

Program Complot
(Version 2021-1)

by

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Press Mouse Button to Start

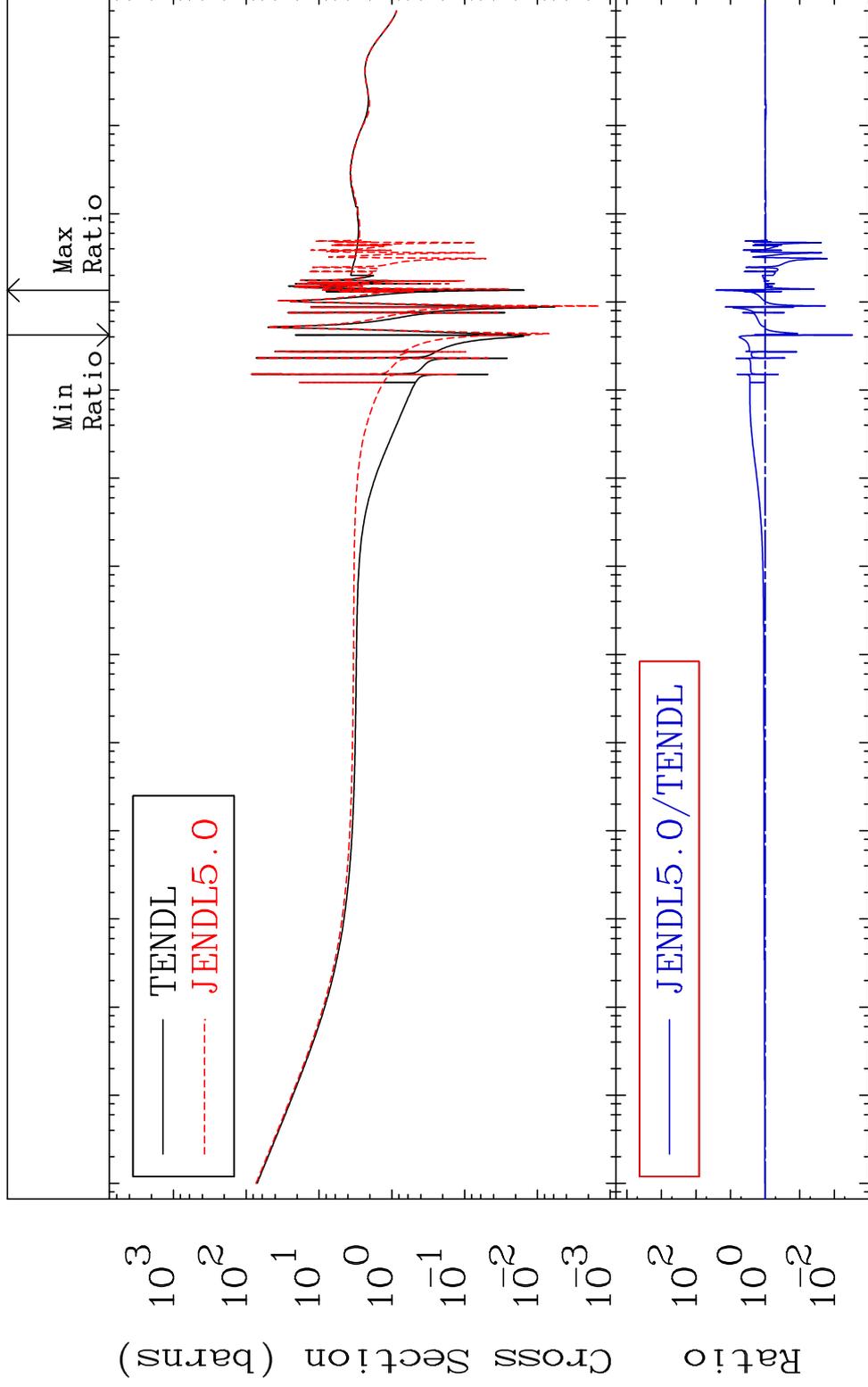
MAT 2037

Total

20-Ca-44

Cross Section

-99.70 To 2564. %



1

Incident Energy (eV)

20-Ca-44

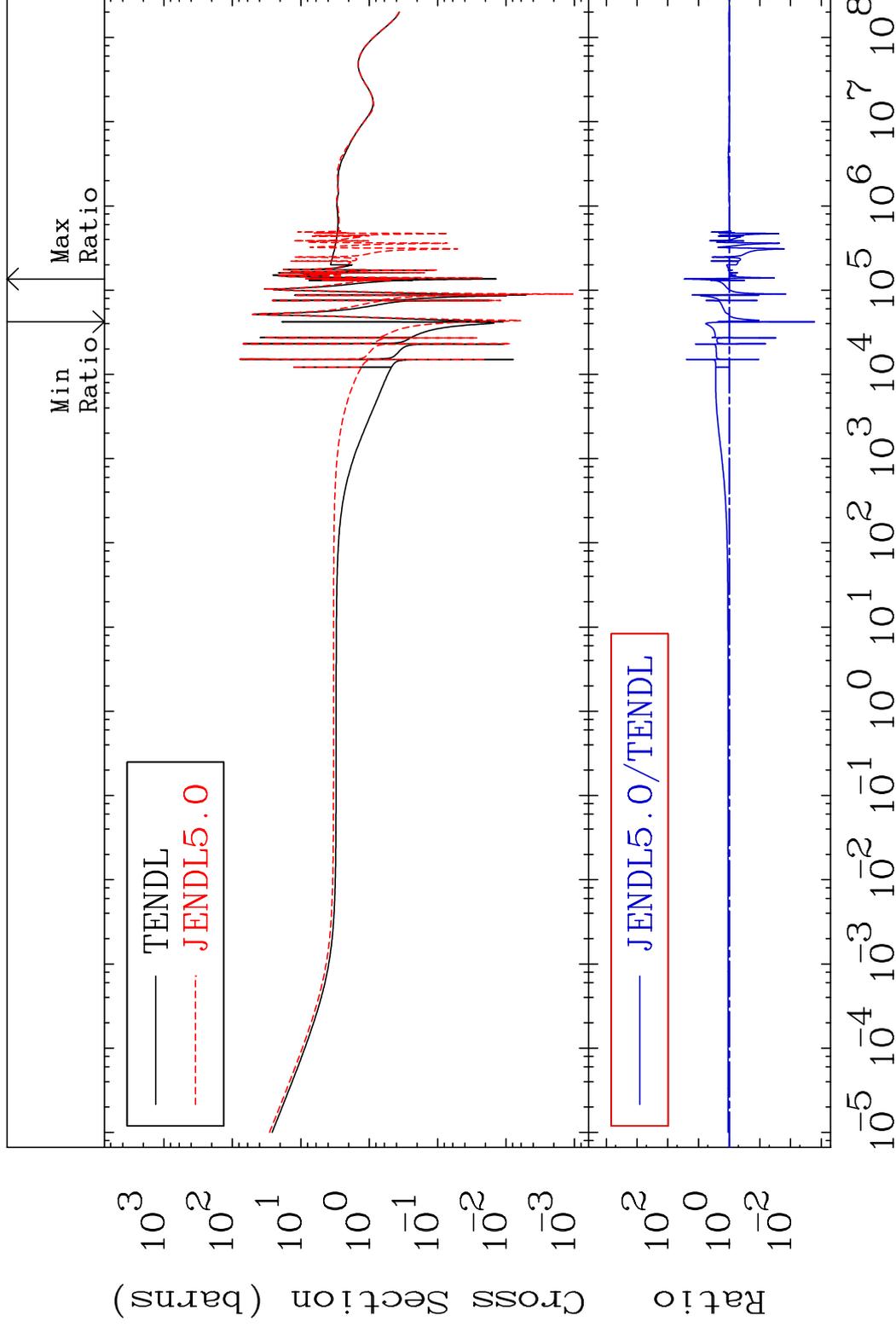
MAT 2037

Elastic

20-Ca-44

Cross Section

-99.84 To 2837. %

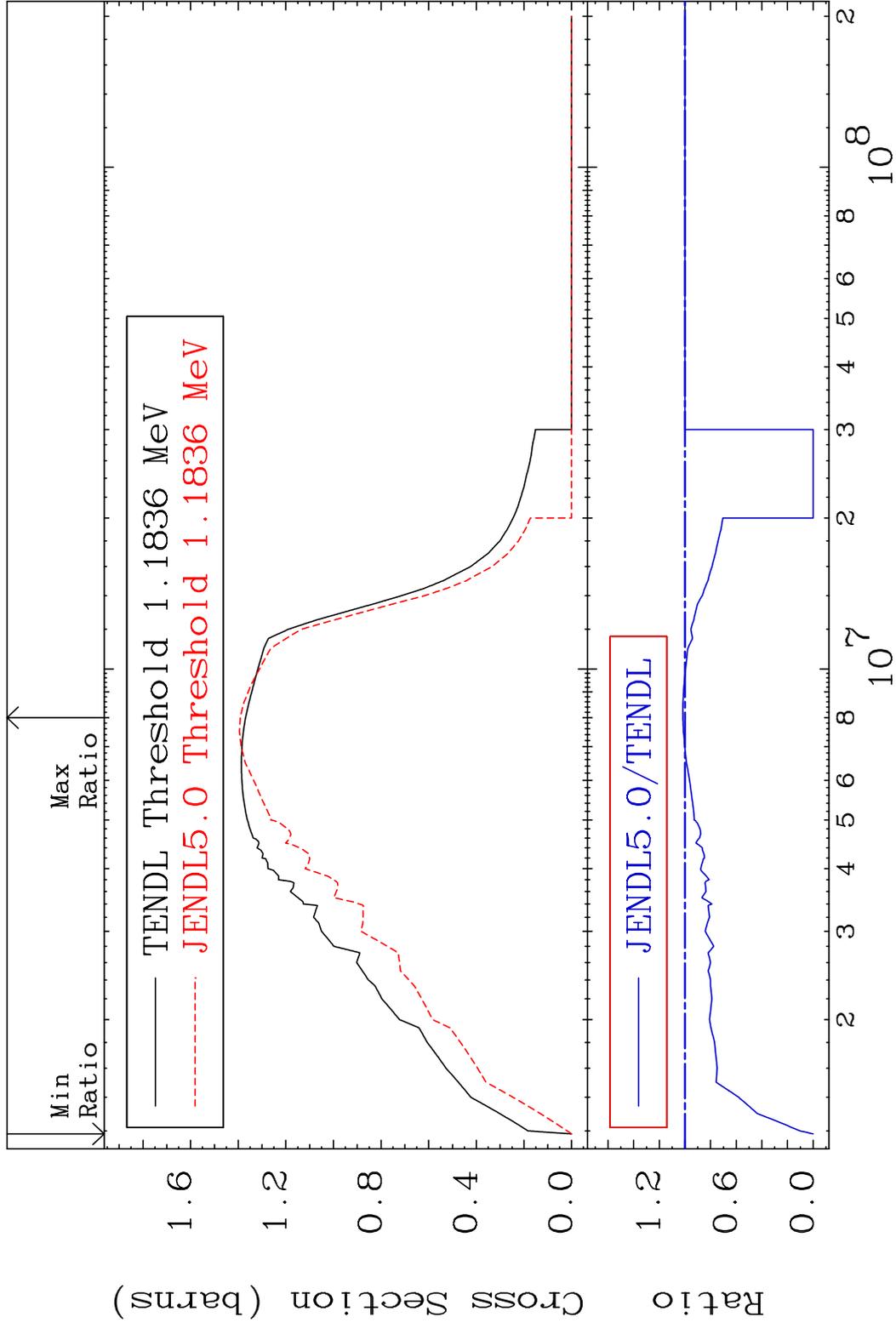


2

Incident Energy (eV)

20-Ca-44

MAT 2037 Inelastic 20-Ca-44
 Cross Section -100.0 To 1.648 %

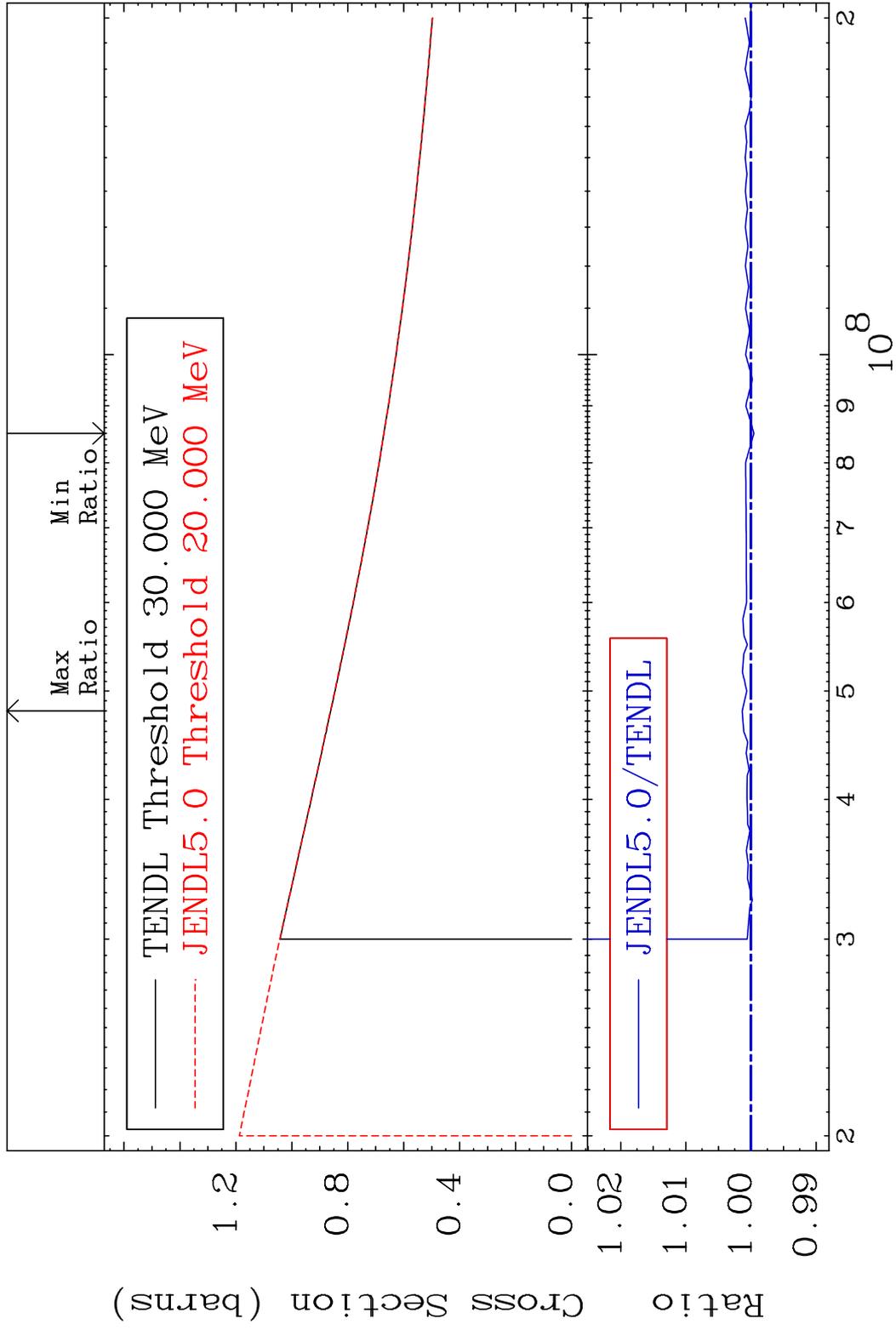


MAT 2037

(n, remainder)

20-Ca-44

Cross Section -0.045 To 0.135 %



4

Incident Energy (eV)

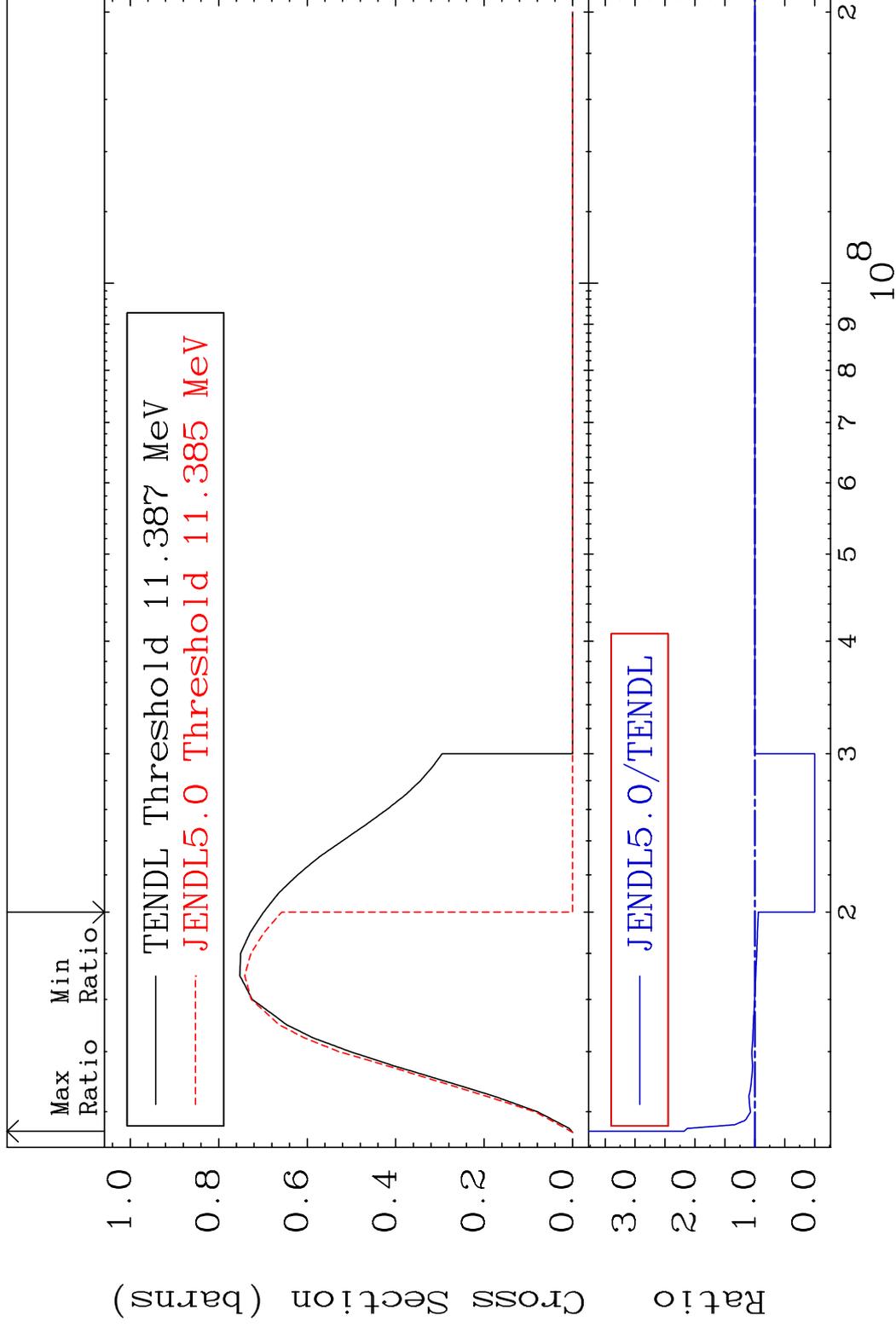
20-Ca-44

MAT 2037

(n,2n)

20-Ca-44

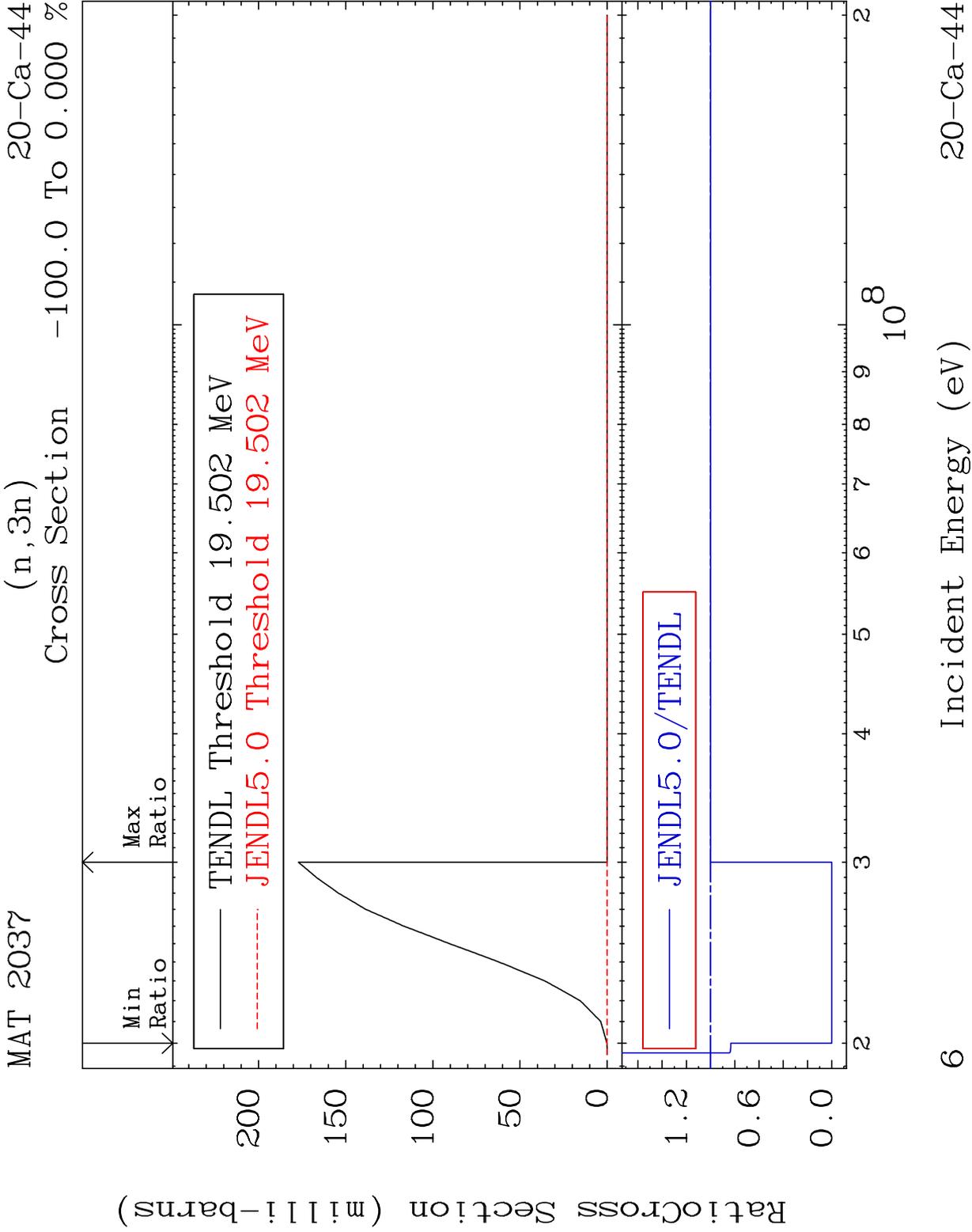
Cross Section -100.0 To 118.1 %



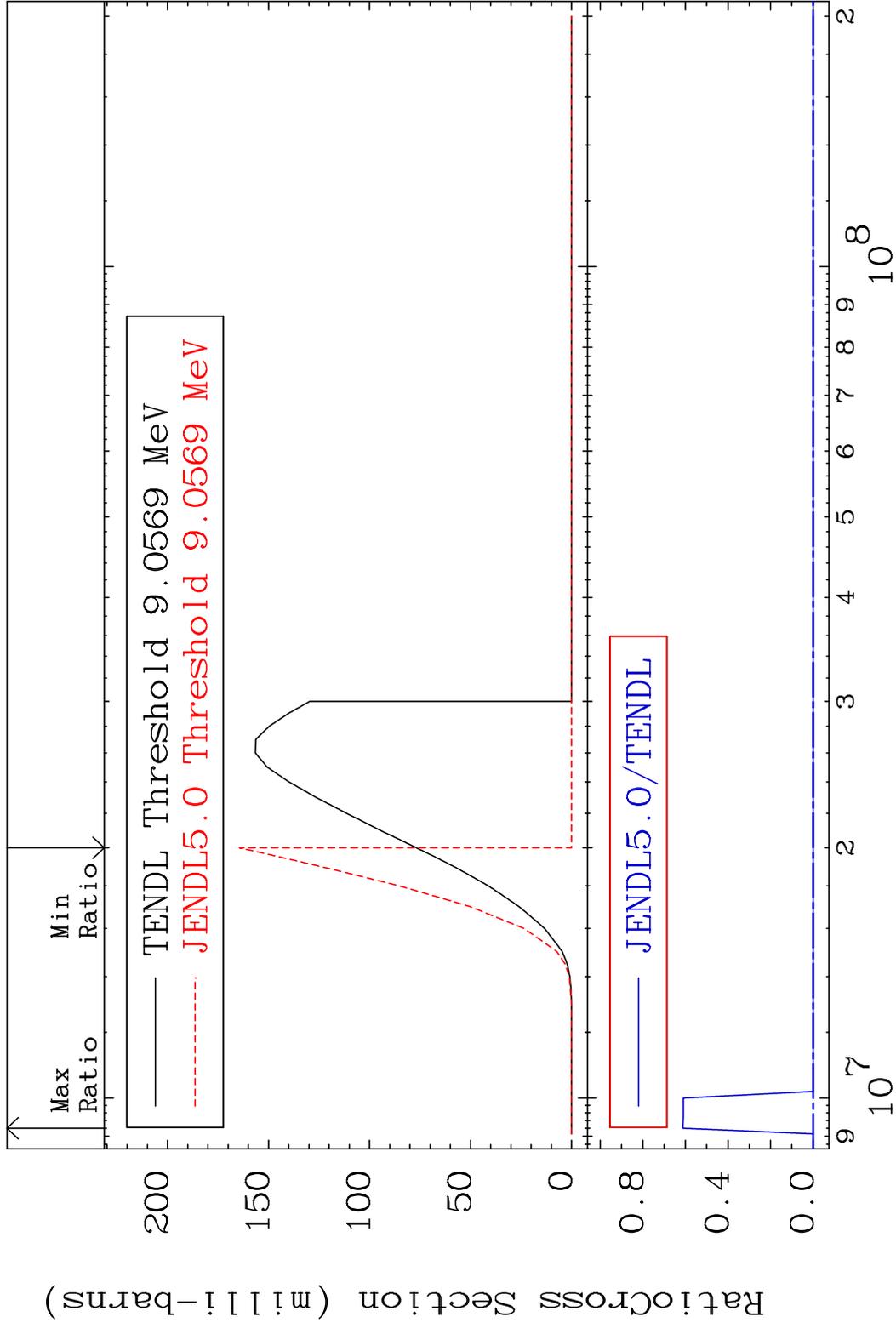
5

Incident Energy (eV)

20-Ca-44



MAT 2037 (n, n') α 20-Ca-44
 Cross Section -100.0 To 9999. %



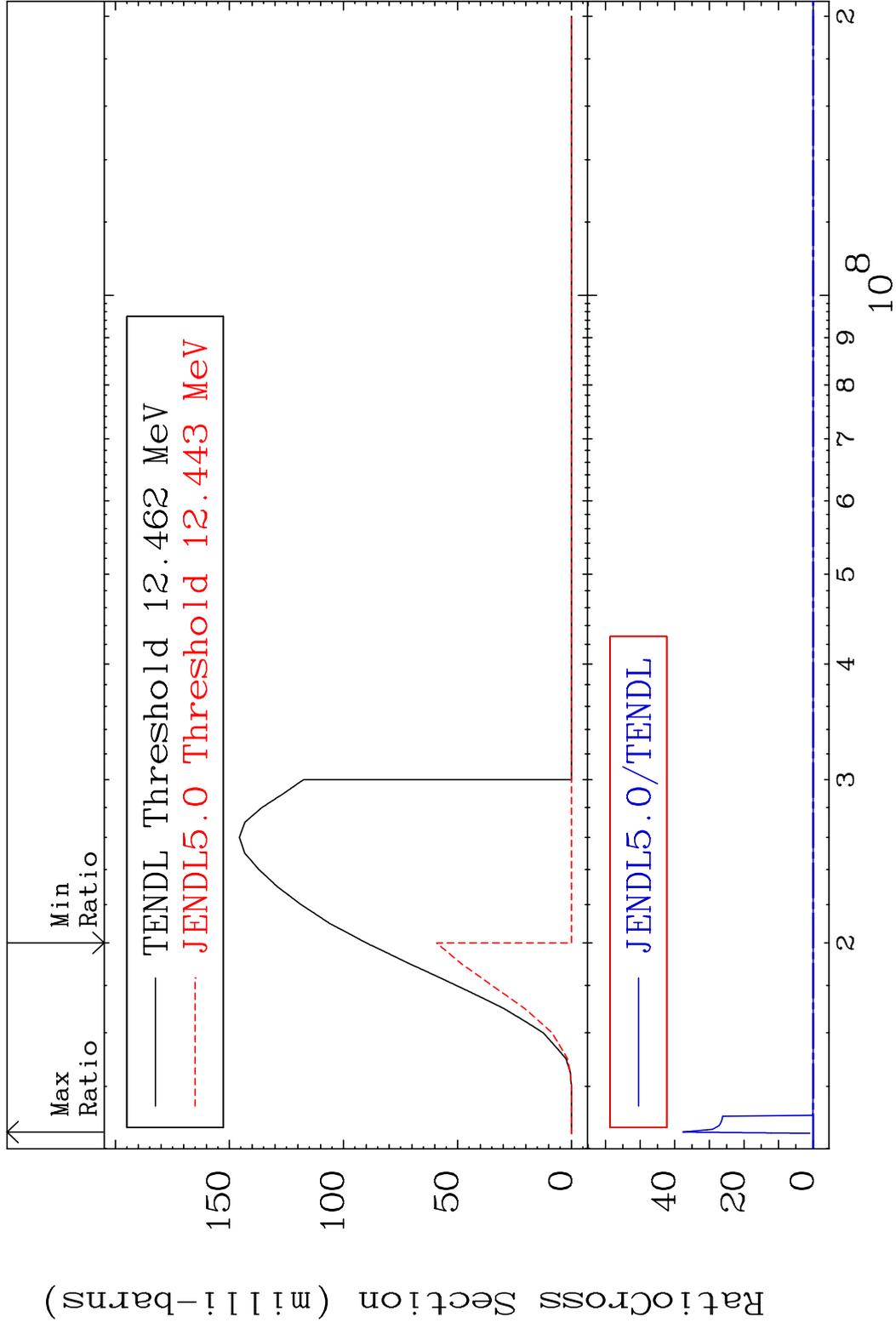
7 Incident Energy (eV) 20-Ca-44

MAT 2037

(n, n') p

20-Ca-44

Cross Section -100.0 To 9999. %

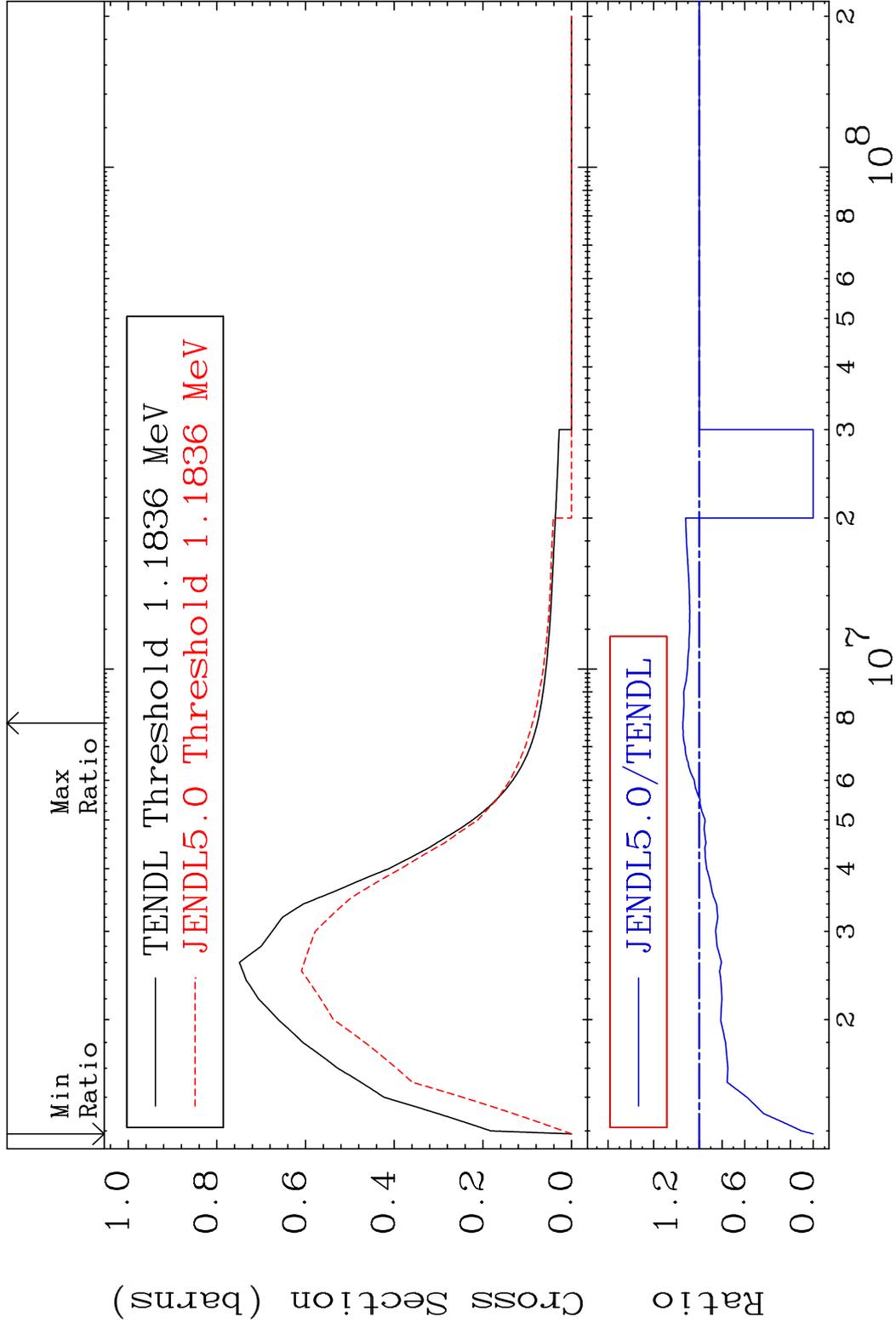


8

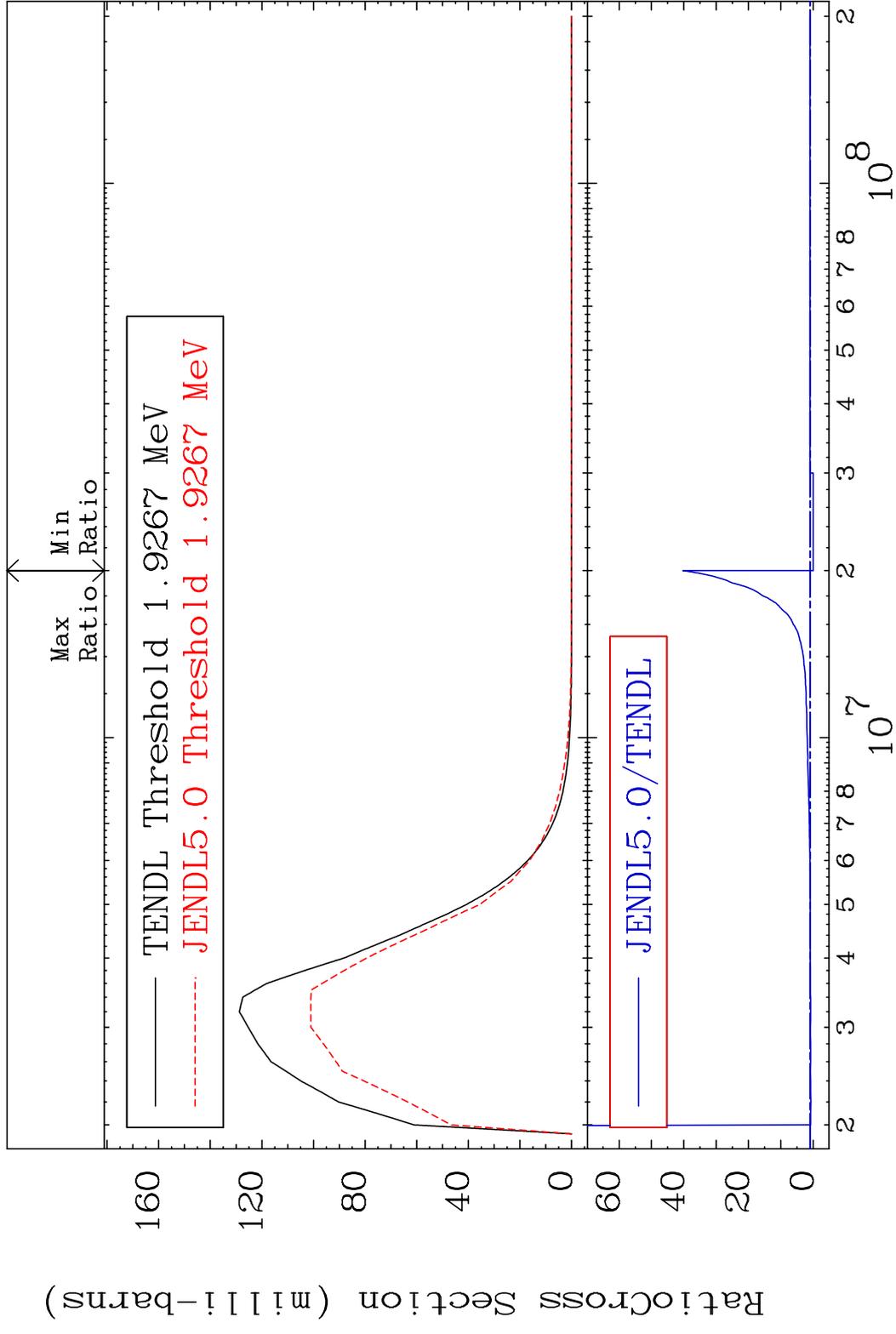
Incident Energy (eV)

