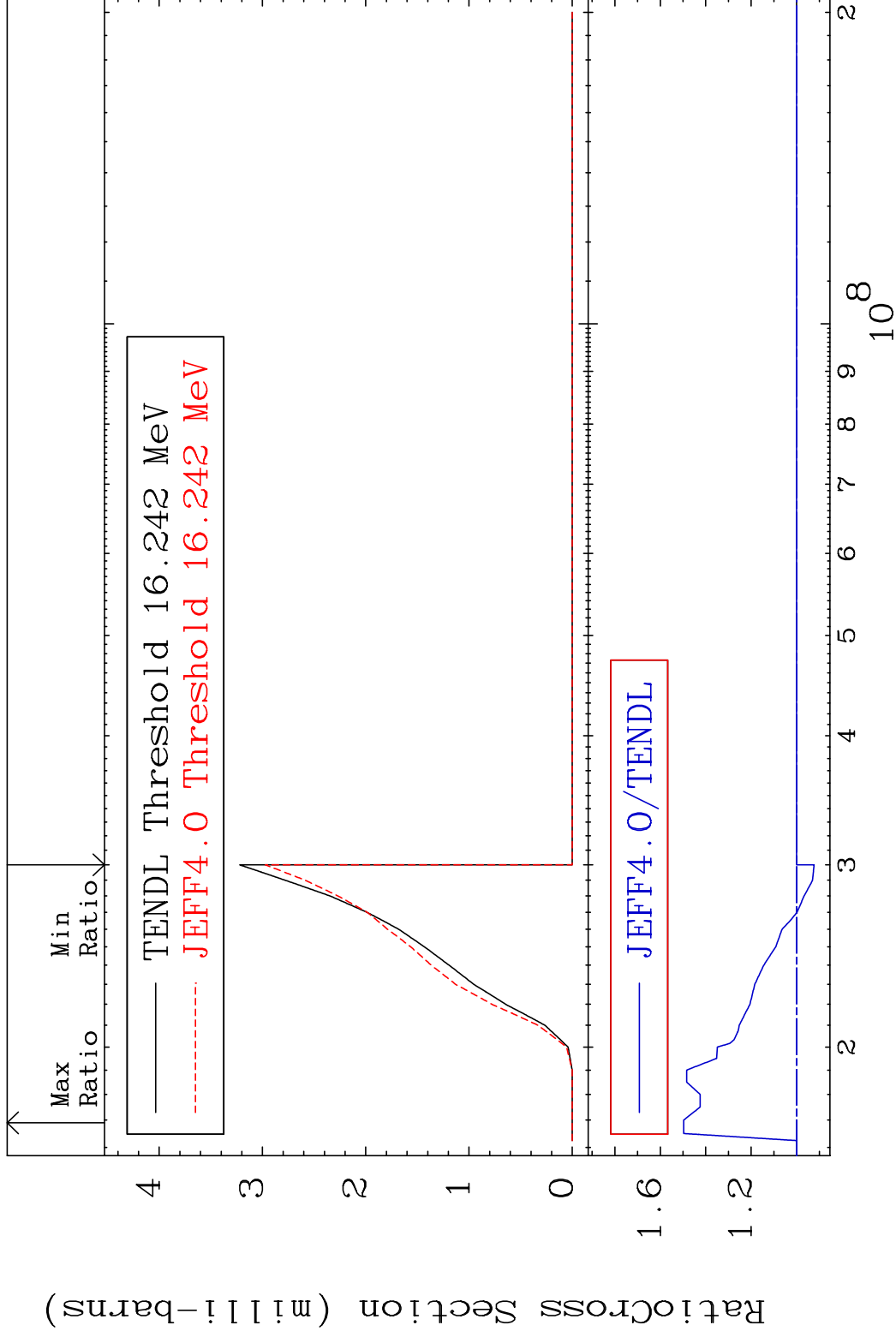


MAT 2031

(n,p) d

20-Ca-42

Cross Section -7.675 To 49.72 %



59

Incident Energy (eV)

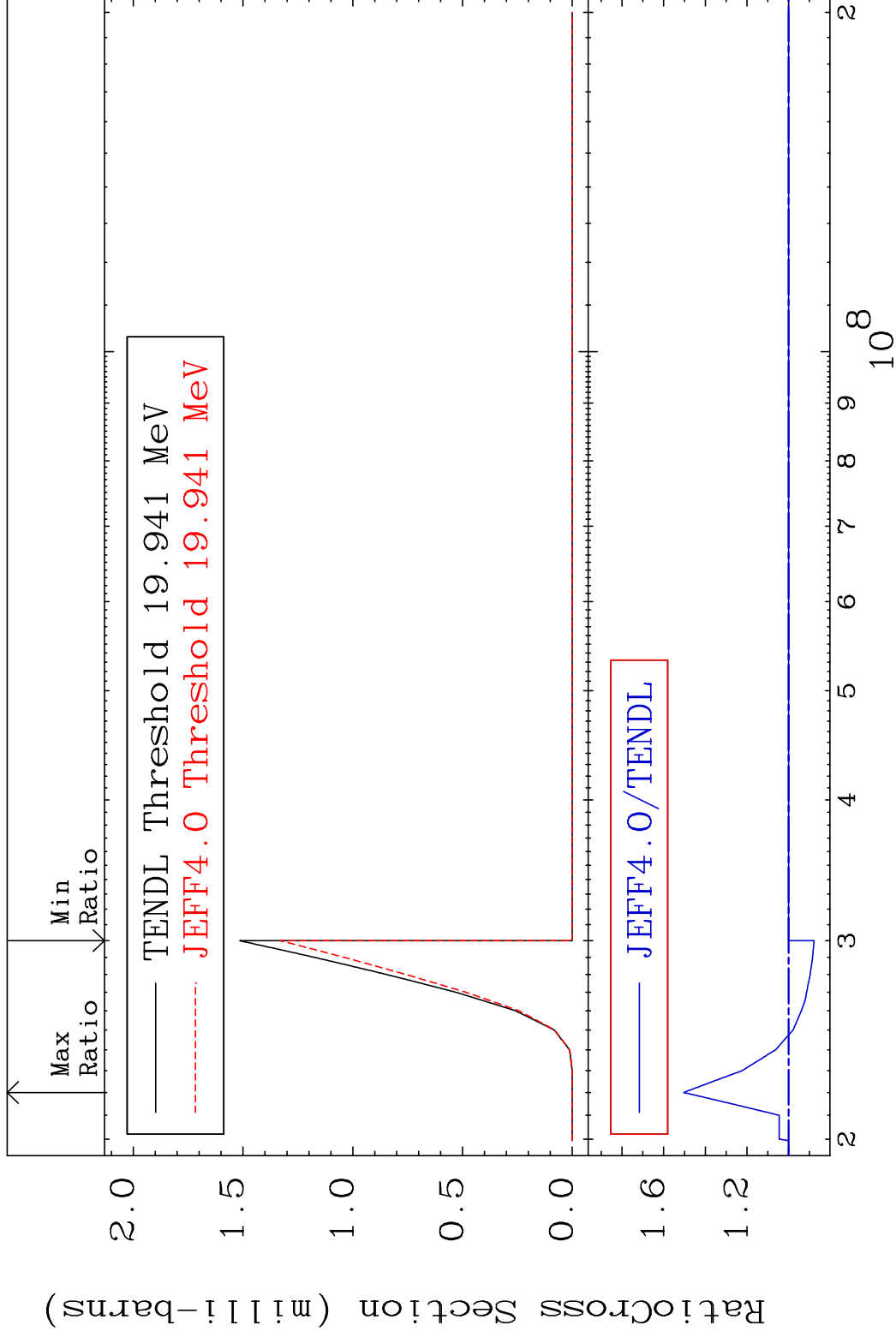
20-Ca-42

MAT 2031

(n,p) t

20-Ca-42

Cross Section -12.26 To 50.41 %

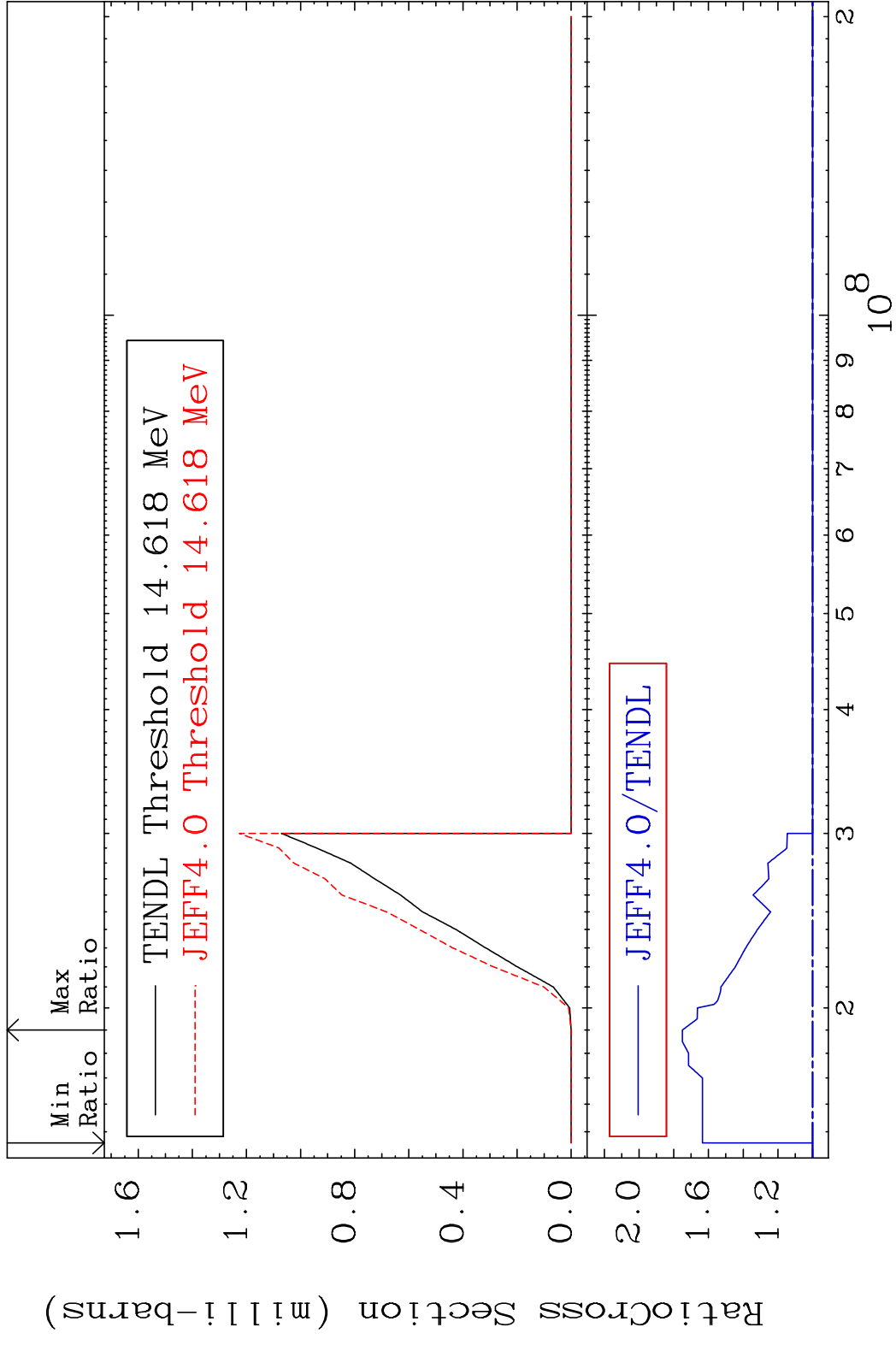


60

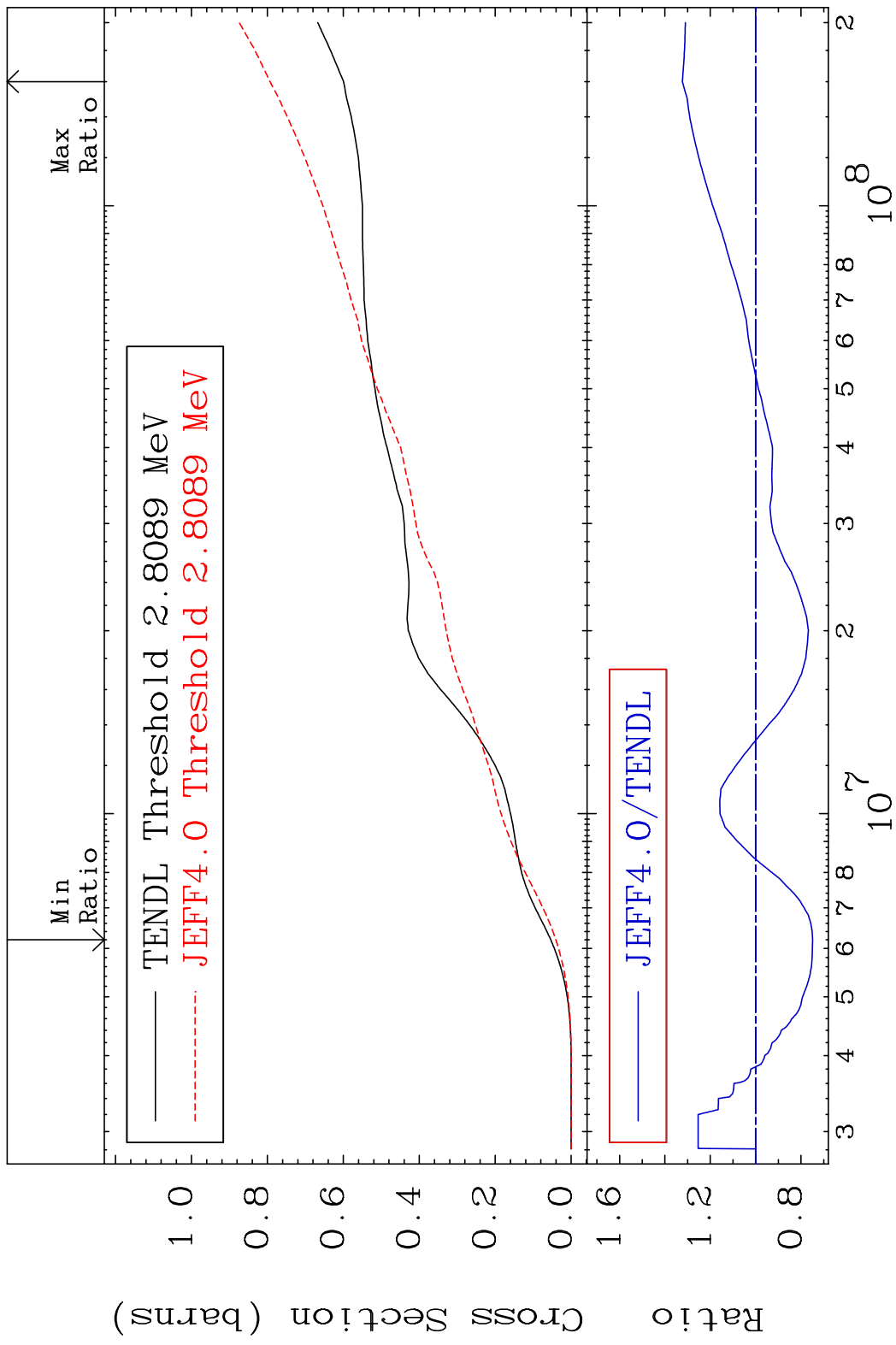
Incident Energy (eV)