20-Ca-44

MAT 2037 MT= 51 (n,n') Level 20-Ca-44
 Cross Section -100.0 To 14.40 %

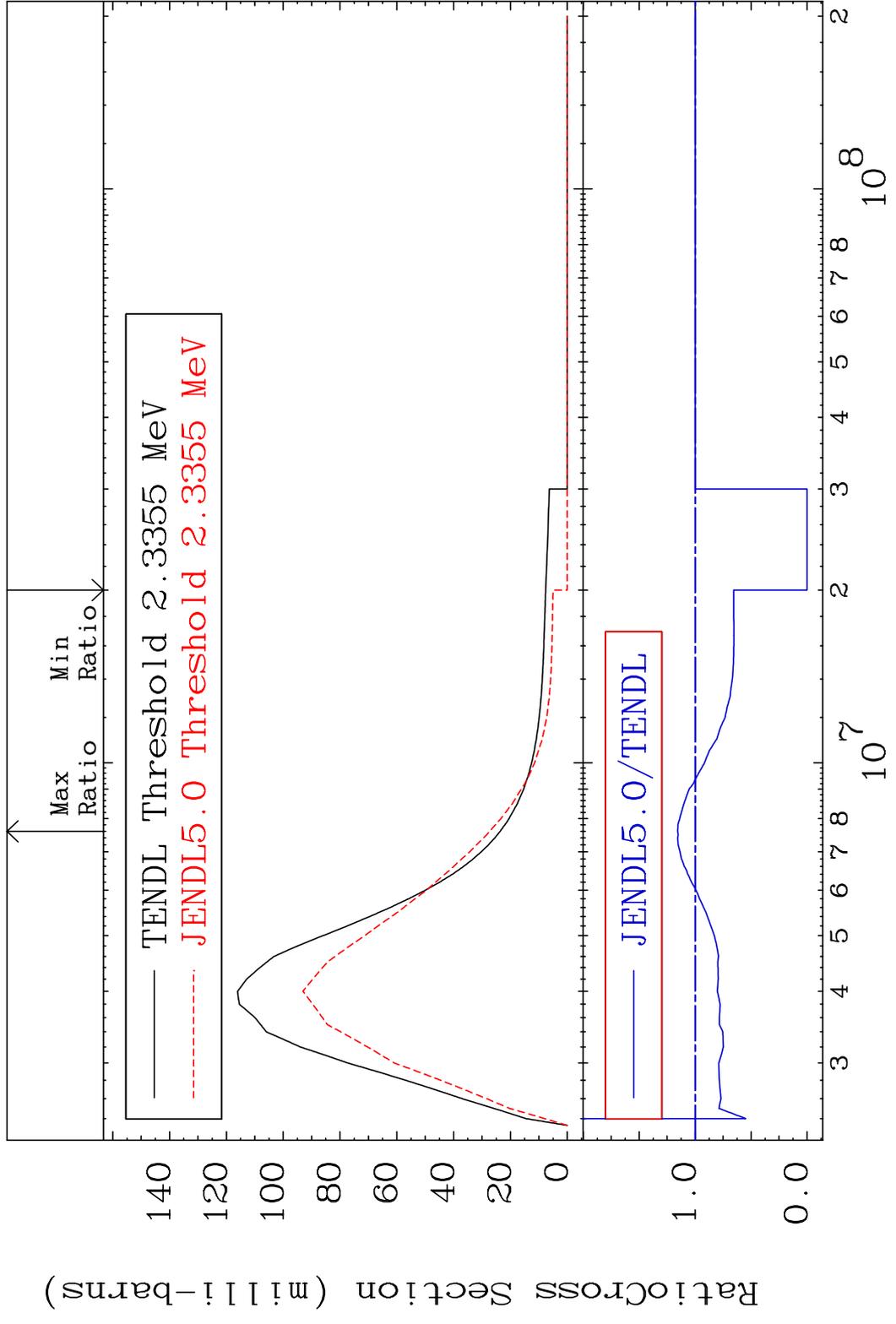


MAT 2037 MT= 52 (n, n') Level 20-Ca-44
 Cross Section -100.0 To 3930. %



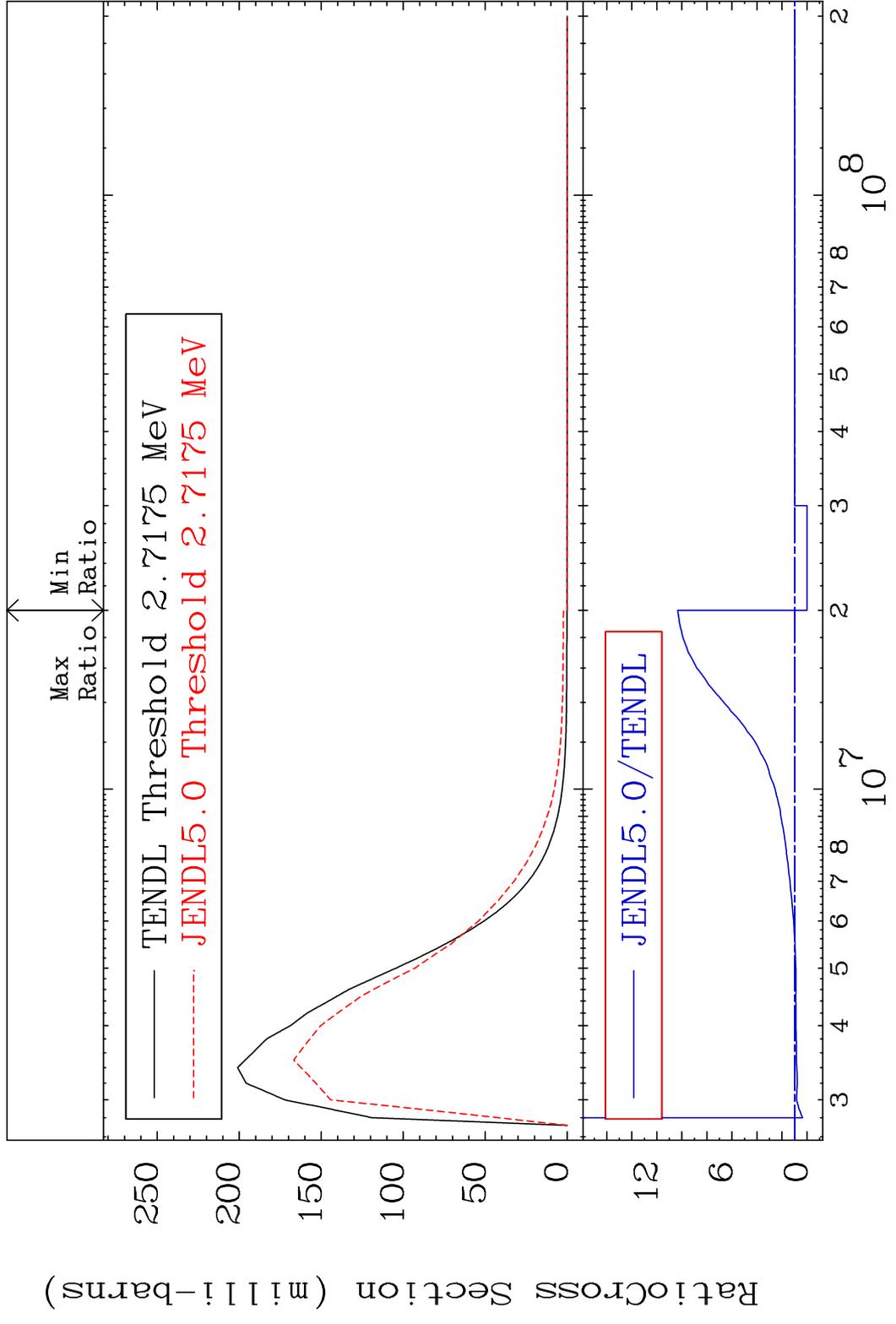
10 Incident Energy (eV) 20-Ca-44

MAT 2037 MT= 53 (n, n') Level 20-Ca-44
 Cross Section -100.0 To 15.60 %

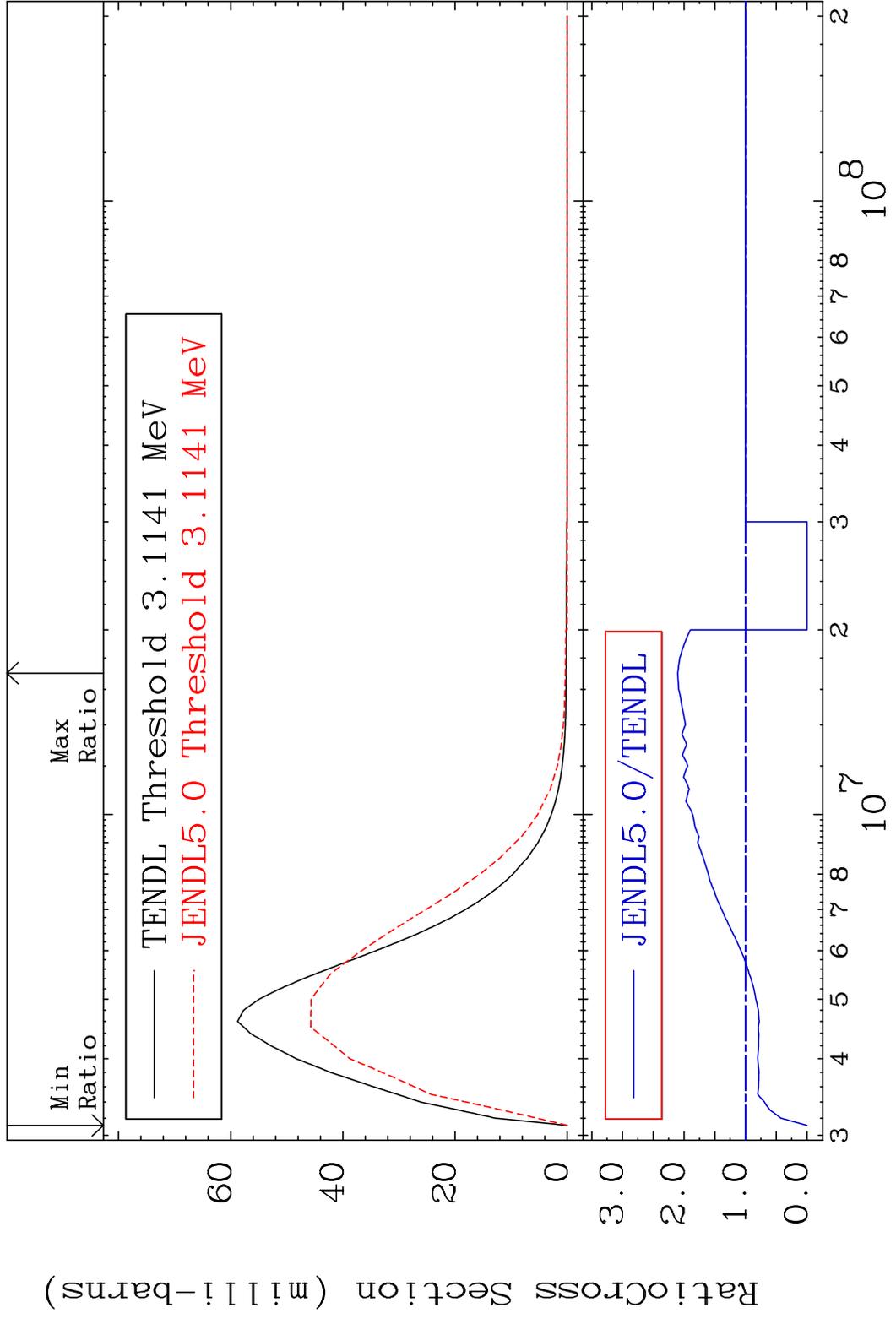


11 Incident Energy (eV) 20-Ca-44

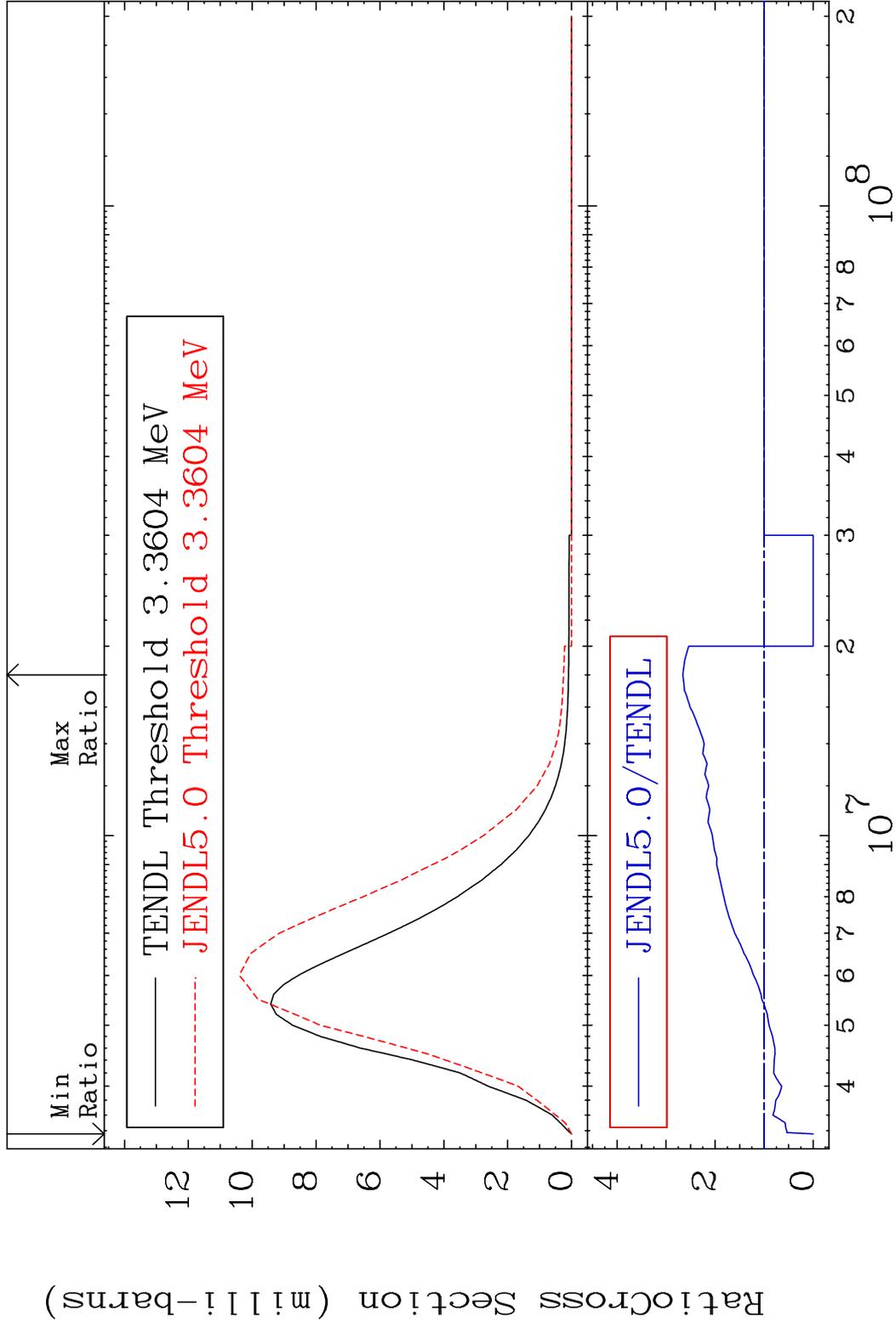
MAT 2037 MT= 54 (n, n') Level 20-Ca-44
 Cross Section -100.0 To 933.4 %



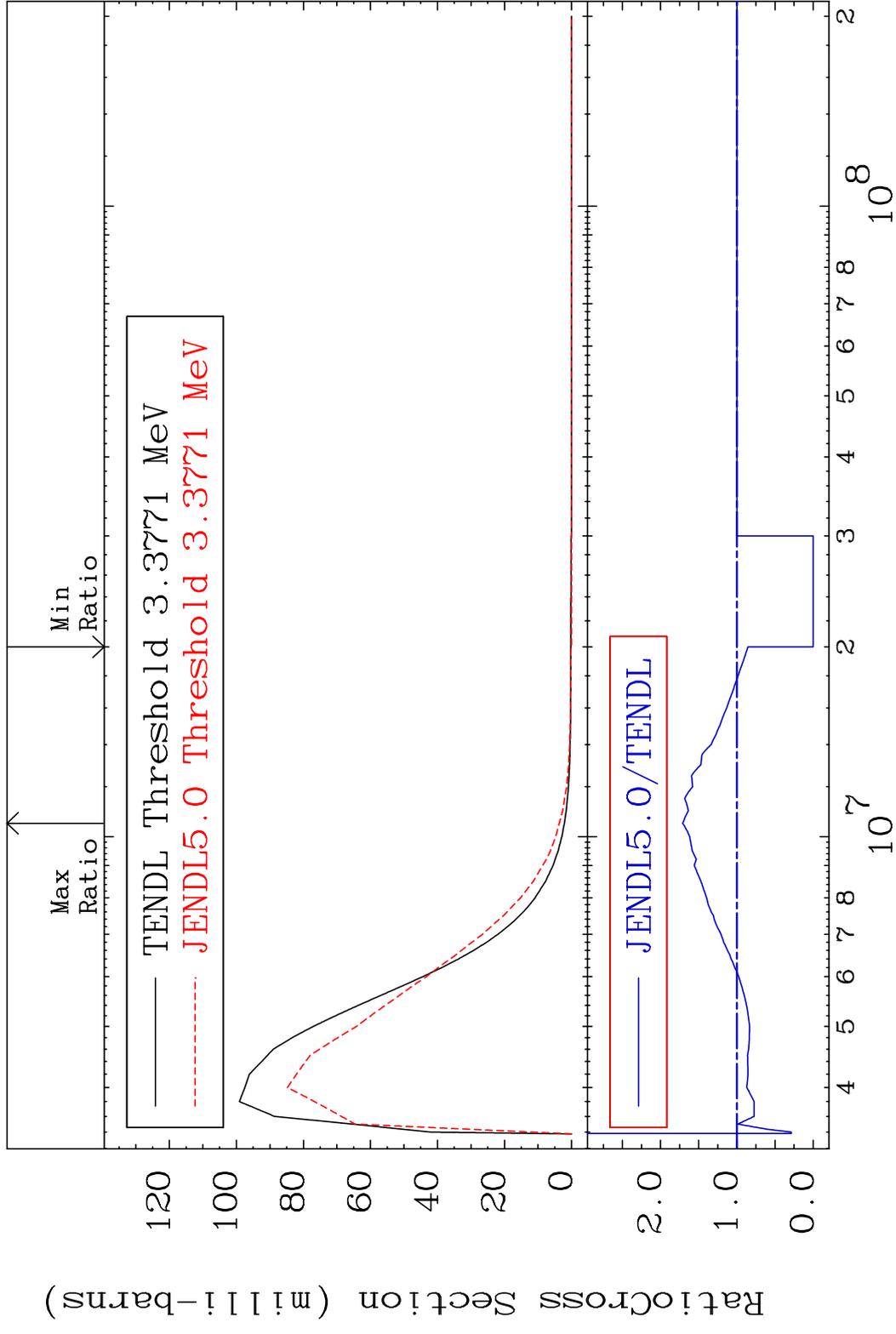
MAT 2037 MT= 55 (n, n') Level 20-Ca-44
 Cross Section -100.0 To 110.3 %



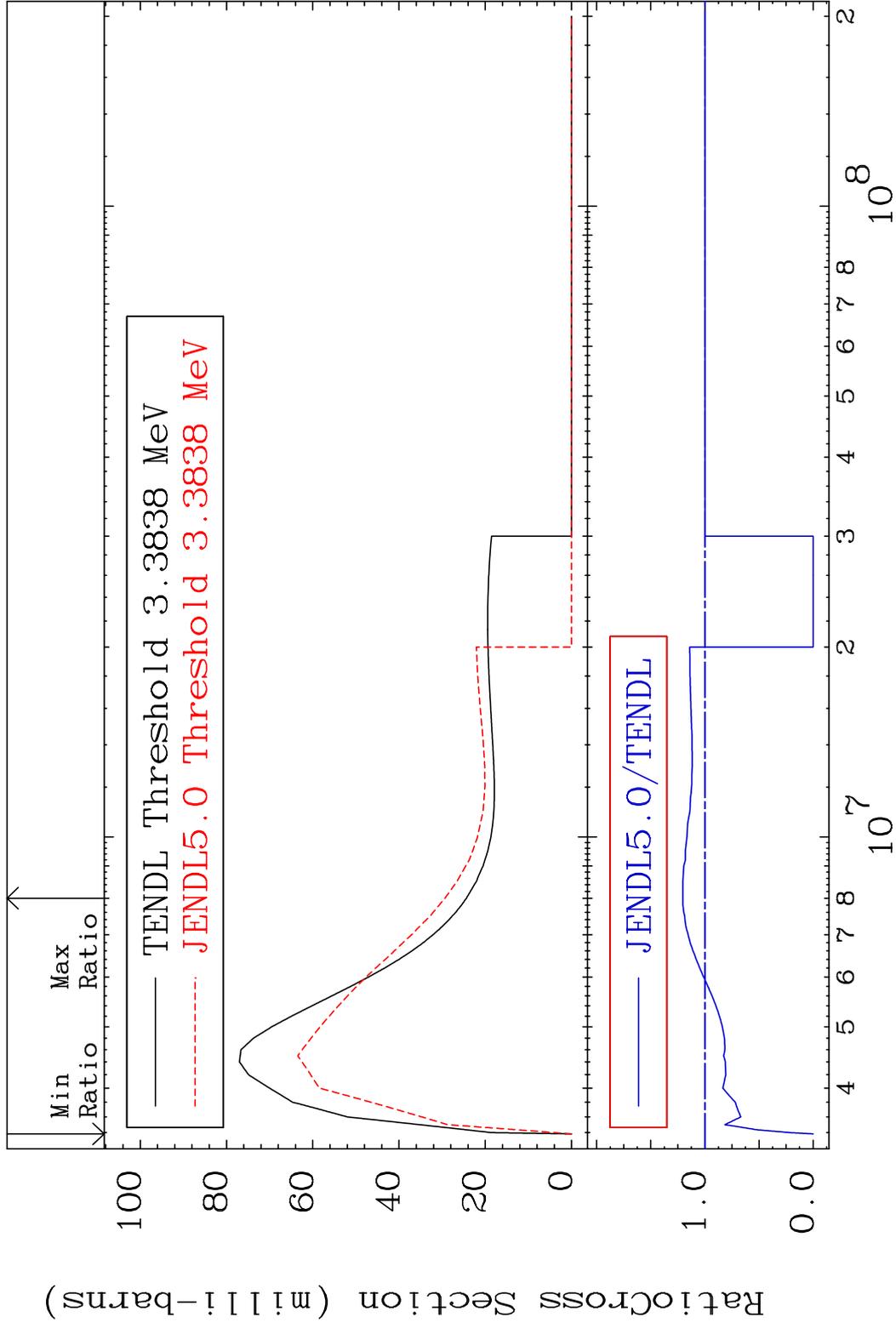
MAT 2037 MT= 56 (n,n') Level 20-Ca-44
 Cross Section -100.0 To 165.8 %



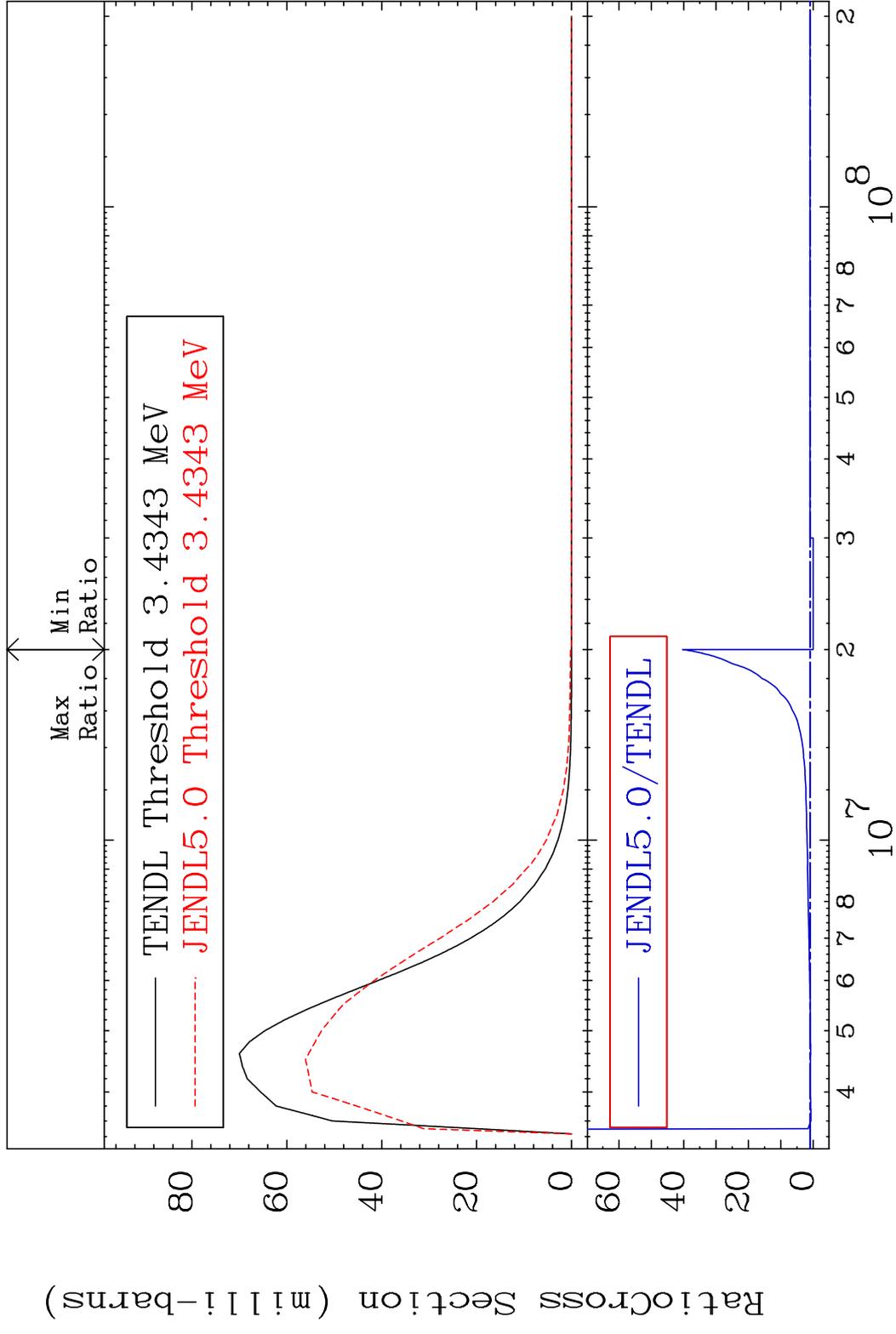
MAT 2037 MT= 57 (n, n') Level 20-Ca-44
 Cross Section -100.0 To 70.82 %



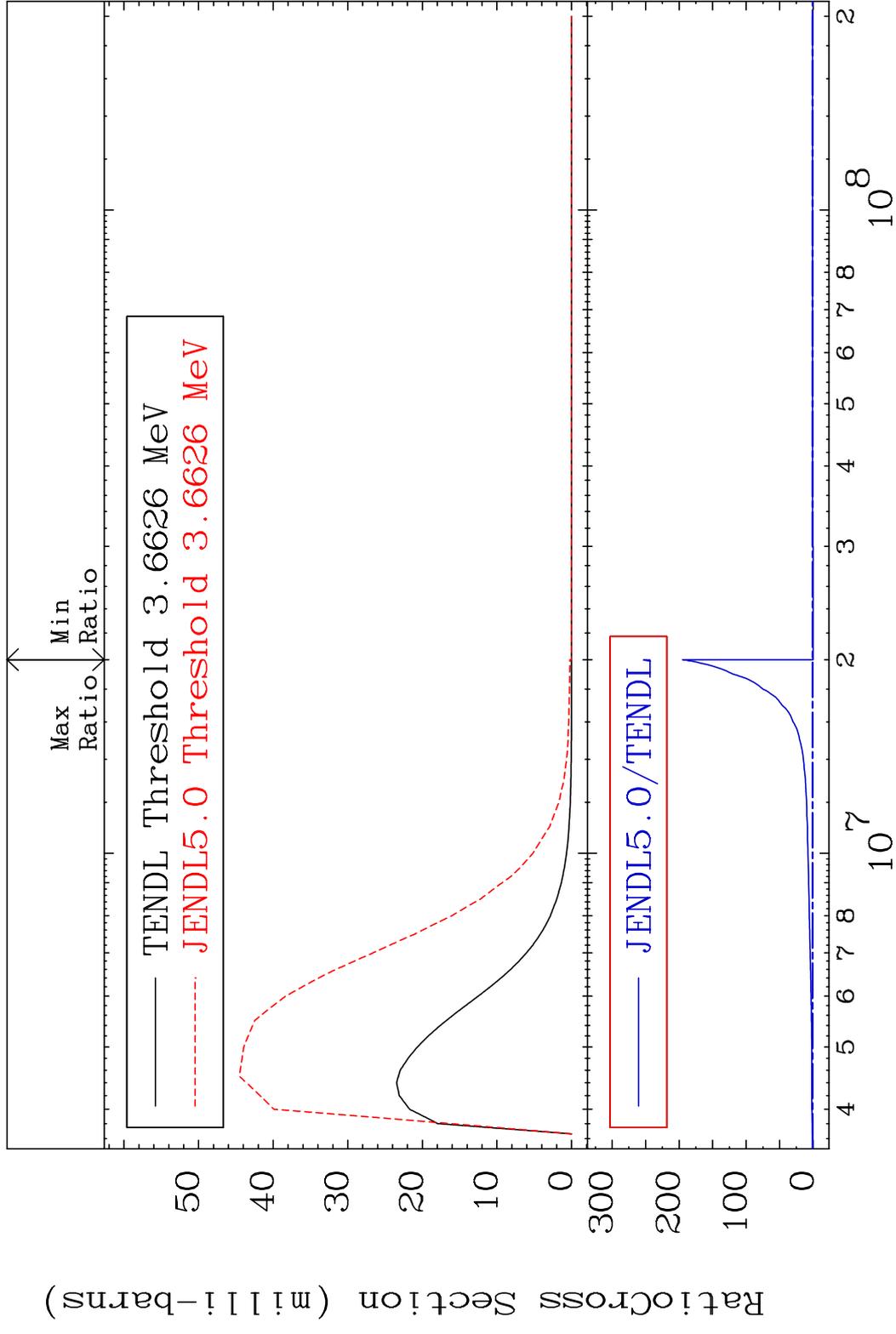
MAT 2037 MT= 58 (n,n') Level 20-Ca-44
 Cross Section -100.0 To 20.38 %



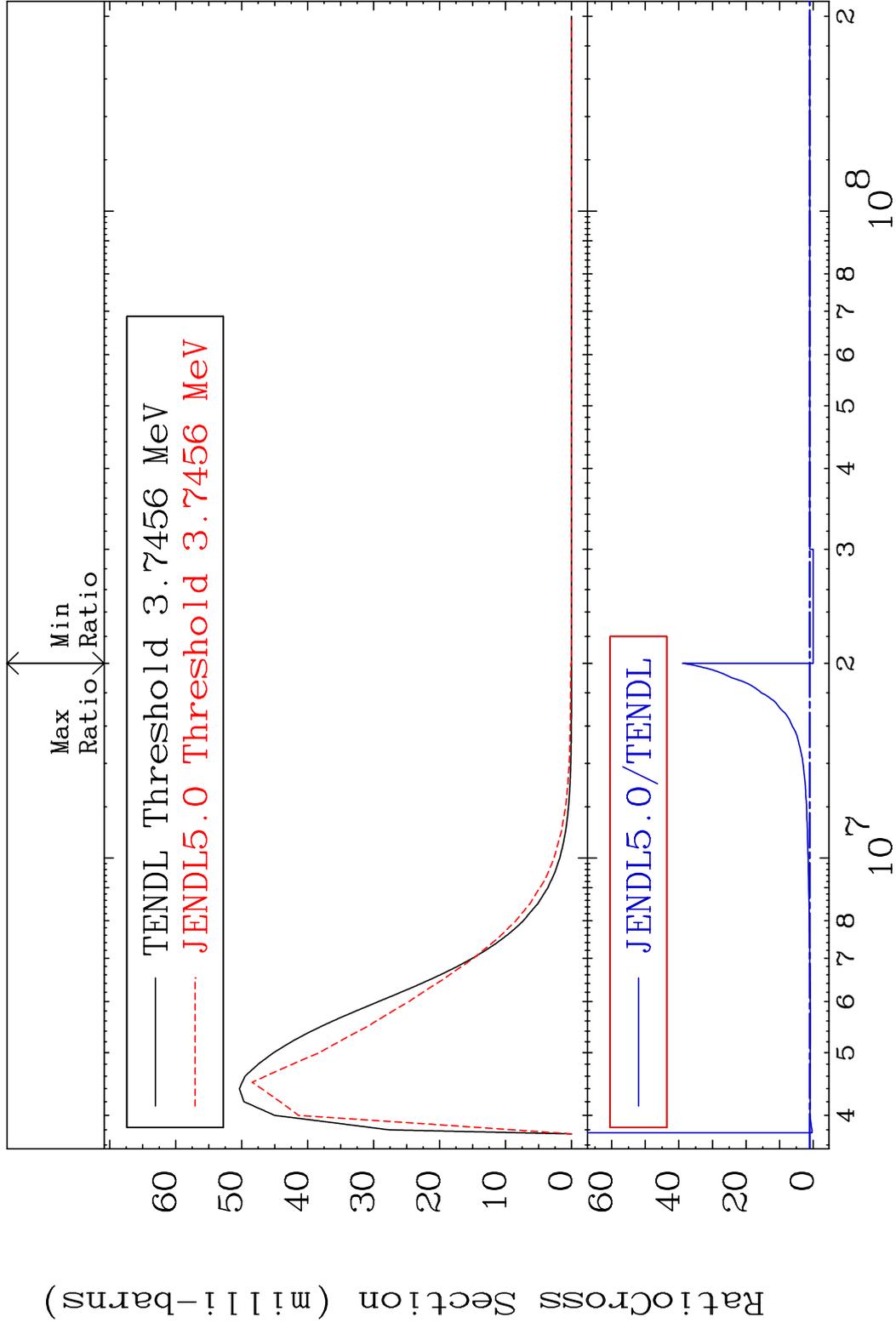
MAT 2037 MT= 59 (n, n') Level 20-Ca-44
 Cross Section -100.0 To 3926. %