20-Ca-42

MAT 2031 (n,d) α 20-Ca-42
 Cross Section 0.000 To 75.06 %

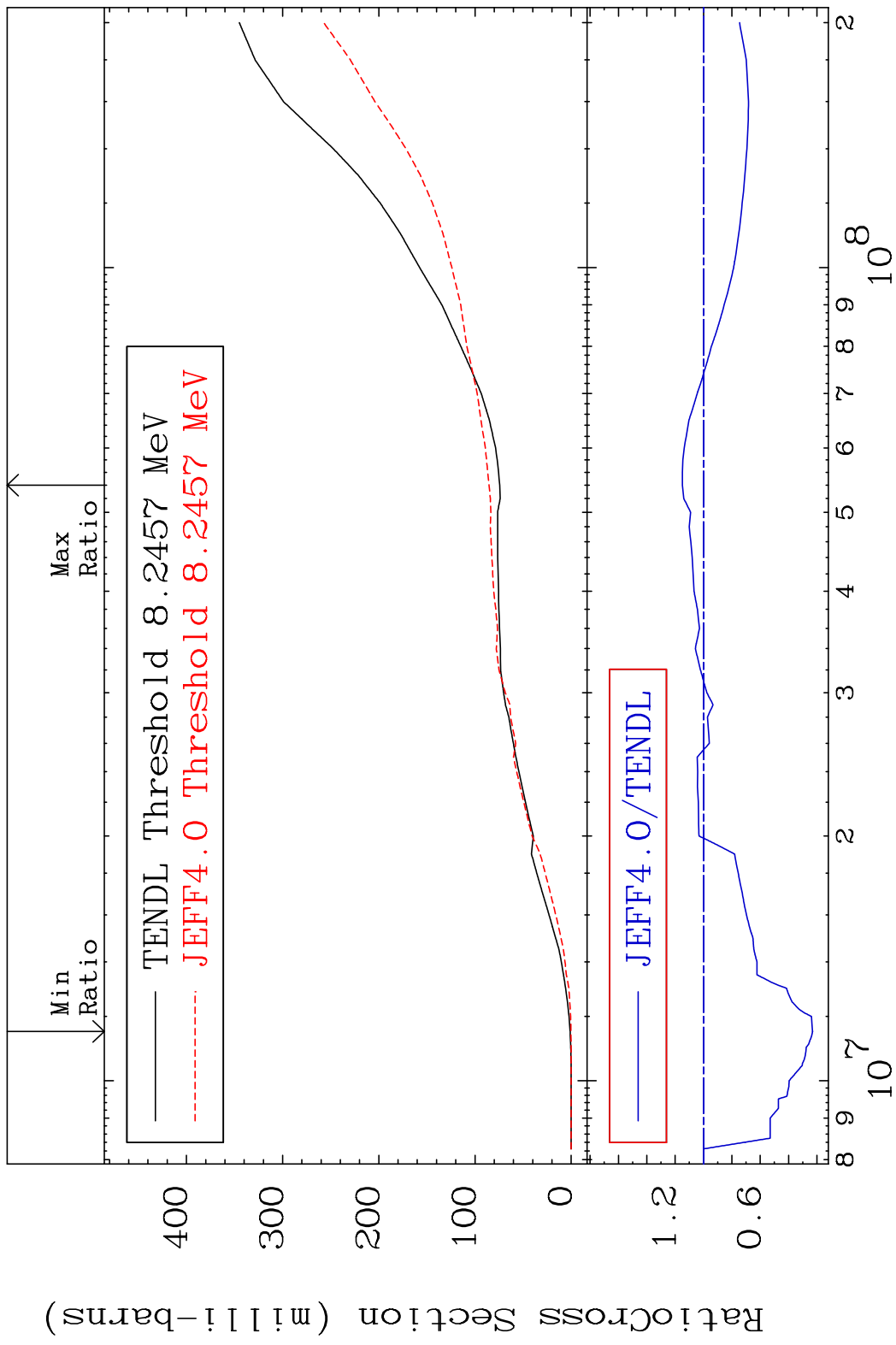


MAT 2031 Hydrogen Production 20-Ca-42
 Cross Section -25.08 To 32.32 %



62 Incident Energy (eV) 20-Ca-42

MAT 2031 Deuterium Production 20-Ca-42
 Cross Section -76.92 To 14.92 %

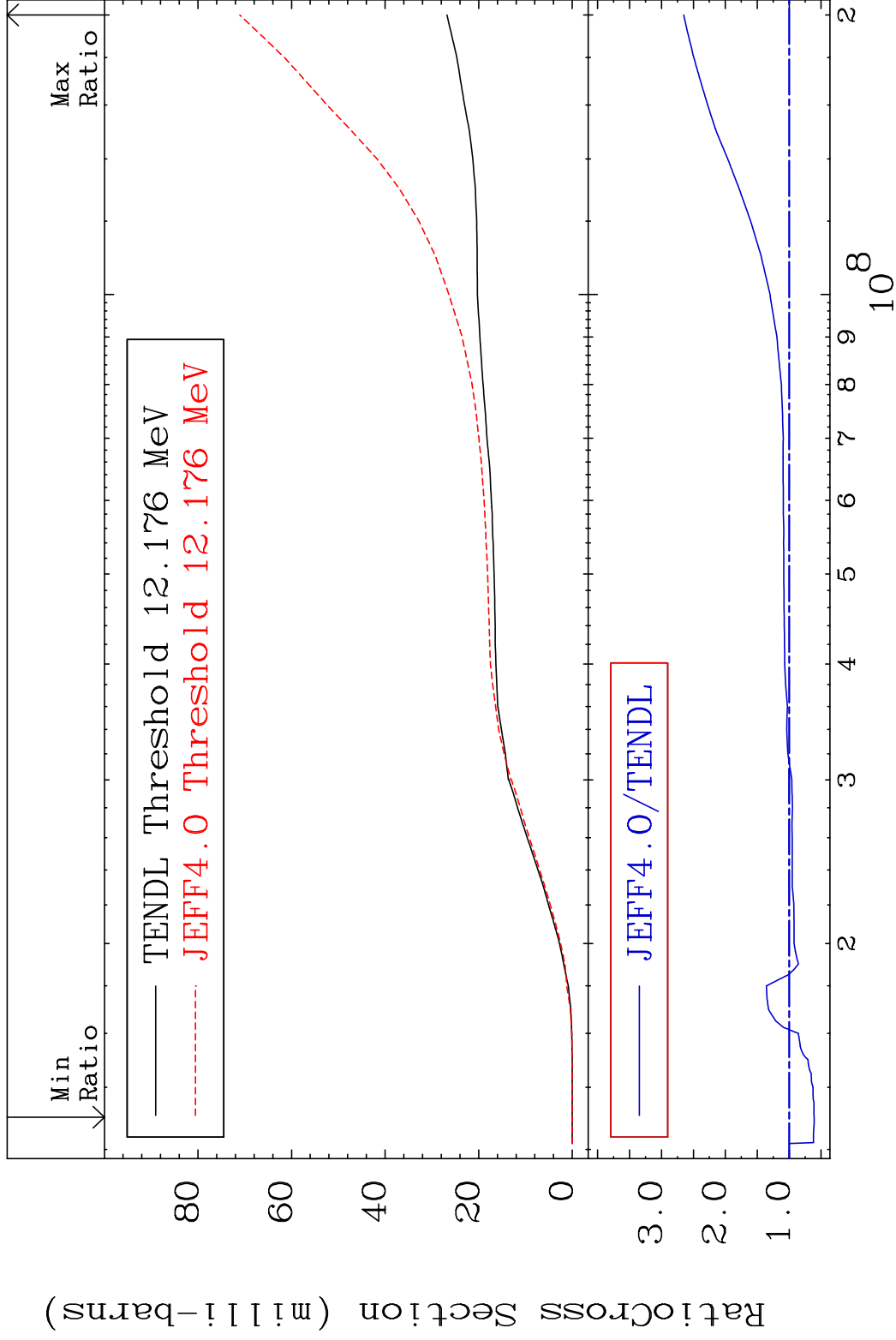


MAT 2031

Tritium Production

20-Ca-42

Cross Section -39.02 To 165.3 %

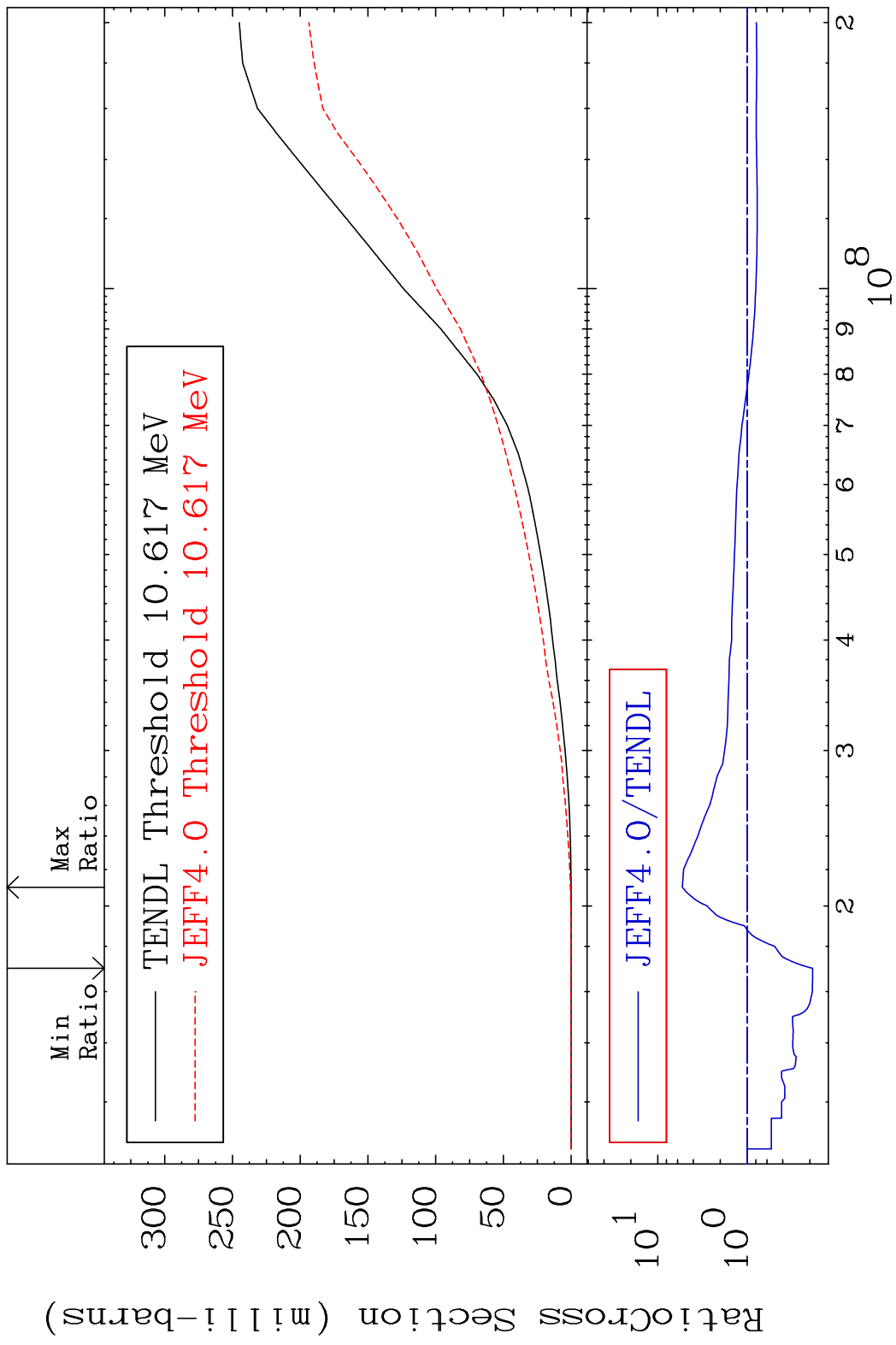


64

Incident Energy (eV)