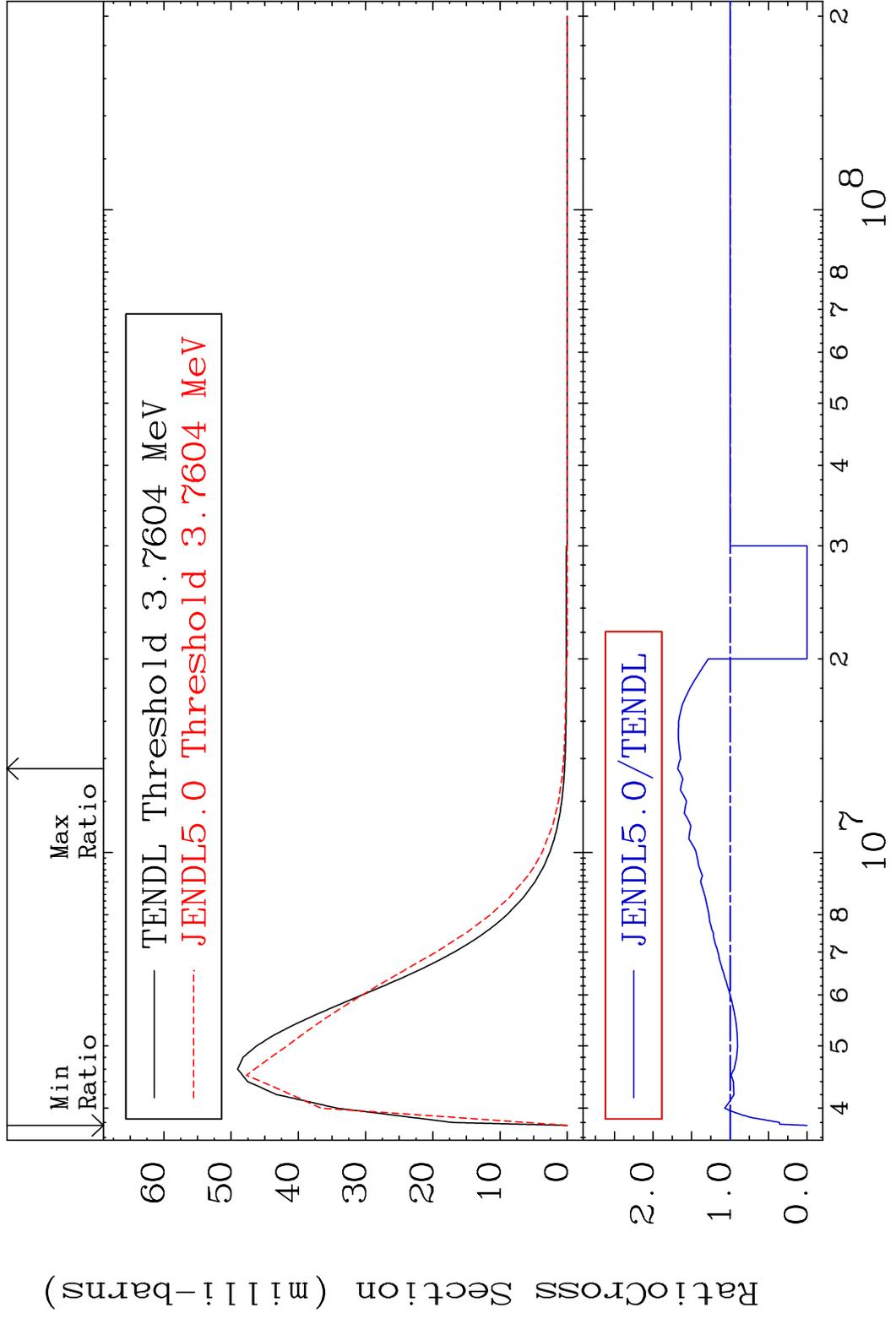
MAT 2037 MT= 60 (n, n') Level 20-Ca-44
 Cross Section -100.0 To 9999. %



MAT 2037 MT= 61 (n, n') Level 20-Ca-44
 Cross Section -100.0 To 3782. %

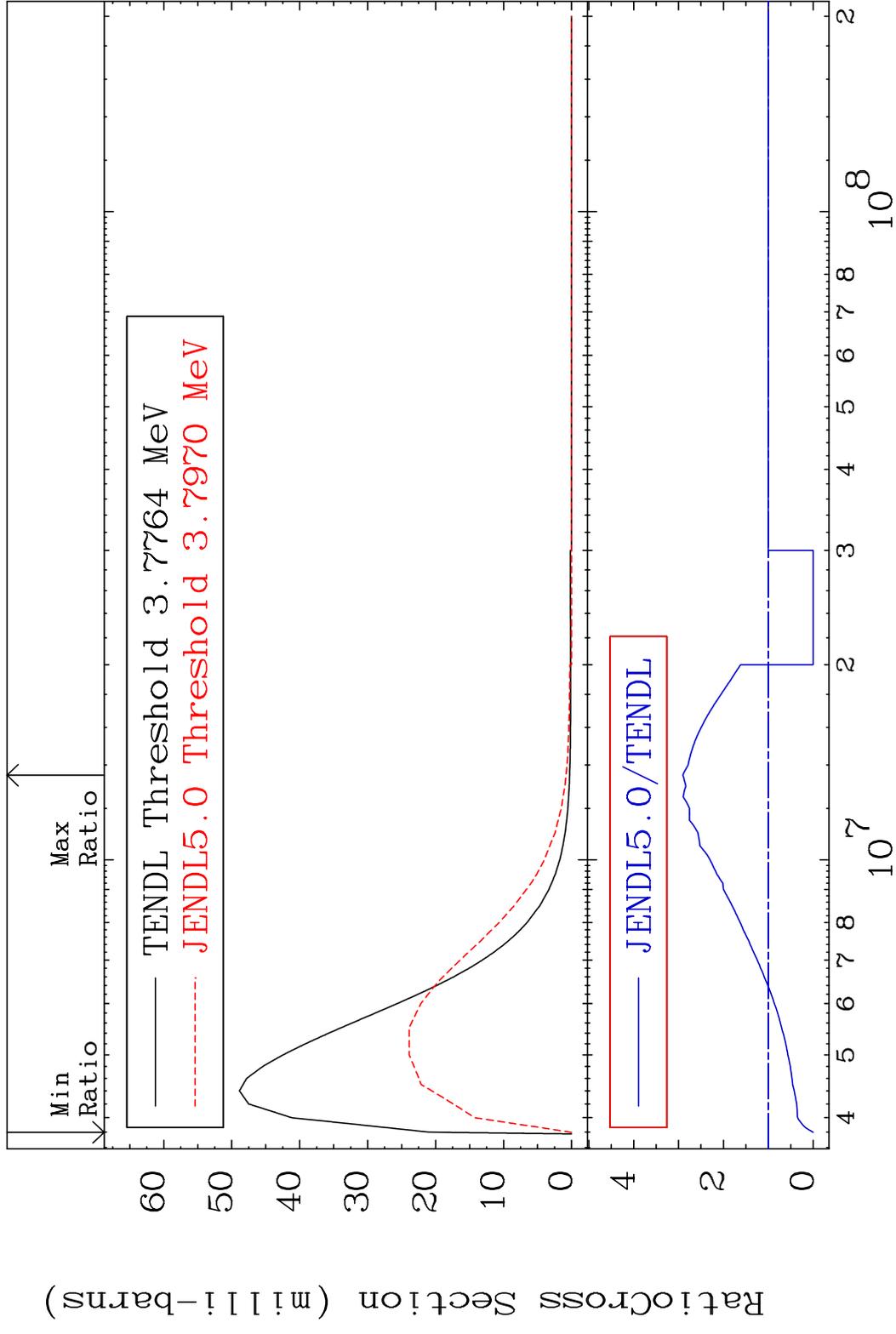


MAT 2037 MT= 62 (n, n') Level 20-Ca-44
 Cross Section -100.0 To 68.06 %

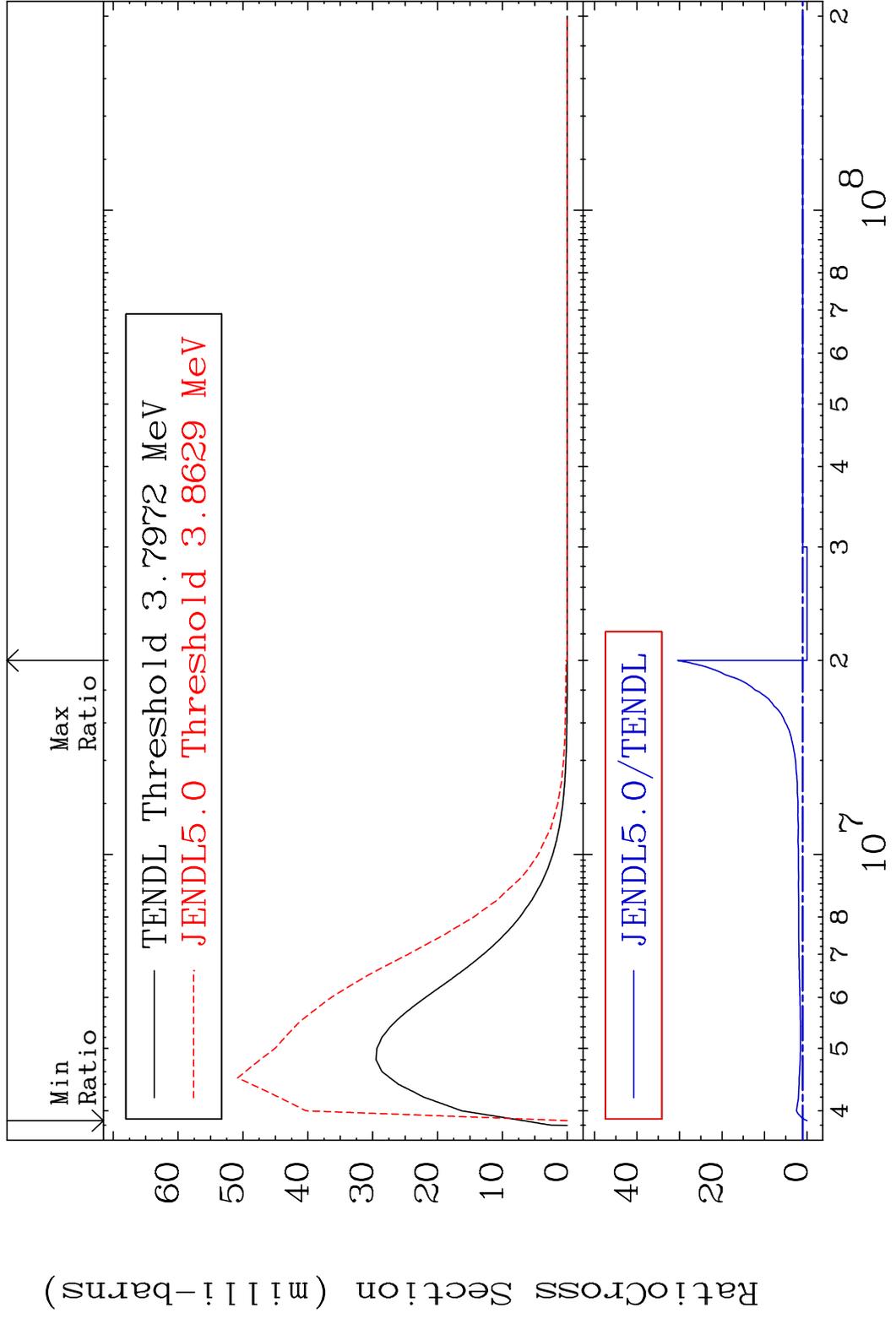


20 Incident Energy (eV) 20-Ca-44

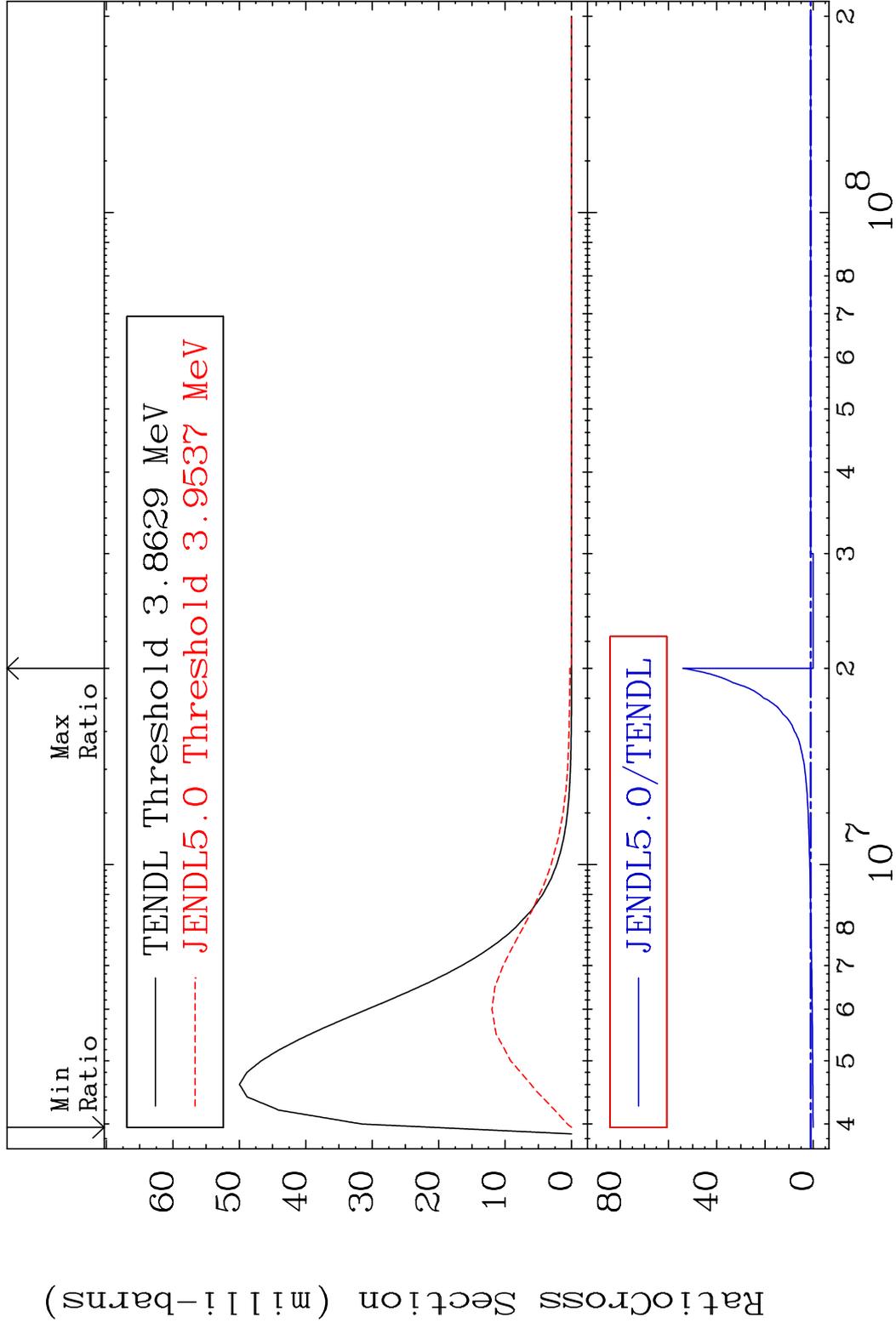
MAT 2037 MT= 63 (n, n') Level 20-Ca-44
 Cross Section -100.0 To 190.5 %



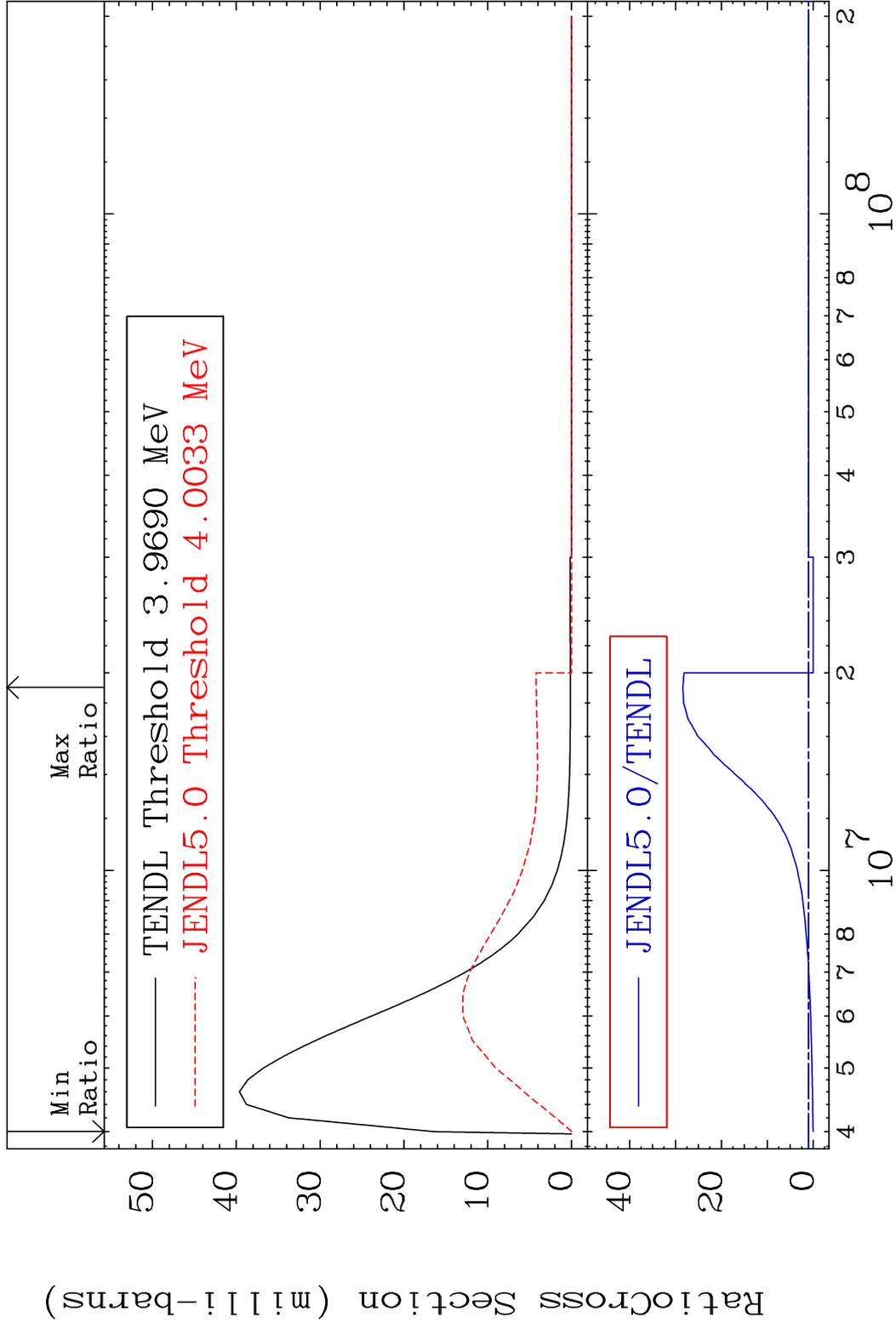
MAT 2037 MT= 64 (n,n') Level 20-Ca-44
 Cross Section -100.0 To 2944. %



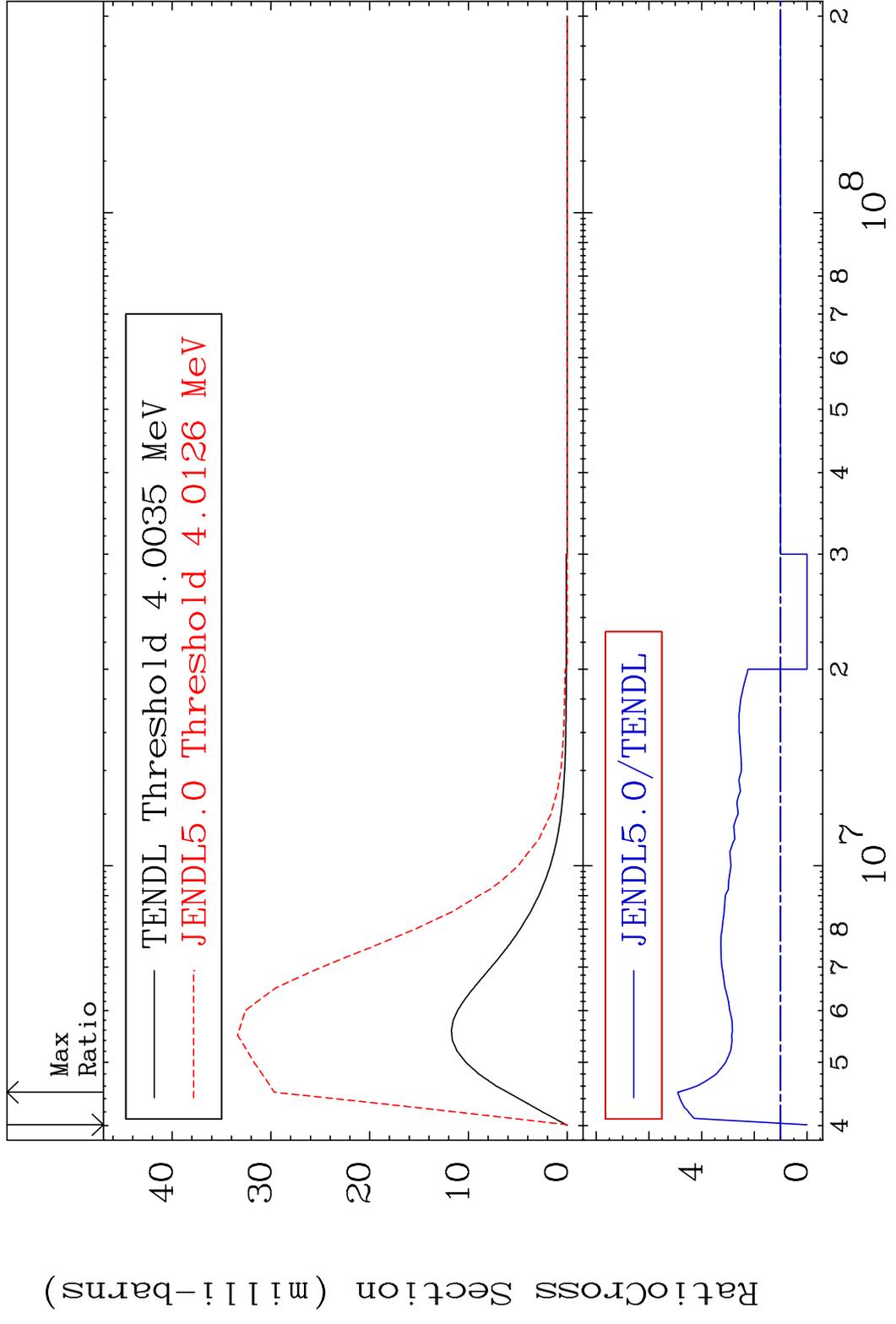
MAT 2037 MT= 65 (n,n') Level 20-Ca-44
 Cross Section -100.0 To 5307. %



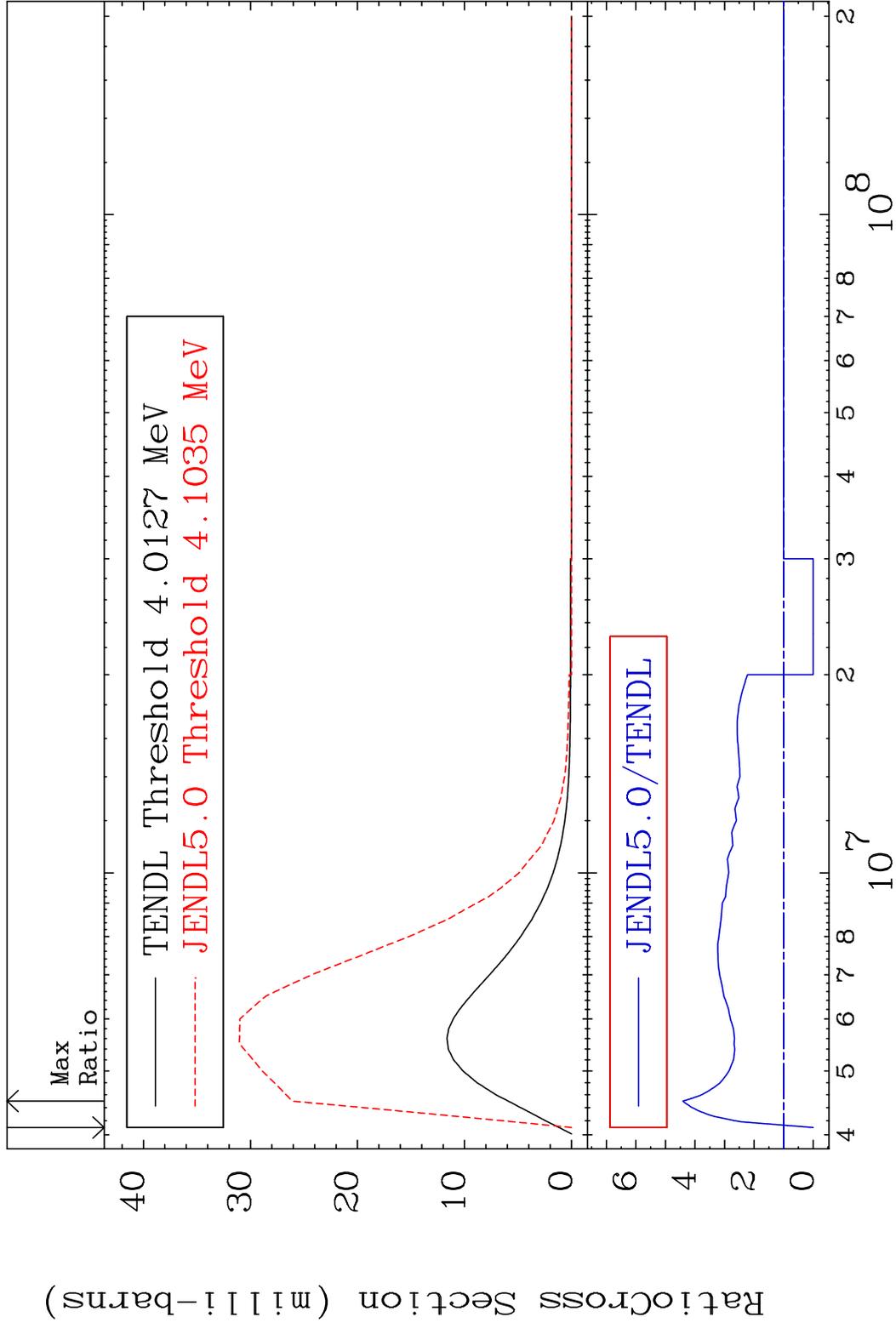
MAT 2037 MT= 66 (n,n') Level 20-Ca-44
 Cross Section -100.0 To 2740. %



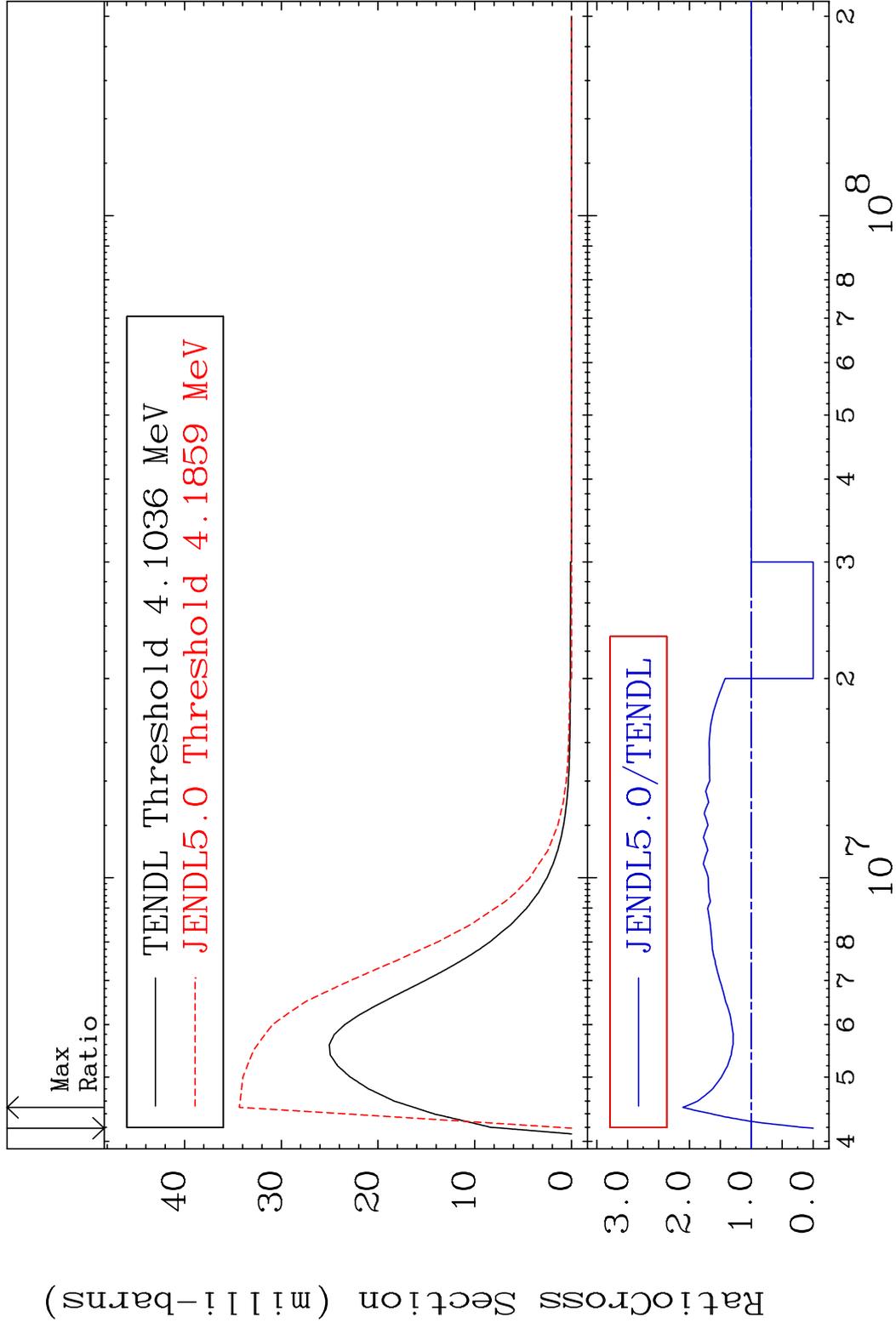
MAT 2037 MT= 67 (n,n') Level 20-Ca-44
 Cross Section -100.0 To 390.9 %



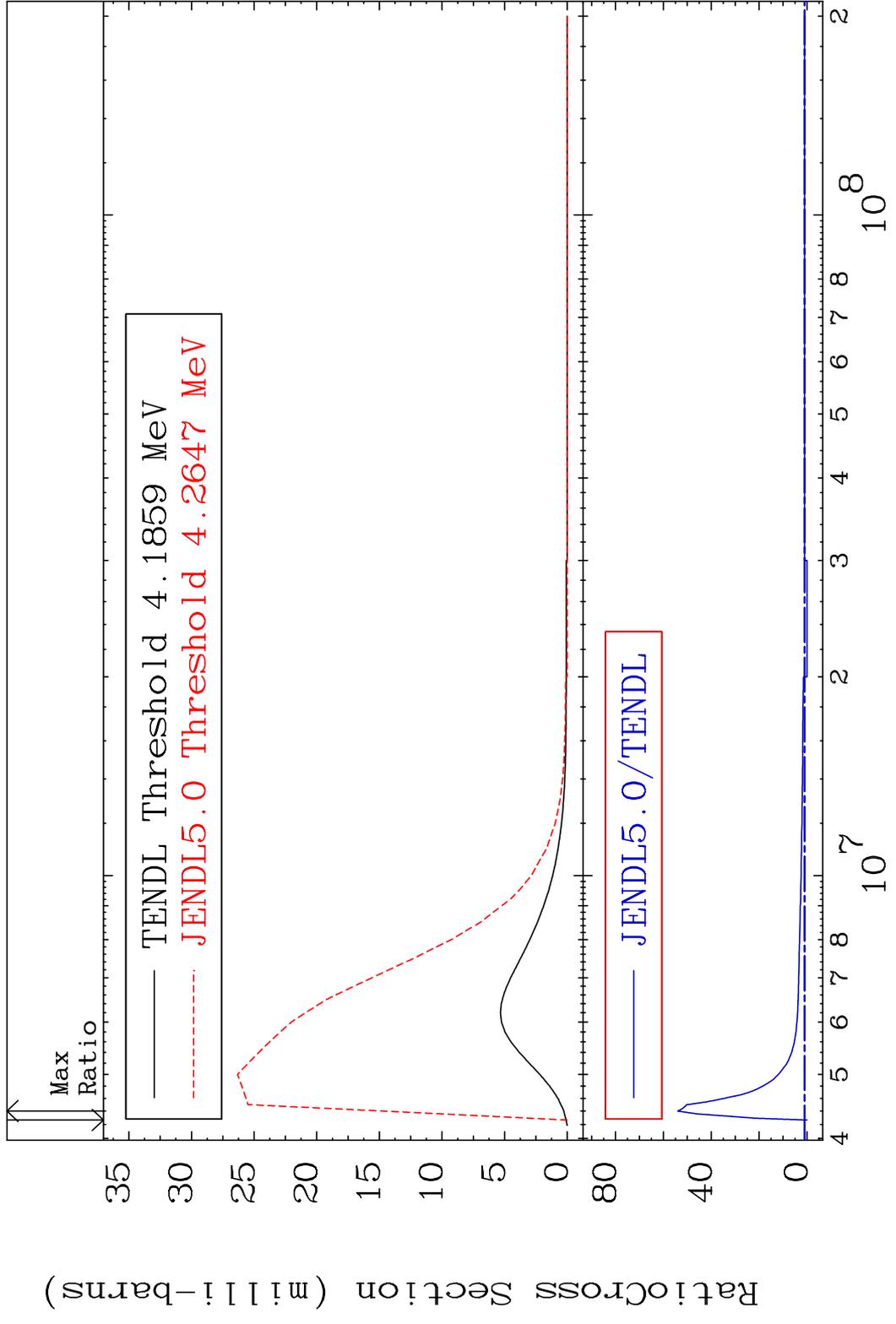
MAT 2037 MT= 68 (n, n') Level 20-Ca-44
 Cross Section -100.0 To 341.2 %



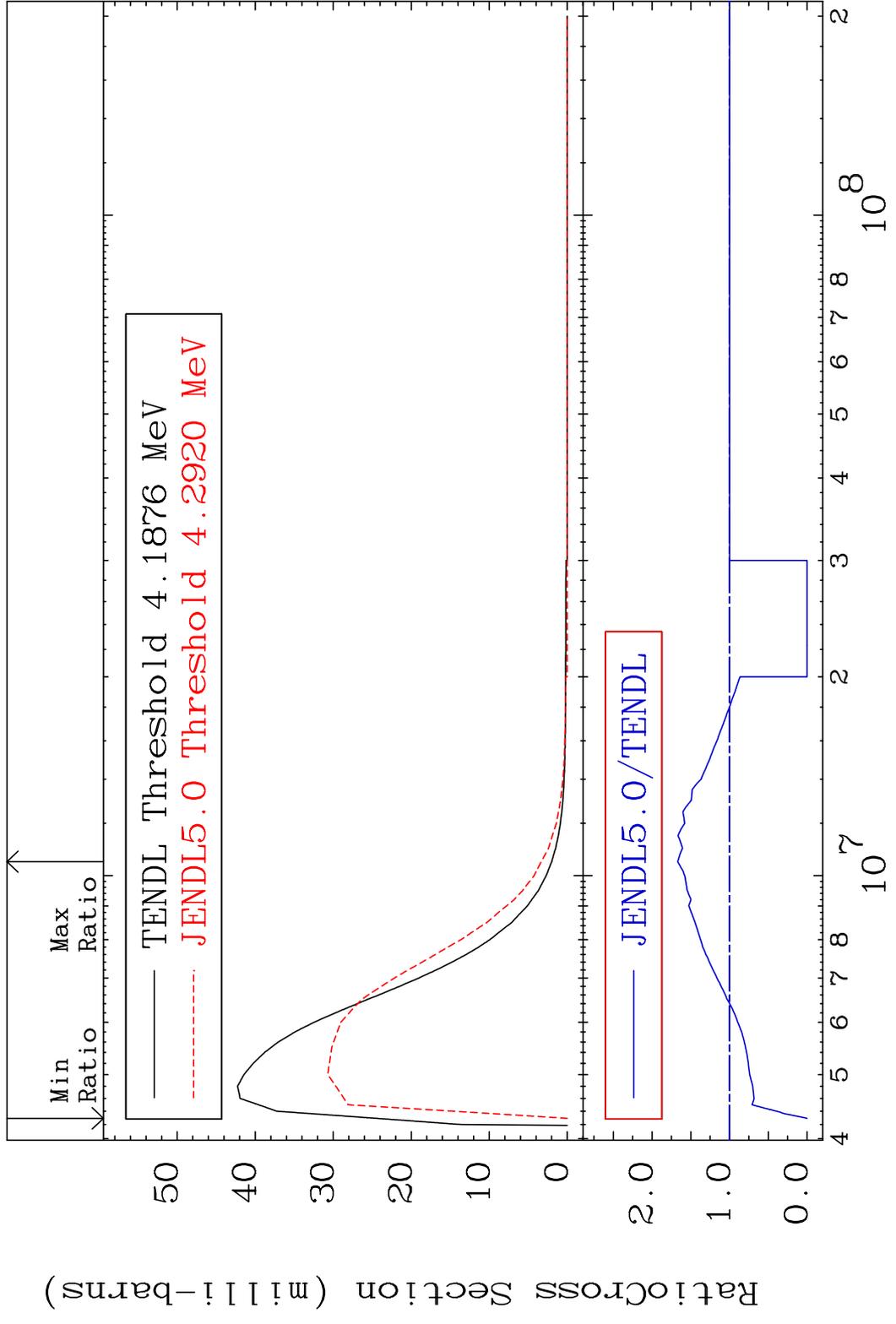
MAT 2037 MT= 69 (n, n') Level 20-Ca-44
 Cross Section -100.0 To 110.8 %



MAT 2037 MT= 70 (n,n') Level 20-Ca-44
 Cross Section -100.0 To 5303. %

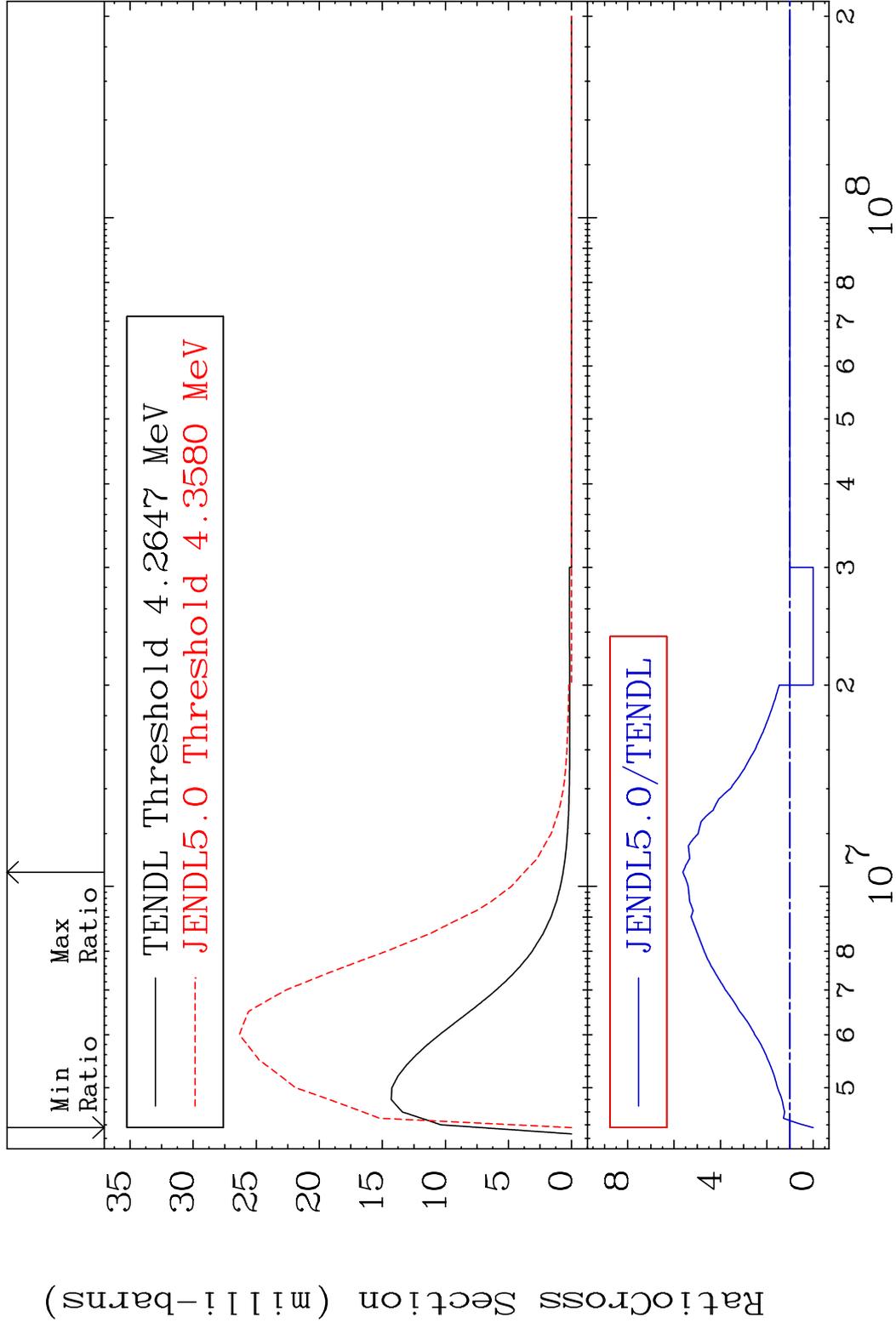


MAT 2037 MT= 71 (n,n') Level 20-Ca-44
 Cross Section -100.0 To 66.96 %

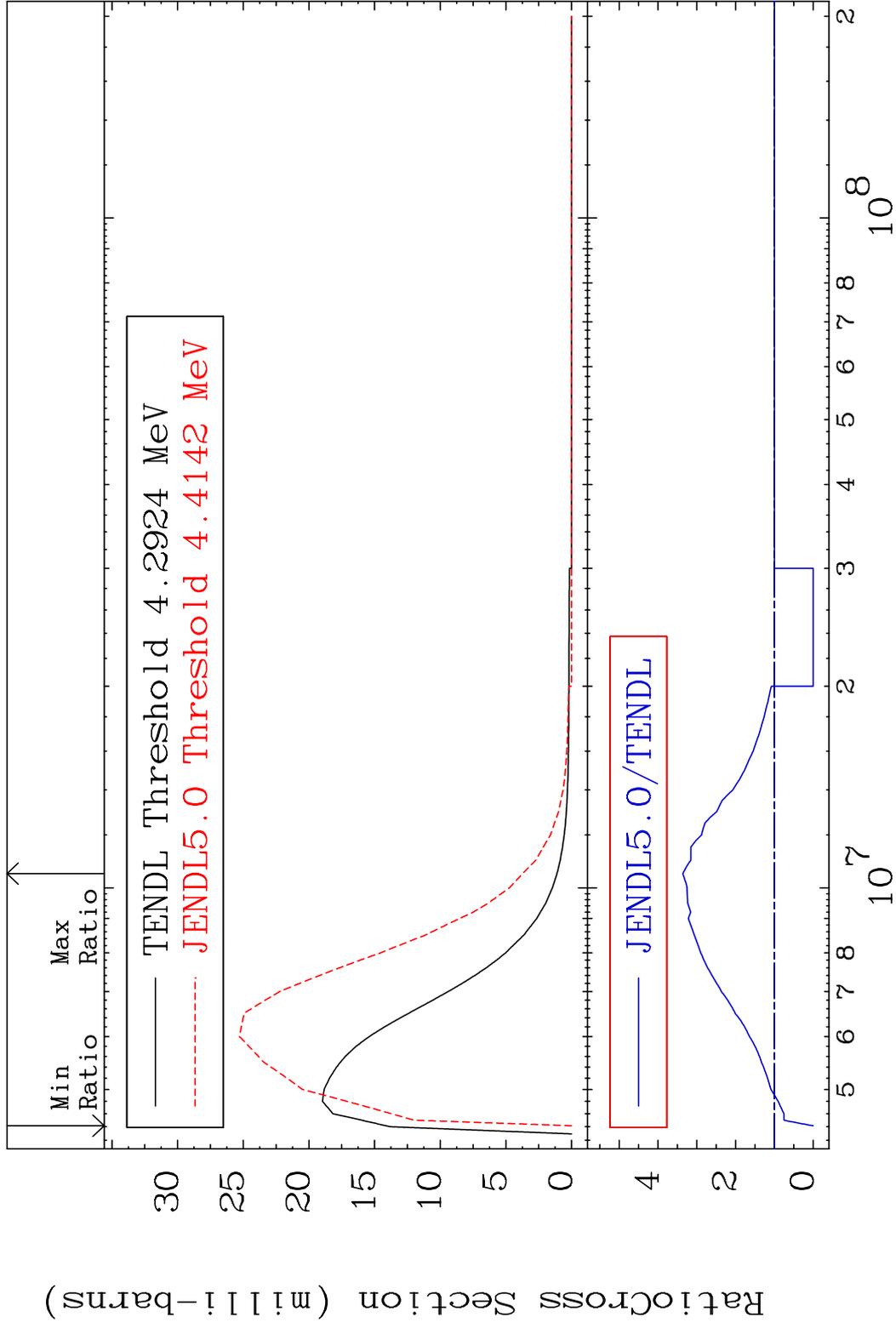


29 Incident Energy (eV) 20-Ca-44

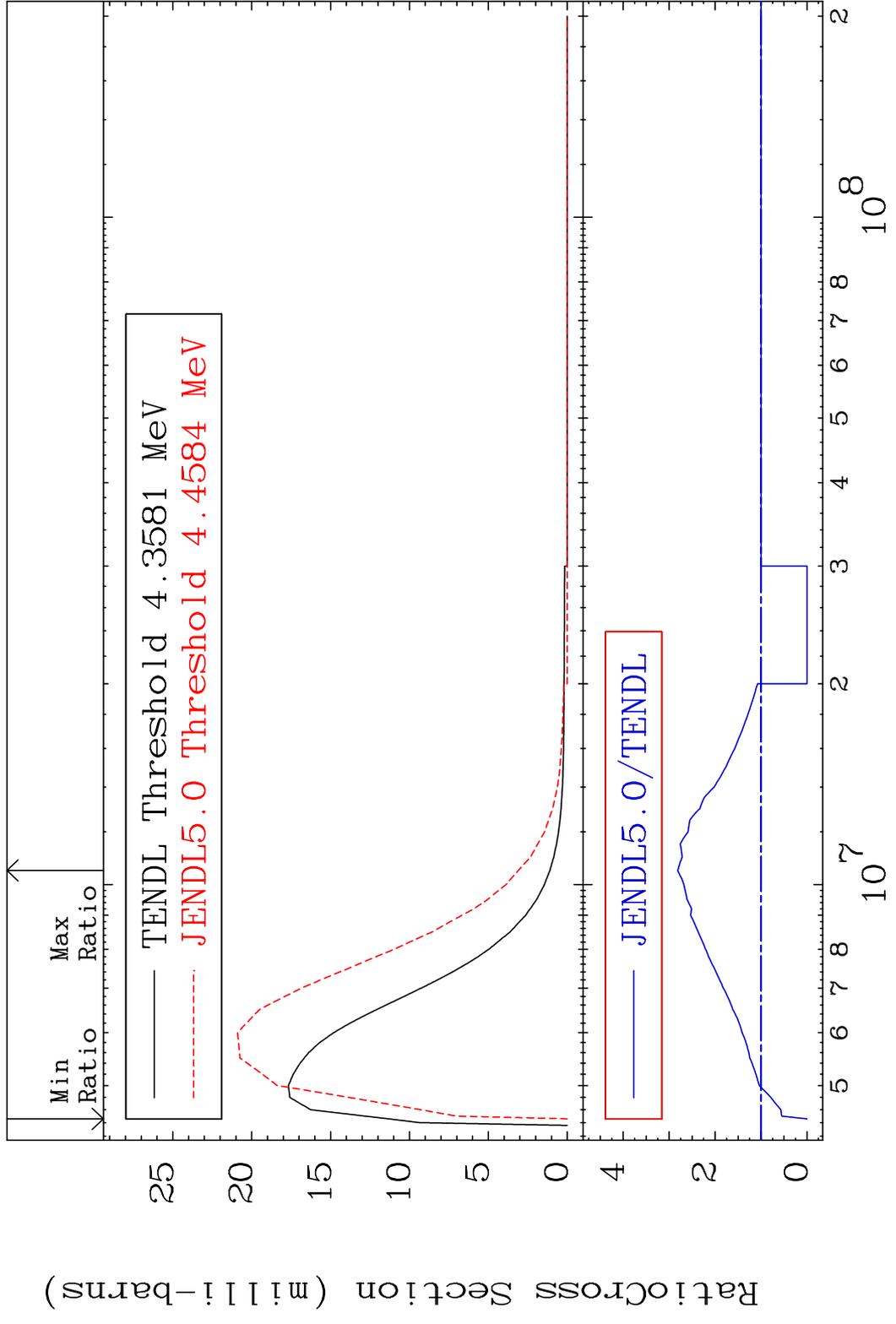
MAT 2037 MT= 72 (n, n') Level 20-Ca-44
 Cross Section -100.0 To 462.2 %



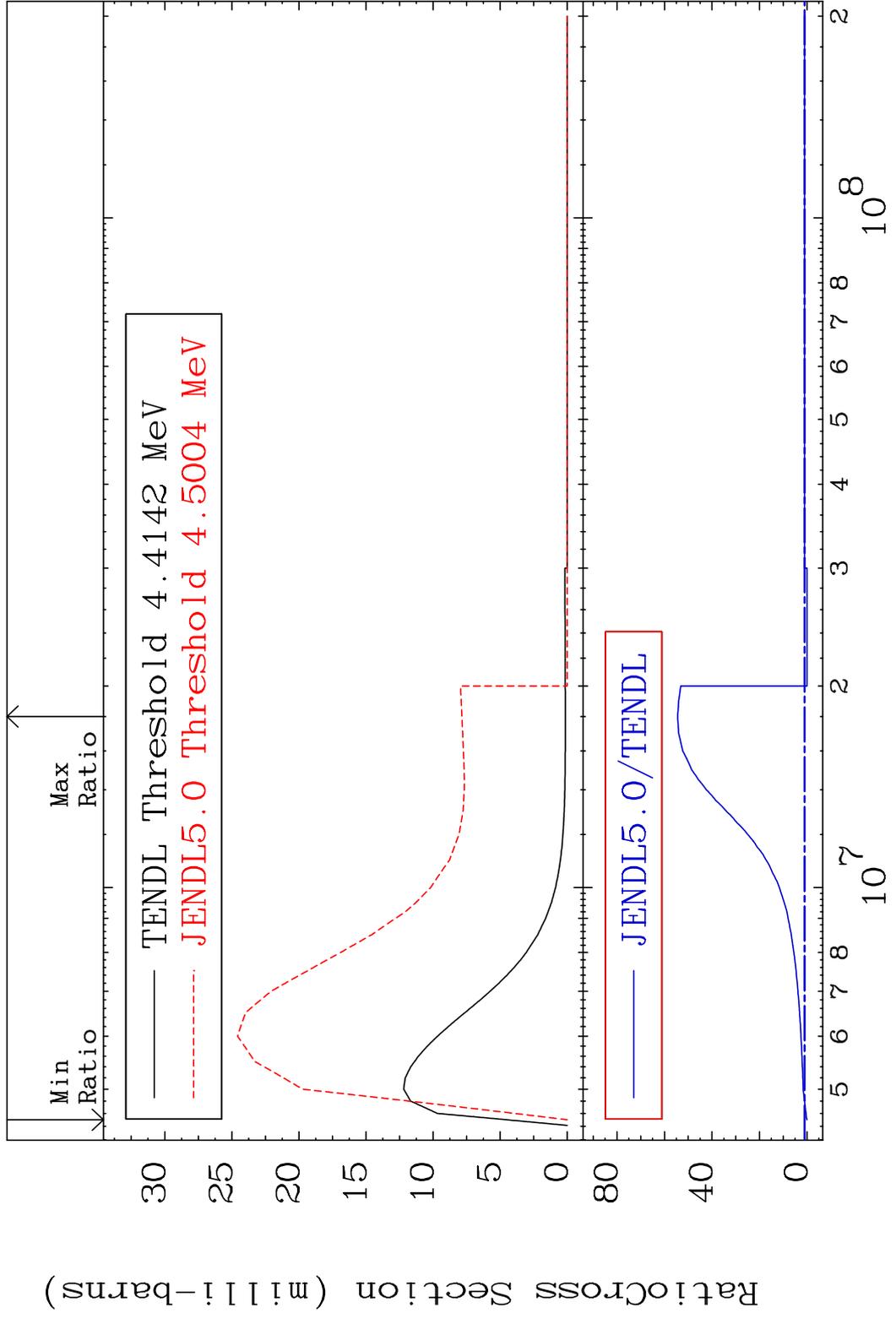
MAT 2037 MT= 73 (n, n') Level 20-Ca-44
 Cross Section -100.0 To 235.9 %



MAT 2037 MT= 74 (n,n') Level 20-Ca-44
 Cross Section -100.0 To 181.5 %

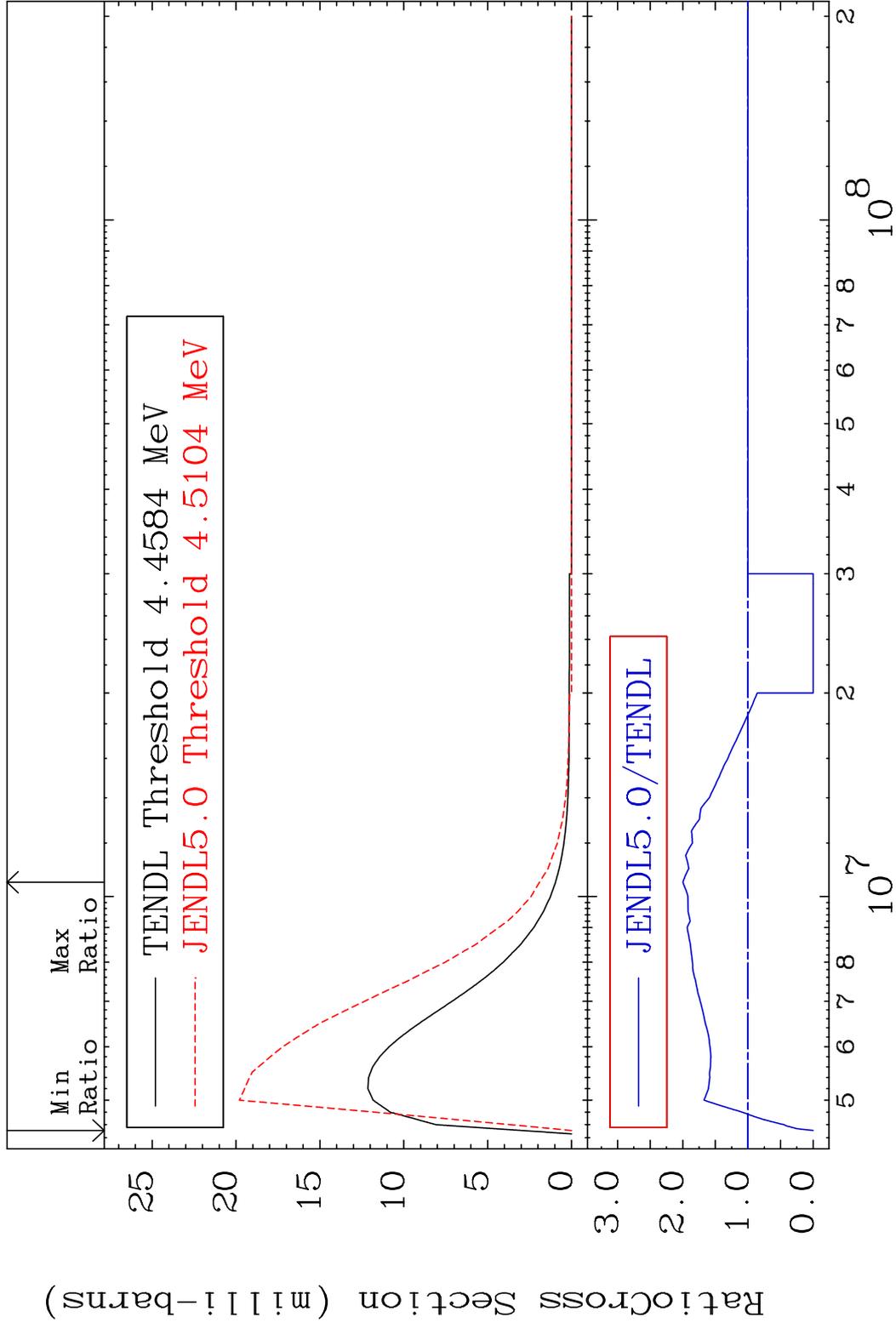


MAT 2037 MT= 75 (n,n') Level 20-Ca-44
 Cross Section -100.0 To 5345. %

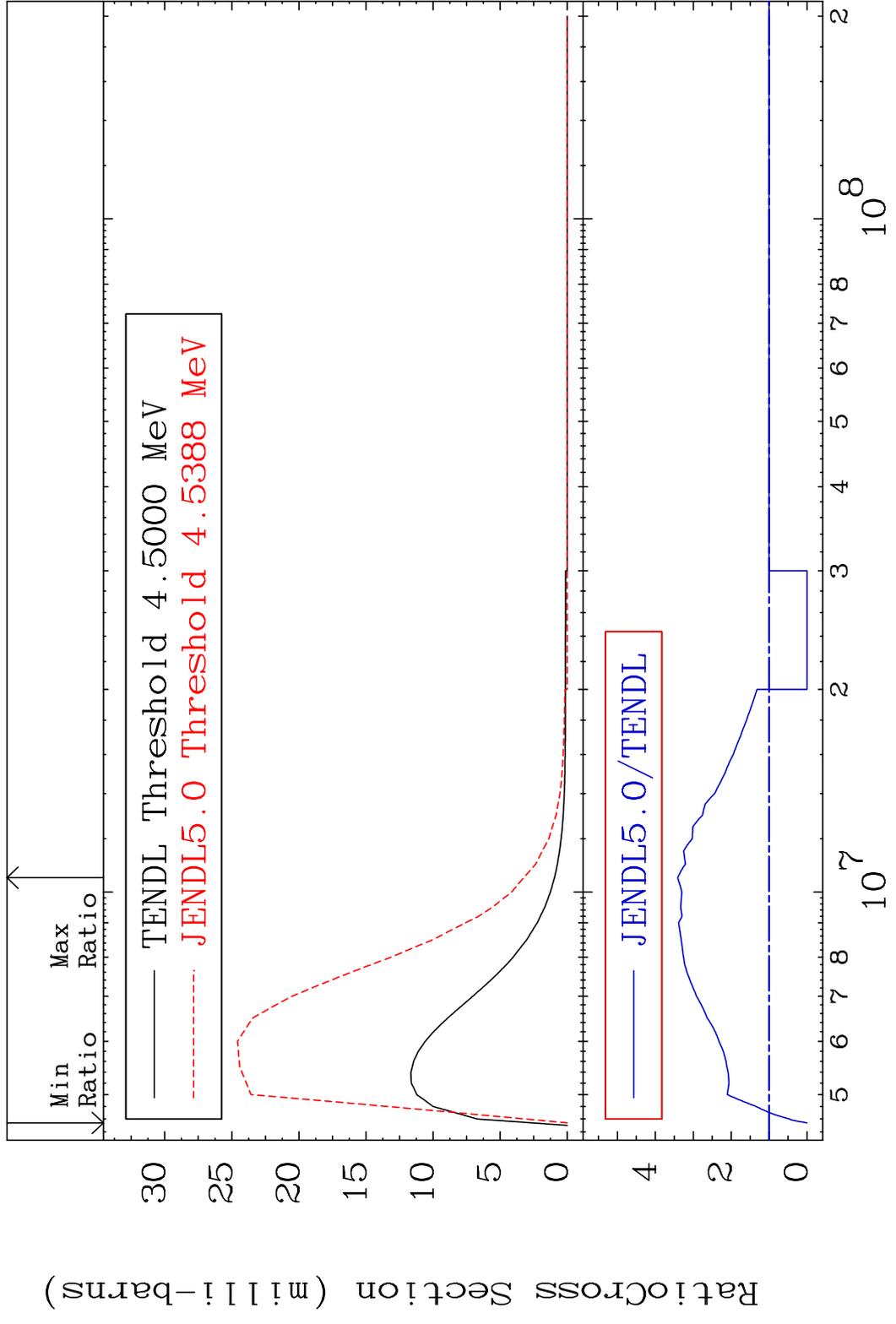


33 Incident Energy (eV) 20-Ca-44

MAT 2037 MT= 76 (n,n') Level 20-Ca-44
 Cross Section -100.0 To 99.91 %

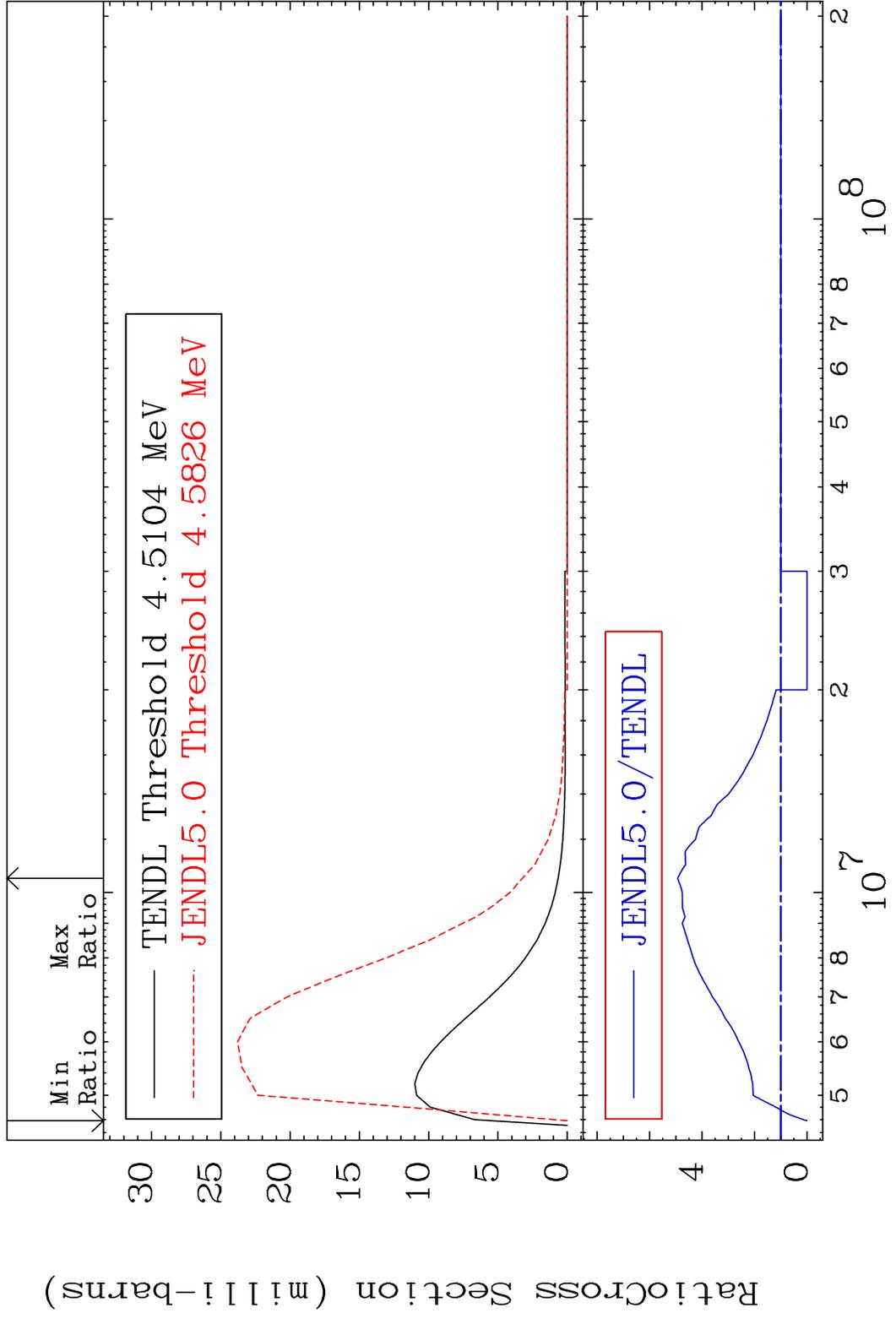


MAT 2037 MT= 77 (n,n') Level 20-Ca-44
 Cross Section -100.0 To 241.1 %



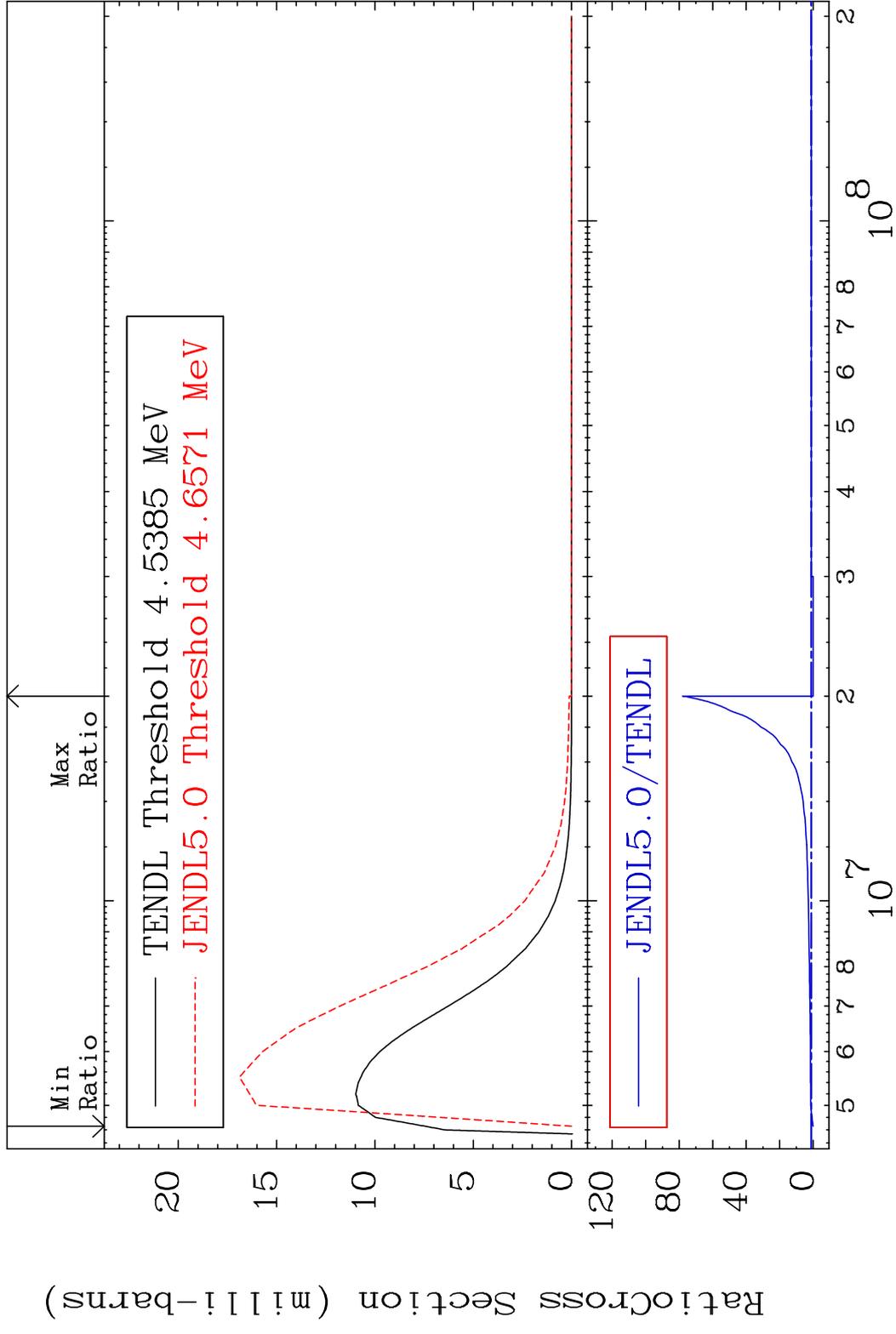
35 Incident Energy (eV) 20-Ca-44

MAT 2037 MT= 78 (n,n') Level 20-Ca-44
 Cross Section -100.0 To 392.9 %

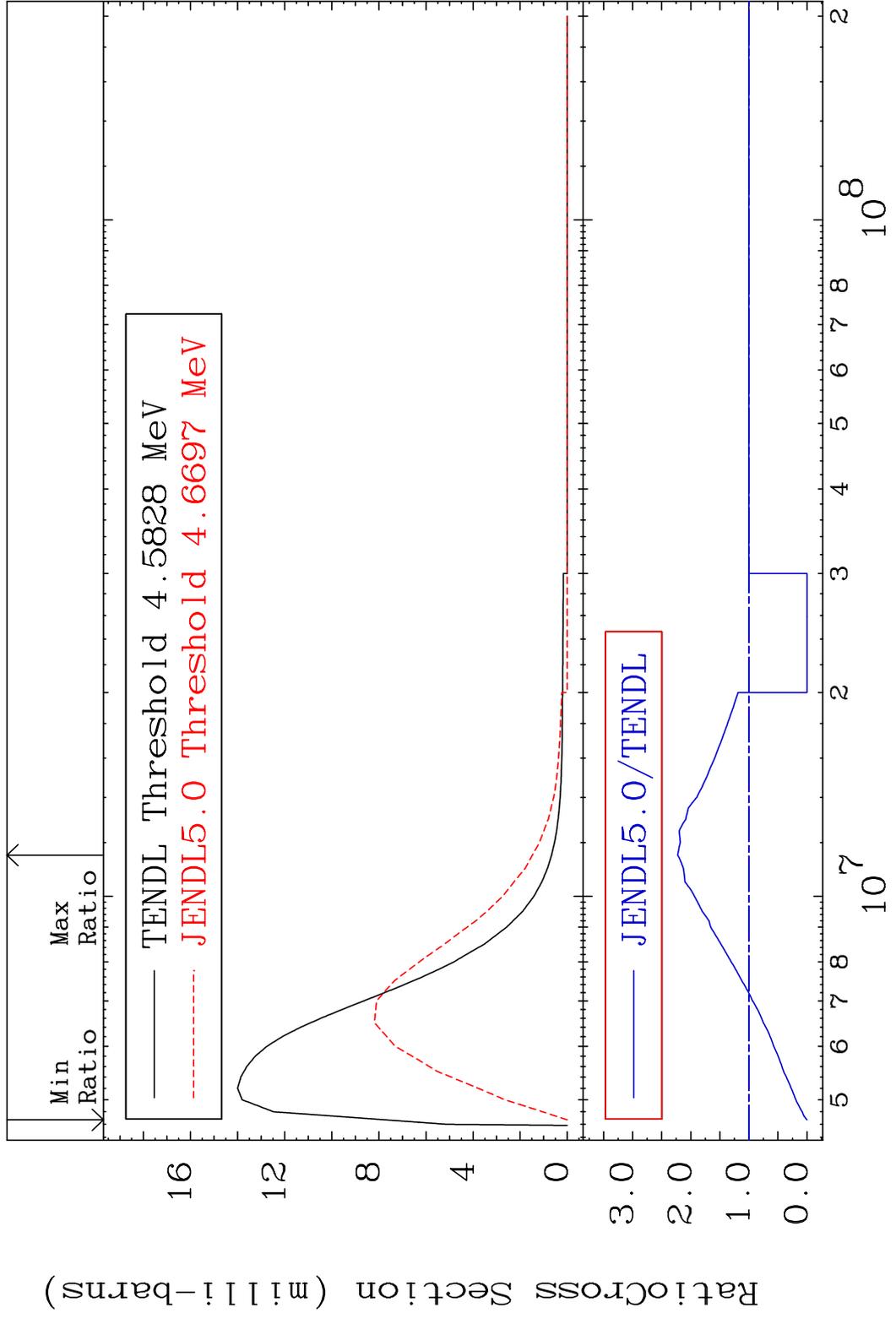


36 Incident Energy (eV) 20-Ca-44

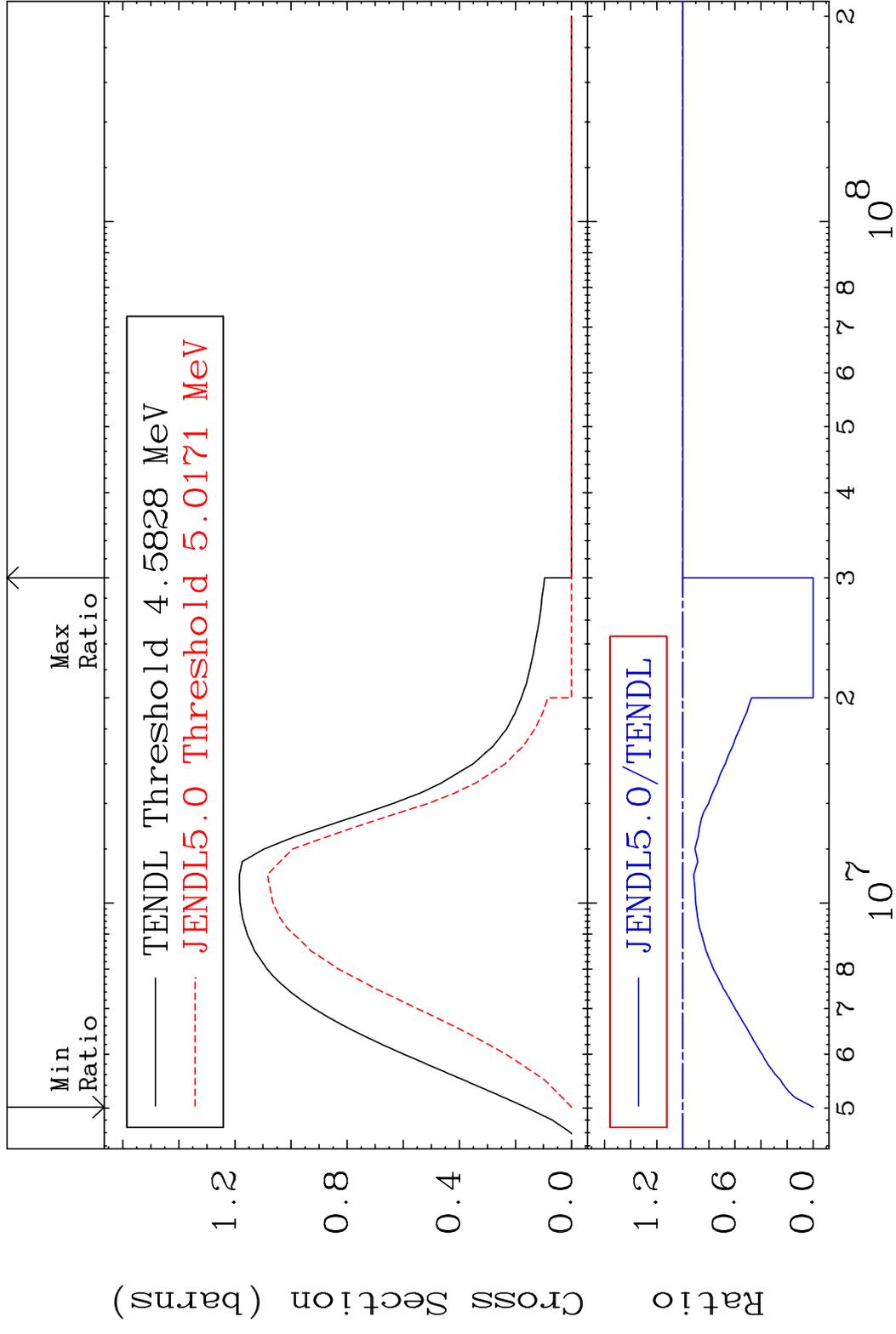
MAT 2037 MT= 79 (n, n') Level 20-Ca-44
 Cross Section -100.0 To 7683. %