20-Ca-42

MAT 2031 He-3 Production 20-Ca-42
 Cross Section -81.39 To 431.2 %



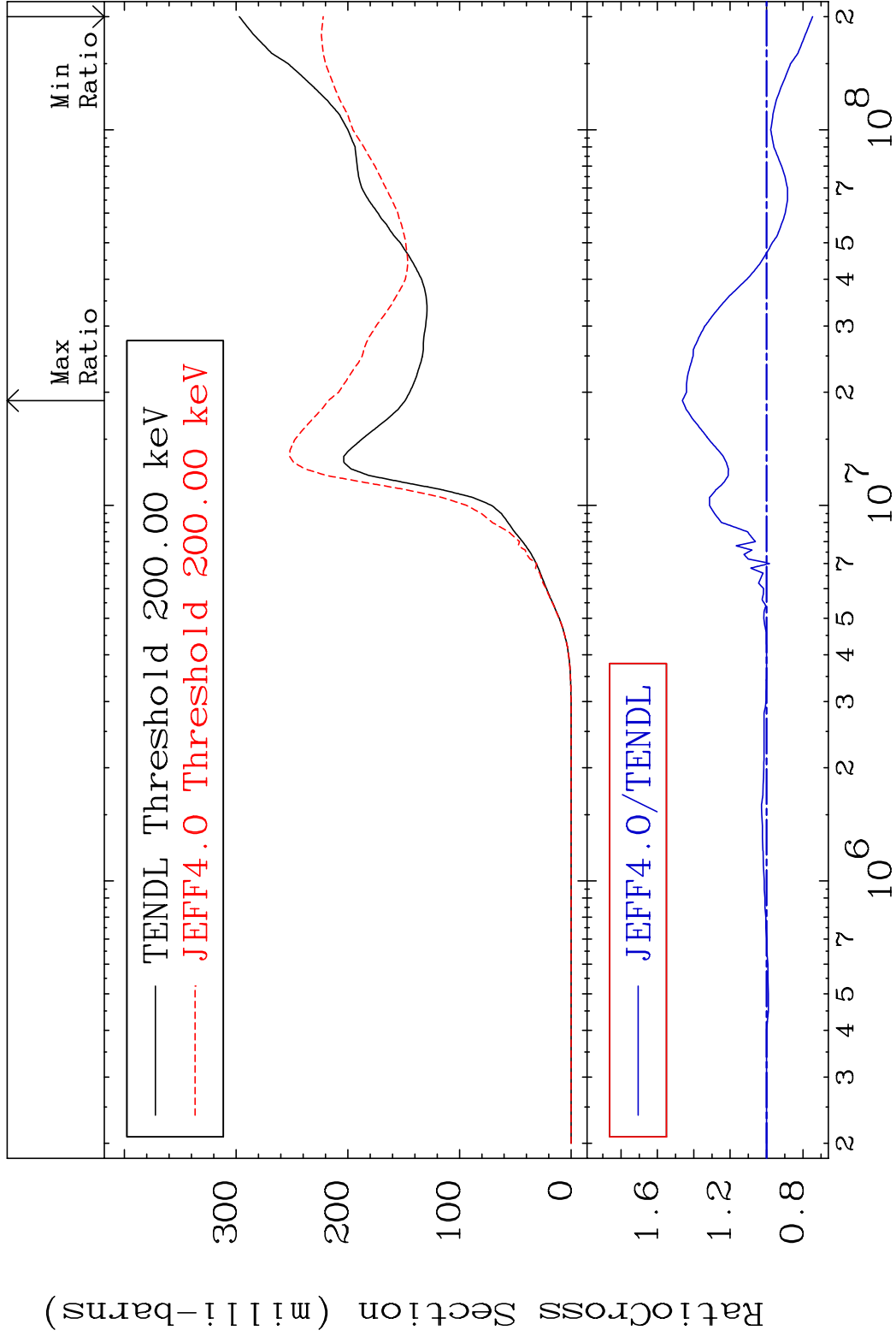
MAT 2031

He-4 Production

20-Ca-42

Cross Section

-25.30 To 46.29 %

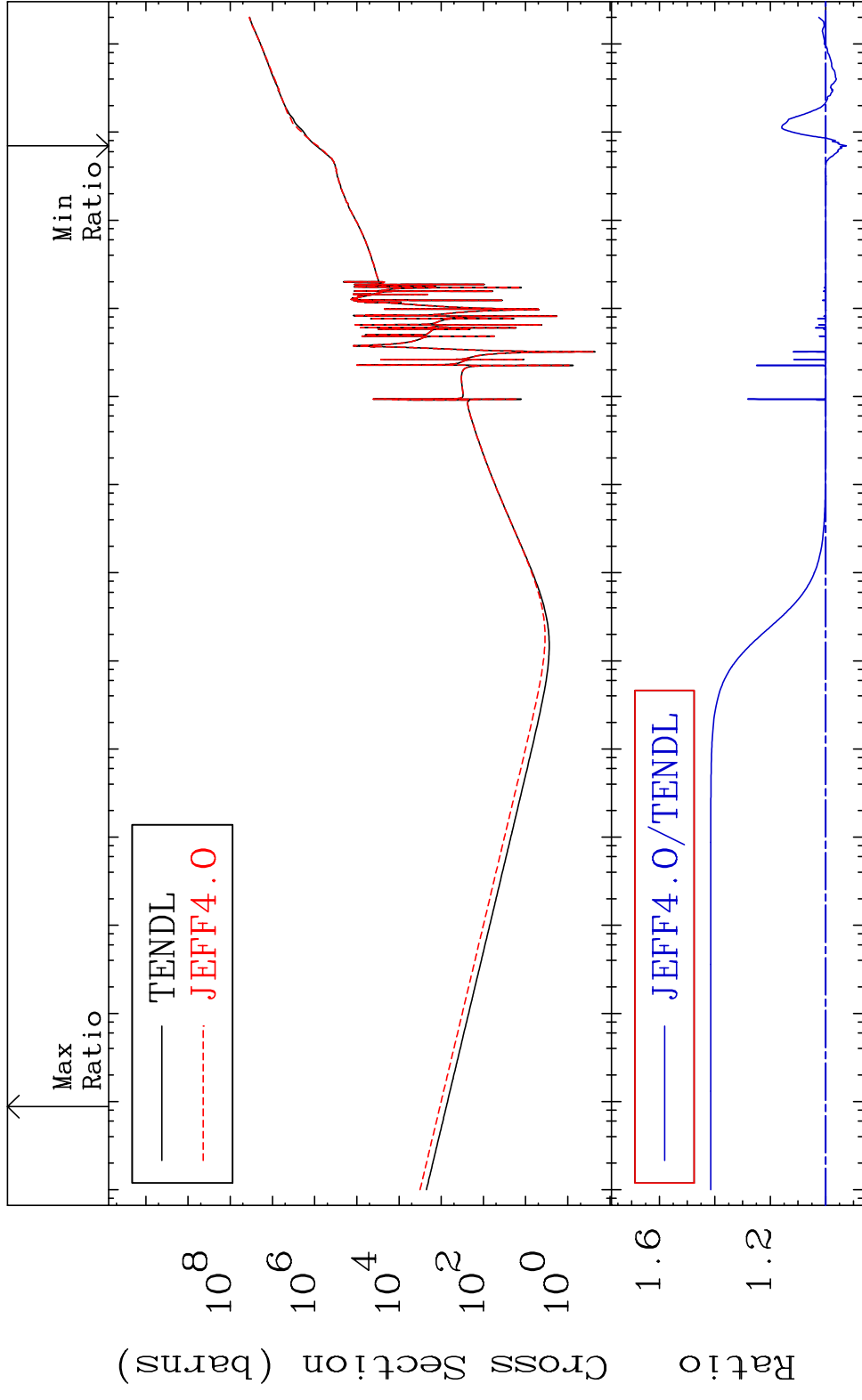


66

Incident Energy (eV)