MAT 2037 MT= 80 (n,n') Level 20-Ca-44
 Cross Section -100.0 To 122.5 %



MAT 2037 (n,n') Continuum 20-Ca-44
 Cross Section -100.0 To 0.000 %

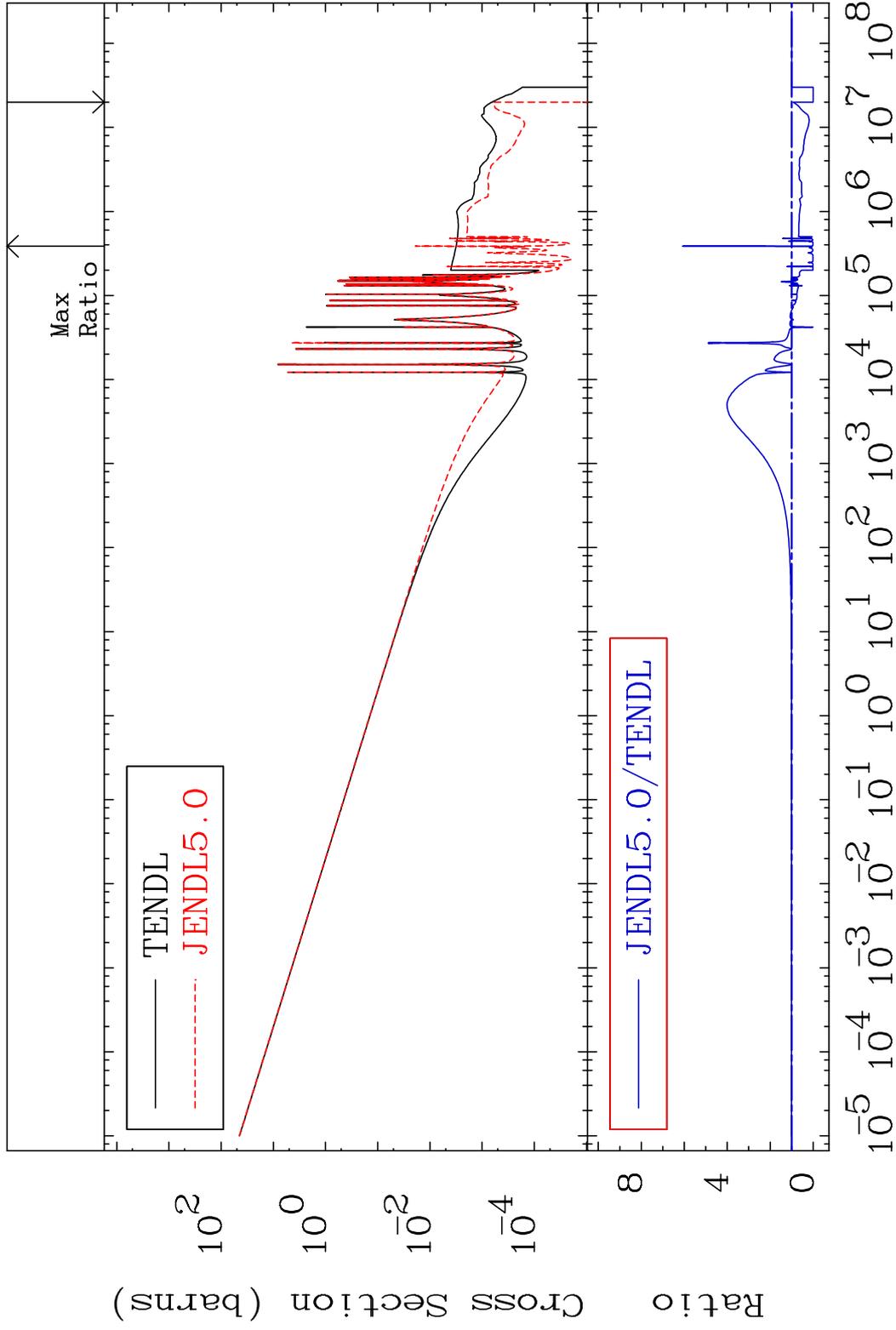


MAT 2037

(n, γ)

20-Ca-44

Cross Section -100.0 To 506.5 %

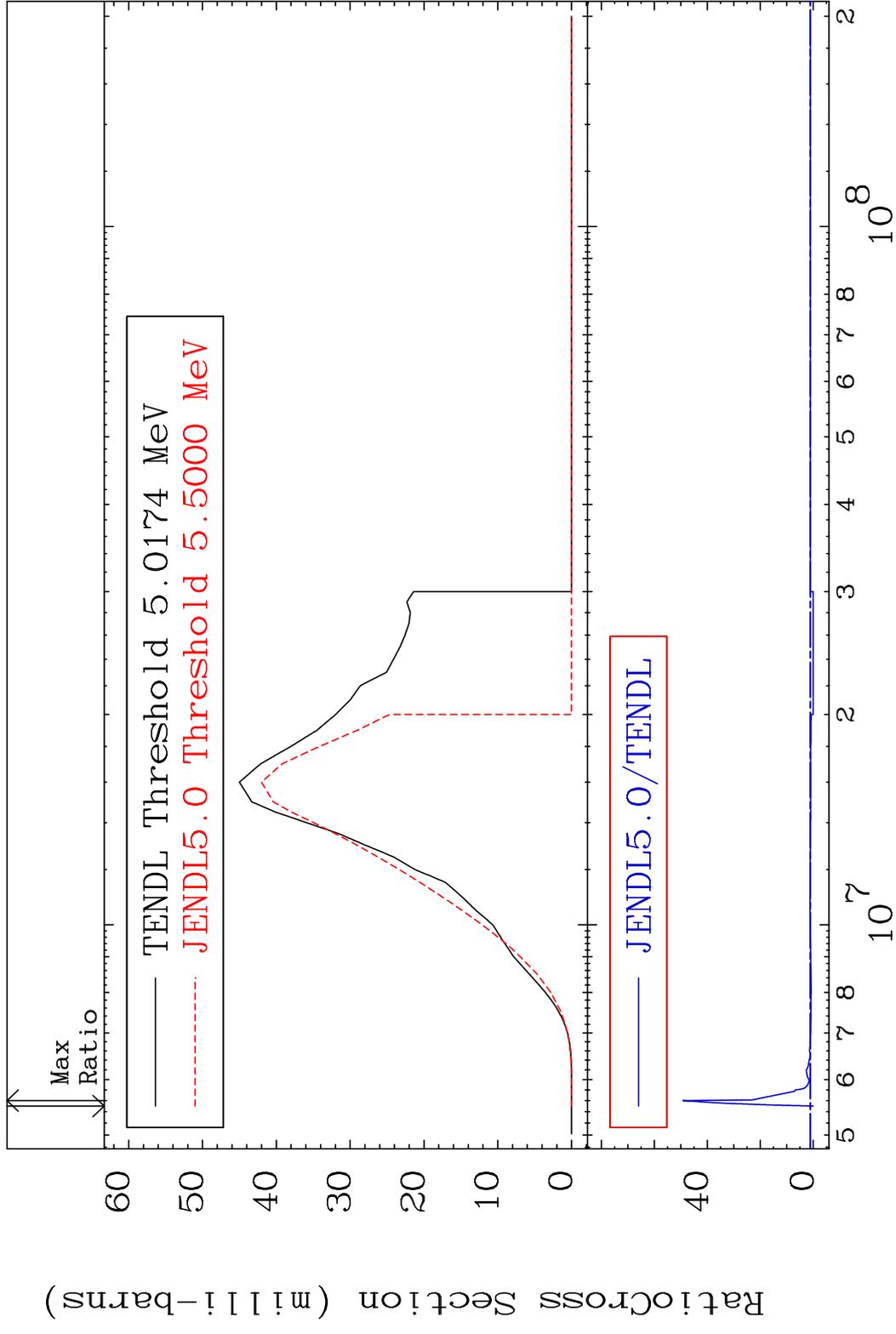


40

Incident Energy (eV)

20-Ca-44

MAT 2037 (n,p) 20-Ca-44
 Cross Section -100.0 To 4823. %

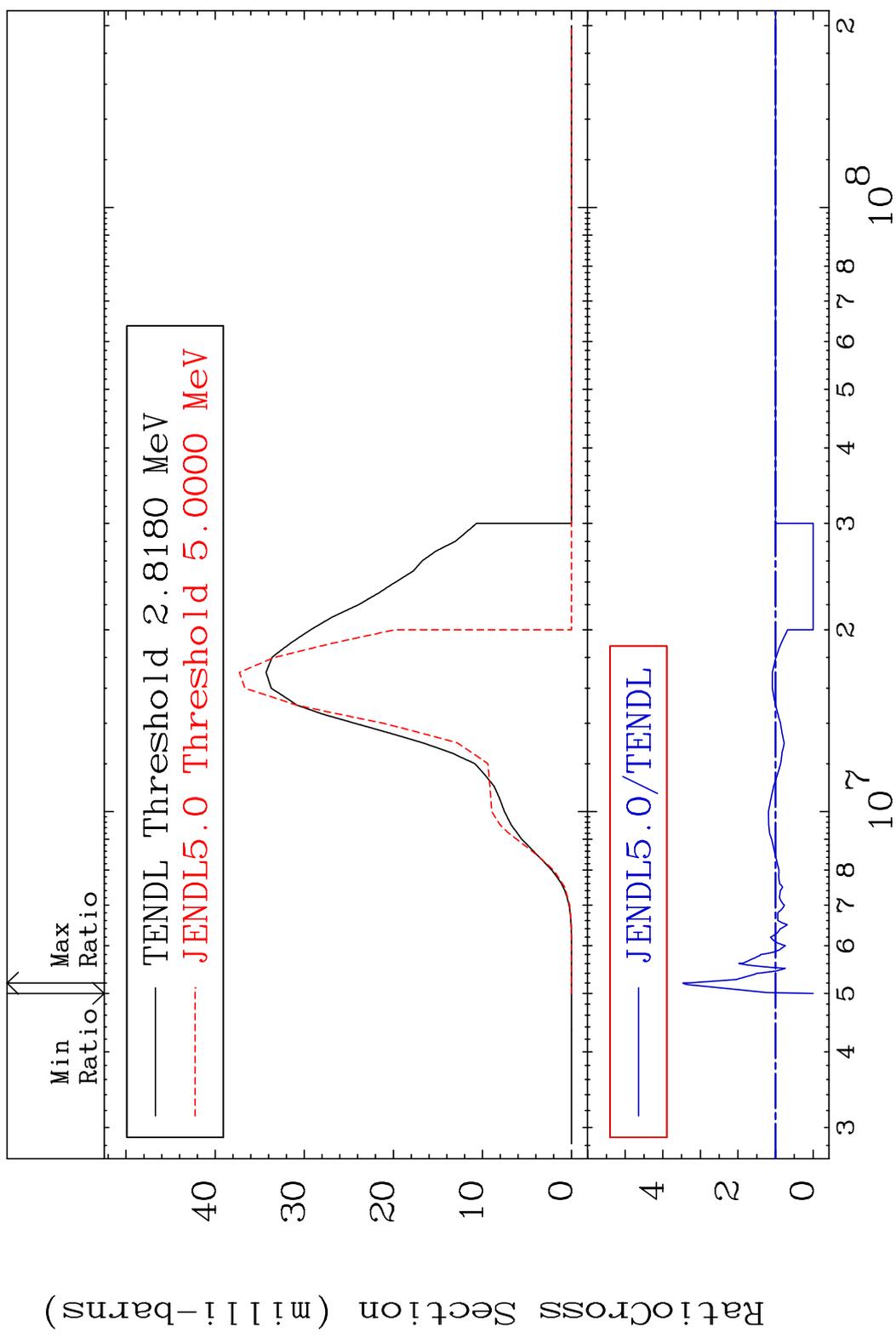


MAT 2037

(n, α)

20-Ca-44

Cross Section -100.0 To 246.7 %

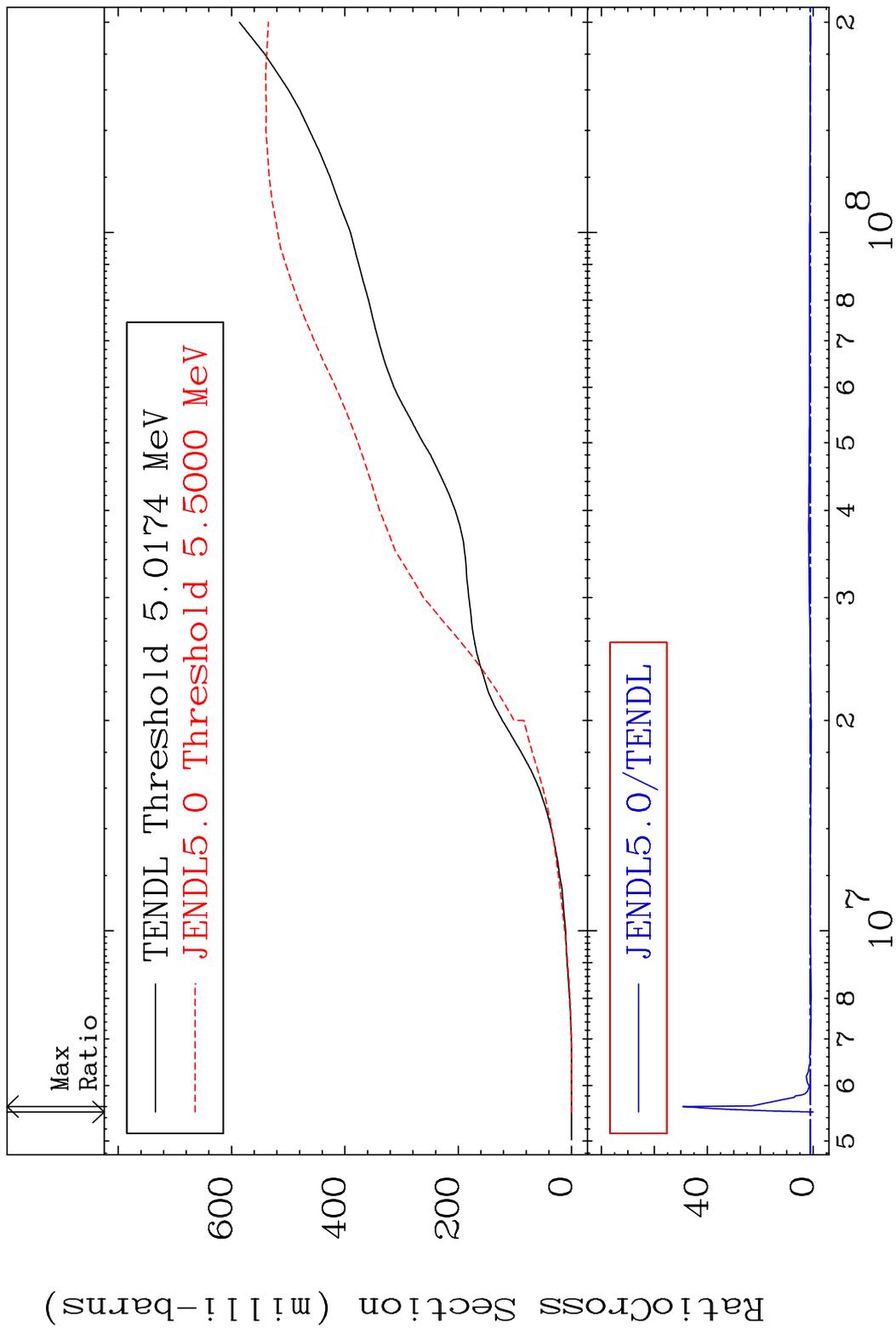


42

Incident Energy (eV)

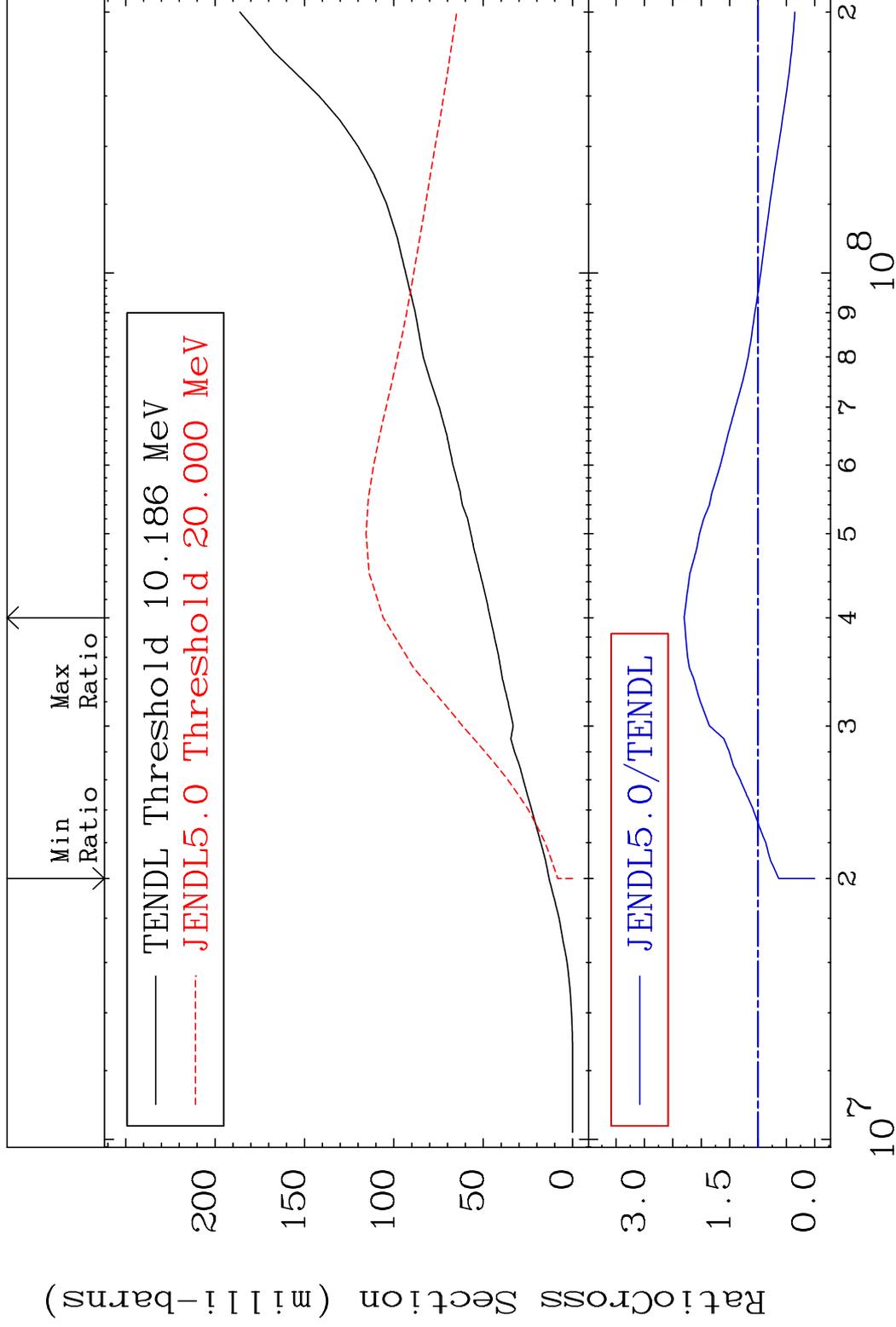
20-Ca-44

MAT 2037 Hydrogen Production 20-Ca-44
 Cross Section -100.0 To 4823. %



MAT 2037

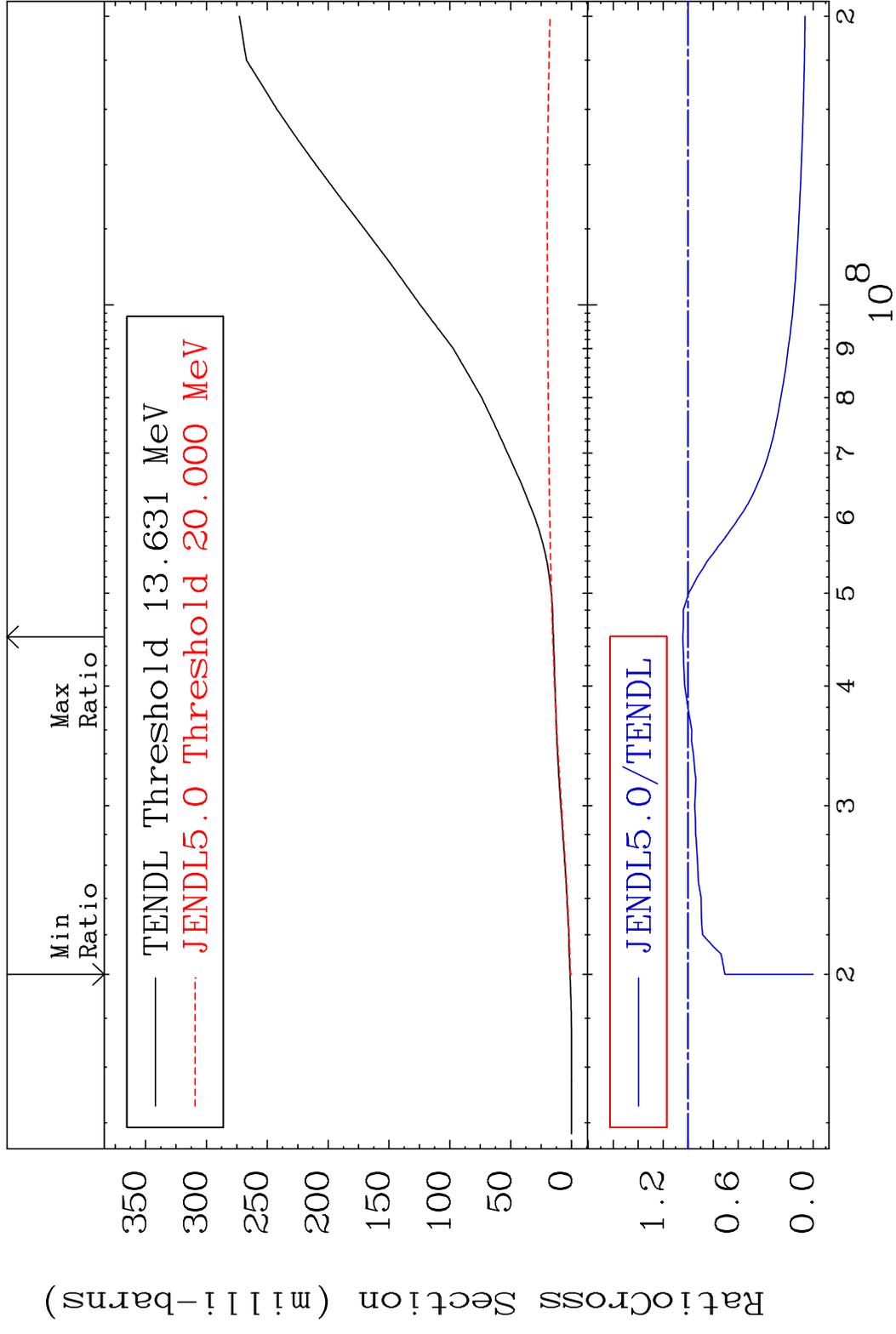
Deuterium Production 20-Ca-44
Cross Section -100.0 To 130.1 %



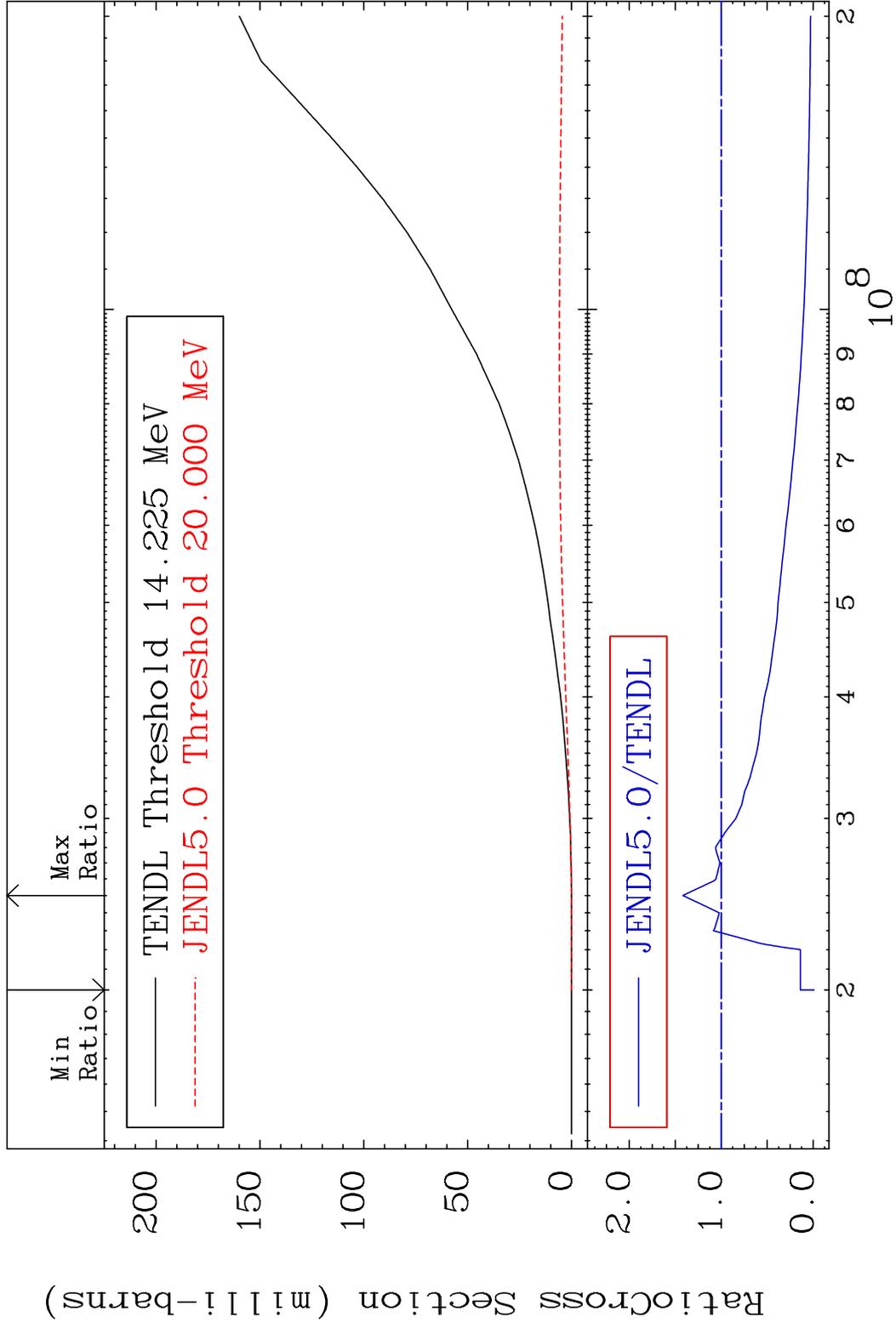
44

Incident Energy (eV)

20-Ca-44



Cross Section -100.0 To 41.79 %

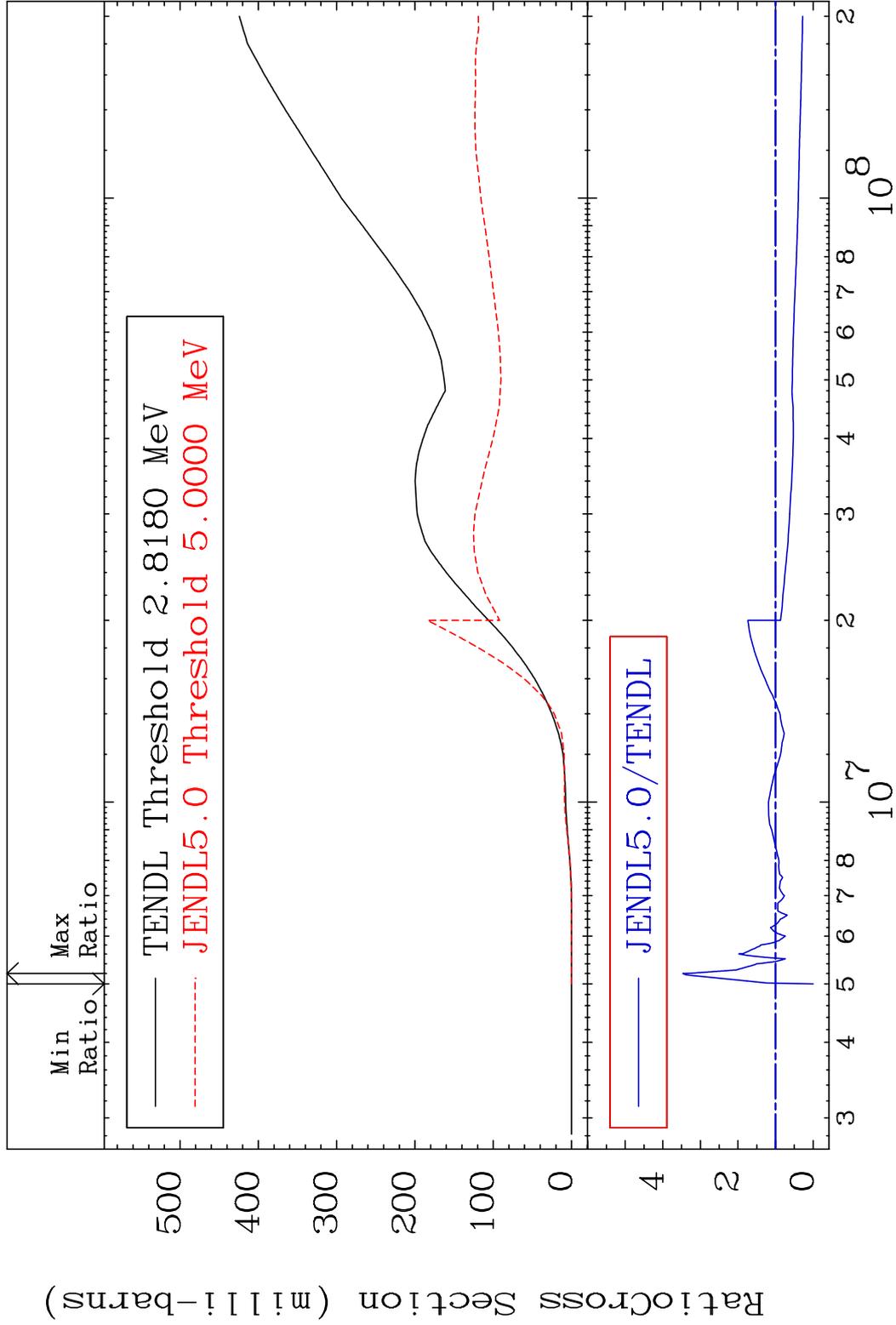


MAT 2037

He-4 Production

²⁰Ca-44

Cross Section -100.0 To 246.7 %

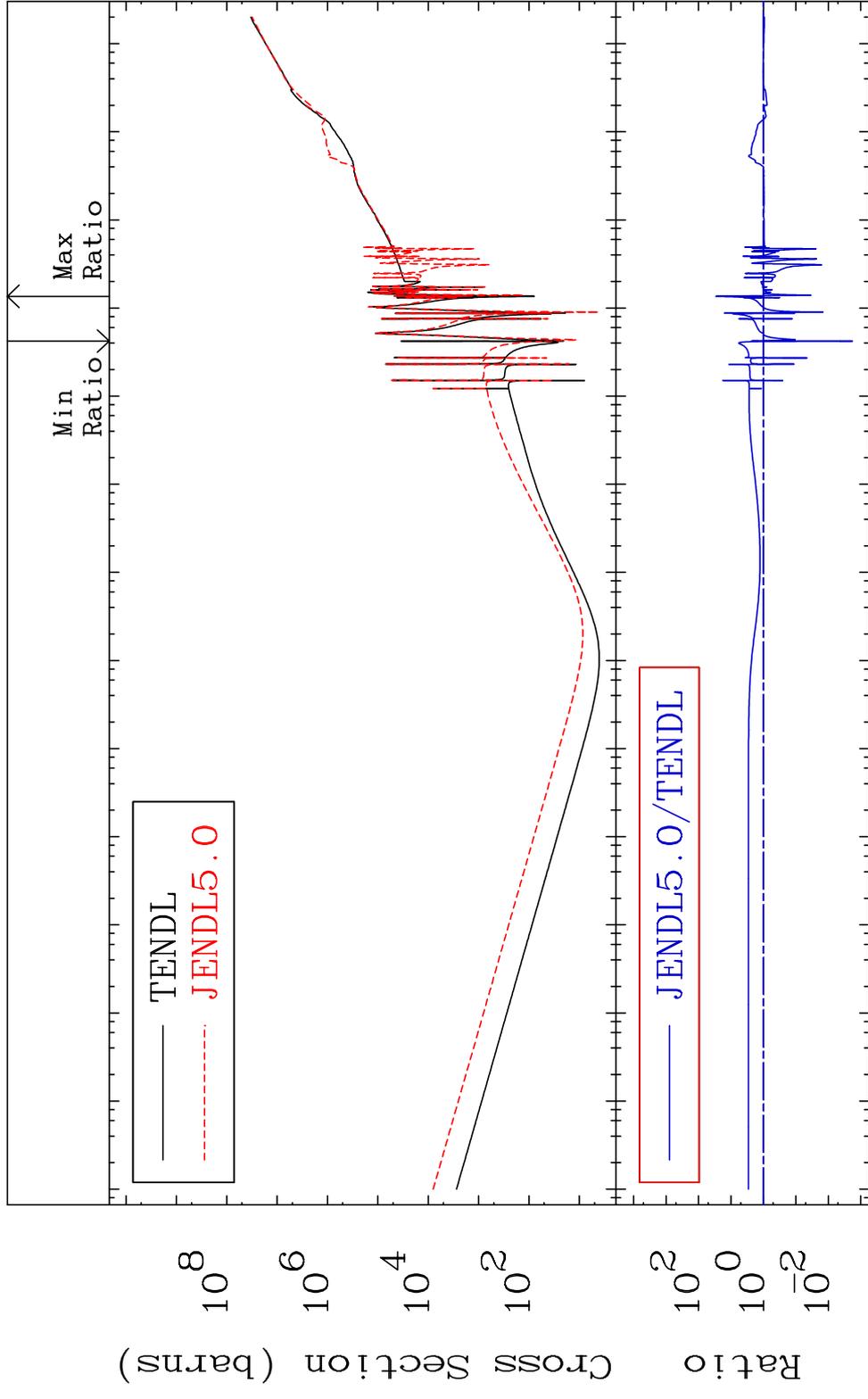


47

Incident Energy (eV)

²⁰Ca-44

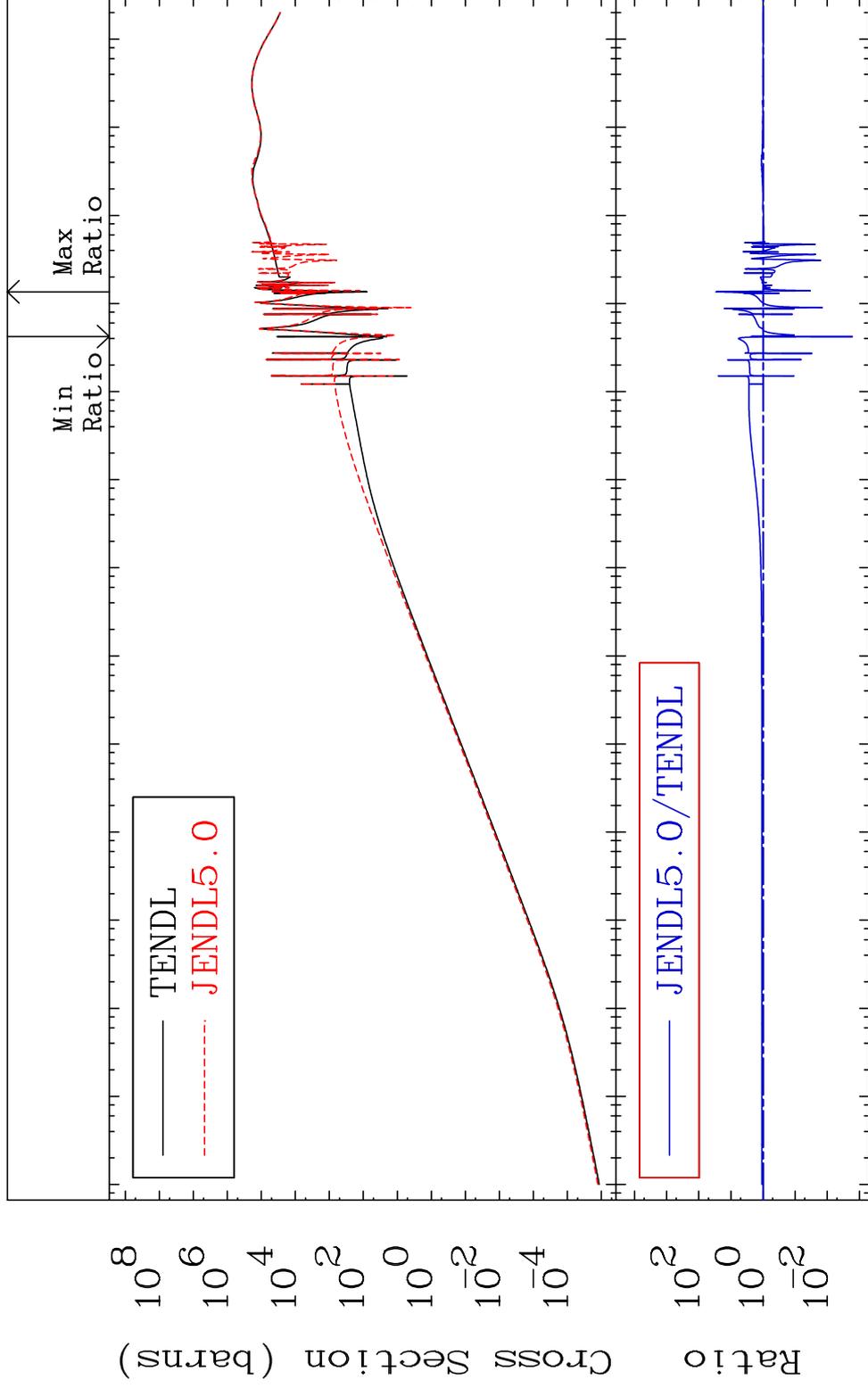
MAT 2037 Kerma total (eV-barns) 20-Ca-44
 Cross Section -99.82 To 2825. %



MAT 2037

Kerma elastic
Cross Section

20-Ca-44
-99.84 To 2828. %

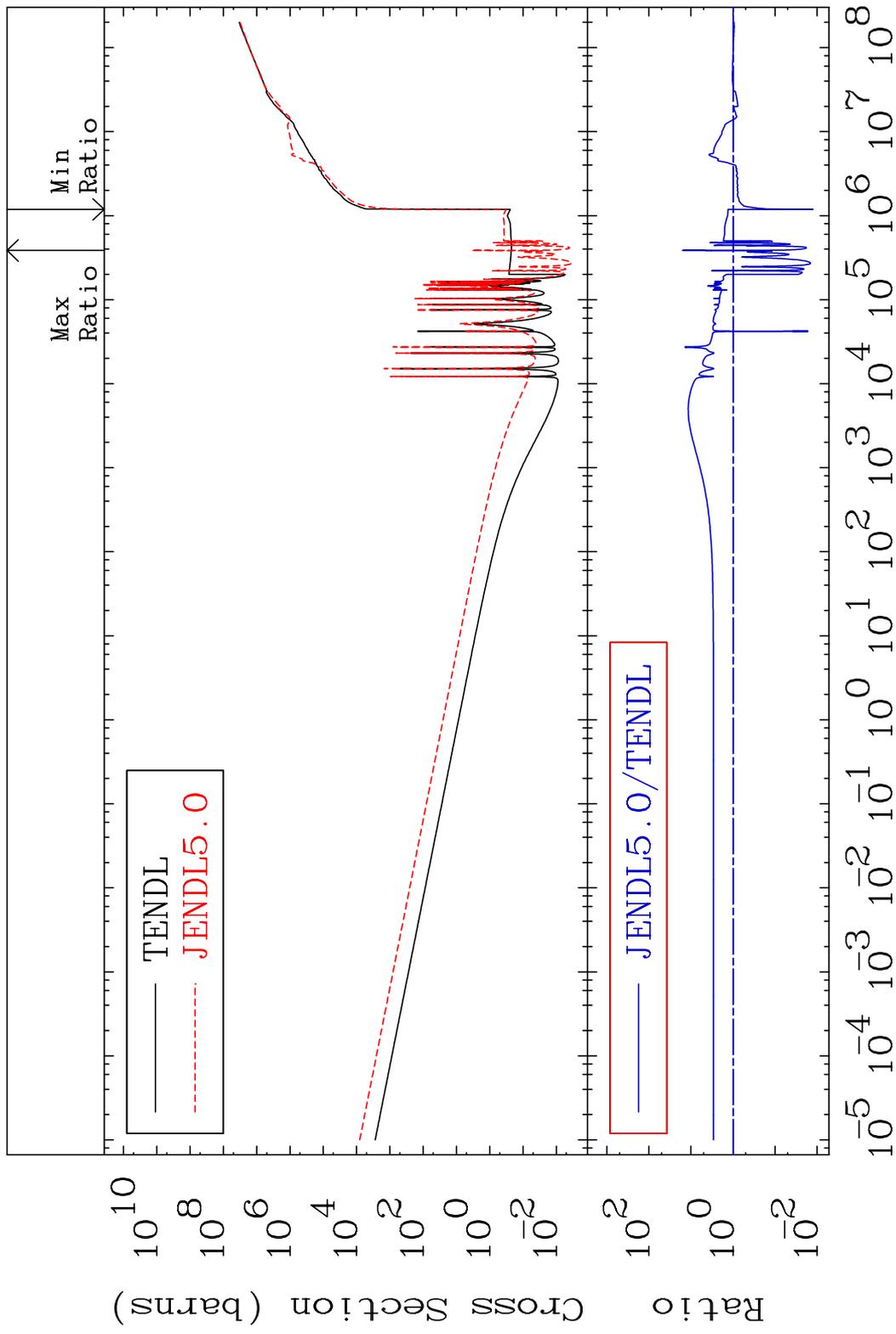


49

Incident Energy (eV)

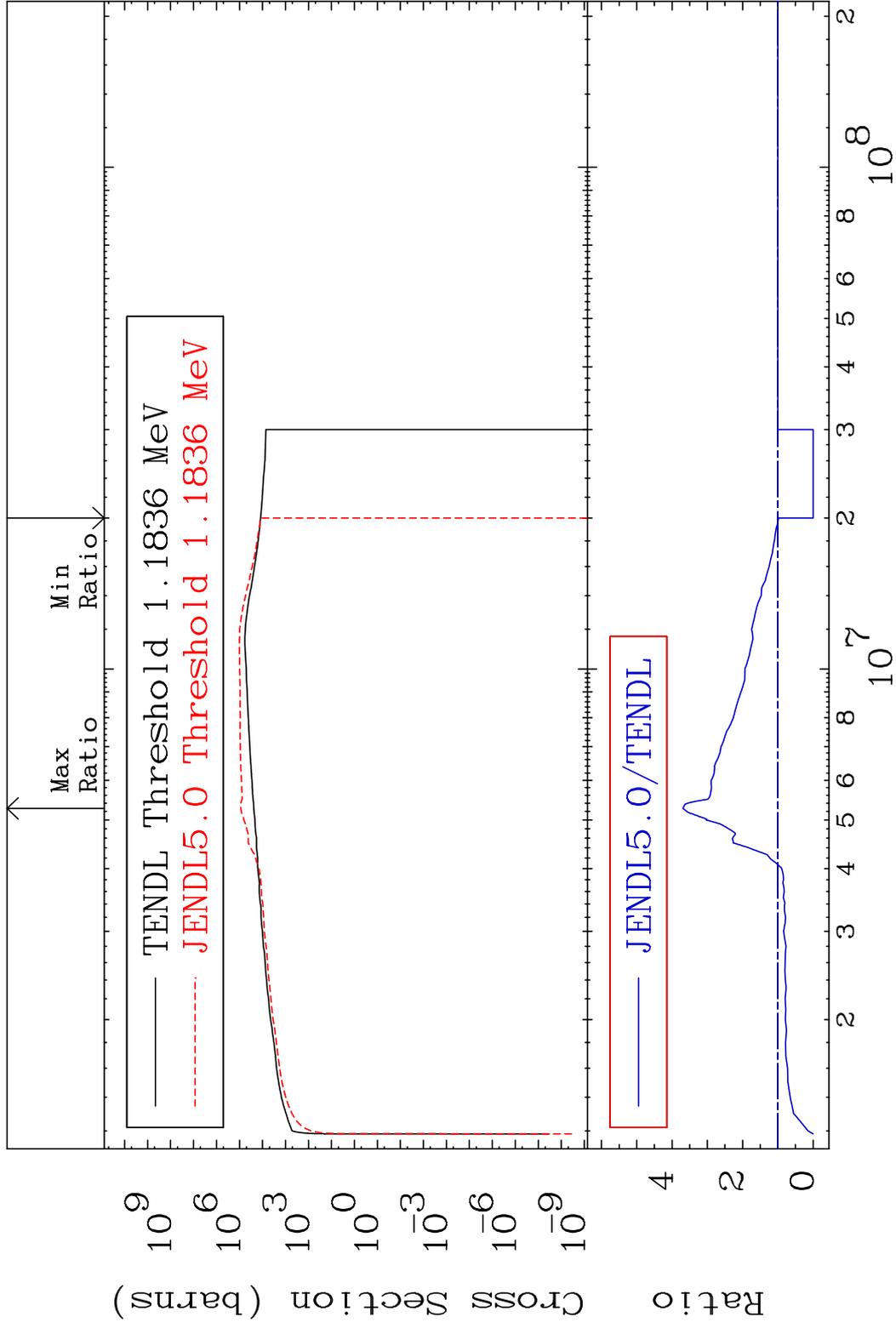
20-Ca-44

MAT 2037 Kerma non-elastic (all but mt2) 20-Ca-44
 Cross Section -98.76 To 1460. %

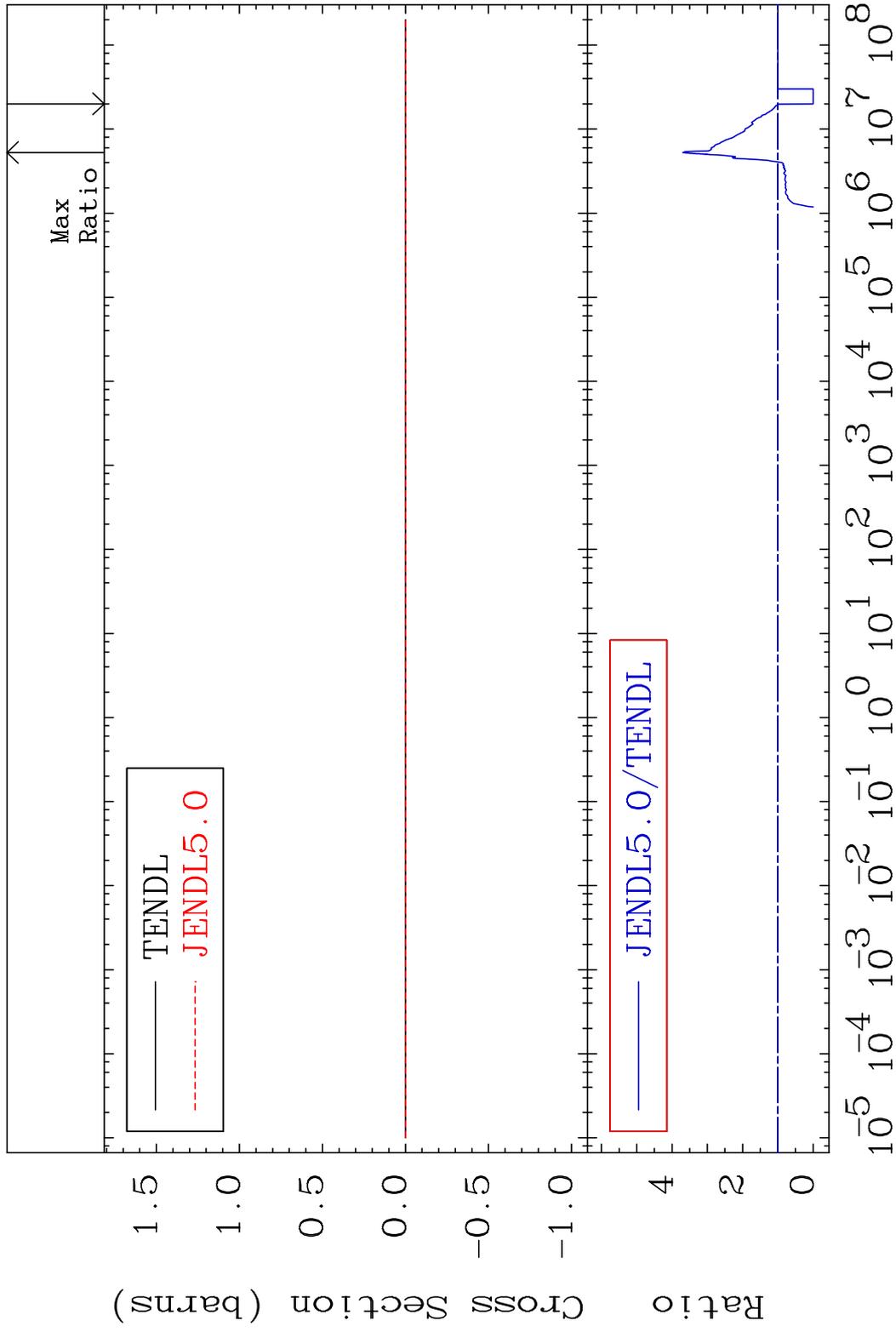


50 Incident Energy (eV) 20-Ca-44

MAT 2037 Kerma inelastic (mt51-91) 20-Ca-44
 Cross Section -100.0 To 269.4 %

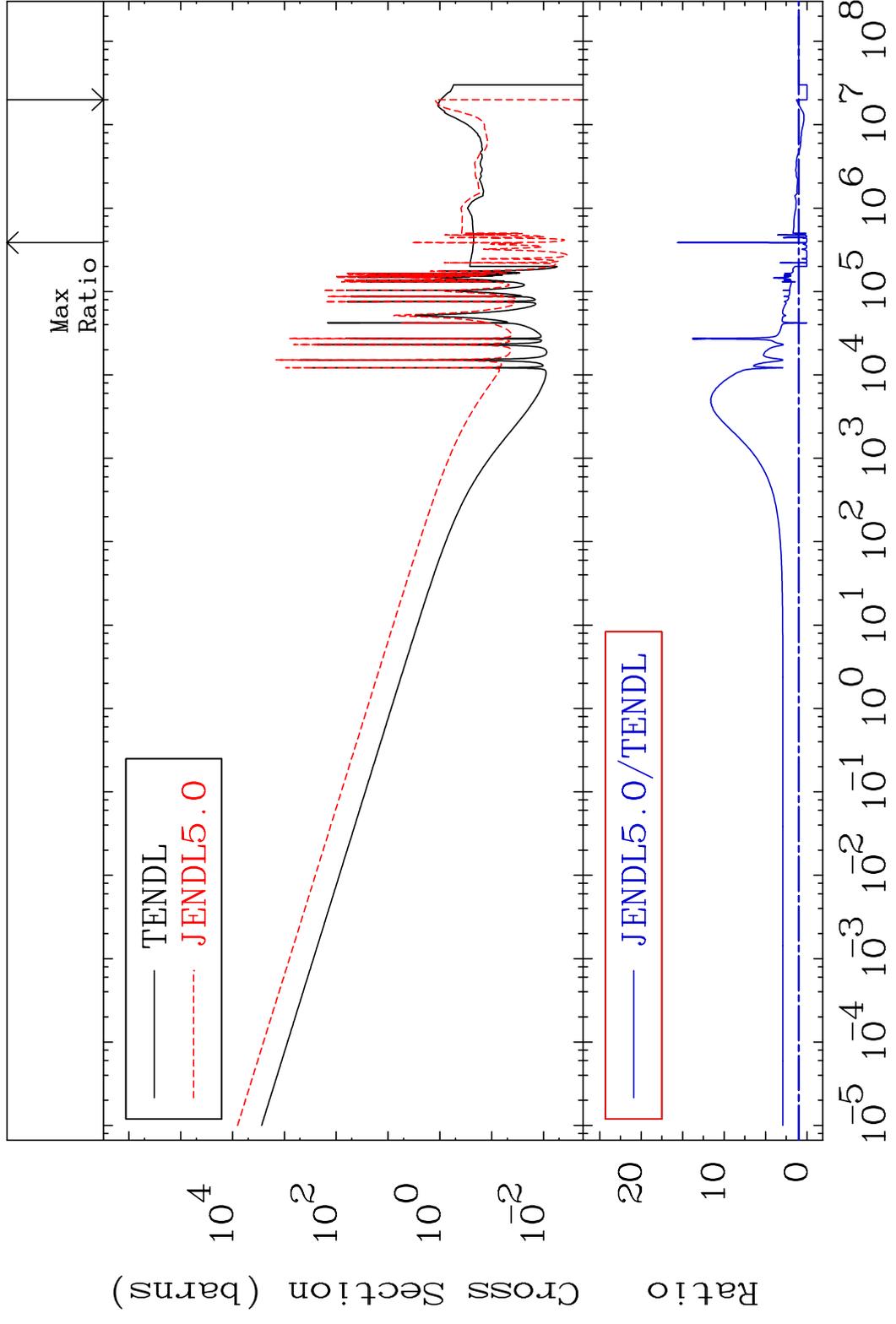


MAT 2037 Kerma fission (mt18 or mt19-20-21-38) 20-Ca-44
 Cross Section -100.0 To 269.4 %



MAT 2037

Kerma capture (mt102) 20-Ca-44
Cross Section -100.0 To 1460. %

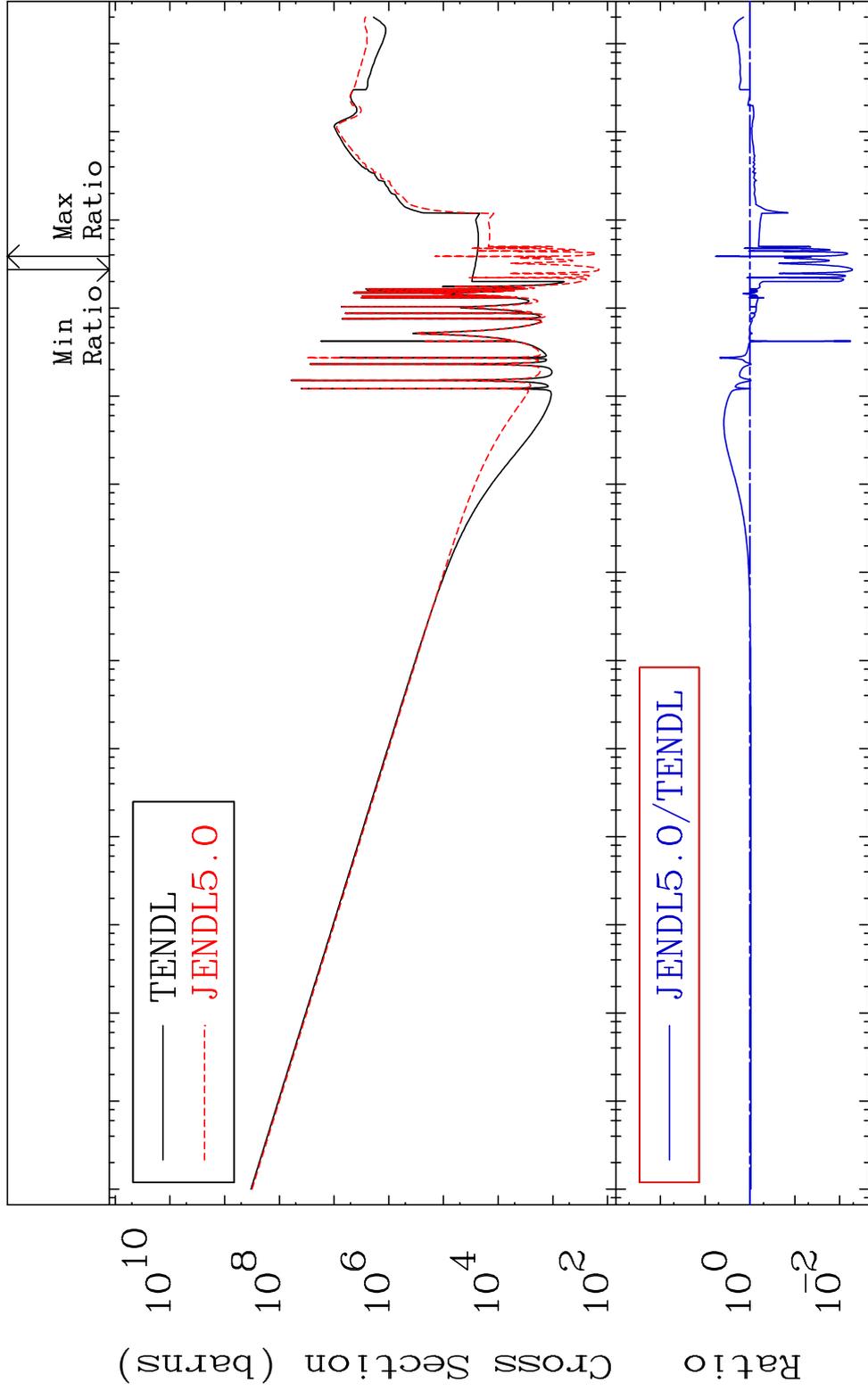


53

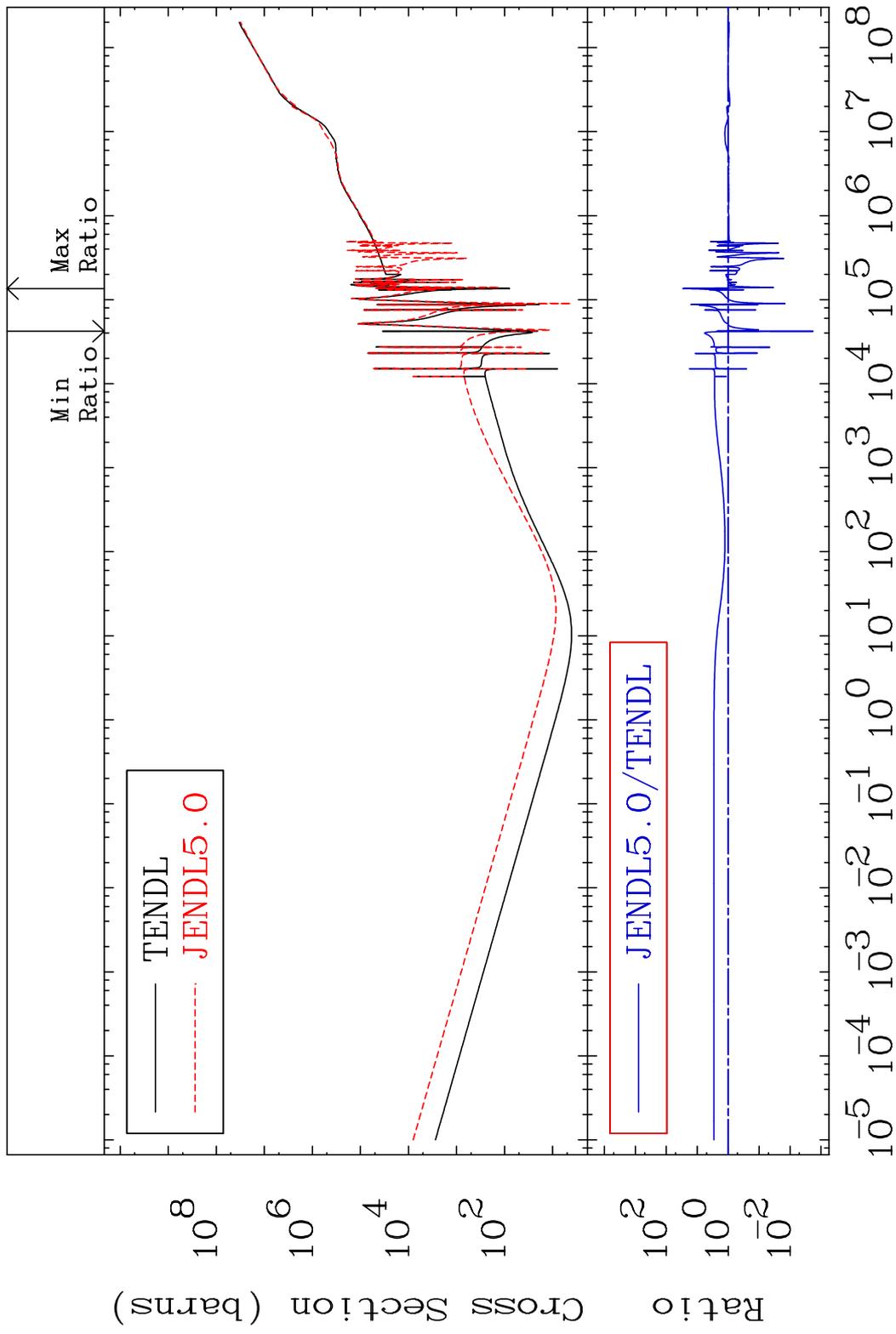
Incident Energy (eV) 20-Ca-44

MAT 2037

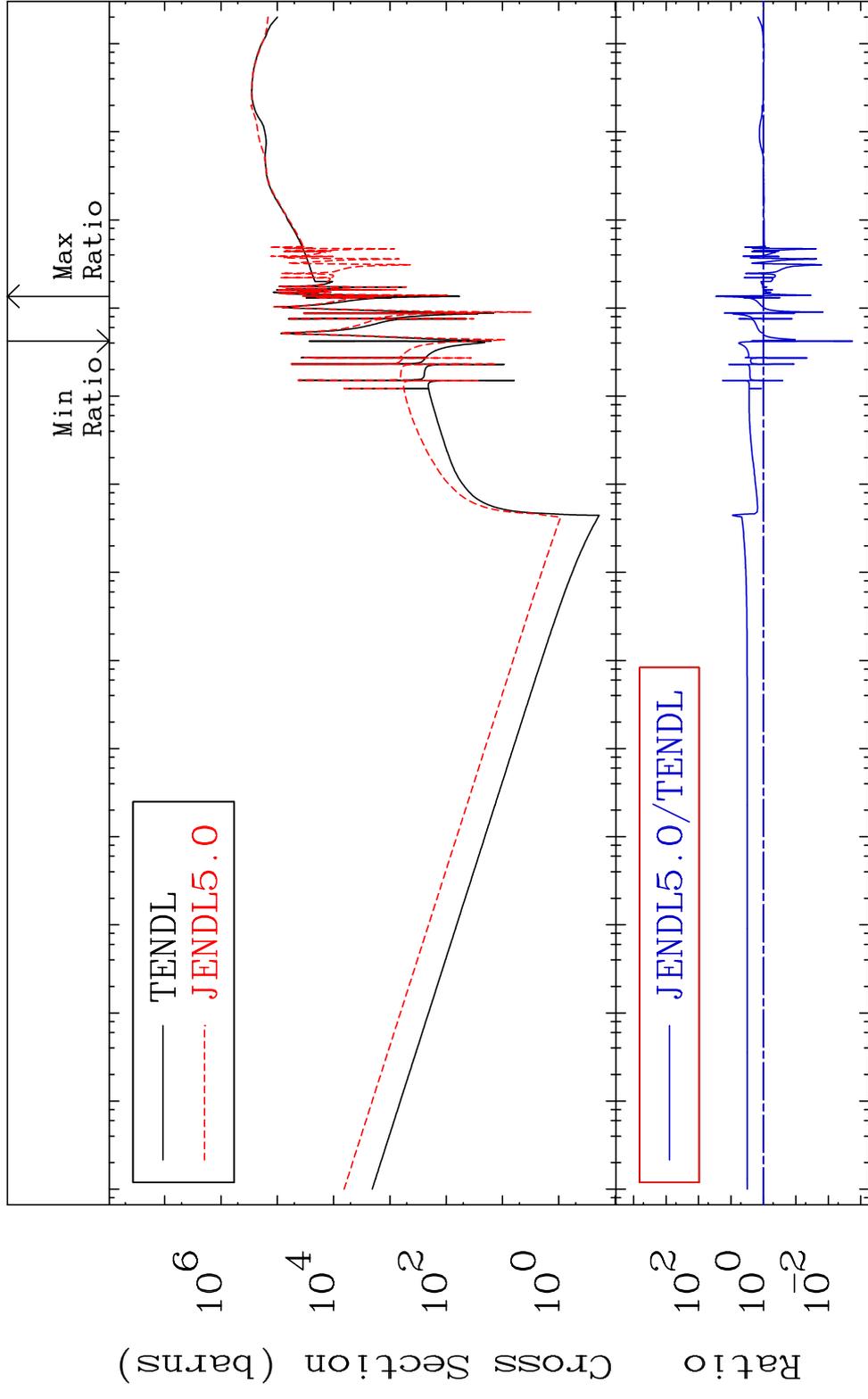
Total photon (eV-barns) 20-Ca-44
Cross Section -99.48 To 476.9 %



MAT 2037 Total kinematic kerma (high limit) 20-Ca-44
 Cross Section -99.82 To 2825. %



MAT 2037 Dpa total (eV-barns) 20-Ca-44
 Cross Section -99.82 To 2825. %

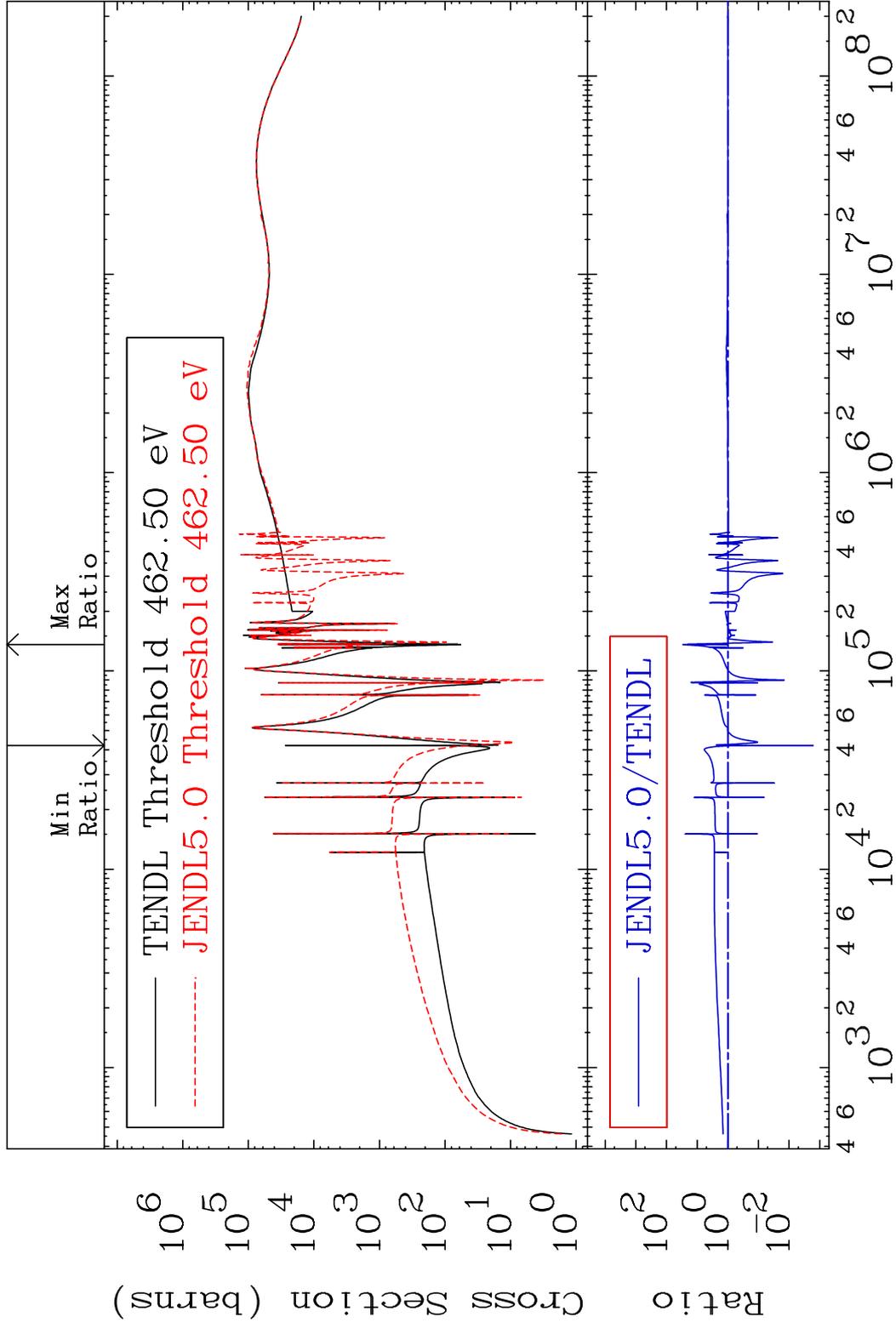


MAT 2037

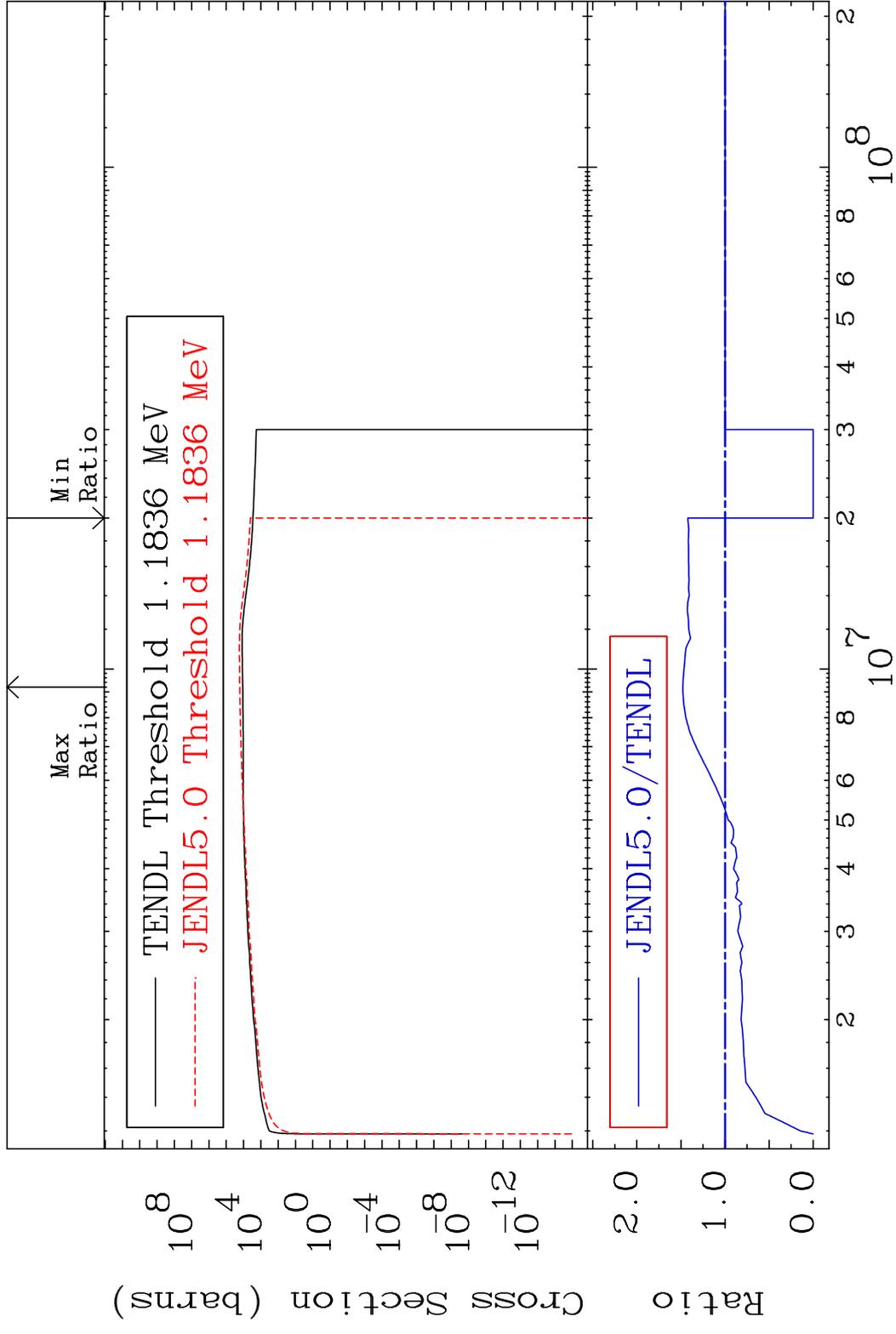
Dpa elastic (mt2)