20-Ca-42

MAT 2031 Kerma total (eV-barns) 20-Ca-42
 Cross Section -7.434 To 41.50 %



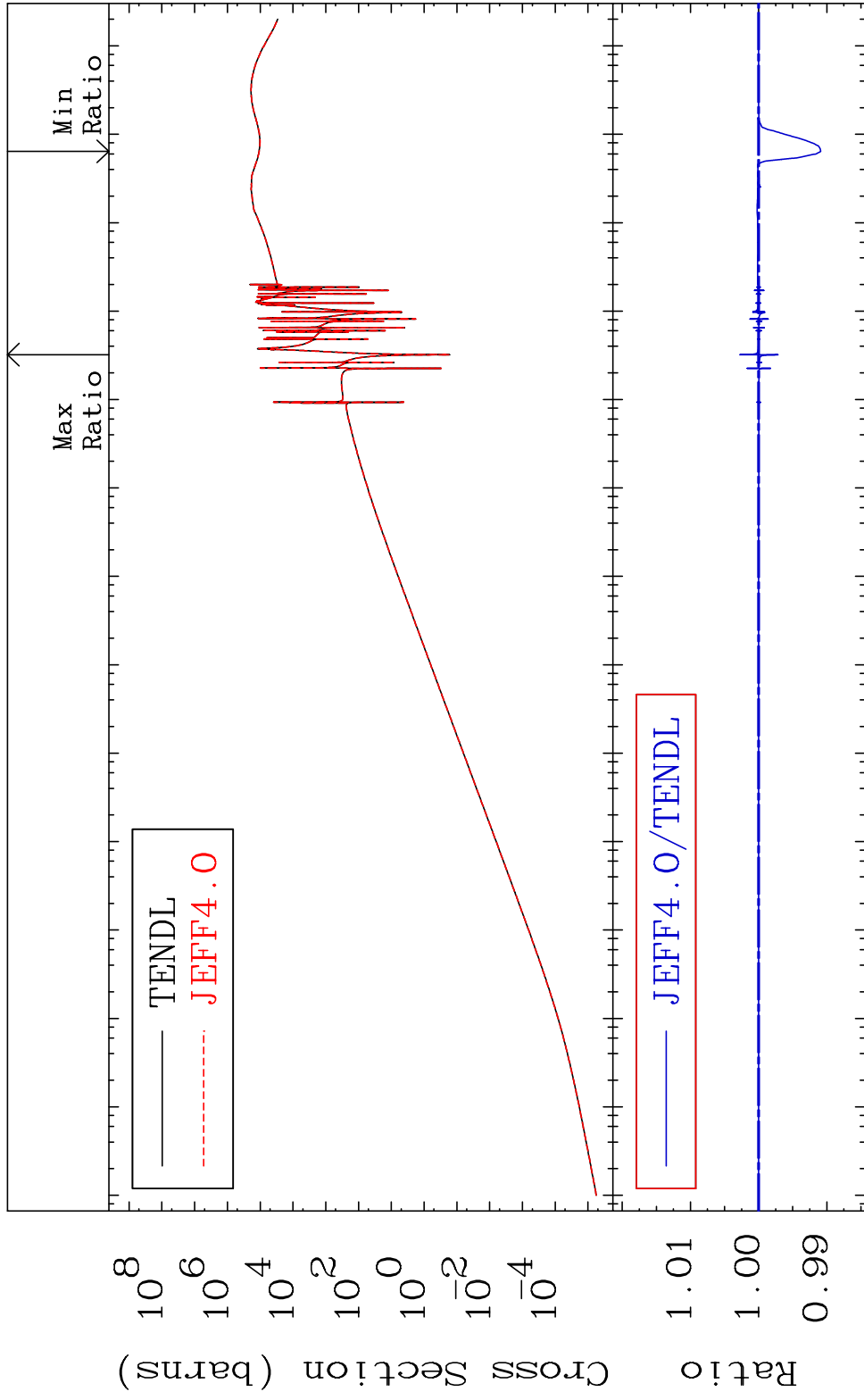
67 Incident Energy (eV) 20-Ca-42

MAT 2031

Kerma elastic

20-Ca-42

Cross Section -0.912 To 0.276 %

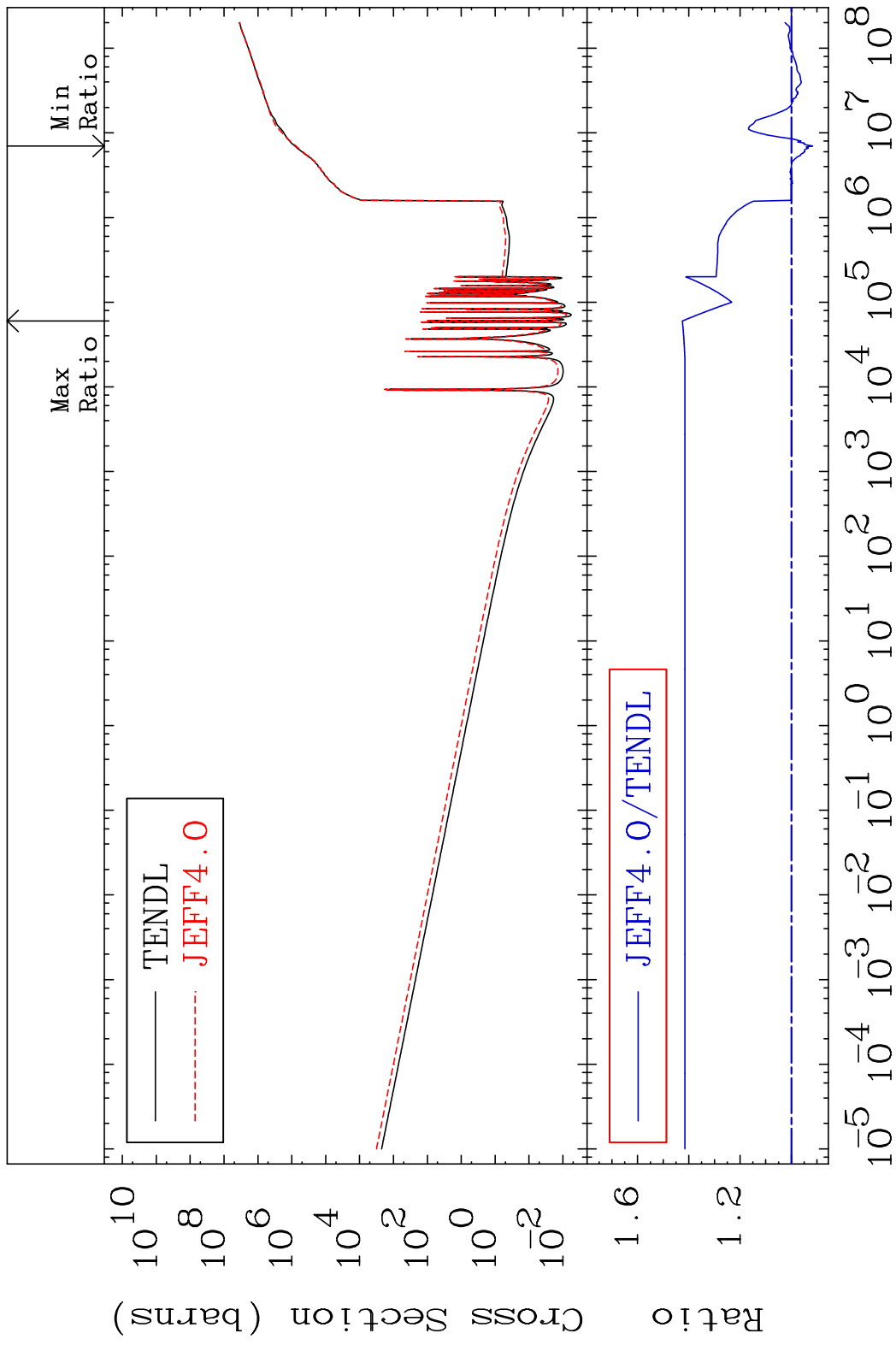


68

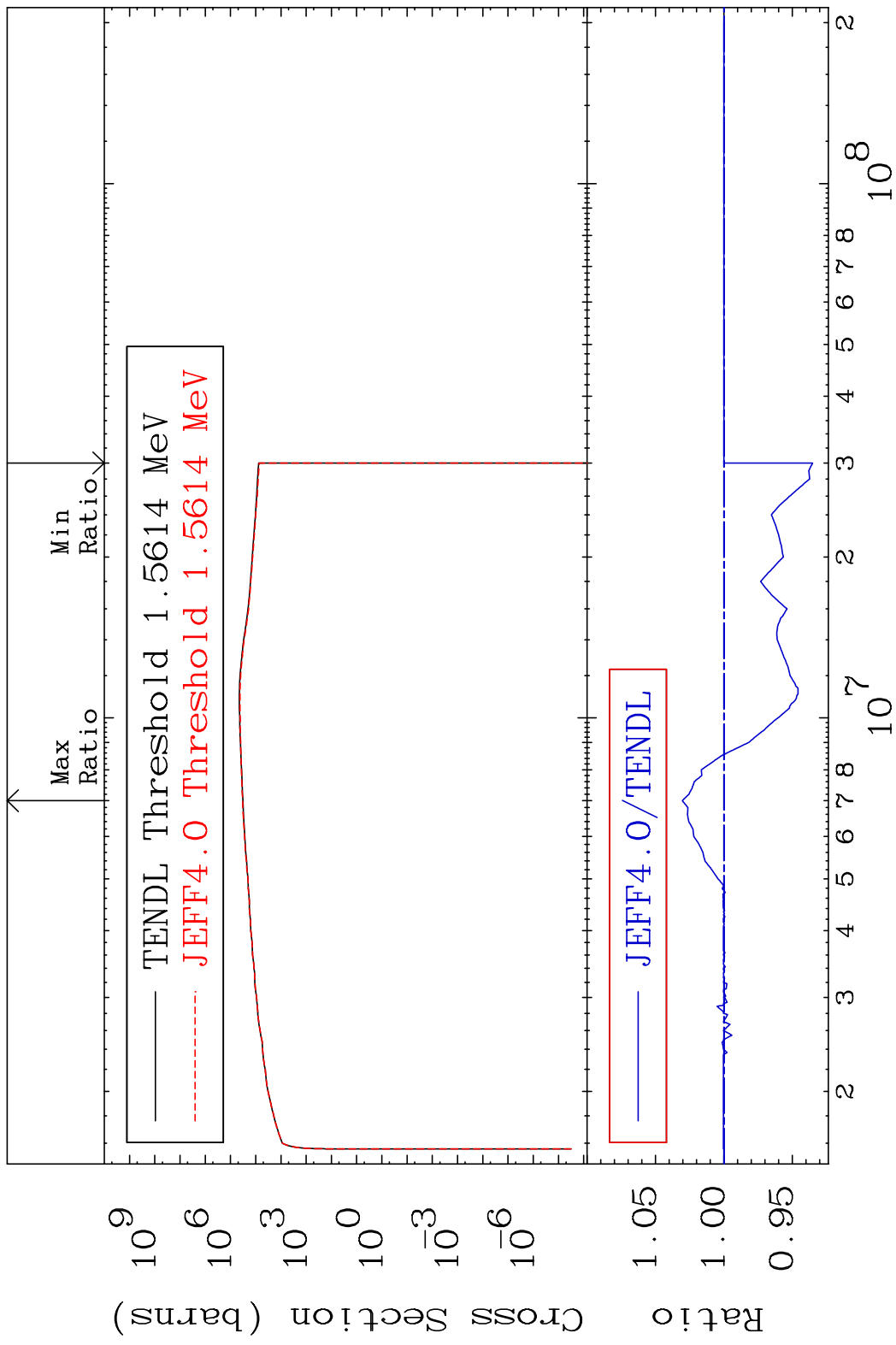
Incident Energy (eV)

20-Ca-42

MAT 2031 Kerma non-elastic (all but mt2) 20-Ca-42
 Cross Section -8.275 To 42.53 %

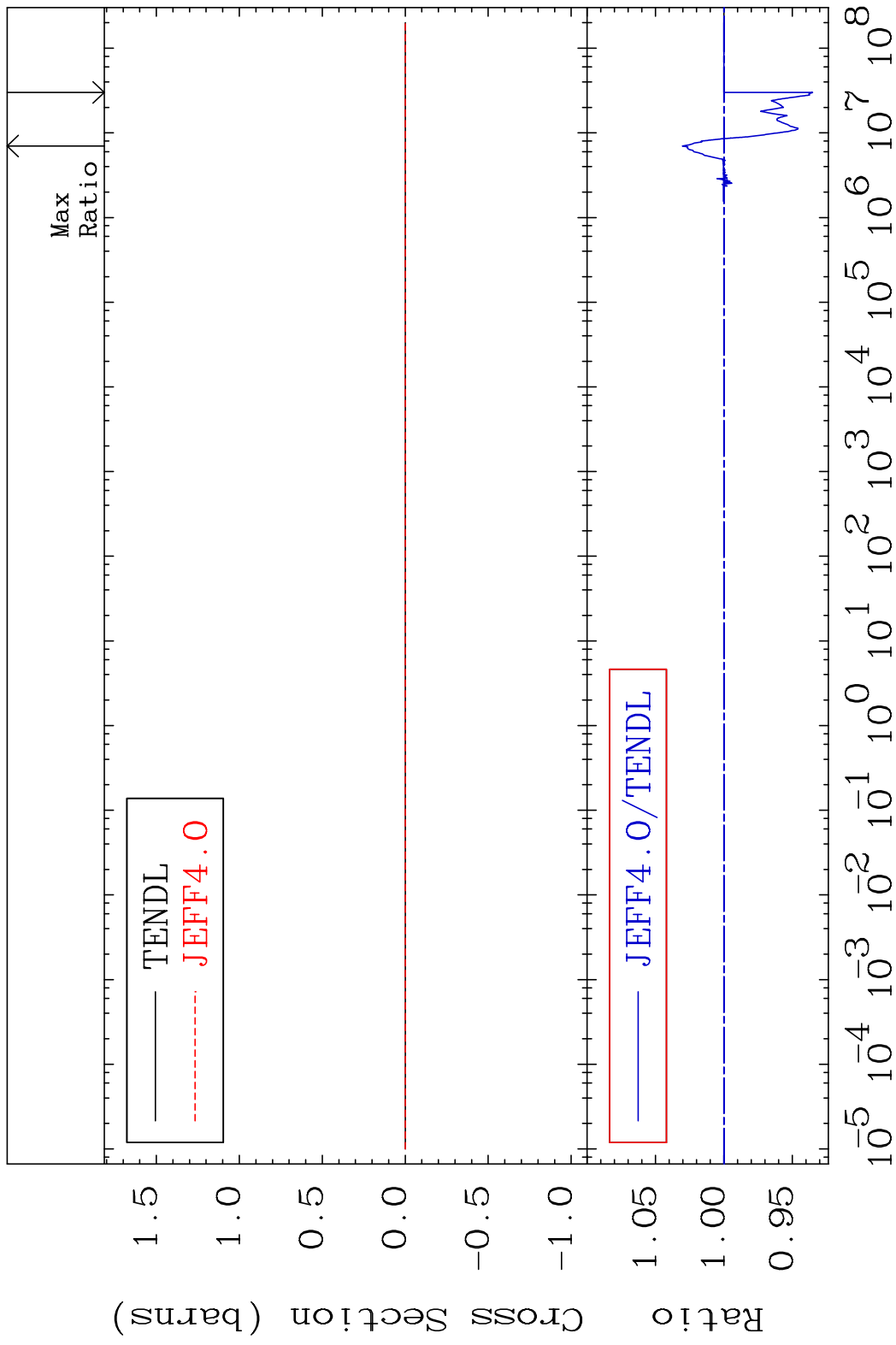


MAT 2031 Kerma inelastic (mt51-91) 20-Ca-42
 Cross Section -6.478 To 3.038 %



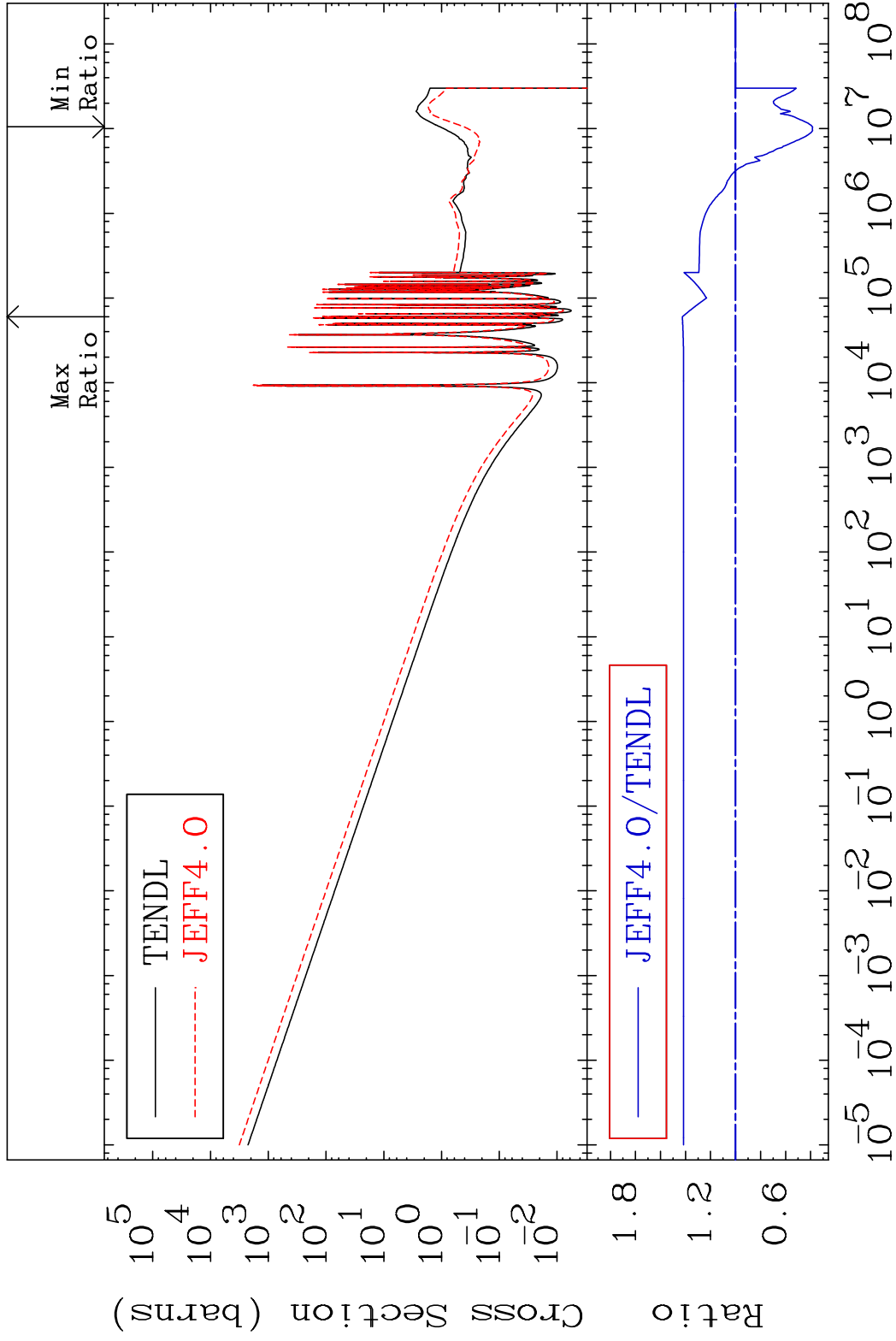
70 Incident Energy (eV) 20-Ca-42

MAT 2031 Kerma fission (mt18 or mt19-20-21-38) 20-Ca-42
 Cross Section -6.478 To 3.038 %



MAT 2031

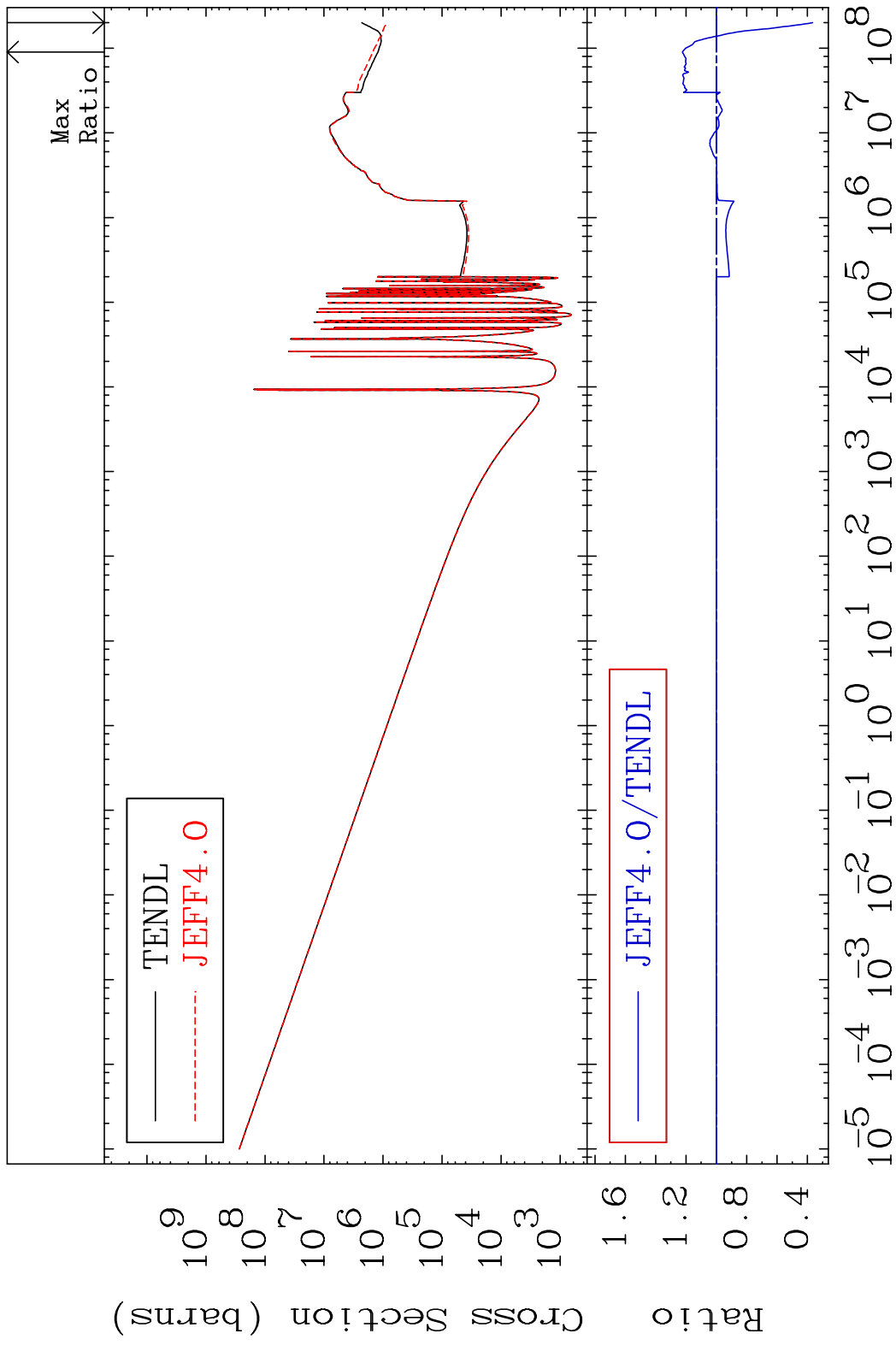
Kerma capture (mt102) 20-Ca-42
Cross Section -61.55 To 42.53 %