20-Ca-44

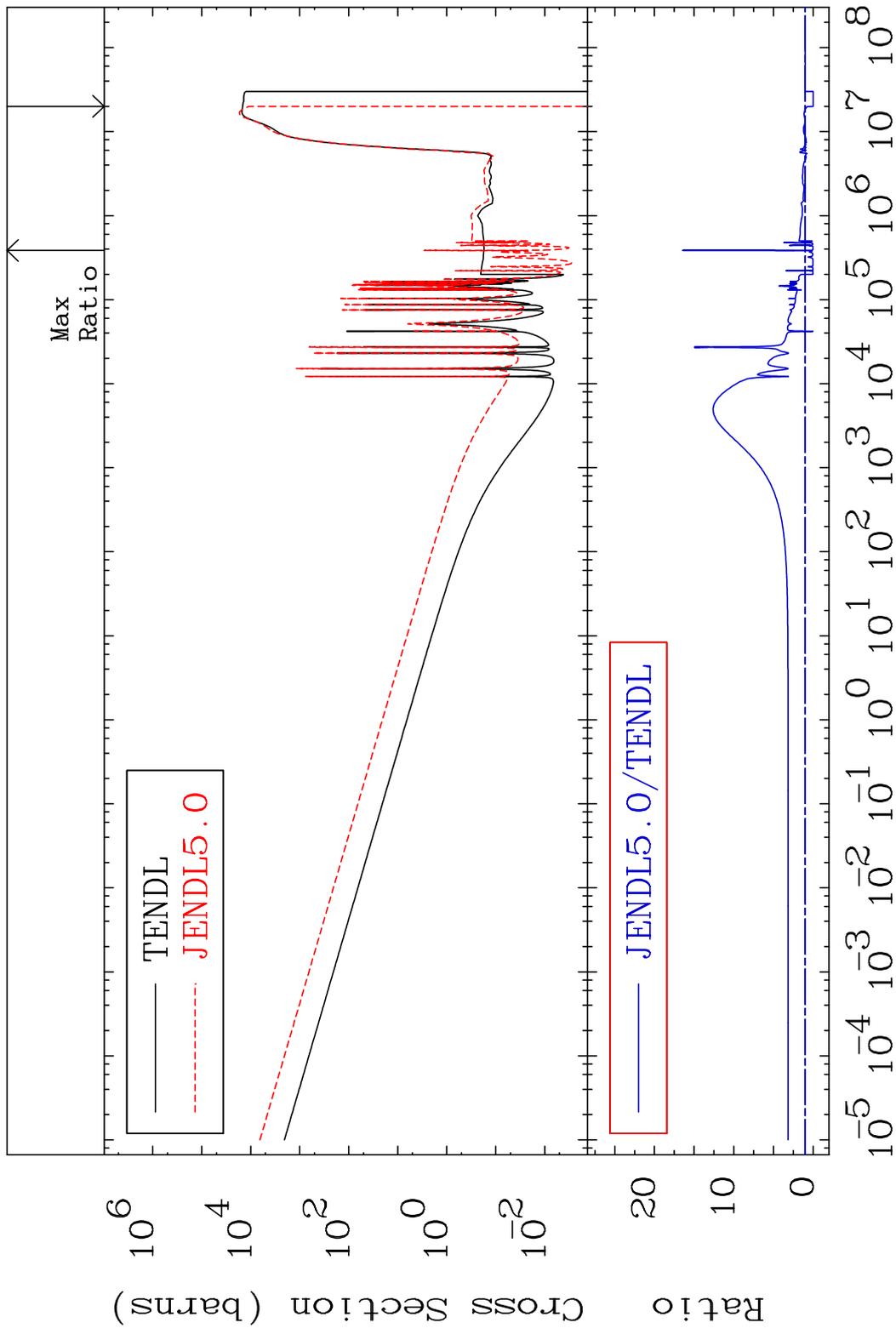
Cross Section -99.84 To 2828. %



MAT 2037 Dpa inelastic (mt51-91) 20-Ca-44
 Cross Section -100.0 To 47.84 %



MAT 2037 Dpa disappearance (mt102 -120) 20-Ca-44
 Cross Section -100.0 To 1542. %

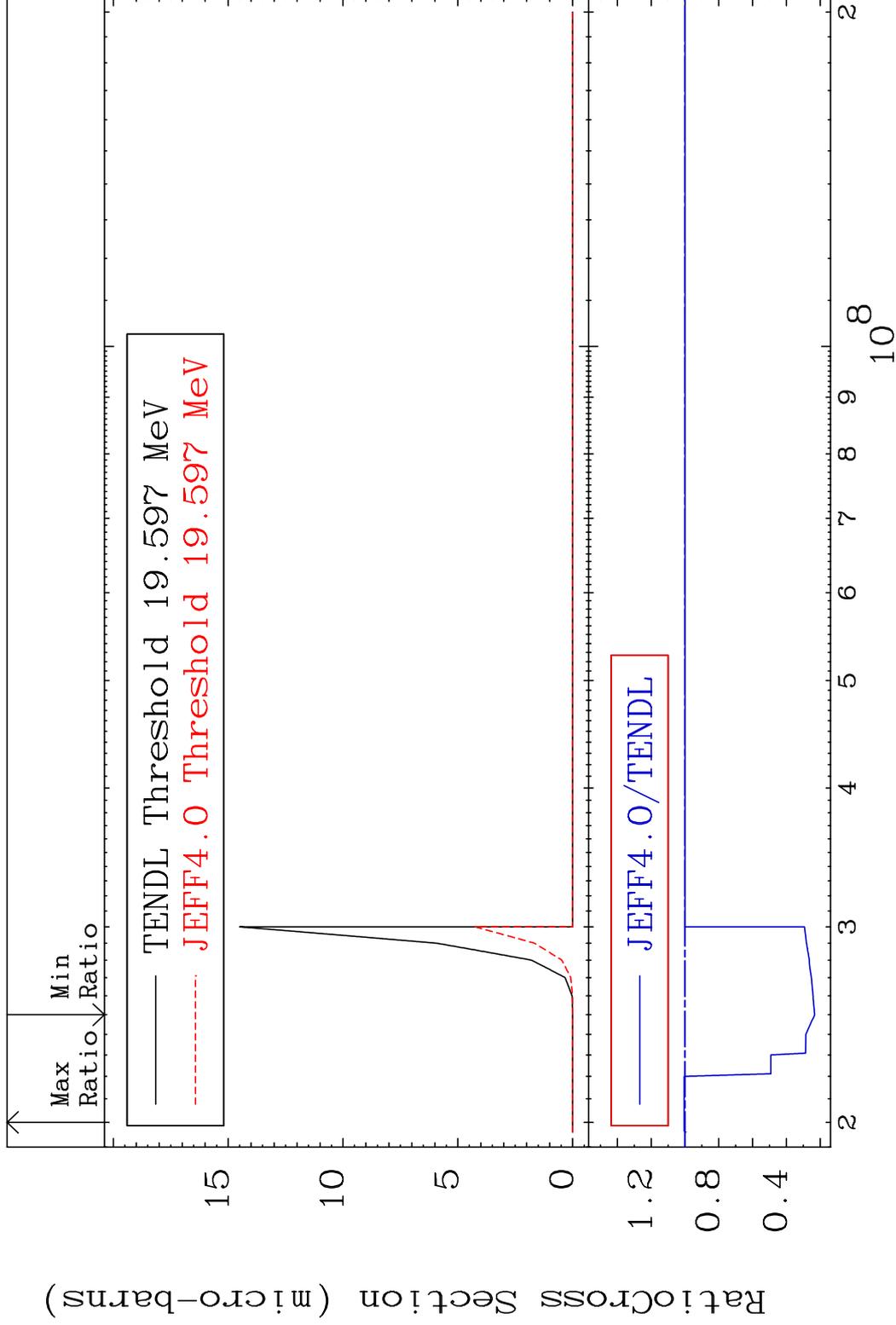


MAT 2037

(n,d) α

20-Ca-44

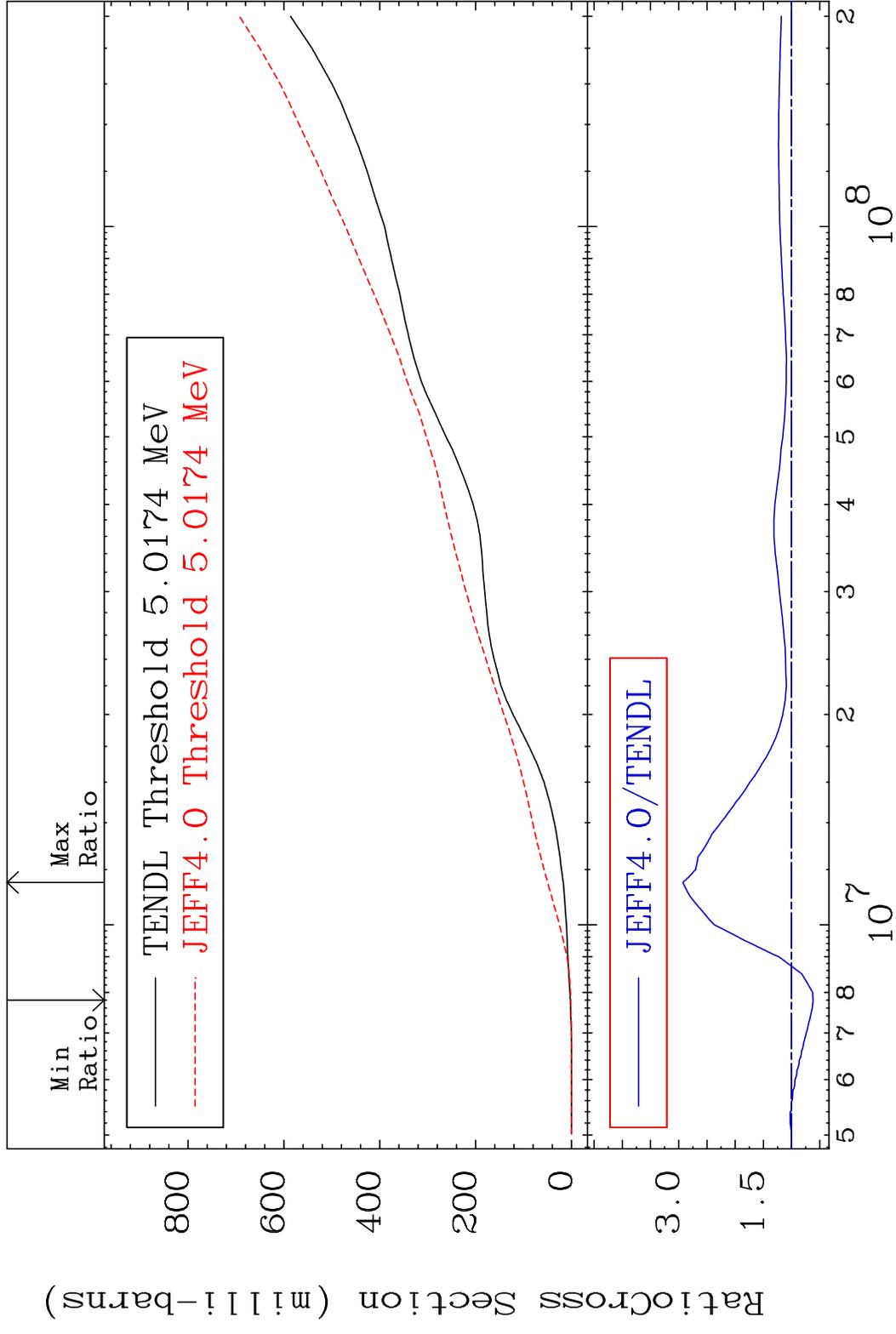
Cross Section -76.75 To 0.495 %



60

Incident Energy (eV)

20-Ca-44

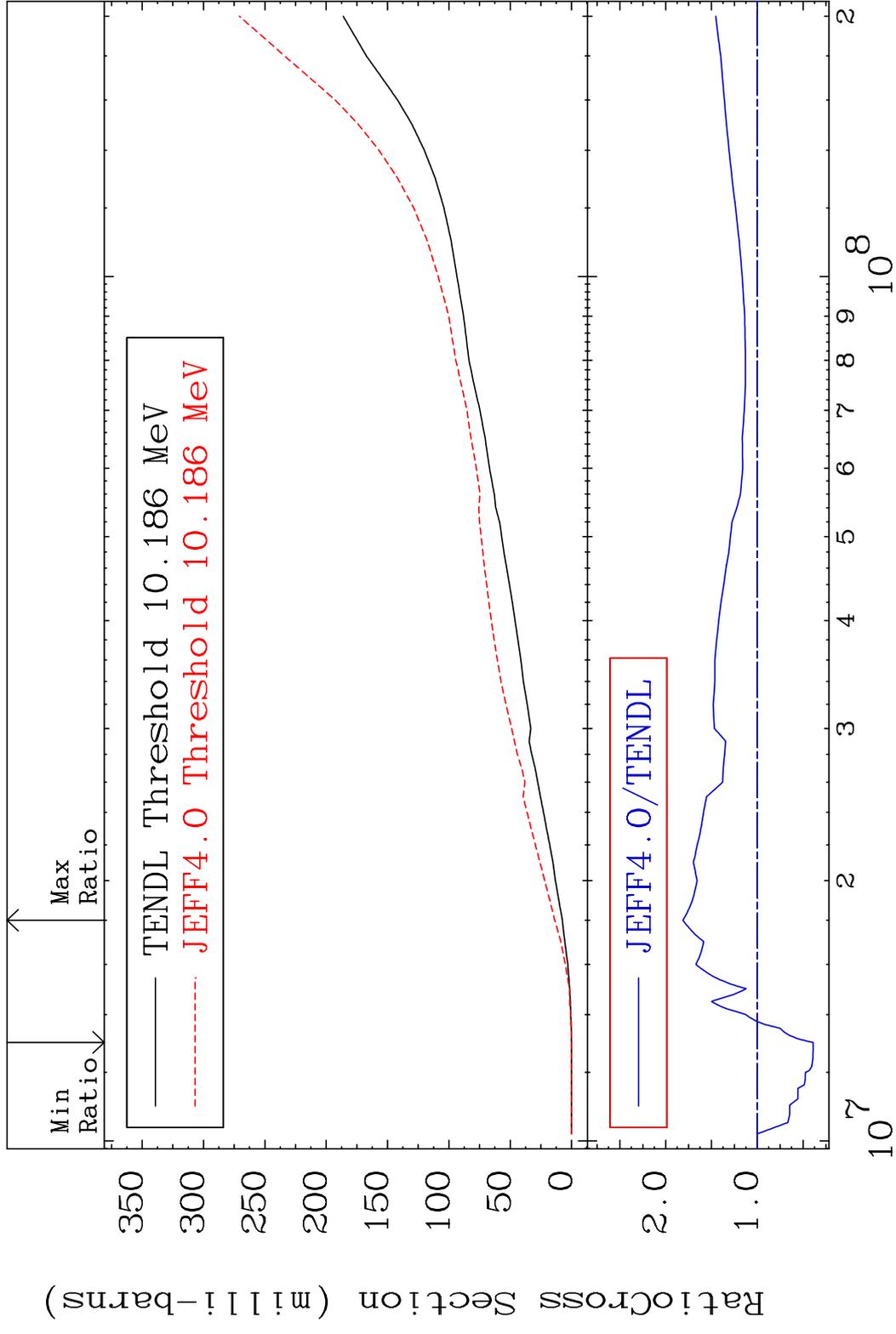


MAT 2037

Deuterium Production

20-Ca-44

Cross Section -61.03 To 81.31 %

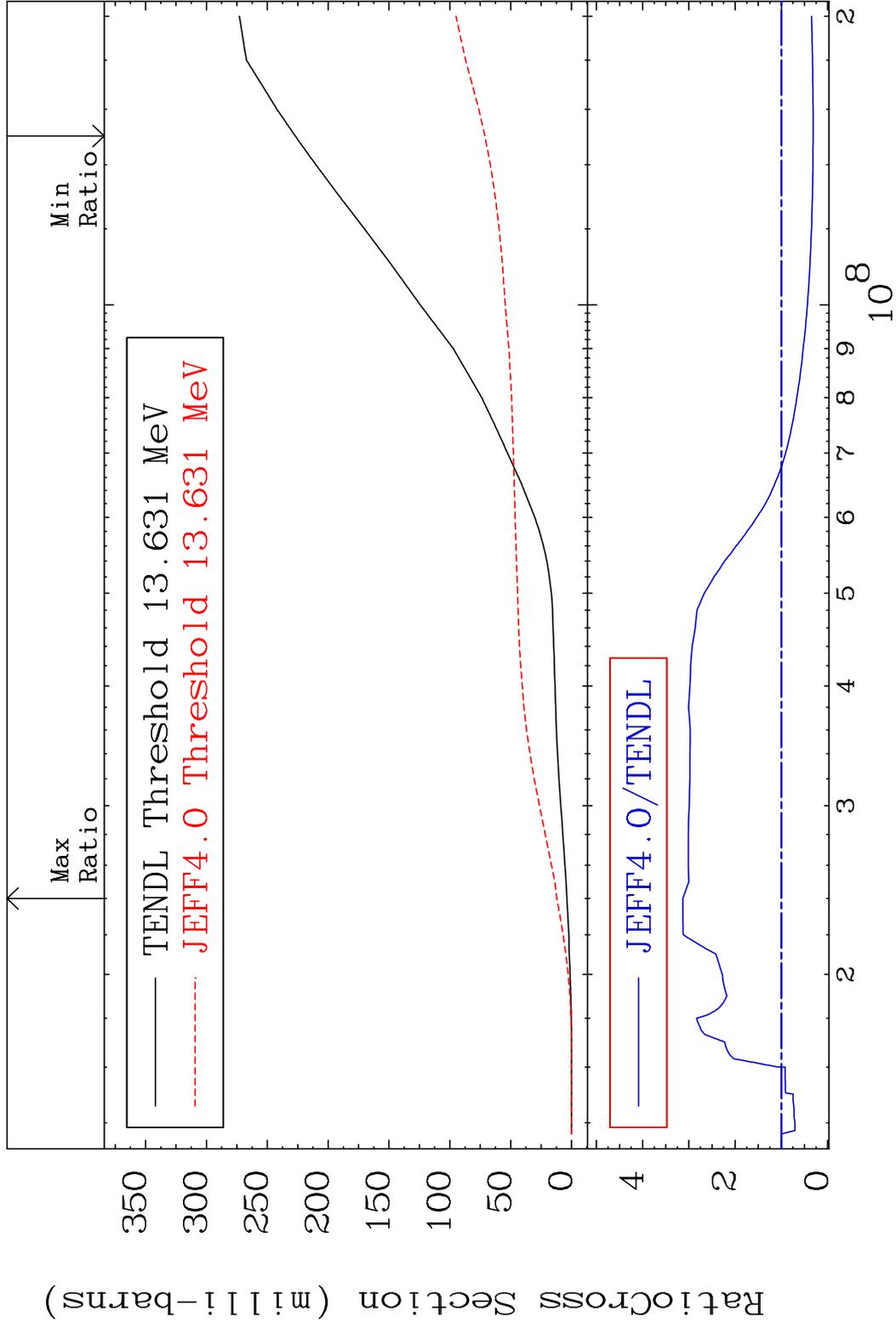


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Incident Energy (eV)

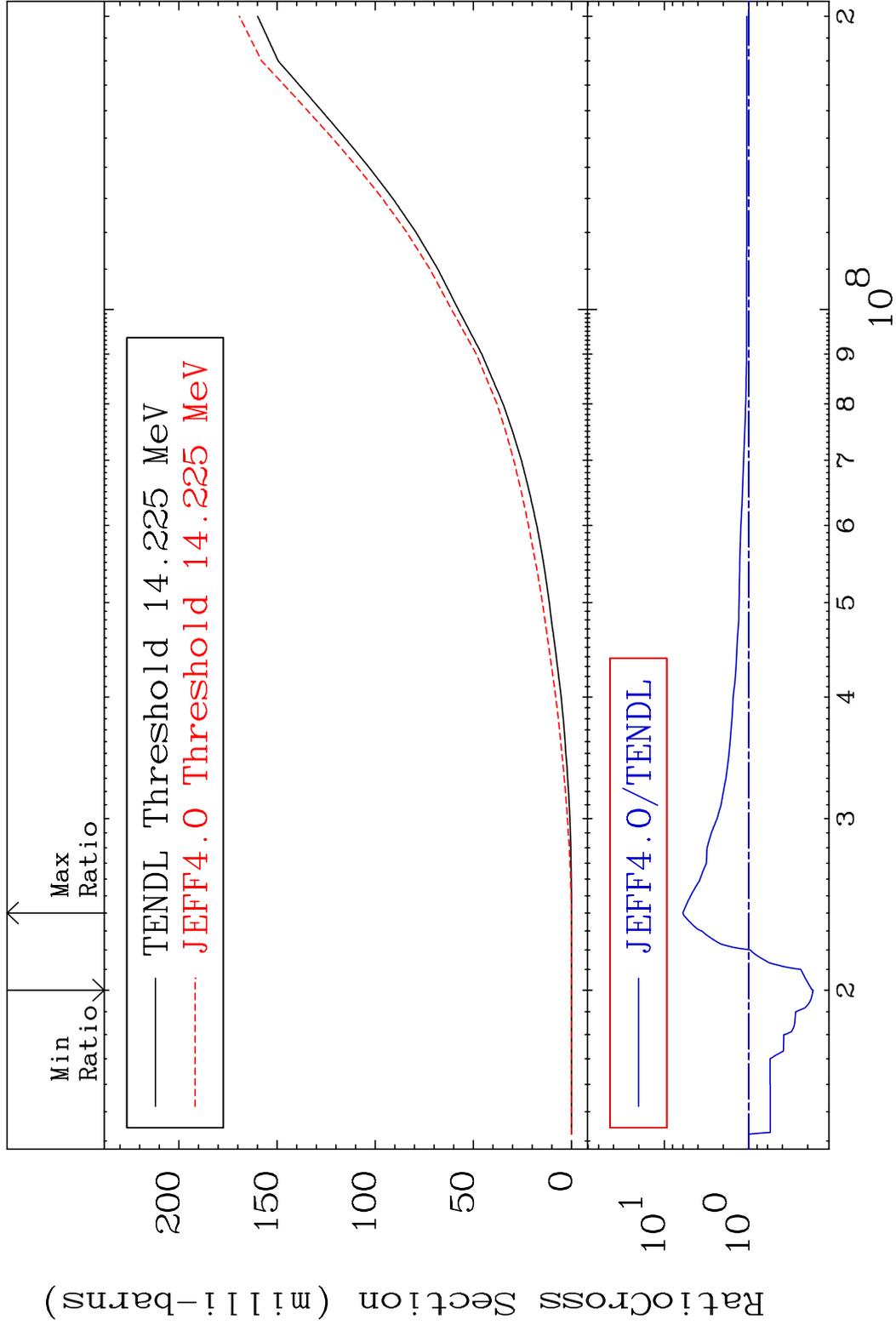
20-Ca-44

MAT 2037 Tritium Production 20-Ca-44
 Cross Section -68.63 To 213.1 %

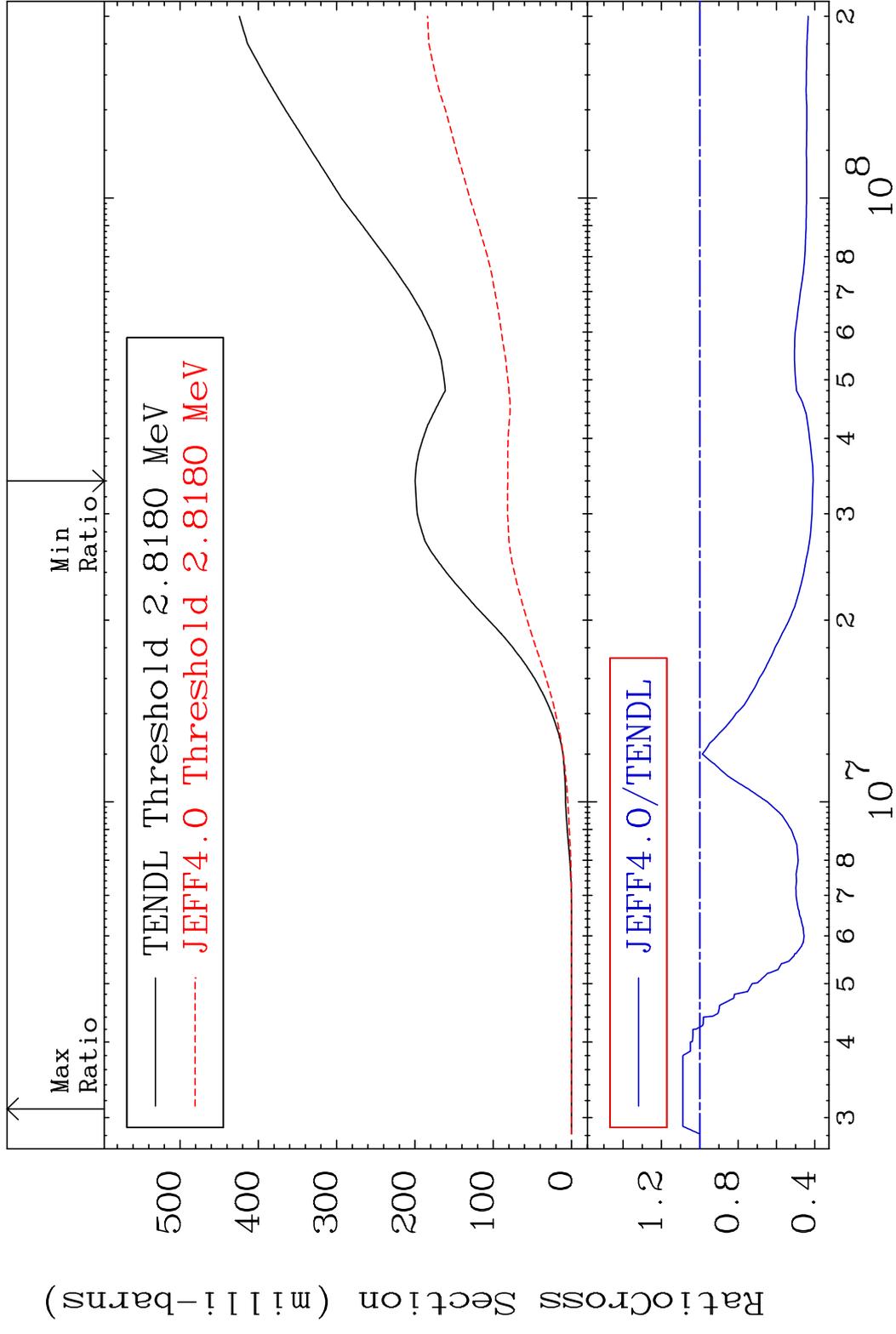


63 Incident Energy (eV) 20-Ca-44

Cross Section -82.72 To 503.9 %



Cross Section -59.19 To 8.805 %

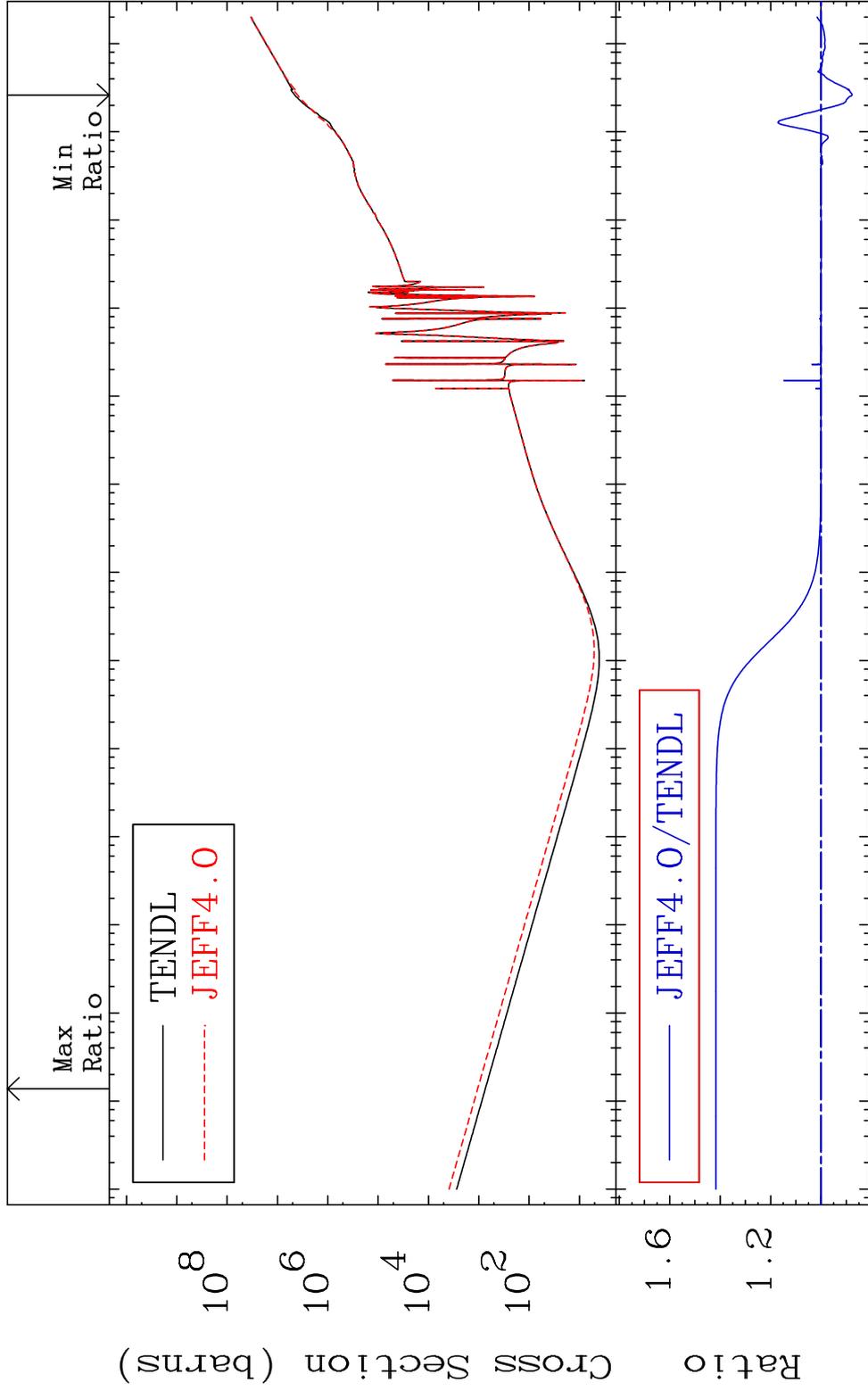


MAT 2037

Kerma total (eV-barns)

20-Ca-44

Cross Section -12.46 To 41.68 %



66

Incident Energy (eV)