72

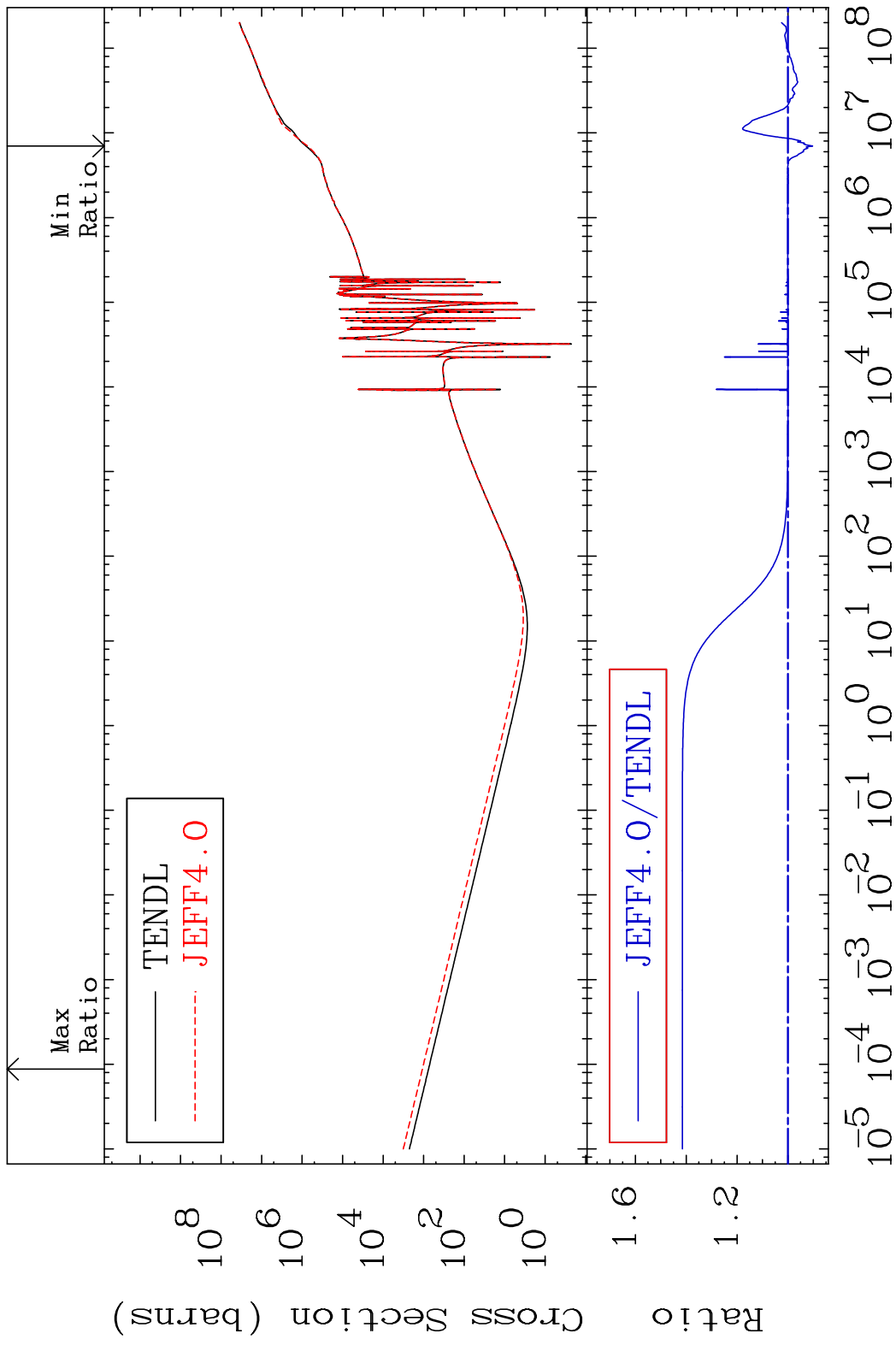
Incident Energy (eV) 20-Ca-42

MAT 2031 Total photon (eV-barns) 20-Ca-42
 Cross Section -63.38 To 22.41 %

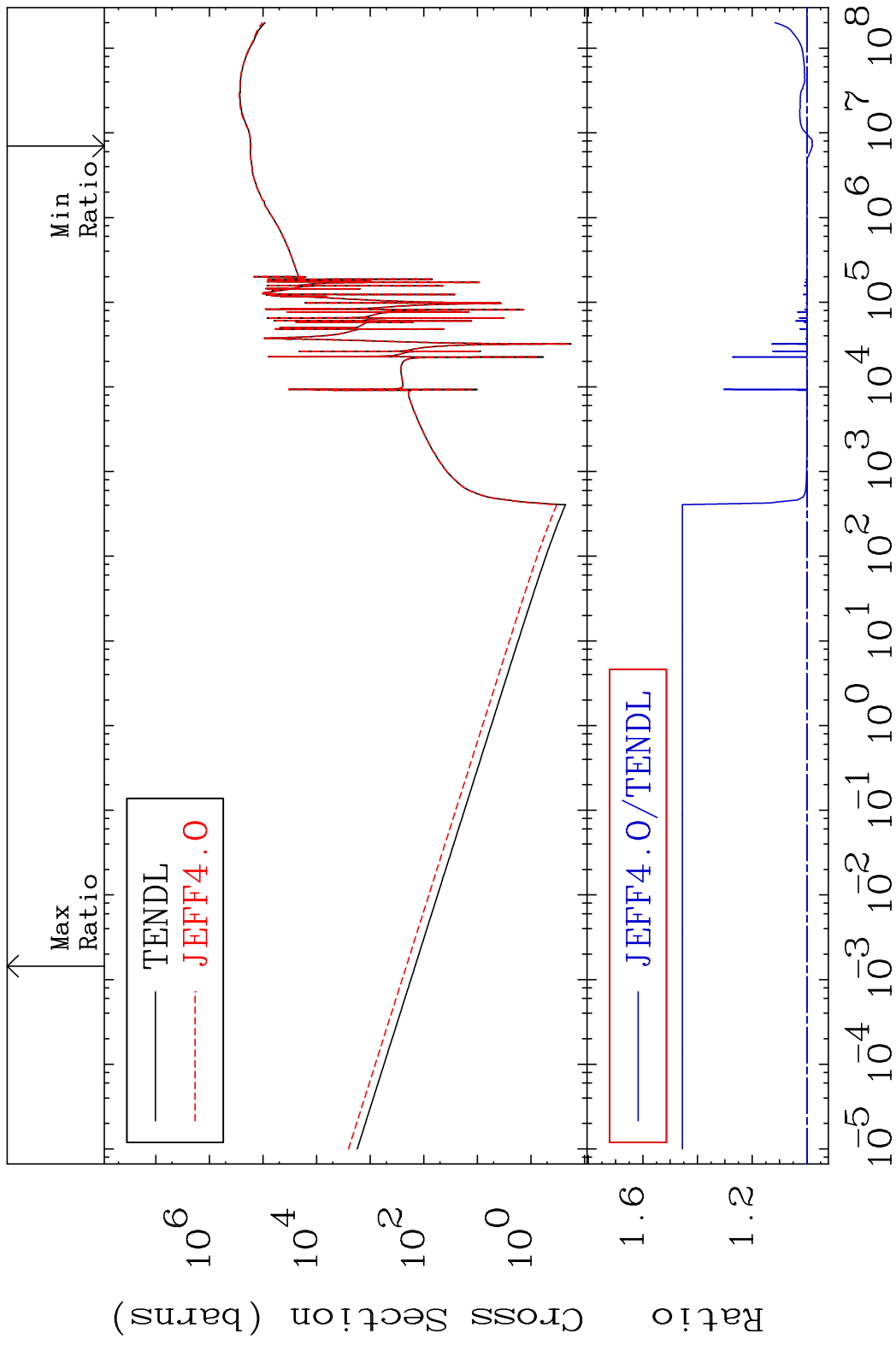


73 Incident Energy (eV) 20-Ca-42

MAT 2031 Total kinematic kerma (high limit) 20-Ca-42
 Cross Section -9.702 To 41.50 %



MAT 2031 Dpa total (eV-barns) 20-Ca-42
Cross Section -2.038 To 45.55 %

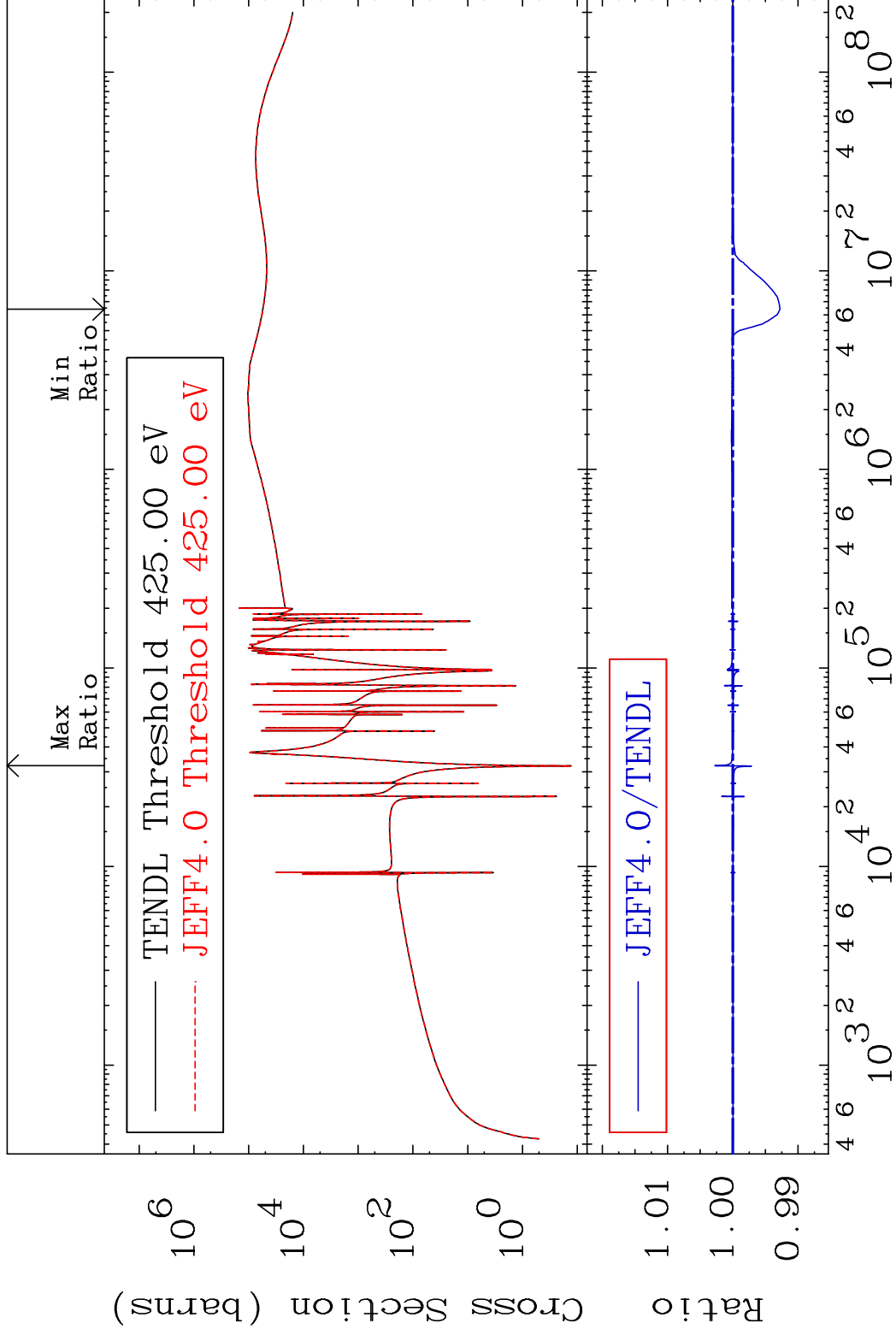


MAT 2031

Dpa elastic (mt2)

20-Ca-42

Cross Section -0.723 To 0.276 %

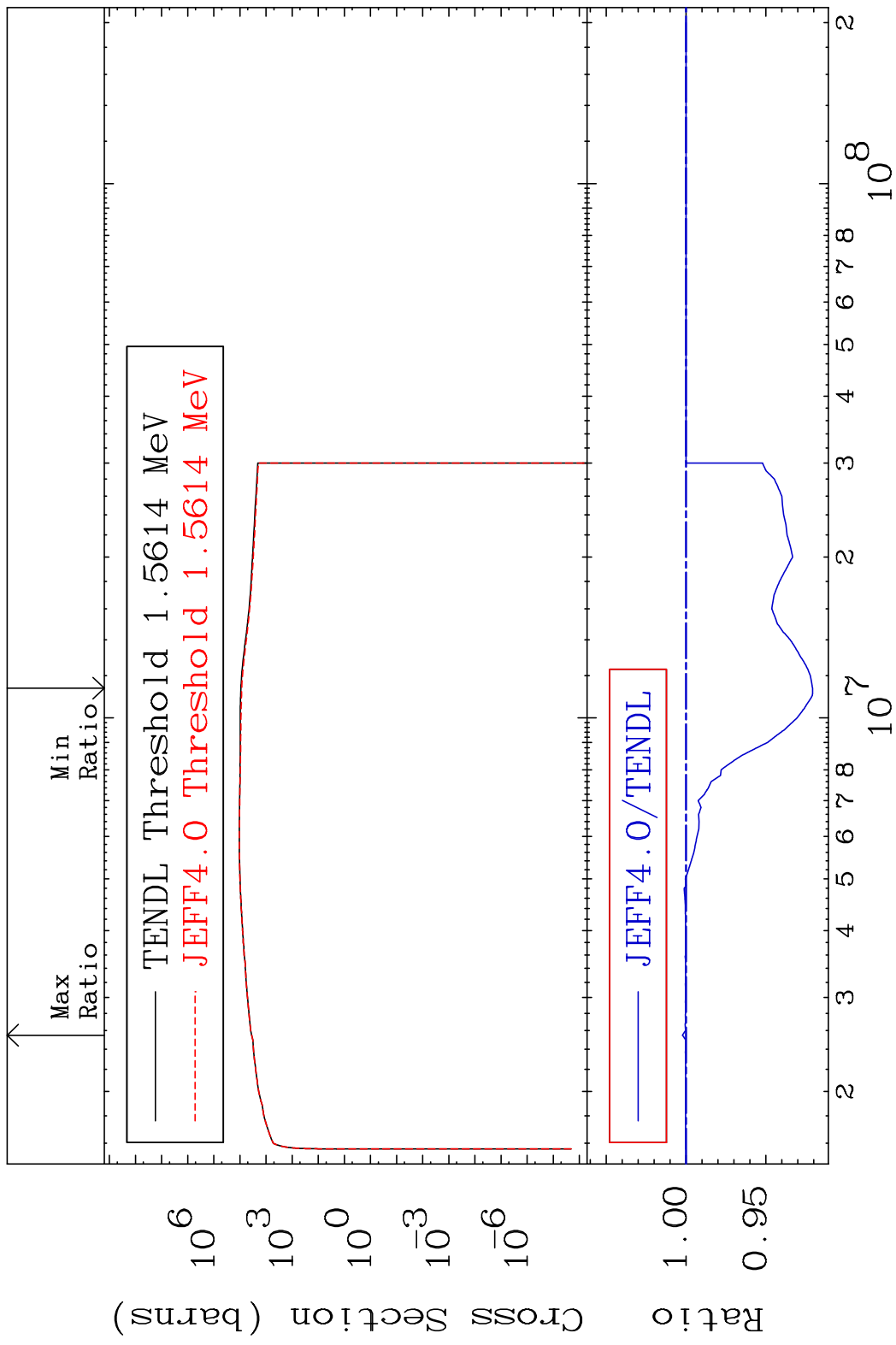


76

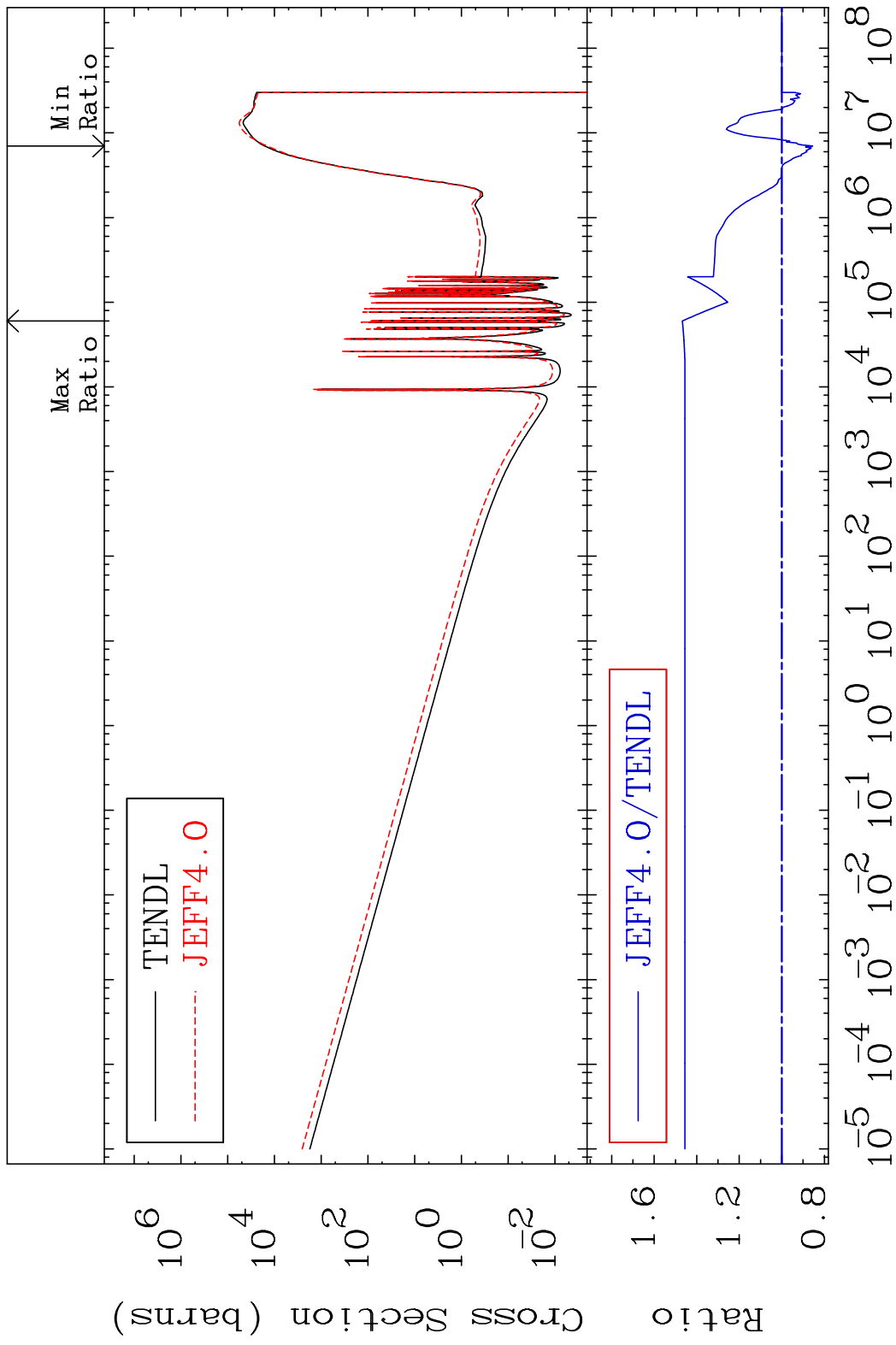
Incident Energy (eV)

20-Ca-42

MAT 2031 Dpa inelastic (mt51-91) 20-Ca-42
 Cross Section -7.926 To 0.233 %



MAT 2031 Dpa disappearance (mt102 -120) 20-Ca-42
 Cross Section -14.44 To 46.75 %



MAT 2031 (n,p) α :17-Cl-38g 20-Ca-42
 Radionuclide Production Cross Section 166.2 %