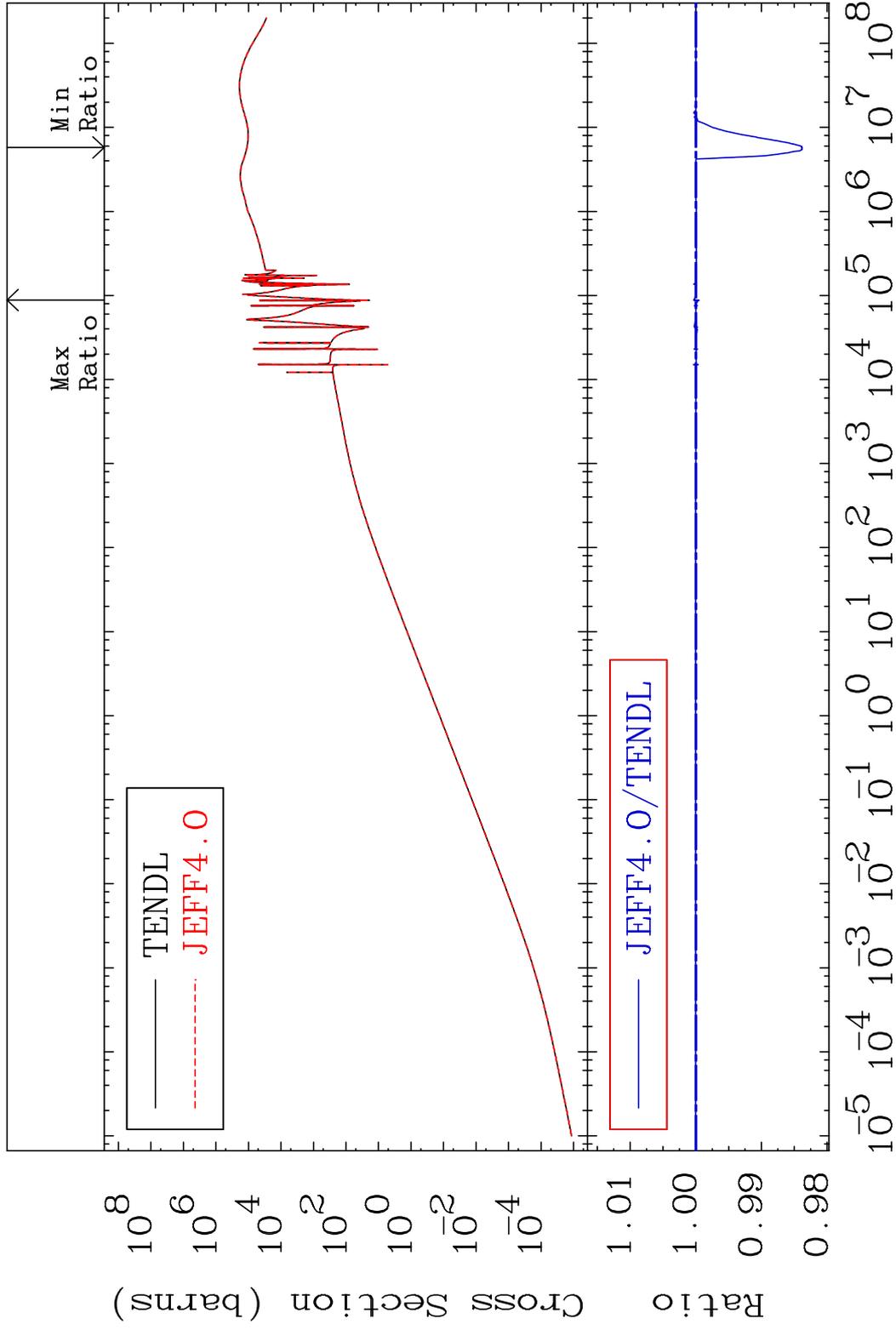
20-Ca-44

MAT 2037

Kerma elastic

20-Ca-44

Cross Section -1.622 To 0.033 %

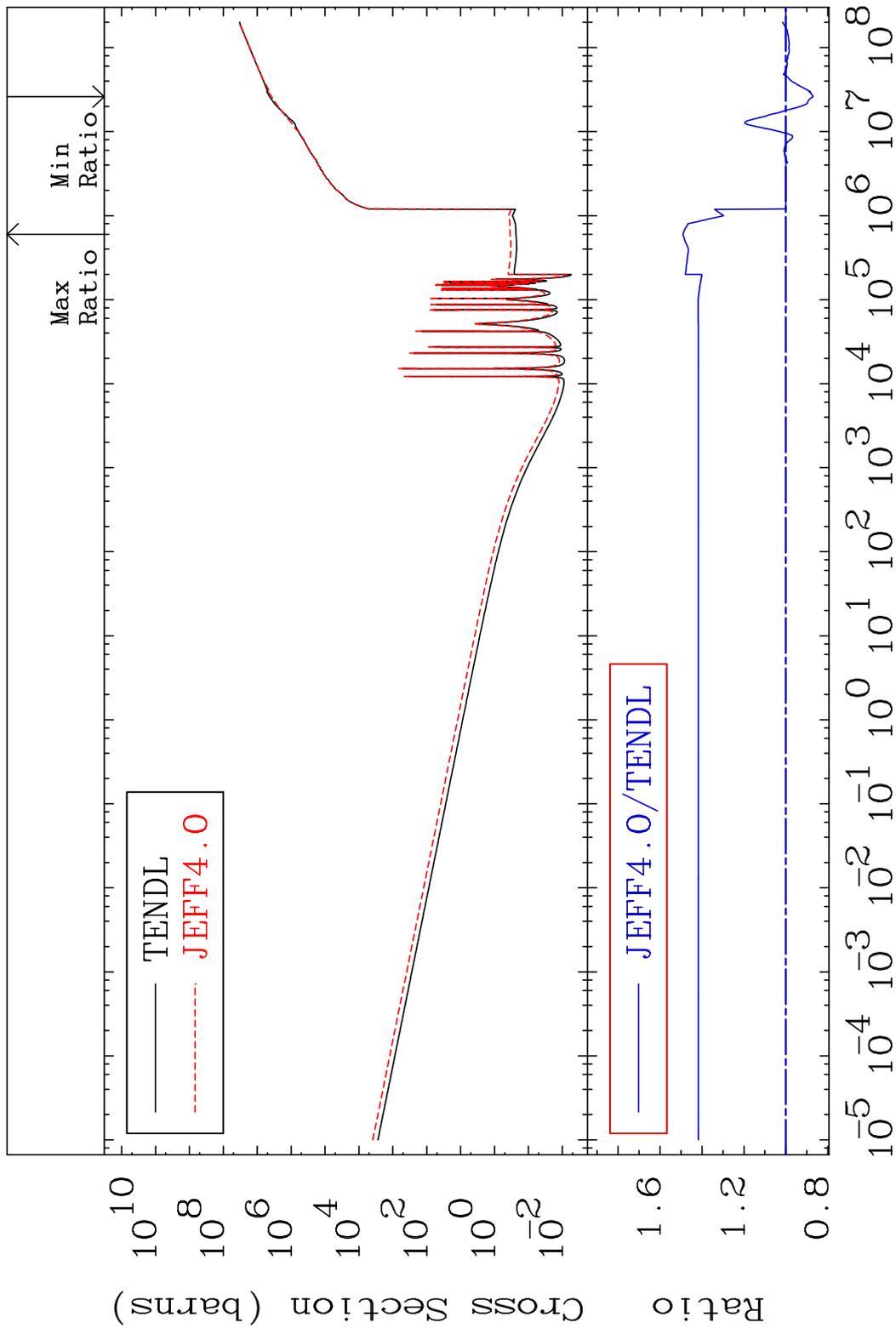


67

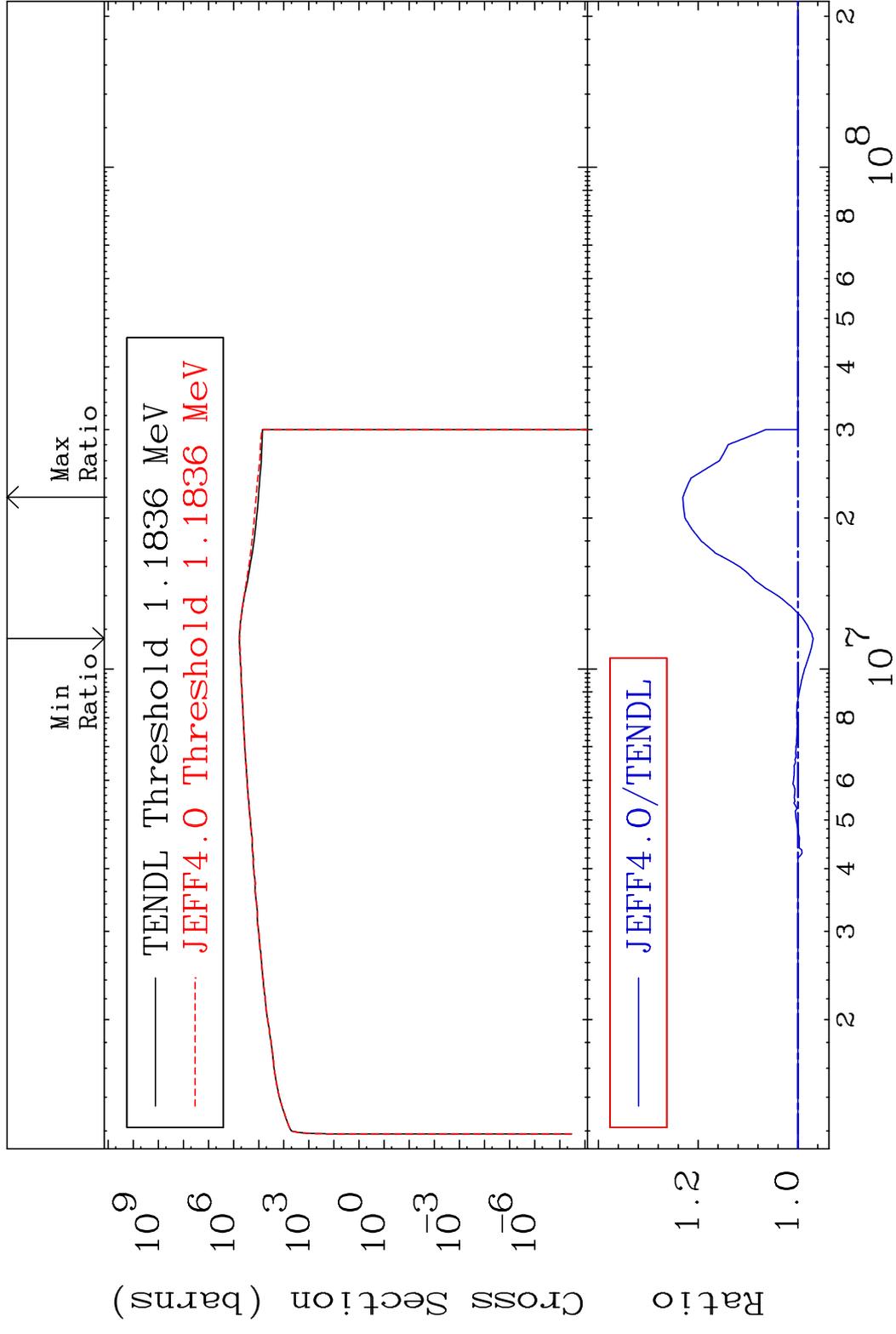
Incident Energy (eV)

20-Ca-44

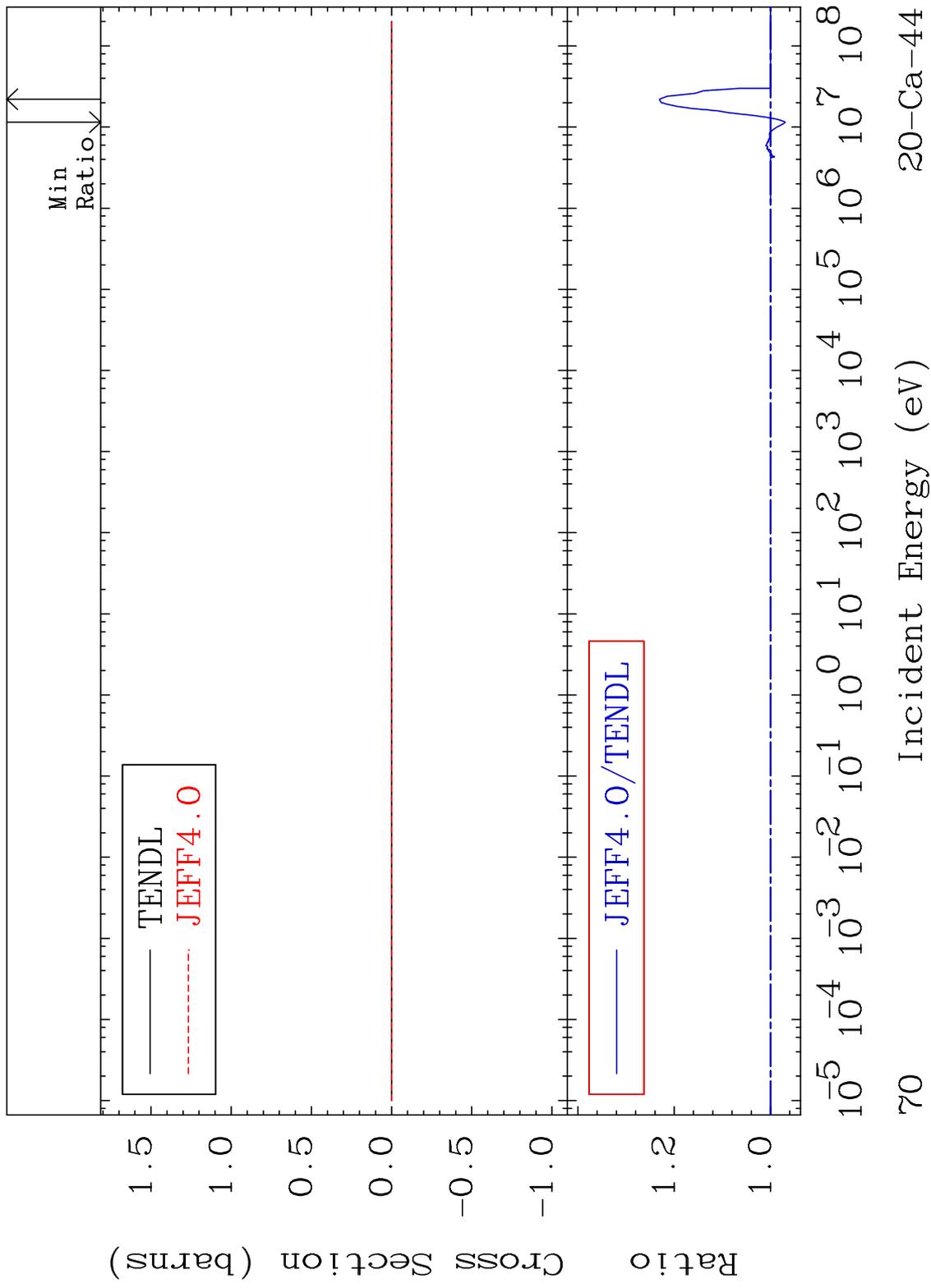
MAT 2037 Kerma non-elastic (all but mt2) 20-Ca-44
 Cross Section -12.99 To 49.14 %



MAT 2037 Kerma inelastic (mt51-91) 20-Ca-44
 Cross Section -3.054 To 23.07 %



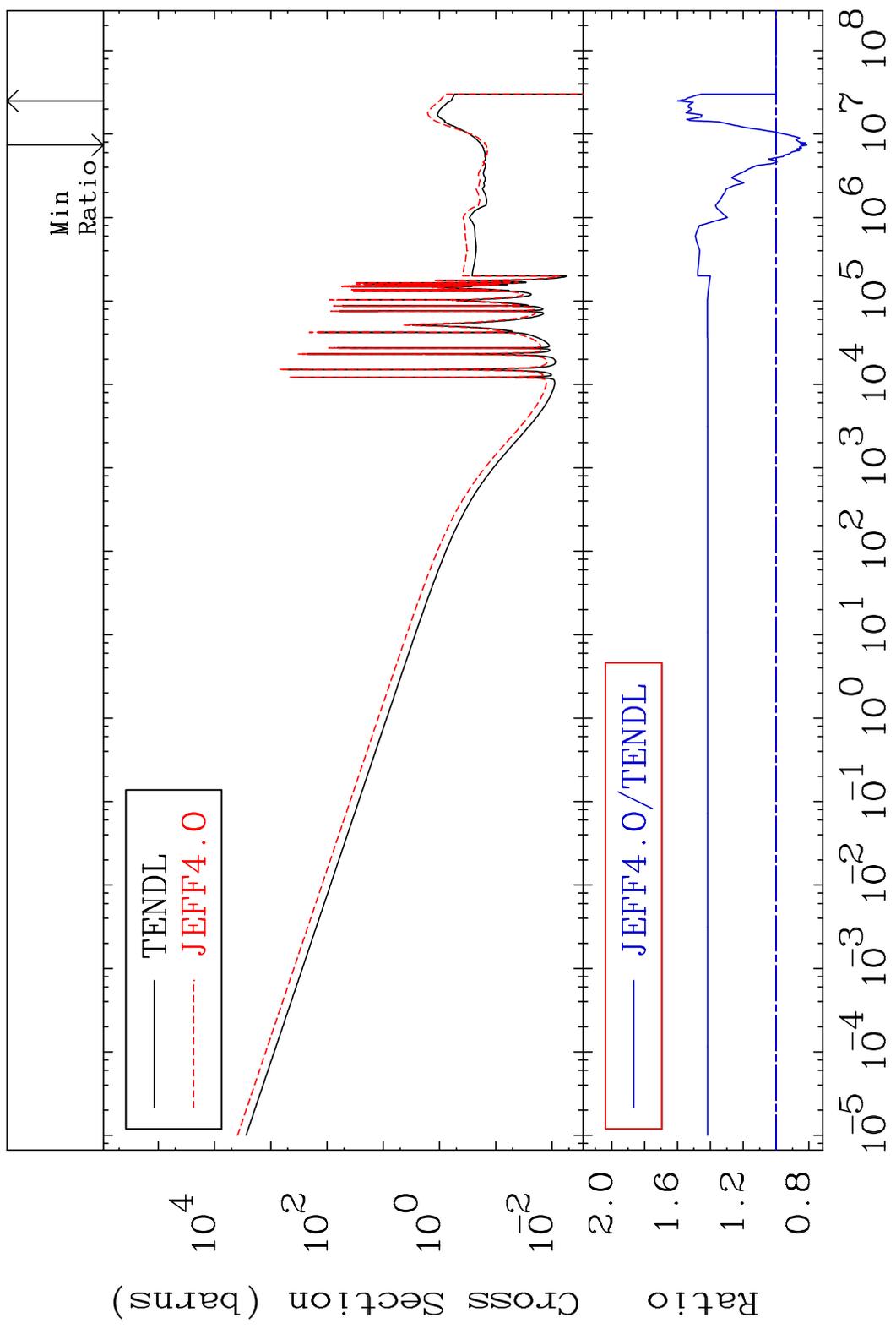
MAT 2037 Kerma fission (mt18 or mt19-20-21-38) 20-Ca-44
Cross Section -3.054 To 23.07 %



20-Ca-44

MAT 2037

Kerma capture (mt102) 20-Ca-44
Cross Section -18.82 To 59.87 %



71

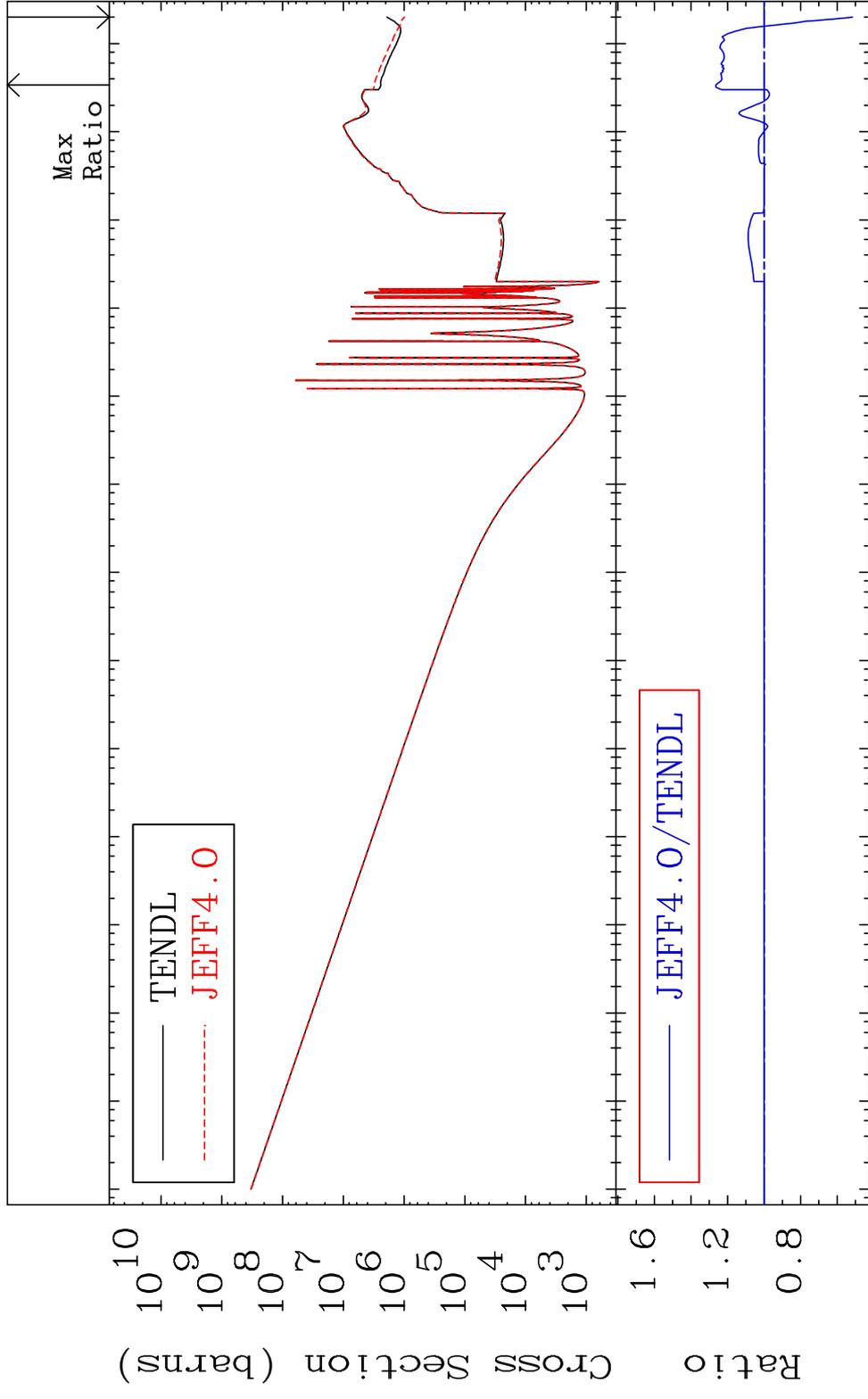
Incident Energy (eV) 20-Ca-44

MAT 2037

Total photon (eV-barns)

20-Ca-44

Cross Section -48.37 To 26.38 %

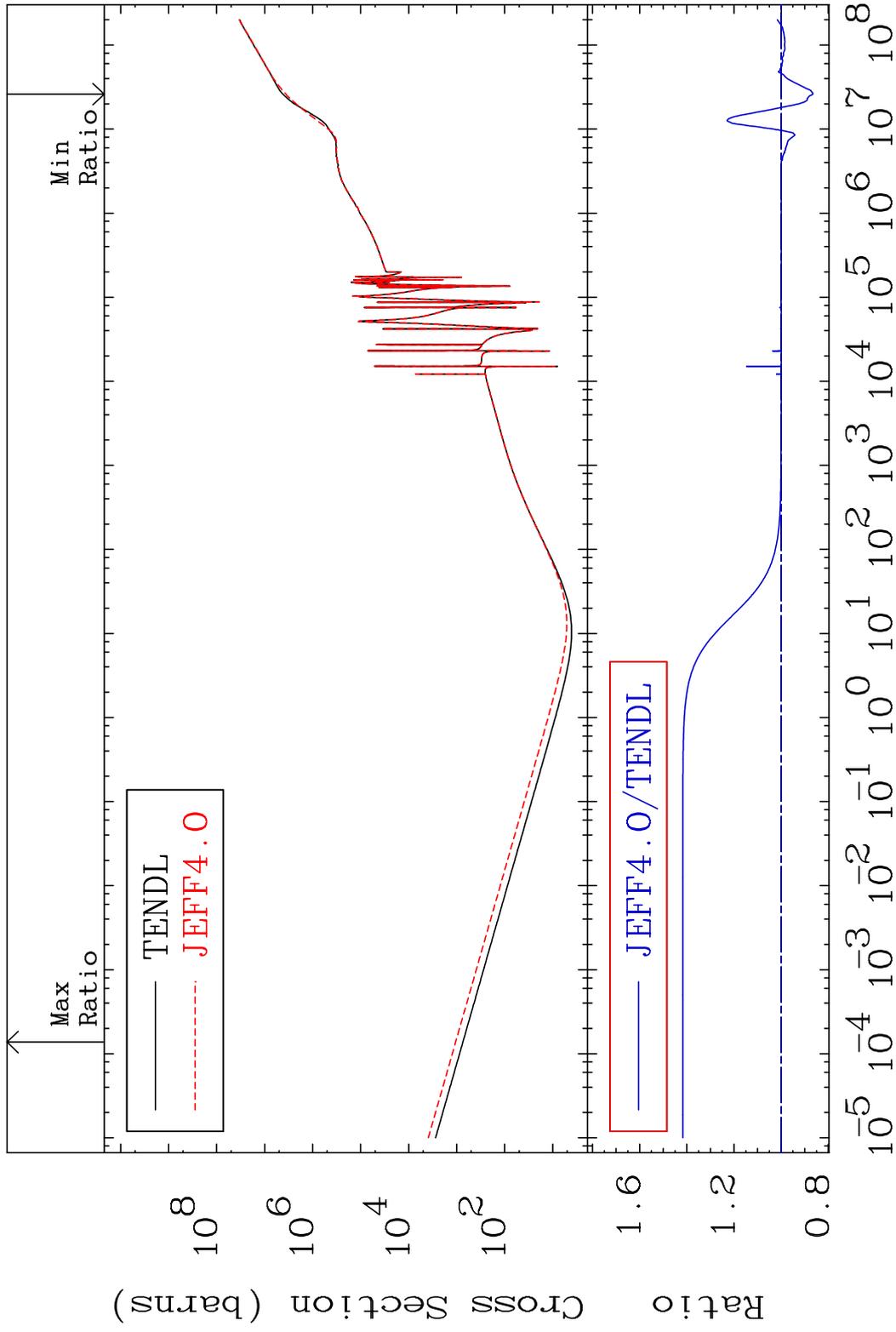


72

Incident Energy (eV)

20-Ca-44

MAT 2037 Total kinematic kerma (high limit) 20-Ca-44
Cross Section -13.56 To 41.68 %

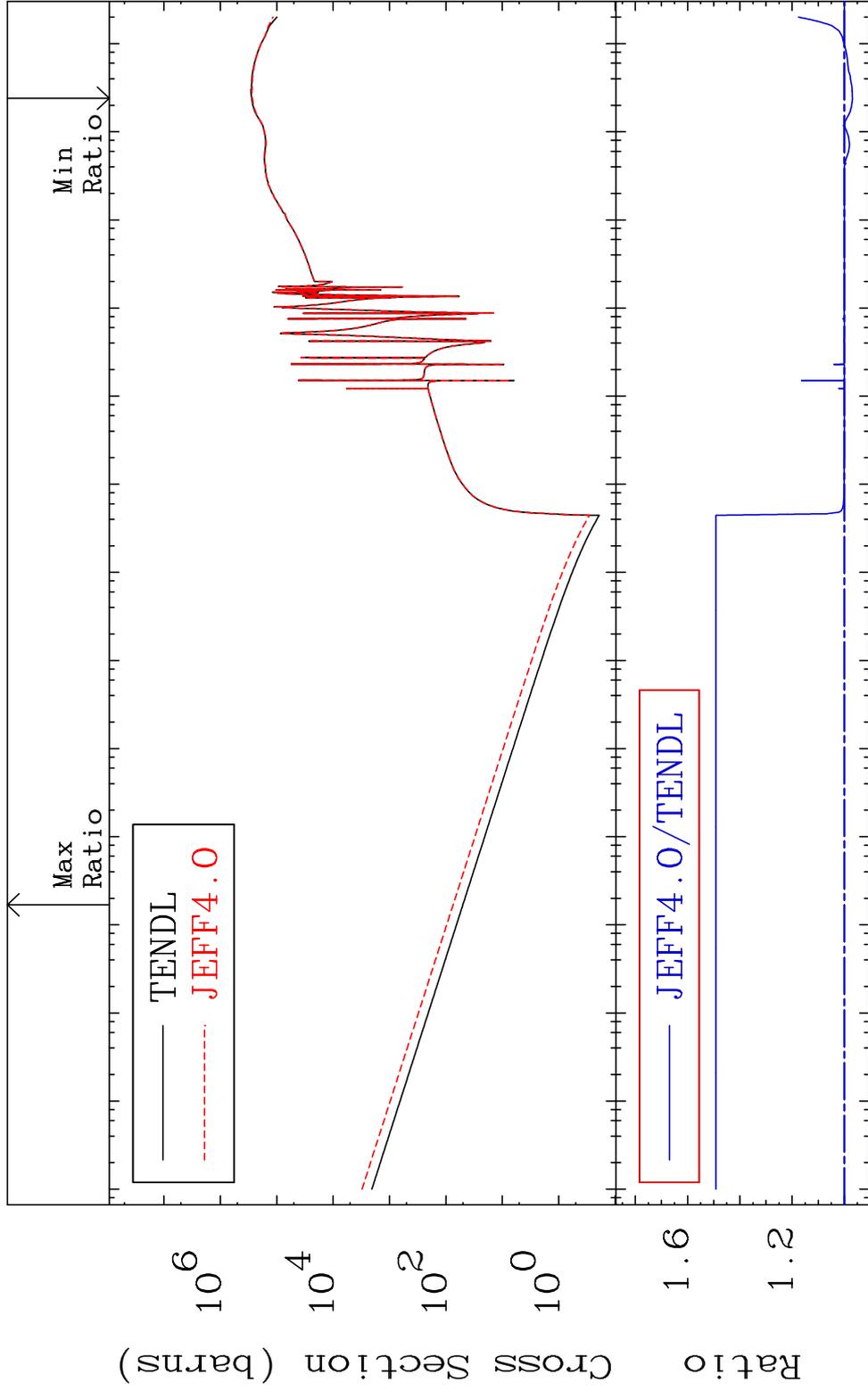


73

Incident Energy (eV)

20-Ca-44

MAT 2037 Dpa total (eV-barns) 20-Ca-44
 Cross Section -3.121 To 49.17 %



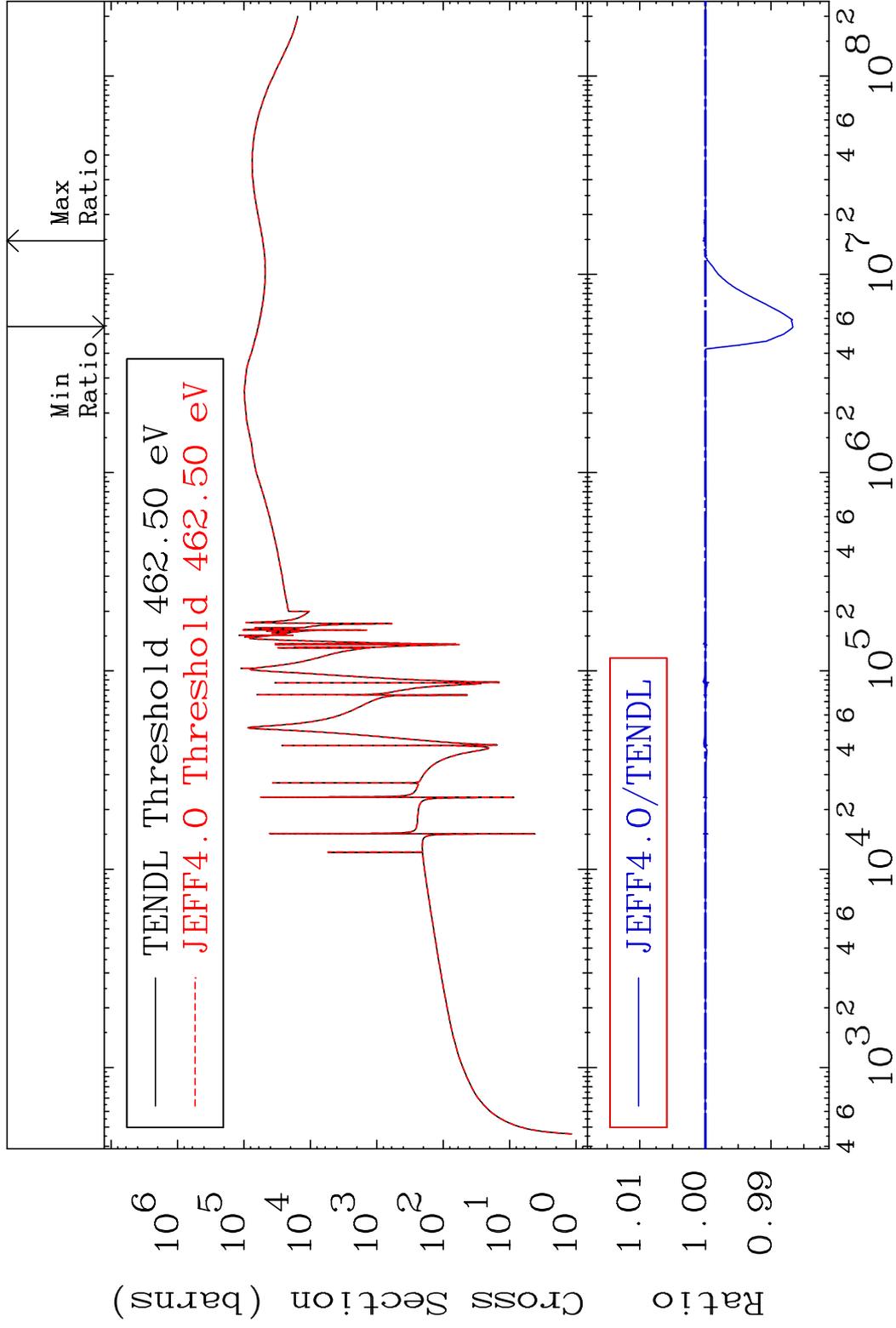
74 Incident Energy (eV) 20-Ca-44

MAT 2037

Dpa elastic (mt2)

20-Ca-44

Cross Section -1.334 To 0.034 %

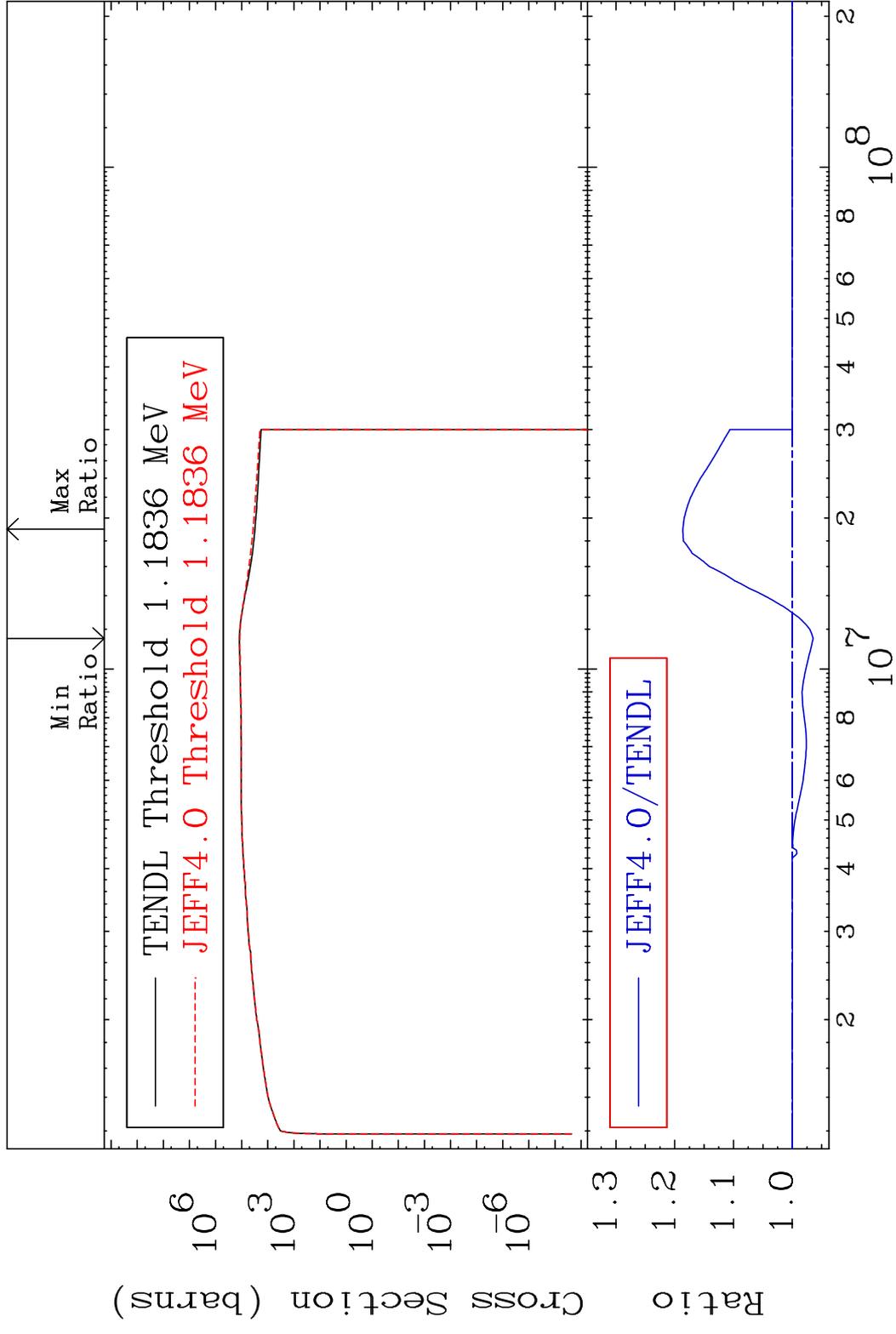


75

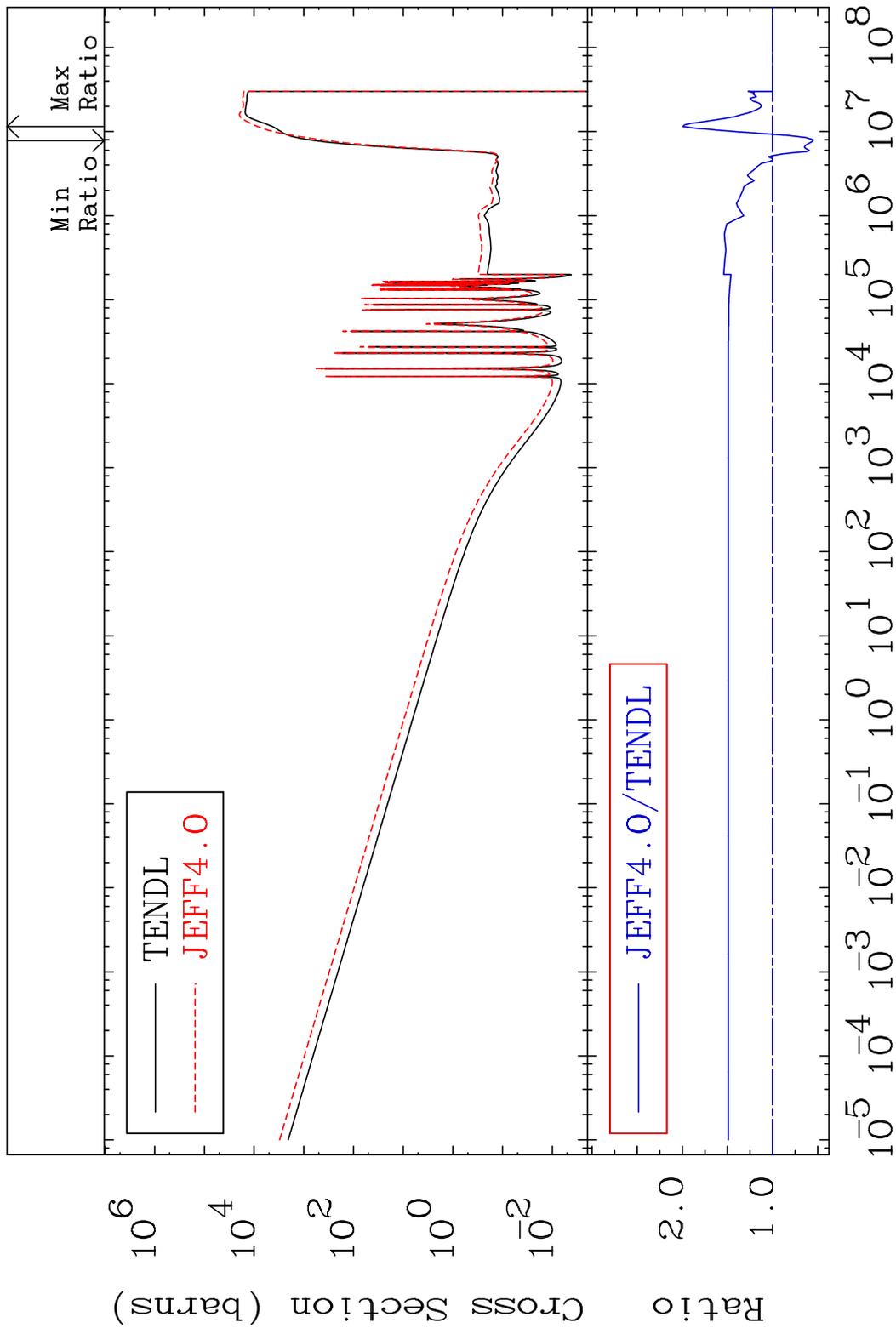
Incident Energy (eV)

20-Ca-44

MAT 2037 Dpa inelastic (mt51-91) 20-Ca-44
 Cross Section -3.543 To 18.62 %



MAT 2037 Dpa disappearance (mt102 -120) 20-Ca-44
 Cross Section -44.86 To 99.44 %



77 Incident Energy (eV) 20-Ca-44